

2022 CIPP Package Solicitation Number: CO-00618

ADDENDUM 3 March 02, 2023

To Bidder of Record:

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

RESPONSES TO QUESTIONS

1. Question: CIPP standard specification section 901.4-3.e.6 requires a soil modulus of 500 psi be used in the CIPP thickness designs, but this soil modulus is overly conservative and will produce CIPP thicknesses that are thicker than needed, which will increase the difficulty of installation and overall project cost. On previous projects, this section has been replaced with language saying the Contractor was allowed to submit calculations signed and sealed by a Texas Professional Engineer utilizing other values for soil modulus so long as those values were part of the sealed calculations, the calculation method complied with ASTM F1216, and the soil modulus utilized did not exceed 1,000 psi. Please confirm that the Contractor will again be allowed to use values other than 500 psi for the soil modulus on this project.

Response: Yes, a soil modulus different than 500 psi may be used if documented site-specific soil data (signed and sealed by a Professional Engineer in the State of Texas) is provided with liner thickness design calculations required in 901.3 Submittals, section 4.

2. Question: CIPP standard specification section 901.4-3.e.7 specifies that the groundwater to be used in the CIPP thickness designs shall be at the ground surface or the elevation of the 100-year floodplain, whichever is greater. On previous projects, this section has been modified so that the reference to floodwater being used as a design parameter has been deleted. Please confirm that the floodwater will again not need to be considered in the CIPP thickness designs, and that this section shall be modified to simply require the groundwater depth to be at the ground surface. If floodwater loading must be included as a design parameter, please provide the elevation of the floodwater level to be applied at each of the applicable manholes on the CIPP alignments.

Response: 100-year floodplain need not be used in CIPP calculations for this project. CIPP calculations will need to consider groundwater at ground surface.

CHANGE TO SPECIFICATIONS

 Bid Proposal - Remove Bid Proposal and replace with the revised Bid Proposal attached to this Addendum. Updated Bid Proposal Estimated Quantity Table. This version of the bid proposal should be used by bidders when submitting a bid for this project. Failure to use the revised version of the bid proposal may result in the bid being found non-responsive.

CHANGES TO THE PLANS

- 1. General Notes & Quantities (Sheet 02 of 55) to be removed and replaced with the sheet attached to this Addendum.
 - a. The quantity table has been revised to incorporate the changes included on the Applewhite Site plans.

- **2.** Applewhite CIPP Plan Sheets (Sheets 8, 9 and 10 of 55) to be removed and replaced with the sheets attached to this Addendum.
 - a. The top of the rim and flowline elevations for the sanitary sewer main manholes have been revised.
 - b. Matchline labels have been revised.
 - c. Item 910 Manhole Rehabilitation quantity has been revised
- Applewhite Bypass Plan Sheet (Sheet 11 of 55) to be removed and replaced with the sheet attached to this Addendum.

a. Note #9 has been revised.

CLARIFICATIONS

 Addendum 2 listed Susan Rodriquez's last name and email incorrectly. The correct email address is <u>Susan.rodriquez@saws.org</u>.

END OF ADDENDUM

This Addendum including these two (2) pages is ten (10) pages in its entirety with the attachments. Attachments: Bid Proposal (3 pages) Plans Sheets 02, 08, 09, 10 and 11



March 02, 2023

Carl Bain PE Bain Medina Bain, Inc.

BID PROPOSAL

PROPOSAL OF	, a corporation
a partnership consisting of	
an individual doing businessas	

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 <u>180</u> 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

