



BPC Central Small Diameter Package 4C
Solicitation Number: CO-00487
Job No.: 20-4523

ADDENDUM 1
November 3, 2021

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the specifications, bid proposal and plans 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. When is the anticipated Award Date?**
Response: Anticipated Award Date is the SAWS December Board date of December 7, 2021.
- 2. When is the anticipated Notice to Proceed Date?**
Response: Anticipated Notice to Proceed date is the week of January 6, 2022.
- 3. Can SAWS provide any flow information for the proposed by-passes?**
Response: Yes, flow information is provided for assets 12-inches or greater. Contractor should refer to Special Provisions to Technical Specifications, Special Provisions to Bypass Pumping (Small Diameter Sanitary Sewers), SPTS-5, page 146 of 264.
- 4. Is \$2,284,410.00 the correct cost estimate? This seems very low.**
Response: Cost estimate has been revised to include addendum items. See Clarifications section of this Addendum 1.
- 5. Please clarify on plan sheet 45 if this proposed work is on private property or SAWS property?**
Response: Proposed work to be performed on private property within existing 16' Utility Easement (Volume 4700, Page 184 D.P.R.B.C.T).
- 6. On sheet 45 is there any requirements for the temporary fencing? If yes, will the appropriate bid item be added?**
Response: Sites 207, 310-3, and 324 now include a line item for temporary fencing; see SP-2010 included within this Addendum 1. The bid item has been added to the bid proposal as Item No. 72, Spec No. SP-2010 "Removal and Replacement of Fencing"; see Changes To The Specifications section of this Addendum 1. Additionally, Contractor should reference the General Conditions of the contract, 4.9 Protection of Private Property on GC-19, page 63 of 264; and G-006 of the plans, General Construction notes #12.
- 7. Contractual Days- please take into consideration adding 180 calendar days to this project to allow it to be constructable. Currently there are 11 different sites, 5 of which are in Alleys with restricted access forcing production to be minimalized. The real constraint on scheduling is COSA ROW requires 30 days' notice for each permit application to be processed without exception. As well, once construction has been completed, TCEQ reg's mandate 30-day post completion to qualify for the deflection test. Lastly, SC- 2-3 state CPS requires 90 days' notice for their work to be scheduled, as well as a detailed breakdown with days for each site. There will be some overlap in these lead times, however they are real items that need to be quantified when calculating total days on the project. For these reasons, I do not believe the project can be constructed successfully in the allotted time frame. Requesting the project be built in this time frame will only increase the cost to owner by factoring in either additional crews and mobilizations or LD's and ROW permit extended fees, etc...**

Response: Contractual Days has been revised to 392 total calendar days. Per Special Conditions, SC-1.2 Performance Time, 1.B, "The Contractor may have up to two (2) "Work Sites" under construction concurrently as long as detour routes do not overlap". The calculated contractual days assumes that two (2) work sites are being worked on concurrently. The overlap in construction lead times and TCEQ's regulation mandate for 30-day post completion period to qualify for the deflection test has warranted the increase in contractual calendar days. Please see the Changes To The Specifications section of Addendum 1 for more details.

CHANGES TO THE SPECIFICATIONS

1. Table of Contents

- a. ADD "Item SP-2010 – Removal and Replacement of Fencing.....SP 2010" to the Table of Contents under Special Specifications.

2. Bid Proposal

REMOVE the Bid Proposal in its entirety and REPLACE with the attached version. Bidders shall use the revised Bid Proposal attached to this Addendum. Failure to do so may result in the bid being found non-responsive. The following items were updated:

- a. "**225**" calendar days revised to "**392**".
- b. REMOVE Item No. 11, Spec No. 507.1 "Chain Link Wire Fence (4' High) (COSA Spec)"; REMOVE Item No. 12, Spec No. 507.2 "Chain Link Wire Fence (6' High) (COSA Spec)"; REMOVE Item No. 13, Spec No. 507.6 "Wooden Fence (6' High) (COSA Spec)"; and REPLACE with Item No. 72, Spec No. SP 2010 "Removal and Replacement of Fencing", Qty "750 LF".
- c. ADD Item No. 31, Spec No. 540 "Stormwater Pollution Prevention Plan", Qty "1", Unit "LS".
- d. REMOVE Item No. 66, Spec No. 901.3 "Point Repair, All Sizes (0'-10')(All Depths)", and REPLACE with Item No. 66, Spec No. 1103 "Point Repair, All Sizes (0'-10')(All Depths)".
- e. All Item No.'s revised accordingly.

3. Proposal Certification

REMOVE the Proposal Certification in its entirety and REPLACE with the attached version. Bidders shall use the revised Bid Proposal attached to this Addendum. Failure to do so may result in the bid being found non-responsive. The following items were updated:

- a. REMOVE "Work shall be completed in full within **225** consecutive calendar days." and REPLACE with "Work shall be completed in full within **392** consecutive calendar days."

