



**Multiple Sewershed Package 11A
Solicitation Number: CO-00269
Job No.: 18-4525**

**ADDENDUM 2
October 21, 2019**

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.

MODIFICATIONS TO SPECIFICATIONS

1. The estimated cost for this project has changed to **\$1,998,113.00**, which is also now reflected on SAWS website at the following:
https://apps.saws.org/Business_Center/Contractsol/Drill.cfm?id=3658&View=Yes
2. Remove and replace the Bid Packet Checklist in its entirety with the revised version attached to this Addendum. Project Manager resume and Superintendent resume were added to the required documentation on the checklist. The revised version should be used by bidders when submitting a bid for this project.
3. Remove and replace the Bid Proposal in its entirety with the revised version attached to this Addendum. The quantity of Item No. 17, Spec No. - 852 Sanitary Sewer Manholes (0-6' Depth) (4' Dia), has changed to 5 EA. The revised version should be used by bidders when submitting a bid for this project.
4. Remove and replace the Statement of Bidder's Experience in its entirety with the revised version attached to this Addendum. Project A-1 and Project A-2 requirement descriptions have been updated to include CIPP construction for 8-inch through 15-inch sanitary sewer mains. The revised version should be used by bidders when submitting a bid for this project.
5. Remove and replace the Special Provisions to Technical Specification in its entirety with the revised version attached to this Addendum. Language was updated to Special Provision Item No. 901 Rehabilitation of Sanitary Sewer by Cured-In-Place Pipe (Hot Water or Steamed Cured). Section 901.4.1.i has been added to include Hydrophilic End Seal Sleeves requirements.
6. Appendix B, insert attached Right-of-Entry for 915-916 SW Military Dr.

MODIFICATIONS TO PLANS

1. Plan Sheet 3 – Replace sheet dated 09/26/2019 with attached sheet dated 10/16/2019.

RESPONSES TO QUESTIONS

1. **Question:** Are the point repairs trenchless or excavated?

Response: Excavation is the method anticipated to perform the point repairs.

2. **Question:** Will the Owner/Engineer please provide the anticipated NTP date for this project?

Response: Refer to Supplemental Conditions Article V – Contract Responsibility Section 5.13.5.

The anticipated NTP for this project is December 13, 2019.

3. **Question:** Will the Owner/Engineer please clarify allowed working hours in COSA and TxDOT ROWS?

Response: Refer to San Antonio Water System General Conditions, Article V. Contract Responsibilities Section 5.18 WORKING HOURS

There are exceptions noted on plan sheets for high traffic volume streets. Project Locations AT41 and AU40 Bypass Layout Plans include Note #6 which states “Due to high traffic volume, Contractor shall consider performing sanitary sewer main and manhole rehabilitation Sunday through Thursday, between the hours of 8 p.m. and 5 a.m.”

4. **Question:** With reference to Special Conditions, SC-1.1.1.A. Will the Owner/Engineer please provide information about project schedule for City of San Antonio’s Bynum Avenue Roadway Reconstruction Project, if any?

Response: Bynum Avenue (West Gerald Avenue to Southwest Military Drive) is part of the 2017 General Obligation Bond. According to City of San Antonio’s website, anticipated advertise date is estimated at January 2020, with a construction start date estimated at April 2020, and construction end date estimated at June 2022. For additional information, please contact the following:

Richard Casiano
City of San Antonio Capital Project Officer
(210) 207-8218
Richard.Casiano@sanantonio.gov

Matt Ginn
City of San Antonio Capital Project office
(210) 207-4612
Matt.Ginn@sanantonio.gov

5. **Question:** With reference to Special Conditions, SC-1.1.1.A. Will the Owner/Engineer please provide information about any constraints of SAISD, if any?

Response: In accordance with Special Conditions SC-1.1.1.D, “Contractor’s baseline schedule shall incorporate schedules for schools within project limit to perform the work during weekends, holidays, or scheduled school breaks to avoid construction during periods of school. Contact the representative school districts for detailed schedules.” Fenwick Elementary School - (210) 554-2420

Refer to Project Location – Area BA31 plan sheet, Note #7, “The Contractor shall be responsible for coordination with San Antonio ISD (Fenwick Elementary School) on work hours and providing suitable accommodations for school busses, children, and pedestrians.”

6. **Question:** Will the Owner/Engineer please clarify whether collar type end seals are required (e.g. Insignia by LMK)?

Response: Yes, collar type end seals are required for all sewer segments being rehabilitated. Refer to revised version of SAWS Special Provision to Technical Specification 901 Rehabilitation of Sanitary Sewer by Cured-in-Place Pipe (Hot Water or Steamed Cured) attached to this Addendum.

7. **Question:** Some project locations do not have any bypass layout. Will the Owner/Engineer please clarify/provide?

Response: There are selected Project Locations in this design package that require bypass layouts due to TxDOT requirements for obtaining right-of-way permit approval. However, it is the contractor's responsibility to obtain CoSA right-of-way permit, which will require a bypass pumping plan. Contractor shall refer to SAWS Specification Item No. 864-S1, Bypass Pumping, Small Diameter Sanitary Sewers, Section 864.1 DESCRIPTION: "The Contractor shall be responsible for the design of the bypass pumping plan and system. Contractor's bypass pumping system design shall be developed based upon the requirements of the Contract Documents."

In addition, 864.3.2. Submittals: For all projects requiring bypass pumping, the Contractor shall prepare and submit a Bypass Pumping Plan (BPP). The BPP shall be submitted a minimum of two weeks to commencing any portion of the proposed scope of work and shall acknowledge by SAWS prior to beginning Work. The BPP shall be signed and sealed by a professional engineer licensed in the State of Texas (Contractor's Engineer).

