



**2019 Small Capacity Constraints I
Solicitation Number: CO-00466
Job No.: 19-4526**

**ADDENDUM 1
October 22, 2021**

To Bidder of Record:

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

RESPONSES TO QUESTIONS

- 1. Typically SAWS requires flowable fill for any sewer line that does not have 4ft of cover. Can you add a bid item for flowable fill.**

Response: Plan sheets GEN-05 and A-06 are revised and attached to this Addendum to include quantities for concrete encasement as per Specification 858 Concrete Encasement, Cradles, Saddles and Collars. Link to SAWS 2020 Specifications is available in the Table of Contents of the Contract Documents.

- 2. Does the bores require annular grouting between carrier pipe and casing.**

Response: Refer to Specification 856 Jacking Boring or Tunneling Pipe, Detail DD-856-02 for the casing spacers and steel risers to be utilized for supporting the carrier pipe inside the casing. Link to SAWS 2020 Specifications is available in the Table of Contents of the Contract Documents.

CHANGES TO SPECIFICATIONS

- 1. Bid Proposal – Remove in its entirety and replace with the revised version attached to this addendum. The revised Bid Proposal form includes the updated list of Bid Items. Respondents will utilize the attached Bid Proposal form in their submittals. Failure to use the revised bid proposal may result in the Contractor’s bid being found non-responsive and rejected.**

CHANGES TO PLANS

1. Remove the following sheets dated 9/23/21 and replace with the attached sheets dated 10/21/2021:
 - a. Sheet GEN-05 (5 of 202) Overall Quantities Tables
 - b. Sheet A-06 (12 of 202) Babcock Road Sewerline Plan and Profile Sta. 1+00 to Sta. 4+00
 - c. Sheet G-10 (115 of 202) Piedmont And E. Southcross Pavement Plan Sheet 1 of 6.
 - d. Sheet G-11 (116 of 202) Piedmont And E. Southcross Pavement Plan Sheet 2 of 6.
2. A new plan sheet G-43A (148A of 202) Piedmont And E. Southcross Traffic Control Plan Phase I dated 10/21/21 is added to the project.

CLARIFICATIONS

1. Bid Proposal– List of Bid Items has the following updates:
 - a) Quantity for Line Item Spec No. 511 Trench Repair has increased.

- b) New Quantity Line Item for Spec No. 858 Concrete Encasement, Cradles, Saddles and Collars has been added.
2. Plan Sheet GEN-05 – Revised plan sheet includes updates to the estimated quantities per the updated List of Bid Items.
 3. Plan Sheet A-06 – Revised plan sheet includes updated quantities table. The quantities for Line Item Spec No. 858 Concrete Encasement, Cradles, Saddles and Collars has been added.
 4. Plan Sheet G-10 and G-11 – Revised plan sheet includes updated quantities table. The quantities for Line Item Spec No. 511 Trench Repair have been increased.
 5. Plan Sheet G-43A – New plan sheet includes Traffic Control Plans.
 6. Refer to Specification 804 Excavation, Trenching and Backfill, Detail DD-804-01 for the maximum limits of pay for pavement replacement. Link to SAWS 2020 Specifications is available in the Table of Contents of the Contract Documents.

END OF ADDENDUM

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

Attachments:

- Plan Sheets GEN-05, A-06, G-10, G-11, and G-43A (5 pages total)
- Bid Proposal Form (4 pages total)



Veerabhadra Reddy. Kajuluri
WESTON SOLUTIONS, INC.
Texas Registered Engineering Firm F-3123

ADDENDUM No-1
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 **270** 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



SAN ANTONIO WATER SYSTEM
2019 Small Capacity Constraints I Project SAWS Job No. 19-4526
October 2021

ITEM	PAY ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	SUBTOTAL
1	103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	853	\$	\$
2	103.3	REMOVE CONCRETE SIDEWALKS AND DRIVEWAYS (COSA SPEC)	SF	811	\$	\$
3	103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	1,689	\$	\$
4	203	TACK COAT (COSA SPEC)	GAL	1,817	\$	\$
5	205.3	HOT MIX ASPHALT CONCRETE PAVEMENT TYPE C (3" COMPACTED) (COSA SPEC)	SY	28	\$	\$
6	205.4	HOT MIX ASPHALT CONCRETE PAVEMENT TYPE D (2" COMPACTED) (COSA SPEC)	SY	9,351	\$	\$
7	206.1	ASPHALT TREATED BASE (ATB) (10" COMPACTED DEPTH) (COSA SPEC)	SY	1,494	\$	\$
8	208.2	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	9,080	\$	\$
9	209.1	CONCRETE PAVEMENT (10") (COSA SPEC)	SY	188	\$	\$
10	307.1	CONCRETE STRUCTURE (MISCELLANEOUS)(COSA SPEC)	CY	15	\$	\$
11	307.2	CONCRETE STRUCTURE(COSA SPEC)	SY	70	\$	\$
12	500.1	CONCRETE CURB (COSA SPEC)	LF	860	\$	\$
13	502.1	CONCRETE SIDEWALKS (COSA SPEC)	SY	43	\$	\$
14	503.1	PORTLAND CEMENT CONCRETE DRIVEWAY	SY	47	\$	\$
15	503.5	GRAVEL DRIVEWAY	SY	3	\$	\$
16	511	TRENCH REPAIR	SY	5,833	\$	\$
17	516.1	BERMUDA SODDING	SY	624	\$	\$
18	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- BABCOCK	LS	1	\$	\$
19	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- JACKSON KELLER	LS	1	\$	\$
20	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- MIDCROWN	LS	1	\$	\$
21	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- N.FLORES	LS	1	\$	\$
22	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- BERYL	LS	1	\$	\$
23	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- WILSON	LS	1	\$	\$
24	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- PIEDMONT	LS	1	\$	\$
25	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- YOLANDA	LS	1	\$	\$
26	531.75	D11-1 (BIKE ROUTE) (24" X 18") HIGH INTENSITY	EA	1	\$	\$
27	531.86	M7-5 (ARROW) (BICYCLE ROUTE SIGN SUPPLEMENTAL PLAQUES) (24" X 9") (HIGH INTENSITY)	EA	1	\$	\$
28	535.1	4 INCH WIDE YELLOW LINE	LF	1,630	\$	\$
29	535.2	4 INCH WIDE WHITE LINE	LF	390	\$	\$
30	535.4	8 INCH WIDE WHITE LINE	LF	6	\$	\$
31	535.7	24 INCH WIDE WHITE LINE	LF	265	\$	\$
32	535.9	LEFT WHITE ARROW	EA	1	\$	\$
33	537.8	PAVEMENT MARKER (TYPE II-A-A)	EA	76	\$	\$
34	540	SWPPP	LS	1	\$	\$
35	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	14,461	\$	\$
36	801.3	LEVEL IIB PROTECTIVE FENCING (COSA SPEC)	LF	1,200	\$	\$
37	845.1	REMOVE AND REPLACE FENCE	LF	565	\$	\$
38	848	SANITARY SEWER PIPE TESTING AND ACCEPTANCE	LF	14,131	\$	\$
39	848	8" HDPE SANITARY SEWER LINE (ALL DEPTH) (125 PSI) (DIPS)	LF	148	\$	\$
40	848	8" PVC SANITARY SEWER LINE ALL DEPTH (SDR 26- D3034)	LF	895	\$	\$
41	848	8" PVC SANITARY SEWER LINE ALL DEPTH (150 PSI) (SDR 26- D2241)	LF	1,583	\$	\$
42	848	10" HDPE SANITARY SEWER LINE (ALL DEPTH)	LF	74	\$	\$
43	848	10" PVC SANITARY SEWER LINE (ALL DEPTHS)(SDR 26- D2241)	LF	14	\$	\$
44	848	12" PVC SANITARY SEWER LINE (0 - 10') (SDR 26- D3034)	LF	1,272	\$	\$
45	848	12" PVC SANITARY SEWER LINE (0 - 10') (150 PSI) (SDR 26- D2241)	LF	683	\$	\$
46	848	12" PVC SANITARY SEWER LINE (10'- 20') (SDR 26- D3034)	LF	2,849	\$	\$
47	848	12" PVC SANITARY SEWER LINE (10'- 20') (150 PSI) (SDR 26- D2241)	LF	437	\$	\$
48	848	12" PVC SANITARY SEWER LINE (20'-25') (SDR 26- D3034)	LF	275	\$	\$