4. Supplemental Conditions

REMOVE the Supplemental Conditions in its entirety and REPLACE with the attached version. The following items were updated:

- a. Instructions to Bidders section updated.
- b. In Article I – Contract Definitions section, DELETE "Project Group" definition.
- c. In Article V – Contract Responsibilities section, DELETE "Section 5.13.5, shall be amended...may result in the bidder being considered non-responsive."
- d. In Article VIII. – Contract Completion Time, REMOVE the Liquidated Damages Charges table and "Any days tallied after 42 days will be assessed as a Tier 6 rate."; and REPLACE with "\$635 per Calendar Day."

5. Special Conditions

- a. SC-1.2 Performance Time, section 1.A Project Milestones, "**225**" calendar days revised to "**392**" calendar days.
- b. REMOVE the total project calendar days table in SC-1.2 Performance Time, section 1. Project Milestones, and REPLACE with the following:

WORK SITES					
CIPP	PIPE BURST	OPEN CUT	SUBSTANTIAL COMPLETION DAYS	FINAL COMPLETION DAYS	TOTAL DAYS
133	207	304.1, 304.2, 304.3, 304.4, 310.2, 310.3, 311, 316, 321, 324	362	30	392
TOTAL PROJECT CALENDAR DAYS					392

- c. SC-1.2 Performance Time, section 1.B revised to: “The Contractor may have up to two (2) “Work Sites” under construction concurrently as long as the detour routes do not overlap. The contractor must request and receive written approval to work in additional work sites from SAWS up to 10 days prior to the anticipated mobilization on site.”
- d. SC-1.2 Performance Time, section 1.I Project Milestones, the following durations were updated:
 - i. b. Site 207 days (substantial completion) revised to “51”.
 - ii. c. Site 304.1 days (substantial completion) revised to “58”.
 - iii. d. Site 304.2 days (substantial completion) revised to “51”.
 - iv. e. Site 304.3 days (substantial completion) revised to “58”.
 - v. f. Site 304.4 days (substantial completion) revised to “58”.
 - vi. g. Site 310.2 days (substantial completion) revised to “51”.
 - vii. h. Site 310.3 days (substantial completion) revised to “37”.
 - viii. i. Site 311 days (substantial completion) revised to “72”.
 - ix. j. Site 316 days (substantial completion) revised to “72”.
 - x. k. Site 321 days (substantial completion) revised to “72”.
 - xi. l. Site 324 days (substantial completion) revised to “58”.

6. List of Governing Specifications

- a. ADD “SP2010 Removal and Replacement of Fencing” to LGS-2, Special Specifications.

7. Special Specifications

- a. ADD the attached version of “Item SP 2010 Removal and Replacement of Fencing” to the Special Specifications.
- b. Revise “Item SS 1000” to “Item SP 1000”.
- c. Revise “Item SS 4000” to “Item SP 4000”.

CHANGES TO THE PLANS

1. Sheet G-003

REMOVE Sheet G-003 in its entirety and REPLACE with the attached version. The following items were updated:

- a. REMOVE Item No. 11, Spec No. 507.1 “Chain Link Wire Fence (4’ High) (COSA Spec)” ; REMOVE Item No. 12, Spec No. 507.2 “Chain Link Wire Fence (6’ High) (COSA Spec)” ; REMOVE Item No. 13, Spec No. 507.6 “Wooden Fence (6’ High) (COSA Spec)” ; and REPLACE with Item No. 72, Spec No. SP 2010 “Removal and Replacement of Fencing”, Qty “750 LF”
- b. ADD Item No. 31, Spec No. 540 “Stormwater Pollution Prevention Plan”, Qty “1”, Unit “LS”.
- c. REMOVE Item No. 66, Spec No. 901.3 “Point Repair, All Sizes (0’-10’)(All Depths)”, and REPLACE with Item No. 66, Spec No. 1103 “Point Repair, All Sizes (0’-10’)(All Depths)”.
- d. All Item No.’s revised accordingly.

2. Sheet C-133

REMOVE Sheet C-133 in its entirety and REPLACE with the attached version. The following items were updated:

- a. In the sheet’s quantity table, REMOVE Item 901.3 “Point Repair, All Sizes (0’-10’)(All Depths)”, and REPLACE with Item No. 1103 “Point Repair, All Sizes (0’-10’)(All Depths)”.

3. Sheet C-207

REMOVE Sheet C-207 in its entirety and REPLACE with the attached version. The following items were updated:

- a. In the sheet's quantity table, REMOVE Item Nos. 507.1 "Chain Link Wire Fence (4' High) (COSA Spec)" and 507.6 "Wooden Fence (6' High) (COSA Spec)", and REPLACE with Item No. SS-2010 "Removal and Replacement of Fencing", Qty "320 LF".

4. Sheet C-310.3

REMOVE Sheet C-310.3 in its entirety and REPLACE with the attached version. The following items were updated:

- a. In the sheet's quantity table, REMOVE Item No. 507.2 "Chain Link Wire Fence (6' High) (COSA Spec)", and REPLACE with Item No. SS-2010 "Removal and Replacement of Fencing", Qty "25 LF".

5. Sheet C-316.C

REMOVE Sheet C-316.C in its entirety and REPLACE with the attached version. The following items were updated:

- a. In the sheet's quantity table, revise Item "857" to Item "856.6".

