

## W-1 LEON CREEK: HWY 151 TO HWY 90 - UPPER SEGMENT Solicitation Number: CO-00351

Job No.: 19-4528

#### ADDENDUM 2 September 24, 2020

To Respondent of Record:

This addendum, applicable to work referenced above, is an amendment to the price 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 price proposal.

#### RESPONSES TO QUESTIONS

Q1: The typical pipe trench detail 3/D-1 indicates a 14' minimum and 14' max pay width for trench repair.

Based on the size of pipe being installed on this project the minimum and max are not possible (7' for pipe, 1' minimum either side, 2' asphalt type B either side and 2' more for asphalt type D or C - 2+2+1+7+1+2+2=17; would be 18 feet if 18" either side of the pipe). Please clarify if contractor's are

required to carry additional width of paving above 15' as incidental cost to the pipe installation.

**Response:** The asphalt pay limits will be revised to 17'-0" MIN/18'-0" Max on Sheet D-1, detail 3.

Q2: In addition to the above, a large portion of the access road off Pinn Road is calling for 10" repair that

appear to meet the above limit with 2" surface repair for the entire road. Based on the alignment a large portion of this road is going to be removed. Would SAWS consider adjusting this item to just include

full replacement of that access road as part of the project?

**Response:** All additional asphalt repair beyond pay limits shall be the responsibility of the Contractor and shall

be repaired at the Contractor's expense (No additional payment).

Q3: Line E is called out as 8" PVC in profile view on sheet C-21. Please clarify.

**Response:** Line E will be revised in the profile view to indicate 42.80 LF and 24" FRP (SN 72).

Q4: On Sheet C-12 the existing recycled water line is labeled as 30" RW in plan view and 36" in profile.

Please clarify.

**Response:** The line work for the RW line in plan view will be revised to indicated 36" RW.

O5: There is no information in SS804A that indicates the required frequency of testing for the potentially

contaminated soils under pay item 69. At what intervals is this required to be tested?

**Response:** Contractor to refer to SS804A, Section 3.02, Sampling Contaminated Soils, C.1, which indicates one

sample shall be collected at a maximum of every 1000 cubic yards of excavated materials or as

required by the landfill.

**Q6:** Pay items 70 and 71 are in the bid schedule to be paid per ton however the payment section of SS804A

indicates that these materials will be paid by the CY. Please clarify.

**Response:** Part 4 – Payment, section 4.01 Measurement for Payment, Subsection B, C, and D will be revised to

per ton.

Q7: SS804A also includes additional language regarding Special Waste and Contaminated Water. There

are no items for either of these instances in the pay items. If these conditions are encountered will the

contractor be compensated for the handling and disposal of them via change order?

**Response:** Special Waste (i.e. Class 1 & 2 soils) covered under Line Items 71 and 72. A Line Item will be added to

the Price Proposal for Contaminated Water with a measurement in payment of gallons.

Q8: Can the areas that the contaminated soils are anticipated to be identified so that contractors can reflect

the impact in those locations in our schedules or approach to the project?

**Response:** The potential areas of contaminated soils can be anticipated to be identified from approximately STA

1+00 to approximately STA 27+00.

**Q9:** The area north of Commerce Street will require heavy dewatering. Can this water be placed in the

existing 42" SS if sedimentation is removed prior to it being placed in the line?

**Response:** No, the water from dewatering cannot be placed in the existing 42" SS.

Q10: The total LF of inspection in pay item 65 does not match the total LF of SS pipe installed in pay items

31, 32, 45, 52-56. Please clarify.

**Response:** The quantity for pay item 65 has been revised to match the total LF of SS pipe installed.

**Q11:** I have a question in regards to the prerequisites required for the W-1 Leon Creek bid that is due on Oct

5<sup>th</sup>. Will SAWS allow other types of underground construction besides sanitary sewer as a prerequisite?

**Response:** The Respondent's experience needs to be most relevant to the scope of work described in the RFCSP.

Other similar, but non-sanitary sewer installation experience can be included, but may receive a

reduction in points.

#### CHANGES TO THE SPECIFICATIONS

#### 1. Price Proposal

- Remove and Replace the Price Proposal with the Price Proposal included in this Addendum. The revised documents should be used by Respondents submitting a proposal for this project.
  - o Increased quantity of Line Item 3 Hotmix Asphalt Pavement Type B 10 inches Pavement Thickness to 2,152 SY
  - o Reduced quantity of Line Item 5 Hotmix Asphalt Pavement Type D 2 inches Pavement Thickness to  $5.847~\mathrm{SY}$
  - o Reduced quantity of Line Item 6 Salvaging, Hauling & Stockpiling Reclaimable Asphalt Pavement (2 inches depth) to 5,847 SY
  - o Reduced quantity of Line 65 Sewer Main TV Inspection (All Sizes) to 8,019 LF
  - Added Line Item 73 Contaminated Water Disposal/Recycling Inclusive of Equipment Rental (Frac Tank and Pumps) Removing, Managing, Characterizing, Manifesting, and Transporting to Disposal /Recycling Center

#### 2. Wage Decisions

Due to an update in the General Wage Decision for Building Construction Type, remove the Building Wage decision document from the solicitation in its entirety and replace with the revised version attached (rev. 09/11/2020, General Decision Number: TX20200231). This version should be utilized by the awarded contractor for the project.

#### 3. Supplemental Specifications, SS 804A Contaminated Soil and Water Control

- Remove and Replace in its entirety Pages SS804A 11 and SS804A 12
  - Section 4.01 Measurement For Payment, B. Contaminated Waste Classification, Transportation and Disposal (Class I) – removing measurement for payment from a cubic yard basis and replacing measure for payment to a per ton basis
  - Section 4.01 Measurement For Payment, C. Contaminated Waste Classification, Transportation and Disposal (Class II) removing measurement for payment from a cubic yard basis and replacing measure for payment to a per ton basis
  - Section 4.01 Measurement For Payment, D. Contaminated Waste Classification, Transportation and Disposal (Special Waste) removing measurement for payment from a cubic yard basis and replacing measure for payment to a per ton basis
  - Section 4.01 Measurement For Payment, E. Water Storage removing measurement for payment from a per tank basis and replacing measure for payment to a per gallon basis
  - Section 4.01 Measurement For Payment, F Contaminated Water Disposal (Recycling/Disposal Center) removing measure for payment from a per ton basis and replacing measure for payment to a per gallon basis

#### **CHANGES TO THE PLANS**

- 1. Remove the following plan sheets in their entirety and replace them with the attached, revised plan sheets. (Revisions made from the original sheets are depicted by revision clouds around the changed portions.)
  - Sheet G-4: QUANTITIES AND SAWS GENERAL CONSTRUCTION NOTES SHEET Replace sheet in its entirety.
    - o Increased quantity of Line Item 3 Hotmix Asphalt Pavement Type B 10 inches Pavement Thickness
    - o Reduced quantity of Line Item 5 Hotmix Asphalt Pavement Type D 2 inches Pavement Thickness
    - o Reduced quantity of Line Item 6 Salvaging, Hauling & Stockpiling Reclaimable Asphalt Pavement (2 inches depth)
    - o Reduced quantity of Line 65 Sewer Main TV Inspection (All Sizes)
    - Added Line Item 73 Contaminated Water Disposal/Recycling Inclusive of Equipment Rental (Frac Tank and Pumps) Removing, Managing, Characterizing, Manifesting, and Transporting to Disposal /Recycling Center
  - Sheet C-1: Line "A" Plan and Profile Sheet STA 9+94.15 to 14+00 Replace sheet in its entirety.
    - o Revised Quantity for Line Item 205.2 Hotmix Asphalt Pavement Type B -10 Inches Pavement Thickness
    - o Revised Quantity for Line Item 205.4 Hotmix Asphalt Pavement Type D 2 Inches Pavement Thickness
    - o Revised Quantity for Line Item 208.1 Salvaging, Hauling, & Stockpiling Reclaimable Asphalt Pavement (2 Inches Depth)
    - o Revised note to indicate, "Contractor shall Restore and/or Replace 653 SY (Type B)"
  - Sheet C-2: Line "A" Plan and Profile Sheet STA 14+00 to 18+00 Replace sheet in its entirety.
    - o Revised Quantity for Line Item 205.2 Hotmix Asphalt Pavement Type B -10 Inches Pavement Thickness and Note
  - Sheet C-3: Line "A" Plan and Profile Sheet STA 18+00 to 22+00 Replace sheet in its entirety.
    - o Revised Quantity for Line Item 205.2 Hotmix Asphalt Pavement Type B -10 Inches Pavement Thickness and Note
  - Sheet C-12: Line "A" Plan and Profile Sheet STA 54+00 to 58+00 Replace sheet in its entirety.
    - o Revised in plan view the pipe size of the CSC Recycled Water Main to 36"RCW
  - Sheet C-21: Line "E" Plan and Profile Sheet STA 1+00 to 1+42.80 Replace sheet in its entirety.