- (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

2022 CIPP PACKAGE SAWS Job No. 22-4524 Solicitation No. CO-00618

BID PROPOSAL

NO.	ITEM	BID PROF DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	EXTENSION		
1	103.1	Remove Concrete Curb (COSA Spec)	LF	56	\$	\$		
2	103.3	Remove Concrete Sidewalk & Driveways (COSA Spec)	SF	784	\$	\$		
3	160	Topsoil (4") (TxDOT Spec)	SY	50	\$	\$		
4	162	St. Augustine Sodding (TxDOT Spec)	SY	50	\$	\$		
5	500	Concrete Curb and Gutter (COSA Spec)	LF	56	\$	\$		
6	503.3	Portland Cement Concrete Driveway (CoSA Spec)	SY	87	\$	\$		
7	516.1	Bermuda Sodding (CoSA Spec)	SY	10	\$	\$		
8	530	Barricades, Signs, and Traffic Handling (CoSA Spec) (La Cantera)	LS	1	\$	\$		
9	530	Barricades, Signs, And Traffic Handling (CoSA Spec) (Applewhite)	LS	1	\$	\$		
10	530	Barricades, Signs, And Traffic Handling, (COSA Spec) (Site 18)	LS	1	\$ 	\$		
11	530	Barricades, Signs, And Traffic Handling, (COSA Spec) (SH 16 Bandera Road)	LS	1	\$	\$		
12	540.1	Rock Filter Dam (CoSA Spec)	LF	85	\$	\$		
13	540.9	Temporary Sediment Control Fence (CoSA Spec)	LF	80	\$	\$		
14	801	Tree Protection (COSA Spec)	LS	1	\$	\$		
15	851	Existing Manhole Adjustment	EA	4	\$	\$		
16	855	Reconstruction of Existing Manhole	EA	2	\$	\$		
17	865	Bypass Pumping (Small Diameter Sanitary Sewer) (La Cantera)	LS	1	\$	\$		
18	865	Bypass Pumping (Small Diameter Sanitary Sewer) (Applewhite)	LS	1	\$	\$		
19	865	Bypass Pumping (Small Diameter Sanitary Sewer) (Site 18)	LS	1	\$	\$		
20	865	Bypass Pumping (Small Diameter Sanitary Sewer) (SH 16 Bandera Road)	LS	1	\$	\$		
21	866	Sanitary Sewer Main Television Inspection (8" through 15")	LF	430	\$	\$		
22	866	Sanitary Sewer Main Television Inspection (18" through 24")	LF	1,557	\$ 	\$		
23	901	Install CIPP 8" Sanitary Sewer Pipe (Hot Water) (All Depths)	LF	430	\$	\$		
24	901	Sanitary Sewer Pre-Liner - 8"	LF	269	\$	\$		
25	901	Install CIPP 21" Sanitary Sewer Pipe (Hot Water) (All Depths)	LF	1,557	\$ 	\$		
26	910	Manhole Rehabilitation	VF	118	\$	\$		
27	SS1103	Point Repair (21") (Internal)	EA	1	\$	\$		
28	1103	Point repairs for 8" Diameter, (0'-10' depth) including up to 20 LF of piping	EA	2	\$	\$		
29	1103	Extra length point repair, 8" Diameter, (0'-10' depth)	LF	30	\$	\$		

NO.	ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE			EXTENSION		
30	1103.1	Obstruction Removal By Remote Device, 18" and Larger Dia. (All Depths)	EA	1	\$		\$			
31	1109	Service Reconnections (by Remote Control Cutting Device)	EA	5	\$		\$			
32	1109	Service Reconnections (by Open Cut Excavation)	EA	1	\$		\$			
33	6001	Portable Changeable Message Sign (TxDOT Spec)	EA	7	\$		\$			
Subtotal (Line Items 1 - 33)							\$			
34	100	Mobilization and Demobilization (Max. 10% of Line Items 1 - 33)	LS	1	\$		\$			
35		Preperation of Right-of-Way (Max. 5% of Line Items 1 - 33)	LS	1	\$		\$			
36	102.1	Intermediate Demobilization and Remobilization	EA	1	\$		\$			
Total Bid Price (Line Items 1-36)							\$			

Mobilization and Demobilization lump sum bid shall be limited to a maximum 10% of the 1-33 Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Items 1-33 Sub-total Base Bid amount. The Line Item 1-33 Sub-total base bid is defined as all bid items EXCLUDING Item 100, Mobilization and Demobilization Item 101, Preparing Right-of-Way. In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization and Demobilization of ROW bid items the written percentage will govern. If the percentage written exceeds the allowable maximum stated for mobilization , demobilization, or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.