6. Sheet C-324

REMOVE Sheet C-324 in its entirety and REPLACE with the attached version. The following items were updated:

- a. In the sheet's quantity table, REMOVE Item Nos. 507.2 "Chain Link Wire Fence (6' High) (COSA Spec)" and 507.6 "Wooden Fence (6' High) (COSA Spec)", and REPLACE with Item No. SS-2010 "Removal and Replacement of Fencing", Qty "280 LF".

CLARIFICATIONS

- 1. The estimated cost for this project is **\$2,304,765**, which is now reflected on the SAWS website at the following link: https://apps.saws.org/Business_Center/Contractsol/Drill.cfm?id=4035&View=Yes

END OF ADDENDUM

This Addendum, including these four (4) pages, is nineteen (19) pages with attachments in its entirety.

Attachments:

Bid Proposal (4 pages)

Proposal Certification (1 page)

Supplemental Conditions (3 pages)

Special Specification Item SP 2010 (1 page)

Revised Sheets: G-003, C-133, C-207, C-310.3, C-316.C, C-324



11/3/2021

Alan D. Swartz, PE
Plummer (TBPE No. F-13)

Project Name: BPC Central Small Diameter Package 4C
Solicitation No.: CO-00487
Job No(s): 20-4523

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 No(s)**. _____

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 **392** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Bid Proposal which are included on the following pages.

Statement on President's Executive Orders

Has your firm previously performed work subject to the President's Executive Orders Numbers 11246 and 11375 or any preceding similar executive orders (Numbers 10925 and 11114)? Yes No

Texas Government Code Chapter 2274 Verifications

- (1) Are you, Contractor, held or controlled by individuals who are citizens of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (2) Are you, Contractor, held or controlled by a company or other entity, including a governmental entity, that is owned or controlled by citizens of or directly controlled by the government of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (3) Are you, Contractor, headquartered in China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No

ITEM NO.	SPEC NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE
1	103.1	REMOVE CONCRETE CURB (COSA SPEC)	230	LF	\$	\$
2	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	1100	SF	\$	\$
3	203	TACK COAT (COSA SPEC)	675	GAL	\$	\$
4	205.4	HOT MIX ASPHALTIC CONCRETE PAVEMENT, TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	6750	SY	\$	\$
5	206.1	ASPHALT TREATED BASE (ATB) (10" COMPACTED DEPTH) (COSA SPEC)	1750	SY	\$	\$
6	208.2	SALVAGING HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT(2" DEPTH) (COSA SPEC)	6750	CY	\$	\$
7	413.1	FLOWABLE FILL (LOW STRENGTH) (COSA SPEC)	30	CY	\$	\$
8	500.1	CONCRETE CURB (COSA SPEC)	230	LF	\$	\$
9	502.1	CONCRETE SIDEWALKS (COSA SPEC)	129	SY	\$	\$
10	503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS (COSA SPEC)	54	SY	\$	\$
11	515.1	TOPSOIL (COSA SPEC)	40	CY	\$	\$
12	516.1	BERMUDA SODDING (COSA SPEC)	223	SY	\$	\$
13	520.1	HYDROMULCHING	170	SY	\$	\$
14	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 133	1	LS	\$	\$
15	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 207	1	LS	\$	\$
16	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 304.1	1	LS	\$	\$
17	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 304.2	1	LS	\$	\$
18	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 304.3	1	LS	\$	\$
19	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 304.4	1	LS	\$	\$
20	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - 310.2 & 310.3	1	LS	\$	\$
21	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 311	1	LS	\$	\$
22	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 316	1	LS	\$	\$
23	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 321	1	LS	\$	\$
24	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 324	1	LS	\$	\$
25	535.1	4 INCH WIDE YELLOW LINE(W/REFLECTORS) (COSA SPEC)	410	LF	\$	\$
26	535.2	4 INCH WIDE WHITE LINE(W/REFLECTORS) (COSA SPEC)	425	LF	\$	\$
27	535.3	8 INCH WIDE YELLOW LINE (COSA SPEC)	100	LF	\$	\$
28	535.4	8 INCH WIDE WHITE LINE (COSA SPEC)	85	LF	\$	\$
29	535.17	BICYCLE RIDER SYMBOL (COSA SPEC)	1	EA	\$	\$
30	535.18	SOLID WHITE YIELD LINE (COSA SPEC)	1	EA	\$	\$
31	540	STORMWATER POLLUTION PREVENTION PLAN	1	LS	\$	\$
32	550	TRENCH EXCAVATION SAFETY PROTECTION	3694	LF	\$	\$
33	801.2	LEVEL IIA PROTECTIVE FENCING (COSA SPEC)	950	LF	\$	\$

