



**2024 SMP Package III (Brenner Ave)
Solicitation No. CO-00667
Job No. 22-5041 (Water) & 22-5537 (Sewer)**

**ADDENDUM 1
August 17, 2023**

To Bidder of Record:

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

RESPONSES TO QUESTIONS

1. Question: What is the expected job start date for the project?

Response: Construction NTP is anticipated to be issued between October 16, 2023 and November 6, 2023.

2. Question: Are there any contaminated soils or liquids?

Response: An environmental assessment was not conducted for this project, but contaminated soils or liquids are not anticipated.

3. Question: Who is responsible for materials testing?

Response: Per 5.3.1 of the General Conditions, the Contractor agrees and understands that the Contractor is responsible for performing Quality Control inspection and testing services to assure Project compliance with Contract Documents.

4. Question: Can a project schedule be provided?

Response: No, the apparent low bidder is required to submit a Detailed Baseline Construction Schedule within one (1) business day of the bid opening.

5. Question: Can a Geotechnical Report be provided?

Response: A geotechnical report is not available for this project.

CHANGES TO SPECIFICATIONS

- **Remove the Bid Proposal (BP-1, BP-2, BP-3, BP-4) in its entirety and replace with attached.** Bidders to note 'Intermediate Demobilization and Remobilization' line items have been added to the bid proposal. **Bidders shall use the revised Bid Proposal attached to this Addendum when submitting a bid for this project. Failure to use the revised Bid Proposal may result in the bid being found non-responsive.**
- **Remove the Contract Agreement (CA-1, CA-2) in its entirety and replace with attached.** Bidders to note that "or until funds are exhausted, whichever comes first" language for unspecified contracts has been removed.

CHANGES TO PLANS

- **Remove General Construction Notes and Quantity Summary (Sheet 2 of 11) of the Water Plans in its entirety and replace with attached, dated 8/17/23.** Sheet 2 has been updated to revise general construction note #15 regarding pole bracing, re-order and emphasize note #1 regarding New Meter Boxes, and add an 'Intermediate Demobilization and Remobilization' line item to the Overall Water Quantity Summary.
- **Remove General Construction Notes and Quantity Summary (Sheet 2 of 15) of the Sewer Plans in its entirety and replace with attached, dated 8/17/23.** Sheet 2 has been updated to revise general construction note #15 regarding pole bracing and add 'Intermediate Demobilization and Remobilization' line items to the Overall Sewer Quantity Summary.

END OF ADDENDUM 1

This Addendum, including these two (2) pages, is ten (10) pages with attachments in its entirety.

Attachments:

Bid Proposal (4 Pages)

Contract Agreement (2 Pages)

Plan Sheet 2 of 11 - Water Plans (1 Page)

Plan Sheet 2 of 15 - Sewer Plans (1 Page)



Steven H. Thai, PE
BGE, Inc.
TBPE Registration No. F-1046

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 **330** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

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

Statement on President's Executive Orders

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

Texas Government Code Chapter 2274 Verifications

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

2024 SMP PACKAGE III (BRENNER AVE)

Line No.	Item No.	Spec No.	Description	Unit	Quantity	Unit Price	Total Price
1	1w	103.1	Remove Concrete Curb (COSA Spec)	LF	500	\$	\$
2	2w	103.3	Remove Concrete Sidewalks and Driveways (COSA Spec)	SF	1760	\$	\$
3	3w	203.1	Tack Coat (COSA Spec)	GAL	194	\$	\$
4	4w	205.2	Hot Mix Asphaltic Pavement - Type B (10" Compacted Depth)(COSA Spec)	SY	1152	\$	\$
5	5w	205.4	Hot Mix Asphaltic Pavement - Type D (2" Compacted Depth)(COSA Spec)	SY	1909	\$	\$
6	6w	208.1	Salvaging, Hauling & Stockpiling Reclaimable Asphaltic Pavement (2" Depth) (COSA Spec)	SY	506	\$	\$
7	7w	299	Flowable Fill	CY	25	\$	\$
8	8w	500.1	Concrete Curb (COSA Spec)	LF	500	\$	\$
9	9w	502	Concrete Sidewalks (COSA Spec)	SY	161	\$	\$
10	10w	503.2	Portland Cement Concrete Driveway (Residential)(COSA Spec)	SY	37	\$	\$
11	11w	503.5	Gravel Driveway (COSA Spec)	SY	20	\$	\$
12	12w	530.1	Barricades, Signs, and Traffic Handling (COSA Spec)	EA	1	\$	\$
13	13w	550	Trench Excavation Safety Protection	LF	2400	\$	\$
14	14w	818	6" PVC Waterline	LF	5	\$	\$
15	15w	818	8" PVC Waterline	LF	731	\$	\$
16	16w	818	12" PVC Waterline	LF	1650	\$	\$
17	17w	822	Customer Shut-off Valve	EA	71	\$	\$
18	18w	822	Short Yard Piping	LF	10	\$	\$
19	19w	824	Relay 3/4" Long Service	EA	33	\$	\$
20	20w	824	Relay 3/4" Short Service	EA	37	\$	\$
21	21w	824	Relay 1" Long Service	EA	1	\$	\$
22	22w	824	New 3/4" Long Unmetered Service	EA	2	\$	\$
23	23w	824	New 3/4" Short Unmetered Service	EA	3	\$	\$
24	24w	828	8" Gate Valve	EA	2	\$	\$
25	25w	828	12" Gate Valve	EA	8	\$	\$
26	26w	833	Existing Meter & New Meter Box Relocation	EA	71	\$	\$
27	27w	834	Fire Hydrant	EA	6	\$	\$
28	28w	836	Pipe Fittings, All Sizes & Types	TN	4.0	\$	\$
29	29w	840	6" Water Tie-Ins	EA	1	\$	\$
30	30w	840	8" Water Tie-Ins	EA	1	\$	\$
31	31w	840	12" Water Tie-Ins	EA	2	\$	\$
32	32w	841	Hydrostatic Testing	EA	4	\$	\$
33	33w	844	2" Blow-off, Temporary	EA	4	\$	\$
34	34w	856.2	12" Carrier Pipe for Jacking, Boring, and Tunneling (Open Cut)	LF	14	\$	\$
35	35w	856.3	24" Steel Casing (Open Cut)	LF	14	\$	\$
36	36w	858	Concrete Encasement, Cradles, Saddles, and Collars	CY	5	\$	\$
37	37w	1015	Service Line Break/Leak Repairs	EA	2	\$	\$
38	38w	1020	Water Main Break/Leak Repairs, (6"-12", all types)	EA	2	\$	\$

