



**2024 SMP Package II (Lark St) Project**  
**Solicitation Number: CO-00666**  
**Job No.: 22-5040 & 22-5536**

**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.

<b>RESPONSES TO QUESTIONS</b>
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- 1. Question:** What is the expected job start date for the project?

Response: Construction NTP is expected to be issued out between October 16<sup>th</sup> and November 6<sup>th</sup>, 2023.
- 2. Question:** Are there any contaminated soils or liquids?

Response: No environmental testing was conducted during design and no contaminated soils or liquids are expected.
- 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: No geotechnical testing was conducted during design.

**CHANGES TO SPECIFICATIONS**

1. ***Remove and replace the Bid Proposal (BP-1, BP-2, BP-3, BP-4, BP-5, BP-6) in its entirety and replace with the attached Bid Proposal with added items for SAWS Specification 102, Intermediate Demobilization and Remobilization. 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.***

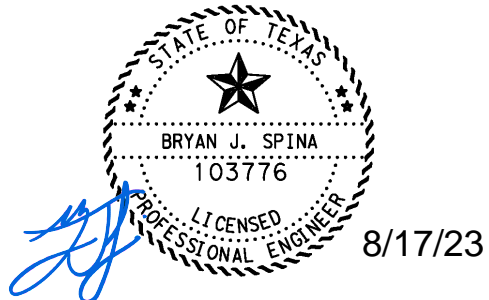
**CHANGES TO PLANS**

1. ***Remove and replace Page W3 to the water plans with the page dated 8/15/2023 as items for SAWS Specification 102, Intermediate Demobilization and Remobilization have been added.***
2. ***Remove and replace Page S2 to the sewer plans with the page dated 8/17/2023 as items for SAWS Specification 102, Intermediate Demobilization and Remobilization have been added.***

**END OF ADDENDUM 1**

This Addendum, including these two (2) pages, is eleven (11) pages in its entirety, with three (3) attachments.

Attachments: Bid Proposal (7 pages)  
Page W3 of the Water Plans (1 page)  
Page S2 of the Sewer Plans (1 page)



Bryan J. Spina, P.E.  
Ardurra Group, Inc.  
TBPLES Firm No. F-10053

BID PROPOSAL

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

THE SAN ANTONIO WATER SYSTEM:

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

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

\_\_\_\_\_  
BIDDER'S SIGNATURE & TITLE  
\_\_\_\_\_  
FIRM'S NAME (TYPE OR PRINT)  
\_\_\_\_\_  
FIRM'S ADDRESS  
\_\_\_\_\_  
FIRM'S PHONE NO. /FAX NO.  
\_\_\_\_\_  
FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following: **Addendum Nos.** \_\_\_\_\_

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

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **300** 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 II (Lark St.) Water Plans  
 SAWS Job No. 22-5040**

Item No.	Spec No.	Description	Unit	Quantity	Unit Price	Total Price
<b>SAWS SPECIFICATIONS</b>						
1W	299	FLOWABLE FILL	CY	21	\$	\$
2W	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	2,692	\$	\$
3W	818	6" PVC WATER MAIN	LF	20	\$	\$
4W	818	8" PVC WATER MAIN	LF	2,617	\$	\$
5W	818	12" PVC WATER MAIN	LF	5	\$	\$
6W	822	CUSTOMER SHUT-OFF VALVE	EA	81	\$	\$
7W	824	RELAY 3/4" SHORT SERVICE	EA	35	\$	\$
8W	824	RELAY 3/4" LONG SERVICE	EA	43	\$	\$
9W	824	RELAY 1" SHORT SERVICE	EA	3	\$	\$
10W	824	NEW UNMETERED 3/4" SHORT SERVICE	EA	5	\$	\$
11W	828	8" GATE VALVE	EA	6	\$	\$
12W	828	12" GATE VALVE	EA	1	\$	\$
13W	833	EXIST METER AND EXIST METER BOX RELOCATION	EA	81	\$	\$
14W	834	FIRE HYDRANT ASSEMBLY	EA	6	\$	\$
15W	836	PIPE FITTINGS, ALL SIZES & TYPES	TON	2.65	\$	\$
16W	840	6" WATER TIE-IN	EA	2	\$	\$
17W	840	8" WATER TIE-IN	EA	2	\$	\$
18W	840	12" WATER TIE-IN	EA	1	\$	\$
19W	841	HYDROSTATIC TESTING	EA	4	\$	\$
20W	844	2" TEMPORARY BLOWOFF	EA	4	\$	\$
21W	856.2	8" CARRIER PIPE (OPEN CUT)	LF	50	\$	\$