8. **Question:** Some project locations do not have any traffic control plans. Will the Owner/Engineer please clarify/provide?

Response: There are selected Project Locations in this design package that require Traffic Control Plans due to TxDOT requirements for obtaining right-of-way permit approval. Contractor shall prepare a TCP for work in CoSA ROW and obtain a ROW permit from CoSA at Contractor's expense.

9. **Question:** Some project locations do not have any traffic control bid schedule line item. Will the Owner/Engineer please clarify/provide?

Response: Project location – Area AZ33 is located within CoSA ROW near Martinez Creek. No significant traffic control items needed to perform work. All other project locations have traffic control bid items.

10. **Question:** We fail to see any indicated bypass route on sheet 59. Will the Owner/Engineer please clarify/provide?

Response: See Question No. 7 response.

11. **Question:** There appear to be quite a few items in the bid where the bid quantity for the item is overstated and does not match the quantities shown on the drawings. For bid items 45-53, 64-70, 72-74, & 77-78, the bid quantities appears to be about 10% higher than the total quantities shown on the drawings for those items. Please resolve this discrepancy and correct the quantities so the bid quantities for these items match the quantities shown on the drawings.

Response: After coordination with TxDOT and SAWS, a 10% contingency was added to several bid items to account for possible deviations in restoration due to point repair locations and limits. Bids should be based on overall quantities provided in the Bid Proposal and Quantities sheets and not on the individual plan sheets.

12. **Question:** In the Statement of Bidder's Experience form, the allowable diameter range for Project A-1 is only 8", and the allowable diameter range for Project A-2 is only 8"-12". We request that the allowable diameter range for both these projects be revised to 8" or larger diameter.

Response: This project consists of small diameter rehabilitation; therefore, the contractor shall submit experience demonstrating construction equivalent to small pipe diameter sizes. According to SAWS specifications, small diameter is defined as 8-inch through 15-inch and will revise the Statement of Bidder's Experience A-1 and A-2 to include up to 15-inch sanitary sewer mains.

13. **Question:** Section SC-1.4 on page SC-3 says the Contractor will be responsible for obtaining right-of-entry (ROE) from affected property owners, but SAWS usually obtains the required ROE's for the project, and several executed ROE's are included in the back of this specification book that have already been obtained. Please clarify whether the Contractor will still need to obtain additional ROE's for this project, and if so, under what circumstances will an ROE need to be obtained by the Contractor?

Response: If the Contractor chooses to utilize alternative access and/or construction staging routes due to means and methods, and additional ROE's not obtained by SAWS are required, it is the Contractor's responsibility to obtain the additional ROE's at his own expense.

14. **Question:** Per section SC-4.0-9 on page SC-6, the specs indicate that it is likely that power pole bracing will be required at several locations on this project. Once notified, will CPS Energy be responsible for bracing these power poles, or will the Contractor be required to perform the bracing for the power poles?

Response: CPS will perform the work and will bill the Contractor for reimbursement.

15. **Question:** The final ROE agreement in the spec book for open cutting of driveway at 915-916 Military Dr. has no attachments or exhibits to the agreement. Should this ROE have these additional documents?

Response: Yes, insert attached Right-of-Entry Exhibit "B" for 915-916 SW Military Dr.



Marcus G. Cantu, P.E.
RPS Infrastructure, Inc.

END OF ADDENDUM 2

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

Attachments:

Bid Packet Checklist
Bid Proposal
Statement of Bidder's Experience
Special Provisions to Technical Specifications
915-916 SW Military Dr. - Appendix "B"
Quantities Plan Sheet 3 of 90

BID PACKET CHECKLIST
Multiple Sewershed Package 11A
SAWS Job No. 18-4525
SAWS Solicitation No. CO-00269

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

- Bid Packet Checklist
- Signed Bid Proposal and Acknowledgement of All Addendums
- Signed Proposal Certification
- Bid Bond/Cashier's Check
- Statement on President's Executive Orders – Page IB – 7
- Completed Good Faith Effort Plan
- 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 Experience Form
- Baseline Schedule
- Project Manager resume – refer to Special Provisions to Technical Specifications
- Superintendent resume – refer to Special Provisions to Technical Specifications

Solicitation No. CO-00269
SAWS Sewer Job No. 18-4525
Multiple Sewershed Package 11A

BID PROPOSAL

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

THE SAN ANTONIO WATER SYSTEM:

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

PLEASE SEE ATTACHED LIST OF BID ITEMS.

BIDDER'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following:
Addendum Nos. _____

