



MULTIPLE SEWERSHED PACKAGE 10A - CIPP
Solicitation Number: CO-00283
SAWS Sewer Job No.: 19-4527

ADDENDUM 2
August 21, 2019

To Bidder of Record:

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

MODIFICATIONS TO SPECIFICATIONS

1. Delete the Bid Proposal in its entirety and replace with the attached Bid Proposal. This revised version should be used by bidders when submitting a bid for this project. The following items were updated:
 - a. Item No 29 (Spec No 852) – Updated quantity
 - b. Item No 30 (Spec No 852) – Updated quantity

MODIFICATIONS TO PLANS

1. Plan sheet 2 – Replace sheet dated 7/29/19 with attached sheet dated 8/20/19.
2. Plan sheet 30 – Replace sheet dated 7/29/19 with attached sheet dated 8/20/19.

CLARIFICATIONS

1. The engineer’s opinion of probable cost has been revised to \$1,622,231.

Michael Persyn, P.E.
K Friese + Associates, Inc. (TBPE F-6535)



END OF ADDENDUM 2

8/21/19

This Addendum, including this one (1) page, is six (6) pages with attachments in its entirety.

Attachments: Bid Proposal (BP-1 through BP-3)
Plan sheets 2, 30

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 to wit:

PLEASE SEE ATTACHED PDF 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 **240** 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.

MULTIPLE SEWERSHED PACKAGE 10A - CIPP

SAWS Job No. 19-4527

Solicitation No. CO-00283

Item No.	Spec No.	Bid Items Specification No. & Description	Unit	Qty.	Unit Price	Total Price
1	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	812	\$	\$
2	104	REMOVING CONCRETE DRIVEWAY (TxDOT SPEC)	SY	103	\$	\$
3	104	REMOVING CONCRETE SIDEWALKS & RIPRAP (TxDOT SPEC)	SY	186	\$	\$
4	104	REMOVING CONCRETE CURB (TxDOT SPEC)	LF	190	\$	\$
5	104	REMOVING CONCRETE PAVEMENT (10" THICK) (TxDOT SPEC)	SY	11	\$	\$
6	203	TACK COAT	GAL	50	\$	\$
7	205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" PAVEMENT THICKNESS) (COSA SPEC)	SY	498	\$	\$
8	205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" PAVEMENT THICKNESS) (COSA SPEC)	SY	42	\$	\$
9	208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	498	\$	\$
10	300	ONE COURSE SURFACE TREATMENT (TxDOT SPEC)	SY	629	\$	\$
11	305	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (4" DEPTH) (TxDOT SPEC)	SY	629	\$	\$
12	340	HOT MIX ASPHALTIC PAVEMENT - TYPE C (4" COMPACTED DEPTH) (TxDOT SPEC)	SY	629	\$	\$
13	340	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMPACTED DEPTH) (TxDOT SPEC)	SY	35	\$	\$
14	361	REPAIR OF CONCRETE PAVEMENT (FULL DEPTH) (10") (TxDOT SPEC)	SY	11	\$	\$
15	401	FLOWABLE FILL (TxDOT SPEC)	CY	96	\$	\$
16	SP502	BARRICADES, SIGNS, AND TRAFFIC HANDLING (TxDOT SPEC)	EA	17	\$	\$
17	SP502	EXTRA PORTABLE ELECTRONIC MESSAGE BOARD	MO	6	\$	\$
18	503	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	62	\$	\$
19	528	COLORED TEXTURED CONCRETE AND LANDSCAPE PAVERS (TxDOT SPEC)	SY	92	\$	\$
20	529	CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (TxDOT SPEC)	LF	190	\$	\$
21	530	PORTLAND CEMENT CONCRETE DRIVEWAY (TXDOT SPEC)	SY	55	\$	\$
22	531	SIDEWALKS (TxDOT SPEC)	SY	122	\$	\$
23	SP540	TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION PREVENTION AND CONTROL (COSA SPEC)	EA	17	\$	\$
24	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	423	\$	\$
25	662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE WHITE LINE) (TxDOT SPEC)	LF	100	\$	\$
26	662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE WHITE LINE) (TxDOT SPEC)	LF	20	\$	\$
27	662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE YELLOW LINE) (TxDOT SPEC)	LF	80	\$	\$
28	851	ADJUST EXISTING MANHOLES (NEW WATERTIGHT RING AND COVER)	EA	40	\$	\$
29	852	4' DIA. SANITARY SEWER MANHOLE	EA	9	\$	\$
30	852	EXTRA DEPTH MANHOLE (4' DIA.)	VF	18	\$	\$
31	855	RECONSTRUCTION OF EXISTING MANHOLES	EA	2	\$	\$
32	864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS)	EA	13	\$	\$
33	864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS)	EA	1	\$	\$
34	866	PRE SEWER MAIN TELEVISION INSPECTION (8"-24")	LF	6876	\$	\$