Line No.	Item No.	Spec No.	Description	Unit	Quantity	Unit Price	Total Price
39	39w	3000	Removal, Transportation and Disposal of various sizes of A.C. Pipe	LF	234	\$	\$
40	1s	103	Remove Concrete Curb (COSA Spec)	LF	536	\$	\$
41	2s	103.3	Remove Concrete Sidewalks and Driveways (COSA Spec)	SF	3328	\$	\$
42	3s	103.4	Remove Miscellaneous Concrete (COSA Spec)	SF	18	\$	\$
43	4s	203.1	Tack Coat (COSA Spec)	GAL	142	\$	\$
44	5s	205.2	Hot Mix Asphaltic Pavement, Type B (10" Compacted Depth)(COSA Spec)	SY	1097	\$	\$
45	6s	205.4	Hot Mix Asphaltic Pavement, Type D (2" Compacted Depth)(COSA Spec)	SY	1392	\$	\$
46	7s	299	Flowable Fill	CY	93	\$	\$
47	8s	500	Concrete Curb (COSA Spec)	LF	536	\$	\$
48	9s	502	Concrete Sidewalk (COSA Spec)	SY	179	\$	\$
49	10s	503.1	Portland Cement Concrete Driveway (Residential) (COSA Spec)	SY	187	\$	\$
50	11s	503.4	Asphaltic Concrete Driveway (COSA Spec)	SY	9	\$	\$
51	12s	503.5	Gravel Driveway (COSA Spec)	SY	36	\$	\$
52	13s	506.1	Concrete Retaining Walls (COSA Spec)	CY	1	\$	\$
53	14s	530.1	Barricades, Signs, and Traffic Handling (COSA Spec)	EA	1	\$	\$
54	15s	550	Trench Excavation Safety Protection	LF	2374	\$	\$
55	16s	848	8" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi) (All Depths)	LF	2078	\$	\$
56	17s	848	10" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi) (All Depths)	LF	45	\$	\$
57	18s	848	12" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi) (All Depths)	LF	251	\$	\$
58	19s	852	Shallow Sanitary Sewer Manhole (0'-6')	EA	1	\$	\$
59	20s	852	Sanitary Sewer Manhole (0'-6')	EA	10	\$	\$
60	21s	852	Extra Depth Manholes (> 6')	VF	2	\$	\$
61	22s	854	Sanitary Sewer Laterals, (SDR 26, ASTM 2241, 160 psi)	LF	2100	\$	\$
62	23s	854	Two-Way Sanitary Sewer Clean-out	EA	83	\$	\$
63	24s	858	Concrete Encasement, Cradles, Saddles and Collars	CY	15	\$	\$
64	25s	862	Abandonment of Sanitary Sewer Main	LF	30	\$	\$
65	26s	862	Abandonment of Sanitary Sewer Manhole	EA	1	\$	\$
66	27s	865	Small Diameter - Bypass Pumping System	LS	1	\$	\$
67	28s	866	Pre Sewer Main Television Inspection (8"-15")	LF	2895	\$	\$
68	29s	866	Post Sewer Main Television Inspection (8"-15")	LF	2778	\$	\$
69	30s	3000	Removal, Transportation and Disposal of various sizes of A.C. Pipe	LF	39	\$	\$
SUBTOTAL (ITEMS 1 - 69)						\$	

70	100	MOBILIZATION (MAX 10% OF ITEMS 1 - 69)		LS	1	\$	\$
71	101	PREPARING RIGHT-OF-WAY (MAX 5% OF ITEMS 1 - 69)		LS	1	\$	\$
72	102.1	Intermediate Demobilization and Remobilization (Water)		EA	1	\$	\$
73	102.1	Intermediate Demobilization and Remobilization (Sewer)		EA	1	\$	\$
74	102.2	Intermediate Demobilization Bypass Pumping Equipment Rental		MD	10	\$	\$