1

ITEM NO.	SPEC NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE
34	802.1	LEVEL I PRUNING, SOIL AMENDMENT, AND FERTILIZATION (COSA SPEC)	33	EA	\$	\$
35	804	TREE INSTALLATION	6	EA	\$	\$
36	848	8" PVC SDR-26 (D2241) SEWER LINE (0'-6')	851	LF	\$	\$
37	848	8" PVC SDR-26 (D2241) SEWER LINE (6'-10')	1240	LF	\$	\$
38	848	12" PVC SDR-26 (D2241) SEWER LINE (6'-10')	1603	LF	\$	\$
39	851	ADJUSTING EXISTING MANHOLES	7	EA	\$	\$
40	852.6.1	SANITARY SEWER MANHOLE (0' - 6') 4' DIA	20	EA	\$	\$
41	852.6.2	EXTRA DEPTH MANHOLES (> 6')	36	VF	\$	\$
42	854	SANITARY SEWER LATERALS (SDR 26, ASTM D2241)	700	LF	\$	\$
43	854	ONE-WAY SANITARY SEWER CLEAN-OUT	2	EA	\$	\$
44	854	TWO-WAY SANITARY SEWER CLEAN-OUT	50	EA	\$	\$
45	856.6	CASING OR LINER - STEEL CASING	98	LF	\$	\$
46	860	VERTICAL STACKS	10	VF	\$	\$
47	862	ABANDONMENT OF SANITARY SEWER MAIN (LESS THAN 12")	550	LF	\$	\$
48	862.1	ABANDONMENT OF MANHOLE/STRUCTURES	3	EA	\$	\$
49	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 133	1	LS	\$	\$
50	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 207	1	LS	\$	\$
51	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 304-1	1	LS	\$	\$
52	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 304-2	1	LS	\$	\$
53	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 304-3	1	LS	\$	\$
54	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 304-4	1	LS	\$	\$
55	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 310.2 & 310.3	1	LS	\$	\$
56	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 311	1	LS	\$	\$
57	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 316	1	LS	\$	\$
58	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 321	1	LS	\$	\$
59	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 324	1	LS	\$	\$
60	866	SEWER MAIN PRE-TELEVISION INSPECTION (8" - 21" DIAMETER)	396	LF	\$	\$
61	866	SEWER MAIN POST-TELEVISION INSPECTION (8" - 21" DIAMETER)	3694	LF	\$	\$
62	900	PIPE BURSTING 8" SANITARY SEWER PIPE, 0'-10' DEEP	190	LF	\$	\$
63	901	INSTALL CIPP 8" SANITARY SEWER PIPE (HOT WATER) (ALL DEPTHS)	206	LF	\$	\$
64	910	MANHOLE REHABILITATION	7	EA	\$	\$
65	1020	WATER MAIN BREAK/LEAK REPAIRS	6	EA	\$	\$
66	1103	POINT REPAIR, ALL SIZES (0'-10')(ALL DEPTHS)	1	EA	\$	\$
67	1109.4	SANITARY SEWER SERVICE STUBS AND RECONNECTIONS, (W/ OPEN CUT EXCAVATION, 0'-10' DEPTH, INCLUDING UP TO 5 LF OF LATERAL)	4	EA	\$	\$
68	1109.4	SANITARY SEWER LATERAL RECONNECTION BY REMOTE CONTROL CUTTING DEVICE (ALL DEPTHS)	2	EA	\$	\$
69	3000	HANDLING ASBESTOS CEMENT PIPE	39	LF	\$	\$
70	7185	GROUT ABANDONMENT OF 8" SANITARY SEWER MAIN (TXDOT SPEC)	408	LF	\$	\$

1

1

ITEM NO.	SPEC NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE
71	SP-1000	UTILITY POLE BRACING	9	EA	\$	\$
72	SP-2010	REMOVAL AND REPLACEMENT OF FENCING	750	LF	\$	\$
73	SP-4000	MISC STRUCTURE RELOCATION	1	ALW	\$	\$
74	SUP 1.1	TREE REMOVAL (8"-16" DIA)	4	EA	\$	\$
75	SUP 1.2	TREE REMOVAL (17"-23" DIA)	1	EA	\$	\$
76	SUP 1.3	TREE REMOVAL (24"+ DIA)	1	EA	\$	\$

ITEM NO.	SPEC NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE
77	100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEMS 1-76	1	LS	\$	\$
78	101	PREPARATION OF RIGHT-OF-WAY, MAX 5% OF LINE ITEMS 1-76	1	LS	\$	\$

Mobilization and Prep of ROW shall be limited to the maximum percentage shown. **If the percentage exceeds the allowable maximum stated for mobilization and 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 - 78)

PROPOSAL CERTIFICATION

Accompanying this proposal is a Bid Bond or Certified or Cashier's Check payable to the Order of the San Antonio Water System for _____ dollars (\$ _____), which amount represents five percent (5%) of the total bid price. Said bond or check is to be returned to the bidder unless the proposal is accepted and the bidder fails to execute and file a contract within **10** calendar days after the award of the Contract, in which case the check shall become the property of said San Antonio Water System and shall be considered as payment for damages due to delay and other inconveniences suffered by said San Antonio Water System due to the failure of the bidder to execute the contract. The San Antonio Water System reserves the right to reject any and all bids.

It is anticipated that the Owner will act on this proposal within **60** calendar days after the bid opening. Upon acceptance and award of the contract to the undersigned by the Owner, the undersigned shall execute standard San Antonio Water System Contract Documents and make Performance and Payment Bonds for the full amount of the contract within **10** calendar days after the award of the Contract to secure proper compliance with the terms and provisions of the contract, to insure and guarantee the work until final completion and acceptance, and the guarantee period stipulated, and to guarantee payment of all lawful claims for labor performed and materials furnished in the fulfillment of the contract.