MULTIPLE SEWERSHED PACKAGE 10A - CIPP

SAWS Job No. 19-4527

Solicitation No. CO-00283

Item No.	Spec No.	Bid Items Specification No. & Description	Unit	Qty.	Unit Price	Total Price
35	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (8 IN)	LF	5184	\$	\$
36	SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (10 IN)	LF	1586	\$	\$
37	SP1103	POINT REPAIRS FOR 8" OR 10" DIAMETER (0'-6' DEPTH)	EA	9	\$	\$
38	SP1103	POINT REPAIRS FOR 8" OR 10" DIAMETER (6'-10' DEPTH)	EA	15	\$	\$
39	SP1103	POINT REPAIRS FOR 8" OR 10" DIAMETER (10'-14' DEPTH)	EA	2	\$	\$
40	SP1103	POINT REPAIRS FOR 8 IN OR 10 IN DIAMETER (6'-10' DEPTH) (HAND EXCAVATION)	EA	6	\$	\$
41	SP1103	EXTRA LENGTH POINT REPAIRS FOR 8" OR 10" DIAMETER (0'-6' DEPTH)	LF	26	\$	\$
42	SP1103	EXTRA LENGTH POINT REPAIRS FOR 8" OR 10" DIAMETER (6'-10' DEPTH)	LF	39	\$	\$
43	SP1103	EXTRA LENGTH POINT REPAIRS FOR 8" OR 10" DIAMETER (10'-14' DEPTH)	LF	1	\$	\$
44	SP1103	EXTRA LENGTH POINT REPAIRS FOR 8 IN OR 10 IN DIAMETER (6'-10' DEPTH) (HAND EXCAVATION)	LF	21	\$	\$
45	SP1103	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 8" to 15" DIAMETER, ALL DEPTHS	EA	33	\$	\$
46	SP1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	57	\$	\$
47	SP1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION)	EA	8	\$	\$
48	SS910	MANHOLE REHABILITATION (UP TO 5' DIAMETER)	VF	376.8	\$	\$
49	SS910.2	SEWER STRUCTURE REHABILITATION	SF	221	\$	\$
SUBTOTAL (ITEMS 1 - 49)					\$	\$

50	100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEMS 1-49	LS	1	\$	\$
51	101	PREPARING ROW, MAX 5% OF LINE ITEMS 1-49	LS	1	\$	\$

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.**

TOTAL BID PRICE					\$
(TO INCLUDE LINE ITEMS 1-49 AND 50-51)					