Line No.	Item No.	Spec No.	Description	Unit	Quantity	Unit Price	Total Price
75		102.3	Intermediate Demobilization Bypass Pumping Fuel	MD	10	\$	\$
76		102.4	Intermediate Demobilization Bypass Pumping Watch	MD	10	\$	\$
77		3001	Pole Bracing	ALW	1	\$20,000.00	\$20,000.00

Mobilization lump sum bid shall be limited to a maximum 10% of the Line Item "1-69" Subtotal Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Item "1-69" Subtotal Base Bid amount. The Line Item "1-69" Subtotal base bid is defined as all bid items EXCLUDING Item 100, Mobilization, Item 101, Preparing Right-of-Way, Item 102, Intermediate Demobilization and Remobilization, and Item 3001, Pole Bracing. **In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization and Preparation of ROW bid items the written percentage will govern. If the percentage written 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 - 69 AND 70-77)	\$
---	----

CONTRACT

CO-00667

22-5041 (WATER),

22-5537 (SEWER)

STATE OF TEXAS §

COUNTY OF BEXAR §

KNOW ALL MEN BY THESE PRESENTS:

That this Agreement made and entered into this «Board Date» day of «Board Month», A.D., «Board Year», by and between **THE SAN ANTONIO WATER SYSTEM BOARD OF TRUSTEES**, hereinafter called **THE SAN ANTONIO WATER SYSTEM, COUNTY OF BEXAR, STATE OF TEXAS**, Acting through its Contracting Officer, First Party, hereinafter termed the Owner, and «Company Name», of the City of «City», County of «County», State of «State », Second Party, hereinafter termed the Contractor.

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned to be made and performed by said First Party, (Owner), the said Second Party, (Contractor), hereby agrees with the First Party to commence and complete the construction of certain improvements in the amount of «Written Contract Amt» Dollars «Formatted Price», for the San Antonio Water System Job No(s). «Bid Opening Date», dated «Bid Opening Date», the same being designated as San Antonio Water System Project 2024 SMP Package III (Brenner Ave).

The Contractor shall perform all work shown on the Plans and described Specifications and shall meet all requirements of this Agreement, The General and Special Conditions of the Agreement; and such Orders and Agreements for Extra Work as may subsequently be entered by the above named parties to this Agreement.

The Contractor shall not offer, confer, or agree to confer any benefit or gift to any San Antonio Water System employee and Water System employees are prohibited from soliciting, accepting or agreeing to accept any gifts from outside sources; please see Section M. – Gifts or Benefits of the Water System’s Code of Ethical Standards. Section M of the Water System’s Code of Ethical Standards regarding Gifts or Benefits is available on the SAWS Business Center website.

The Contractor hereby agrees to commence work under this Contract on the date indicated in the SAWS written Authorization to Proceed. Under no circumstances shall the work commence prior to the Contractor's receipt of SAWS issued, written Authorization to Proceed. Computation of Contract Time will begin on the construction start date as indicated on the written Authorization to Proceed. All work specified in these Contract Documents shall be completed within 330 calendar days from the construction start date indicated on the written Authorization to Proceed.

It is agreed and understood by the Owner and the Contractor that the provisions of Chapter 252, Texas Local Government Code, and/or Chapter 2269, Texas Government Code (as amended) apply to this contract. As applicable, the terms of the aforementioned state law are incorporated herein by reference. Contractor and Owner agree that pursuant to state law, Owner authorizes its duly designated administrative officer (Contracting Officer) to negotiate change orders up to and including the amount of \$100,000.00. It is also agreed and understood that any change orders which increase the cost of the work provided under the contract in excess of 25% of the original contract price are prohibited. The cost of the work provided under the contract may be decreased over 25% of the original contract price with the consent of the Contractor.

The Owner agrees to pay the Contractor in current funds, and to make payments on account, for the performance of the work in accordance with the Contract, at the prices set forth in the Contractor's Proposal, subject to additions and deductions, all as provided in the General Conditions of the Agreement.

GENERAL CONSTRUCTION

1. 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:

- A. 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.
- B. CURRENT TxDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE."
- C. CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION."
- D. CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR CONSTRUCTION."
- E. CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL" (UECM).

2. THE CONTRACTOR SHALL OBTAIN SAWS STANDARD DETAILS FROM SAWS WEBSITE, https://apps.saws.org/business_center/specs/constspecs/ UNLESS OTHERWISE NOTED WITHIN DESIGN PLANS.

3. THE CONTRACTOR IS TO NOTIFY AND MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 (DURING REGULAR SAWS WORKING HOURS), AND PROVIDE NOTIFICATION PROCEDURES THE CONTRACTOR WILL USE TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS TWO (2) WEEKS PRIOR TO EXCAVATION. OUTSIDE OF REGULAR SAWS WORKING HOURS THE SAWS EOC SHOULD BE CONTACTED AT 210-704-7297.

4. IF NECESSARY, CONTRACTOR WILL COORDINATE USE OF SAWS PREMISES AT NO ADDITIONAL COST TO SAWS. SUCH EFFORTS INCLUDE, BUT ARE NOT LIMITED TO, OBTAINING SECURITY IDENTIFICATION BADGES REQUIRED FOR ACCESS TO SAWS FACILITIES.