It is anticipated that the Owner will provide written Authorization to Proceed within **30** days after the award of the contract.

The work called for in this Contract shall commence on the date indicated in the SAWS written Authorization to Proceed. Under no circumstances shall the work commence prior to the date provided for in the SAWS issued, written Authorization to Proceed. Work shall be completed in full within **392** consecutive calendar days.

The undersigned further acknowledges compliance with "Wage and Labor Standard Provisions" of this contract and the use of the Blue Book rental rates for establishment of equipment rental rates whether owned or leased during the course of this Contract.

In completing the work contained in this proposal the undersigned certifies that bidder's practices and policies do not discriminate on the grounds of race, color, religion, sex or national origin and that the bidder will affirmatively cooperate in the implementation of these policies and practices.

Signed: _____
Company Representative

Company Name

Address

Please return bidder's check to:

Company Name

Address

Supplemental Conditions

INSTRUCTIONS TO BIDDERS

Section 24 of the Instructions to Bidders are hereby deleted in their entirety and replaced with the following:

24. To assist the San Antonio Water System Contracting Office in performing the bidder evaluation and subsequent recommendation of award, the apparent low bidder will submit the following items within 24 hours of the bid opening. Failure to provide the required information, may result in determining a nonresponsive bidder:

- (a) Statement of Bidder's Experience form
- (b) A statement regarding ability to complete the project within the schedule taking into account existing commitments
- (c) A completed and signed W-9 Request for Taxpayer Identification Number and Certification form.
- (d) Company Information Packet
- (e) Conflict of Interest Questionnaire – Form CIQ
- (f) Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)

The remaining sections of Instructions to Bidders shall remain the same

ARTICLE I- CONTRACT DEFINITIONS

Add the following to the end of Article I Contract Definitions of the General Conditions:

65. Project Site – A Project Site, also referred to as a “Work Site” in this project, is defined as a sanitary sewer asset or “comkey” where multiple project sites are grouped together to facilitate the sequence of construction of the work, as indicated in the Special Conditions of these Contract Documents.”

ARTICLE IV- CONTRACT ADMINISTRATION

Section 4.4 of the general conditions shall be amended to add the following:

CONTRACTORS – The Contractor shall perform the Work with its own organization on at least 40 % of the total original contract price to be confirmed by the Bidder on page 1 of the Good Faith Effort Plan.

The term to “perform the Work with its own organization” is defined herein as utilizing only:

- Workers employed and paid directly by the Contractor or a wholly owned subsidiary of the contractor.
- Equipment owned by the contractor or its wholly owned subsidiary.
- Rented or leased equipment operated by the Contractor's, or its wholly owned subsidiaries, employees.
- For purposes of determining the value of the Work self-performed, the amount shall include all materials incorporated into the Work where the majority of the value of the Work involved

- in incorporating the material is performed by the Contractor's own Organization, including wholly owned subsidiary; and
- Labor provided by staff leasing firms licensed under Chapter 91 of the Texas Labor code for non-supervisory personnel if the contractor or wholly owned subsidiary maintains direct control over the labor.

Remove Section 4.6.2.1 in its entirety and replace with the following:

TERMINATION FOR CONVENIENCE - The right to terminate this Contract for the convenience of Owner (including, but not limited to, non-appropriation of funding) expressly is retained by Owner. In the event of a termination for convenience by Owner, Owner shall, at least ten (10) calendar days in advance, deliver written notice of the termination for convenience to Contractor. Upon Contractor's receipt of such written notice, Contractor immediately shall cease the performance of the Work and shall take reasonable and appropriate action to secure and protect the Work then in place. Contractor shall then be paid by Owner, in accordance with the terms and provisions of the Contract Documents, an amount not to exceed the actual labor costs incurred, the actual cost of all materials installed and the actual cost of all materials stored at the Project site or away from the Project site, as approved in writing by Owner, but not yet paid for and which cannot be returned; and actual, reasonable and documented demobilization costs, if any, paid by Contractor and approved by Owner in connection with the Work in place which is completed as of the date of termination by Owner and that is in conformance with the Contract Documents, less all amounts previously paid for the Work. No amount ever shall be owed or paid to Contractor for lost or anticipated profits on any part of the Work not performed or for consequential damages of any kind or unabsorbed overhead, opportunity costs or other damages as a result of a termination for convenience under this section. In addition, any amount payable to the Contractor pursuant to this section shall be reduced in the amount of (1) any claim Owner may have against the Contractor under this Contract, and (2) the fair value, as determined by Owner, of property which is destroyed, lost, stolen or damaged so as to become undeliverable to Owner, excluding normal spoilage and except to the extent that Owner shall have otherwise expressly assumed the risk of loss with respect to such property hereunder.

Remove Section 4.9.2 of the general conditions and replace with the following:

The Contractor shall not, except upon procuring written consent from proper private parties, enter or occupy with men, tools, materials, or equipment, any privately owned land except for those on easements or rights of entry provided herein by SAWS. Contractor must submit a copy of the written consent from the landowner to SAWS.

The remaining sections of Article IV shall remain the same.