22W	856.3	CASING OR LINER 24" (OPEN CUT)	LF	50	\$	\$
23W	1015	SERVICE LINE BREAK/LEAK REPAIRS (3/4" & 1") COPPER SERVICE	EA	2	\$	\$
24W	1020	WATER MAIN BREAK/LEAK REPAIRS (6"-8")	EA	2	\$	\$
25W	3000	REMOVAL, TRANSP AND DISPOSAL OF AC PIPE	LF	156	\$	\$
<b>CITY OF SAN ANTONIO SPECIFICATIONS</b>						
26W	COSA 103	REMOVE CONCRETE CURB	LF	495	\$	\$
27W	COSA 103	REMOVE CONCRETE SIDEWALKS AND DRIVEWAYS	SF	1,330	\$	\$
28W	COSA 103	REMOVE MISCELLANEOUS CONCRETE	SF	424	\$	\$
29W	COSA 203	TACK COAT	GAL	315	\$	\$
30W	COSA 205	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)	SY	3,028	\$	\$
31W	COSA 205	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH)	SY	1,319	\$	\$
32W	COSA 208	SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH)	SY	1,534	\$	\$
33W	COSA 500	CONCRETE CURB	LF	495	\$	\$
34W	COSA 502	CONCRETE SIDEWALKS	SY	126	\$	\$
35W	COSA 503	PORTLAND CEMENT CONCRETE DRIVEWAY- RESIDENTIAL	SY	31	\$	\$
36W	COSA 506	CONCRETE RETAINING WALLS (COMB. TYPE)	CY	15	\$	\$
37W	COSA 530	BARRICADES, SIGNS, AND TRAFFIC HANDLING	EA	1	\$	\$
WATER SUBTOTAL					\$	

<b>SAWS SPECIFICATIONS</b>					
<b>Spec No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Total Price</b>
100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF WATER SUBTOTAL	L.S.	1	\$	\$
101	PREPARING ROW, MAX 5% OF WATER SUBTOTAL	L.S.	1	\$	\$
102	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (WATER)	EA	1	\$	\$

Mobilization lump sum bid shall be limited to a maximum 10% of the Line Item "A" Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Item "A" Sub-total Base Bid amount. The Line Item "A" Sub-total base bid is defined as all bid items **EXCLUDING** Item 100, Mobilization, Item 101, Preparing Right-of-Way and Item 102 Intermediate Demobilization and Remobilization. **In the event 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.**

<b>TOTAL WATER BID PRICE (TO INCLUDE LINE ITEMS 100,101 and 102)</b>	<b>\$</b>
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**2024 SMP Package II (Lark St) Sewer Plans  
 SAWS Job No. 22-5536**

Item No.	Spec No.	Description	Unit	Quantity	Unit Price	Total Price
<b>SAWS SPECIFICATIONS</b>						
1S	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1,934	\$	\$
2S	848	8" PVC (SDR 26-2241, 160 PSI) SEWER LINE (ALL DEPTHS)	LF	1,934	\$	\$
3S	852	SANITARY SEWER MANHOLE (4'-6')	EA	6	\$	\$
4S	852	SANITARY SEWER SHALLOW MANHOLE (3'-4')	EA	1	\$	\$
5S	852	EXTRA DEPTH MANHOLES (>6')	VF	3	\$	\$
6S	854	SANITARY SEWER LATERALS, (SDR 26-2241, 160 PSI)	LF	1,779	\$	\$
7S	854	TWO-WAY SANITARY SEWER CLEAN-OUT	EA	71	\$	\$
8S	858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	33	\$	\$
9S	865	BYPASS PUMPING SMALL DIAMETER	EA	1	\$	\$
10S	866	SAN. SWR. PRE TELEVISION INSP. (8"-10")	LF	1,934	\$	\$
11S	866	SAN. SWR. POST TELEVISION INSP. (8"-10")	LF	1,934	\$	\$
<b>CITY OF SAN ANTONIO SPECIFICATIONS</b>						
12S	COSA 103	REMOVE CONCRETE CURB	LF	355	\$	\$
13S	COSA 103	REMOVE SIDEWALK AND DRIVEWAY	SF	1,908	\$	\$
14S	COSA 203	TACK COAT	GAL	107	\$	\$
15S	COSA 205	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)	SY	1,181	\$	\$
16S	COSA 205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH)	SY	946	\$	\$