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

6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. AS-BUILTS FOR SAWS INFRASTRUCTURE CAN BE OBTAINED AT WEBSITE BELOW. CONTRACTOR SHALL COORDINATE PHYSICAL LOCATES FOR SAWS INFRASTRUCTURE THROUGH THE SAWS INSPECTOR. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS INFRASTRUCTURE. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:

SAN ANTONIO WATER SYSTEM:
REQUEST AS-BUILTS: <https://www.saws.org/service/locates-service/>

COSA DRAINAGE 210-206-8433
COSA TRAFFIC SIGNAL OPERATIONS 210-207-7720
TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005 OR 811

7. 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.

8. CONTRACTOR SHALL NOT MAKE USE OF DUMPSTERS OR WASTE BINS THAT ARE INTENDED TO SERVE RESIDENTS AND/OR BUSINESSES.

9. ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION AND BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT.

10. THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.

11. ALL WORK WITHIN THE 100-YEAR FLOODPLAIN SHALL BE DONE IN ACCORDANCE WITH FLOODPLAIN DEVELOPMENT PERMIT.

12. 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.

13. HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS.

WEEKEND WORK: CONTRACTORS ARE REQUIRED TO SUBMIT REQUEST TO THE SAWS INSPECTION CONSTRUCTION DEPARTMENT BY 12:00PM ON THE WEDNESDAY PRIOR TO THE WEEKEND BEING REQUESTED. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.

ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION AT NO COST TO SAWS.

14. 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).

15. 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. IT IS ADVISABLE FOR THE CONTRACTOR TO REVIEW THE CONSTRUCTION DOCUMENTS, AND VISIT THE CONSTRUCTION SITE TO DETERMINE POTENTIAL IMPACTS.

16. CONSTRUCTION SEQUENCING: IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SCHEDULE SEQUENCING FOR REMOVAL AND INSTALLATION OF EXISTING AND PROPOSED SAWS UTILITIES IN CONJUNCTION WITH GENERAL PROJECT CONSTRUCTION. SEQUENCE OF CONSTRUCTION ACTIVITIES SHALL BE CONSIDERED IN ORDER TO MINIMIZE THE EXTENT AND DURATION OF DISTURBANCES.

17. CONTRACTOR SHALL COMPLY WITH APPLICABLE REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE OVERSEEN BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). OSHA INFORMATION AND RELATED MATERIALS MAY BE OBTAINED AT <https://www.osha.gov/> OR AT THE OSHA SAN ANTONIO OFFICE LOCATED AT FOUNTAINHEAD TOWER, SUITE 605 8200 W. INTERSTATE 10 SAN ANTONIO, TX 78230 WHICH IS ALSO REACHABLE BY PHONE AT (210) 472-5040.

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

WATER

19. PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS INSPECTION AND/OR SAWS PRODUCTION GROUPS AT LEAST TWENTY-FIVE (25) CALENDAR DAYS 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. SAWS PRODUCTION CONTROL CENTER 210-233-2016

20. ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN

ASBESTOS-CONTAINING MATERIAL (ACM), MAYBE LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS WILL BE APPLICABLE WHEN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS, PAYMENT FOR SUCH WORK IS TO BE MADE UNDER ITEM NO. 3000, "HANDLING ASBESTOS CEMENT PIPE".

AC PIPE REMOVED ON CONSTRUCTION PROJECTS FOR TIE-IN(S) SHOULD BE IN LENGTH OF 26 LINEAR FEET (LF). LENGTHS OF 13 LF SHOULD BE REMOVED WHERE AC PIPE IS BEING REMOVED AND CROSSING PIPES, CONDUITS, OR BOXES.

21. VALVE REMOVAL: WHERE THE CONTRACTOR IS TO ABANDON A WATER MAIN, THE CONTROL VALVE LOCATED ON THE ABANDONING BRANCH WILL BE REMOVED AND REPLACED WITH A CAP/PLUG. (NSPI)

22. DIVISION VALVES: DIVISION VALVES SHOWN ON PLANS OR NOT SHOWN ON PLANS BUT FOUND IN THE FIELD SHALL ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF AND ONLY WITH PRIOR WRITTEN APPROVAL OF THE SAWS DIRECTOR OF PRODUCTION AND OPERATIONS AND PROPER COORDINATION WITH ALL SAWS DEPARTMENTS. CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE INSPECTOR A MINIMUM OF TWENTY-FIVE (25) CALENDAR DAYS IN ADVANCE TO START THE COORDINATION PROCESS AND WILL BE INFORMED BY THE INSPECTOR WHEN THE DIVISION VALVE WILL BE OPERATED BY THE SAWS DISTRIBUTION AND COLLECTION STAFF. THE DIVISION VALVE CAN ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF MEMBER NOT THE INSPECTOR OR THE CONTRACTOR. OPERATION OF A DIVISION VALVE WITHOUT THE EXPRESS PRIOR WRITTEN APPROVAL OF THE SAWS DISTRIBUTION AND COLLECTION STAFF WILL CONSTITUTE A MATERIAL BREACH OF ANY WRITTEN SAWS CONTRACT OR PERMIT IN ADDITION TO SUBJECTING THE CONTRACTOR TO LIABILITY FOR ANY AND ALL FINES, FEES, OR OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, THAT MAY ARISE FROM OR BE CAUSED BY THE OPERATION OF THE VALVE WITHOUT PRIOR WRITTEN PERMISSION. PLEASE BE INFORMED THAT THE APPROVAL OF THE OPERATION OR OPENING OR CLOSING OF A DIVISION VALVE CAN TAKE SEVERAL WEEKS FOR APPROVAL. DIVISION VALVES WILL ALSO HAVE A VALVE LID LABELED DIVISION VALVE AND A LOCKING MECHANISM INSTALLED WITH A KEY. THE LOCK AND KEY MECHANISM WILL BE PAID FOR BY THE CONTRACTOR BUT WILL BE INSTALLED BY SAWS DISTRIBUTION AND COLLECTION STAFF.

