



**2022 UNSPECIFIED WATER AND SEWER  
CONSTRUCTION WORK ORDER CONTRACT**

**Solicitation No. CO-00584**

**Job No. 22-4008 Water**

**Job No. 22-4513 Sewer**

**ADDENDUM NO. 3**

**August 16, 2022**

To Bidder of Record:

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

**RESPONSES TO QUESTIONS**

1. **Question** - Will the appropriate bid items be added for Barricades on a per site basis for all proposed sewer sites?  
**Response:** Bid Items have been added with this addendum. See #2 of Changes to Specifications.
2. **Question** - Will the appropriate bid items be added for Barricades on a per site basis for all proposed water sites?  
**Response:** Bid Items have been added with this addendum. See #2 of Changes to Specifications.
3. **Question** - Bid item 54 on the sewer portion, Pole Bracing does not have a dollar amount to use for the allowance. Will this dollar amount be added?  
**Response:** A Dollar amount has been added with this addendum. See #2 of Changes to Specifications.
4. **Question** - Are any of the proposed sites located in Alley Ways? If yes, can more information be given (width of the Alleys, existing utilities, power pole etc.)  
**Response:** Proposed sites could be in alleys. No information is known about any alley at this time. Projects could be in streets, alleys or parkways.
5. **Question** - Will the appropriate bid item be added for Mobilization and Preparation of ROW for all sewer and water sites?  
**Response:** A bid item for mobilization or preparation of ROW will not be added for standard work orders. All cost for mobilization or preparation of ROW for standard work orders shall be included in the bid items and unit prices provided on the bid schedule. There will be a mobilization/preparation of ROW item for Urgent Work Orders.
6. **Question** - Can the pay depths for the sewer lines be modified to the following?  
0-6 ft deep  
6-10 ft deep  
10-14 ft deep

Without plans the current pay depths forces the contractor to bid sewer lines 13 ft deep the same price as 7 ft deep as there is no way to differentiate in the bid proposal.

**Response:** Revised pay depths have been added with this addendum.

7. **Question** -Is there any flow information available for the 12 each by-pass pumping bid items?

**Response:** There is no flow information available.

Please see Specification 865 for Bypass Pumping Small Diameter Sanitary Sewer Mains for sizing of bypass pumping.

8. **Question** -Without plans the contractor cannot accurately establish a cost for COSA ROW fees. Will SAWS add a bid item establishing an allowance for that?

**Response:** No Allowance will be added. All costs for COSA ROW fees shall be included in the bid items and unit prices provided on the bid schedule.

9. **Question** -SAWS is mandating the contractor commit two crews for a year to this project. Will SAWS commit to issuing enough work orders to keep these two crews busy? In the past the work orders have been few and far between and our crews idle most of the time.

**Response:** SAWS is revising the requirement and only requiring that sufficient crews be available. See #3b and 4c of changes to specifications.

10. **Question** -Will SAWS increase the maximum dollar allowed for bid item 108 Bonds & Insurance to 10% of the total bid package? This would allow some of SAWS insurance requirements to be included with the bonds.

**Response:** No, SAWS is capping this at 2% as specified in the original bid documents.

11. **Question** - By-Pass Scope for un-defined sewer job (project without plans) could not be adequately defined through Lumps Sum. Following scope items should be included in Contract break-down:

- |                                             |                   |
|---------------------------------------------|-------------------|
| a. 1.1 By-Pass for Pumping Equipment.       | Unit Measure. DAY |
| b. 1.2 By-Pass for Pumping Fuel.            | Unit Measure. DAY |
| c. 1.3 By-Pass for Pumping Personnel/Watch. | Unit Measure. DAY |

**Response:** Bypass items have been included within the bid proposal revised with this addendum. See #2 of Changes to the Specifications.

12. **Question** - To properly reflect on Traffic Conditions in TXDOT Area following scope items should be added in Contract break-down.