17S	COSA 500	CONCRETE CURB	LF	391	\$	\$
18S	COSA 502	CONCRETE SIDEWALK	SY	174	\$	\$
19S	COSA 503	PORTLAND CEMENT CONCRETE DRIVEWAY - RESIDENTIAL	SY	38	\$	\$
20S	COSA 530	BARRICADES, SIGNS, AND TRAFFIC HANDLING	EA	1	\$	\$
SEWER SUBTOTAL					\$	

**SAWS SPECIFICATIONS**

Spec No.	Description	Unit	Quantity	Unit Price	Total Price
100	MOBILIZATION AND DEMobilIZATION, MAX 10% OF WATER SUBTOTAL	L.S.	1	\$	\$
101	PREPARING ROW, MAX 5% OF WATER SUBTOTAL	L.S.	1	\$	\$
102.1	INTERMEDIATE DEMobilIZATION AND REMOBILIZATION (SEWER)	EA	1	\$	\$
102.2	INTERMEDIATE DEMobilIZATION BYPASS PUMPING EQUIPMENT RENTAL	DAY	10	\$	\$
102.3	INTERMEDIATE DEMobilIZATION BYPASS PUMPING EQUIPMENT FUEL	DAY	10	\$	\$
102.4	INTERMEDIATE DEMobilIZATION BYPASS PUMPING EQUIPMENT WATCH	DAY	10	\$	\$



Mobilization lump sum bid shall be limited to a maximum 10% of the Line Item "A" Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Item "A" Sub-total Base Bid amount. The Line Item "A" Sub-total base bid is defined as all bid items **EXCLUDING** Item 100, Mobilization, Item 101, Preparing Right-of-Way and Item 102 Intermediate Demobilization and Remobilization. In the event 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.

<b>TOTAL SEWER BID PRICE (TO INCLUDE LINE ITEMS 100, 101 &amp; 102)</b>	\$
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<b>TOTAL COMBINED WATER AND SEWER BID PRICE</b>	\$
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**OVERALL QUANTITIES**