     Relabeled Profile to indicate 42.80 LF, 24" FRP (SN 72) @ 3.39%
  - Sheet D-1: Typical Trench Details
    - o, Revised Minimum and Maximum Asphalt Pay Limits

#### **CLARIFICATIONS**

#### 1. Estimated Cost:

The estimated cost originally noted on the SAWS website has been revised to \$17,401,076.87 due to this Addendum.

#### **END OF ADDENDUM 2**

This Addendum is 24 pages in its entirety, including attachments.

#### Attachments:

- Contract Documents Price Proposal (4 pages)
- General Wage Decision Number: TX20200231 (rev. 09/11/2020) (7 pages)
- Supplemental Specifications SS 804A Contaminated Soil and Water Control: Pages SS804A 11 and SS804A
   -12 (2 pages)
- Plans Sheet G-4: Quantities and SAWS General Construction Notes Sheet
- Plans Sheet C-1: Line "A" Plan and Profile STA 9+94.15 to 14+00
- Plans Sheet C-2: Line "A" Plan and Profile STA 14+00 to 18+00
- Plans Sheet C-3: Line "A" Plan and Profile STA 18+00 to 22+00
- Plans Sheet C-12: Line "A" Plan and Profile STA 54+00 to 58+00
- Plans Sheet C-21: Line "B" and "E" Plan and Profile STA 1+00 to 50.00; STA 1+00 to 1+42.80
- Plans Sheet D-1: Typical Trench Details



Solicitation Name: W-1 Leon Creek: Hwy 151 to Hwy 90 Upper Segment

Solicitation No. CO-00351

### PRICE PROPOSAL

PROPOSAL OF	, a corporation
a partnership consisting of	
an individual doing business as	
	ealed Proposals, the undersigned proposes to furnish all labor d for the project as specified, in accordance with the Plans and I to wit:
PLEASE SEE ATTACHED LIST OF PRICE PROF	POSAL ITEMS.
R	ESPONDENT'S SIGNATURE & TITLE
	IRM'S NAME (TYPE OR PRINT)
	IRM'S ADDRESS
	IRM'S PHONE NO. /FAX NO.
<u> </u>	IRM'S EMAIL ADDRESS
rı	INIVI 3 EIVIAIL ADDRESS
The Contractor herein acknowledges receipt of the follow Addendum Nos	wing:
OWNER RESERVES THE RIGHT TO ACCEPT THE OV	VERALL MOST RESPONSIBLE PROPOSAL
PROPOSAL The Respondent offers to construct the Project in accord to complete the Project within 563 calendar days after the	dance with the Contract Documents for the contract price, and he start date, as set forth in the Authorization to Proceed. The sof the contract Documents relating to liquidated damages
Complete the additional requirements of the Proposal wh	hich are included on the following pages.
Statement on President's Executive Orders	
Has your firm previously performed work subject to the F 11375 or any preceding similar executive orders (Number	
Yes No	

#### Price Proposal SAWS Job No. 19-4528 W-1 Leon Creek: Hwy 151 to Hwy 90 - Upper Segment Solicitation No. CO-00351

Line No	Item No.	Description	Unit	Quantity	Unit Price	Total Price
1	202.1	PRIME COAT	GAL	588	¢	c
2	203.1	TACK COAT	GAL	708	¢	¢
					5	5
3	205.2	HOTMIX ASPHALT PAVEMENT TYPE B - 10 INCHES PAVEMENT THICKNESS	SY	2,152	5	5
4	205.3	HOTMIX ASPHALT PAVEMENT TYPE D - 3 INCHES PAVEMENT THICKNESS	SY	1,200		
5	205.4	HOTMIX ASPHALT PAVEMENT TYPE D - 2 INCHES PAVEMENT THICKNESS SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALT PAVEMENT (2 INCHES	SY	5,847	\$	\$
6	208.1	DEPTH) SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALT PAVEMENT (3 INCHES	SY	5,847	\$	\$
7	208.1	DEPTH)	SY	1,200	\$	\$
8	500.1	CONCRETE CURB	LF	64	\$	\$
9	502.1	CONCRETE SIDEWALKS	SY	12	\$	\$
10	503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS	SY	57	\$	\$
11	505.1	CONCRETE RIPRAP (6" THICK)	SY	61	\$	\$
12	103.4	REMOVE MISC. CONCRETE	SF	420	\$	\$
13	SP-13	BYPASS PUMPING PAD 10'x10' WITH 4"-6" (D50) RIPRAP (COMPLETE)	LS	1	\$	\$
14	SP-13	EXISTING PAD RESTORATION	LS	1	\$	\$
15	511.1	REPLACING WITH FLEXIBLE BASE & PAVEMENT (12" COMPACTED DEPTH)	SY	16	\$	\$
16	522.1	SIDEWALK PIPE RAILING	LF	44	\$	\$
17	536.1	4" WIDE YELLOW LINE	LF	480	\$	\$
18	536.2	4" WIDE WHITE LINE	LF	480	\$	\$
19	814	24" DI WATERLINE (OPEN CUT)	LF	85	\$	\$
20	836	PIPE FITTINGS (ALL TYPES & SIZES)	TN	1.55	\$	\$
21	840	24" WATER TIE-INS	EA	2	\$	\$
22	841.0	HYDROSTATIC TESTING	EA	1	\$	\$
23	844.4	4" BLOW-OFF, TEMPORARY	EA	1	Ś	s
24	110/820	36" CSC RECYCLED WATER MAIN, RESTRAINED	LF	61	s	s
25	110	30" MANWAY	EA	1	\$	\$
26	846	2" AIR RELEASE VALVE	EA	1	¢	¢
27	3100	TEMOPORARY WATER MAIN (12" HDPE)	LS		¢	¢
		·		1	, c	s
28	507	TEMPORARY CONSTRUCTION FENCE (4 FEET HIGH)	LF	111	3	5
29	530	BARRICADES, SIGNS & TRAFFIC HANDLING TEMPORARY EROSION, SEDIMENTATION AND WATER POLLUTION PREVENTION AND	LS	1	,	\$
30	SPTS 540	CONTROL	LS	1	>	>
31	550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	6,979		\$
32	848A	8" PVC SDR 26 (OPEN CUT 0'-10')	LF	106	\$	\$
33	848A	12" PVC SDR 26 (OPEN CUT 10'-20')	LF	67	\$	\$
34	848B	TESTING AND ACCEPTANCE OF PVC SDR 26 PIPE (ALL DEPTHS)	LS	1	\$	\$
35	852A	EXTRA DEPTH MANHOLE	VF	13	\$	\$
36	852A	4 FEET SANITARY SEWER MANHOLE	EA	1	\$	\$
37	852A	REMOVE & REPLACE 4' SANITARY SEWER MANHOLE	EA	2	\$	\$
38	852B	TESTING AND ACCEPTANCE OF SANITARY SEWER MANHOLES (ALL TYPES)	LS	1	\$	\$
39	853	EXTRA DEPTH TEE BASE MANHOLE	VF	194	\$	\$
40	853A	TEE BASE FIBERGLASS MANHOLE	EA	3	\$	ş
41	853A	TEE BASE FIBERGLASS MANHOLE, MITER	EA	9	\$	\$