SAN ANTONIO WATER SYSTEM
2019 Small Capacity Constraints I Project SAWS Job No. 19-4526
October 2021

ITEM	PAY ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	SUBTOTAL
49	848	15" PVC SANITARY SEWER LINE (0- 10') (150 PSI) (SDR 26- D2241)	LF	2,738	\$	\$
50	848	15" PVC SANITARY SEWER LINE (10'- 20')(SDR 26- D3034)	LF	140	\$	\$
51	848	15" PVC SANITARY SEWER LINE (10'- 20') (150 PSI) (SDR 26- D2241)	LF	2,240	\$	\$
52	850	SANITARY SEWER STRUCTURES -INLET SIPHON (PIEDMONT & YOLANDA)	EA	2	\$	\$
53	850	SANITARY SEWER STRUCTURES -OUTLET SIPHON (PIEDMONT & YOLANDA)	EA	2	\$	\$
54	850	SANITARY SEWER STRUCTURE – DROP MANHOLE (0' - 6') 5' DIA	EA	1	\$	\$
55	850	EXTRA DEPTH SANITARY SEWER STRUCTURE - DROP MANHOLE (>6') 5' DIA	VF	15	\$	\$
56	850	SANITARY SEWER STRUCTURE - DROP MANHOLE - (0' - 6') 8' DIA	EA	1	\$	\$
57	850	EXTRA DEPTH SANITARY SEWER STRUCTURE - DROP MANHOLE (>6') 8' DIA	VF	19	\$	\$
58	850	SANITARY SEWER STRUCTURE - MANHOLE (DOGHOUSE) (0' - 6') 8' DIA	EA	1	\$	\$
59	850	EXTRA DEPTH SANITARY SEWER STRUCTURE - MANHOLE (DOGHOUSE) (>6') 8' DIA	VF	5	\$	\$
60	850	SANITARY SEWER STRUCTURE - DROP MANHOLE -(0' - 6') 7' DIA	EA	1	\$	\$
61	850	EXTRA DEPTH SANITARY SEWER STRUCTURE - DROP MANHOLE (>6') - 7' DIA	VF	14	\$	\$
62	851	EXISTING MANHOLE ADJUSTMENT	EA	9	\$	\$
63	852	SANITARY SEWER MANHOLE (0' - 6') 4' DIA	EA	6	\$	\$
64	852	SANITARY SEWER DROP MANHOLE (0' - 6') 4' DIA	EA	1	\$	\$
65	852	EXTRA DEPTH MANHOLES (>6') 4' DIA	VF	32	\$	\$
66	852	EXTRA DEPTH DROP MANHOLES(>6') 4' DIA	VF	3	\$	\$
67	853	SANITARY SEWER STRUCTURE -(FRP) MANHOLE (DOGHOUSE) 4' DIA	EA	3	\$	\$
68	853	EXTRA DEPTH SANITARY SEWER STRUCTURE - (FRP) MANHOLE (DOGHOUSE) 4' DIA	VF	1	\$	\$
69	853	SANITARY SEWER MANHOLE -(FRP) (0' - 6') 4' DIA	EA	47	\$	\$
70	853	SANITARY SEWER DROP MANHOLE - (FRP) (0'-6') (4' DIA)	EA	19	\$	\$
71	853	EXTRA DEPTH MANHOLES (FRP) (>6') 4' DIA	VF	217	\$	\$
72	853	EXTRA DEPTH DROP MANHOLES (FRP) (>6') 4' DIA	VF	121	\$	\$
73	854	SANITARY SEWER LATERAL (SDR 26- D2241)	LF	891	\$	\$
74	854.1	SANITARY SEWER CLEANOUT- TWO WAY	EA	77	\$	\$
75	856.1	JACKING, BORING PIPE 18"	LF	330	\$	\$
76	856.1	JACKING, BORING PIPE 24"	LF	50	\$	\$
77	856.1	JACKING, BORING PIPE 30"	LF	115	\$	\$
78	856.2	8" HDPE CARRIER PIPE (DIPS) (125 PSI)	LF	180	\$	\$
79	856.2	10" HDPE CARRIER PIPE (DIPS) (125 PSI)	LF	90	\$	\$
80	856.2	8" CARRIER PIPE (ASTM F679 115 PSI)	LF	60	\$	\$
81	856.2	12" CARRIER PIPE (ASTM F679 115 PSI)	LF	50	\$	\$
82	856.2	15" CARRIER PIPE (ASTM F679 115 PSI)	LF	115	\$	\$
83	856.2	15" CARRIER PIPE (SDR 26- D2241 150 PSI)	LF	289	\$	\$
84	856.3	18" STEEL CASING PIPE (0.375" THICKNESS MIN. YIELD STRENGTH 35000 PSI)	LF	330	\$	\$
85	856.3	24" STEEL CASING PIPE (0.438" THICKNESS MIN. YIELD STRENGTH 35000 PSI)	LF	50	\$	\$
86	856.3	30" STEEL CASING PIPE (0.438" THICKNESS MIN. YIELD STRENGTH 35000 PSI)	LF	404	\$	\$
87	858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	6	\$	\$
88	860	VERTICAL STACK	VF	1,115	\$	\$
89	862	ABANDONMENT OF SANITARY SEWER MAINS 15"	LF	906	\$	\$
90	862	ABANDONMENT OF SANITARY MANHOLES	EA	7	\$	\$
91	862.1	ABANDONMENT OF SIPHON MANHOLES	EA	2	\$	\$
92	862.2	ABANDONMENT OF SIPHON SANITARY SEWER MAINS 15"	LF	225	\$	\$
93	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWER)- JACKSON KELLER	LS	1	\$	\$
94	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWER)- YOLANDA	LS	1	\$	\$
95	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- BABCOCK	LS	1	\$	\$
96	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- JACKSON KELLER	LS	1	\$	\$
97	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- MIDCROWN	LS	1	\$	\$



SAN ANTONIO WATER SYSTEM
2019 Small Capacity Constraints I Project SAWS Job No. 19-4526
October 2021