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SHEET INDEX	
1	COVER
2	INDEX AND QUANTITIES
3	GENERAL NOTES
4	STANDARD DETAILS AND TCP NOTES
5	PROJECT LAYOUT 1
6	PROJECT LAYOUT 2
7	PROJECT LAYOUT 3
8	PROJECT LAYOUT 4
9	PROJECT LAYOUT 5
10	CIPP - PROJECT LOCATION 1 (1 OF 2) - CALLAGHAN RD
11	CIPP - PROJECT LOCATION 1 (2 OF 2) - CALLAGHAN RD
12	BYPASS - PROJECT LOCATION 1 (1 OF 3) - CALLAGHAN RD
13	BYPASS - PROJECT LOCATION 1 (2 OF 3) - CALLAGHAN RD
14	BYPASS - PROJECT LOCATION 1 (3 OF 3) - CALLAGHAN RD
15	TCP - PROJECT LOCATION 1 (1 OF 2) - CALLAGHAN RD
16	TCP - PROJECT LOCATION 1 (2 OF 2) - CALLAGHAN RD
17	CIPP - PROJECT LOCATION 2 - BABCOCK RD
18	BYPASS - PROJECT LOCATION 2 - BABCOCK RD
19	TCP - PROJECT LOCATION 2 - BABCOCK RD
20	CIPP - PROJECT LOCATION 3 - IH 10W & ROSEDALE
21	TCP - PROJECT LOCATION 3 - IH 10W & ROSEDALE
22	CIPP - PROJECT LOCATION 4 - FRESNO
23	BYPASS - PROJECT LOCATION 4 - IH 10W & FRESNO
24	TCP - PROJECT LOCATION 4 - IH 10W & FRESNO
25	CIPP - PROJECT LOCATION 5 - CARELIN DR
26	CIPP - PROJECT LOCATION 6 - IH 10W & WALSH
27	BYPASS - PROJECT LOCATION 6 - IH 10W & WALSH
28	TCP - PROJECT LOCATION 6 - IH 10W & WALSH
29	CIPP - PROJECT LOCATION 7 (1 OF 2) - CAMARON ST
30	CIPP - PROJECT LOCATION 7 (2 OF 2) - CAMARON ST
31	BYPASS - PROJECT LOCATION 7 (1 OF 2) - CAMARON ST
32	BYPASS - PROJECT LOCATION 7 (2 OF 2) - CAMARON ST
33	TCP PHASE 1 - PROJECT LOCATION 7 - CAMARON ST
34	TCP PHASE 2 (1 OF 2) - PROJECT LOCATION 7 - CAMARON ST
35	TCP PHASE 2 (2 OF 2) - PROJECT LOCATION 7 - CAMARON ST
36	CIPP - PROJECT LOCATION 8 (1 OF 2) - 6TH STREET
37	CIPP - PROJECT LOCATION 8 (2 OF 2) - BURNET STREET
38	BYPASS - PROJECT LOCATION 8 - 6TH STREET
39	TCP - PROJECT LOCATION 8 - 6TH STREET
40	CIPP - PROJECT LOCATION 9 - SHIPMAN
41	CIPP - PROJECT LOCATION 9 - SHIPMAN
42	BYPASS - PROJECT LOCATION 9 - IH 35N & SHIPMAN
43	TCP - PROJECT LOCATION 9 - IH 35N & SHIPMAN
44	DETOUR - PROJECT LOCATION 9 - IH 35N & SHIPMAN
45	CIPP - PROJECT LOCATION 10 - STEVES AVE
46	CIPP - PROJECT LOCATION 11 (1 OF 2) - IH 37 S
47	CIPP - PROJECT LOCATION 11 (2 OF 2) - S GEVERS ST
48	TCP - PROJECT LOCATION 11 (1 OF 2) - IH 37 S & S GEVERS ST
49	TCP - PROJECT LOCATION 11 (2 OF 2) - IH 37 S & S GEVERS ST
50	CIPP - PROJECT LOCATION 12 (1 OF 2) - CLARK AVE
51	CIPP - PROJECT LOCATION 12 (2 OF 2) - CLARK AVE
52	CIPP - PROJECT LOCATION 13 - SW MILITARY DR
53	TCP - PROJECT LOCATION 13 (1 OF 2) - SW MILITARY DR
54	TCP - PROJECT LOCATION 13 (2 OF 2) - SW MILITARY DR
55	CIPP - PROJECT LOCATION 14 - PRADO ST
56	BYPASS - PROJECT LOCATION 14 - PRADO ST
57	TCP - PROJECT LOCATION 14 - PRADO ST
58	CIPP - PROJECT LOCATION 15 - HAWTHORNE STREET
59	BYPASS - PROJECT LOCATION 15 - HAWTHORNE STREET
60	TCP - PROJECT LOCATION 15 - HAWTHORNE STREET
61	DETOUR - PROJECT LOCATION 15 - HAWTHORNE STREET
62	CIPP - PROJECT LOCATION 16 - S ZARZAMORA ST
63	BYPASS - PROJECT LOCATION 16 - S ZARZAMORA ST
64	TCP - PROJECT LOCATION 16 - S ZARZAMORA ST
65	CIPP - PROJECT LOCATION 17 (1 OF 2) - BRADY BLVD
66	CIPP - PROJECT LOCATION 17 (2 OF 2) - BRADY BLVD
67	TCP - PROJECT LOCATION 17 (1 OF 2) - US 90W & BRADY BLVD
68	TCP - PROJECT LOCATION 17 (2 OF 2) - US 90W & BRADY BLVD
69	TREE PROTECTION DETAILS
70	STORM WATER POLLUTION PREVENTION PLAN (SWP3) NARRATIVE
71	EROSION CONTROL 1
72	EROSION CONTROL 2
73	BC(1)-14 (1 OF 12)
74	BC(2)-14 (2 OF 12)
75	BC(3)-14 (3 OF 12)
76	BC(4)-14 (4 OF 12)
77	BC(5)-14 (5 OF 12)
78	BC(6)-14 (6 OF 12)
79	BC(7)-14 (7 OF 12)
80	BC(8)-14 (8 OF 12)
81	BC(9)-14 (9 OF 12)
82	BC(10)-14 (10 OF 12)
83	BC(11)-14 (11 OF 12)
84	BC(12)-14 (12 OF 12)

