



BPC CENTRAL LARGE DIAMETER PACKAGE 1
Solicitation Number: CO-00299
SAWS Sewer Job No.: 18-4535

ADDENDUM 1
May 1, 2020

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bidding documents 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 proposal.

MODIFICATIONS TO SPECIFICATIONS

1. **INVITATION TO BIDDERS.** The last paragraph of the Invitation to Bidders is deleted in its entirety and replaced with the following:

Due to the COVID-19 emergency and to protect the health of the public, SAWS is implementing new procedures for the submission of bids. Bids will be received either Electronically or through Sealed bids, until 10:00 AM (CDT), May 14, 2020. Electronic bids will be received via the secure SAWS FTP site. Sealed bids will be received by Contract Administration, 2800 U.S. Hwy 281 North, Tower II, Customer Center Building, via a drop box located on the left wall when walking through the first set of double glass doors of the main Tower II entry on the north side of the building, San Antonio, Texas 78212. See the Electronic Bid Opening Instructions attachment for additional information regarding an electronic bid submittal. Electronic bids shall be accompanied by a bid bond in an amount not less than five percent of the total bid price. (Or, if providing SAWS with a cashier's check or certified check in an amount not less than five percent of the total bid price, SAWS will request this within 24 hours from the apparent low bidder). Sealed bids must be accompanied by a cashier's check, certified check, or bid bond in an amount not less than five percent of the total bid price. Bids will then be publicly opened and read aloud by Contract Administration via WebEx.

If Bidders intend to submit bids electronically, Bidders will need to submit a request by **May 13, 2020 at 10:00 AM (CDT)** to receive access to the File Transfer Protocol (FTP) site via email to **Janie.Powell@saws.org**. Bidder's email requesting access to the FTP site shall provide the legal name of Bidder's company and the intended recipient's email address and phone number. No requests for FTP site access will be accepted after **May 13, 2020 at 10:00 AM (CDT)**.

2. **BID PACKET CHECKLIST.** The Bid Packet Checklist is hereby deleted in its entirety and replaced with the revised Bid Packet Checklist attached to this Addendum.
3. Remove the Bid Proposal in its entirety and replace with the attached Bid Proposal. This revised version should be used by bidders when submitting a bid for this project. The following items were updated:
 - a. Item No. 51 (Spec 855) – Updated quantity and revised specification to Item SP855
 - b. Item No. 52 (Spec SP855) – Updated quantity
4. **SUPPLEMENTAL CONDITIONS.** Sections 1, 2, 4 and 24 of the Instructions to Bidders are hereby deleted in their entirety and replaced with the following:

“1. Bids will be submitted in accordance with the following:

- a. **Electronic bids will be received by Contract Administration in the SAWS secured File Transfer Protocol (FTP) site. Personal/hand delivered** sealed bids will be received by Contract Administration **via a drop box located on the left wall when walking through the first set of double glass doors of the main Tower II entry on the north side of the building** at San Antonio Water System, 2800 U.S. Hwy 281 North, Customer Center Building, Suite 141, San Antonio, Texas 78212. **All** bids will be received until the time specified in the Invitation to Bidders.
- b. If the submittal of a **hardcopy** sealed bid is by any means other than personal/hand delivery, then it is the bidder’s sole responsibility to ensure the bid is delivered to San Antonio Water System, 2800 U.S. Hwy 281 North, San Antonio, Texas 78212, no later than the exact time specified in the Invitation to Bidders.
- c. All bids errantly submitted or delivered to a location other than the exact locations stated above will be returned/ deleted and unopened.
- d. All bids received after the exact time set for the bid opening in the Invitation to Bidders will be returned/ deleted and unopened.
- e. The San Antonio Water System Contracting Office may, at its sole discretion, without waiver of rights or authority, in equity or at law, return or delete any unopened bids not meeting the exact requirements as stated above.

2. Bids will be opened in accordance with the following:

- a. Bids will be opened **in a public WebEx meeting** and read aloud by a Contract Administration representative. Instruction on how to participate in this public WebEx meeting can be found in the Electronic Bid Opening Instructions.
- b. The lowest bid received at the time of the bid opening shall be designated as the “apparent low bid,” whether announced in that manner or not, and shall not represent an acceptance of an offer.
- c. All bid results are unofficial, tentative and subject to verification on the day of the bid opening.
- d. No bid may be withdrawn after the scheduled bid opening time without the written consent of a Contract Administration representative.
- e. The “official” bid results will be tallied on a “bid tabulation sheet” and posted within 10 business days of the bid opening on the San Antonio Water System’s website.

4. **Electronic** bids submitted on the original bid form attached herein must be titled with the solicitation number, date and time of the bid opening, and the project name. **Hardcopy** bids submitted on the original bid form attached herein must be sealed in an envelope plainly marked on the outside with solicitation number, the date and time of the bid opening, and project name.

24. To assist the San Antonio Water System Contracting Office in performing the bidder evaluation and subsequent recommendation of award, the apparent low bidder must submit upon request the following items within one (1) day of the bid opening. Failure to provide the required information within the specific time, may result in determining a non-responsive bidder:

- (a) An information packet on company showing experience, organization and equipment
- (b) A statement regarding ability to complete the project within the schedule taking into account existing commitments.
- (c) Statement of Bidder’s Experience
- (d) A completed and signed W-9 Request for Taxpayer Identification Number and Certification form.
- (e) Baseline Schedule in Microsoft Project Format – refer to Supplemental Conditions

- (f) A complete Financial Statement for your organization that was prepared within the past 12 months, by an independent Certified Public Accountant, and a point of contact for your financial institution.
- (g) Statement on President’s Executive Orders – Page IB – 7
- (h) Project Manager resume – refer to Special Provisions to Technical Specifications
- (i) Superintendent resume – refer to Special Provisions to Technical Specifications
- (j) Conflict of Interest Questionnaire - Form CIQ**
- (k) Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)**
- (l) *If bid was submitted electronically without a Bid Bond – Cashier’s Check or Certified Check**

All other sections of the Instructions to Bidders shall remain the same.”

- 5. Remove the Special Conditions in its entirety and replace with the attached Special Conditions. This revised version should be used by bidders when submitting a bid for this project. The following items were updated:
 - a. Section SC-2.1.V – corrected Location Number for Benita Street and Kinney Street locations
- 6. Insert the attached City of San Antonio tree permit in Appendix A.

MODIFICATIONS TO PLANS

- 1. Plan sheet 2 – Replace sheet dated 04/13/2020 with attached sheet dated 04/23/2020.
- 2. Plan sheet 3 – Replace sheet dated 04/13/2020 with attached sheet dated 04/23/2020.
- 3. Plan sheet 4 – Replace sheet dated 04/13/2020 with attached sheet dated 04/23/2020.

RESPONSES TO QUESTIONS

- 1. Please provide videos for sewer segments.

Answer: Please see Clarification #1 included with this Addendum.

- 2. Will you accept UV-CIPP? It is 4-5 times stronger and the styrene is contained between the outer and inner layers.

Answer: Curing by UV will not be accepted on this project.

- 3. My question is if there is any shotcrete required on this job. My company specializes in repairs and all other sorts of shotcrete applications. Sheet 5 of the drawings makes reference to shotcrete needed for repairs.

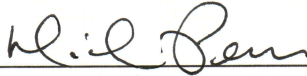
Answer: Shotcrete is indicated for repair of structures 24428 and 29692 as shown on sheet 5.

CLARIFICATIONS

- 1. *Videos are available for download. To access the videos the bidder must complete and submit the attached release form; the password required to view the videos will be provided on receipt of this form. Please submit the form to Janie Powell, Contract Administrator, via email to Janie.Powell@saws.org or by fax to (210) 233-4293. NOTE: These videos are provided for information purposes only, and are not included in the bid documents. The deterioration is an ongoing process, so the condition at the time of construction may be substantially different from that shown in the videos.*
- 2. *All reconstructed manholes shall be reconstructed and coated in accordance with the Special Provisions to Item 855 Reconstruction of Existing Manholes in the bid documents. Structure 24428 at Location 5 and Structure 29692 at Location 8 shall receive additional improvements per the structural details in the plans. These two structures shall be paid in accordance with pay item SP855.1 Reconstruction of Existing Sewer Structure.*
- 3. *To minimize travel and the need for Bidders to hand deliver bids during the COVID19 Emergency, SAWS has provided the option to Bidders to submit bids electronically. See the Electronic Bid Opening Instructions attached to this Addendum. Bidders may still hand deliver bids if they wish and as provided for in this Addendum, but shall only submit the items as*

indicated on the revised Bid Proposal Checklist in revised Bid Proposal Checklist. Reference the revised Bid Proposal Checklist attached to this Addendum.

4. The List of Bid Items shall be accompanied by the Bid Proposal Signature Page, Good Faith Effort Plan and Proposal Certification page. Reference the revised Bid Proposal Checklist attached to this Addendum.
5. The public Bid Opening will be conducted on video via a WebEx meeting. See the Electronic Bid Opening Instructions attached to this Addendum.



Michael Persyn, P.E.
K Friese & Associates, Inc. (TBPE F-6535)



END OF ADDENDUM 1

This Addendum, including these four (4) pages, is twenty-two (26) pages with attachments in its entirety.

- Attachments:
- Bid Opening Instructions
 - Bid Packet Checklist
 - Bid Proposal (BP-1 through BP-4)
 - Special Conditions (SC-1 through SC-9)
 - Plan sheet 2, 3, 4
 - CCTV Video Release Form
 - Tree Permit (Page 1 through Page 3)



BPC CENTRAL LARGE DIAMETER PACKAGE 1 PROJECT
Solicitation Number: CO-00299

ELECTRONIC BID OPENING INSTRUCTIONS

May 14, 2020 at 10:00 AM (CDT)

FTP BID PROPOSAL UPLOAD

In order to receive electronic bids for this project, SAWS will utilize a SAWS secured File Transfer Protocol (FTP) site. Only Bidders bidding as Prime Contractors will need to submit their request prior to **May 13, 2020 at 10:00 AM (CDT)** to receive access to the FTP site via email to **Janie.Powell@saws.org**. Bidder's email shall provide the legal name of the Bidder's company and the intended recipient's email address and phone number. No requests for FTP site access will be accepted after **May 13, 2020 at 10:00 AM (CDT)**. Once a Bidder is approved for access, an email with a hyperlink to the FTP site and a unique password for the Bidder will be provided to the Bidder's email recipient.