# Price Proposal SAWS Job No. 19-4528 W-1 Leon Creek: Hwy 151 to Hwy 90 - Upper Segment Solicitation No. CO-00351

Line No	Item No.	Description	11-14	Otitu	Unit Price	Total Price
42	9534	TTE DAGE FIREDCIASS MANUALE MITTER W/ SUMD	Unit	Quantity	ć	e
42	853A	TEE BASE FIBERGLASS MANHOLE, MITER W/ SUMP TEE BASE FIBERGLASS DROP MANHOLE	EA	1	\$	,
43	853A		EA	2	\$	,
44	853A	TEE BASE FIBERGLASS DROP MANHOLE, MITER  TEETING AND ACCEPTANCE OF FIRM MANHOLES (ALL TYPES)	EA	1	\$	į.
45	853B	TESTING AND ACCEPTANCE OF FRP MANHOLES (ALL TYPES)	LS	1 106	\$	5
46	SS 2426	CARRIER PIPE IN TUNNELS - 84" FRP (ASTM D-3262)(SN 72)	LF	1,196	\$	,
47		102" STEEL CASING PIPE (0.5" THICKNESS) / 108" STEEL LINER PLATE	LF	550	\$	\$
48		PIPE-JACKED TUNNEL/TUNNELING WITH LINER PLATE	LF	550	\$	\$
49	SS2610	102" STEEL CASING PIPE (0.5" THICKNESS)	LF	89	\$	\$
50	SS2441	PIPE-JACKED TUNNEL	LF	89	\$	\$
51	SS2314	108" STEEL LINER PLATE	LF	557	\$	\$
52	SS2314	TUNNELING WITH LINER PLATE	LF	557	\$	\$
53	857A	24" FRP (ASTM D-3262)(SN 72)(OPEN CUT 5'-10')	LF	43	\$	\$
54	857A	66" FRP (ASTM D-3262)(SN 72)(OPEN CUT 15'-20')	LF	67	\$	\$
55	857A	84" FRP (ASTM D-3262)(SN 72)(OPEN CUT 10'-15')	LF	1,075	\$	\$
56	857A	84" FRP (ASTM D-3262)(SN 72)(OPEN CUT 15'-20')	LF	4,940	\$	\$
57	857A	84" FRP (ASTM D-3262)(SN 72)(OPEN CUT 20'-25')	LF	525	\$	\$
58	857B	TESTING AND ACCEPTANCE OF FRP GRAVITY SEWER (ALL SIZES AND DEPTHS)	LS	1	\$	\$
59	858	CONCRETE ENCASEMENT (MIN STRENGTH, 2,000 PSI)	CY	4,126	\$	\$
60	413	FLOWABLE FILL	CY	351	\$	\$
61	862	ABANDON EXISTING SEWER MAIN (>15-INCH DIAMETER)	LF	7,706	\$	\$
62	862	ABANDON EXISTING SEWER MAIN (<15-INCH DIAMETER)	LF	70	\$	\$
63	864-S1	BYPASS PUMPING SMALL DIAMETER (<24")	LS	1	\$	\$
64	SP 864-S2	BYPASS PUMPING LARGE DIAMETER (>24")	LS	1	\$	\$
65	866	SEWER MAIN TV INSPECTION (ALL SIZES)	LF	8,019	\$	\$
66	866	SEWER MAIN TV INSPECTION (PRE-ABANDONMENT)	LF	7,776	\$	\$
67	910	MANHOLE REHABILITATION	SF	692	\$	\$
68	TP7-TP10	DRILL SEEDING (WITH NATIVE SEED MIXTURE)	SY	630,506	\$	\$
69	D-5	CONCRETE MANHOLE TOP SLAB	EA	9		
			SUBTOTAL (I	TEMS 1-69)	\$	\$
		ENVIRONMENTAL SERVICES, INCLUSIVE OF AIR MONITORING, WASTE	,			
70	SS 804A	CHARACTERIZATION, SAMPLING (LABOR, LAB, OTHER DIRECT COSTS), REPORTING, AND ENVIRONMENTAL OVERSIGHT	LS	1	\$	ş
		CLASS 1 SOIL WASTE DISPOSAL INCLUSIVE OF REMOVING, MANAGING, CHARACTERIZING, MANIFESTING, TRANSPORTING AND DISPOSING AT A PERMITTED				
71	SS 804A	LANDFILL	TON	156	\$	\$
		CLASS 2 SOIL WASTE DISPOSAL INCLUSIVE OF REMOVING, MANAGING, CHARACTERIZING, MANIFESTING, TRANSPORTING AND DISPOSING AT A PERMITTED				
72	SS 804A	LANDFILL	TON	1,440	\$	\$
		CONTAMINATED WATER DISPOSAL/RECYCLING INCLUSIVE OF EQUIPMENT RENTAL (FRAC TANK AND PUMPS) REMOVING, MANAGING, CHARACTERIZING, MANIFESTING,				
73	SS 804A	AND TRANSPORTING TO DISPOSAL/RECYCLING CENTER	GAL	10,000		
74	SPTS 100A	INTERMEDIATE DEMOBILIZATION/REMOBILIZATION (OPEN-CUT CONSTRUCTION)	EA	2	\$	\$
75	SPTS 100B	INTERMEDIATE DEMOBILIZATION/REMOBILIZATION (TUNNEL CONSTRUCTION)	EA	2	\$	\$
76	864-S1.3	BYPASS PUMPING DURING DEMOBILIZATION (SMALL DIAMETER) INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL	DAY	30	\$	\$
77	864-S1.4	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING FUEL	DAY	30	\$	\$

# Price Proposal SAWS Job No. 19-4528 W-1 Leon Creek: Hwy 151 to Hwy 90 - Upper Segment Solicitation No. CO-00351

Line No	Item No.	Description	Unit	Quantity	Unit Price	Total Price
78	864-S1.5	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING MONITORING	DAY	30	\$	\$
79	864-SP-S2.3	BYPASS PUMPING DURING DEMOBILIZATION (LARGE DIAMETER) INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL	DAY	30	\$	\$
80	864-SP-S2.4	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING FUEL	DAY	30	\$	\$
81	864-SP-S2.5	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING MONITORING	DAY	30	\$	\$
82	100	MOBILIZATION (MAXIMUM 8% OF ITEMS 1-69)	LS	1	\$	\$
83	101	PREPARATION OF RIGHT-OF-WAY (MAXIMUM 4% OF ITEMS 1-69)	LS	1	\$	\$
		(TO INCLUDE LIN	TOTAL PRICE E ITEMS 1-69 A		\$	

MOBILIZATION AND PREP OF ROW SHALL BE LIMITED TO THE MAXIMUM PERCENTAGE SHOWN. IF THE PERCENTAGE 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.

"General Decision Number: TX20200231 09/11/2020

Superseded General Decision Number: TX20190231

State: Texas

Construction Type: Building

County: Bexar County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification	Number	Publication	Date
0		01/03/2020	
1		02/14/2020	
2		08/28/2020	
3		09/11/2020	

ASBE0087-014 01/01/2018

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation)	.\$ 22.72	10.02
BOIL0074-003 01/01/2017		
	Rates	Fringes
BOILERMAKER	.\$ 28.00	22.35
ELEC0060-003 06/01/2019		

Rates Fringes

ELECTRICIAN (Communication Technician Only)	\$ 22.55	9%+5.45
ELEC0060-004 06/01/2019		
	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring)	\$ 28.60	18%+5.45
ELEV0081-001 01/01/2020		
	Rates	Fringes
ELEVATOR MECHANIC	\$ 41.90	34.765
FOOTNOTES:  A. 6% under 5 years based on reconstruction hours worked. 8% over 5 years befor all hours worked.		
B. Holidays: New Year's Day; Mer Labor Day; Thanksgiving Day; Fr Christmas Day; and Veterans Day	iday after Than	
ENGI0450-002 04/01/2014		
	Rates	Fringes
POWER EQUIPMENT OPERATOR Cranes	\$ 34.85	9.85
* IRON0066-013 06/01/2020		
	Rates	Fringes
IRONWORKER, STRUCTURAL	\$ 23.45	6.83
* IRON0084-011 06/01/2020		
	Rates	Fringes
IRONWORKER, ORNAMENTAL	\$ 25.26	7.13
PLUM0142-009 08/07/2019		
	Rates	Fringes
HVAC MECHANIC (HVAC Electrical Temperature Control Installation Only)	\$ 30.25	13.36
HVAC MECHANIC (HVAC Unit Installation Only)	\$ 30.25	13.36
PIPEFITTER (Including HVAC Pipe Installation)		13.76
PLUMBER (Excludes HVAC Pipe Installation)		13.76
SFTX0669-002 04/01/2020		

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers)	\$ 30.64	21.68
SHEE0067-004 07/01/2020		
	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers)		
SUTX2014-006 07/21/2014		
	Rates	Fringes
BRICKLAYER	\$ 22.15	0.00
CARPENTER (Acoustical Ceiling Installation Only)	\$ 17.83	0.00
CARPENTER (Form Work Only)	\$ 13.63	0.00
CARPENTER, Excludes Acoustical Ceiling Installation, Drywall Hanging, Form Work, and Metal Stud Installation	\$ 16.86	4.17
		0.00
DRYWALL FINISHER/TAPER	\$ 13.81	0.00
DRYWALL HANGER AND METAL STUD INSTALLER	\$ 15.18	0.00
ELECTRICIAN (Low Voltage Wiring Only)	\$ 20.39	3.04
IRONWORKER, REINFORCING	\$ 12.27	0.00
LABORER: Common or General	\$ 10.75	0.00
LABORER: Mason Tender - Brick	\$ 11.88	0.00
LABORER: Mason Tender - Cement/Concrete	\$ 12.00	0.00
LABORER: Pipelayer	\$ 11.00	0.00
LABORER: Roof Tearoff	\$ 11.28	0.00
LABORER: Landscape and Irrigation	\$ 8.00	0.00
OPERATOR: Backhoe/Excavator/Trackhoe	\$ 15.98	0.00
OPERATOR: Bobcat/Skid		

Steer/Skid	Loader\$ 14.00	0.00
OPERATOR:	Bulldozer \$ 14.00	0.00
OPERATOR:	Drill\$ 14.50	0.00
OPERATOR:	Forklift\$ 12.50	0.00
OPERATOR:	Grader/Blade\$ 23.00	5.07
OPERATOR:	Loader\$ 12.79	0.00
OPERATOR:	Mechanic \$ 18.75	5.12
OPERATOR:	Paver (Asphalt,	
Aggregate,	and Concrete)\$ 16.03	0.00
OPERATOR:	Roller \$ 12.00	0.00
	rush, Roller and	
	cludes Drywall Caping\$ 13.07	0.00
ROOFER	\$ 12.00	0.00
TILE FINISH	HER\$ 11.32	0.00
TILE SETTER	R\$ 14.94	0.00
TRUCK DRIVE	ER: Dump Truck\$ 12.39	1.18
TRUCK DRIVE	CR: Flatbed Truck\$ 19.65	8.57
MDIICK DDII	The Comi Exciler	
	ER: Semi-Trailer	0.00
TRUCK DRIVE	ER: Water Truck\$ 12.00	4.11

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within

the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010

08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

- 1.) Has there been an initial decision in the matter? This can be:
- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations Wage and Hour Division U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

unfavorable weather conditions.