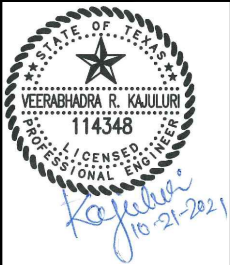
ITEM	PAY ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	SUBTOTAL
98	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- N.FLORES	LS	1	\$	\$
99	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- BERYL	LS	1	\$	\$
100	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- WILSON	LS	1	\$	\$
101	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- PIEDMONT	LS	1	\$	\$
102	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- YOLANDA	LS	1	\$	\$
103	866	EXISTING TELEVISION INSPECTION (PRE CCTV)	LF	11,387	\$	\$
104	866	SEWER MAIN TELEVISION INSPECTION (8" - 15") (POST CCTV)	LF	14,150	\$	\$
105	901	REHABILITATION OF SIPHON SANITARY SEWER BY CURED-IN-PLACE 10" PIPE (HOT WATER) ALL DEPTH	LF	102	\$	\$
106	910	SIPHON MANHOLES REHABILITATION	VF	20	\$	\$
107	910	MANHOLE REHABILITATION	VF	56	\$	\$
108	1109	SANITARY SEWER LATERAL STUB OUTS OR RECONNECTIONS	EA	150	\$	\$
109	100A.1	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION FOR OPEN-CUT CONSTRUCTION	EA	1	\$	\$
110	100A.2	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL FOR OPEN-CUT CONSTRUCTION	MD	20	\$	\$
111	100A.3	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING FUEL FOR OPEN-CUT CONSTRUCTION	MD	20	\$	\$
112	100A.4	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING WATCH FOR OPEN-CUT CONSTRUCTION	MD	20	\$	\$
113	SC	CPS ENERGY ALLOWANCE	ALW	1	\$ 20,000	\$ 20,000
Subtotal (Items 1-113)						
114	100	MOBILIZATION (MAX 10% OF ITEMS 1 TO 113)	LS	1		\$
115	101	PREPARING RIGHT-OF-WAY (MAX 5% OF ITEMS 1 TO 113)	LS	1		\$
Mobilization and Prep ROW shall be limited to the maximum percentage shown. If the percentage exceeds the allowable maximum stated for the mobilization and/or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extension of the bid items accordingly.						
TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1-113 AND 114-115)						\$

\\resnetv1\STX_Data\Shared\SAWS\2019_Small_Capacity_Constraints\07.0_Design_Constraints\CAD\Design_Engineering\GEN\GEN-05.dwg Oct 21, 2021 - 4:05pm STAUDTS
 C:\Users\staudts\Desktop\SAWS\DESIGN PKO\GEN-05.dwg Oct 21, 2021 - 4:05pm STAUDTS

ITEM NO.	SPEC. NO.	DESCRIPTION	UNIT	QUANTITY
1	103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	853
2	103.3	REMOVE CONCRETE SIDEWALKS AND DRIVEWAYS (COSA SPEC)	SF	811
3	103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	1,689
4	203	TACK COAT (COSA SPEC)	GAL	1,817
5	205.3	HOT MIX ASPHALT CONCRETE PAVEMENT TYPE C (3" COMPACTED) (COSA SPEC)	SY	28
6	205.4	HOT MIX ASPHALT CONCRETE PAVEMENT TYPE D (2" COMPACTED) (COSA SPEC)	SY	9,351
7	206.1	ASPHALT TREATED BASE (ATB) (10" COMPACTED DEPTH) (COSA SPEC)	SY	1,494
8	208.2	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	9,080
9	209.1	CONCRETE PAVEMENT (10") (COSA SPEC)	SY	188
10	307.1	CONCRETE STRUCTURE (MISCELLANEOUS)(COSA SPEC)	CY	15
11	307.2	CONCRETE STRUCTURE(COSA SPEC)	SY	70
12	500.1	CONCRETE CURB (COSA SPEC)	LF	860
13	502.1	CONCRETE SIDEWALKS (COSA SPEC)	SY	43
14	503.1	PORTLAND CEMENT CONCRETE DRIVEWAY	SY	47
15	503.5	GRAVEL DRIVEWAY	SY	3
16	511	TRENCH REPAIR	SY	5,833
17	516.1	BERMUDA SODDING	SY	624
18	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- BABCOCK	LS	1
19	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- JACKSON KELLER	LS	1
20	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- MIDCROWN	LS	1
21	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- N.FLORES	LS	1
22	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- BERYL	LS	1
23	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- WILSON	LS	1
24	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- PIEDMONT	LS	1
25	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING- YOLANDA	LS	1
26	531.75	D11-1 (BIKE ROUTE) (24" X 18") HIGH INTENSITY	EA	1
27	531.86	M7-5 (ARROW) (BICYCLE ROUTE SIGN SUPPLEMENTAL PLAQUES) (24" X 9") (HIGH INTENSITY)	EA	1
28	535.1	4 INCH WIDE YELLOW LINE	LF	1,630
29	535.2	4 INCH WIDE WHITE LINE	LF	390
30	535.4	8 INCH WIDE WHITE LINE	LF	6
31	535.7	24 INCH WIDE WHITE LINE	LF	265
32	535.9	LEFT WHITE ARROW	EA	1
33	537.8	PAVEMENT MARKER (TYPE II-A-A)	EA	76
34	540	SWPPP	LS	1
35	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	14,461
36	801.3	LEVEL IIB PROTECTIVE FENCING (COSA SPEC)	LF	1,200
37	845.1	REMOVE AND REPLACE FENCE	LF	565
38	848	SANITARY SEWER PIPE TESTING AND ACCEPTANCE	LF	14,956
39	848	8" HDPE SANITARY SEWER LINE (ALL DEPTH) (125 PSI) (DIPS)	LF	148
40	848	8" PVC SANITARY SEWER LINE ALL DEPTH (SDR 26- D3034)	LF	895
41	848	8" PVC SANITARY SEWER LINE ALL DEPTH (150 PSI) (SDR 26- D2241)	LF	1,583
42	848	10" HDPE SANITARY SEWER LINE (ALL DEPTH)	LF	74
43	848	10" PVC SANITARY SEWER LINE (ALL DEPTHS)(SDR 26- D2241)	LF	14
44	848	12" PVC SANITARY SEWER LINE (0 - 10') (SDR 26- D3034)	LF	1,272
45	848	12" PVC SANITARY SEWER LINE (0 - 10') (150 PSI) (SDR 26- D2241)	LF	683
46	848	12" PVC SANITARY SEWER LINE (10'- 20') (SDR 26- D3034)	LF	2,849
47	848	12" PVC SANITARY SEWER LINE (10'- 20') (150 PSI) (SDR 26- D2241)	LF	437
48	848	12" PVC SANITARY SEWER LINE (20'-25') (SDR 26- D3034)	LF	275
49	848	15" PVC SANITARY SEWER LINE (0- 10') (150 PSI) (SDR 26- D2241)	LF	2,738
50	848	15" PVC SANITARY SEWER LINE (10'- 20')(SDR 26- D3034)	LF	140
51	848	15" PVC SANITARY SEWER LINE (10'- 20') (150 PSI) (SDR 26- D2241)	LF	2,240
52	850	SANITARY SEWER STRUCTURES -INLET SIPHON (PIEDMONT & YOLANDA)	EA	2
53	850	SANITARY SEWER STRUCTURES -OUTLET SIPHON (PIEDMONT & YOLANDA)	EA	2
54	850	SANITARY SEWER STRUCTURE - DROP MANHOLE (0' - 6') 5' DIA	EA	1
55	850	EXTRA DEPTH SANITARY SEWER STRUCTURE - DROP MANHOLE (>6') 5' DIA	VF	15
56	850	SANITARY SEWER STRUCTURE - DROP MANHOLE - (0' - 6') 8' DIA	EA	1
57	850	EXTRA DEPTH SANITARY SEWER STRUCTURE - DROP MANHOLE (>6') 8' DIA	VF	19
58	850	SANITARY SEWER STRUCTURE - MANHOLE (DOGHOUSE) (0' - 6') 8' DIA	EA	1