Once access is received, Bidders may upload the required documents per the Bid Proposal checklist any time before **May 14, 2020 at 10:00 AM (CDT)**. Please ensure to allow sufficient time should Bidder's experience technical difficulties in uploading the required documents. No changes to the Bid can be made once the Bid has been submitted.

Bidders shall comply with the following when uploading a Bid Packet:

- 1) Limit files to one (1) pdf file that includes all requested documents, per the Bid Packet Checklist. **ONLY ONE SUBMITTAL WILL BE ACCEPTED PER REQUEST.** Do not upload any zip files.
- 2) Ensure that the itemized List of Bid Items is (are) the first page(s) of your file.
- 3) Bidders may protect the document from editing by adding a password. However, the document must be accessible for viewing by SAWS without requiring a password.
- 4) File shall be named: CO-00299 – BPC Central Large Diameter Package 1 Project
- 5) **DO NOT SHARE ACCESS AND/OR PASSWORD WITH OTHER PARTIES OUTSIDE YOUR COMPANY.**
- 6) **ENSURE THE BID IS SENT NO LATER THAN THE DUE DATE AND TIME. BIDS SUBMITTED AFTER THE BID OPENING DEADLINE WILL NOT BE ACCEPTED.**

If the Bidder is in need of help, they may contact the SAWS Contract Administrator, **Janie M. Powell**, at **(210) 233-2443** or view troubleshooting tips at <http://www.Serv-U.com/sharefiles>

WEBEX BID OPENING MEETING

The WebEx meeting details are below if you would like to view the public opening of the bids.

When it's time, start or join the WebEx meeting from [here](#).

Access Information

Meeting Number: 990 782 035

Meeting Password: Co-00299

Audio Connection: 210-233-2550 (SAWS WebEx)

If you have any questions or concerns, please feel free to contact me.

Thank you,

Janie M. Powell

Contract Administrator

2800 U.S. Highway 281 North, Ste. 171 | San Antonio, TX 78212

Office | 210-233-2443

Email | Janie.Powell@saws.org

BID PACKET CHECKLIST
BPC CENTRAL LARGE DIAMETER PACKAGE 1 PROJECT
SAWS Job No. 18-4535
SAWS Solicitation No. CO-00299

This checklist is a required document that must be utilized and submitted with the Bid Packet. The Bid Packet should include the following items in this order:

- List of Bid Items
- Signed Bid Proposal Signature Page, Acknowledgement of All Addendums
- Bid Packet Checklist
- Signed Proposal Certification
- Bid Bond
- Completed Good Faith Effort Plan

Items to be submitted by Apparent Low Bidder within one (1) day of the bid opening:

- Conflict of Interest Questionnaire - Form CIQ (*Rev. 11/30/2015*)
- Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)
- Company Information Packet
- Statement regarding ability to complete the project
- W-9
- Statement of Bidder's Experience
- Baseline Schedule in Microsoft Project Format – refer to Supplemental Conditions
- Financial Statement
- Statement of President's Executive Order – Page IB-7
- Project Manager resume – refer to Special Provisions to Technical Specifications
- Superintendent resume – refer to Special Provisions to Technical Specifications

***And, if bid was submitted electronically without a Bid Bond:**

- Cashier's Check or Certified Check

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 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 **450** 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.

Item No.	Spec No.	Bid Items Specification No. & Description	Unit	Qty.	Unit Price	Total Price
1	103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	320	\$	\$
2	103.3	REMOVE SIDEWALKS AND DRIVEWAYS (COSA SPEC)	SF	1346	\$	\$
3	103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	2668	\$	\$
4	SP164	SEEDING FOR EROSION CONTROL (TxDOT SPEC)	SY	24	\$	\$
5	203	TACK COAT (COSA SPEC)	GAL	1208	\$	\$
6	205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMPACTED DEPTH) (COSA SPEC)	SY	376	\$	\$
7	205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (12" COMPACTED DEPTH) (COSA SPEC)	SY	1169	\$	\$
8	205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	SY	1374	\$	\$
9	205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE C (3" COMPACTED DEPTH) (COSA SPEC)	SY	10696	\$	\$
10	208	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	1374	\$	\$
11	208	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH) (COSA SPEC)	SY	10696	\$	\$
12	300	ONE COURSE SURFACE TREATMENT (TxDOT SPEC)	SY	1245	\$	\$
13	305	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (4" DEPTH) (TxDOT SPEC)	SY	1245	\$	\$
14	340	HOT MIX ASPHALTIC PAVEMENT - TYPE C (4" COMPACTED DEPTH) (TxDOT SPEC)	SY	1245	\$	\$
15	340	HOT MIX ASPHALTIC PAVEMENT - TYPE B (12" COMPACTED DEPTH) (TxDOT SPEC)	SY	261	\$	\$
16	401	FLOWABLE FILL (TXDOT SPEC)	CY	122	\$	\$
17	500.1	CONCRETE CURB (COSA SPEC)	LF	320	\$	\$
18	502	CONCRETE SIDEWALK (COSA SPEC)	SY	143	\$	\$
19	503.1	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	21	\$	\$
20	505	CONCRETE RIP RAP (5" THICK)	SY	282	\$	\$
21	SP509.1	METAL BEAM GUARD RAIL	LF	57	\$	\$
22	SP515	TOPSOIL (4" THICK)	SY	152	\$	\$
23	516.1	BERMUDA SODDING (COSA SPEC)	SY	34	\$	\$
24	520	HYDROMULCHING	SY	528	\$	\$
25	SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 1)	EA	1	\$	\$
26	SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 2)	EA	1	\$	\$
27	SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 3)	EA	1	\$	\$
28	SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 4)	EA	1	\$	\$
29	SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 5)	EA	1	\$	\$
30	SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 6)	EA	1	\$	\$
31	SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 7)	EA	1	\$	\$
32	SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 8)	EA	1	\$	\$
33	535.1	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE YELLOW LINE) (COSA SPEC)	LF	3170	\$	\$
34	535.2	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE WHITE LINE) (COSA SPEC)	LF	1520	\$	\$
35	535.7	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE WHITE LINE) (COSA SPEC)	LF	1110	\$	\$
36	535.9	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (LEFT WHITE ARROW) (COSA SPEC)	EA	2	\$	\$

Item No.	Spec No.	Bid Items Specification No. & Description	Unit	Qty.	Unit Price	Total Price
37	535.10	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (12" YELLOW LINE) (COSA SPEC)	LF	700	\$	\$
38	SP540	TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION PREVENTION AND CONTROL (COSA SPEC)	EA	8	\$	\$
39	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	197	\$	\$
40	662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE WHITE LINE) (TxDOT SPEC)	LF	390	\$	\$
41	662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE YELLOW LINE) (TxDOT SPEC)	LF	780	\$	\$
42	850	4' DIA. SANITARY SEWER STRUCTURE (DOGHOUSE)	EA	5	\$	\$
43	850	6' DIA. SANITARY SEWER STRUCTURE	EA	1	\$	\$
44	850	6' DIA. SANITARY SEWER DROP STRUCTURE	EA	4	\$	\$
45	850	6' DIA. SANITARY SEWER STRUCTURE (DOGHOUSE)	EA	2	\$	\$
46	850	8' DIA. SANITARY SEWER STRUCTURE	EA	1	\$	\$
47	850	PROJECT LOCATION 3 BYPASS SUCTION STRUCTURE	EA	1	\$	\$
48	850	PROJECT LOCATION 5 BYPASS SUCTION STRUCTURE	EA	1	\$	\$
49	851	ADJUST EXISTING MANHOLES (NEW WATERTIGHT RING AND COVER)	EA	26	\$	\$
50	SP854	TWO-WAY SANITARY SEWER CLEANOUT	EA	48	\$	\$
51	SP855	RECONSTRUCTION OF EXISTING MANHOLES	EA	17	\$	\$
52	SP855.1	RECONSTRUCTION OF EXISTING SEWER STRUCTURE	EA	2	\$	\$
53	858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	9	\$	\$
54	SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 1)	EA	1	\$	\$
55	SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 2)	EA	1	\$	\$
56	SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 3)	EA	1	\$	\$
57	SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 4)	EA	1	\$	\$
58	SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 5)	EA	1	\$	\$
59	SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 6)	EA	1	\$	\$
60	SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 7)	EA	1	\$	\$
61	SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 8)	EA	1	\$	\$
62	866	SEWER MAIN TELEVISION INSPECTION (8" TO 24")	LF	547	\$	\$
63	866	SEWER MAIN TELEVISION INSPECTION (27" AND LARGER)	LF	11809	\$	\$
64	866	SEWER MAIN TELEVISION INSPECTION (27" AND LARGER) - SIPHON	LF	94	\$	\$
65	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (24")	LF	547	\$	\$
66	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (27")	LF	289	\$	\$
67	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (33")	LF	267	\$	\$
68	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (36")	LF	4203	\$	\$
69	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (42")	LF	1423	\$	\$
70	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (48")	LF	5152	\$	\$
71	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (60")	LF	475	\$	\$
72	SS910.2	SEWER STRUCTURE REHABILITATION	SF	6786	\$	\$

Item No.	Spec No.	Bid Items Specification No. & Description	Unit	Qty.	Unit Price	Total Price
73	SS910.3	SEWER STRUCTURE REHABILITATION -SIPHON BOX	SF	2060	\$	\$
74	SS1020	CPS ENERGY GAS SERVICE RELOCATION ALLOWANCE	ALW	1	\$ 20,000.00	\$ 20,000.00
75	SP1103.1	POINT REPAIR (24") (6'-10' DEPTH)	EA	1	\$	\$
76	SP1103.1	POINT REPAIR (27") (10'-14' DEPTH)	EA	1	\$	\$
77	SP1103.1	POINT REPAIR (33") (10'-14' DEPTH)	EA	1	\$	\$
78	SP1103.1	POINT REPAIR (36") (6'-10' DEPTH)	EA	1	\$	\$
79	SP1103.1	POINT REPAIR (36") (10'-14' DEPTH)	EA	4	\$	\$
80	SP1103.1	POINT REPAIR (42") (10'-14' DEPTH)	EA	1	\$	\$
81	SP1103.1	POINT REPAIR (48") (0'-6' DEPTH)	EA	1	\$	\$
82	SP1103.1	POINT REPAIR (48") (6'-10' DEPTH)	EA	4	\$	\$
83	SP1103.1	POINT REPAIR (48") (10'-14' DEPTH)	EA	6	\$	\$
84	SP1103.1	POINT REPAIR (60") (6'-10' DEPTH)	EA	1	\$	\$
85	SP1103.2	EXTRA LENGTH POINT REPAIRS (48") (ALL DEPTHS)	LF	8	\$	\$
86	SP1103.3	OBSTRUCTION REMOVAL BY REMOTE DEVICE (24" DIAMETER) (ALL DEPTHS)	EA	2	\$	\$
87	SP1103.3	OBSTRUCTION REMOVAL BY REMOTE DEVICE (27"-60" DIAMETER) (ALL DEPTHS)	EA	41	\$	\$
88	SP1109.1	SERVICE RECONNECTION (INTERNAL) (ALL DEPTHS & SIZES)	EA	44	\$	\$
89	SP1109.2	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION) (ALL DEPTHS & SIZES)	EA	9	\$	\$
SUBTOTAL (ITEMS 1 - 89)					\$	