- |                                                       |                   |
|-------------------------------------------------------|-------------------|
| a. 2.1 Truck Mounted Attenuator & Trailer Attenuator. | Unit Measure. DAY |
| b. 2.2 Message Board.                                 | Unit Measure. DAY |
| c. 2.3 Arrow Boards.                                  | Unit Measure. DAY |

**Response:** A message board bid item has been added to the bid proposal with this addendum. See #2 of Changes to Specifications.

13. **Question** - If undefined work order will experience abrupt stoppage following scope item should be included in Contract break-down.

- |                                  |                  |
|----------------------------------|------------------|
| a. Demob/Remob for Work Stoppage | Unit Measure. EA |
|----------------------------------|------------------|

**Response:** Demobilization/ Remobilization bid items have been added to the bid proposal with this addendum. See # 2 of Changes to Specifications.

14. **Question** - Requirement to have 2ea Utility Crew with Equipment on standby without Guarantees from SAWS on average monthly workload is not sustainable.

**Response:** This requirement will not be required and SAWS will only require sufficient crews to be available. See # 3b and #4c of Changes to Specifications.

15. **Question** - What maximum time is allowed for Contractor to commence work on Work Order after direction to proceed?

**Response:** This is to be negotiated for each work order but is 48 hours for the urgent work orders.

<b>CHANGES TO THE SPECIFICATIONS</b>
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**1. Remove Bid Packet Checklist in its entirety and replace with the revised version attached to this Addendum.**

**2. Remove the Bid Proposal in its entirety and replace with the revised version attached to this Addendum. Bidders shall use this version when submitting a bid for this project. Failure to use the revised version may result in a Bidder being found non-responsive.**

**3. Supplemental Conditions:**

**a. Item #10 Page SS-1**

Delete the following first sentence:

(Line items 1-106) If the amount for Bond & Insurance Advance exceeds 2% (two percent) of the subtotal for Bid line items (line items 1-106), the Bond and Insurance Advance line item will be adjusted accordingly.

Replace with the Following Sentence:

If the amount for Bond & Insurance Advance exceeds 2% (two percent) of the subtotal for Bid line items (line items 1-125)

**b. Item #24 - (h)-Verification concerning two (2) independent crews. Page SS-2**

Delete Paragraph (h) of item 24 in its entirety.

**c. ARTICLE 4.8 SUSPENSION OF WORK BY OWNER Page SS-4**

Remove in its entirety and replace with the revised language

**4.8 SUSPENSION OF WORK BY OWNER**

.1 The Owner in its sole discretion may suspend Work either partially or totally by written order whenever the interests of SAWS require the suspension of such Work. If the Owner suspends Project Work, the Contractor hereby acknowledges and agrees that Contractor will be paid for the equipment on site in accordance with the daily standby rate as provided by the Rental Rate Blue Book for Construction Equipment (with no overhead and profit mark ups) so long as the total suspension(s) is (are) for a period not to exceed ten (10) calendar days. Should the suspension exceed 10 calendar days, SAWS will issue a written intermediate demobilization notice to the Contractor and Contractor will be compensated through the Intermediate Demobilization/Remobilization bid item. In either case the Contractor will be granted additional days for the duration of the suspension or demobilization.

**d. ARTICLE VIII.- CONTRACT COMPLETION TIME Page SS-5**

The following sentence is added to Article VIII Contract Completion Time:

For any urgent work orders, a project pre-construction meeting does not need to occur before the contractor mobilizes to the site and sets up any traffic control and /or bypass pumping.

**4. Special Conditions**

**a. SC-1.0 SCOPE OF WORK**

**I. General Page SC-1**

Add the following sentence to the end of this section:

Work orders could be in streets, alleys and or parkways and this does not change the bid item requirements or price.