A WIND SEPARATE MAGAZURAMENT OR PAYMENT SHALL BE MADE FRO THIS VORK.											
<form></form>		20. THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED. IN ACCORDANCE WITH SAWS	BYPASS PUMPING NOTES								
<form></form>	1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL	STANDARD SPECIFICATION ITEM NO. 885, "BYPASS PUMPING SMALL DIAMETER SANITARY, SPACES" AS APPLICABLE, PAYMENT FOR SUCH WORK WILL BE MADE		FOR							
<form></form>		UNDER THE APPROPRIATE BID ITEM ASSOCIATED WITH SAMITARY SEWER BYDASS DI MENING IN ACCORDINANCE WITH SAMIS STANDARD SDECKETATIONS 985	REVIEW AND APPROVAL PRIOR TO COMMENCING OF THE CONSTRUCTION	ION.							
<text></text>	A. CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) 'DESIGN CRITERIA		2. SEWER WORK AND CLEAN UP SHALL BE IN ACCORDANCE WITH THE SEVEN WORK AND CLEAN UP SHALL BE IN ACCORDANCE WITH THE	UTIEV							
<text></text>	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.	21. PROFETO TEEMS, ANT SHOTDOWNS OF EASTING FORCE MAINS OF ANY SIZE MUST WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 AND/OR SAV	AND TRAIN PERSONNEL RESPONSIBLE FOR SPILLAGE PREVENTION AND	ND NEED							
<text></text>	B. CURRENT TXDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE."	ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TE-INS; THIS IS AT NO A	DDITIONAL COST IN ADVANCE OF WAKE ABOUT THE WORK ENVIRONMENT INCLUDING WH	HAT TO							
<page-header><form></form></page-header>	C CURRENT 'SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEARCH CONSTRUCTION."	TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO WORK ACCORDINGLY.		OND							
<page-header><form></form></page-header>	D. CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR CONSTRUCTION." CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CONTROL AND ALL " (JECN).		BE THE 3. IN SITUATIONS WHERE BYPASS LINE IS TO BE PLACED THROUGH A CL	CULVERT							
<text></text>	 CONTENT OF OWNER ONE OF AN EXAMPLE OF AN EXAM	RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS MANHOLES TO MATCH THE FINISHED GRADE OF THE PROJECT'S IMPROVEMENTS INS	FOR TOP OF OR WITHIN THE 100YEAR FLOODPLAIN, THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AND SUPPORT THE BYPASS LINE DURING								
<page-header><form><form><form><form><form><form></form></form></form></form></form></form></page-header>	2 THE COMPACTOR ORGAUSINESS CENTER/SPECS/CONSTSPECS/CONSTSPECS_2020INDEX.CPM HTTPS://APPS.SAWS.ORG/BUSINESS_CENTER/SPECS/CONSTSPECS/CONSTSPECS_2020INDEX.CPM	23 SMART MANHOLE COVERS: THE CONTRACTOR SHALL NOTEY SAWS FOC AT 210-704	CONSTRUCTION.								
<text><form><form><form><form><form><form><form><form></form></form></form></form></form></form></form></form></text>	UNLESS OTHERWISE NOTED WITHIN DESIGN PLANS.	(210-233-7297) AND EITHER AMERICA ESPINOZA AT 210-233-2934 OR JOSE A. MARTINE 210-233-2921 A MINIMUM OF 72 HOURS, NOT COUNTING WERKENDS OR SAWE HOURS	Z AT 4. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SAN ANTONIO I OF WAY MANAGEMENT DIVISION AND TXDOT TO IDENTIFY AND OBTAIN A	I ALL							
<text><form><form><form><form><form><form><form><form></form></form></form></form></form></form></form></form></text>	 THE CONTRACTOR IS TO NOTE F AND MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 (DURING REGULAR SAWS WORKING HOURS), AND PROVIDE 	WORKING ON THE PIPE OR MANHOLE, IN ORDER TO HAVE SAWS REMOVE THE SMAR ANY DAMAGE DONE TO THE SMART COVER MUL BE CHARGED TO THE CONTRACTOR	T COVER. NECESSARY PERMITS.								
<form></form>	AND/OR PROPERTY OWNERS TWO (2) WEEKS PRIOR TO EXCAVATION, OUTSIDE OF REGULAR SAWS			TIONS							