59	850	EXTRA DEPTH SANITARY SEWER STRUCTURE - MANHOLE (DOGHOUSE) (>6') 8' DIA	VF	5
60	850	SANITARY SEWER STRUCTURE - DROP MANHOLE -(0' - 6') 7' DIA	EA	1
61	850	EXTRA DEPTH SANITARY SEWER STRUCTURE - DROP MANHOLE (>6') - 7' DIA	VF	14
62	851	EXISTING MANHOLE ADJUSTMENT	EA	9
63	852	SANITARY SEWER MANHOLE (0' - 6') 4' DIA	EA	6
64	852	SANITARY SEWER DROP MANHOLE (0' - 6') 4' DIA	EA	1
65	852	EXTRA DEPTH MANHOLES (>6') 4' DIA	VF	32
66	852	EXTRA DEPTH DROP MANHOLES(>6') 4' DIA	VF	3
67	853	SANITARY SEWER STRUCTURE -(FRP) MANHOLE (DOGHOUSE) 4' DIA	EA	3
68	853	EXTRA DEPTH SANITARY SEWER STRUCTURE -(FRP) MANHOLE (DOGHOUSE) 4' DIA	VF	1
69	853	SANITARY SEWER MANHOLE -(FRP) (0' - 6') 4' DIA	EA	47
70	853	SANITARY SEWER DROP MANHOLE -(FRP) (0'-6') (4' DIA)	EA	19
71	853	EXTRA DEPTH MANHOLES (FRP) (>6') 4' DIA	VF	217
72	853	EXTRA DEPTH DROP MANHOLES (FRP) (>6') 4' DIA	VF	121
73	854	SANITARY SEWER LATERAL (SDR 26- D2241)	LF	891
74	854.1	SANITARY SEWER CLEANOUT- TWO WAY	EA	74
75	856.1	JACKING, BORING PIPE 18"	LF	330
76	856.1	JACKING, BORING PIPE 24"	LF	50
77	856.1	JACKING, BORING PIPE 30"	LF	115
78	856.2	8" HDPE CARRIER PIPE (DIPS) (125 PSI)	LF	180
79	856.2	10" HDPE CARRIER PIPE (DIPS) (125 PSI)	LF	90
80	856.2	8" CARRIER PIPE (ASTM F679 115 PSI)	LF	60
81	856.2	12" CARRIER PIPE (ASTM F679 115 PSI)	LF	50
82	856.2	15" CARRIER PIPE (ASTM F679 115 PSI)	LF	115
83	856.2	15" CARRIER PIPE (SDR 26- D2241 150 PSI)	LF	289
84	856.3	18" STEEL CASING PIPE (0.375" THICKNESS MIN. YIELD STRENGTH 35000 PSI)	LF	330
85	856.3	24" STEEL CASING PIPE (0.438" THICKNESS MIN. YIELD STRENGTH 35000 PSI)	LF	50
86	856.3	30" STEEL CASING PIPE (0.438" THICKNESS MIN. YIELD STRENGTH 35000 PSI)	LF	404
87	858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	6
88	860	VERTICAL STACK	VF	1,115
89	862	ABANDONMENT OF SANITARY SEWER MAINS 15"	LF	906
90	862	ABANDONMENT OF SANITARY MANHOLES	EA	7
91	862.1	ABANDONMENT OF SIPHON MANHOLES	EA	2
92	862.2	ABANDONMENT OF SIPHON SANITARY SEWER MAINS 15"	LF	225
93	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWER)- JACKSON KELLER	LS	1
94	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWER)- YOLANDA	LS	1
95	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- BABCOCK	LS	1
96	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- JACKSON KELLER	LS	1
97	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- MIDCROWN	LS	1
98	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- N.FLORES	LS	1
99	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- BERYL	LS	1
100	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- WILSON	LS	1
101	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- PIEDMONT	LS	1
102	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER)- YOLANDA	LS	1
103	866	EXISTING TELEVISION INSPECTION (PRE CCTV)	LF	11,387
104	866	SEWER MAIN TELEVISION INSPECTION (8" - 15") (POST CCTV)	LF	14,150
105	901	REHABILITATION OF SIPHON SANITARY SEWER BY CURED-IN-PLACE 10" PIPE (HOT WATER) ALL DEPTH	LF	102
106	910	SIPHON MANHOLES REHABILITATION	VF	20
107	910	MANHOLE REHABILITATION	VF	42
108	1109	SANITARY SEWER LATERAL STUB OUTS OR RECONNECTIONS	EA	150
109	100A.1	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION FOR OPEN-CUT CONSTRUCTION	EA	1
110	100A.2	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL FOR OPEN-CUT CONSTRUCTION	MD	20
111	100A.3	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING FUEL FOR OPEN-CUT CONSTRUCTION	MD	20
112	100A.4	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING WATCH FOR OPEN-CUT CONSTRUCTION	MD	20
113	SC	CPS ENERGY ALLOWANCE	ALW	1
114	100.1	MOBILIZATION (MAX 10% OF ITEMS 1 TO 112)	LS	1
115	101.1	PREPARATION OF RIGHT- OF-WAY (MAX 5% OF ITEMS 1 TO 112)	LS	1

REV. NO.	DATE	REVISION DESCRIPTION
1	10/21/21	ADDENDUM NO. 1



WESTON SOLUTIONS, INC.
 70 NE LOOP 410, SUITE 600
 SAN ANTONIO, TEXAS 78216-5842
 TEXAS REGISTERED ENGINEERING FIRM F-3123
 2019 SMALL CAPACITY CONSTRAINTS I

WESTON

OVERALL QUANTITIES TABLES

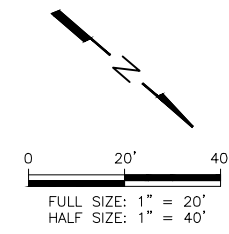
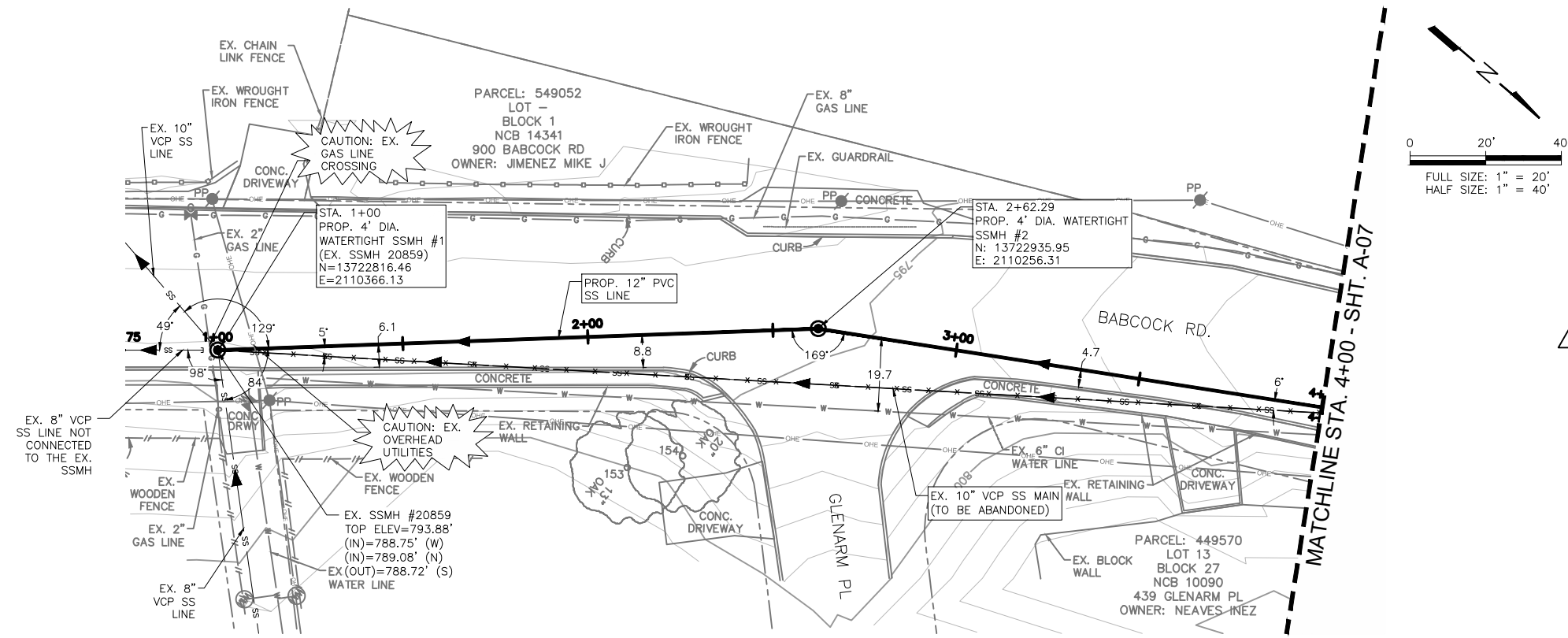
San Antonio Water System