- C. When the work is interrupted by rain, operations will not be resumed until the Contractor's Consultant, in coordination with SAWS, indicates conditions are acceptable to continue work. The Contractor shall notify SAWS and SAWS's representative when work has resumed.
- D. Backfill compaction shall meet the requirements of SAWS Standard Specifications for Construction Item 804 "Excavation, Trenching and Backfill".

### 3.11 LANDFILL AND UNDESIRABLE DEBRIS

- A. If refuse other than inert landfill debris is uncovered during the performance of the cutting actions, activities will be immediately stopped and the Engineer notified.
- B. If tires or transite (asbestos containing) pipe is encountered they shall be segregated from other materials. They will be profiled as Special Waste with the receiving disposal facility prior to transportation and disposal.

#### **PART 4 - PAYMENT**

#### 4.01 MEASUREMENT FOR PAYMENT

- A. Environmental Services
  - 1. Measurement for payment shall be on a per lump sum basis. Environmental services provided by an environmental consultant(s) for air monitoring, waste characterization, reporting, and environmental oversight for construction within landfill locations.
    - Contractor shall prepare a Health and Safety Plan that complies with all Federal and State safety requirements to ensure that jobsite conditions meet State, Federal, company and industry standards and provide a safe working environment for personnel to complete the work. Bid price shall be full compensation for environmental services as specified in this specification and the Work Plan. Bid item shall include all costs for required equipment, supplies, and labor to perform the Work.
- B. Contaminated Waste Classification, Transportation, and Disposal (Class I)
  - 1. Measurement for payment shall be on a per ton basis for a Class I waste as specified in the Project Work Plan. Bid item includes all equipment, labor, fuel, incidentals, temporary storage, and materials necessary to remove, manage, handle, characterize, sort, manifest, transport, and dispose of the waste material. This item includes landfill disposal fees.
- C. Contaminated Waste Classification, Transportation, and Disposal (Class II)
  - 1. Measurement for payment shall be on a per ton basis for a Class II waste as specified in the Project Work Plan. Bid item includes all equipment, labor, fuel, incidentals, temporary storage, and materials necessary to remove, manage, handle, characterize, sort, manifest, transport, and dispose of the waste material. This item includes landfill disposal fees.

San Antonio Water System W-1 Leon Creek: Hwy 151 to Hwy 90 Upper Segment August 2020

- D. Contaminated Waste Classification, Transportation, and Disposal (Special Waste)
  - 1. Measurement for payment shall be on a per ton basis for a Special Waste as specified in the Project Work Plan. Bid item includes all equipment, labor, fuel, incidentals, temporary storage, and materials necessary to remove, manage, handle, characterize, sort, manifest, transport, and dispose of the waste material. This item includes landfill disposal fees.

### E. Water Storage

- 1. Measurement for payment shall be on a per gallon basis for tanks delivered to the site. This item includes portable storage tanks required to store groundwater and potentially contaminated runoff water and all equipment, labor, fuel, pumping, incidentals, materials necessary to remove, manage, handle, and characterize the potentially contaminated water.
- F. Contaminated Water Disposal (Recycling/Disposal Center)
  - 1. Measurement for payment shall be on a per gallon basis. This item includes all equipment, labor, fuel, incidentals, transport, characterization, manifests, and disposal fees.

#### **END OF SECTION**

PREPARATION OF RIGHT-OF-WAY (MAXIMUM 4% OF ITEMS 1-69)

LS

1	NO 202.1	ITEM PRIME COAT	UNIT	QUANTITY 588	-
2	202.1	TACK COAT	GAL	708	1
3	205.2	HOTMIX ASPHALT PAVEMENT TYPE B - 10 INCHES PAVEMENT THICKNESS	SY	2,152	<b>\</b>
4				1,200	レ
	205.3	HOTMIX ASPHALT PAVEMENT TYPE D - 3 INCHES PAVEMENT THICKNESS	SY	$\rightarrow$	
5	205.4	HOTMIX ASPHALT PAVEMENT TYPE D - 2 INCHES PAVEMENT THICKNESS	SY	5,847	↓ )
6	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALT PAVEMENT (2 INCHES DEPTH)	SY	5,847	レ
7	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALT PAVEMENT (3 INCHES DEPTH)	SY	1,200	1
8	500.1	CONCRETE CURB	LF	64	
9	502.1	CONCRETE SIDEWALKS	SY	12	
10	503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS	SY	57	-
11	505.1 103.4	CONCRETE RIPRAP (6" THICK)  REMOVE MISC. CONCRETE	SY SF	61 420	1
13	SP-13	BYPASS PUMPING PAD 10'x10' WITH 4"-6" (D50) RIPRAP (COMPLETE)	LS	1	1
14	SP-13	EXISTING PAD RESTORATION	LS	1	1
15	511.1	REPLACING WITH FLEXIBLE BASE & PAVEMENT (12" COMPACTED DEPTH)	SY	16	
16	522.1	SIDEWALK PIPE RAILING	LF	44	
17	536.1	4" WIDE YELLOW LINE	LF	480	
18	536.2	4" WIDE WHITE LINE	LF	480	
19	814	24" DI WATERLINE (OPEN CUT)	LF	85	
20	836	PIPE FITTINGS (ALL TYPES & SIZES)	TN	1.55	-
21 22	840	24" WATER TIE-INS	EA	2	1
23	841 844.4	HYDROSTATIC TESTING  4" BLOW-OFF, TEMPORARY	EA EA	1 1	1
24	110/820	36" CSC RECYCLED WATER MAIN, RESTRAINED	LF	61	ł
25	110/820	30" MANWAY	EA	1	1
26	846	2" AIR RELEASE VALVE	EA	1	1
27	3100	TEMOPORARY WATER MAIN (12" HDPE)	LS	1	1
28	507.1	TEMPORARY CONSTRUCTION FENCE (4 FEET HIGH)	LF	111	
29	530	BARRICADES, SIGNS & TRAFFIC HANDLING	LS	1	1
30	SPTS 540	TEMPORARY EROSION, SEDIMENTATION AND WATER POLLUTION PREVENTION AND CONTROL	LS	1	1
31	550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	6,979	1
32 33	848A 848A	8" PVC SDR 26 (OPEN CUT 0'-10')  12" PVC SDR 26 (OPEN CUT 10'-20')	LF LF	106 67	1
34	848B	TESTING AND ACCEPTANCE OF PVC SDR 26 PIPE (ALL DEPTHS)	LS	1	1
35	852A	EXTRA DEPTH MANHOLE	VF	13	1
36	852A	4 FEET SANITARY SEWER MANHOLE	EA	1	1
37	852A	REMOVE & REPLACE 4' SANITARY SEWER MANHOLE	EA	2	
38	852B	TESTING AND ACCEPTANCE OF SANITARY SEWER MANHOLES (ALL TYPES)	LS	1	
39	853	EXTRA DEPTH TEE BASE MANHOLE	VF	194	] <u>/</u> î
40	853A	TEE BASE FIBERGLASS MANHOLE	EA	3	
41	853A	TEE BASE FIBERGLASS MANHOLE, MITER	EA	9	
42	853A	TEE BASE FIBERGLASS MANHOLE, MITER W/ SUMP	EA	1	
43	853A	TEE BASE FIBERGLASS DROP MANHOLE	EA	2	1
44	853A	TEE BASE FIBERGLASS DROP MANHOLE, MITER	EA	1	-
45	853B	TESTING AND ACCEPTANCE OF FRP MANHOLES (ALL TYPES)	LS	1 100	-
46 47	SS 2426 SS2610/SS2314	CARRIER PIPE IN TUNNELS – 84" FRP (ASTM D-3262)(SN 72)  102" STEEL CASING PIPE (0.5" THICKNESS) / 108" STEEL LINER PLATE	LF LF	1,196 550	-
48	SS2441/SS2314	PIPE-JACKED TUNNEL/TUNNELING WITH LINER PLATE	LF	550	1
49	SS2610	102" STEEL CASING PIPE (0.5" THICKNESS)	LF	89	1
50	SS2441	PIPE-JACKED TUNNEL	LF	89	
51	SS2314	108" STEEL LINER PLATE	LF	557	
52	SS2314	TUNNELING WITH LINER PLATE	LF	557	
53	857A	24" FRP (ASTM D-3262)(SN 72)(OPEN CUT 5'-10')	LF	43	
54	857A	66" FRP (ASTM D-3262)(SN 72)(OPEN CUT 15'-20')	LF	67	1
55 56	857A	84" FRP (ASTM D-3262)(SN 72)(OPEN CUT 10'-15')  84" FRP (ASTM D-3262)(SN 72)(OPEN CUT 15'-20')	LF LF	1,075	1
56 57	857A 857A	84" FRP (ASIM D-3262)(SN 72)(OPEN CUT 15 -20)  84" FRP (ASIM D-3262)(SN 72)(OPEN CUT 20'-25')	LF	4,940 525	ł
57 58	857A 857B	TESTING AND ACCEPTANCE OF FRP GRAVITY SEWER (ALL SIZES AND DEPTHS)	LF	1	1
59	858	CONCRETE ENCASEMENT (MIN STRENGTH, 2,000 PSI)	CY	4,126	1
60	413	FLOWABLE FILL	CY	351	1
61	862	ABANDON EXISTING SEWER MAIN (>15-INCH DIAMETER)	LF	7,706	1
62	862	ABANDON EXISTING SEWER MAIN (<15-INCH DIAMETER)	LF	70	1
63	864-S1	BYPASS PUMPING SMALL DIAMETER (<24")	LS	1	
64	SP 864-S2	BYPASS PUMPING LARGE DIAMETER (>24")	LS		Ι,
65	866	SEWER MAIN TV INSPECTION (ALL SIZES)	LF (	8,019	) <u>/</u>
66	866	SEWER MAIN TV INSPECTION (PRE-ABANDONMENT)	LF	503	Ī
67 68	910 TP7-TP10	MANHOLE REHABILITATION  DRILL SEEDING (WITH NATIVE SEED MIXTURE)	SF SY	692	1
		·			1
69	D-5	CONCRETE MANHOLE TOP SLAB	EA	9	
70	SS 804A	ENVIRONMENTAL SERVICES, INCLUSIVE OF AIR MONITORING, WASTE CHARACTERIZATION, (LABOR, LAB, OTHER DIRECT COSTS), REPORTING, AND ENVIRONMENTAL OVERSIGHT	LS	1	
71	SC 8044	CLASS 1 SOIL WASTE DISPOSAL INCLUSIVE OF REMOVING, MANAGING, CHARACTERIZING,	TON	156	
71	SS 804A	MANIFESTING, TRANSPORTING AND DISPOSING AT A PERMITTED LANDFILL	TON	156	]
72	SS 804A	CLASS 2 SOIL WASTE DISPOSAL INCLUSIVE OF REMOVING, MANAGING, CHARACTERIZING,	TON	1,440	
73	SS804A	MANIFESTING, TRANSPORTING AND DISPOSING AT A PERMITTED LANDFILL CONTAMINATED WATER DISPOSAL/RECYCLING INCLUSIVE OF EQUIPMENT RENTAL (FRAC TANK AND PUMPS) REMOVING, MANAGING, CHARACTERIZING MANIFESTING AND TRANSPORTING TO	GAL	10,000	)
74	SPTS TOOK	INTERMEDIATE DEMOBILIZATION/REMOBILIZATION (OPEN-CUT CONSTRUCTION)	EA	<del> </del>	
75	SPTS 100B	INTERMEDIATE DEMOBILIZATION/REMOBILIZATION (TUNNEL CONSTRUCTION)	EA	2	
76	864-S1,3	BYPASS PUMPING DURING DEMOBILIZATION (SMALL DIAMETER)	DAY	30	
	<b>←</b>	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL			1
77	864-S1.4	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING FUEL	DAY	30	-
78	864-S1.5	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING MONITORING	DAY	30	-
70		BYPASS PUMPING DURING DEMOBILIZATION (LARGE DIAMETER)	i		1
	864-SP-S2.3		DAY	30	
79	<b>∠</b>	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL			-
79 80 .	864-SP-S2.4	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL INTERMEDIATE DEMOBILIZATION BYPASS PUMPING FUEL	DAY	30	
79	<b>∠</b>	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL			