<text><form><form><form><form><form><form><form><form></form></form></form></form></form></form></form></form></text>	WORKING HOURS THE SAWS ECC SHOULD BE CONTACTED AT 210-704-7297.	24. FLOW METERS IN MANHOLES: THE CONTRACTOR SHALL NOT FY BOBBY JOHNSON A OR ABEL ROBINDA AT 310-23 - 200 A MINIMUM OF 72 NOT FY BOBBY JOHNSON A	T 210-233-3493				LA CAMTERA PARKWAY	APPLEWHITE	SITE 19 BPC EAST	T SH 55 Derotera Breef	
<text><form><form><form><form><form><form><form></form></form></form></form></form></form></form></text>	 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 	SAWS HOLIDAYS, BEFORE WORKING ON THE PIPE OR MANHOLE. IN ORDER TO HAVE	SAWS REMOVE	TEM	DPS/DDPT I ON	UNIT					TOTAL
<text><form><form><form><form><form><form><form></form></form></form></form></form></form></form></text>		TO THE CONTRACTOR THROUGH A CHANGE ORDER.	SE CHARGED	10.1 Pa	entrue Descripte Dath (CDBA Rear)	16					
<text></text>	ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD	1 DUE TO EEDERAL REGULATIONS TITLE 49 DART 192 191 OR MUST MAINTAIN				SF		842	406	37	784
<text></text>	RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND	ACCESS TO GAS VALVES AT ALL TIMES, THE CONTRACTOR MUST PROTECT AND WORK ARVIND ANY CAS VALVES THAT ARE NITHE DRO JECT ARE				SY	51				50
<text><text><text><text><text><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><form><text><text></text></text></form></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></text></text></text></text></text>	TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.	a THE CONTRACTOR INFL BE REPORTED FOR DROTECTING COR ONERHEAD AND		502 B.		SY 16	50			-	50
<text></text>	6 THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT.	UNDERGROUND ELECTRIC FACILITIES OF ADJACENT TO WORK AREA	1. TRENCH EXCAVATION SAFETY PROTECTION SHALL BE ACCOMPLISHED AS	503.3 Por	reland Camera Canonate Driveway (CoSA Spec)	sr		38	45	4	67
<form></form>	AS BUILTS FOR SAWS INFRASTRUCTURE CAN BE OBTAINED AT WEBSITE BELOW, CONTRACTOR SHALL COORDINATE PHYSICAL LOCATES FOR SAWS INFRASTRUCTURE THROUGH THE SAWS	CITY OF SAN ANTONIO NOTES	REQUIRED BY THE MOST RECENT PROVISIONS OF PART 1925, SUBPART P-EXCAVATIONS, TRENCHING AND SHORING OF THE OSHA STANDARDS AND	516,1 Bin	irmuda Sodding (CoSA Spec)	SY			10		10
<form></form>	INSPECTOR: PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS INFRASTRUCTURE. THE FOLLOWING CONTACT INFORMATION	1. ALL LIMITS FOR CURB, SIDEWALK, AND TREE PREP BEYOND WHAT IS		530 Ber		LS	1			_	1
<form></form>	ARE SUPPLIED FOR VERIFICATION PURPOSES:	ADDRESSED BY THE SAWS INSPECTOR. ALL COMMUNICATION WILL BE ADDRESSED BY THE SAWS INSPECTOR. ALL COMMUNICATION FROM THE CITY MUL BILL COMPUTIENT THEORY AND CAME INTERTION.	2. MAINT AIN MINIMUM VERTICAL CLEARANCE OF 2 FT WHERE SEWER MAIN CROSSES EXISTING AND PROPOSED UTILITIES, UNLESS OTHERWISE SHOWN ON			LS	+	-	1	1	
<form></form>	SAN ANTONIO WATER SYSTEM: REQUEST AS-BUILTS: HTTPS://WWW.SAWS.ORG/SERVICE/.OCATES-SERVICE/	INSPECTOR WILL ALSO DETERMINE IF ADDITIONAL COMPENSATION IS INSPECTOR WILL ALSO DETERMINE IF ADDITIONAL COMPENSATION IS	PLANS, PROVIDE TEMPORARY SUPPORT OF EXISTING UTILITY AS REQUIRED. WHEN SEWER MAIN PARALLELS WATER MAIN, MAINTAIN MINIMUM 4 FT	530 Ete	antcades, Signs, And Traffic Handing, (DDSA Spec) (SH 16 Denders Road)	LS				1	1
<text><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></text>	COSA DRAINAGE 210-206-0433 COSA TRAFFIC SIGNAL OPERATIONS 210-207-7720	WHITTON TED IF LIMITS EXCEED INCIDENTALS.				U"	81			-	8