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

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **270** 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.	Description	Unit	Qty	Unit Price	Total Price
1	103.1	REMOVE CONCRETE CURB (COSA)	LF	35	\$	\$
2	103.3	REMOVE CONCRETE SIDEWALKS AND DRIVEWAYS (COSA)	SF	396	\$	\$
3	203	TACK COAT (COSA)	GAL	53.8	\$	\$
4	205.2	HOT MIX ASPHALTIC CONCRETE PAVEMENT, TYPE B (10" COMPACTED DEPTH) (COSA)	SY	42.1	\$	\$
5	205.4	HOT MIX ASPHALTIC CONCRETE PAVEMENT, TYPE D (2" COMPACTED DEPTH) (COSA)	SY	536	\$	\$
6	208.1	SALVAGING HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA)	SY	498	\$	\$
7	413.1	FLOWABLE FILL (COSA)	CY	2.2	\$	\$
8	500.1	CONCRETE CURB (COSA)	LF	35	\$	\$
9	502.1	CONCRETE SIDEWALKS (COSA)	SY	19	\$	\$
10	503.1	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA)	SY	25	\$	\$
11	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA) PROJECT LOCATION - AU17	EA	1	\$	\$
12	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA) PROJECT LOCATION - BA31	EA	1	\$	\$
13	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA) PROJECT LOCATION - BK30	EA	1	\$	\$
14	530.2	ELECTRONIC MESSAGE BOARD (COSA)	EA	2	\$	\$
15	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	882	\$	\$
16	851	ADJUSTING EXISTING MANHOLES	EA	33	\$	\$
17	852	SANITARY SEWER MANHOLES (0-6' DEPTH) (4' DIA)	EA	5	\$	\$
18	852	SANITARY SEWER MANHOLES (0-6'DEPTH) (4'DIA) (DOGHOUSE)	EA	1	\$	\$
19	852	EXTRA DEPTH MANHOLES (>6') (4'DIA)	VF	5.7	\$	\$
20	855	RECONSTRUCTION OF EXISTING MANHOLES	EA	4	\$	\$
21	862	GROUT ABANDON - SANITARY SEWER MAIN (8-INCH)	LF	598	\$	\$
22	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - AT41	EA	1	\$	\$
23	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - AU17	EA	1	\$	\$
24	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - AU40	EA	1	\$	\$
25	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - AZ33	EA	1	\$	\$
26	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - BA31	EA	1	\$	\$
27	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - BK30	EA	1	\$	\$
28	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - BL32	EA	1	\$	\$
29	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - BR28	EA	1	\$	\$
30	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - BR32	EA	1	\$	\$
31	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION - BR33	EA	1	\$	\$

Item No.	Spec No.	Description	Unit	Qty	Unit Price	Total Price
32	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION – BR34	EA	1	\$	\$
33	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION – BR37	EA	1	\$	\$
34	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) PROJECT LOCATION – BS37	EA	1	\$	\$
35	864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWER) PROJECT LOCATION – AZ33	EA	1	\$	\$
36	864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWER) PROJECT LOCATION – BR28	EA	1	\$	\$
37	866	SEWER MAIN TELEVISION INSPECTION (8" THRU 15" DIA)	LF	8174	\$	\$
38	901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER CURED) 8 IN	LF	7472	\$	\$
39	901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER CURED) 10 IN	LF	104	\$	\$
40	910	MANHOLE REHABILITATION	VF	242.1	\$	\$
41	1103.1	POINT REPAIRS FOR 6" THRU 10" DIAMETER, (ALL DEPTHS) INCLUDING UP TO 20 LF OF PIPING	EA	43	\$	\$
42	1103.2	EXTRA LENGTH POINT REPAIR, 6" THRU 10" DIAMETER, ALL DEPTHS	LF	231	\$	\$
43	1103.4	OBSTRUCTION REMOVAL BY REMOTE CONTROL, 6" THRU 10" DIAMETER, ALL DEPTHS	EA	27	\$	\$
44	1109.1	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	86	\$	\$
45	104	REMOVING CONC (DRIVEWAYS) (TXDOT)	SY	697	\$	\$
46	104	REMOVING CONC (CURB) (TXDOT)	LF	149	\$	\$
47	104	REMOVING CONC (SIDEWALK OR RAMP) (TXDOT)	SY	288	\$	\$
48	104	REMOVING CONC PAVEMENT (10" THICK) (TXDOT)	SY	24.5	\$	\$
49	305	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (TXDOT)	SY	3879	\$	\$
50	340	D-GR HMA (SQ) TY-B PG 64-22 (TXDOT)	TON	114.6	\$	\$
51	340	D-GR HMA (SQ) TY-D SAC- B PG 70-22 (TXDOT)	TON	493.6	\$	\$
52	361	REPAIR OF CONC PAVEMENT (FULL DEPTH) (10" THICK) (TXDOT)	SY	24.5	\$	\$
53	401	FLOWABLE BACKFILL (TXDOT)	CY	394.1	\$	\$
54	502	BARRICADES, SIGNS, AND TRAFFIC HANDLING PROJECT LOCATION - AT41	EA	1	\$	\$
55	502	BARRICADES, SIGNS, AND TRAFFIC HANDLING PROJECT LOCATION - AU40	EA	1	\$	\$
56	502	BARRICADES, SIGNS, AND TRAFFIC HANDLING PROJECT LOCATION - BL32	EA	1	\$	\$
57	502	BARRICADES, SIGNS, AND TRAFFIC HANDLING PROJECT LOCATION - BR28	EA	1	\$	\$
58	502	BARRICADES, SIGNS, AND TRAFFIC HANDLING PROJECT LOCATION - BR32	EA	1	\$	\$
59	502	BARRICADES, SIGNS, AND TRAFFIC HANDLING PROJECT LOCATION - BR33	EA	1	\$	\$
60	502	BARRICADES, SIGNS, AND TRAFFIC HANDLING PROJECT LOCATION - BR34	EA	1	\$	\$
61	502	BARRICADES, SIGNS, AND TRAFFIC HANDLING PROJECT LOCATION - BR37	EA	1	\$	\$
62	502	BARRICADES, SIGNS, AND TRAFFIC HANDLING PROJECT LOCATION - BS37	EA	1	\$	\$