#### SAWS GENERAL CONSTRUCTION NOTES

#### GENERAL SECTION

- 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:
  - CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PAF CHAPTER 217 AND "PUBLIC DRINKING WATER", TAC TITLE
- 1 CHAPTER 217 AND PUBLIC DRINKING WATER, TAC III
  30 PART 1 CHAPTER 290.
  CURRENT TXDOT "STANDARD SPECIFICATIONS FOR
  CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE."
  CURRENT "SAN ANTONIO WATER SYSTEM STANDARD
  SPECIFICATIONS FOR WATER AND SANITARY SEWER
  CONSTRUCTION!" CONSTRUCTION.
- CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR CONSTRUCTION."
- CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL" (UECM).
- THE CONTRACTOR SHALL OBTAIN SAWS STANDARD DETAILS FROM SAWS WEBSITE, HTTP: //WWW.SAWS.ORG/BUSINESS\_CENTER/SPECS. 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, AND PROVIDE NOTIFICATION PROCEDURES THE CONTRACTOR LUSE TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 72 HOURS PRIOR TO EXCAVATION.
- 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 AT LEAST 1 WEEK 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.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1-2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS FACILITIES. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION

SAN ANTONIO WATER SYSTEM: SAWS UTILITY LOCATES: HTTP://WWW.SAWS.ORG/SERVICE/LOCATES

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

- 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.
- ALL WORK IN TEXAS HIGHWAY DEPARTMENT AND BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT.
- 8. THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.
- THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN PERMIT.
- 10. 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.
- . HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.

WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY THE SAWS INSPECTION CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST WEEKEND WORK, REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.

ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDAY/WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PRÓPER INSPECTION.

- 12. 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 PROVIDE ACCURATE DOCUMENTATION OF THE EXISTING
- 13. 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. COSTS INCURRED BY CONTRACTOR FOR BRACING OF THESE UTILITY POLES IS SUBSIDIARY TO THAT RESPECTIVE UTILITY COMPANY'S WORK. IT IS ADVISABLE FOR THE CONTRACTOR TO REVIEW THE CONSTRUCTION DOCUMENTS, AND VISIT THE CONSTRUCTION SITE TO DETERMINE POTENTIAL IMPACTS (NSPI).

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

#### WATER SECTION

- 15. 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 ONE WEEK 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 SAWS PRODUCTION CONTROL CENTER 233-2016
- 16. 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 DISTURBED OF THIS DIDE COCURS. BANKENT COR SUCC. DISTURBANCE OF THIS PIPE OCCURS, PAYMENT FOR SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM NO. 3000, SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE
- 17. 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)

#### SEWER SECTION

- 18. 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:
  - DENTIFY 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.

    ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.
    CONTAIN SEWAGE FROM THE SSO TO THE EXTENT OF PREVENTING A POSSIBLE CONTAMINATION OF WATERWAYS.
    CLEAN UP SPILL SITE (RETURN CONTAINED SEWAGE TO THE COLLECTION SYSTEM IF POSSIBLE) AND PROPERLY DISPOSE OF CONTAMINATED SOIL/MATERIALS.
- SOIL/MATERIALS.
- SOIL/MAIERIALS.
  CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.
  MEET ALL POST—SSO REQUIREMENTS AS PER THE EPA CONSENT DECREE,
  INCLUDING LINE CLEANING AND TELEVISING 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.

- 19 THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE AROUND THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED, IN ACCORDANCE WITH SAWS STANDARD SPECIFICATION FOR WATER AND SANITARY SEWER CONSTRUCTION, ITEM NO. 864 S-1A DND SP 864-S2, "BYPASS PUMPING". PAYMENT FOR SUCH WORK WILL BE MADE UNDER THE BID ITEM "SANITARY SEWER (BYPASS PUMPING)"(LUMP SUM) AS PER SAWS STANDARD SPECIFICATION FOR WATER AND SANITARY SEWER CONSTRUCTION, ITEM NO. 864, "BYPASS PUMPING".
- 20. 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 ONE WEEK 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.
- 21. 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
- 22. THE CONTRACTOR SHALL NOTIFY JUAN C. RAMIREZ AT (210) 233–3558 AND SAWS E.O.C. AT (210) 233–2015 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.