90	100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEMS 1-89	LS	1	\$	\$
91	101	PREPARING ROW, MAX 5% OF LINE ITEMS 1-89	LS	1	\$	\$

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 PRICE (TO INCLUDE LINE ITEMS 1-89 AND 90-91)	\$
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Special Conditions

SC-1.0 SCOPE OF WORK

The San Antonio Water System is soliciting Bids for the purpose of retaining a Contractor to perform the rehabilitation and replacement of approximately 12,356 LF of existing SAWS sanitary sewer pipeline facilities using Cured-In-Place Pipe (CIPP) and point repairs. The work will also involve rehabilitation, repair, and/or upgrade of associated manhole structures, and reconnection of all lateral services. This project includes work on 43 pipe segments at 8 different project locations. A segment is defined as the sewer main between two adjacent manholes or between a manhole and the end of the line where there is not an existing manhole. All quantities are estimated in the proposal, and it is the intent of the proposal and quantities to establish a fixed unit price for various line items to be paid to the Contractor by SAWS during the term of this contract. No change in the unit price will be made, regardless of the actual quantity of the item of work performed during the term of the contract. Some of the work involved in the project may require, but is not limited to: traffic control, bypass pumping, sewer point repairs and CIPP lining, manhole replacement and rehabilitation, removal and replacement of asphalt, sidewalks, and driveways, and topsoil and sodding.

SC 2.0 - PROJECT REQUIREMENTS

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

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

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

SC 2.1 - PERFORMANCE TIME

PROJECT MILESTONES:

- I. Multiple pipeline segments shall be under construction concurrently. Segments which are connected are defined as a "Project Location" unless noted otherwise in the Plans. Order of construction may be completed in any order at the Contractor's discretion, subject to limitations identified in sections SC 2.1.II through 2.1.V and SC 2.5 that follow. Note that Project Location 8 shall be started first, prior to any other project locations. Order of construction shall be reflected in project baseline schedule and include Project Location No. outlined in table below.

Project Location and Description

Project Location No.	Area Description
1	Leal St

2	Tafolla Middle School to Guadalupe Street along Alazan Creek
3	Indianola Dr *
4	Kinney St
5	Benita St
6	Cupples Rd
7	San Antonio River near Riverside Drive
8	Pecan Valley Dr **

* Contractor shall schedule this Location last (see SC 2.1.V.c)

** Contractor shall start at this Location first.

- II. SAWS has obtained the TxDOT permit for this project. Note that permits expire on the 90th calendar day from issuance and may be amended by SAWS for one additional 90-day period (180 calendar days total). If a permit extends beyond 180 calendar days or expires prior to renewal, the permit must be resubmitted to TxDOT by SAWS. TxDOT has up to 30 calendar days for review. Contractor shall provide notification to SAWS 45 calendar days prior to desired start date for new permits or expiration of permit that has already been amended so that SAWS may resubmit the permit request to TxDOT.

Note that TxDOT permits are organized by roadway. For the purposes of tracking and communication between the Contractor and SAWS, permit numbers and Project Locations for this project are outlined below.

TxDOT Permit Number	Highway	Project Location
1	Spur 536 (Roosevelt Ave)	5

- III. After substantial completion has been achieved for a “Project Location”, final completion must be completed within 30 calendar days. The Contractor is required to provide the SAWS Inspector and the Engineer final redlines before the segment can qualify for final completion.

Substantial completion is when all rehabilitation work has been completed, tested, and the sewer system has been accepted for service. Substantial completion includes manhole rehabilitation and installation of new ring, cover, and concrete encasement. Final completion is declared when the final punch list is approved by SAWS, all infrastructure is in the ground, and final pavement and surface restoration is completed. Final completion includes the removal of all bypass pumping equipment.

- IV. Contractor shall not work on more than four (4) project locations concurrently without prior written approval from SAWS Inspections. SAWS reserves the right to limit the number of active project locations if Contractor fails to restore sites to final completion within the time indicated in part III of SC 2.1.

- V. Contractor's baseline schedule shall incorporate the following limitations on scheduling:
- a. Location 1 – Leal Street
 - i. The San Antonio River Authority (SARA) has an ongoing project to construct trails along Alazan Creek. Contractor shall coordinate bypass sequencing and location with SARA's contractor on the Westside Creeks Alazan Creek Trail (Lombrano Street to Apache Creek Trail) project. Contact Richard De La Cruz, PE at (210) 302-3618 or rdelacruz@sara-tx.org at least two weeks prior to submitting the bypass pumping plan to initiate coordination with SARA's contractor (Spawglass Construction).
 - b. Location 2 – Tafolla Middle School to Guadalupe Street along Alazan Creek
 - i. Work shall be performed during summer break to avoid construction during periods of school. In accordance with the Right of Entry document in Appendix B, construction impacting school property (including the bypass setup and final restoration) shall be limited to approximately 90 calendar days and shall not start until May 16th of the calendar year.
 - ii. Contact Tafolla Middle School (210) 978-7930 – San Antonio Independent School District (SAISD) at least two weeks prior to mobilizing to the project site to coordinate access.
 - iii. The San Antonio River Authority (SARA) has an ongoing project to construct trails along Alazan Creek. Contractor shall coordinate bypass sequencing and location with SARA's contractor on the Westside Creeks Alazan Creek Trail (Lombrano Street to Apache Creek Trail) project. Contact Richard De La Cruz, PE at (210) 302-3618 or rdelacruz@sara-tx.org at least two weeks prior to submitting the bypass pumping plan to initiate coordination with SARA's contractor (Spawglass Construction).
 - iv. No work shall take place during the Tejano Conjunto Festival. The schedule for 2021 is not yet established, but Contractor shall anticipate up to 3 weekdays in the month of May. Festival occurs at Guadalupe Theater at 1301 Guadalupe Street, San Antonio, TX 78207.
 - v. Tafolla Middle School has an ongoing project to update and expand the school. Contractor shall coordinate bypass setup in the Tafolla Middle School parking lot with the SAISD contractor and in accordance with the Right of Entry document in Appendix B.
 - c. Location 3 – Indianola Dr
 - i. SAWS is obtaining a Right of Entry (ROE) for the proposed bypass suction point for this location. This ROE agreement may not be available for the Contractor until after construction Notice to Proceed (NTP). Contractor shall plan accordingly and include this project location last in the Contractor's baseline schedule. Contractor shall not start work on this project location until Contractor is provided the ROE by SAWS.
 - ii. Work at this location shall be completed in one of the following time periods:

1. January 11, 2021 to April 2, 2021.
 2. May 3, 2021 to August 31, 2021.
 - a. Bypass pumps and piping shall be screened from view per the callouts in the plans prior to June 7, 2021.
 - b. No work shall occur the week of the 4th of July and all lanes must be reopened to traffic. Bypass pumps, fueling appurtenances, and other flammable materials shall be removed from the site for a period beginning 3 days prior to 3 days after the 4th of July celebrations by the City of San Antonio (5 calendar days total).
- iii. Contractor shall coordinate with the following entities:
1. City of San Antonio Center City Development and Operations Department
 - a. (210) 207-3677, downtown@sanantonio.gov
 2. Hemisfair
 - a. Roger Tavares, (210) 200-9881, roger.tavares@hemisfair.org
 3. Landry's Restaurant (operate Tower of the Americas)
 - a. Amber Nemer-Garcia (Park Operations Manager), (210) 223-3101, ext 223, anemer@ldry.com
- iv. CPS Energy Gas Line Relocation
1. CPS Energy will relocate a gas service for installation of the proposed bypass suction point. CPS Energy relocation to be paid by the contractor from bid item CPS Energy Gas Relocation Allowance.
 2. Dollar amount to be paid to CPS Energy to be provided by SAWS to the selected Contractor.
 3. The Contractor shall make payment to CPS Energy within 15 days of NTP in order to start the process for CPS Energy. Refer to Special Specification Item 1020 Allowances for CPS Energy point of contact.
 4. Once Contractor makes payment to CPS, the Contractor shall provide the payment receipt to the CPS Energy contact in the plans in order to start the construction scheduling process.
 5. CPS Energy requires approximately 8-12 weeks from the date of payment in order to complete the design and schedule the construction work for the gas line relocation.
- d. Location 4 – Kinney St
- i. No schedule limitations
- e. Location 5 – Benita St
- i. This segment is located near the Riverside Park Academy school. Work shall be performed during summer break to avoid construction during periods of school.

- ii. Refer to the Right of Entry document in Appendix B – owner of restaurant at corner of Benita and Roosevelt requests that work occur during the summer months.
- f. Location 6 – Cupples Road
- i. Closure of the intersection of Thompson Place and Cupples Road shall be performed during spring break, Christmas break, or summer break to avoid construction in the intersection during periods of school. Thompson Place shall not be closed while school is in session. Contact the school for specific dates.
 - ii. St. John Berchmans Catholic School (210) 433-0411
 - iii. John F. Kennedy High School (210) 444-8040 – Edgewood Independent School District
 - iv. Brentwood Middle School (210) 444-7675 – Edgewood Independent School District
 - v. Contractor shall notify San Fernando Cemetery III two weeks prior to starting Phase 2 and two weeks prior to the traffic switch at Roselawn Road.
 - 1. Ismael Galvan, Executive Director, (210) 438-8134, Ismael.galvan@archsa.org
- g. Location 7 – San Antonio River near Riverside Drive
- i. Work shall be scheduled so that seeding is completed between March and June to improve chances of successful vegetation restoration.
 - ii. Work shall be performed in dry weather to minimize impacts to vegetation.
- h. Location 8 – Pecan Valley Drive
- i. This location shall be constructed first, prior to starting any of the other project locations.
 - ii. No road closures or active work may take place during the Rock ‘N’ Roll Marathon scheduled for December 5-6, 2020.