Item No.	Spec No.	Description	Unit	Qty	Unit Price	Total Price
63	502	OFF DUTY POLICE OFFICER	HR	160	\$	\$
64	529	CONC CURB (TY II) (TXDOT)	LF	44	\$	\$
65	529	CONC CURB (TYC1) (TXDOT)	LF	105	\$	\$
66	530	DRIVEWAYS (CONC) (TXDOT)	SY	697	\$	\$
67	531	CONC SIDEWALKS (4") (TXDOT)	SY	209	\$	\$
68	531	CURB RAMPS (ALL TYPES) (TXDOT)	SY	79	\$	\$
69	540	MTL W - BEAM GD FEN (TIM POST)	LF	28	\$	\$
70	542	REMOVE METAL BEAM GUARD FENCE	LF	28	\$	\$
71	545	CRASH CUSH ATTEN (MOVE & RESET)	EA	1	\$	\$
72	666	REFL PAV MRK TY I (W) 4" (SLD)(100MIL) (TXDOT)	LF	561	\$	\$
73	666	REFL PAV MRK TY I (Y) 4" (SLD)(100MIL) (TXDOT)	LF	770	\$	\$
74	666	REFL PAV MRK TY I (W) 24" (SLD) (100MIL) (TXDOT)	LF	858	\$	\$
75	666	REFL PAV MRK TY I (W) (ARROW)(100MIL) (TXDOT)	EA	4	\$	\$
76	666	REFL PAV MRK TY I (W) (WORD)(100MIL) (TXDOT)	EA	4	\$	\$
77	672	REFL PAV MRKR TY I-C	EA	53	\$	\$
78	672	REFL PAV MRKR TY II-AA	EA	18	\$	\$
79	SS 6001	PORTABLE CHANGEABLE MEASSAGE SIGN	EA	18	\$	\$
SUBTOTAL (ITEMS 1 - 79)					\$	

Item No.	Spec No.	Description	Unit	Qty	Unit Price	Total Price
80	100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEMS 1-79	LS	1	\$	\$
81	101	PREPARATION OF RIGHT - OF - WAY, MAX 5% OF LINE ITEMS 1-79	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 preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.**

TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1 - 81)	\$
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STATEMENT OF BIDDER'S EXPERIENCE
Multiple Sewershed Package 11A, SAWS Job No. 18-4525
SAWS Solicitation No. CO-00269

A. Please complete all the fields below.

Bidder must answer all questions completely and all information must be clear, accurate and comprehensive.

If all fields are not completed, the Bid is at risk for being rejected due to non-responsiveness. It is not acceptable to indicate "See attached".

- CIPP Installer's Project Manager has a minimum of five (5) years of CIPP installation experience.
- CIPP Installer's Project Manager's resume is attached. Reference Special Provisions to Technical Specifications for requirements.
- CIPP Installer's Superintendent has a minimum of five (5) years of CIPP installation experience.
- CIPP Installer's Superintendent's resume is attached. Reference Special Provisions to Technical Specifications for requirements.

Project A-1 is to have been completed by the Bidder.

- Project A-1 demonstrates construction of a minimum of 1,500 LF by CIPP construction for 8-inch through 15-inch sanitary sewer mains within TxDOT right-of-way.
- Project A-1 shall have been completed between 2014 and 2019.
- Project A-1 shall not be the same project as what is listed for Project A-2.

Project A-1 Description

Name of Project: _____ Location: _____

Scope of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

*Owner: _____

Owner Point of Contact (POC): _____ Owner POC Title: _____

Owner POC Phone Number: _____ Bid Amount: _____

Final Contract Amount: _____

Project Start Date: _____ Project End Date: _____

Additional Information: _____

*Owner is defined as entity the Bidder performed work for (i.e. City, County, Utility, State, etc.)

Bidder must provide a specific name with contact information that has been previously verified. The design engineer may not serve as reference for the Bidder.

Project A-2 is to have been completed by the Bidder.

- Project A-2 demonstrates construction of a minimum of 1,500 LF by CIPP construction for 8-inch through 15-inch sanitary sewer mains within residential areas.
- Project A-2 shall have been completed between 2014 and 2019.
- Project A-2 shall not be the same project as what is listed for Project A-1.

Project A-2 Description

Name of Project: _____ Location: _____

Scope of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

*Owner: _____

Owner Point of Contact (POC): _____ Owner POC Title: _____

Owner POC Phone Number: _____ Bid Amount: _____

Final Contract Amount: _____

Project Start Date: _____ Project End Date: _____

Additional Information: _____

*Owner is defined as entity the Bidder performed work for (i.e. City, County, Utility, State, etc.)

Bidder must provide a specific name with contact information that has been previously verified. The design engineer may not serve as reference for the Bidder.

Special Provisions to Technical Specifications

A. **Special Provision to TxDOT Standard Specification Item No. 502 Barricades, Signs, and Traffic Handling**

1. DESCRIPTION: ADD the following:

This item shall also govern for barricades and signs on City of San Antonio Right-of-Way

(ROW). Contractor shall comply with COSA ROW permit.

2. MEASUREMENT: DELETE this section in its entirety and **REPLACE** with the following:

This item will be measured per each Project Location as indicated on the plans.

3. PAYMENT: DELETE this section in its entirety and **REPLACE** with the following:

This item will be paid for all the unit price per Project Location for “barricades, signs and traffic handling”. This price should be full compensation for furnishing all labor, materials, supplies, signs, equipment, and incidentals necessary to complete the work as specified. Failure to complete the work within the time allowed in the project contract due to approving designs, testing, material shortages, closed construction season, curing periods, and testing periods will not qualify for additional compensation. When additional work is added by an approved field alteration or when work is suspended for the convenience of the Owner, through no faults of the contractor, additional compensation may be paid to the Contractor.

The unit bid price for each project location will be prorated based upon the work days for each project location in the Contractor’s baseline schedule.

Portable Electronic Message Board signs shown in the plans shall be measured and paid separately per each unit requested by the Inspector. Usage for less than one full month shall be prorated based on the unit price bid.