<text><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></text>	TEXAS STATE MIDE ONE CALL LOCATOR 1-800-545-8005 OR 811	2. PHION TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL REQUIRED STORM WATER PERMITS, FEES, AND APPROVALS, NO CONSTRUCTION OR	 SEPARATION DISTANCE BETWEEN PARALLEL WATER MAIN AND SEWER MAINS ARE N ACCORDANCE WITH SAWS VARIANCES TO SECTIONS OF TCED RULES. 	540.9 Ter 801 Tre		1.8	80	+	-	-	1
<form></form>	 THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND STRUCTURES TO ITS ORIGINAL OR 	FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THROUGHLY REVIEWED ALL PERMITS REQUIRED FOR CONSTRUCTION IN		851 241			2	1	1		4
<form></form>	BETTER CONDITION AS A RESULT OF DAMAGES DONE BY THE PROJECT'S CONSTRUCTION.	DRAINAGE EASEMENTS, RIGHT OF WAYS, AND FLOODPLAINS.			acconstruction of Existing Manhola	EA			1	1	2
<form></form>	 CONTRACTOR SHALL NOT MAKE USE OF DUMPSTERS OR WASTE BINS THAT ARE INTENDED TO SERVE RESIDENTS AND/YOR PUBLICATED 	3. THE CONTRACTOR SHALL NOT FY STORM WATER ENGINEERING AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN		045 Byg	grass Pumping (Brind Diameter Sanitary Sewer) (La Cantera)	LS	1				1
<form></form>		A DRAINAGE EASEMENT OR STREET RIGHT OF WAY NOT INDICATED ON THE CONSTRUCTION PLANS.	6. TREE PRUNING, PROTECTION, OR TRIMMING SHALL BE COMPLETED TO COMPLY WITH THE CITY OF SAM MITCHIO WISEL	885 0.4	parts Pumping (Small Diameter Sanitary Sever) (Site 18)	LS			1		1
<text></text>	SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND	4 THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING DRAINAGE				LS				1	- 1
<text></text>		FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING DRAINAGE SYSTEMS. WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE THE RESPONSIBILITY OF	LIMITS OF CLEARANCE WITH TREES DURING PRE-CONSTRUCTION MEETING AND			UF			209	161	
<text></text>	MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.	THE CONTRACTOR TO REPAIR AT HIS EXPENSE. THE CONTRACTOR SHALL NOTEY, STORM WATER ENGINEERING AT 210 205 R433 AS SOON AS CONFLICTS					205	1,04	260	151	
<text></text>	11. ALL WORK WITHIN THE 100-YEAR FLOODPLAIN SHALL BE DONE IN ACCORDANCE WITH ELCODDM AND DRUELON WHAT DEBUT	WITH UTILITIES ARE ENCOUNTERED OR ANY DRAINAGE SYSTEM IS DAMAGED DURING CONSTRUCTION	O CONTRACTOR CHALL REMOVE AND DEDLACE DAVENEST. DRUGHAVE CIDENNIAC	901 Sw		UF			269		209
<form></form>			CURB, FENCES, LANDSCAPING, IRRIGATION SYSTEMS AND OTHER SURFACE	901 htt	stall CPP 21' Sentery Sever Pipe (Hot Weler) (All Deptra)	UF	263	1294			ő
<form></form>	IN THESE PLANS AND SPECIFICATIONS WILL NOT BE COMPENSATED BY THE SAN ANTONIO	WITHIN A DRAINAGE EASEMENT, RIGHT OF WAY, OR FLOODPLAIN WITHIN THE LIMITS OF THE PROJECT AND SHALL BE DISPOSED OF SITE IN COMPLIANCE	CONDITIONS OR NEW MATERIAL, SURFACE RESTORATION SHALL BE INCIDENTAL	\$12 Ma	antale Retublication	1F	40		P	8,54	2
<text></text>				1105 Pol					2		2
<form></form>		6. NO STRUCTURE, FENCES, WALLS, LANDSCAPING, OR OTHER OBSTRUCTIONS THAT MORIDI ORANAGE SHALL BE PLACED WITHIN THE UNITS OF THE PROJECT	CONNECT ACTIVE SERVICE.			UF			30		30
<form></form>	WEEKEND WORK: CONTRACTORS ARE REQUIRED TO SUBMIT REQUEST TO THE SAWS INSPECTION	AND SHALL BE DISPOSED OFFSITE IN COMPLIANCE WITH CURRENT APPLICABLE REGULATIONS	11. CONTRACTOR TO PROTECT, SUPPORT, MAINTAIN, AND COORDINATE IN ADVANCE	1100.1 08	bstruction Removel By Remote Device, 18" and Larger Die. (All Depths)	EA	-	1	-		1
<form></form>	REQUESTED. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.	T LICON COMPLETION OF TRENCHING THE AREA WILL BE BACKELLED AND	CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF WATER	1109 59			-		1	-	3
<form> A Normal and the state of the</form>	ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT WEEKEND APPROVAL WILL BE SUBJECT	COMPACTED TO ITS ORIGINAL CONDITION, TRENCHES/BORE PITS TO BE ORIVIAND UNATTINDED LONGER THAN 24 NO URS SHALL BE PROTECTED	MAIN F DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO SAVIS.				2	2		2	7