ARTICLE V – CONTRACT RESPONSIBILITIES

Add the following Paragraph at the end of Section 5.3:

It is the Contractor's responsibility to make arrangements with SAWS development services, and at the Contractor's expense, for a temporary meter and any water usage, at Contractor's expense, to be using during construction.

Remove Section 5.7.1.1.7.8 in its entirety and replace with the following:

Installation Floater - Physical Damage Insurance which insures SAWS and the City for damages to all Property Purchased for, or Assigned to, the Project commencing on the start date through completion. Policy limits shall be in an amount equal to the total contract cost contracted herewith. The policy form shall be an All Risk form and shall include coverage for both during transit and while stored at the work site.

The remaining sections of Article V shall remain the same.

ARTICLE VI – CONTRACT CHANGES

6.4 Delete section 6.4 in its entirety.

6.6 Delete section 6.6 in its entirety.

The remaining sections of Article VI shall remain the same.

ARTICLE VIII. - CONTRACT COMPLETION TIME

Section 8.6 Liquidated Damages for Failure to Complete on Time: of the General Conditions shall be amended as follows:

Add the following to the end of the paragraph:

Liquidated damages, for the purpose of this contract, will be assessed as follows for final completion extending beyond contract time: \$635 per Calendar Day.

The remaining sections of Article VIII shall remain the same.

ITEM SP 2010
REMOVAL AND REPLACEMENT OF FENCING

2010.1 **DESCRIPTION:** This item shall govern the removal, disposal, and replacement of existing fencing as necessary for accessibility purposes or as necessary to complete the work as depicted in the plans. Temporary fencing around the work area is required during construction once the original fence has been removed. Upon completion of construction, the temporary fence shall be removed, and the replacement fence shall be installed new.

2010.2 **MATERIALS:** The new fence shall be constructed of the same type of material, height, style, and configuration as the existing fence. Existing fencing may include wooden pickets, chain link, or other type.

2010.3 **CONSTRUCTION:** Contractor shall remove all components of the existing fence, including any concrete used to anchor fence posts, bracing, guy wires, posts, and/or gates. All removed materials shall be disposed of properly.

Chain link and wooden fences shall be constructed according to CoSA Specification Item 507.

All other fencing types shall be erected according to the manufacturer's recommendations.

Temporary fencing shall be constructed and maintained that pets are contained within the owner's property at all times.

2010.4 **MEASUREMENT:** This work shall be measured on a linear foot basis.

2010.5 **PAYMENT:** Payment will be full compensation for removing the existing fence, setting up and removing temporary fencing, furnishing and installing the new fence, furnishing all materials required to complete the work which includes, but is not limited to, weather proofing, concrete footings, all labor, tools, equipment, excavation, backfilling, disposal of surplus materials, and any incidentals necessary to complete the work.