#### EXCAVATION EQUIPMENT

OUR EXPLORATORY BORING LOGS ARE NOT INTENDED FOR USE IN DETERMINING CONSTRUCTION MEANS AND METHODS AND MAY THEREFORE BE MISLEADING IF USED FOR THAT PURPOSE. WE RECOMMEND THAT EARTH—WORK AND UTILITY CONTRACTORS INTERESTED IN BIDDING ON THE WORK PERFORM THEIR OWN TESTS IN THE FORM OF TEST PITS TO DETERMINE AND QUANTITIES OF THE DIFFERENT MATERIALS TO BE EXCAVATED, AS WELL AS THE PREFERED EXCAVATION METHODS AND EQUIPMENT FOR THIS SITE. BORINGS COMPLETED FOR THIS PROJECT ARE WIDELY SPACED AND THEREFORE SUBSURFACE MATERIALS AND CONDITIONS CAN AND LIKELY WILL VARY BETWEEN BORINGS. MARI AND SHAIF REPROFE WERE PROCINITERED IN OUR RORINGS AT MARL AND SHALE BEDROCK WERE ENCOUNTERED IN OUR BORINGS AT RELATIVELY SHALLOW DEPTHS, THUS THE NEED OF ROCK EXCAVATION EQUIPMENT SHOULD BE ANTICIPATED FOR CONSTRUCTION AT THIS SITE. HARD ROCK EXCAVATION COSTS ASSOCIATED WITH THIS WORK ARE INCIDENTAL TO PIPE INSTALLATION.

8918-00 ASON T. DIAMON 9-18-20

2

PAPE-DAWSON

\*

Job No.

PAPE-DAWS ENGINEERS

ANTONIO TER SYSTEN

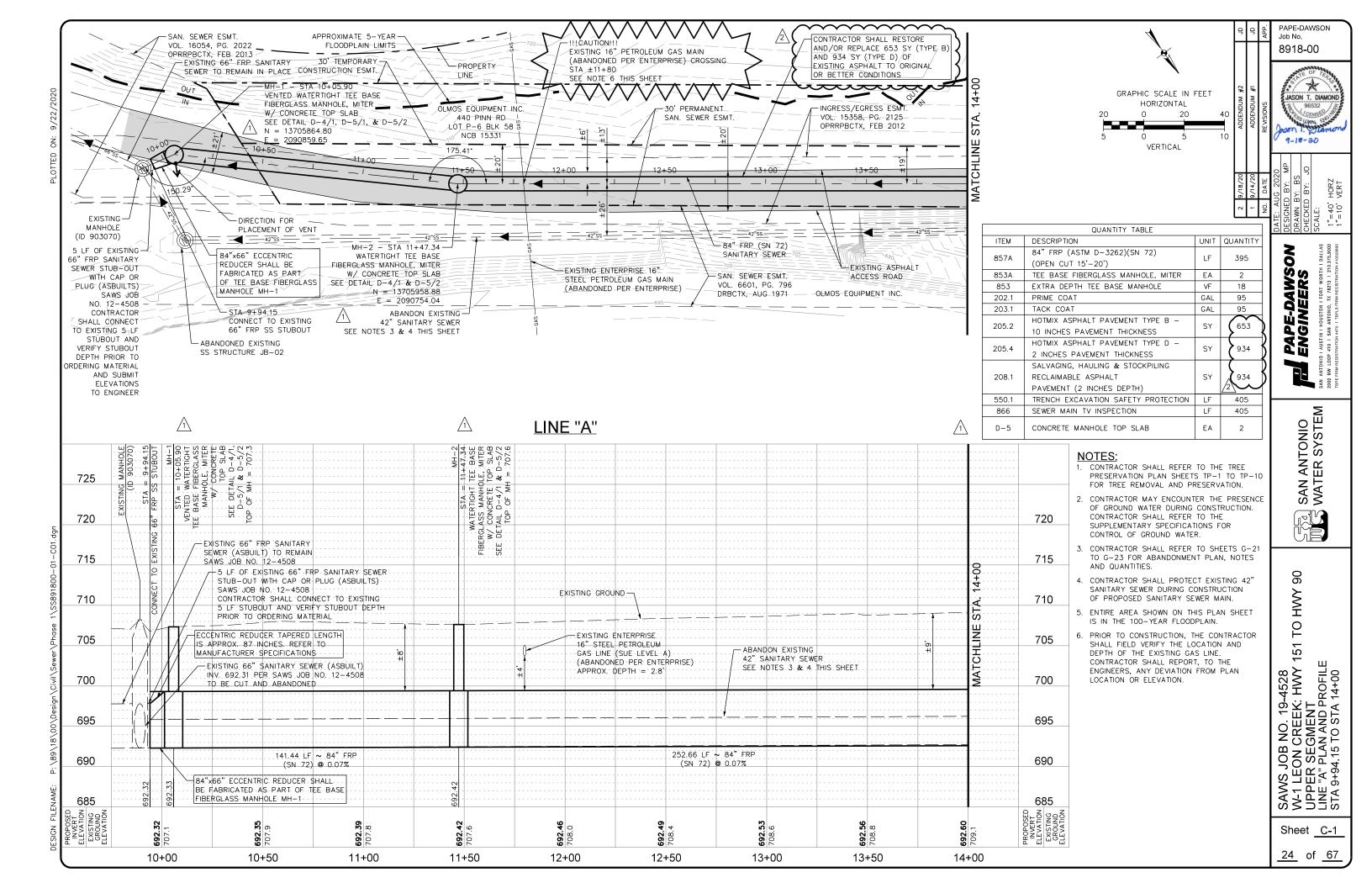
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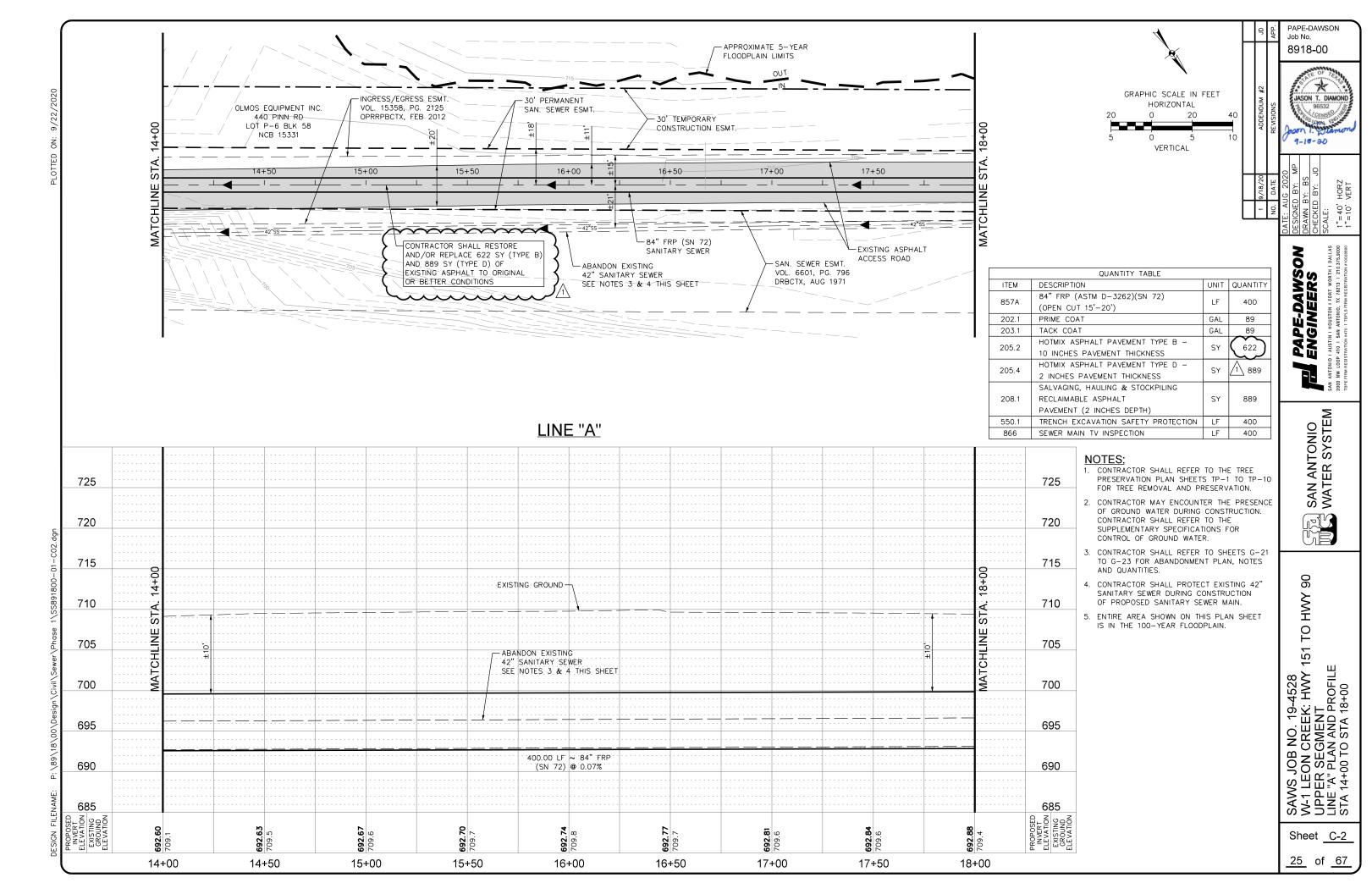
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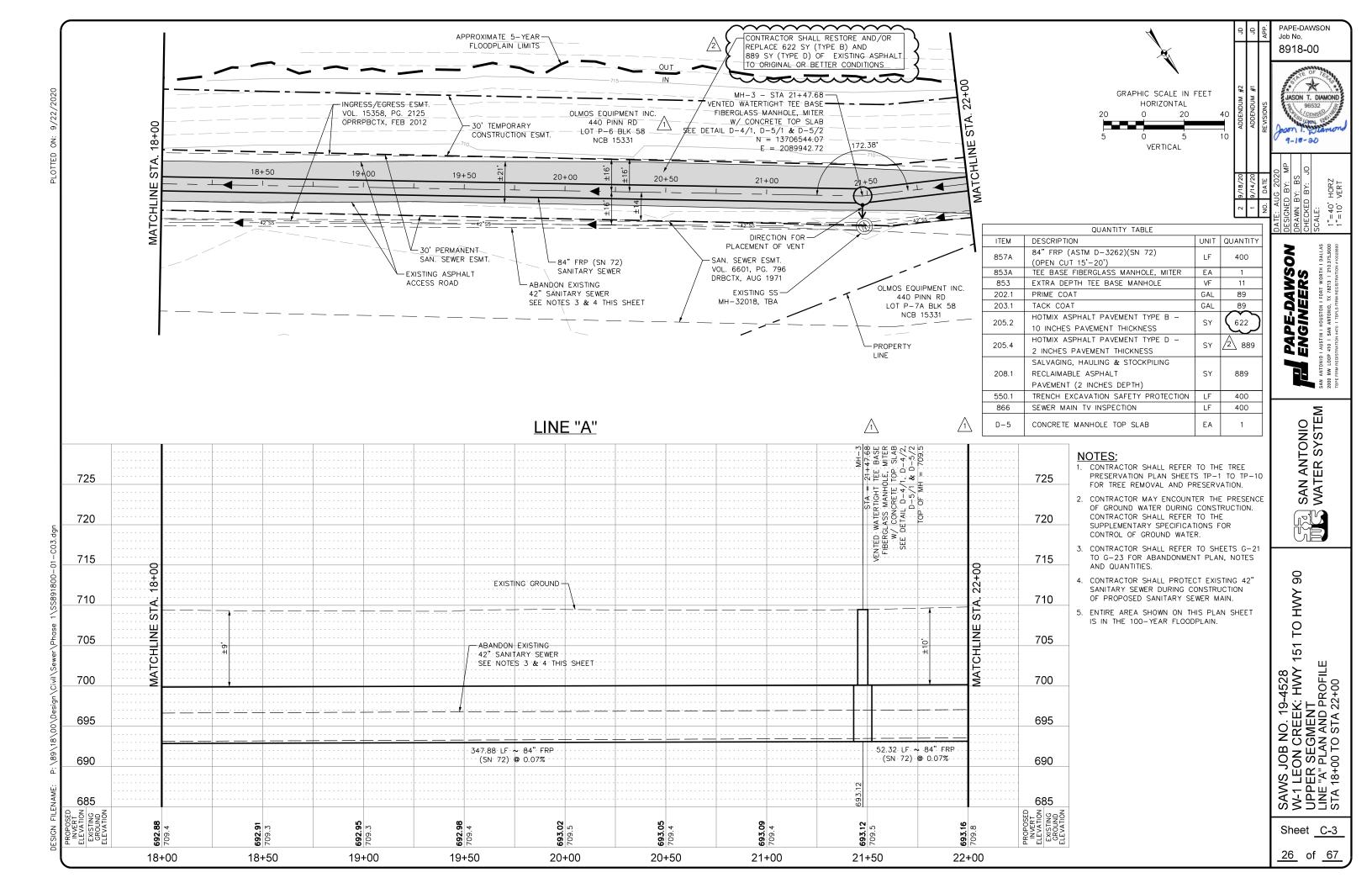
5 ENERAL YEET 151 4528 HWY ᅙᇰ SAWS JOB NO. 19-4528
W-1 LEON CREEK: HW
UPPER SEGMENT
QUANTITIES AND SAWS C
CONSTRUCTION NOTES S