TOTAL ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
100	MOBILIZATION (MAXIMUM OF 10% OF THE TOTAL OF BID ITEMS)	LS	1
101	PREPARING RIGHT-OF-WAY (MAXIMUM OF 5% OF THE TOTAL OF BID ITEMS)	LS	1
103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	812
104	REMOVING CONCRETE SIDEWALKS & RIPRAP (TXDOT SPEC)	SY	186
104	REMOVING CONCRETE DRIVEWAY (TXDOT SPEC)	SY	103
104	REMOVING CONCRETE CURB (TXDOT SPEC)	LF	190
104	REMOVING CONCRETE PAVEMENT (10" THICK)	SY	11
203	TACK COAT	GAL	50
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" PAVEMENT THICKNESS) (COSA SPEC)	SY	498
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" PAVEMENT THICKNESS) (COSA SPEC)	SY	42
208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	498
300	ONE COURSE SURFACE TREATMENT (TXDOT SPEC)	SY	629
305	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (4" DEPTH) (TXDOT SPEC)	SY	629
340	HOT MIX ASPHALTIC PAVEMENT - TYPE C (4" COMPACTED DEPTH) (TXDOT SPEC)	SY	629
340	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMPACTED DEPTH) (TXDOT SPEC)	SY	35
361	REPAIR OF CONCRETE PAVEMENT (FULL DEPTH) (10") (TXDOT SPEC)	SY	11
401	FLOWABLE FILL (TXDOT SPEC)	CY	158
SP502	BARRICADES, SIGNS, AND TRAFFIC HANDLING (TXDOT SPEC)	EA	17
530	PORTLAND CEMENT CONCRETE DRIVEWAY (TXDOT SPEC)	SY	55
503	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	62
528	COLORLED TEXTURED CONCRETE AND LANDSCAPE PAVERS (TXDOT SPEC)	SY	92
529	CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (TXDOT SPEC)	LF	190
SP502	EXTRA PORTABLE ELECTRONIC MESSAGE BOARD	MO	6
531	SIDEWALKS (TXDOT SPEC)	SY	122
SP540	TEMPORARY EROSION, SEDIMENT, AND WATER POLLUTION PREVENTION AND CONTROL (COSA SPEC)	EA	17
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	423
662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE WHITE LINE) (TXDOT SPEC)	LF	100
662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE WHITE LINE) (TXDOT SPEC)	LF	20
662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE YELLOW LINE) (TXDOT SPEC)	LF	80
851	ADJUST EXISTING MANHOLES (NEW WATER TIGHT RING AND COVER)	EA	40
852	4" DIA. SANITARY SEWER MANHOLE	EA	9
852	EXTRA DEPTH MANHOLE (4" DIA.)	VF	18
855	RECONSTRUCTION OF EXISTING MANHOLES	EA	2
864-S1	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS)	EA	13
864-S2	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS)	EA	1
866	PRE SEWER MAIN TELEVISION INSPECTION (8"-24")	LF	6876
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (8 IN)	LF	5185
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (10 IN)	LF	1586
SP1103	POINT REPAIRS FOR 8" OR 10" DIAMETER (0'-6" DEPTH)	EA	9
SP1103	POINT REPAIRS FOR 8" OR 10" DIAMETER (6'-10' DEPTH)	EA	15
SP1103	POINT REPAIRS FOR 8" OR 10" DIAMETER (10'-14' DEPTH)	EA	2
SP1103	POINT REPAIRS FOR 8 IN OR 10 IN DIAMETER (6'-10" DEPTH) (HAND EXCAVATION)	EA	6
SP1103	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 8" TO 15" DIAMETER, ALL DEPTHS	EA	33
SP1109	EXTRA LENGTH POINT REPAIRS FOR 8" OR 10" DIAMETER (0'-6" DEPTH)	LF	26
SP1103	EXTRA LENGTH POINT REPAIRS FOR 8" OR 10" DIAMETER (6'-10' DEPTH)	LF	39
SP1103	EXTRA LENGTH POINT REPAIRS FOR 8" OR 10" DIAMETER (10'-14' DEPTH)	LF	1
SP1103	EXTRA LENGTH POINT REPAIRS FOR 8 IN OR 10 IN DIAMETER (6'-10" DEPTH) (HAND EXCAVATION)	LF	21
SP1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	57
SP1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION)	EA	8
SS910	MANHOLE REHABILITATION (UP TO 5' DIAMETER)	VF	376.8
SS910.2	SEWER STRUCTURE REHABILITATION	SF	221