NOTES

1. REPLACE EXISTING METER BOXES WITH NEW METER BOXES. NEW METER BOX IS SUBSIDIARY TO ITEM NO. 833 EXISTING METER AND NEW METER BOX RELOCATION.

2. REPLACEMENT OF WATER METER BOXES ARE TO BE AT THE DISCRETION OF THE SAWS INSPECTOR.

3. CONTRACTOR TO PLACE WATER METER BOXES WITHIN RIGHT-OF-WAY AT PROPERTY LINE.

4. CONTRACTOR SHALL RESTRAIN ALL PROPOSED PIPES, VALVES AND FITTINGS AT NO ADDITIONAL COST (RL=RESTRAINT LENGTH) PER ITEM NO. 836 GREY IRON AND DUCTILE-IRON FITTINGS.

5. FLOWABLE FILL TO FOLLOW DETAIL ON SHEET 10.

6. CONTRACTOR TO PROTECT EXIST WATERLINE DURING CONSTRUCTION AT NO COST TO SAWS.

7. ALL TREE WORK SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST. CONTRACTOR SHALL INDICATE TO THE CITY OF SAN ANTONIO DSD PROPOSED LIMITS OF CLEARANCE WITH TREES DURING PRE-CONSTRUCTION MEETING AND WITH PROJECT SUBMITTALS.

8. CONTRACTOR SHALL HAND DIG ANY WATER SERVICE, FIRE HYDRANT BRANCH, OR SEWER LATERAL CONNECTIONS WITHIN 1/2 OF THE TREE ROOT PROTECTION ZONE (NSPI).

9. CONTRACTOR TO MAINTAIN WATER SERVICE CONNECTIONS AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL ALSO MAINTAIN ACCESS TO ALL EXISTING AND PROPOSED WATER VALVES AT ALL TIMES (NSPI).

10. CONTRACTOR SHALL MAINTAIN ACCESS TO PUBLIC AND PRIVATE FACILITIES DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE AND THE SAN ANTONIO WATER SYSTEM.

11. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND CONSULTANT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXPECTING FROM LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR CONSULTANT.

12. CONTRACTOR SHALL REMOVE AND REPLACE PAVEMENT, DRIVEWAYS, SIDEWALKS, CURB, FENCES, LANDSCAPING, IRRIGATION SYSTEMS AND OTHER SURFACE FEATURES DAMAGED BY CONSTRUCTION ACTIVITIES TO PRE-EXISTING CONDITIONS OR NEW MATERIAL. SURFACE RESTORATION SHALL BE INCIDENTAL TO WATER SERVICES (NSPI).

CPS ENERGY NOTES

1. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

2. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF IN OR ADJACENT TO WORK AREA.

3. ANY EXCAVATION WITHIN FIVE (5) FOOT OF CPS ENERGY POLES WILL REQUIRE AFFECTED POLES TO RECEIVE POLE BRACING AT CONTRACTOR'S EXPENSE.

4. ACCESS FOR CPS ENERGY MAINTENANCE PERSONNEL AND EQUIPMENT MUST BE MAINTAINED AT ALL TIMES.

5. WHEN EXCAVATING WITHIN TWENTY FOUR INCHES (24") OF THE INDICATED LOCATION OF CPS ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.

CITY OF SAN ANTONIO NOTES

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

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.

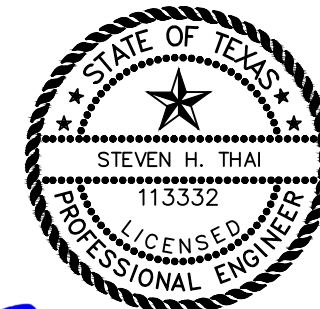
4. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING DRAINAGE FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING DRAINAGE SYSTEMS, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS EXPENSE. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT 210-207-8052 AS SOON AS CONFLICTS WITH UTILITIES ARE ENCOUNTERED OR ANY DRAINAGE SYSTEM IS DAMAGED DURING CONSTRUCTION.

5. 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.

6. 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.

7. 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.