**b. II. Terms and Conditions**

Contract Requirements Page SC-2

Add the following after item 4:

5. Contractor to pre-purchase the following sewer and water materials for any urgent work orders, these materials shall be at a secure place and be available throughout the duration of the contract:

Sewer Pipe:

- 500 Linear feet of 8" Sewer Pipe SDR 26-2241, 160 PSI
- 500 Linear feet of 12" Sewer Pipe SDR 26-2241, 160 PSI
- 100 Linear feet of 6" Sewer Pipe SDR26-2241, 160 PSI

Sewer manholes:

- 2 – 4' Sanitary Sewer manholes

Sewer fittings:

- Appropriate sewer fittings, miscellaneous

Water Pipe

- 500 Linear Feet of 8" PVC C-900 Water Pipe
- 200 Linear Feet of 12" PVC C-900 Water Pipe
- 50 Linear Feet of 6" DI Water Pipe
- 50 Linear Feet of 8" DI Water Pipe
- 50 Linear Feet of 12" DI Water Pipe

Water Valves

- 2 - 8" Water valves
- 2 - 12" Water valves

Water Fittings

- 2 - 8"x8" Tees
- 1 - 12"x12" Tee
- 2 – 8"x 6" reducers
- 2 – 12"x8" reducers
- Other appropriate water fittings, miscellaneous.

These materials will be paid for per invoice for materials on hand.

**c. SC- 2.1 PERFORMANCE TIME PG SC-2**

**Article I** - Replace the last sentence "Contractors should have two (2) full utility crews available to start work simultaneously" with the following:

*Contractors should have sufficient utility crews available to start work on any work orders.*

**d. Article III Urgent Work Orders: PG SC-3**

Remove and replace the paragraph with the following:

*If a work order is deemed by SAWS as urgent, SAWS reserves the right to accelerate the commencement of work. Contractor will first be notified in writing that SAWS has deemed this pending work order as urgent. Contractor will be given any information available. Contractor is to assess and control flows. Contractor to take over bypass pumping and or traffic control or place bypass pumping and or traffic control within 48 hours of notification of an urgent work order. Once SAWS has determined the scope of work, direction and or plans will be given to the contractor. Contractor shall then submit via CPMS By-Pass Pumping Plan, AC Plan, Traffic Control Plan, and construction schedule, to reflect SAWS provided construction duration, for review and approval after taking over, or placing any bypass and or traffic control. Failure of contractor to*

*mobilize within 48 hours of written request will, at SAWS sole discretion, result in reassignment of work order to other contracts and the contractor will not be eligible for any compensation. Compensation for such acceleration per Specification 2000 – Urgent Mobilization, will only be allowed if contractor complied with these requirements. SAWS makes no estimation of the number of Urgent work orders that will be issued.*

**e. SC- 2.5 WORK ORDERS Pg SC-4**

**Article VII**

Remove and replace the paragraph with the following:

*Standard work orders will not receive measurement or payment for mobilization or preparation of ROW or permitting costs. All cost in connection shall be included in the applicable contract price based on the unit price for the items to which the work pertains.*

**f. SC-7 – CPS Energy Pg SC-7**

Delete the following sentence from the first paragraph:

*Cost Incurred by the Contractor for bracing of these utility poles that exceeds the allowance is subsidiary to the respective utility company's work. It is advisable for the Contractor to review the construction documents and visit the construction sites to determine potential impacts.*

**5. Revisions to the Special Provisions to Technical Specifications.**

**a. C- Revision to TxDOT Specification Item 502 (Barricades, Signs and Traffic Handling)**

Replace Item C with the Following:

***502.1 Description:***

*This specification section is applicable to all locations within TxDOT right-of-way.*

*Sections "502.3 Measurement" and "502.4 Payment" shall be replaced in their entirety with the following:*

***502.3 MEASUREMENT:*** *Item No. 502.3- Barricades, Signs and Traffic Handling will be measured per work order for each work order in TxDOT ROW.*

***502.4 PAYMENT:*** *Item No. 502.4 – Barricades, Signs and Traffic Handling will be paid for per each work order, for work in TxDOT ROW.*

*All other Language in this specification 502 remains in full force.*

**b. D- Revision to COSA Specification Item 530 (Barricades, Signs and Traffic Handling)**

Replace item D entirety with the following:

Sections "530.5 Measurement" and "530.6 Payment" shall be replaced in their entirety with the following:

**530.5 MEASUREMENT:** Item No. 530 – Barricades, Signs and Traffic Handling will be measured per work order for each work order in COSA ROW.