OVERALL QUANTITY SUMMARY					
ITEM #	DESCRIPTION	UNIT	QUANTITIES	ADDITIONAL QUANTITIES*	TOTAL QUANTITIES
100	MOBILIZATION	LS	1		1
101	PREPARATION OF RIGHT-OF-WAY	LS	1		1
102	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (WATER)	EA	1		1
299	FLOWABLE FILL	CY	16	5	21
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	2692		2,692
818	6" PVC WATER MAIN	LF	20		20
818	8" PVC WATER MAIN	LF	2617		2,617
818	12" PVC WATER MAIN	LF	5		5
822	CUSTOMER SHUT-OFF VALVE	EA	81		81
824	RELAY 3/4" SHORT SERVICE	EA	35		35
824	RELAY 3/4" LONG SERVICE	EA	43		43
824	RELAY 1" SHORT SERVICE	EA	3		3
824	NEW UNMETERED 3/4" SHORT SERVICE	EA	5		5
828	8" GATE VALVE	EA	6		6
828	12" GATE VALVE	EA	1		1
833	EXIST METER AND EXIST METER BOX RELOCATION	EA	81		81
834	FIRE HYDRANT ASSEMBLY	EA	6		6
836	PIPE FITTINGS, ALL SIZES & TYPES	TON	2.65		2.65
840	6" WATER TIE-IN	EA	2		2
840	8" WATER TIE-IN	EA	2		2
840	12" WATER TIE-IN	EA	1		1
841	HYDROSTATIC TESTING	EA	4		4
844	2" TEMPORARY BLOWOFF	EA	4		4
856.2	8" CARRIER PIPE (OPEN CUT)	LF	50		50
856.3	CASING OR LINER 24" (OPEN CUT)	LF	50		50
1015	SERVICE LINE BREAK/LEAK REPAIRS (3/4" & 1") COPPER SERVICE	EA		2	2
1020	WATER MAIN BREAK/LEAK REPAIRS (6"-8")	EA		2	2
3000	REMOVAL, TRANSP AND DISPOSAL OF AC PIPE	LF	104	52	156
COSA 103	REMOVE CONCRETE CURB	LF	455	40	495
COSA 103	REMOVE CONCRETE SIDEWALKS AND DRIVEWAYS	SF	1230	100	1,330
COSA 103	REMOVE MISCELLANEOUS CONCRETE	SF	424		424
COSA 203	TACK COAT	GAL	286	29	315
COSA 205	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)	SY	2738	290	3,028
COSA 205	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH)	SY	1199	120	1,319
COSA 208	SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT 2" DEPTH)	SY	1395	139	1,534
COSA 500	CONCRETE CURB	LF	455	40	495
COSA 500	CONCRETE SIDEWALKS	SY	114	12	126
COSA 503	PORTLAND CEMENT CONCRETE DRIVEWAY -RESIDENTIAL	SY	26	5	31
COSA 506	CONCRETE RETAINING WALLS (COMB. TYPE)	CY	10	5	15
COSA 530	BARRICADES, SIGNS, AND TRAFFIC HANDLING	EA	1		1

\*ADDITIONAL QUANTITIES SHALL ONLY BE USED IF DIRECTED BY SAWS AND THE ENGINEER.

**8" WATER MAIN HORIZONTAL ALIGNMENT DATA**

Beginning chain LARK description

Point 10	N	13,712,246.33 E	2,099,158.74 Sta	10+00.00
Course from 10 to 11 N 89° 17' 40.41" E Dist 166.90				
Point 11	N	13,712,248.38 E	2,099,325.63 Sta	11+66.90
Course from 11 to 12 N 89° 06' 41.07" E Dist 332.64				
Point 12	N	13,712,253.54 E	2,099,658.23 Sta	14+99.54
Course from 12 to 13 S 80° 21' 21.43" E Dist 26.11				
Point 13	N	13,712,249.17 E	2,099,683.96 Sta	15+25.64
Course from 13 to 14 N 88° 58' 27.53" E Dist 1,448.06				
Point 14	N	13,712,275.09 E	2,101,131.79 Sta	29+73.70
Course from 14 to PC CUR1 N 89° 55' 14.09" E Dist 81.91				

Curve Data

*-----*				
Curve CUR1				
P.I. Station	31+30.21	N	13,712,274.91 E	2,101,288.30
Delta	= 28° 53' 55.84"	(RT)		
Degree	= 19° 47' 28.54"			
Tangent	= 74.60			
Length	= 146.02			
Radius	= 289.50			
External	= 9.46			
Long Chord	= 144.48			
Mid. Ord.	= 9.16			
P.C. Station	30+55.61	N	13,712,275.20 E	2,101,213.70
P.T. Station	32+01.63	N	13,712,238.60 E	2,101,353.46
C.C. Station		N	13,711,985.70 E	2,101,212.57
Back	= S 89° 46' 35.37" E			
Ahead	= S 60° 52' 39.53" E			
Chord Bear	= S 75° 19' 37.45" E			

Curve Data

*-----*				
Curve CUR2				
P.I. Station	32+81.64	N	13,712,199.67 E	2,101,423.36
Delta	= 28° 53' 56.08"	(LT)		
Degree	= 18° 27' 09.97"			
Tangent	= 80.01			
Length	= 156.61			
Radius	= 310.50			
External	= 10.14			
Long Chord	= 154.96			
Mid. Ord.	= 9.82			
P.C. Station	32+01.63	N	13,712,238.60 E	2,101,353.46
P.T. Station	33+58.24	N	13,712,199.35 E	2,101,503.36
C.C. Station		N	13,712,509.85 E	2,101,504.58
Back	= S 60° 52' 39.47" E			
Ahead	= S 89° 46' 35.55" E			
Chord Bear	= S 75° 19' 37.48" E			