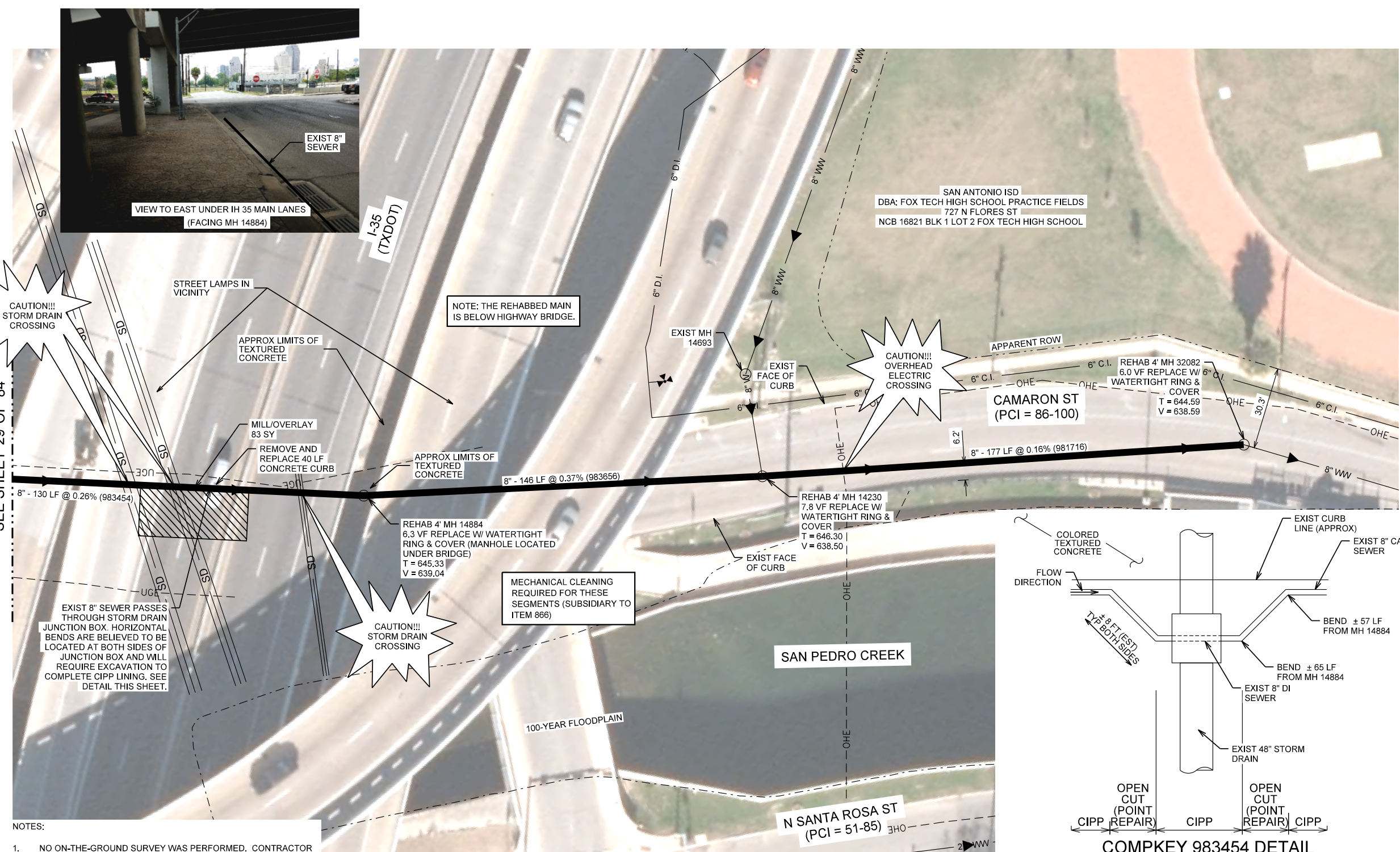
SP = SPECIAL PROVISION TO STANDARD SPECIFICATION. REFER TO CONTRACT DOCUMENTS FOR DETAILS.
 SS = SPECIAL SPECIFICATION. REFER TO CONTRACT DOCUMENTS FOR DETAILS.