SC 2.2 - PAYMENT

- I. As specified in the Contract Documents unit price cost for the items bid shall include all the necessary and incidental work as subsidiary to the bid item, unless specifically called out in the plans or approved by SAWS. Pay items indicating no separate or additional pay for incidental, related, associated or other work will take precedence if in conflict with other pay provisions. If no pay item is included for any stipulated item, it will be considered as subsidiary to other pay items.
- II. It is the Contractor’s responsibility for the preparation, research, submittal and layout of the location specific submittals, including the Storm Water Pollution Prevention Plan, Traffic Control Plan, the Bypass Pumping Plan, and its approvals at no cost to SAWS. Tree Preservation Protection work shall be subsidiary to Item 101 Preparing Right-of-Way. Tree Protection Permit has been obtained by SAWS for this project and is attached to Appendix A.

- III. There will be no measurement or payment for insurance; bonding; and permitting costs on this contract. Clearing, grubbing, and tree pruning shall be subsidiary to Item 101 Preparing Right-of-Way.

SC 2.3 – TxDOT AND CoSA REQUIREMENT

- a. Contractor is to follow all TxDOT and CoSA requirements for project signage and visible identification when working within TxDOT and CoSA ROW.
- b. Contractor is to follow the CoSA requirements for impacted collector or arterial streets, which requires the Contractor to provide notification by electronic message boards seven (7) days prior to beginning construction. Message board is to remain in place until three (3) days after construction begins. Contractor is also to provide a three (3) day notification to be made by door hanger to impacted residents or businesses.
- c. Traffic Control Plans (TCP) and Bypass Layout Sheets are suggested routes only. The Contractor may provide an alternative Traffic Control Plan and Bypass Layout for approval by SAWS, TxDOT, and CoSA. The TCP must be signed, sealed, and dated by a Professional Engineer licensed in the state of Texas and submitted for approval at least two weeks prior to installation. The Bypass Pumping Plan shall meet the requirements of SAWS Specifications 864-S1 and 864-S2 as appropriate.
- d. The Contractor shall be aware that water ballasted systems (barriers) shall be provided at each location with open cut excavation within TxDOT ROW (NSPI), as per TXDOT requirements.

SC-2.4 ACCESS

- a. **ACCESS TO EASEMENT AREAS:** Access to some easements will require close coordination with landowners and their tenants, if any. The Contractor shall coordinate with the 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 and 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 where his work is taking place.
- b. **ACCESS TO ALAZAN CREEK AND TAFOLLA MIDDLE SCHOOL:** Contractor shall coordinate with ongoing construction activities by the San Antonio Independent School District and the San Antonio River Authority at Location 2 per part SC 2.1.
- c. **GOLF COURSE COORDINATION**
 1. Installation and removal of the bypass pumping system shall be completed during the weekday. The Contractor shall repair or replace any material damage incurred to the

golf course by his or her work to a condition that is acceptable to the Golf Course Superintendent, and resod (by approved methods) all grass areas within the golf course property which have been damaged by the Contractor's work at the Contractor's expense.

SC-2.5 PERMITS

- a. The Owner will obtain a Floodplain Development Permit and a Tree Permit from the City of San Antonio. The Owner has obtained a ROW Permit from TxDOT. Contractor shall notify the appropriate City or TxDOT department prior to construction per the notes in the plans and shall adhere to the terms of the permits included with the Contract Documents. Contractor is responsible for all other required permits per the General Conditions.
- b. The Owner has obtained an Antiquities Permit from the Texas Historical Commission. Any point repairs requiring open cut excavation at Project Location 1 (Leal Street), Project Location 2 (Tafolla Middle School to Guadalupe Street Along Alazan Creek), and Project Location 7 (San Antonio River near Riverside Drive) will require archaeological monitoring. A qualified archaeologist provided by SAWS will be present on-site during excavation. If archaeologically significant items (as determined by the qualified archaeologist) are encountered, Contractor shall cease excavation work in the project area and shall not resume excavation activities until directed in writing by SAWS. The Contractor shall move to a different location while the Archaeologist assesses the resource and determines the appropriate next steps in coordination with SAWS.

SC 3.0 – 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

<http://www.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.

TOTAL ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
100	MOBILIZATION (MAX 10% OF THE TOTAL OF BID ITEMS)	LS	1
101	PREPARING RIGHT-OF-WAY (MAX 5% OF THE TOTAL OF BID ITEMS)	LS	1
103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	320
103.3	REMOVE SIDEWALKS AND DRIVEWAYS (COSA SPEC)	SF	1346
103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	2668
SP164	SEEDING FOR EROSION CONTROL (TXDOT SPEC)	SY	24
203	TACK COAT (COSA SPEC)	GAL	1208
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMPACTED DEPTH) (COSA SPEC)	SY	376
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (12" COMPACTED DEPTH) (COSA SPEC)	SY	1169
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	SY	1374
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE C (3" COMPACTED DEPTH) (COSA SPEC)	SY	10696
208	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	1374
208	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH) (COSA SPEC)	SY	10696
300	ONE COURSE SURFACE TREATMENT (TXDOT SPEC)	SY	1245
305	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (4" DEPTH) (TXDOT SPEC)	SY	1245
340	HOT MIX ASPHALTIC PAVEMENT - TYPE C (4" COMPACTED DEPTH) (TXDOT SPEC)	SY	1245
340	HOT MIX ASPHALTIC PAVEMENT - TYPE B (12" COMPACTED DEPTH) (TXDOT SPEC)	SY	261
401	FLOWABLE FILL (TXDOT SPEC)	CY	122
500.1	CONCRETE CURB (COSA SPEC)	LF	320
502	CONCRETE SIDEWALK (COSA SPEC)	SY	143
503.1	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	21
505	CONCRETE RIP RAP (5" THICK)	SY	282
SP509.1	METAL BEAM GUARD RAIL	LF	57
SP515	TOPSOIL (4" THICK)	SY	152
516.1	BERMUDA SODDING (COSA SPEC)	SY	34
520	HYDROMULCHING	SY	528
SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 1)	EA	1
SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 2)	EA	1
SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 3)	EA	1
SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 4)	EA	1
SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 5)	EA	1
SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 6)	EA	1
SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 7)	EA	1
SP530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (PROJECT LOCATION 8)	EA	1
535.1	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE YELLOW LINE) (COSA SPEC)	LF	3170
535.2	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE WHITE LINE) (COSA SPEC)	LF	1520
535.7	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE WHITE LINE) (COSA SPEC)	LF	1110
535.9	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (LEFT WHITE ARROW) (COSA SPEC)	EA	2
535.1	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (12" WIDE YELLOW LINE) (COSA SPEC)	LF	700
SP540	TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION PREVENTION AND CONTROL (COSA SPEC)	EA	8
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	197
662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE WHITE LINE) (TXDOT SPEC)	LF	390
662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE YELLOW LINE) (TXDOT SPEC)	LF	780
850	4" DIA. SANITARY SEWER STRUCTURE (DOGHOUSE)	EA	5
850	6" DIA. SANITARY SEWER STRUCTURE	EA	1
850	6" DIA. SANITARY SEWER DROP STRUCTURE	EA	4
850	6" DIA. SANITARY SEWER STRUCTURE (DOGHOUSE)	EA	2
850	8" DIA. SANITARY SEWER STRUCTURE	EA	1
850	PROJECT LOCATION 3 BYPASS SUCTION STRUCTURE	EA	1
850	PROJECT LOCATION 5 BYPASS SUCTION STRUCTURE	EA	1
851	ADJUST EXISTING MANHOLES (NEW WATERTIGHT RING AND COVER)	EA	26
SP854	TWO-WAY SANITARY SEWER CLEANOUT	EA	48
SP855	RECONSTRUCTION OF EXISTING MANHOLES	EA	17
SP855.1	RECONSTRUCTION OF EXISTING SEWER STRUCTURE	EA	2
858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	9
SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 1)	EA	1
SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 2)	EA	1
SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 3)	EA	1
SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 4)	EA	1
SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 5)	EA	1
SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 6)	EA	1
SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 7)	EA	1
SP864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) (PROJECT LOCATION 8)	EA	1
866	SEWER MAIN TELEVISION INSPECTION (8" TO 24")	LF	547
866	SEWER MAIN TELEVISION INSPECTION (27" AND LARGER)	LF	11809
866	SEWER MAIN TELEVISION INSPECTION (27" AND LARGER) - SIPHON	LF	94
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (24")	LF	547
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (27")	LF	289
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (33")	LF	267
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (36")	LF	4203
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (42")	LF	1423

TOTAL ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (48")	LF	5152
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (60")	LF	475
SS910.2	SEWER STRUCTURE REHABILITATION	SF	6786
SS910.3	SEWER STRUCTURE REHABILITATION -SIPHON BOX	SF	2060
SS1020	CPS ENERGY GAS SERVICE RELOCATION ALLOWANCE	ALW	1
SP1103.1	POINT REPAIR (24") (6'-10" DEPTH)	EA	1
SP1103.1	POINT REPAIR (27") (10'-14" DEPTH)	EA	1
SP1103.1	POINT REPAIR (33") (10'-14" DEPTH)	EA	1
SP1103.1	POINT REPAIR (36") (6'-10" DEPTH)	EA	1
SP1103.1	POINT REPAIR (36") (10'-14" DEPTH)	EA	4
SP1103.1	POINT REPAIR (42") (10'-14" DEPTH)	EA	1
SP1103.1	POINT REPAIR (48") (0'-6" DEPTH)	EA	1
SP1103.1	POINT REPAIR (48") (6'-10" DEPTH)	EA	4
SP1103.1	POINT REPAIR (48") (10'-14" DEPTH)	EA	6
SP1103.1	POINT REPAIR (60") (6'-10" DEPTH)	EA	1
SP1103.2	EXTRA LENGTH POINT REPAIRS (48") (ALL DEPTHS)	LF	8
SP1103.3	OBSTRUCTION REMOVAL BY REMOTE DEVICE (24" DIAMETER) (ALL DEPTHS)	EA	2
SP1103.3	OBSTRUCTION REMOVAL BY REMOTE DEVICE (27"-60" DIAMETER) (ALL DEPTHS)	EA	41
SP1109.1	SERVICE RECONNECTION (INTERNAL) (ALL DEPTHS & SIZES)	EA	44
SP1109.2	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION) (ALL DEPTHS & SIZES)	EA	9