SAWS

JOB NO. 19-4526

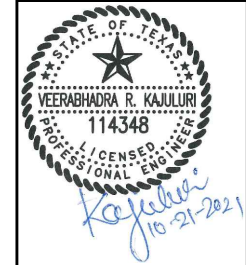
NOTES	INITIALS	DATE
DESIGNED BY	RK	08/21
REVIEWED BY	JB	08/21
SCALE:	AS SHOWN	
SHEET NO.	GEN-05	
	5 OF 202	

\\resstv1\STX_Data\Shared\SAMS\2019_Small_Capacity_Constraints\07.0_Design_Engineering\CAD\C:\Users\staudits\Desktop\SAMS\DESIGN PKA-A-06 A-07 BABCOCK PP.dwg Oct 21, 2021 - 4:03pm STAUDITS



QUANTITIES TABLE			
ITEM	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	256
848	12" (PVC SDR26 ASTM D3034) SANITARY SEWER LINE (0'-10')	LF	256
853	SANITARY SEWER DROP MANHOLE (FRP) (0'-6') 4' DIA.	EA	2
853	EXTRA DEPTH DROP MANHOLES (FRP) (>6' DEPTH) 4' DIA.	VF	3
858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	6
866	PRE SEWER TELEVISION INSPECTION (8"-15")	LF	256
866	POST SEWER TELEVISION INSPECTION (8"-15")	LF	256

- NOTES**
- BEFORE COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITY CROSSING ELEVATIONS AND LOCATIONS. ANY UTILITY DISCREPANCIES DISCOVERED SHALL BE REPORTED TO THE DESIGN ENGINEER.
 - WASTEWATER CROSSINGS SHALL ADHERE TO TITLE 30 OF THE TEXAS ADMINISTRATIVE CODE, CHAPTER 290, SUBCHAPTER D, RULE TAC 217.53(d). SEPARATION DISTANCE BETWEEN THE PROPOSED WATER MAIN AND THE EXISTING WASTEWATER LINES WILL BE A MINIMUM OF 9 FEET AT ALL LOCATIONS UNLESS OTHERWISE NOTED.
 - INLET PROTECTION SHALL BE INSTALLED AT ALL STORMWATER INLETS AND BE PROPERLY MAINTAINED DURING CONSTRUCTION.
 - DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS 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 AREA.
 - CONTRACTOR TO FIELD VERIFY GAS LINE LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITY.

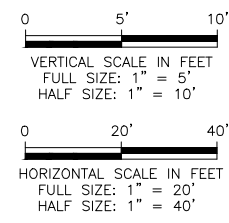
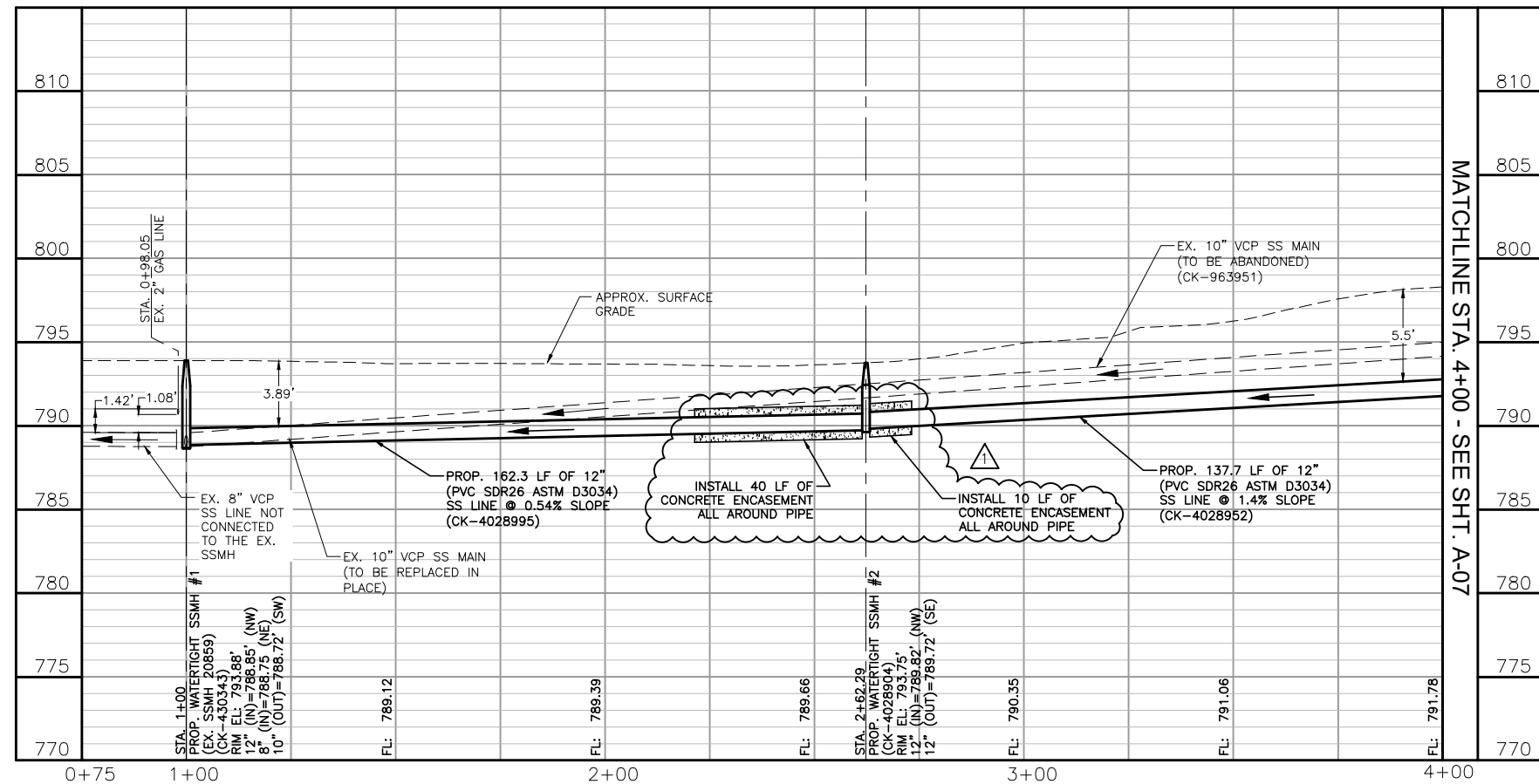


WESTON SOLUTIONS, INC.
70 NE LOOP 410, SUITE 600
SAN ANTONIO, TEXAS 78216-5842
TEXAS REGISTERED ENGINEERING FIRM F-3123
2019 SMALL CAPACITY CONSTRAINTS I