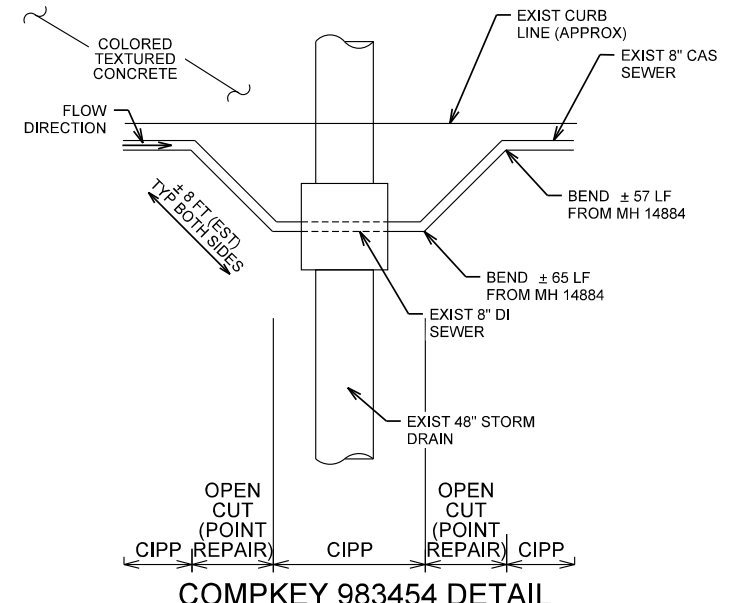
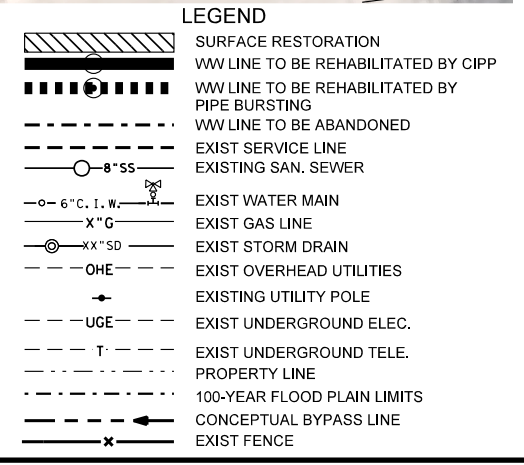
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ADDENDUM 2	JSG	MRP	8/20/19	
No.	Revision	Drawn	Approved	Date
REVISIONS				
		MULTIPLE SEWERSHED PACKAGE 10A - CIPP		
		INDEX AND QUANTITIES		
DEVELOPER: _____				
CONT. _____		BUDGET PROJ. _____		
SUBMITTED _____				
APPROVED _____				
MAP No. _____		SHEET 2		
SECT. No. _____		DR. _____ CK. _____ JOB No. 19-4527 OF 84		