<form> A Normal and the state of the</form>	TO BE UNCOVERED FOR PROPER INSPECTION AT NO COST TO SAWS.	TO WITHSTAND ALL HYDRODYNAMIC AND HYDROSTATIC FORCES AND PREVENT	ROLLED ASPHALTIC BASE OVER THE DRIVEWAY WILL CONTINUE TO BE USABLE WITH A ROLLED ASPHALTIC BASE OVER THE DRIVEWAY OUT, THE CONTRACTOR WILL								1
<form> A Normal and the state of the</form>	PRECON SITE VILLED BEFORE THE START OF ANY CONSTRUCTION. THE SITE MUST BE VIDED RECORDED BY THE CONTRACTOR WITH ONE COPY SUBMITTED TO SAWS INSPECTIONS.	DAYS AFTER STARTING EXCAVATION SHALL BE BACKFILLED WITH A SEMI DRYS AFTER STARTING EXCAVATION SHALL BE BACKFILLED WITH A SEMI	MAINTAIN THE TEMPORARY DRIVEWAY FOR OWNER'S USE.			LS EA			-		1
<text></text>	A PRE-SITE VIDEO WILL PROVIDE ACCURATE DOCUMENTATION OF THE EXISTING CONDITIONS (NSPI).	A MODOWED CERTICAL OF FADELING CHANNELS AND YOR MATERIANS WILL BE	 ASPHALT PAVEMENT RESTORATION WILL FOLLOW PERMANENT ASPHALT TRENCH REPAIR DETAIL ON MISCELLANEOUS DETAILS SHEET. 	<u> </u>							
<text></text>	5 POWER POLE BRACING: CONTRACTORS SHOULD BE ADVISED THAT THERE ARE EXISTING OVERHEAD UTILITY POLES ALONG THE PROJECT CORRIDOR. CONTRACTORS SHOULD FURTHER	VEGETATED BY SEEDING OR SODDING, EIGHTY-FIVE PERCENT OF THE CHANNEL	14. CONTRACTOR IS RESPONSIBLE FOR LOCATING A NEARBY FIRE HYDRANT AS A SOUL	URCE							
<text></text>	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	SARFACE AREA MUST HAVE ESTABLISHED VEGETATION BEFORE THE CITY OF SAN ANTONIO WILL ACCEPT THE CHANNEL FOR MAINTENANCE.	OF WATER FOR CIPP OPERATION, IN CASE THAT A FIRE HYDRANT IS NOT NEAR THE THE CONTRACTOR IS RESPONSIBLE FOR SUPPLING WATER TO COMPLETE THE TAS	E AREA, SK AT					IM 02		
<text></text>	A DETERMINATION MADE BY UTILITY POLE OWNER. COSTS INCURRED BY CONTRACTOR FOR BRACING OF THESE UTILITY POLES IS SUBSIDIARY TO THAT RESPECTIVE UTILITY COMPANYS	CURED-IN-PLACE PIPE (CIPP) SEQUENCING NOTES	NO ADDITIONAL COST TO SAWS.					ADDENDO	5101 055		
 Market and contractions in the formation of the state is a contraction of the state	WORK. IT IS ADVISABLE FOR THE CONTRACTOR TO REVIEW THE CONSTRUCTION DOCUMENTS, AND VISIT THE CONSTRUCTION SITE TO DETERMINE POTENTIAL IMPACTS.	 CONTRACTOR TO PERFORM WORK IN THE FOLLOWING SEQUENCE, SAWS AND ENGINEER APPROVAL WILL BE REQUIRED AT EACH BELOW STEP BEFORE 	15. CONTRACTOR IS RESPONSIBLE TO PROVIDE LIGHTING IF WORK IS REQUIRED TO BE PERFORMED AT NOGHT WHEN TRAFFIC IS MINIMAL, LIGHTING FOR AFTER HOURS	ie RS							
 Market and contractions in the formation of the state is a contraction of the state	18. CONSTRUCTION SEQUENCING: IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SCHEDULE	CONTRACTOR CAN PROCEED TO NEXT SEQUENCE. CONTRACTOR TO SUBMIT PROPOSED SCHEDULE OF EACH TASK IN THIS SEQUENCE. PRIOR TO BEGINNING	CONSTUCTION IS TO BE SUPPLIED BY THE CONTRACTOR AT NO ADDITIONAL COS SAWS.	DST TO							
 Market and contractions in the formation of the state is a contraction of the state	SEQUENCING FOR REMOVAL AND INSTALLATION OF EXISTING AND PROPOSED SAWS UTILITIES IN CONJUNCTION WITH GENERAL PROJECT CONSTRUCTION. SEQUENCE OF CONSTRUCTION	CONSTRUCTION, CONTRACTOR SHALL MINIMZE THE DURATION OF BYPASS PUMPING OPERATION.	16, CONTRACTOR IS TO ASSURE THAT ALL MATERIALS NEEDED TO COMPLETE THE								
 Market and contractions in the formation of the state is a contraction of the state	 ACTIVITIES SHALL BE CONSIDERED IN ORDER TO MINIMIZE THE EXTENT AND DURATION OF DISTURBANCES. 	A. CONTRACTOR TO SETUP BYPASS PUMPING PER SPEC 865 OF CONTRACT DOCUMENTS	CONSTRUCTION ARE ON HAND IN ORDER TO MINIMIZE UNECESSARY WORK STOPPAGE FOR EXTENDED PERIODS OF TIME.								