Item 502.1 – Barricades, Signs and Traffic Handling (per location)

Item 502.2 – Electronic Message Board (per each Project Location)

All other language in this specification 502 remains in full force.

B. Special Provision to CoSA Item No. 515 Topsoil

Under 515.5. Measurement: Delete this section in its entirety and **Replace** with the following:

There will be no measurement for Topsoil associated with post construction site restoration. Item shall be incidental to other bid items in the contract and will not be measured separately.

Under 515.6. Payment: Delete this section in its entirety and **Replace** with the following:

There will be no payment for Topsoil associated with post construction site restoration of the access routes and work areas. Item payment shall be incidental to other bid items in the contract and will not be paid for separately.

C. Special Provision to CoSA Item No. 516 Bermuda Sodding

Under 516.5. Measurement: Delete this section in its entirety and **Replace** with the following:

There will be no measurement for Bermuda Sodding associated with post construction site restoration. Item shall be incidental to other bid items in the contract and will not be measured separately.

Under 516.6. Payment: Delete this section in its entirety and **Replace** with the following:

There will be no payment for Bermuda Sodding associated with post construction site restoration of the access routes and work areas. Item payment shall be incidental to other bid items in the contract and will not be paid for separately.

D. Special Provision to CoSA Item No. 520 Hydromulching

Under 520.5. Measurement: Delete this section in its entirety and **Replace** with the following:

There will be no measurement for Hydromulching associated with post construction site restoration. Item shall be incidental to other bid items in the contract and will not be measured separately.

Under 520.6. Payment: Delete this section in its entirety and **Replace** with the following:

There will be no payment for Hydromulching associated with post construction site restoration of the access routes and work areas. Item payment shall be incidental to other bid items in the contract and will not be paid for separately.

E. Special Provision to CoSA Item No. 530 Barricades, Signs, and Traffic Handling

Under 530.6. Payment: Delete this section in its entirety and **Replace** with the following:

This item will be paid for at the contract “per each” Project Location price bid for “barricades, signs, and traffic handling”. This price shall be full compensation for furnishing all labor, materials, supplies, signs, equipment and incidentals necessary to complete the work specified. Failure to complete the work within the time allowed in the project contract due to approving designs, testing, material shortages, closed construction season, curing periods, and testing periods will not qualify for additional compensation. When additional work is added by an approved field alteration or when work is suspended for the convenience of the Owner, through no fault of the contractor, additional compensation may be paid to the Contractor.

Portable Electronic Message Board signs shown in the plans shall be measured and paid separately per each unit requested by the Inspector. Usage for less than one full month shall be prorated based on the unit price bid.

Under 530.7. Bid Items: Delete this section in its entirety and **Replace** with the following:

Item 530.1 – Barricades, Signs, and Traffic Handling – (“Per Each” Project Location)
Item 502.2 – Extra Portable Electronic Message Board per SS6001 (per each Project Location)

F. Special Provision to Item No. 540 Storm Water Pollution Prevention Plan

Item No. 540 “Storm Water Pollution Prevention Plan” is hereby amended with respect to the clauses cited below and no other clauses or requirements of this item are waived or changed hereby.

Under 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.

Revise the following:

Under 540.4 Measurement:

This item is not measured and is considered incidental to other bid items but shall include installation and maintenance of control measures necessary to prevent and control soil erosion, sedimentation and water pollution as necessary to comply with this item of work.

Under 540.5 Payment:

There will be no payment for Storm Water Pollution Prevention Plan and is considered incidental to other bid items. This price shall be full compensation for furnishing and installing all labor, materials, supplies, equipment and incidentals necessary to complete this item of work as well as preparation of Texas Professional Engineer signed and sealed storm water pollution prevention plan.

G. Revision to SAWS Standard Specification Item No. 862 Abandonment of Sanitary Sewer Mains and Manholes

862.1 DESCRIPTION: DELETE this paragraph in its entirety and **REPLACE** with the Following:

DESCRIPTION: This item shall govern the abandonment of sanitary sewer mains and manholes specified in the contract documents. Sewer mains and manholes to be abandoned and shall be filled with a cementitious low strength material. The sanitary sewer facility shall be abandoned in accordance with the specifications outlined herein and in conformity with the limits shown in the contract documents.

Abandoning of sanitary sewer lines and manholes shall not occur until all existing sanitary sewer services have been transferred to another line and directed by the Inspector.

All other language in this specification 862 remains in full force.

H. Special Provision to Item No. 864-S1 Bypass Pumping Small Diameter Sanitary Sewers

864.7 Measurement and Payment: Delete this section in its entirety and **Replace** with the following:

Measurement for the work specified herein will be by “Per Each” Project Location and as required by the contract documents. Payment of the “Each” bid for Bypass Pumping shall be in accordance with the following: Any effort required for multiple set-ups and operations shall be included in the Each price.

1. When initial set-up and operation of the bypass pumping system begins (including a successful test), 20% of the “Each” cost will be paid as applicable to the bypass system

used; stationary bypass pumping or pump and haul bypass systems.

2. 60% of the “Each” cost will be paid over equal monthly payments (estimated from the BPP or other documentation approved by the Inspector) during the course of the bypass pumping operation as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.
3. 20% of the remaining “Each” cost will be paid upon an acceptable removal and/or disassembly of all components of the BPP, including site cleanup as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.
4. For multi-bypass pumping setups, payment will be proportional to the overall amount of the established bid line item.
5. Measurement of the work for pipe plugs shall be incidental to the work and will not have a separate pay item.
6. Measurement of the work for burying bypass piping, installing flowable fill, temporary pavement, removing buried bypass piping and flowable fill, permanent flowable fill, pavement restoration (including striping) shall be incidental to the work and will not have a separate pay item.