SHT NO.	DESCRIPTION
1	COVER SHEET
2	INDEX AND QUANTITIES
3	GENERAL NOTES
4	PROJECT SPECIFIC NOTES
5	REHABILITATION TABLES
6	DETAILS
7	PROJECT LAYOUT 1
8	PROJECT LAYOUT 2
9	CIPP - PROJECT LOCATION 1
10	OVERALL BYPASS LAYOUT - PROJECT LOCATION 1
11	BYPASS - PROJECT LOCATION 1
12	BYPASS - PROJECT LOCATION 1
13	TCP - PROJECT LOCATION 1
14	TCP - PROJECT LOCATION 1
15	CIPP - PROJECT LOCATION 2
16	CIPP - PROJECT LOCATION 2
17	CIPP - PROJECT LOCATION 2
18	CIPP - PROJECT LOCATION 2
19	CIPP - PROJECT LOCATION 2
20	CIPP - PROJECT LOCATION 2
21	OVERALL BYPASS LAYOUT - PROJECT LOCATION 2
22	BYPASS - PROJECT LOCATION 2
23	BYPASS - PROJECT LOCATION 2
24	TCP - PROJECT LOCATION 2
25	TCP - PROJECT LOCATION 2
26	TCP - PROJECT LOCATION 2
27	TCP - PROJECT LOCATION 2
28	CIPP - PROJECT LOCATION 3
29	BYPASS - PROJECT LOCATION 3
30	TCP - PROJECT LOCATION 3
31	TCP - PROJECT LOCATION 3
32	CIPP - PROJECT LOCATION 4
33	OVERALL BYPASS LAYOUT - PROJECT LOCATION 4
34	BYPASS - PROJECT LOCATION 4
35	BYPASS - PROJECT LOCATION 4
36	TCP - PROJECT LOCATION 4
37	TCP - PROJECT LOCATION 4
38	CIPP - PROJECT LOCATION 5
39	CIPP - PROJECT LOCATION 5
40	STRUCTURAL DETAILS - PROJECT LOCATION 5
41	STRUCTURAL NOTES - PROJECT LOCATION 5
42	OVERALL BYPASS LAYOUT - PROJECT LOCATION 5
43	BYPASS - PROJECT LOCATION 5
44	BYPASS - PROJECT LOCATION 5
45	TCP - PROJECT LOCATION 5
46	TCP - PROJECT LOCATION 5
47	TCP - PROJECT LOCATION 5
48	TCP - PROJECT LOCATION 5
49	CIPP - PROJECT LOCATION 6
50	CIPP - PROJECT LOCATION 6
51	CIPP - PROJECT LOCATION 6
52	CIPP - PROJECT LOCATION 6
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56	CIPP - PROJECT LOCATION 6
57	CIPP - PROJECT LOCATION 6
58	CIPP - PROJECT LOCATION 6
59	CIPP - PROJECT LOCATION 6
60	OVERALL BYPASS LAYOUT - PROJECT LOCATION 6
61	BYPASS - PROJECT LOCATION 6
62	BYPASS - PROJECT LOCATION 6
63	BYPASS - PROJECT LOCATION 6
64	BYPASS - PROJECT LOCATION 6
65	RESTORATION - PROJECT LOCATION 6
66	RESTORATION - PROJECT LOCATION 6
67	RESTORATION - PROJECT LOCATION 6
68	RESTORATION - PROJECT LOCATION 6
69	OVERALL TCP LAYOUT - PROJECT LOCATION 6
70	TCP - PHASE 1 LAYOUT - PROJECT LOCATION 6
71	TCP PHASE 1 - PROJECT LOCATION 6
72	TCP PHASE 1 - PROJECT LOCATION 6
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74	TCP PHASE 1 - PROJECT LOCATION 6
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LICENSED PROFESSIONAL ENGINEER
04/23/2020

No.	Revision	Drawn	Approved	Date
Δ	ADDENDUM NO.1	TK	MP	4/23/2020

REVISIONS

BPC CENTRAL LD PACKAGE 1

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SAWS GENERAL CONSTRUCTION NOTES

GENERAL SECTION:

- 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, [HTTP://WWW.SAWS.ORG/BUSINESS_CENTER/SPECS](http://www.saws.org/business_center/specs). UNLESS OTHERWISE NOTED WITHIN DESIGN PLANS.
 - THE CONTRACTOR IS TO NOTIFY AND MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500, AND PROVIDE NOTIFICATION PROCEDURES THE CONTRACTOR WILL USE TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 72 HOURS PRIOR TO EXCAVATION.
 - 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 AT LEAST 1 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.
 - THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1-2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS FACILITIES. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:
 SAN ANTONIO WATER SYSTEM:
 SAWS UTILITY LOCATES: [HTTP://WWW.SAWS.ORG/SERVICE/LOCATES](http://www.saws.org/service/locates)
 COSA DRAINAGE 210-206-8433
 COSA 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.
 - ALL WORK IN TEXAS HIGHWAY DEPARTMENT 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.
 - THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN 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. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.
- WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY THE SAWS INSPECTION CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST WEEKEND WORK. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.
- ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDAY/WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION.
- 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 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.
- SEWER SECTION:
- 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 TELEVISIONING 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 SPECIFICATION ITEM NO. 864-S1, "BYPASS PUMPING SMALL DIAMETER SANITARY SEWERS" AND ITEM NO. SP864, "BYPASS PUMPING". PAYMENT FOR SUCH WORK WILL BE MADE UNDER THE BID ITEM "BYPASS PUMPING" (LUMP SUM PER EACH) AS PER SAWS SPECIFICATION.

- 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 ONE WEEK 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).
 - SMART MANHOLE COVERS: THE CONTRACTOR SHALL NOTIFY JUAN C. RAMIREZ AT 210-233-3558 AND SAWS EOC AT 210-704-SAWS (210-233-7297) 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.
- NOTES:
- CONTRACTOR TO MAINTAIN SEWER LATERALS AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL ALSO MAINTAIN ACCESS TO ALL EXISTING AND PROPOSED WATER VALVES AT ALL TIMES (NSPI).
 - NSPI - NOT A SEPARATE PAY ITEM.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OPERATION OF ALL EXISTING UTILITIES AFFECTED BY PROPOSED CONSTRUCTION.
 - TREE REMOVAL IS NOT PERMITTED ON THIS PROJECT UNLESS NOTED OTHERWISE BY CALLOUTS IN THE PLANS. CONTRACTOR SHALL TAKE EXTREME CARE WHEN WORKING AROUND TREES TO PREVENT DAMAGE. PRIOR TO THE START OF WORK, CALL 207-1111 TO SCHEDULE A PRE-CONSTRUCTION FENCING INSPECTION. TREE PROTECTION AND PRUNING OF TREES REQUIRED TO CLEAR RIGHT OF WAY OR EASEMENTS AND ALL ONSITE TREE REMOVAL WILL BE DONE AT CONTRACTOR'S EXPENSE (NSPI).
 - CONTRACTOR SHALL PROVIDE ACCESS FOR DELIVERY OF MAIL BY THE US POSTAL SERVICE.
 - CONTRACTOR SHALL PROVIDE ACCESS TO MAINTAIN TRASH SERVICE AT ALL TIMES.
 - EXISTING SEWER LINE DEPTHS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL DEPTHS PRIOR TO STARTING CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE SIDEWALK AND LANE CLOSURES WITH CITY OF SAN ANTONIO AND TXDOT.
 - CONTRACTOR SHALL NOTIFY SAWS INSPECTION AT 210-233-3500 AT LEAST 48-HOURS BEFORE ANY OF THE FOLLOWING ACTIVITIES TAKE PLACE:
 - BYPASS PUMPING SETUP OPERATIONS
 - PRE-TELEVISION INSPECTION
 - PIPE INSTALLATION
 - ALL BYPASS PIPING CALLED OUT TO BE BURIED SHALL BE CONSIDERED SUBSIDIARY TO ITEM NO 864-S1.

CPS ENERGY NOTES:

- CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-545-6005, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN PROJECT AREA.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.
- CONTRACTOR TO FIELD VERIFY THE DEPTH OF GAS MAINS BEFORE BEGINNING OF CONSTRUCTION.

AT&T NOTES:

- THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE.
- THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-545-6005) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

NOTE FOR THE CITY OF SAN ANTONIO FLATWORK:

ALL LIMITS FOR CURB, SIDEWALK, AND TREE PREP BEYOND WHAT IS CONSIDERED INCIDENTAL TO NORMAL UTILITY CONSTRUCTION WILL BE ADDRESSED BY THE SAWS INSPECTOR. SAWS INSPECTOR WILL ALSO DETERMINE IF ADDITIONAL COMPENSATION IS WARRANTED IF LIMITS EXCEED INCIDENTALS.

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.