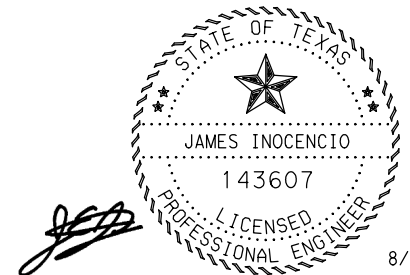
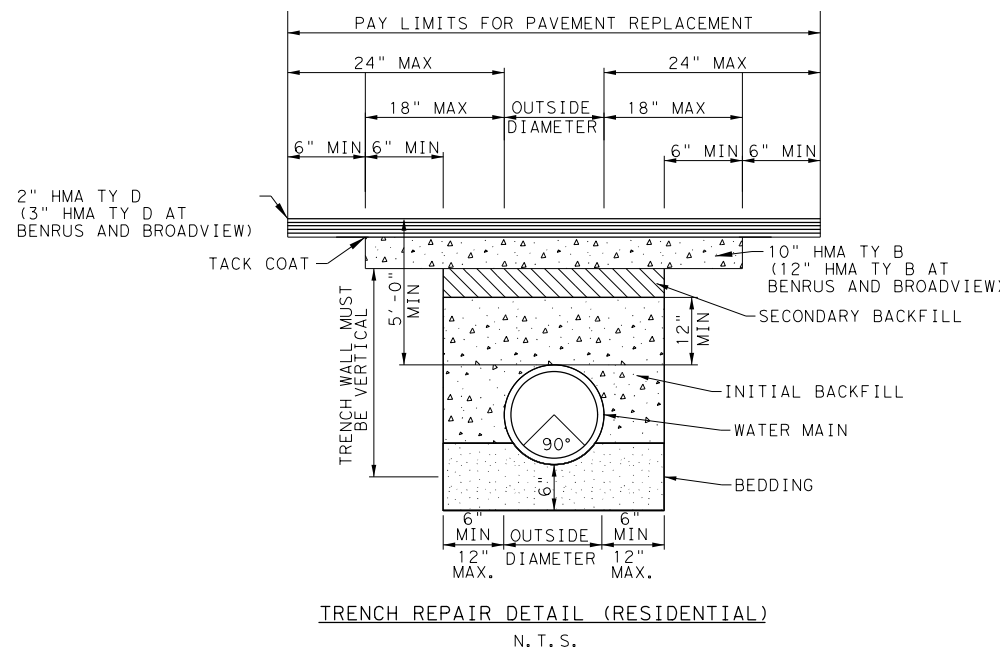
Course from PT CUR2 to 20 S 89° 10' 03.54" E Dist 168.28

Point 20	N	13,712,196.91 E	2,101,671.63 Sta	35+26.52
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Ending chain LARK description

**RESTRAIN LENGTHS TABLE**

PT	FITTING	MAIN SIZE	STA	RESTRAINED LENGTH (NORTH/WEST)	RESTRAINED LENGTH (SOUTH/EAST)	PT	FITTING	MAIN SIZE	STA	RESTRAINED LENGTH (NORTH/WEST)	RESTRAINED LENGTH (SOUTH/EAST)
1	TEE	6"	10+00		1	19	45° BEND	8"	23+43.18	3	7
2	GATE VALVE	8"	14+21.27	58	2	20	45° BEND	8"	23+52.11	6	2
3	45° BEND	8"	14+26.27	3	2	21	GATE VALVE	8"	23+52.11		2
4	45° BEND	8"	14+30.16	2	5	22	GATE VALVE	8"	23+43.18	21	3
5	CROSS	8"X8"	14+41.16	6	2	23	TEE	6"	23+43.18	2	4
6	45° BEND	8"	14+45.16	2	2	24	45° BEND	8"	23+43.18	3	5
7	45° BEND	8"	14+49.16	2	2	25	45° BEND	8"	23+43.18	5	4
8	GATE VALVE	8"	14+54.16	3	27	26	45° BEND	8"	23+77.82	4	2
9	45° BEND	8"	14+41.16	10	6	27	45° BEND	8"	23+81.82	2	3
10	45° BEND	8"	14+33.41	5	5	28	GATE VALVE	8"	23+86.82	2	58
11	11.25° BEND	8"	14+99.54	2	2	29	45° BEND	8"	29+84.60	24	2
12	11.25° BEND	8"	15+24.93	2	2	30	45° BEND	8"	29+88.60	1	6
13	45° BEND	8"	14+41.16	5	3	31	45° BEND	8"	30+01.60	7	2
14	45° BEND	8"	14+33.99	2	9	32	45° BEND	8"	30+04.60	1	24
15	GATE VALVE	8"	23+32.18	58	2	33	TEE	6"	30+32.57	1	1
16	45° BEND	8"	23+36.18	2	2	34	REDUCER	12"X8"	35+21.51	43	2
17	45° BEND	8"	23+39.18	2	2	35	GATE VALVE	8"	35+26.51	3	
18	CROSS	8"X8"	23+43.18	2	15						