Any damages, repairs, etc., to private or public property will not be considered for any additional payment.

All other language in this specification 864-S1 remains in full force.

I. Special Provision to Item No. 864-S2 Bypass Pumping Large Diameter Sanitary Sewers

864.7 Measurement and Payment: Delete this section in its entirety and **Replace** with the following:

1. Measurement for the work specified herein will be by “Per Each” Project Location and as required by the contract documents. Payment of the “Each” bid for Bypass Pumping shall be in accordance with the following: Any effort required for multiple set-ups and operations shall be included in the Each price.
2. When initial set-up and operation of the bypass pumping system begins (including a successful test), 20% of the “Each” price cost will be paid as applicable to stationary bypass pumping to include flow diversion if used.
3. 60% of the “Each” cost will be paid over equal monthly payments (estimated from the BPP or other documentation approved by the Inspector) during the course of the bypass pumping operation as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.
4. 20% of the remaining “Each” cost will be paid upon an acceptable removal and/or

disassembly of all components of the BPP, including site cleanup as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.

5. For multi-bypass pumping setups, payment will be proportional to the overall amount of the established bid line item.
6. Any damages, repairs, etc., to private or public property will not be considered for any additional payment.
7. Measurement of the work for pipe plugs shall be incidental to the work and will not have a separate pay item.
8. Measurement of the work for burying bypass piping, installing flowable fill, temporary pavement, removing buried bypass piping and flowable fill, permanent flowable fill, pavement restoration (including striping) shall be incidental to the work and will not have a separate pay item.

All other language in this specification 864-S1 remains in full force.

J. Special Provision to Item No. 866 Sewer Main Television Inspection

Item No. 866 “Sewer Main Television Inspection” is hereby amended with respect to the clauses cited below and no other clauses or requirements of this item are waived or changed hereby.

Revise the following:

866.1 Description: Delete this section in its entirety and **Replace** with the following:

The Contractor shall furnish all labor, materials, equipment, and incidentals to provide the closed-circuit televising. All inspections shall be in accordance with NASSCO PACP requirements and a NASSCO PACP database shall be submitted. All digital video files shall be color, closed-circuit TV in MPEG-1 format. The video shall include an inclinometer, visible on the video being viewed, noting the slope of the main being televised. The contractor shall provide all inspection data of mains and manholes written to a single storage device.

General Clarification: All references to DVD should be replaced with a single data storage device.

866.2 General: Delete this section in its entirety and **Replace** with the following:

Before construction of the sanitary sewer main, the main shall be televised to locate laterals, observe existing conditions and immediately upon cleaning or clearing existing main. The Contractor shall furnish all labor, equipment, appliances, and materials necessary for cleaning the sewer system including the removal of all debris, solids, sand, grease, grit, etc. from the sewer and manholes to facilitate television inspection. Televising shall be observed by the Inspector or Engineer and contractor as the camera is run through the system and shall be in accordance with

NASSCO PACP guidelines. No additional compensation shall be provided for cleaning, clearing or re-televising.

After construction of the sanitary sewer main and prior to placement of the final course of asphalt or other final surfaces, the newly constructed sanitary sewer shall be televised immediately upon cleaning. Televising shall be observed by the Inspector or Engineer, and contractor as the camera is run through the system. Any abnormalities such as, but not limited to, misaligned joints, cracked/defected pipe, rolled gaskets, shall be repaired by the contractor solely at his expense. Sections requiring repair shall be re-televised to verify condition of repair. No additional compensation shall be provided for all needed repairs, re-cleaning, or re-televising efforts.

866.3 Execution: Delete this section in its entirety and **Replace** with the following:

The television unit shall also have the capability of displaying in color, on videos, pipe inspection observations such as pipe defects, sags, points of root intrusion, offset joints, service connection locations, and any other relevant physical attributes. Each video shall be permanently labeled at the beginning of the video with the following:

1. Project name/ SAWS Job #/ Work Order #
2. Date of television inspection:
3. Manhole UNITIDs (as labeled on plans) and size of sanitary sewer;
4. Street/ easement location;
5. Name of Contractor;

Each video shall be submitted with the following information:

1. Project name/ SAWS Job #/ Work Order #
2. Date of television inspection:
3. Manhole UNITIDs (as labeled on plans and size of sanitary sewer;
4. Name of Contractor;
5. Name of Contractor;
6. Date video submitted;
7. Data storage device number;
8. SAWS Inspector Name.

All other language in this specification 866 remains in full force.

K. Special Provision to Item No. 901 Rehabilitation of Sanitary Sewer by Cured-in-Place Pipe (Hot Water or Steam Cured)

Under 901.1 Description: Delete this section in its entirety and **Replace** with the following:

This specification includes requirements to rehabilitate existing sanitary sewers by installation of a resin-impregnated flexible tube, which is formed to the original conduit. The liner is inserted via an existing manhole or other access. The lining shall be installed using the following insertion method:

1. Water inversion- where the lining is inverted under the pressure of water and cured by circulating hot water.

Under 901.3.4 Submittals: Add the following:

4. Design calculations shall be identified by manhole numbers and segment identifies included in the plans.

Under 901.3.6 Submittals: Add the following:

6. Map shall provide sufficient detail to indicate which pipe segments will be installed from each insertion location. Map shall also show any locations for field wet-out (“over the hole”) insertion locations. Indicate source of water and pipeline route for each segment cured by hot water. Indicate location for any site built towers or other temporary structures needed to obtain sufficient pressure head for liner installation.