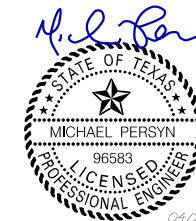
GENERAL TCP NOTES

- THE CONTRACTOR SHALL NOT HAVE EXCLUSIVE USE OF THE RIGHT OF WAY BUT SHALL COOPERATE IN THE USE OF THE RIGHT OF WAY WITH THE CITY OF SAN ANTONIO, TEXAS DEPARTMENT OF TRANSPORTATION, AS WELL AS VARIOUS PUBLIC UTILITY COMPANIES AS MAY BE REQUIRED. IN THE EVENT OF UNFORESEEN UTILITY ADJUSTMENTS, THE CONTRACTOR SHALL EXECUTE WORK IN SUCH A MANNER AND SEQUENCE AS TO ALLOW THE ADJUSTMENTS TO BE MADE WITH MINIMAL DISRUPTION TO TRAFFIC.
- TRAFFIC MUST BE HANDLED APPROPRIATELY THROUGH THE PROJECT DURING CONSTRUCTION AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE FOR THE SAFETY AND COMFORT OF THE TRAVELING PUBLIC AT ALL TIMES. THE CONTRACTOR SHALL BE REQUIRED TO GIVE THE TRAVELING PUBLIC AT LEAST 48 HOUR ADVANCE NOTICE OF ANY LANE CLOSURES OR CHANGE IN TRAFFIC FLOW DIRECTION.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE NECESSITY OF ERECTING AND MAINTAINING BARRICADES, WARNING SIGNS, AND DIRECTIONAL SIGNS AT ALL APPROACH STREET INTERSECTIONS IN ORDER TO PROPERLY DIRECT TRAFFIC WITHIN THE LIMITS OF THIS PROJECT. ALL SUCH BARRICADES, WARNING SIGNS, AND DIRECTIONAL SIGNS SHALL COMPLY WITH THE LATEST EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
- CONTRACTOR SHALL PROVIDE VEHICULAR INGRESS AND EGRESS ACCESS TO AT LEAST ONE DRIVEWAY PER PROPERTY AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL PROVIDE FOR THE SAFE MOVEMENT OF ALL PEDESTRIAN TRAFFIC AND BICYCLE TRAFFIC IN AND AROUND THE CONSTRUCTION AREA DURING THE CONSTRUCTION PHASING. ALL SUCH BARRICADES, WARNING SIGNS, AND DIRECTIONAL SIGNS SHALL COMPLY WITH THE LATEST EDITION OF THE TMUTCD.
- ACCESS TO PROPERTIES AND BUSINESSES ADJACENT TO THE RIGHT OF WAY MUST BE PROVIDED AND MAINTAINED AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL PERSONALLY CONTACT THE BUSINESS OR PROPERTY OWNER AT LEAST 5 DAYS IN ADVANCE OF ANY DRIVEWAY CLOSURE. IF THE PROPERTY HAS MORE THAN ONE DRIVEWAY, THEY SHALL BE CLOSED ONLY ONE AT A TIME. IF THE PROPERTY ONLY HAS ONE ACCESS, THE DRIVEWAY SHALL BE CLOSED IN HALF SECTIONS. IF CLOSURE OF A SINGLE ACCESS TO ANY BUSINESS IS REQUIRED FOR UTILITY WORK, THIS ACTIVITY SHALL BE PERFORMED DURING OFF-PEAK HOURS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR TO PROVIDE ROAD RAMPS OR BURY BYPASS PIPING IN ORDER TO MAINTAIN ACCESS TO DRIVEWAYS AND THROUGH INTERSECTIONS.
- METAL PLATES WILL BE ALLOWED TO COVER TRENCHES IN COSA ROW LEFT OVERNIGHT AND/OR DURING THE DAY THAT HAVE NOT HAD BACKFILL PLACED BUT SHALL NOT BE USED ON ANY SPECIFIC TRENCH FOR MORE THAN 3 CALENDAR DAYS. REFER TO THE LATEST EDITION OF THE COSA UTILITY EXCAVATION CRITERIA MANUAL FOR REQUIREMENTS FOR PLACING PLATES FLUSH WITH THE PAVEMENT. IF CONTRACTOR CHOOSES NOT TO UTILIZE METAL PLATES, ALL OPEN TRENCHES MUST BE BACKFILLED AT THE END OF EACH WORKING DAY TO ALLOW FOR NON-INTERRUPTED, FREE-FLOW TRAFFIC. NO METAL PLATES WILL BE ALLOWED IN TXDOT ROW OVER OPEN TRENCHES.
- ADVANCE WARNING LANE CLOSURE SIGNS SHALL BE COVERED WHEN ALL EXISTING LANES ARE OPEN TO TRAFFIC.
- TCP IS SHOWN FOR CIPP WORK ONLY. CONTRACTOR TO PROVIDE TCP FOR ANY OTHER SUBSIDIARY WORK RELATED TO ACCOMPLISHING THE OVERALL WORK.

VIA BUS NOTES:

- EXISTING VIA BUS STOPS ARE LOCATED WITHIN THE PROJECT LIMITS AND SHALL NOT BE DISTURBED AS PART OF WATER OR SEWER MAIN CONSTRUCTION ACTIVITIES.
- CONTRACTOR TO NOTIFY VIA AT LEAST 2 WEEKS PRIOR TO BEGINNING CONSTRUCTION. CONTACT MARK SPAULDING AT 210-414-9078 TO COORDINATE.
- ACCESS TO BUS STOPS MUST BE MAINTAINED DURING CONSTRUCTION UNLESS PRIOR WRITTEN APPROVAL HAS BEEN RECEIVED FROM VIA.

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	ADDENDUM NO.1	TK	MP	4/23/2020
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REVISIONS				
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SEWER REHABILITATION NOTES:

1. THESE PLANS WERE PREPARED WITH LIMITED ON THE GROUND SURVEY. AERIAL IMAGERY MAY NOT REFLECT ALL RECENT IMPROVEMENTS. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
2. PROFILES SHOWN IN PLANS FOR CIPP SEGMENTS ARE BASED ON BEST INFORMATION AVAILABLE. INVERTS ARE BASED ON SAWS GIS DATA AND WERE NOT VERIFIED BY SURVEY AT ALL LOCATIONS. INFORMATION IS PROVIDED TO ASSIST CONTRACTOR WITH PLANNING INSTALLATION. SLIGHT DISCREPANCIES WITH MANHOLE ELEVATIONS MAY BE ENCOUNTERED; CONTRACTOR SHALL FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, GRADES, AND SERVICE LATERALS BEFORE START OF CONSTRUCTION.
3. ALL POINT REPAIRS MUST BE CONFIRMED AND APPROVED BY SAWS AND DESIGN ENGINEER VIA PRE-TELEVISION PRIOR TO CONSTRUCTION.
4. CONTROL NOISE LEVEL DURING NIGHT HOURS IN ACCORDANCES WITH CITY OF SAN ANTONIO NOISE ORDINANCES, EXCEPT AS MODIFIED BELOW. CONSTRUCTION ACTIVITIES AND EQUIPMENT FOR ACTIVITIES BETWEEN THE HOURS OF 6 P.M. AND 7 A.M. SHALL BE EQUIPPED WITH ACOUSTICAL ENCLOSURES TO LIMIT NOISE LEVEL TO 56 DECIBELS WHEN MEASURED AT ADJACENT RESIDENTIAL PROPERTY LINE OR 63 DECIBELS WHEN MEASURED AT ADJACENT BUSINESS ZONED PROPERTY LINE. DAYTIME NOISE LEVELS (7 A.M. TO 6 P.M.) SHALL NOT EXCEED 80 DECIBELS WHEN MEASURED AT NEAREST PROPERTY LINE.
5. SOME SANITARY SEWER SEGMENTS PROPOSED FOR REHABILITATION ARE IN CLOSE PROXIMITY TO BUSINESSES. THE CONTRACTOR SHALL COORDINATE WITH AFFECTED ENTITIES AND PROVIDE AT LEAST SEVEN (7) DAYS ADVANCE NOTICE PRIOR TO COMMENCING WORK IN THE AREA. THE CONTRACTOR SHALL MAINTAIN ACCESS AT ALL TIMES. INTERRUPTION OF SERVICE, IF ANY, SHALL BE KEPT TO A MINIMUM AND SCHEDULED TO OCCUR AT A MUTUALLY AGREEABLE TIME OR AFTER HOURS. THE CONTRACTOR SHALL MAINTAIN SANITARY SEWER SERVICE TO RESIDENTS AT ALL TIMES.
6. CONTRACTOR SHALL ACQUIRE HIS OWN STAGING AREA (INCLUDING PARKING FOR CONSTRUCTION PERSONNEL VEHICLES). REFER TO SPECIAL CONDITIONS FOR REQUIREMENTS FOR STAGING AREAS ON PRIVATE PROPERTY.
7. CONSTRUCTION SEQUENCING: CONTRACTOR IS ADVISED THAT CERTAIN SEGMENTS IMPACT SAN ANTONIO RIVER AUTHORITY (SARA) CONTROLLED CREEKS/RIVERS, SCHOOLS, CITY OF SAN ANTONIO (COSA) PARKS, AND GOLF COURSES. CONTRACTOR IS REQUIRED TO COORDINATE WITH THESE ENTITIES IN ADVANCE AND SCHEDULE WORK IN ACCORDANCE WITH THE LIMITATIONS INDICATED IN THE PLANS FOR THESE SEGMENTS. REFER TO SPECIAL CONDITIONS FOR ADDITIONAL REQUIREMENTS FOR SEQUENCING.
COSA PARKS: MS. SANDY JENKINS AT 210-207-2721
RIVERSIDE GOLF COURSE: MR. JAKE SNYMAN AT 210-908-5927
9. CONTRACTOR SHALL BE AWARE THAT PROPOSED CIPP WILL LINE THROUGH MINOR JOINT OFFSETS, MINOR SAGS, AND OTHER MINOR PIPE DEFECTS. MORE SIGNIFICANT DEFECTS THAT NEED TO BE LINED THROUGH ARE SPECIFICALLY CALLED OUT IN THE PLANS OR ARE PROPOSED TO BE POINT REPAIRED.
10. LIMITS OF CONSTRUCTION IN PUBLIC ROW ARE LIMITED TO "APPARENT ROW" LABELED ON PLANS UNLESS NOTED OTHERWISE. LIMITS OF CONSTRUCTION ON PRIVATE PROPERTY SHALL BE PER THE TERMS OF THE RIGHT OF ENTRY AGREEMENTS IN THE CONTRACT DOCUMENTS. WHERE RIGHT OF ENTRY DOCUMENTS ARE NOT INCLUDED IN THE CONTRACT DOCUMENTS, CONTRACTOR SHALL LIMIT ACTIVITIES TO THE EXISTING SEWER EASEMENT SHOWN IN THE PLANS OR PROCURE APPROVAL FROM THE PROPERTY OWNER AT HIS OWN EXPENSE.
11. CONTRACTOR SHALL RESTORE ACCESS ROUTES TO PROJECT LOCTIONS OUTSIDE THE PUBLIC ROW TO THEIR PRE-CONSTRUCTION CONDITION AT HIS OWN EXPENSE. (NSPI)
12. REHABILITATED MANHOLES SHALL RECEIVE A NEW RING AND COVER TO MATCH THE EXISTING DIAMETER PER ITEM NO. 851 AS INDICATED IN THE DRAWINGS. RECONSTRUCTED MANHOLES SHALL RECEIVE A NEW 32" COVER, REGARDLESS OF EXISTING COVER SIZE. NOTE THAT SOME MANHOLE COVERS WITHIN THE PROJECT LIMITS HAVE BEEN UPGRADED TO THE CURRENT STANDARDS BY SAWS. THESE MANHOLES WILL NOT REQUIRE A NEW RING AND COVER UNDER ITEM 851. CONTRACTOR TO REPORT ANY DISCREPANCES IN MANHOLE LID REPLACEMENTS TO ENGINEER AND SAWS INSPECTOR.
13. NEW MANHOLES INSTALLED FOR BYPASS SUCTION POINTS SHALL BE CONSTRUCTED PER SAWS STD DWG DD-852-01 AND DD-850-01. CONTRACTOR SHALL SUBMIT DETAILS FOR DOGHOUSE MANHOLE INSTALLATION AS PART OF SUBMITTAL PROCESS.
14. MANHOLE RECONSTRUCTION INDICATED IN PLANS IS BASED ON AN ESTIMATED LOCATION FOR CIPP LINER INSERTION. CONTRACTOR MAY MODIFY LOCATIONS FOR CIPP LINER INSERTION TO SUIT HIS OPERATIONS SUBJECT TO APPROVAL BY ENGINEER TO VERIFY COMPLIANCE WITH ROW PERMIT. ALTERNATE INSERTION LOCATIONS PROPOSED BY CONTRACTOR THAT REQUIRE MODIFICATIONS TO THE TRAFFIC CONTROL, BYPASS PLANS, OR PAVEMENT RESTORATION QUANTITIES SHALL BE AT CONTRACTOR'S EXPENSE.
15. SANITARY SEWER CLEANOUTS SHOWN ON CIPP SHEETS ARE FOR USE IN FLOW MANAGEMENT. VERIFY IF EXISTING CLEANOUT LOCATIONS ARE AVAILABLE WITH SAWS INSPECTOR PRIOR TO INSTALLATION.
16. SURFACE RESTORATION FOR CLEANOUT INSTALLATION IN PAVED AREAS SHALL UTILIZE APPLICABLE BID ITEMS. RESTORATION OF GRASSY AREAS WITH TOPSOIL AND SOD SHALL BE SUBSIDIARY TO THE CLEANOUT BID ITEM.
17. INSTANCES WHERE OBSTRUCTION REMOVALS AND POINT REPAIRS WERE IDENTIFIED IN THE DESIGN CCTV ARE NOTED IN THE PLANS. DUE TO THE AGE AND CONDITION OF THE AVAILABLE VIDEOS, ADDITIONAL POINT REPAIR AND OBSTRUCTION REMOVAL ITEMS HAVE BEEN ADDED TO THE OVERALL PROJECT QUANTITIES. NOTE THAT THE OBSTRUCTION REMOVAL PAY ITEMS ARE INCLUSIVE OF ALL POTENTIAL OBSTRUCTIONS THAT MAY BE ENCOUNTERED AND WILL BE PAID FOR BY PIPE SEGMENT AND NOT BY EACH INSTANCE OF OBSTRUCTION REMOVAL. REFER TO SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION

18. CONTRACTOR'S BYPASS PIPING SHALL ALLOW FOR CONVEYANCE OF STORM WATER RUNOFF. IMPACTS TO PRIVATE PROPERTY CAUSED BY CONTRACTOR'S BYPASS PIPING SHALL BE RESOLVED AT CONTRACTOR'S EXPENSE.

COSA PARKS NOTES:

1. THE CONTRACTOR SHALL MAINTAIN TRAIL OPERATIONS DURING COSA PARK HOURS. IF TRAILS ARE TO BE DISRUPTED FOR ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY COSA AT 210-207-2721 PRIOR TO COMMENCING ANY WORK ACTIVITY.
2. THE CONTRACTOR SHALL AVOID DAMAGE OF ANY KIND TO THE COSA GREENWAY TRAILS AND SHALL MINIMIZE ENCROACHMENT ON THE TRAILS DURING CONSTRUCTION. ANY DAMAGED TRAILS SHALL BE REPAIRED TO ORIGINAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL NOTIFY COSA PARKS AT 210-207-2721 A MINIMUM OF TWO WEEKS PRIOR TO STARTING CONSTRUCTION AND 48 HOURS PRIOR TO MOBILIZING EQUIPMENT.
4. CONTRACTOR IS TO MAINTAIN UNRESTRICTED DRAINAGE OF THE PROJECT SITE AND ADJACENT AREAS DURING CONSTRUCTION.
5. CONTRACTOR SHALL BURY BYPASS PIPES CROSSING PARK TRAILS, BEGINNING AND ENDING, AT A MINIMUM OF 10 FEET FROM TRAIL EDGES.
6. ANY TEMPORARY SURFACE OR PATCH ON THE TRAILS SHALL BE COARSE AND SLIP RESISTANT. NO TRAIL SHALL BE TEMPORARILY OR PERMANENTLY COVERED OR PATCHED WITH A SURFACE THAT IS SUSCEPTIBLE TO SLIPPING (I.E. STEEL PLATES, PLASTIC SHEETING, ETC.).
7. CONTRACTOR SHALL PROVIDE ADVANCED WARNING ALONG COSA TRAIL IN BOTH DIRECTIONS NOTIFYING PEDESTRIANS OF CONSTRUCTION WORK ZONE AHEAD. ADVANCED WARNING AND SIGNAGE SHALL FOLLOW CURRENT MUTCD DESIGN GUIDELINES FOR TRAFFIC CONTROL DEVICES. CONTRACTOR SHALL USE FLAGGERS (NSPI) AT ALL TIMES WHILE CONSTRUCTION ACTIVITIES ARE NEAR AND/OR CROSSING COSA PARK TRAILS AS AN ADDITIONAL MEANS OF PROTECTING THE PUBLIC.

GOLF COURSE NOTES:

1. THE CONTRACTOR SHALL COORDINATE AND AGREE WITH MUNICIPAL GOLF ASSOCIATION - SAN ANTONIO FOR PRE-CONSTRUCTION SITE VISITS AND CONSTRUCTION ACTIVITIES. REFER TO RIGHT OF ENTRY AGREEMENT IN CONTRACT DOCUMENTS. CONTACT PERSON IS ANDREW PETERSON, 210-908-5913.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR ALL CART PATHS ON GOLF COURSES UNLESS APPROVED IN WRITING BY CITY OF SAN ANTONIO PARKS. THE CONTRACTOR SHALL NOTIFY COSA AT 210-207-2121 PRIOR TO COMMENCING ANY ACTIVITY AT RIVERSIDE GOLF COURSE.
3. THE CONTRACTOR SHALL AVOID DAMAGE OF ANY KIND TO THE GOLF CART PATHS, GREENS, OR FAIRWAYS UNLESS IDENTIFIED ON THE PLANS FOR REPLACEMENT. ANY DAMAGE DONE SHALL BE REPAIRED TO ITS ORIGINAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE.

COSA PUBLIC WORKS STORM WATER ENGINEERING NOTES:

1. WORK WITHIN THE 100-YEAR FLOODPLAIN OR CITY OF SAN ANTONIO DRAINAGE CHANNELS IS SUBJECT TO THE TERMS OF THE FLOODPLAIN DEVELOPMENT PERMIT ISSUED BY THE CITY. A COPY OF THIS PERMIT IS INCLUDED IN THE BID DOCUMENTS FOR THE CONTRACTOR'S USE.
2. 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.
3. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN A DRAINAGE EASEMENT OR STREET RIGHT-OF-WAY NOT INDICATED ON THE CONSTRUCTION PLANS.
4. BYPASS LINES IN STORMWATER CHANNELS SHALL BE IN ACCORDANCE WITH THE APPROVED FLOODPLAIN DEVELOPMENT PERMIT. BYPASS LINE PLACED ABOVE GROUND SHALL BE ANCHORED TO MINIMIZE MOVEMENT AND POTENTIAL FOR FAILURE. CONTRACTOR SHALL INCLUDE MEANS OF ANCHORING IN HIS BYPASS SUBMITTAL PER ITEM SP864. CONTRACTOR SHALL KEEP VEGETATION MOWED TO 8 INCHES OR LESS WITHIN 20 FEET ON EITHER SIDE OF BYPASS LINE TO INCREASE VISIBILITY OF THE LINE FOR COSA MOWING OPERATIONS.
5. CONTRACTOR IS ADVISED THAT COSA STORMWATER ENGINEERING MAY REQUIRE BYPASS PIPING TO BE BURIED WITHIN THE PILOT CHANNEL OF THE STORMWATER CHANNEL. DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL GRADE PER STORMWATER NOTE NO. 10 THIS SHEET.
6. 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.
7. 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.
8. NO STRUCTURE, FENCES, WALLS, LANDSCAPING, OR OTHER OBSTRUCTIONS THAT IMPEDE DRAINAGE SHALL BE PLACED WITHIN THE LIMITS OF THE DRAINAGE EASEMENTS SHOWN ON THE CONSTRUCTION DOCUMENTS.
9. 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.
10. 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.

SAN ANTONIO RIVER AUTHORITY (SARA) NOTES:

1. PROJECT LOCATIONS 1, 2, AND 7 IMPACT SARA CONTROLLED CREEKS AND RIVERS. THE FOLLOWING REQUIREMENTS PERTAIN TO WORK AT THESE 3 LOCATIONS, IN ADDITION TO OTHER CONTRACT REQUIREMENTS.
2. PROJECT LOCATIONS 1 AND 2 BYPASS IN ALAZAN CREEK IS ADJACENT TO SARA'S WESTSIDE CREEKS ALAZAN CREEK TRAIL (LONBRANO STREET TO APACHE CREEK TRAIL) PROJECT. CONTRACTOR SHALL COORDINATE BYPASS LOCATION WITH SARA CONTRACTOR. SEE SPECIAL CONDITIONS FOR ADDITIONAL SCHEDULING REQUIREMENTS.
3. CONTRACTOR SHALL CONTACT RONNIE HERNANDEZ (RONNIE@SARA-TX.ORG) OR AMANDA NASTO (ANASTO@SARA-TX.ORG) WITH SARA TWO WEEKS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROVIDE SCHEDULE UPDATES AS REQUESTED BY SARA.
4. CONTRACTOR SHALL POST A COPY OF THE APPROVED EMERGENCY SPILL RESPONSE PLAN ON-SITE. IN THE EVENT OF A LEAK OR SPILL, THE CONTRACTOR SHALL CONTACT SARA IN ADDITION TO THE SAWS INSPECTOR. ALL BYPASS WORK SHALL STOP AND THE LEAK SHALL BE CONTAINED AND CLEANED UP. CONTRACTOR SHALL WAIT FOR SARA AUTHORIZATION TO RESUME BYPASS OPERATIONS.
5. STORMWATER BMPS SHALL BE INSTALLED PRIOR TO STARTING WORK.
6. ALL DAMAGED VEGETATION SHALL BE RESTORED PER SPECIFICATION ITEM 3192 "SEEDING FOR EROSION CONTROL - SARA ROW."