**530.6 PAYMENT:** Item No. 530 Barricades, Signs and Traffic Handling will be paid for per each work order for work in COSA ROW.

**c. F. Revision to SAWS Standard Specification Item No. 865 Bypass Pumping Small Diameter Sanitary Sewers**

Replace item F, with the following:

**865.1 Description:** The statement to be replaced currently reads as follows:

8. 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.

The paragraph above shall be deleted in its entirety and replaced with the following:

8. The Design Plans may include a suggested bypass pumping plan for each Work Order that has flows entering the upstream manhole. The Contractor is responsible for final design of the bypass system, including but not limited to sizing and layout of pumps and piping network. The Contractor is responsible for contacting property owners and/or residents regarding flow management at properties located upstream and along the line being rehabilitated or replaced. The Contractor is responsible for maintenance of service to all properties during the project.

865.3 Submittals 4e: The statement to be replaced currently reads as follows:

If Contractor elects to use a combination of stationary pumping and pump and haul for his bypass system. Contractor's BPP shall identify the quantity of flows that will be pumped and hauled for each type of bypass system along with the points where flows will be removed and reintroduced into the sanitary sewer system.

The paragraph above shall be deleted in its entirety and replaced with the following:

If Contractor elects to use a stand-alone pump and haul system, a stationary pumping system, or a combination of pump and haul and stationary pumping, Contractor's BPP shall identify the quantity of flows that will be pumped through each method along with locations where the flow will be removed and reintroduced to the system.

Pump and haul systems require disposal at a SAWS facility. The Contractor shall contact SAWS to identify applicable facility for disposal.

865.7 Measurement: The statement that shall be replaced reads as follows:

- 1- Measurement for the work specified herein will be by lump sum per Work Order and shall include pumps, pipe, plugs, transmitters and any other items required for successful bypass pumping:

The paragraph above shall be deleted in its entirety and replaced with the following:

- 1- Measurement for the work herein will be per day for each Work Order for Bypass Pumping Equipment, for Bypass for Pumping Fuel and for Bypass for pumping personnel watch. Measurement includes any effort required for multiple set-ups and operations. Included are bypassing all connected sanitary sewer mains (regardless of size) in order to isolate the pipeline segment for completion of the proposed improvements.

865.8 Payment 1a-f: The statement that shall be replaced reads as follows:

- 1- Payment for the "Lump Sum" bid for Bypass Pumping shall be in accordance with the following:
  - a. Any effort required for multiple set-ups and operations shall be included in the lump sum price.
  - b. When initial set-up and operation of the bypass pumping system begins (including a successful test), 20% of the Lump Sum cost will be paid as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.
  - c. 60% of the Lump Sum 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.

- d. 20% of the remaining "Lump Sum" 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.
- e. For multi-bypass pumping setups, payment will be proportional to the overall amount of the established bid line item.
- f. Any damages, repairs, etc., to private or public property will not be considered for any additional payment.

The paragraph above shall be deleted in its entirety and replaced with the following:

- 1- Payment of the "Per Day" bid for Bypass Pumping for Each Work Order for Bypass Pumping Equipment, for Bypass for Pumping Fuel and for Bypass for pumping personnel watch shall be in accordance with the following:
  - a. Any effort required for multiple set-ups and operations shall be included in the per day price.
  - b. Any damages, repairs, etc., to private or public property will not be considered for any additional payment.

All other language in this specification 865 remains in full force.