Under 901.4.1 Materials: Add the following:

- i. Hydrophilic End Seal Sleeves are required at each end of the pipe segment to be rehabilitated. LMK Technologies “Insignia” Hydrophilic end seal sleeve or Engineer approved equal shall be used.

Under 901.4.3.e.6 Materials: Delete this section in its entirety and **Replace** with the following:

7. Soil Modulus: 500 psi. Contractor may submit calculations signed and sealed by a Texas Professional Engineer utilizing other values for soil modulus so long as those values are part of the sealed calculations, and the calculation method complies with ASTM F1216. Allowable soil modulus shall not exceed 1,000 psi.

Under 901.4.3.e.7 Materials: Delete this section in its entirety and **Replace** with the following:

8. Groundwater depth shall be assumed at ground surface.

Under 901.4.4 Materials: Delete this section in its entirety and **Replace** with the following:

4. Acceptable Manufacturer
 - a. CIPP product must meet all requirements set forth in this Specification Item No. 901.

Under 901.5.1.a Construction: Delete this section in its entirety and **Replace** with the following:

1. Installer Qualification Requirements
 - a. Installation of the CIPP products shall be performed by a work force that is experienced and certified in installation of the products. The installer shall be certified by the CIPP product manufacturer to have been trained and approved in the installation of their CIPP products and have a minimum of five (5) years total experience with the product.

- b. Contractor shall also submit to Owner at least three (3) recent references of the CIPP installer, indicating successful installation of proposed hot water cured CIPP on projects of at least 1,500 linear feet of 8” or larger pipe. References shall include date completed, bid amount, final contract amount (including change orders), and reference contact information (owner, contract name, title, and phone number).
- c. CIPP installer’s project manager shall have a minimum of five (5) years of CIPP installation experience and must be on-site during the installation of the CIPP products. Experience shall be documented to the Owner’s satisfaction in the form of a resume of work experience detailing scope of work (linear footage and pipe diameters), location of work, and reference contact information (owner, contact name, title, and phone number).
- d. Installer’s superintendent shall have a minimum of five (5) years of CIPP installation experience and must be on-site during the installation of the CIPP products. Experience shall be documented to the Owner’s satisfaction in the form of a resume of work experience detailing scope of work (linear footage and pipe diameters), location of work, and reference contact information (owner, contact name, title, and phone number).

All other language in this specification 901 remains in full force.

L. Revision to Standard Specification Item No. 1103 Point Repairs and Obstruction Removals

1103.3 Construction: Item 2b. Obstruction removal by excavation: **Delete** this item in its entirety and **Replace** with the following:

- b. Obstruction removal by excavation: Obstructions encountered during liner insertion or pipeline main rehabilitation method that are removed by digging and exposing the damaged section of main, sags, high points, hanging gasket or to handle any identified voids around the pipeline main segment. Voids are defined as the absence of pipeline (crown, wall, invert) and backfill (initial or secondary) above or around the pipeline, which may result in collapses or cave-ins.

1103.3 Construction: Item 10. Obstruction Removal: **Delete** these items d., e., and f. in their entirety and **Replace** with the following:

- d. Use excavation as the method of obstruction removal or addressing voids when rehabilitation of the sanitary sewer main is in progress.

If during rehabilitation work and operations, a collapsed sewer, voids, offset joint, sags, high points, hanging gasket or other obstruction is encountered which prevents or blocks the passage of the rehabilitation method, notify the Inspector for authorization to excavate. Please note hanging gasket are incidental to cleaning.

- e. Excavate at the point where there is an obstruction or void. Use a trench safety system as specified in Item No. 550, "Trench excavation Safety Protection." Backfilling and compaction shall be as specified in Item 804, "Excavation, Trenching and Backfill."
- f. Break out the existing sanitary sewer pipe (carrier pipe) as directed by the Inspector. Remove only that amount of material which is causing the obstruction. Remove the minimum amount of carrier pipe. Where sag or high point is identified, remove the existing carrier pipe and adjust the sanitary sewer bedding to the grade of the carrier pipe.

1103.4 Measurement and Payment: Item 1b. Unit Prices - Point Repairs: **Delete** this item in its entirety and **Replace** with the following:

- b. 20 feet minimum length.

1103.4.2.b Measurement and Payment: Item 2b. Unit Prices – Obstruction Removal: **Delete** this item in its entirety and **Replace** with the following:

- 2.b. *Obstruction removal by remote device will be paid on a unit price basis per pipe segment. A pipe segment is defined as the pipe between adjacent manholes. This item should include removal of all obstructions within the affected pipe segment.*

All other language in this specification 1103 remains in full force.

M. Revision to SAWS Standard Specification Item No. 1109 Sanitary Sewer Lateral Stub Outs or Reconnections

1109.3.1 CONSTRUCTION: DELETE this section in its entirety and **REPLACE** with the Following:

1. Performance Requirements
 - a. Provide a minimum of 72 hours' notice to customers whose sanitary sewer service will potentially be interrupted.
 - b. Accurately field locate service connections, whether in the service or not, along the new, repaired, or rehabilitated sanitary sewer main. For parallel and replacement sewers, service connections may be located as pipe laying progresses from the downstream, to the upstream direction.
 - c. Properly disconnect existing connections from the sewer main and reconnect to the rehabilitated section of main, as described in this section.
 - d. Reconnect service connections, including those that go to unoccupied or abandoned buildings or to vacant lots, unless directed otherwise by the Inspector.
 - e. Complete reconnection of service lines within 24 hours after disconnection due to slip-

lining, parallel, or replacement of sanitary sewer mains.