**BABCOCK ROAD SEWER LINE
PLAN AND PROFILE STA. 1+00 TO 4+00**

LEGEND

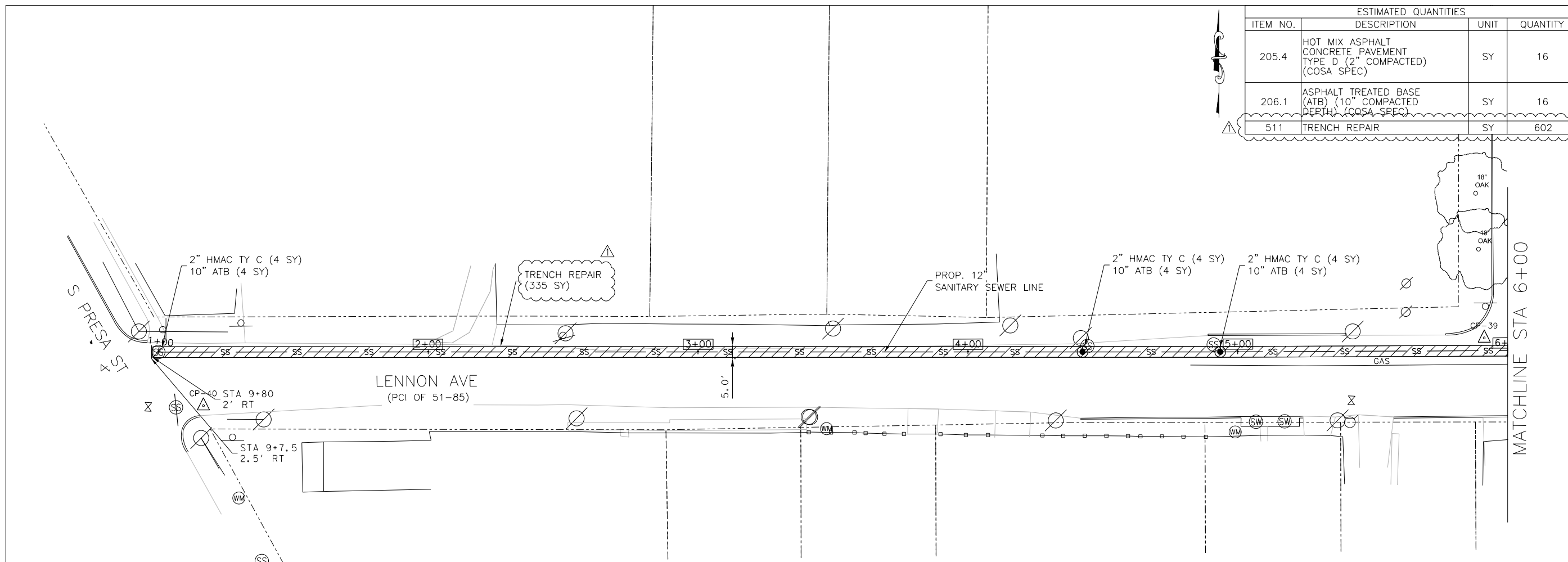
- PROPERTY LINE
- W EX. WATER LINE
- SS EX. SANITARY SEWER LINE
- SD EX. STORM DRAIN LINE
- G EX. GAS LINE
- OHE EX. OVERHEAD POWER LINE
- EX. UTILITY POLE AND GUY WIRE
- EX. WROUGHT IRON FENCE
- x EX. CHAIN LINK FENCE
- // EX. WOODEN FENCE
- EX. SS MANHOLE
- EX. WATER VALVE
- EX. WATER VALVE
- EX. FIRE HYDRANT
- EX. STORM DRAIN MANHOLE
- EX. POWER POLE
- EX. SIGN
- EX. TREE
- EX. GAS VALVE
- EX. GAS METER
- PROP. SANITARY SEWER LINE
- PROP. MANHOLE
- PROP. CASING PIPE
- x SS EX. SANITARY SEWER LINE TO BE ABANDONED



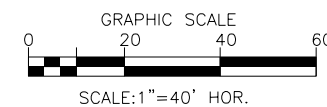
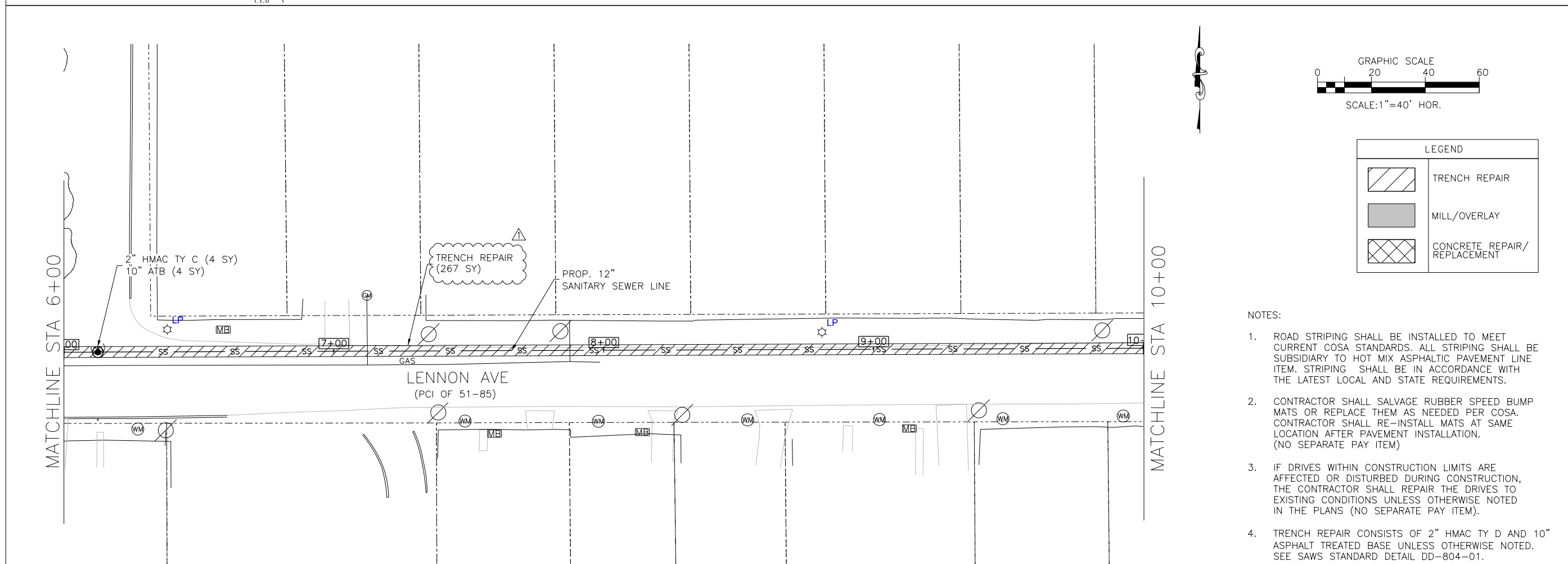
NOTES	INITIALS	DATE
DESIGNED BY	RK	08/21
REVIEWED BY	JB	08/21
SCALE:	AS SHOWN	

SHEET NO. **A-06**
12 OF 202

\\nosstx1\STX_Data\Shared\SAWS\2019 Small Capacity Constraints\07.0 Design Engineering\CAD\



ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
205.4	HOT MIX ASPHALT CONCRETE PAVEMENT TYPE D (2\"/>		