**6. Revisions to Special Specification:**

**a. Item No.2000 Urgent Mobilization**

Remove Special Specification Item No. 2000 Urgent Mobilization in its entirety and replace with the attached **Item No. 2000 Urgent Mobilization and Urgent Preparation of ROW.**

**b. Item 3300 Sanitary Sewer Private Lateral (4"-6")**

Delete the following sentence from the second paragraph under Construction:

"If the existing turf cannot be reestablished the contractor is to provide, install and establish matching sod (N.S.P.I.)."

**END OF ADDENDUM**

This Addendum, including these seven (7) pages, is thirteen (13) pages with attachments in its entirety. Attachments:



August 16, 2022

Carl Bain PE  
Bain Medina Bain, Inc.

**BID PACKET CHECKLIST**  
**2022 UNSPECIFIED WATER AND SEWER CONSTRUCTION**  
**WORK ORDER CONTRACT**  
**SAWS Job No. 22-4513 Sewer**  
**SAWS Job No. 22-4008 Water**  
**SAWS Solicitation No. CO-00584**

**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 and Executive Order
- Bid Packet Checklist
- Signed Proposal Certification
- Bid Bond
- Good Faith Effort Plan
- Statement of Bidder's Experience

**Items to be submitted Upon Request by SAWS from the 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

**\*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 in the bid proposal to wit:

**PLEASE SEE ATTACHED LIST OF BID ITEMS.**

\_\_\_\_\_  
BIDDER'S SIGNATURE & TITLE

\_\_\_\_\_  
FIRM'S NAME (TYPE OR PRINT)

\_\_\_\_\_  
FIRM'S ADDRESS

\_\_\_\_\_  
FIRM'S PHONE NO. /FAX NO.

\_\_\_\_\_  
FIRM'S EMAIL ADDRESS

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

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

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **365** calendar days or until funds are exhausted, whichever comes first, after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