SPEC NO.	UNIT DESCRIPTION	UNIT	QUANTITY
100	Mobilization (10% Max)	LS	1
101	Preparation of Right-of-Way (5% Max)	LS	1
102.1	Intermediate Demobilization and Remobilization (Water)	EA	1
103.1	Remove Concrete Curb (COSA Spec)	LF	500
103.3	Remove Concrete Sidewalks and Driveways (COSA Spec)	SF	1760
203.1	Tack Coat (COSA Spec)	GAL	194
205.2	Hot Mix Asphaltic Pavement - Type B (10" Compacted Depth)(COSA Spec)	SY	1152
205.4	Hot Mix Asphaltic Pavement - Type D (2" Compacted Depth)(COSA Spec)	SY	1909
208.1	Salvaging, Hauling & Stockpiling Reclaimable Asphaltic Pavement (2" Depth) (COSA Spec)	SY	506
299	Flowable Fill	CY	25
500.1	Concrete Curb (COSA Spec)	LF	500
502	Concrete Sidewalks (COSA Spec)	SY	161
503.2	Portland Cement Concrete Driveway (Residential)(COSA Spec)	SY	37
503.5	Gravel Driveway (COSA Spec)	SY	20
530.1	Barricades, Signs, and Traffic Handling (COSA Spec)	EA	1
550	Trench Excavation Safety Protection	LF	2400
818	6" PVC Waterline	LF	5
818	8" PVC Waterline	LF	731
818	12" PVC Waterline	LF	1650
822	Customer Shut-off Valve	EA	71
822	Short Yard Piping	LF	10
824	Relay 3/4" Long Service	EA	33
824	Relay 3/4" Short Service	EA	37
824	Relay 1" Long Service	EA	1
824	New 3/4" Long Unmetered Service	EA	2
824	New 3/4" Short Unmetered Service	EA	3
828	8" Gate Valve	EA	2
828	12" Gate Valve	EA	8
833	Existing Meter & New Meter Box Relocation	EA	71
834	Fire Hydrant	EA	6
836	Pipe Fittings, All Sizes & Types	TN	4.0
840	6" Water Tie-Ins	EA	1
840	8" Water Tie-Ins	EA	1
840	12" Water Tie-Ins	EA	2
841	Hydrostatic Testing	EA	4
844	2" Blow-off, Temporary	EA	4
856.2	12" Carrier Pipe for Jacking, Boring, and Tunneling (Open Cut)	LF	14
856.3	24" Steel Casing (Open Cut)	LF	14
858	Concrete Encasement, Cradles, Saddles, and Collars	CY	5
1015	Service Line Break/Leak Repairs	EA	2
1020	Water Main Break/Leak Repairs, (6"-12", all types)	EA	2
3000	Removal, Transportation and Disposal of various sizes of A.C. Pipe	LF	234
3001	Pole Bracing	ALW	1



SH 8/17/23

BGE, Inc.
7330 San Pedro, Suite 202 San Antonio, Tx 78216
Tel: 210-581-3600 • www.bgeinc.com
TBPE Registration No. F-1046

ADDENDUM NO. 1	NIC	SHT	08/17/2023
No.	Revision	Drawn	Approved

REVISIONS

2024 SMP PACKAGE III
(BRENNER AVE)
GENERAL CONSTRUCTION
NOTES AND QUANTITY
SUMMARY

DEVELOPER:
CONT. BUDGET PROJ.

SUBMITTED _____
APPROVED _____

MAP No.	138574, 138576, 140576, 140578	SHEET	2
SECT. No.		DR. ET	Of 11
CK. SHT	JOB No. 22-5041		

BGE, INC. C:\XAC\Projects\SAWS\SAWS - 2024 SMP Package III (Brenner Ave)\03_CADD\01_Sheets\WATER\01-WATER GENERAL NOTES AND QUANTITIES.dwg Aug 15, 2023 9:24am mchris@bge.com

GENERAL CONSTRUCTION

1. 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:

- A. 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.
B. CURRENT TxDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE.
C. CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION."
D. CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR CONSTRUCTION."
E. CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL" (UECM).

2. THE CONTRACTOR SHALL OBTAIN SAWS STANDARD DETAILS FROM SAWS WEBSITE, HTTPS://APPS.SAWS.ORG/BUSINESS_CENTER/SPECS/CONSTSPECS/ UNLESS OTHERWISE NOTED WITHIN DESIGN PLANS.

3. THE CONTRACTOR IS TO NOTIFY AND MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 (DURING REGULAR SAWS WORKING HOURS), AND PROVIDE NOTIFICATION PROCEDURES THE CONTRACTOR WILL USE TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS TWO (2) WEEKS PRIOR TO EXCAVATION, OUTSIDE OF REGULAR SAWS WORKING HOURS THE SAWS EOC SHOULD BE CONTACTED AT 210-704-7297.

4. IF NECESSARY, CONTRACTOR WILL COORDINATE USE OF SAWS PREMISES AT NO ADDITIONAL COST TO SAWS. SUCH EFFORTS INCLUDE, BUT ARE NOT LIMITED TO, OBTAINING SECURITY IDENTIFICATION BADGES REQUIRED FOR ACCESS TO SAWS FACILITIES.

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

6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. AS-BUILTS FOR SAWS INFRASTRUCTURE CAN BE OBTAINED AT WEBSITE BELOW. CONTRACTOR SHALL COORDINATE PHYSICAL LOCATES FOR SAWS INFRASTRUCTURE THROUGH THE SAWS INSPECTOR. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS INFRASTRUCTURE. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:

SAN ANTONIO WATER SYSTEM:
REQUEST AS-BUILTS: HTTPS://WWW.SAWS.ORG/SERVICE/LOCATES-SERVICE/
COSA DRAINAGE 210-206-8433
COSA TRAFFIC SIGNAL OPERATIONS 210-207-7720
TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005 OR 811

7. 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.