- END OF SPECIFICATION -

ABBREVIATIONS

APPROX	APPROXIMATE	TCP	TRAFFIC CONTROL PLAN
AVG	AVERAGE	TEMP	TEMPORARY
AVE	AVENUE	TMK	TEMPERANT TELEPHONE MARKER
AC	ACRES	T/P	TOP OF PIPE
AC	ASBESTOS CEMENT	TYP	TYPICAL
ACP	ASBESTOS CEMENT PIPE	TCEQ	TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
ARV	AIR RELEASE VALVE	TAC	TEXAS ADMINISTRATIVE CODE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	TXDOT	TEXAS DEPARTMENT OF TRANSPORTATION
		TMUTCD	TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL
		DEVICES	
B-XXX	BORE NUMBER	U/E	UTILITY EASEMENT
B/L	BUILDING LINE	UT	UNDERGROUND TELEPHONE
BLK	BLOCK	UE	UNDERGROUND ELECTRIC
BM	BENCHMARK	UGE	UNDERGROUND ELECTRICAL
BP	BYPASS PUMPING	UGT	UNDERGROUND TELEPHONE
BW	BARBED WIRE	USACE	UNITED STATES ARMY CORPS OF ENGINEERS
		UECM	UTILITY EXCAVATION CRITERIA MANUAL
C	HAZEN-WILLIAMS COEFFICIENT	VF	VERTICAL FOOT
CI	CAST IRON	VCP	VITRIFIED CLAY PIPE
CIPP	CURED-IN-PLACE PIPE	VOL	VOLUME
CIRF	CAPPED IRON ROD FOUND	VPI	VERTICAL POINT OF INFLECTION
CIRS	CAPPED IRON ROD SURVEY		
CL	CENTER LINE	W	POTABLE WATER
CONC	CONCRETE	WL	WATER LINE
COSA	CITY OF SAN ANTONIO	W/	WITH
CLSM	CONTROLLED LOW STRENGTH MATERIAL	WW	WASTE WATER
CMP	CORRUGATED METAL PIPE	WM	WATER METER
CP-XXX	CONTROL POINT NUMBER	WV	WATER VALVE
CT	CLAY TILE	WMB	WOODEN MAIL BOX
		WTP	WATER TREATMENT PLANT
		WMMH	WASTE WATER MANHOLE
DIA	DIAMETER		
DR	DEED RECORD		WATER VALVE
DIP	DUCTILE IRON PIPE		FIRE HYDRANT
			WATER METER
E	EAST OR EASTING		POWER POLE
EL	ELEVATION		SIGN
EX	EXISTING		TELEPHONE PEDESTAL
EXIST	EXISTING		CABLE TV PEDESTAL
ESMT	EASEMENT		ELECTRIC UTILITY PULLBOX
EOC	SAWS EMERGENCY OPERATIONS CENTER		STORM DRAIN MANHOLE
			TELEPHONE MANHOLE
FL	FLOW LINE		EXISTING SANITARY SEWER MANHOLE
FH	FIRE HYDRANT		PROPOSED SANITARY SEWER MANHOLE
FT	FEET		SANITARY SEWER CLEANOUT
FT/S	FEET PER SECOND		ELECTRIC MANHOLE
			FLOW ARROW
G	GAS LINE		GUY WIRE
GL	GAS LINE		JUNCTION BOX
GV	GATE VALVE		ELECTRIC HIGH VOLTAGE TOWER
GPS	GLOBAL POSITIONING SYSTEM		STRUCTURE TOWER
			MAILBOX
HDPE	HIGH DENSITY POLYETHYLENE PIPE		CONTROL POINT
			BENCHMARK
IN	INCHES		SUE TEST HOLE
INV	INVERT		WATER FAUCET
IRF	IRON ROD FOUND		TREE/POINT NUMBER
			TREE CANOPY LIMITS
LF	LINEAR FOOT		PROPOSED POINT REPAIR
			PROPERTY/ROW LINE
MB	MAILBOX		EASEMENT LINE
MH	MANHOLE		STORM DRAIN LINE
MIN	MINIMUM		EXISTING SANITARY SEWER LINE
MAX	MAXIMUM		PROPOSED SANITARY SEWER LINE
MMB	METAL MAILBOX		MILL AND OVERLAY LIMITS OF RESTORATION
MON	MONUMENT		STEEL CASING
MGD	MILLIONS OF GALLONS PER DAY		ABANDONED SANITARY SEWER LINE
			WATER LINE
N	NORTHING OR NORTH		UNDERGROUND TELEPHONE LINE
NO, #	NUMBER		UNDERGROUND ELECTRIC LINE
NTS	NOT TO SCALE		OVERHEAD ELECTRIC
NSPI	NO SEPARATE PAY ITEM		GAS LINE
			HIGH VOLTAGE LINE
OE	OVERHEAD ELECTRIC		CHAINLINK FENCE LINE
OHE	OVERHEAD ELECTRIC		WOODEN FENCE LINE
OPRBC7	OFFICIAL PUBLIC RECORDS, BEXAR COUNTY, TEXAS		METAL FENCE LINE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION		
PC	POINT OF CURVE		
PCI	PAVEMENT CONDITION INDEX		
PE	POLYETHYLENE		
PERM	PERMANENT		
PG	PAGE		
PT	POINT OF TANGENCY		
POB	POINT OF BEGINNING		
POE	POINT OF ENDING		
POE	POINT OF ENTRY		
PROP	PROPOSED		
PRC	POINT OF REVERSE CURVE		
PSI	POUND PER SQUARE INCH		
PVC	POLYVINYL CHLORIDE		
PI	POINT OF INFLECTION		
RCP	REINFORCED CONCRETE PIPE		
ROW	RIGHT-OF-WAY		
RT	RIGHT		
RW	RECLAIMED WATER		
S	SOUTH		
SARA	SAN ANTONIO RIVER AUTHORITY		
SAWS	SAN ANTONIO WATER SYSTEM		
SD	STORM DRAIN		
SPECS	SPECIFICATIONS		
SSMH	SANITARY SEWER MANHOLE		
ST	STREET		
STL	STEEL		
SY	SQUARE YARDS		
STA	STATION		
STD	STANDARD		
SUE	SUBSURFACE UTILITY ENGINEERING		