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

**Statement on President's Executive Orders**

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

**Texas Government Code Chapter 2274 Verifications**

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

BID PROPOSAL LINE ITEMS

SEWER IMPROVEMENTS

Item	ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
1	102.1	Intermediate Demobilization and Remobilization	EA	1	\$	\$
2	103.1	Remove Concrete Curb (COSA Spec)	LF	100	\$	\$
3	103.3	Remove Concrete Sidewalks & Driveways (COSA Spec)	SF	900	\$	\$
4	104	Removing Concrete (Concrete Curb, Curb & Gutter) (TxDOT Spec)	LF	300	\$	\$
5	104	Removing Concrete (Sidewalk or Ramp) (TxDOT Spec)	SY	200	\$	\$
6	104	Removing Concrete (Driveways) (TxDOT Spec)	SY	100	\$	\$
7	105	Removing Stabilized Base Asphalt Pav (0"-16") (TxDOT Spec)	SY	150	\$	\$
8	203.1	Tack Coat (COSA Spec)	GA	210	\$	\$
9	205.4	Hot Mix Asphaltic Concrete Pavement, Type D (2" Compacted Depth) (COSA Spec)	SY	1,450	\$	\$
10	205.4	Hot Mix Asphaltic Concrete Pavement, Type D (3" Compacted Depth) (COSA Spec)	SY	200	\$	\$
11	206.1	Asphalt Treated Base (ATB) (10" Compacted Depth) (COSA Spec)	SY	1,450	\$	\$
12	206.1	Asphalt Treated Base (ATB) (12" Compacted Depth) (COSA Spec)	SY	200	\$	\$
13	208.1	Salvaging Hauling & Stockpiling Reclaimable Asphaltic Pavement(2" Depth) (COSA Spec)	SY	100	\$	\$
14	208.1	Salvaging Hauling & Stockpiling Reclaimable Asphaltic Pavement(3" Depth) (COSA Spec)	SY	200	\$	\$
15	300	Tack Coat (TxDot Spec)	Gal	14	\$	\$
16	340	Hot Mix Asphaltic Concrete Pavement Type C (2" Depth) (TxDOT Specs)	SY	70	\$	\$
17	340	Hot Mix Asphaltic Concrete Pavement Type B (10" Depth )(TxDOT Spec)	SY	70	\$	\$
18	413.1	Flowable Fill	CY	100	\$	\$
19	500.5	Concrete Curb, Concrete Gutter, and Concrete Curb and Gutter (COSA Spec)	LF	100	\$	\$
20	502	TxDOT - Barricades, Signs and Traffic Handling	Day	7	\$	\$
21	502.1	Concrete Sidewalks Conventionally Formed (COSA Spec)	SY	50	\$	\$
22	503.1	Portland Cement Concrete Driveways (COSA Spec)	SY	30	\$	\$
23	503.2	Portland Cement Concrete Driveway - Commercial (COSA Spec)	SY	20	\$	\$
24	515.1	Top Soil (4") (COSA Spec)	CY	20	\$	\$
25	516.4	Sodding ( Bermuda or St. Augustine)(COSA Spec)	SY	10	\$	\$
26	529	Concrete Curb ( TY I or TY II) (TxDOT Spec)	LF	300	\$	\$
27	530	COSA-Barricades, Signs and Traffic Handling	Day	7	\$	\$
28	530	Driveways (Concrete) (TxDOT Spec)	SY	100	\$	\$
29	530	Driveways (Asphalt) (TxDOT Spec)	SY	150	\$	\$
30	531	Concrete Sidewalks (4") (TxDOT Spec)	SY	200	\$	\$
31	550	Trench Excavation Safety Protection	LF	4,200	\$	\$
32	848	8" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (0'-6' Cut)	LF	1,000	\$	\$
33	848	8" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (6'-10' Cut)	LF	1,000	\$	\$
34	848	8" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (10'-14' Cut)	LF	300	\$	\$
35	848	10" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (0'-6' Cut)	LF	600	\$	\$
36	848	10" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (6'-10' Cut)	LF	400	\$	\$
37	848	10" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (10'-14' Cut)	LF	200	\$	\$
38	848	12" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (0'-6' Cut)	LF	200	\$	\$
39	848	12" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (6'-10' Cut)	LF	150	\$	\$
40	848	12" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (10'-14' Cut)	LF	50	\$	\$
41	848	15" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (0'-6' Cut)	LF	150	\$	\$
42	848	15" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (6'-10' Cut)	LF	100	\$	\$
43	848	15" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi), (10'-14' Cut)	LF	50	\$	\$
44	850	Sanitary Sewer Doghouse Manhole	EA	1	\$	\$