- f. The Inspector reserves the right to require service connections by excavation when a remote cut service connection damages the main or laterals.
- g. Reconnection by the excavation method shall include the stack and fittings and required pipe length to reconnect service line.

All other language in this specification 1109 remains in full force

N. Special Provision to Item No. 1114 (Pre-Construction Video)

1114.3 Execution: Delete this section in its entirety and **Replace** with the following:

Prior to beginning the project, the contractor shall submit two copies for the complete DVD for the entire project prior to submission of request for mobilization for review and approval. Failure to submit DVD will result in denial of any request for payment under the Mobilization line item or Preparation of Right-of-Way.



June 11, 2019

Agreement for Open Cutting of Driveway

Re: 1015 SW Military Dr.
San Antonio, TX 78221
N.C.B. 8948 BLK 24 Lot 31 H & E Subdivision

Dear Landowner:

The San Antonio Water System (SAWS) is repairing sewer mains near your property as part of its Multiple Sewershed Package 11A Project. As a result of this construction, our contractor will be installing a temporary pipeline across your curb-front driveway in the street right of way. For the duration of the sewer main repairs your driveway will continue to be accessible.

SAWS will place rolled asphaltic base over the driveway cut and will maintain the driveway for the duration of the project. Following completion of the project, SAWS will restore the driveway to equal or better its current condition.

915 – 916 SW Military Dr. (collectively, "Owner") consents to open cutting of its driveway.

SAN ANTONIO WATER SYSTEM



Project Engineer

Owner:
915 – 916 SW Military Dr.

By: 

Printed Name: ROBERT DONATHEN

Title: MANAGING PARTNER

Phone: 210 673 5575

EXHIBIT "B"

915-916 SW Military Dr
BCAD ID 426417

Sewer main to be rehabilitated using cured-in-place pipe

Suggested bypass pumping plan







Work Area

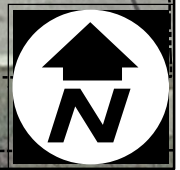
Access Route

SW MILITARY DR (LOOP 13)

915-916 SW Military Dr

Legend

-  Access Route
-  Work Area
-  Suggested bypass route
-  Existing 16' alley
-  Property Line
-  Sewer main to be rehabilitated



Path: T:\007715 WO1-Multiple Sewershed Pkg 11106.00 Work Products\011 ROE\MXDKFA ROE\S\KFA DRIVEWAY ROES\MS\SP11 A BR34 PROP ID 426417.mxd

DESCRIPTION	100	101	103.1	103.3	203	205.2	205.4	208.1	413.1	500.1	502.1	503.1	530.1	530.2	550	851	852	852	852
	MOBILIZATION AND DEMOBILIZATION, MAX 5%	PREPARATION OF RIGHT-OF-WAY, MAX 10%	REMOVE CONCRETE CURB (COSA)	REMOVE CONCRETE SIDEWALKS AND DRIVEWAYS (COSA)	TACK COAT (COSA)	HOT MIX ASPHALTIC CONCRETE PAVEMENT, TYPE B (10" COMPACTED DEPTH) (COSA)	HOT MIX ASPHALTIC CONCRETE PAVEMENT, TYPE D (2" COMPACTED DEPTH) (COSA)	SALVAGING HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA)	FLOWABLE FILL (COSA)	CONCRETE CURB (COSA)	CONCRETE SIDEWALKS (COSA)	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA)	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA)	ELECTRONIC MESSAGE BOARD (COSA)	TRENCH EXCAVATION SAFETY PROTECTION	ADJUSTING EXISTING MANHOLES	SANITARY SEWER MANHOLES (0-6' DEPTH) (4' DIA)	SANITARY SEWER MANHOLES (0-6' DEPTH) (4' DIA) (DOGHOUSE)	EXTRA DEPTH MANHOLES (>6') (4' DIA)
	LS	LS	LF	SF	GAL	SY	SY	SY	CY	LF	SY	SY	EA	EA	LF	EA	EA	EA	VF
PLAN SHEET																			
8	1	1													20	2			
11													1	2		1			
12															40	3			
15																	1	5.0	
17			35	396	3.0	23.0	28		2.2	35	19	25	1		78	2			
18																			
19					1.0	8.0	10						1		20				
20															60	1			
21															40	2			
24															131	4			
29															9	2			
30															74				
31																2			
38															27	2			
39															27	1			
40															35	1			
41															26	2			
42															69	2			
43															199	2			
44																2			
53																			
54																	1		0.7
58					49.8	11.1	498	498							27	2			
TOTAL	1	1	35	396	53.8	42.1	536	498	2.2	35	19	25	3	2	882	33	5	1	5.7

2

Marcus A. Cantu, P.E.



REVISION	DATE	DESCRIPTION	BY
Texas PE Firm Reg. #F-929 4801 NW Loop 410, Suite 910, San Antonio, Texas 78229 T +1 210 736 0425 E usinfrastructure@rpsgroup.com			
MULTIPLE SEWERSHED PACKAGE 11A		QUANTITIES	
DEVELOPER:			
CONT.		BUDGET PROJ.	
SUBMITTED _____			
APPROVED _____			
MAP NO. _____			SHEET
SECT. NO. _____			3 OF 90
DR. AJS	CK. MGC	JOB NO. 18-4525	

2 ADDENDUM 2 (10-16-2019) - UPDATED TOTAL QUANTITY OF ITEM NO. 852 - SANITARY SEWER MANHOLES (0-6' DEPTH) (4' DIA) TO 5 EA.

10/16/2019 6:58:03 PM T:\007715\W01-Multiple Sewershed Pkg. 11\07.00 CADD\7715 MSP\1102-1 General\CIPP_007715_QTY1.dgn