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- NOTES:
- NO ON-THE-GROUND SURVEY WAS PERFORMED. CONTRACTOR TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, AND GRADES BEFORE BEGINNING CONSTRUCTION AND NOTIFY ENGINEER OF ANY INCONSISTENCIES.
 - UTILITY LINE INFORMATION SHOWN IS BASED ON UTILITY BLOCK MAPS AND AVAILABLE AS-BUILT DRAWINGS. NOT ALL UTILITIES MAY BE SHOWN. CONTRACTOR TO FIELD LOCATE. USE CAUTION IN AREAS OF EXCAVATION.
 - CONTRACTOR SHALL PROTECT ALL EXISTING TREES WITHIN THE PROJECT LIMITS. NO TREE REMOVAL IS PERMITTED.
 - CONTRACTOR TO SCHEDULE WORK TO TAKE PLACE DURING SPRING BREAK, SUMMER BREAK, OR WINTER BREAK TO AVOID TRAFFIC OR SIDEWALK IMPACTS WHILE SCHOOL IS IN SESSION. COORDINATE WITH SCHOOL FOR EXACT START / END DATES. ROAD AND SIDEWALK SHALL BE OPEN WHILE SCHOOL IS IN SESSION. REFER TO SPECIAL CONDITIONS FOR ADDITIONAL INFORMATION.



- DETAIL NOTES:**
- CCTV IS INCOMPLETE FOR COMPKEY 983454 DUE TO OBSTRUCTIONS (ENCRUSTATION AND BENDS). CONTRACTOR TO VERIFY PRESENCE AND LOCATION OF BENDS AS PART OF CLEANING ACTIVITIES AND NOTIFY ENGINEER AND SAWS INSPECTOR PRIOR TO POINT REPAIR.
 - IF BENDS APPROVED BY SAWS AND ENGINEER, CONTRACTOR SHALL EXCAVATE LOCATIONS OF BENDS AND PIPING BETWEEN BENDS SHALL BE RESTORED BY POINT REPAIR PER DETAIL (PER SHEET).
 - IF AUTHORIZED BY SAWS, INSTALL MANHOLES AT LOCATION OF BENDS.
 - BACKFILL EXCAVATIONS WITH FLOWABLE FILL.

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
104	REMOVING CONCRETE SIDEWALKS & RIPRAP (TXDOT SPEC)	SY	22
104	REMOVING CONCRETE CURB (TXDOT SPEC)	LF	40
300	ONE COURSE SURFACE TREATMENT (TXDOT SPEC)	SY	83.0
305	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (4" DEPTH) (TXDOT SPEC)	SY	83.0
340	HOT MIX ASPHALTIC PAVEMENT - TYPE C (4" COMPACTED DEPTH) (TXDOT SPEC)	SY	83.0
340	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMPACTED DEPTH) (TXDOT SPEC)	SY	10.2
401	FLOWABLE FILL (TXDOT SPEC)	CY	63.0
528	COLORLED TEXTURED CONCRETE AND LANDSCAPE PAVERS (TXDOT SPEC)	SY	22
529	CONCRETE CURB, GUTTER, AND COMBINED CURB AND CUTTER (TXDOT SPEC)	LF	40
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	18
662	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (4" WIDE WHITE LINE) (TXDOT SPEC)	LF	40
851	ADJUST EXISTING MANHOLES (NEW WATERTIGHT RING AND COVER)	EA	3
852	4' DIA. SANITARY SEWER MANHOLE	EA	4
852	EXTRA DEPTH MANHOLE (4' DIA.)	VF	4
866	PRE SEWER MAIN TELEVISION INSPECTION (8"-24")	LF	453
SP901.1	INSTALL CIPP SANITARY SEWER PIPE (HOT WATER) (8 IN)	LF	453
SP1103	POINT REPAIRS FOR 8" OR 10" DIAMETER (0'-6" DEPTH)	EA	2
SP1103	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 8" TO 15" DIAMETER, ALL DEPTHS	EA	2
SS910	MANHOLE REHABILITATION (UP TO 5' DIAMETER)	VF	20.1

North Arrow

0 20' 40'
HORIZONTAL SCALE

K. FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING

10001 Reunton Place
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TBPE Firm #6535 www.kfriese.com

MICHAEL PERSYN
96583
LICENSED PROFESSIONAL ENGINEER
8/20/2019

No.	Revision	Drawn	Approved	Date
ADDENDUM 2	JSG	MRP		8/20/19

REVISIONS

MULTIPLE SEWERSHED PACKAGE 10A - CIPP

CIPP PROJECT LOCATION 7 (2 OF 2) CAMARON ST

DEVELOPER: _____

CONT. _____ BUDGET PROJ. _____

SUBMITTED _____

APPROVED _____

MAP No. _____ SHEET 30

SECT. No. _____

DR. _____ CK. _____ JOB No. 19-4527 OF 84

REF. PROJECT LAYOUT 3