45	851	Adjusting Existing Manholes ( Watertight Ring and Cover)	EA	8	\$		\$
46	852.1	4' Sanitary Sewer Manhole (0' - 6')	EA	10	\$		\$
47	852.2	4' Sanitary Sewer Drop Manhole (0' - 6')	EA	1	\$		\$
48	852.3	4' Dia Sanitary Sewer Extra Depth Manhole (> 6')	VF	10	\$		\$
49	852.4	Manhole Coring (8" or 10" or 12" or 15")	EA	4	\$		\$
50	854.1	Sanitary Sewer Laterals, (SDR 26, ASTM 2241, 160 PSI)	LF	2,000	\$		\$
51	854.2	Two-way Cleanouts	EA	25	\$		\$
52	855	Reconstruction of Existing Manhole	EA	5	\$		\$
53	858	Concrete Encasement, Cradles, Saddles and Collars	CY	5	\$		\$
54	860	Vertical Stacks	VF	50	\$		\$
55	865.1	Bypass Pumping Equipment Rental 8" SS Main	Day	7	\$		\$
56	865.1	Bypass Pumping Equipment Rental 10" SS Main	Day	7	\$		\$
57	865.1	Bypass Pumping Equipment Rental 12" SS Main	Day	7	\$		\$
58	865.1	Bypass Pumping Equipment Rental 15" SS Main	Day	7	\$		\$
59	865.2	Bypass Pumping Fuel 8" SS Main	Day	7	\$		\$
60	865.2	Bypass Pumping Fuel 10" SS Main	Day	7	\$		\$
61	865.2	Bypass Pumping Fuel 12" SS Main	Day	7	\$		\$
62	865.2	Bypass Pumping Fuel 15" SS Main	Day	7	\$		\$
63	865.3	Bypass Pumping Watch 8" SS Main	Day	7	\$		\$
64	865.3	Bypass Pumping Watch 10" SS Main	Day	7	\$		\$
65	865.3	Bypass Pumping Watch 12" SS Main	Day	7	\$		\$
66	865.3	Bypass Pumping Watch 15" SS Main	Day	7	\$		\$
67	866	Sewer Main -Television Inspection (8" - 15")	LF	4,200	\$		\$
68	910	Manhole Rehabilitation (4' Dia. Manhole)	VF	10	\$		\$
69	2000	Urgent Mobilization / Urgent Preparation of ROW per work order	EA	1	\$		\$
70	3001	Pole Bracing - CPS Energy Allowance	ALW	1	\$	20,000	\$ 20,000
71	3300	Sanitary Sewer Private laterals (4" - 6") (including CoSA permit and Licensed Plumber)	LF	100	\$		\$
72	6001	Portable Changeable Message Sign (TxDOT Spec)	Day	7	\$		\$
				(Lines 1-72)		<b>Total Sewer</b>	<b>\$</b>

**WATER IMPROVEMENTS**

item	ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
73	102.1	Intermediate Demobilization and Remobilization	EA	1	\$	\$
74	103.1	Remove Concrete Curb (COSA Spec)	LF	100	\$	\$
75	103.3	Remove Concrete Sidewalks & Driveways (COSA Spec)	SF	900	\$	\$
76	203	Tack Coat (COSA Spec)	GA	70	\$	\$
77	205.4	HMAC Type "D" (2" Comp. Depth) (COSA Spec)	SY	250	\$	\$
78	205.4	HMAC Type "D" (3" Comp. Depth) (COSA Spec)	SY	100	\$	\$
79	206.1	Asphalt Treated Base (10" Compacted Depth) (COSA Spec)	SY	250	\$	\$
80	206.2	Asphalt Treated Base (12" Compacted Depth) (COSA Spec)	SY	100	\$	\$
81	208.1	Salvaging Hauling & Stockpiling Reclaimable Asphaltic Pavement(2" Depth) (COSA Spec)	SY	250	\$	\$
82	208.1	Salvaging Hauling & Stockpiling Reclaimable Asphaltic Pavement(3" Depth) (COSA Spec)	SY	100	\$	\$
83	413.1	Flowable Fill	CY	5	\$	\$
84	500.5	Concrete Curb, Concrete Gutter, and Concrete Curb and Gutter (COSA Spec)	LF	100	\$	\$
85	502	TxDOT - Barricades Signs and Traffic Handling	Day	7	\$	\$