8/15/2023

1	08/14/23	REVISED BY ADDENDUM #1	J1	BS
NO	DATE	DESCRIPTION	DWG	CHK

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San Antonio, Texas 78217  
Phone: (210) 822-2232  
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Engineering License #F-10053  
Ardurra Group, Inc.  
Surveying Firm 10126502

**ARDURRA**  
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2024 SMP PACKAGE II ( LARK ST )  
WATER PLANS

**OVERALL QUANTITIES,  
HORIZONTAL ALIGNMENT DATA  
AND MISCELLANEOUS DETAILS**

SCALE: N.T.S.

MAP No(s).	DATE: 8/15/2023
SAWS JOB NO.: 22-5040	W3
DRWN BY: RM	DSGN BY: JI
CHKD BY: BJS	

Plotted by: j.inocencio  
 8/15/2023  
 S:\Projects\SAWS\210069\_2021\_Govt\_Engineering\Design\_Srvcs\080\_2024\_SMP\_Pkg\_II\_(Lark\_St)\20-Drawings\Plans\Civil\210069\_080\_WTR\_OVERALL\_QUAN\_HOR\_DATA1.dwg

**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 STATEWIDE 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.

24. 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.

25. 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.

26. 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).

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

28. 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 FLOW METER IN THE MANHOLE. ANY DAMAGE DONE TO THE FLOW METER WILL BE CHARGED TO THE CONTRACTOR THROUGH A CHANGE ORDER.

29. FLOW METERS IN MANHOLES: THE CONTRACTOR SHALL NOTIFY BOBBY JOHNSON AT 210-233-3493 OR ABEL BORJONA AT 210-233-3074 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.

**COSA STORM WATER AND FLOODPLAIN NOTES**

1. 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.

2. 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.

3. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING DRAINAGE FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING DRAINAGE SYSTEMS, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS EXPENSE. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT 210-206-8433 AS SOON AS CONFLICTS WITH UTILITIES ARE ENCOUNTERED OR ANY DRAINAGE SYSTEM IS DAMAGED DURING CONSTRUCTION.

4. 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.

5. 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.

6. 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.

**UNDERGROUND TELEPHONE/COMMUNICATION LINES NOTE**

1. THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE AS SHOWN ON THESE PLANS HAS BEEN TAKEN FROM THE BEST INFORMATION AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR SHALL CONTACT THE TELEPHONE/COMMUNICATION COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6505 CONTRACTOR SHALL PROTECT AND (AS NECESSARY) INSTALL SHORING FOR TELEPHONE COMPANY FACILITIES DURING CONSTRUCTION.

**HAULING AND STORAGE**

1. HAULING AND/OR TEMPORARY STORAGE OF EQUIPMENT AND MATERIALS MAY BE NECESSARY, INCLUDING EXCAVATED MATERIAL AND SPOILS. CONTRACTOR SHALL INCLUDE IN HIS BID PRICE ALL COSTS ASSOCIATED WITH HAULING AND OFF-SITE STORAGE OF ALL MATERIALS AND/OR EQUIPMENT. ALSO REFER TO THE PROJECT SPECIFICATIONS.