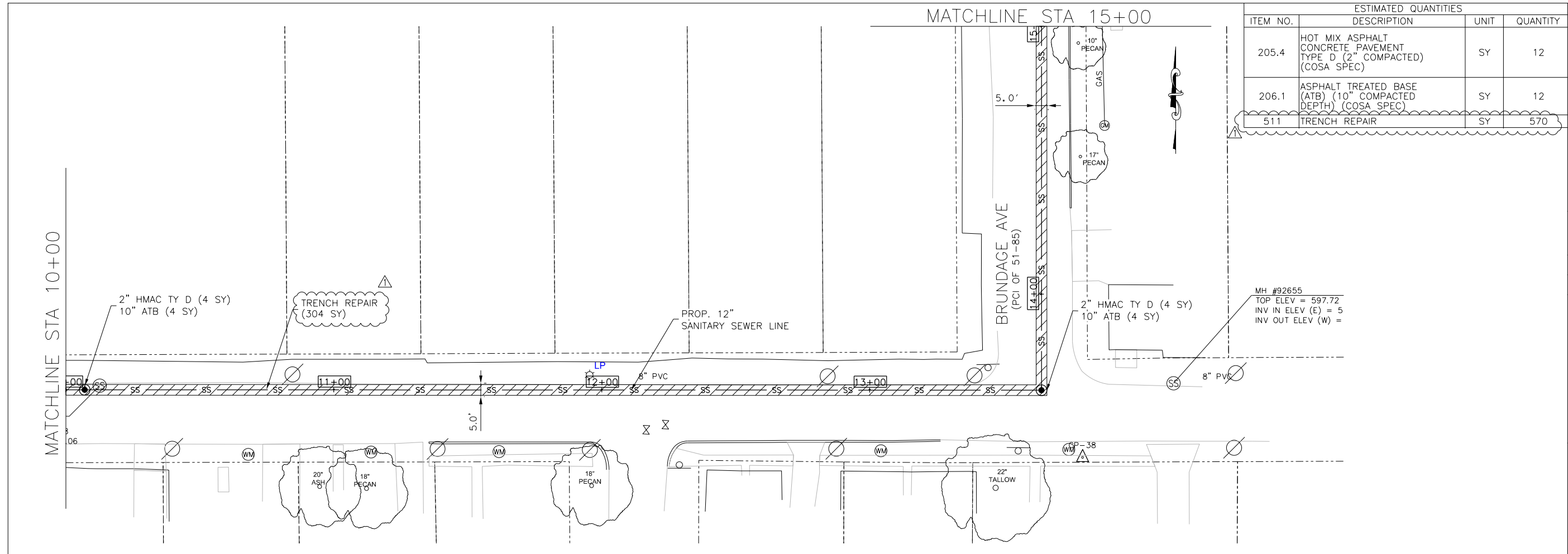


LEGEND	
	TRENCH REPAIR
	MILL/OVERLAY
	CONCRETE REPAIR/ REPLACEMENT

- NOTES:
- ROAD STRIPING SHALL BE INSTALLED TO MEET CURRENT COSA STANDARDS. ALL STRIPING SHALL BE SUBSIDIARY TO HOT MIX ASPHALTIC PAVEMENT LINE ITEM. STRIPING SHALL BE IN ACCORDANCE WITH THE LATEST LOCAL AND STATE REQUIREMENTS.
 - CONTRACTOR SHALL SALVAGE RUBBER SPEED BUMP MATS OR REPLACE THEM AS NEEDED PER COSA. CONTRACTOR SHALL RE-INSTALL MATS AT SAME LOCATION AFTER PAVEMENT INSTALLATION. (NO SEPARATE PAY ITEM)
 - IF DRIVES WITHIN CONSTRUCTION LIMITS ARE AFFECTED OR DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR THE DRIVES TO EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS (NO SEPARATE PAY ITEM).
 - TRENCH REPAIR CONSISTS OF 2\"/>

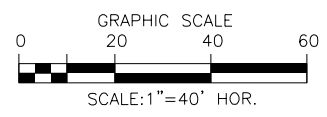
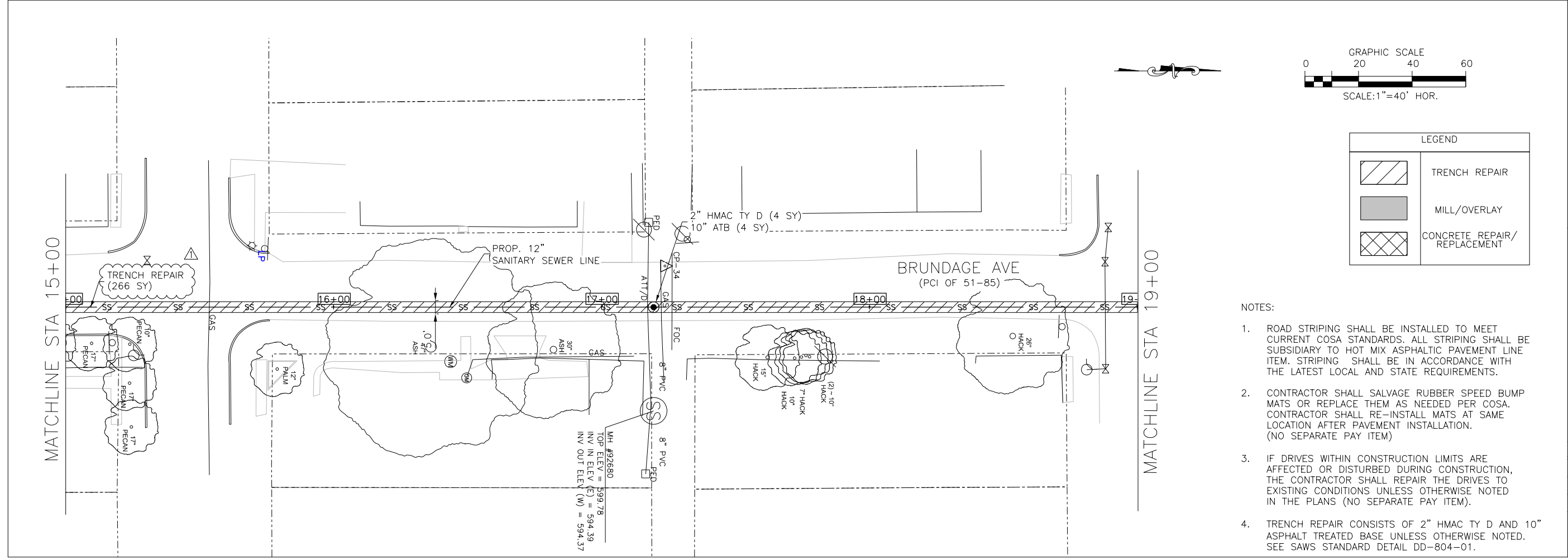
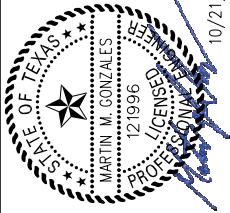
REV. NO.	1	CD	10/21/21	REVISION DESCRIPTION	QUANTITY REVISIONS
4800 FREDERICKSBURG RD SUITE 200SL SAN ANTONIO, TX 78229 P:210-208-9400 F:210-208-9401 TBPE #F-21809 TBPLS #10194622					
AG3 A G 3 Group, LLC ENGINEERING SURVEY CONSTRUCTION					
2019 SMALL CAPACITY CONSTRAINTS I PIEDMONT AND E. SOUTHCROSS PAVEMENT PLAN SHEET 1 OF 6					
NOTES	INITIALS	DATE			
DESIGNED BY	MG/CD	09/23			
REVIEWED BY	MG	09/23			
SCALE:	AS SHOWN				
SHEET NO.	G-10 115 OF 202				

\\nosstx1\STX_Data\Shared\SAWS\2019 Small Capacity Constraints\07.0 Design Engineering\CAD\



ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
205.4	HOT MIX ASPHALT CONCRETE PAVEMENT TYPE D (2" COMPACTED) (COSA SPEC)	SY	12
206.1	ASPHALT TREATED BASE (ATB) (10" COMPACTED DEPTH) (COSA SPEC)	SY	12
511	TRENCH REPAIR	SY	570