8. CONTRACTOR SHALL NOT MAKE USE OF DUMPSTERS OR WASTE BINS THAT ARE INTENDED TO SERVE RESIDENTS AND/OR BUSINESSES.

9. ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION AND BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT.

10. THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.

11. ALL WORK WITHIN THE 100-YEAR FLOODPLAIN SHALL BE DONE IN ACCORDANCE WITH FLOODPLAIN DEVELOPMENT PERMIT.

12. 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.

13. HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS.

WEEKEND WORK: CONTRACTORS ARE REQUIRED TO SUBMIT REQUEST TO THE SAWS INSPECTION CONSTRUCTION DEPARTMENT BY 12:00PM ON THE WEDNESDAY PRIOR TO THE WEEKEND BEING REQUESTED. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.

ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION AT NO COST TO SAWS.

14. 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).

15. 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. IT IS ADVISABLE FOR THE CONTRACTOR TO REVIEW THE CONSTRUCTION DOCUMENTS, AND VISIT THE CONSTRUCTION SITE TO DETERMINE POTENTIAL IMPACTS.

16. CONSTRUCTION SEQUENCING: IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SCHEDULE SEQUENCING FOR REMOVAL AND INSTALLATION OF EXISTING AND PROPOSED SAWS UTILITIES IN CONJUNCTION WITH GENERAL PROJECT CONSTRUCTION. SEQUENCE OF CONSTRUCTION ACTIVITIES SHALL BE CONSIDERED IN ORDER TO MINIMIZE THE EXTENT AND DURATION OF DISTURBANCES.

17. CONTRACTOR SHALL COMPLY WITH APPLICABLE REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE OVERSEEN BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). OSHA INFORMATION AND RELATED MATERIALS MAY BE OBTAINED AT HTTPS://WWW.OSHA.GOV/ OR AT THE OSHA SAN ANTONIO OFFICE LOCATED AT FOUNTAINHEAD TOWER, SUITE 605 8200 W. INTERSTATE 10 SAN ANTONIO, TX 78230 WHICH IS ALSO REACHABLE BY PHONE AT (210) 472-5040.

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

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

SEWER

19. 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:

- A. 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.
B. ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.
C. CONTAIN SEWAGE FROM THE SSO TO THE EXTENT OF PREVENTING A POSSIBLE CONTAMINATION OF WATERWAYS.
D. CLEAN UP SPILL SITE (RETURN CONTAINED SEWAGE TO THE COLLECTION SYSTEM IF POSSIBLE) AND PROPERLY DISPOSE OF CONTAMINATED SOIL/MATERIALS.
E. CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.
F. 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.

20. THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED, IN ACCORDANCE WITH SAWS STANDARD SPECIFICATION ITEM NO. 865, "BYPASS PUMPING SMALL DIAMETER SANITARY SEWER MAINS" AND STANDARD SPECIFICATION ITEM NO. 864, "BYPASS PUMPING LARGE DIAMETER SANITARY SEWER MAINS" AS APPLICABLE. PAYMENT FOR SUCH WORK WILL BE MADE UNDER THE APPROPRIATE BID ITEM ASSOCIATED WITH SANITARY SEWER BYPASS PUMPING IN ACCORDANCE WITH SAWS STANDARD SPECIFICATIONS 865 AND 864.

21. PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING FORCE MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 AND/OR SAWS PRODUCTION GROUPS AT LEAST TWO WEEKS OR MORE IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.

22. 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).

23. MANHOLE REMOVAL: WHERE EXISTING MANHOLES ARE TO BE REPLACED BY THE CONTRACTOR, THE EXISTING MANHOLES SHALL BE REMOVED. (NSPI)

24. SMART MANHOLE COVERS: THE CONTRACTOR SHALL NOTIFY SAWS EOC AT 210-704-SAWS (210-233-7297) AND EITHER AMERICA ESPINOZA AT 210-233-2934 OR JOSE A. MARTINEZ AT 210-233-3071 A MINIMUM OF 72 HOURS, NOT COUNTING WEEKENDS OR SAWS HOLIDAYS, BEFORE WORKING ON THE PIPE OR MANHOLE, IN ORDER TO HAVE SAWS REMOVE THE SMART COVER. ANY DAMAGE DONE TO THE SMART COVER WILL BE CHARGED TO THE CONTRACTOR THROUGH A CHANGE ORDER.

25. FLOW METERS IN MANHOLES: THE CONTRACTOR SHALL NOTIFY BOBBY JOHNSON AT 210-233-3493 OR ABEL BORUNDA AT 210-233-3704 A MINIMUM OF 72 HOURS, NOT COUNTING WEEKENDS OR SAWS HOLIDAYS, BEFORE WORKING ON THE PIPE OR MANHOLE, IN ORDER TO HAVE SAWS REMOVE THE FLOW METER IN THE MANHOLE. ANY DAMAGE DONE TO THE FLOW METER WILL BE CHARGED TO THE CONTRACTOR THROUGH A CHANGE ORDER.

NOTES

1. CONTRACTOR MUST FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, GRADES, AND SERVICE LATERALS BEFORE START OF CONSTRUCTION (NSPI).