**TREE PROTECTION NOTES**

1. NO UTILITY OR STREET EXCAVATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.

2. TREE PROTECTION FENCING SHALL BE REQUIRED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION, DURING CONSTRUCTION ACTIVITY, AT LEAST A SIX-INCH LAYER OF COARSE MULCH SHALL BE PLACED AND MAINTAINED OVER THE ROOT PROTECTION ZONE (NO SEPARATE PAY ITEM).

3. THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN ONE INCH IN THE DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION. THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR FOR GUIDANCE.

4. ROOTS WILL BE CUT WITH A ROCK SAW OR BY HAND, NOT BY AN EXCAVATOR OR OTHER ROAD CONSTRUCTION EQUIPMENT.

5. ALL CURB AND SIDEWALK WORK SHALL USE ALTERNATIVE CONSTRUCTION METHODS TO MINIMIZE EXTENSIVE ROOT DAMAGE TO TREES (REFER TO DETAILS.)

6. EXPOSED ROOTS SHALL BE COVERED AT THE END OF THE DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH, OR WET BURLAP.

7. NO EQUIPMENT, VEHICLES OR MATERIALS SHALL OPERATE OR BE STORED WITHIN THE ROOT PROTECTION ZONE OF ANY TREE NEAR THE PROJECT. ROOT PROTECTION ZONE IS 1 FOOT OF RADIUS PER INCH OF TREE'S DIAMETER. A 10-INCH DIAMETER TREE WOULD HAVE A 10 FOOT RADIUS ROOT PROTECTION ZONE AROUND THE TREE. ROOTS OR BRANCHES IN CONFLICT WITH THE CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. OAK WOUNDS SHALL BE PAINTED OVER WITHIN 30 MINUTES TO PREVENT OAK WILT.

8. SAPLINGS, SHRUBS OR BUSHES TO BE CLEARED FROM THE PROTECTED ROOT ZONE AREA OF A LARGE TREE SHALL BE REMOVED BY HAND AS DESIGNATED BY THE INSPECTOR.

9. NO WIRES, NAILS OR OTHER MATERIAL MAY BE ATTACHED TO PROTECTED TREES.

10. TREES, TREE LIMBS, BUSHES AND SHRUBS LOCATED IN THE CITY STREET OR ALLEY RIGHT-OF-WAY OR PERMANENT EASEMENTS WHICH INTERFERE WITH PROPOSED CONSTRUCTION ACTIVITIES SHALL BE PROPERLY PRUNED FOLLOWING THE ANSI A-300 STANDARDS FOR PRUNING. ALL TREE PRUNING SHALL BE COMPLETED BY A CITY OF SAN ANTONIO TREE MAINTENANCE LICENSED CONTRACTOR (ARTICLE 21-171, CITY CODE) ONLY AFTER APPROVAL FROM THE CAPITAL PROJECTS MANAGEMENT THROUGH THE INSPECTOR.

11. NO EXCESSIVE TREE TRIMMING WILL BE PERMITTED.

12. ALL DEBRIS GENERATED BY THE PRUNING AND TRIMMING OF THE TREES AND/OR BUSHES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY (NO SEPARATE

PAY ITEM).

13. TREES MUST BE MAINTAINED IN GOOD HEALTH THROUGHOUT THE CONSTRUCTION PROCESS. MAINTENANCE MAY INCLUDE, BUT NOT LIMITED TO: WATERING THE ROOT PROTECTION ZONE, WASHING FOLIAGE, FERTILIZATION, PRUNING, ADDITIONAL MULCH APPLICATIONS AND OTHER MAINTENANCE AS NEEDED ON THE PROJECT.

14. ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST. (207-0278).

15. TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE CITY'S SATISFACTION.

**LOCATOR NOTE**

1. CALL THE STATE WIDE "ONE CALL LOCATOR" AT 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

**CABLE T.V. NOTE**

1. CONTRACTOR TO CONTACT THE TIME WARNER CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 352-4672. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT CABLE T.V. PLANT DURING CONSTRUCTION.

**TELEPHONE NOTE**

1. THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-828-5127. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

**MANHOLE NOTE**

1. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL MANHOLES AT ALL TIMES UNTIL STREET IS CUT DOWN TO FINAL GRADE.