REV. NO.	BY	DATE	REVISION DESCRIPTION
1	CD	10/21/21	QUANTITY REVISIONS



LEGEND	
	TRENCH REPAIR
	MILL/OVERLAY
	CONCRETE REPAIR/REPLACEMENT

- NOTES:
- ROAD STRIPING SHALL BE INSTALLED TO MEET CURRENT COSA STANDARDS. ALL STRIPING SHALL BE SUBSIDIARY TO HOT MIX ASPHALTIC PAVEMENT LINE ITEM. STRIPING SHALL BE IN ACCORDANCE WITH THE LATEST LOCAL AND STATE REQUIREMENTS.
 - CONTRACTOR SHALL SALVAGE RUBBER SPEED BUMP MATS OR REPLACE THEM AS NEEDED PER COSA. CONTRACTOR SHALL RE-INSTALL MATS AT SAME LOCATION AFTER PAVEMENT INSTALLATION. (NO SEPARATE PAY ITEM)
 - IF DRIVES WITHIN CONSTRUCTION LIMITS ARE AFFECTED OR DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR THE DRIVES TO EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS (NO SEPARATE PAY ITEM).
 - TRENCH REPAIR CONSISTS OF 2" HMAC TY D AND 10" ASPHALT TREATED BASE UNLESS OTHERWISE NOTED. SEE SAWS STANDARD DETAIL DD-804-01.

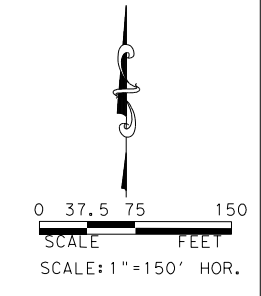
4800 FREDERICKSBURG RD SUITE 200SL
 SAN ANTONIO, TX 78229
 P:210-208-9400 F:210-208-9401
 TBPE #F-21809
 TBPLS #10194622



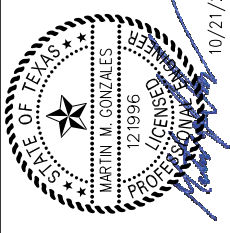
2019 SMALL CAPACITY CONSTRAINTS I
 PIEDMONT AND E. SOUTHCROSS
 PAVEMENT PLAN
 SHEET 2 OF 6



NOTES	INITIALS	DATE
DESIGNED BY	MG/CD	09/23
REVIEWED BY	MG	09/23
SCALE:	AS SHOWN	
SHEET NO.	G-11 116 OF 202	



REV. NO.	DATE	REVISION DESCRIPTION
1	M.G. 10/21/21	SHEET ADDED FOR ADDENDUM 1



4800 FREDERICKSBURG RD SUITE 200SL
 SAN ANTONIO, TX 78228
 P:210-208-9400 F:210-208-9401
 TBPE #F-21809
 TBPLS #10194622

AG3
 A G 3 Group, LLC
 ENGINEERING - SURVEY - CONSTRUCTION

2019 SMALL CAPACITY CONSTRAINTS I
 PIEDMONT AVE AND E. SOUTHCROSS
 TRAFFIC CONTROL PLAN
 PHASE I

San Antonio Water System

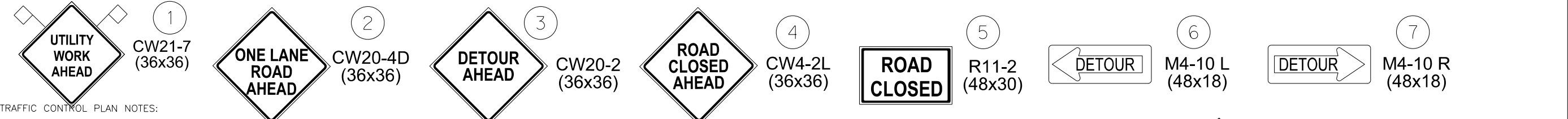
SAWS

JOB NO. 19-4526

NOTES	INITIALS	DATE
DESIGNED BY	DH/MG	08/04
REVIEWED BY	MG/MT	08/04

SCALE: AS SHOWN

SHEET NO. **G-43A**
 148A OF 202



- TRAFFIC CONTROL PLAN NOTES:
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST VERSION OF THE CITY OF SAN ANTONIO STANDARD DETAILS TRAFFIC CONTROL STANDARDS AND THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD), PART VI. FIELD MODIFICATIONS MAY BE MADE TO ADDRESS LOCAL CONDITIONS WITH THE APPROVAL OF THE ENGINEER.
 - WHEN TRAFFIC CONTROL PLAN IS NOT IN EFFECT, REMOVE ALL DEVICES FROM THE TRAVELED LANES AND COVER OR REMOVE ALL WARNING SIGNS.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION PROVIDING A RIDING SURFACE FOR VEHICLE AND RESIDENTS TO ACCESS EACH PROPERTY. NO SEPARATE PAYMENT SHALL BE MADE FOR MAINTAINING ACCESS TO DRIVEWAYS. ALL DRIVEWAY ACCESS COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS IN THE PROJECT.
 - CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, MAINTENANCE, AND REMOVAL OF TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHOULD BE INSPECTED DAILY AND REPAIRED OR REPLACED AS NECESSARY. AFTER REMOVAL, CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF MODIFICATIONS TO ROADWAY AND SIDEWALK SURFACES, ROADWAY MARKINGS, AND SIGNAGE DUE TO TRAFFIC CONTROL DEVICES OR CONSTRUCTION ACTIVITY.
 - POLICE OFFICER IS NOT ANTICIPATED PER TRAFFIC CONTROL PLAN, CONTRACTOR SHALL COORDINATE WITH COSA AND TXDOT IF REQUIRED AND/OR DEVIATING FROM PLANS.

- CONTRACTOR IS TO FOLLOW THE COSA REQUIREMENT FOR IMPACTED COLLECTOR OR ARTERIAL STREETS, WHICH REQUIRES THE CONTRACTOR TO PROVIDE A SEVEN (7) DAY NOTIFICATION BY ELECTRONIC MESSAGE BOARD BEFORE WORK IS TO OCCUR AND A THREE (3) DAY NOTIFICATION TO BE MADE BY DOOR HANGER TO IMPACTED RESIDENTS OR BUSINESSES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO TRANSITION ALL PROPOSED PAVEMENT ELEVATIONS TO EXISTING DRIVEWAYS AND INTERSECTIONS.
- ACCESS TO PROPERTIES AND BUSINESS ADJACENT TO THE RIGHT OF WAY MUST BE PROVIDED AND MAINTAINED AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL PERSONALLY CONTACT THE BUSINESS OR PROPERTY OWNER AT LEAST FIVE (5) DAYS IN ADVANCE OF ANY DRIVEWAY CLOSURE. IF THE PROPERTY HAS MORE THAN ONE DRIVEWAY THEY SHALL BE CLOSED ONLY ONE AT A TIME. IF THE PROPERTY ONLY HAS ONE ACCESS, THE DRIVEWAY SHALL BE BUILT IN HALF SECTIONS. IF CLOSURE OF A SINGLE ACCESS TO ANY BUSINESS IS REQUIRED FOR DRAINAGE OR UTILITY WORK, THIS ACTIVITY SHALL BE PERFORMED DURING OFF-PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
- THE CITY OF SAN ANTONIO PARKS AND RECREATION DEPARTMENT MUST BE GIVEN TWO WEEKS NOTICE PRIOR TO ANY TCP OR CONSTRUCTION ACTIVITIES.

- LEGEND:
- CONSTRUCTION AREA
 - LOW PROFILE CONCRETE BARRIER
 - TYPE III BARRICADE (8 FT.)
 - SIGN
 - CHANNELIZING DEVICES
 - DIRECTIONAL ARROW
 - FLAGGER

\\nosstx1\STX_Data\Shared\SAWS\2019_Small_Capacity_Constraints\07.0_Design_Engineering\CAD