SAN ANTONIO HOUSING AUTHORITY (SAHA) NOTES:

1. PROJECT LOCATION 2 IMPACTS EXISTING SAHA HOUSING COMPLEXES. THE CONTRACTOR SHALL CONTACT KEITH WINSETT (KEITH_WINSETT@SAHA.ORG, 210-389-2234) TWO (2) WEEKS PRIOR TO CONSTRUCTION SO SAHA CAN ALERT RESIDENTS.
2. PROJECT LOCATION 3 BYPASS IS ADJACENT TO SAHA'S LABOR PARK DEVELOPMENT PROJECT, WHICH WILL BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT. CONTRACTOR SHALL COORDINATE WITH SAHA'S CONTRACTOR ON PLACEMENT OF BYPASS PIPING IN LABOR STREET.

ARCHAEOLOGICAL MONITORING NOTES:

1. ANY POINT REPAIRS REQUIRING EXCAVATION AT PROJECT LOCATION 1 (LEAL STREET), PROJECT LOCATION 2 (TAFOLLA MIDDLE SCHOOL TO GUADALUPE STREET ALONG ALAZAN CREEK), OR PROJECT LOCATION 7 (SAN ANTONIO RIVER NEAR RIVERSIDE DRIVE) WILL REQUIRE ARCHAEOLOGICAL MONITORING DUE TO THE ARCHAEOLOGICAL SENSITIVITY OF THE AREA. A QUALIFIED ARCHAEOLOGIST PROVIDED BY SAWS WILL BE PRESENT ON-SITE DURING EXCAVATION AT THESE LOCATIONS. CONTRACTOR SHALL COORDINATE WITH ENGINEER AND SAWS INSPECTOR AT LEAST 72 HOURS PRIOR TO EXCAVATION TO COORDINATE PRESENCE OF THE ARCHAEOLOGICAL MONITOR. SEE SPECIAL CONDITIONS FOR ADDITIONAL INFORMATION.

K-FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
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San Antonio, Texas 78216
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TBE Firm Number 6535
www.kfriese.com



ADDENDUM NO.1	TK	MP	4/23/2020
No.	Revision	Drawn	Approved

REVISIONS			
	BPC CENTRAL LD PACKAGE 1		
	PROJECT SPECIFIC NOTES		

DEVELOPER:			
CONT.	BUDGET PROJ.		

SUBMITTED	_____
APPROVED	_____

MAP No.		SHEET 4
SECT. No.		
DR.	CK.	JOB No. 18-4535
		OF 157

DISCLAIMER

The video clips being provided through the FTP site are for the BPC Central Large Diameter Package 1 project. Since these videos have been compiled over a period of time, many of the images may be outdated and no longer accurate. The video clips are being made available for the sole purpose of providing historical background information that may assist Respondents in preparing their response to this solicitation. As planning for any project evolves, important aspects often change. This project is no exception. SAWS makes no representations about the accuracy of this information and disclaims any responsibility for its use.

The FTP details will be provided upon return of this form.

AGREED TO:

Printed Name

Signature

Typed/Printed Firm Name

Date: _____

Report Date 04/15/2020 03:53 PM

Submitted By

Page 1

A/P # 2561984

Application Information

Stages

	Date / Time	By		Date / Time	By
Processed	01/02/2020 15:53	138742	Temp COO		
Issued	04/15/2020 15:50	138742	COO		
Final			Expires		

Associated Information

Type of Work	NEW NEW	# Plans	0
Dept of Commerce	COMMER COMMERCIAL CONSTRUCTION	# Pages	0
Priority		Auto Reviews	
Square Footage	0.00	Name	CIP SAWS 18-4535 BPC CENTRAL

Valuation

Declared Valuation	0.00
Calculated Valuation	0.00
Actual Valuation	0.00

Description of Work

AP #2561984 // SAWS 18-4535 SSOR BPC Central LD 1 // A2 // ICL // 2015 // 12/13/2019 // CGJ

TREE SURVEY PRESERVATION PLAN AND TREE PERMIT

// AP # 2561984 // SAWS SSORP BPC Central LD 1 // A2 // ICL // 2015 // 4/15/2020 / CGJ

STATUS: APPROVED FOR TREE REMOVAL ONLY ? NO TREES SHALL BE IMPACTED OR REMOVED AS PART OF THIS PROJECT. IF TREES ARE IMPACTED, THEN THE CITY OF SAN ANTONIO ARBORIST OFFICE SHALL BE NOTIFIED WITHIN 24 HOURS OF THE OCCURRENCE.

THE TREE PERMIT IS APPROVED FOR EITHER:

- a)The life of the plat if tied to a plat;
- b)180 days of inactivity if not tied to a plat.

YOU MAY SCHEDULE PRE-CONSTRUCTION, FENCING, FOLLOW-UP AND FINAL TREE INSPECTIONS ASfollows:

- 1)https://permits.sanantonio.gov/DP1/Metroplex/sanantonio/login/wiz_login.asp.
- 2)210.207.2222 ? all calls go directly to voicemail. The caller is prompted to leave a detailed message. No calls are returned
- 3)210.207.1111 ? calls go to a call center customer assistance person. The call center will schedule the inspection and insert the \$3.00 inspection fee for call center or other staff to schedule the inspection

ANY SITEWORK OR TREE REMOVAL OUTSIDE OF THE APPROVED TREE PERMIT SHALL SUBMIT A SAPRATE TREE APPLICATION FOR REVIEW AND APPROVAL PRIOR TO ANY START OF WORK

THIS PERMIT IS FOR TREE REMOVAL ONLY.

UPLAND

Significant % Preserved100
Significant % Required25
Excess/Mitigation Inches0

Achieved and exceeded preservation requirements.

Prior to commencement of any activities requiring a tree permit, the applicant shall schedule a pre-construction meeting with the City Arborist to review procedures for protection and management of all significant, heritage or mitigation trees (Can be scheduled with tree fencing inspection).

Call 210-207-1111 to schedule an in-field pre-construction & fencing inspection (per Section 35-477 of the UDC, subsection tree permits (5)(C). Failure to schedule a fencing inspection prior to the start of work may result in a Stop Work Order, a penalty of \$2000.00, or both. Referenced the AP# associated with the approved permit.

It shall be the responsibility of the permit holder to maintain a copy of the approved tree plans, approved tree permit and the conditions of approval imposed by the city arborist readily available at the site at all times during which authorized work is in progress.

Failure to schedule a fencing inspection prior to start of work may result in a stop work order or a penalty of \$1000.00 or both. (section 35-523 of the udc, subsection (k)(2) the barrier shall be in place before any site work is initiated and maintained throughout the construction process)

35-477 (h) Amendments. Notification and approval of the city arborist are required if changes need to be made to an approved tree preservation plan. Approval of the changes must be received from the city arborist, in writing, before commencement of any work that is the subject of the change or field adjustment. Failure to comply with this requirement may result in a Stop Work Order, a penalty of \$2000.00, or both.

// GENERAL NOTES, TERMS, AND CONDITONS:

Contractor is responsible for providing a licensed Tree Maintenance Professional throughout the project per City of San Antonio Ordinance Article VIII Sec. 21-171.

ADDENDUM 1

Staging, Parking, Storage, Employee Parking, etc.:

- 1) All construction access and staging areas will need to be surveyed and associated tree impacts will need to be accounted for in the preservation plan.
- 2) Staging, parking, and material storage areas and project limits of clearance must be discussed and approved with the inspector during the pre-construction/fencing inspection.
- 3) 35-523 (k) (5) All offsite staging, storage, project trailers, employee parking, etc. are required to obtain and comply with a Temporary Uses Certificate of Occupancy.
- 4) No equipment, vehicles or materials shall operate or be stored within the root protection zone of any tree near the project.

35-477 (j) It shall be the responsibility of the permit holder to maintain a copy of the tree permit, the data and drawings required by this section, and the conditions of approval imposed by the City Arborist readily available at the site at all times during which the authorized work is in progress.

35-523 (k) (4) All broken branches & exposed roots 2" in diameter or greater of Significant, Heritage or mitigation trees shall be cut cleanly. For oak species, in order to prevent oak wilt infection, wounds must be painted within 30 min.

21-170 (b) All wounds to the trunk, limbs, and root system of oak trees in the city that expose sapwood shall be painted within 30 min. of the wound with asphaltic, exterior oil or latex based paint.

35-511 (e) A protective barrier, beginning at the outside of the dripline of the tree, to protect the root protection zone shall be erected and maintained until construction is completed.

35-523 (k) (2) The barrier shall be in place before any site work is initiated and maintained throughout the construction process.

35-477 (5) (c) A pre-construction meeting is required to review procedures for protection and management of all significant, heritage or mitigation trees. This can be scheduled with the Fencing Inspection, 210-207-1111. Reference AP # provided above.

35-523 (j) (1) Root Protection Zone:

- 1) A root protection zone must be established around the trunk of each tree preserved or mitigation tree. The root protection zone shall be an area defined by an average radius extending outward from the trunk of the tree a distance of one (1) linear foot for each inch (DBH).
- 2) The root protection zone area shall be preserved at natural grade, with natural groundcover.
- 3) No cutting, filling, trenching, root disturbance, soil disturbance, or construction impacts shall occur closer to the trunk than one-half (?) the root protection zone radius except in parking areas where approved alternative materials and methods are used, construction may be as close as five (5) feet from the root flares on one (1) side of the tree. The impervious cover may encroach within the root protection zone if said encroachment is approved by the city arborist.
- 4) Filling shall be allowed to accomplish water conservation goals established by the City of San Antonio or by a public utility.

Please forward a copy to the contractor on site with a copy of the plat or plan (if applicable) for posting on site. A copy of the approved permit and plan must be on site during site work.

// IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CONTACT ME AT CHARLES.JOHNSON2@SANANTONIO.GOV OR (210) 207-0170.

Parent A/P #	Project #	Project/Phase Name	Phase #
Size/Area	Size Description		

Fees	Status	Paid Date	Amount
TREE CANOPY - COMMERCIAL	P	12/23/2019 12:10	300.00
AFFIDAVIT FEE COMMERCIAL TREE PRESERV	P	12/23/2019 12:10	2100.00
REVIEW FEE COMMERCIAL TREE PRESERVATION	P	12/23/2019 12:10	100.00
Total Unpaid		0.00	Total Paid 2500.00

Check Conditions	Approval	Approved By	Approved Date	Applied By	Applied Date	Assigned
Condition	Supervisor Required	Comments				

No Conditions

Employee ID	Last	First	MI	Comments
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No Employee Entries

Report Date 04/15/2020 03:53 PM

Submitted By

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Log Action Comments	Description	Entered By	Start	Stop	Hours
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No Log Entries