**CPS NOTE**

1. CONTRACTOR SHALL MAINTAIN ADEQUATE WORKING CLEARANCE FROM OVERHEAD UTILITIES IN COMPLIANCE WITH C.P.S. REQUIREMENTS.

2. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C.P.S. ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT.

**MATERIALS TESTING**

1. MATERIALS TESTING FOR THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PAYMENT FOR TESTING WILL NOT BE PAID SEPARATELY BUT SHALL BE INCORPORATED INTO THE ITEMS TO WHICH IT PERTAINS.

2. MATERIALS TESTING SHALL COMPLY WITH APPLICABLE REQUIREMENTS PER SAWS SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION, CITY OF SAN ANTONIO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

3. FULL PAYMENT WILL NOT BE MADE UNTIL ALL TESTING IS COMPLETE AND APPROVED.

**EXISTING UTILITY PROTECTION NOTE**

1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS WAS OBTAINED BY AVAILABLE RECORDS AND TO THE BEST OF THE DESIGN ENGINEER'S KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. ATTENTION IS CALLED TO THE POSSIBLE EXISTENCE OF OTHER UTILITIES OR STRUCTURES NOT SHOWN, OR IN A DIFFERENT LOCATION FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL EXISTING UTILITIES SHOWN ON THE PLANS AND OTHER EXISTING FACILITIES OR STRUCTURES NOT SHOWN AND MAINTAIN THE RESPECTIVE UTILITY TRENCH INTEGRITY DURING SANITARY SEWER CONSTRUCTION.

**CITY OF SAN ANTONIO FLATWORK NOTE**

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.

**TRENCH EXCAVATION SAFETY PROTECTION NOTES**

1. CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH, AT 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.

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

SUMMARY OF SANITARY SEWER QUANTITIES table with columns: ITEM, DESCRIPTION, UNITS, QUANTITY. Includes items like MOBILIZATION, INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (SEWER), REMOVE CONCRETE CURB, REMOVE SIDEWALK & DRIVEWAY, TACK COAT, HOT MIX ASPHALTIC PAVEMENT, PORTLAND CEMENT CONCRETE DRIVEWAY - RESIDENTIAL, BARRICADES, SIGNS, AND TRAFFIC HANDLING, TRENCH EXCAV. SAFETY PROTECTION, 8" PVC (SDR 26-2241, 160 PSI) SEWER LINE (ALL DEPTHS), SANITARY SEWER MANHOLE (4'-6'), SANITARY SEWER SHALLOW MANHOLE (3'-4'), EXTRA DEPTH MAHOLES (>6'), SANITARY SEWER LATERALS (SDR 26-2241, 160 PSI), TWO-WAY SANITARY SEWER CLEAN-OUT, CONCRETE ENCASUREMENT, CRADLES, SADDLES AND COLLARS, BYPASS PUMPING SMALL DIAMETER, SAN. SWR. PRE TELEVISION INSP. (8" - 10"), SAN. SWR. POST TELEVISION INSP. (8" - 10").



REVISIONS table with columns: NO, DATE, DESCRIPTION, DWG CHK. Row 1: 1, 08/17/23, ITEM 102 ADDED, DWG CHK.

Garcia Infrastructure Consultants, LLC logo and contact information: TBPE Firm No. F-17794, 12042 Blanco Rd., Ste. 203, San Antonio, Texas 78216, Ph. (210) 437-0323.

ARDURRA logo and contact information: Engineering License #F-10053, Ardurra Group, Inc. (dba LNV, LLC), Surveying Firm 10126502.



2024 SMP PACKAGE II ( LARK ST ) SEWER PLANS
GENERAL NOTES AND SUMMARY OF QUANTITIES

MAP No(s), DATE: 5/2/23, SAWS JOB NO.: 22-5536, DRWN BY, DSGN BY, CHKD BY, S2

WALTER FLORES 8/17/2023 L:\SHARE1\Engineering\Ardurra (formerly LNV)\1118\_Lark\_St\14\_Production\Drawings\Sheets\1118-S-SWR-GN-01.dwg