2. CONTRACTOR SHALL VERIFY AND CONTACT SAWS IF THERE ARE ANY LATERALS CONNECTING TO THE MAIN NOT SHOWN IN THE PLANS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OPERATION OF ALL EXISTING UTILITIES AFFECTED BY PROPOSED CONSTRUCTION.

4. SEPARATION DISTANCE BETWEEN PARALLEL WATER MAIN AND SEWER MAINS ARE IN ACCORDANCE WITH SAWS VARIANCES TO SECTIONS OF TCEQ RULES.

5. IF SANITARY SEWER LATERALS ARE WITHIN 9 FEET OF PROPOSED WATER SERVICE LINES, THE SANITARY SEWER LATERALS SHALL BE ENCASED WITH FLOWABLE FILL AS SHOWN IN THE DETAIL ON SHEET 14.

6. ALL TREE WORK SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST. CONTRACTOR SHALL INDICATE TO THE CITY OF SAN ANTONIO DSD PROPOSED LIMITS OF CLEARANCE WITH TREES DURING PRE-CONSTRUCTION MEETING AND WITH PROJECT SUBMITTALS.

7. CONTRACTOR SHALL HAND DIG ANY WATER SERVICE, FIRE HYDRANT BRANCH, OR SEWER LATERAL CONNECTIONS WITHIN 1/2 OF THE TREE ROOT PROTECTION ZONE (NSPI).

8. MAINTAIN MINIMUM VERTICAL CLEARANCE OF 2 FT WHERE SEWER MAIN CROSSES EXISTING AND PROPOSED UTILITIES, UNLESS OTHERWISE SHOWN ON PLANS. PROVIDE TEMPORARY SUPPORT OF EXISTING UTILITY AS REQUIRED. WHEN SEWER MAIN PARALLELS WATER MAIN, MAINTAIN MINIMUM 4 FT HORIZONTAL CLEARANCE.

9. CONTRACTOR SHALL MAINTAIN ACCESS TO PUBLIC AND PRIVATE FACILITIES DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE AND THE SAN ANTONIO WATER SYSTEM.

10. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND CONSULTANT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXPECTING FROM LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR CONSULTANT.

11. CONTRACTOR SHALL REMOVE AND REPLACE PAVEMENT, DRIVEWAYS, SIDEWALKS, CURB, FENCES, LANDSCAPING, IRRIGATION SYSTEMS AND OTHER SURFACE FEATURES DAMAGED BY CONSTRUCTION ACTIVITIES TO PRE-EXISTING CONDITIONS OR NEW MATERIAL. SURFACE RESTORATION SHALL BE INCIDENTAL TO SANITARY SEWER LATERALS (NSPI).

CPS ENERGY NOTES

1. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

2. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF IN OR ADJACENT TO WORK AREA.

3. ANY EXCAVATION WITHIN FIVE (5) FOOT OF CPS ENERGY POLES WILL REQUIRE AFFECTED POLES TO RECEIVE POLE BRACING AT CONTRACTOR'S EXPENSE.

4. ACCESS FOR CPS ENERGY MAINTENANCE PERSONNEL AND EQUIPMENT MUST BE MAINTAINED AT ALL TIMES.

5. WHEN EXCAVATING WITHIN TWENTY FOUR INCHES (24") OF THE INDICATED LOCATION OF CPS ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.

CITY OF SAN ANTONIO NOTES

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

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. 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 210-207-8052 AS SOON AS CONFLICTS WITH UTILITIES ARE ENCOUNTERED OR ANY DRAINAGE SYSTEM IS DAMAGED DURING CONSTRUCTION.

5. CONSTRUCTION SPOILS WILL NOT BE ALLOWED TO BE DEPOSITED ANYWHERE WITHIN A DRAINAGE EASEMENT, RIGHT-OF-WAY OR FLOODPLAIN WITH THE LIMITS OF THE PROJECT AND SHALL BE DISPOSED OFFSITE IN COMPLIANCE WITH CURRENT APPLICABLE REGULATIONS.

6. 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.

7. 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.

Table with 4 columns: SPEC NO., UNIT DESCRIPTION, UNIT, QUANTITY. Includes items like Mobilization (10% Max), Intermediate Demobilization and Remobilization (Sewer), Concrete Curb (COSA Spec), etc.

BGE, INC. C:\NAC\Projects\SAWS\SAWS - 2024_SMP Package III (Brenner Ave)\03_CADD\01_Sheets\SEWER\01_SEWER_GENERAL NOTES AND QUANTITIES.dwg Aug 14, 2023 1:52pm ncmhistoforakis

BGE, Inc. 7330 San Pedro, Suite 202 San Antonio, Tx 78216 Tel: 210-581-3600 • www.bgeinc.com TBPE Registration No. F-1046

Table with 4 columns: No., Revision, Drawn, Approved, Date. Row 1: ADDENDUM NO. 1, NIC, SHT, 08/17/2023

REVISIONS

2024 SMP PACKAGE III (BRENNER AVE) GENERAL CONSTRUCTION NOTES AND QUANTITY SUMMARY

DEVELOPER: CONT. BUDGET PROJ.

SUBMITTED

APPROVED

MAP No. 138574, 138576, 140576, 140578 SHEET 2 OF 15



Handwritten signature and date: 8/17/23