 Market and contractions in the formation of the state is a contraction of the state		B. CONTRACTOR TO PREPARE THE EXISTING LIVE INCLUDING CLEANING AS NEEDED AND PERFORM CCTV SURVEYS PER THE CONTRACT									
 Market and contractions in the formation of the state is a contraction of the state	5 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/	DOCUMENTS: C. CONTRACTOR TO PERFORM EXPLORATORY WORK ON THE EXISTING	SERVICE LATERALS:					-	-		
 Market and contractions in the formation of the state is a contraction of the state	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	SEWER LINE AT THE POINT REPAIR LOCATION AS WELL AS ALL OTHER UTILITIES IN CONFLICT PER THE CONTRACT DOCUMENTS.	1. THE EXACT LOCATION AND ELEVATION OF THE SERVICE LATERALS AND	4D				C. Star		The sea acc	sealing on this
 Market and contractions in the formation of the state is a contraction of the state		D. CONTRACTOR TO PERFORM INTERNAL OBSTRUCTION REMOVAL TO ADDRESS ANY OBSTRUCTIONS PER CONTRACT DOCUMENTS.	MANHOLES SHALL BE FIELD VERIFIED BY THE CONTRACTOR. (NSPI)					13 8		document war	s authorized by I BAIN
 Market and contractions in the formation of the state is a contraction of the state	18. TRENCH EXCAVATION SAFETY PROTECTION: CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAU/SAFETY/EQUIPMENT	E. CONTRACTOR TO PERFORM THE POINT REPAIR PER THE CONTRACT DOCUMENTS.	 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING EACH EXISTING SERVICE LINE FROM THE EXISTING MAIN AND RECONNECTING 	ан 46				CARL	BAIN	P.E. 56	5995 ON
A THE DESCRIPTION OF A LOT THE CONTRACTOR BALL LOT AND CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACTOR BALL LOT AND CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACTOR BALL LOT AND CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACTOR BALL LOT AND CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE DESCRIPTION OF	CUNSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREAS IN ORDER TO	2. INFORMATION SHOWN IS BASED ON RECORD INFORMATION. CONTRACTOR SHALL	THE SERVICE TO THE NEW SERVICE MAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS SERVICE. (NSPI)	se.				569	96	17	D
A THE DESCRIPTION OF A LOT THE CONTRACTOR BALL LOT AND CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACTOR BALL LOT AND CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACTOR BALL LOT AND CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACTOR BALL LOT AND CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE CONTRACT TANKS A THE DESCRIPTION OF A LOT THE DESCRIPTION OF	ON INFLEMENT CUNTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES: THE CONTRACTOR'S INFLEMENTATION OF THE SYSTEMS, PROGRAMS							Sec. Tors	- 18 S	land 1.	1
A The Description of the segment and the	ANLACK PROUGEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPUES WITH AS A MINIMUM OSHA STANDARDS FOR TRENCH EXCAVATIONS SPECIFICALLY.	 INFORMATION IS APPROXIMATE BASED ON AS-BUILTS BY OTHERS, CONTRACTOR SHALL PERFORM EXPLORATORY INVESTIGATIONS AS NEEDED (INSPI). 						210NI	L		
A The Description of the segment and the	GONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA	REHABILITATION NOTES:	INSTALLATION NOTES			1	BAL	N MEDIN	A BAIN	INC.	
A The Description of the segment and the	-2, S STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.	 THE CONTRACTOR SHALL USE CIPP METHODS IN SECTIONS OF THE SEWER MAINS THAT ARE IDENTIFIED ON THE ENGINEERING PLANS FOR 				- M	Ó ""	ENGINEERS	& SURVEYO	RS .	