86	502.1	Concrete Sidewalks - Coventionally Formed (COSA Spec)	SY	50	\$		\$
87	503.1	Portland Cement Concrete Driveways (COSA Spec)	SY	30	\$		\$
88	503.2	Portland Cement Concrete Commercial (COSA Spec)	SY	20	\$		\$
89	515.1	Topsoil (COSA Spec)	CY	20	\$		\$
90	516.2	Sodding (Bermuda or St. Augustine Sodding) (COSA Spec)	SY	10	\$		\$
91	530	COSA-Barricades, Signs and Traffic Handling	Day	7	\$		\$
92	550	Trench Excavation Safety Protection	LF	1,700	\$		\$
93	814	6" DI Water main	LF	100	\$		\$
94	814	8" DI Water main	LF	200	\$		\$
95	814	12" DI Water main	LF	100	\$		\$
96	818	8" PVC C-900 Water main	LF	1,000	\$		\$
97	818	12" PVC C-900 Water main	LF	500	\$		\$
98	822	Customer's Yard Piping	LF	25	\$		\$
99	824.1	Relay 3/4" Short Service	EA	3	\$		\$
100	824.2	Relay 3/4" Long Service	EA	3	\$		\$
101	824.3	Relay 1" Short Service	EA	1	\$		\$
102	824.4	Relay 1" Long Service	EA	1	\$		\$
103	824.5	Relay 2" Short Service	EA	1	\$		\$
104	824.7	Customer Shut-off Valve	EA	9	\$		\$
105	828	8" Gate Valves	EA	2	\$		\$
106	828	12" Gate Valves	EA	2	\$		\$
107	831	Cut in Tee (8"x8")	EA	1	\$		\$
108	831	Cut in Tee (12"x12")	EA	1	\$		\$
109	833	Existing Meter and New Meter Box Relocation	EA	9	\$		\$
110	833	New Meter Box	EA	5	\$		\$
111	834	Fire Hydrant	EA	2	\$		\$
112	836	Pipe Fittings, all sizes and types	TON	2	\$		\$
113	840	6" Water tie-ins	EA	2	\$		\$
114	840	8" Water tie-ins	EA	2	\$		\$
115	840	12" Water tie-ins	EA	2	\$		\$
116	841	Hydrostatic Testing	EA	2	\$		\$
117	844	2" Blowoff, Permanent	EA	1	\$		\$
118	844	2" Blowoff, Temporary	EA	4	\$		\$
119	846	1" Air Release Assemblies	EA	1	\$		\$
120	1020	6" Main Break/Leak Repair	EA	2	\$		\$
121	1020	8" Main Break/Leak Repair	EA	2	\$		\$
122	2000	Urgent Mobilization / Urgent Preparation of ROW Per Work Order	EA	1	\$		\$
123	3000	Removal, Transport, and Disposal of AC Pipe	LF	40	\$		\$
124	3001	Pole Bracing - CPS Energy Allowance	All	1	\$	10,000	\$ 10,000
125	6001	Portable Changeable Message Sign (TxDOT Spec)	Day	7	\$		\$
						(Lines 73-125) <b>Water Total</b>	\$
						(Lines 1-125) <b>Total Water and Sewer</b>	\$
126	1000	Bond and Insurance Advance Lines (2% Maximum of lines 1-125)	LS	1.00	\$		\$
						(Lines 1-126) <b>TOTAL PROJECT</b>	\$

**ITEM NO. 2000**  
**URGENT MOBILIZATION AND URGENT PREPARATION OF ROW**

- 100.1**        **DESCRIPTION:** This item shall govern the mobilization of personnel, equipment, and supplies at the project site in preparation for beginning work deemed by SAWS as Urgent. Urgent Mobilization shall include, but is not limited to, the movement of equipment, personnel, material, supplies, etc. to the project site and providing bypass pumping and or traffic control within 48 hours of the issuance of the Notice to Proceed.  
This item shall also govern preparing the right-of-way for the urgent mobilization by removing and disposing of all obstructions from the right-of-way and from designated easements where removal of such obstructions is required for the urgent mobilization.
- 100.2**        **MEASUREMENT:** Measurement of the Item, Urgent Mobilization, and Urgent Preparation of ROW as specified herein, will be by the “Lump Sum, per each work order” as the work progresses.
- 100.3**        **PAYMENTS:** Partial payments of the “Lump Sum, per each work order” bid for urgent mobilization will be as follows:
1.        50% of the “Lump Sum, per each work order” bid will be paid following urgent mobilization to project site and the urgent preparation of ROW.
  2.        Upon completion of all work under the work order, payment for the remainder of the “Lump Sum, per each work order” bid for Urgent Mobilization and Urgent Preparation of ROW will be made.
- Notes: Cost for Insurance and Bond is inclusive to cost of Urgent Mobilization and Urgent Preparation of ROW item.

- End of Specification -