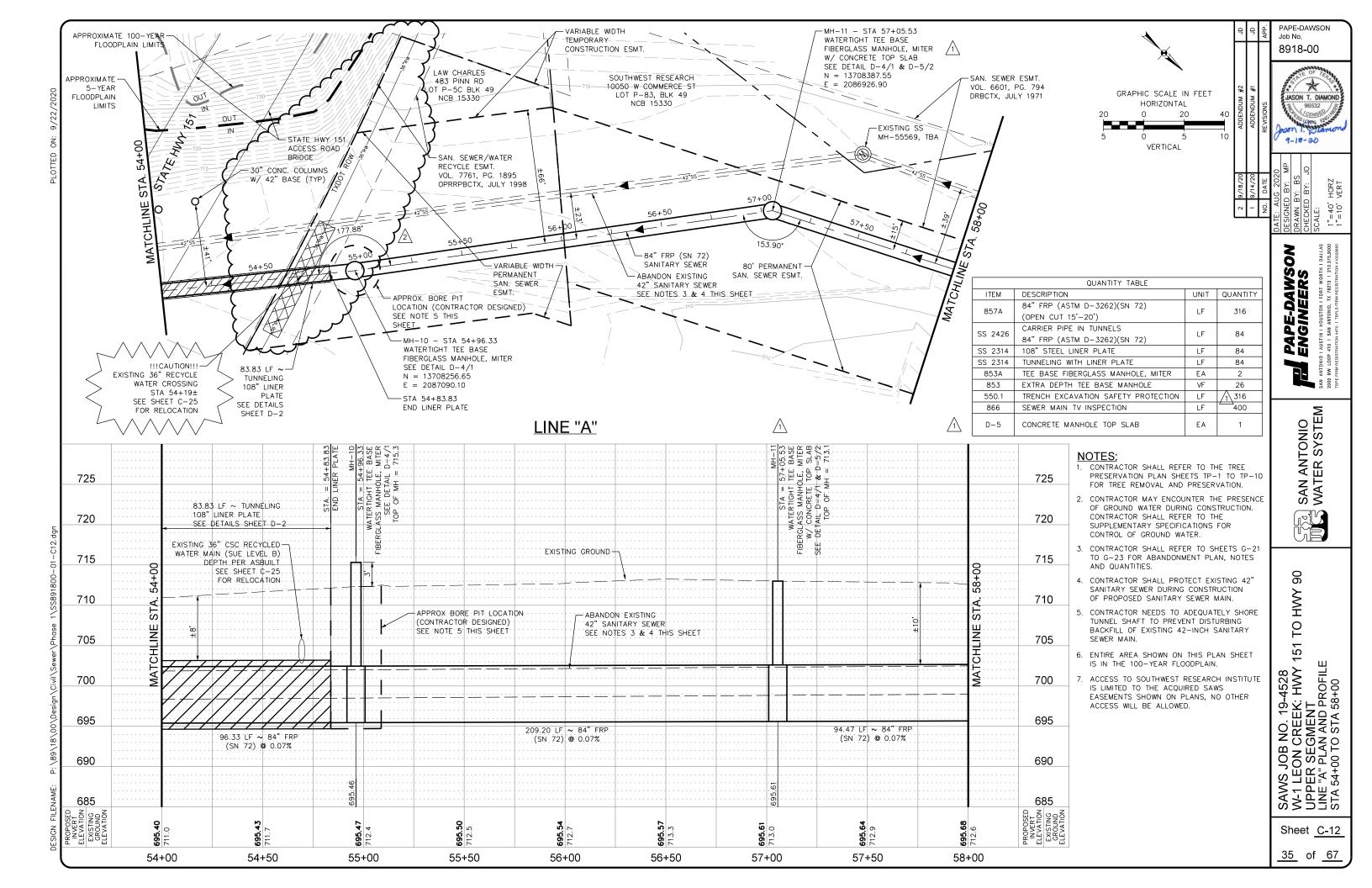
Sheet G-4

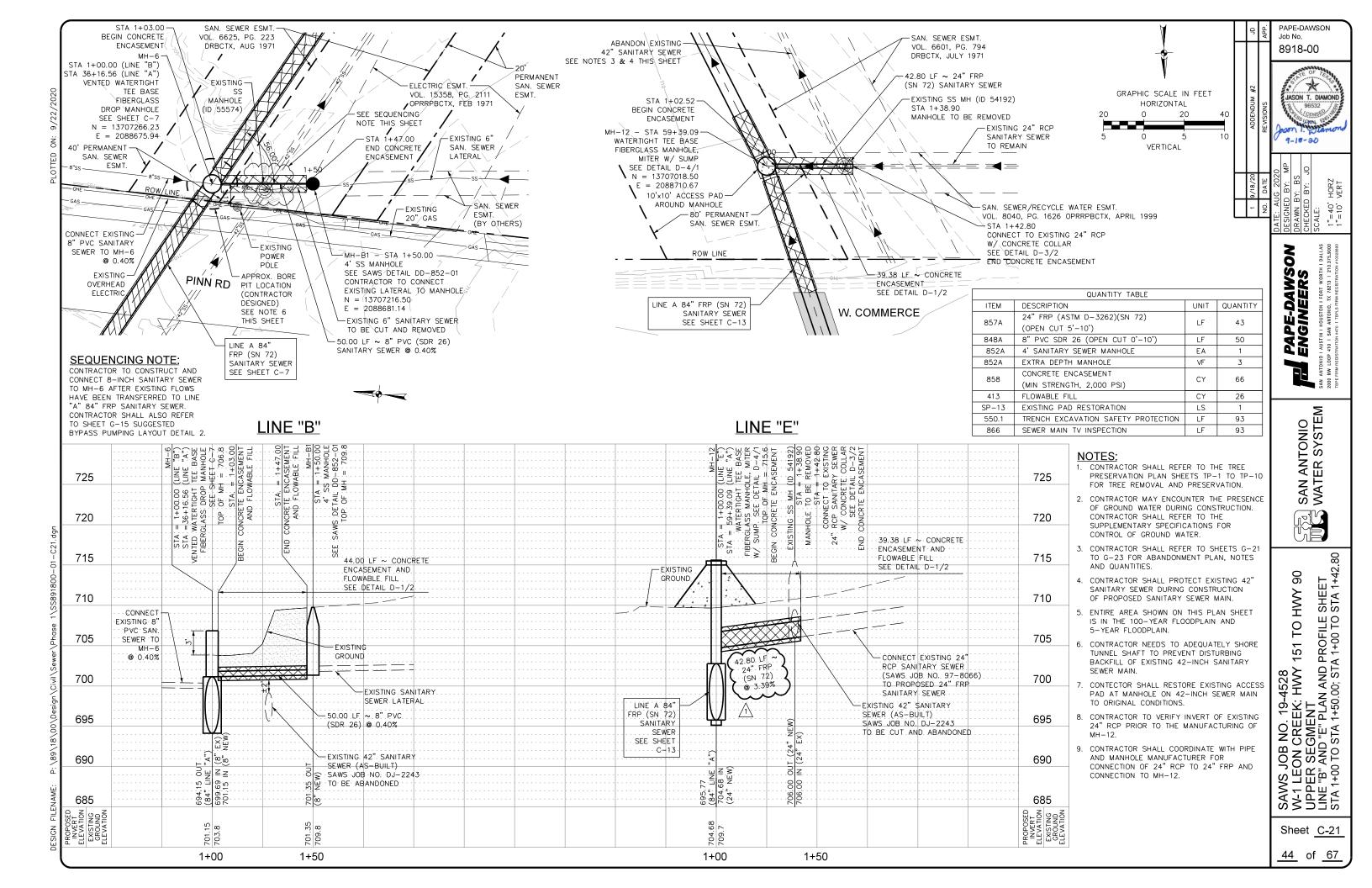
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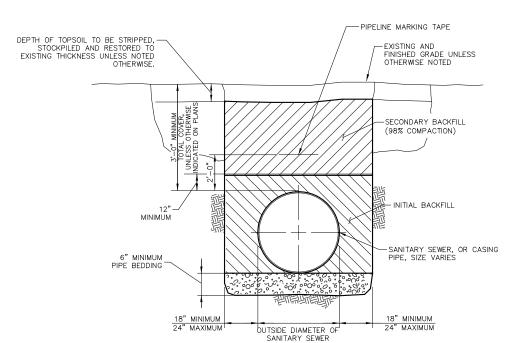






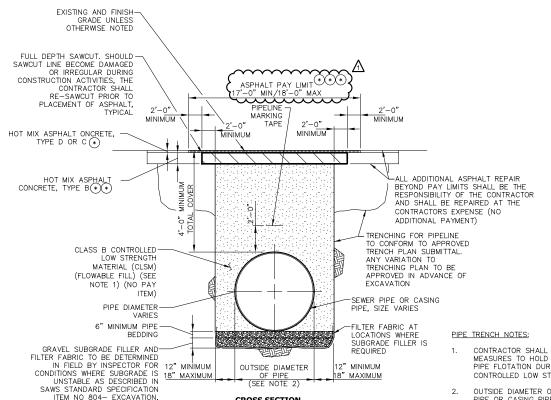






#### **CROSS SECTION**

TYPICAL PIPE TRENCH (UNPAVED SURFACE) N.T.S. (GREATER THAN 27" DIAMETER SEWER PIPE)



CROSS SECTION TRENCHING AND BACKFILL **TYPICAL PIPE TRENCH (ASPHALT SURFACE)** 

FOR 84" FRP PIPE

CONTRACTOR SHALL TAKE REQUIRED PREVENTIVE MEASURES TO HOLD PIPE IN PLACE TO PREVENT PIPE FLOTATION DURING PLACEMENT OF CONTROLLED LOW STRENGTH MATERIAL (CLSM).

OUTSIDE DIAMETER OF PIPE SHALL BE SEWER PIPE OR CASING PIPE AS SHOWN ON PLANS.

\*2" HMAC TY D FOR LOCAL STREETS 3" HMAC TY C FOR ARTERIAL/COLLECTOR STREETS

\* TY B (10" MIN) FOR LOCAL STREETS TY B (12" MIN) FOR ARTERIAL/COLLECTOR STREETS

TY B (12" MIN) FOR ARTERIAL/COLLECTOR STREETS

TY B (12" MIN) FOR ARTERIAL/COLLECTOR STREETS

TY B (12" MIN) FOR ARTERIAL/COLLECTOR STREETS

TY B (12" MIN) FOR ARTERIAL/COLLECTOR STREETS TY D (2" MIN) WITH 20' MAX ASPHALT PAY LIMITS'

DEPTH OF TOPSOIL TO BE STRIPPED, STOCKPILED AND RESTORED TO EXISTING THICKNESS UNLESS NOTED - PIPELINE MARKING TAPE SECONDARY BACKFILL 2000 PSI CONCRETE -SANITARY SEWER CONTRACTOR TO PROVIDE INTERMITTENT/ADEQUATE
SUPPORT FOR PIPE 6" MINIMUM → 18" MINIMUM 18" MINIMUM 24" MAXIMUM 24" MAXIMUM OUTSIDE DIAMETER OF SANITARY SEWER

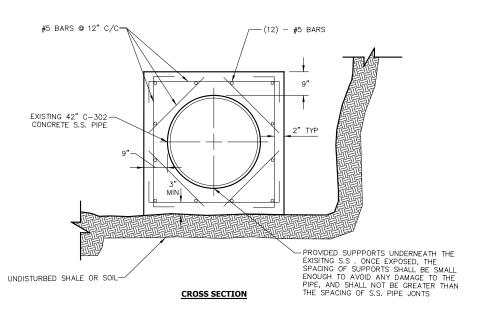
### NOTES:

-EXISTING AND FINISHED GRADE

- CONTRACTOR SHALL TAKE REQUIRED PREVENTATIVE MEASURES TO HOLD PIPE IN PLACE TO PREVENT PIPE FLOTATION DURING PLACEMENT OF CONCRETE ENCASEMENT.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI UNLESS NOTED OTHERWISE.
- CONCRETE ENCASEMENT APPLIES TO DESIGNATED CREEK/TRIBUTARY CROSSINGS FOR LIMITS SHOWN ON PLAN AND PROFILE SHEETS.
- CONCRETE ENCASEMENT SHALL BE MEASURED IN PLACE TO THE HORIZONTAL LENGTH AS INDICATED ON THE PLANS.
- WHERE THE TRENCH BOTTOM HAS BEEN OVER EXCAVATED BEYOND THE LIMITS AS DEFINED IN ITEM NO. 848, "SANITARY SEWERS", DUE TO REMOVAL OF UNUSABLE MATERIAL, THE PIPE SHALL BE CONCRETE ENCASED.

CROSS SECTION

CONCRETE ENCASEMENT N.T.S. (FOR FIBERGLASS PIPE)





Job No. M061

MAES

SAN ANTONIO WATER SYSTEM

9

₩H 2 151 DETAI -4528 HWY DB NO 19-7 N CREEK I SEGMENT TRENCH [ SAWS JOB I W-1 LEON C UPPER SEG TYPICAL TR

Sheet D-1

49 of <u>67</u>