Ben The Contractors Reported From Report Net From Contractors Provided From Contractors Pro	9 d <u>Sewer</u>	REHABILITATION/ REPLACEMENT IN ACCORDANCE WITH THE TRAFFIC CONTROL AND BYPASS PUMPING PLANS DEVELOPED FOR THE PROJECT.	1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND ACQUIRE THEIR			V	7073 5	n Pedro, Sen	Antonio, Tex	cas. <u>78216</u>	an only
A contract to the contract contrent contract contract contract contract contract contract contrac	19. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOWS (SSO) OCCUR AS A RESULT OF THEIR WORK, ALL CONTRACTORS					raone:	~10-494-78				IDI.CON
A dependence of the source of	RESPONSIBLE FOR SSO PREVENTION AND CONTROL SHALL BE TRAINED ON PROPER RESPONSE. SHOULD AN SSO OCCUR THE CONTRACTOR SHALL:					57	11	202	2 UPP PACKA	HUE	
 A DODERSO OF REAL INDUSTRY UNLIES OF FLOX. A DODERSO OF REAL AND RESTRUCTURES OF LOW. A DODERSO OF REAL AND RESTRUCTURES OF REAL	A. IDENTIFY THE SOURCE OF THE SSO AND NOTIFY SAWS EMERGENCY OPERATIONS CENTER IMMEDIATELY AT 210 233 2015. PROVIDE THE	 IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND ACQUIRE THEIR OWN STAGING AREA, INCLUDING PARKING AREA, TO 	VIDED RECORD THE INSTALLED SEWER MAINS IN ACCORDANCE WITH ITEM NO.885 SEWER MAIN TELEVISION INSPECTION: TO DOCUMENT SATISFACTORY COMPLETIO	Ion		<u>- 7</u> 2	41				
 a. Contraction sequence from the second proting secon	★ N ADDRESS OF THE SPILL AND AN ESTIMATED VOLUME OF FLOW. B. ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.	ACCOMMODATE CONSTRUCTION PERSONNEL VEHICLE PARKING(NSPI).					₹ GE	ENERAL I	NOTES &	QUAN	TITIES
0 0.2.UNU IN THE STATUS	C. CONTRACTOR SEMAGE FROM THE SSD TO THE EXTENT POSSIBLE TO PREVENT CONTAMINATION OF WATERWAYS	 AFTER INSTALLATION IS COMPLETED, THE CONTRACTOR SHALL TELEVISE AND VIDEO RECORD THE REHABILITATED SEWER MAINS IN ACCORDANCE WITH 				-	/				
Service Substances and service	COLLECTION SYSTEM IF POSSIBLE) AND DISPOSE OF CONTAMINATED	I EM NO. 866 "SEWER MAIN TELEVISING INSPECTION" TO DOCUMENT SATISFACTORY COMPLETION OF WORK TO THE ENGINEER AND OWNER.	4. CONTRACTOR MUST FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, GRADES A	AND							
Proving and the second methods and the s	SOLMATERIALS. E. CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.				CON	r.		BUDGE	T PROJ.		
N = 0.1 SAW SECTION WITH ST 10-026. TO THE ADDRESS ALL SCO DARGENETS VAC TO THE ADDRESS ALL SCO DARGENETS	F. MEET ALL POST-SSO REQUIREMENTS PER THE EPA CONSENT DECREE INCLUDING LINE CLEANING AND TELEVISING THE AFFECTED SEWER MAINS	RECONSTRUCTION OF SANITARY SEWER LINES (POINT REPAIRS) AND MANHOLES. (NSPI)	 CONTRACTOR TO VERIEY PIPE SIZE DIAMETERS PRIOR TO ORDERING CIPP LINER. 		SUB	ATTED .					
3 TO THE SAME SUBJECTION. THEY MILL BE RESERVISED FOR ALL THE MADE MADE SUBJECTION. THEY MILL BE MADE FOR THE SAME ALL MORE SUBJECTION. THEY MILL BE MADE FOR THE SAME ALL MORE SUBJECTION. THE SAME ALL MORE	A SAWS DIRECTION; WITHIN 24 HOURS. G. SHOULD THE CONTRACTOR FAIL TO ADDRESS AN SSO IMMEDIATELY AND					OVED					
B AUG SEPARATE VERSIONERS OF INVENTIONAL DE MARE FOR TO SEVORA BOY SUBMITIAL SECT. MA BOY SUBMITIAL BOY SUBMI	TO THE SAWS SATISFACTION, THEY WILL NE RESPONSIBLE FOR ALL THE ADDITIONAL COSTS INCURRED BY SAWS, INCLUDING ANY FINES FROM THE EPA.				INVELATION OF BELIEVED FOR ANY REPORT WITHOUT THE VALUES OF THE VALUES O	No. 120	644, 176802				SHEET
Ke ALL WORK SHALL BE DONE ACCORDING TO BUILDELINES SET BY THE TOED MID SAWS.	NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FRO THIS WORK.				AND AND A DRAFT AND				10011-000011111		2
	ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TOED AND SAWS.				COPYREM TIONA AND RECEIVANDER, PC: O	ML	CK. RM	C8	JOB No. 22-4524	•	OF 55