OVERALL QUANTITIES

NUMBER	ITEM	DESCRIPTION	QUANTITY	UNIT
1	103.1	REMOVE CONCRETE CURB (COSA SPEC)	230	LF
2	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	1100	SF
3	203	TACK COAT (COSA SPEC)	675	GAL
4	205.4	HOT MIX ASPHALTIC CONCRETE PAVEMENT, TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	6750	SY
5	206.1	ASPHALT TREATED BASE (ATB) (10" COMPACTED DEPTH) (COSA SPEC)	1750	SY
6	208.2	SALVAGING HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT(2" DEPTH) (COSA SPEC)	6750	CY
7	413.1	FLOWABLE FILL (LOW STRENGTH) (COSA SPEC)	30	CY
8	500.1	CONCRETE CURB (COSA SPEC)	230	LF
9	502.1	CONCRETE SIDEWALKS (COSA SPEC)	129	SY
10	503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS (COSA SPEC)	54	SY
11	515.1	TOPSOIL (COSA SPEC)	40	CY
12	516.1	BERMUDA SODDING (COSA SPEC)	223	SY
13	520.1	HYDROMULCHING	170	SY
14	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 133	1	LS
15	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 207	1	LS
16	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 304.1	1	LS
17	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 304.2	1	LS
18	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 304.3	1	LS
19	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 304.4	1	LS
20	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - 310.2 & 310.3	1	LS
21	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 311	1	LS
22	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 316	1	LS
23	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 321	1	LS
24	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 324	1	LS
25	535.1	4 INCH WIDE YELLOW LINE(W/REFLECTORS)(COSA SPEC)	410	LF
26	535.2	4 INCH WIDE WHITE LINE(W/REFLECTORS)(COSA SPEC)	425	LF
27	535.3	8 INCH WIDE YELLOW LINE (COSA SPEC)	100	LF
28	535.4	8 INCH WIDE WHITE LINE (COSA SPEC)	85	LF
29	535.17	BICYCLE RIDER SYMBOL (COSA SPEC)	1	EA
30	535.18	SOLID WHITE YIELD LINE (COSA SPEC)	1	EA
31	540	STORMWATER POLLUTION PREVENTION PLAN	1	LS
32	550	TRENCH EXCAVATION SAFETY PROTECTION	3694	LF
33	801.2	LEVEL IIA PROTECTIVE FENCING (COSA SPEC)	950	LF
34	802.1	LEVEL I PRUNING, SOIL AMENDMENT, AND FERTILIZATION (COSA SPEC)	33	EA
35	804	TREE INSTALLATION	6	EA
36	848	8" PVC SDR-26 (D2241) SEWER LINE (0'-6')	851	LF
37	848	8" PVC SDR-26 (D2241) SEWER LINE (6'-10')	1240	LF
38	848	12" PVC SDR-26 (D2241) SEWER LINE (6'-10')	1603	LF
39	851	ADJUSTING EXISTING MANHOLES	7	EA
40	852.6.1	SANITARY SEWER MANHOLE (0' - 6') 4' DIA	20	EA
41	852.6.2	EXTRA DEPTH MANHOLES (> 6')	36	VF
42	854	SANITARY SEWER LATERALS (SDR 26, ASTM D2241)	700	LF
43	854	ONE-WAY SANITARY SEWER CLEAN-OUT	2	EA
44	854	TWO-WAY SANITARY SEWER CLEAN-OUT	50	EA
45	856.6	CASING OR LINER - STEEL CASING	98	LF
46	860	VERTICAL STACKS	10	VF
47	862	ABANDONMENT OF SANITARY SEWER MAIN (LESS THAN 12")	550	LF
48	862.1	ABANDONMENT OF MANHOLE/STRUCTURES	3	EA
49	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 133	1	LS
50	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 207	1	LS
51	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 304-1	1	LS
52	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 304-2	1	LS
53	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 304-3	1	LS
54	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 304-4	1	LS
55	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 310.2 & 310.3	1	LS
56	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 311	1	LS
57	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 316	1	LS
58	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 321	1	LS
59	864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 324	1	LS
60	866	SEWER MAIN PRE-TELEVISION INSPECTION (8" - 21" DIAMETER)	396	LF
61	866	SEWER MAIN POST-TELEVISION INSPECTION (8" - 21" DIAMETER)	3694	LF
62	900	PIPE BURSTING 8" SANITARY SEWER PIPE, 0'-10' DEEP	190	LF
63	901	INSTALL CIPP 8" SANITARY SEWER PIPE (HOT WATER) (ALL DEPTHS)	206	LF
64	910	MANHOLE REHABILITATION	7	EA
65	1020	WATER MAIN BREAK/LEAK REPAIRS	6	EA
66	1103	POINT REPAIR, ALL SIZES (0' - 10') (ALL DEPTHS)	1	EA
67	1109.4	SANITARY SEWER SERVICE STUBS AND RECONNECTIONS, (W/ OPEN CUT EXCAVATION, 0'-10' DEPTH, INCLUDING UP TO 5 LF OF LATERAL)	4	EA
68	1109.4	SANITARY SEWER LATERAL RECONNECTION BY REMOTE CONTROL CUTTING DEVICE (ALL DEPTHS)	2	EA
69	3000	HANDLING ASBESTOS CEMENT PIPE	39	LF
70	7185	GROUT ABANDONMENT OF 8" SANITARY SEWER MAIN (TXDOT SPEC)	408	LF
71	SP-1000	UTILITY POLE BRACING	9	EA
72	SP-2010	REMOVAL AND REPLACEMENT OF FENCING	750	LF
73	SP-4000	MISC STRUCTURE RELOCATION	1	ALW
74	SUP 1.1	TREE REMOVAL (8"-16" DIA)	4	EA
75	SUP 1.2	TREE REMOVAL (17"-23" DIA)	1	EA
76	SUP 1.3	TREE REMOVAL (24"+ DIA)	1	EA

PLUMMER

12500 SAN PEDRO AVE STE 401 | SAN ANTONIO, TX 78216
210.510.0888 | TBPE REGISTERED FIRM NUMBER F-13

USER: Moratta, Nat

11/03/21 ADDENDUM 1

NO. DATE REVISION

BPC CENTRAL SMALL DIAMETER PACKAGE 4C SAWS JOB NO 20-4523

GENERAL LEGEND, ABBREVIATIONS AND OVERALL QUANTITIES

BAR IS ONE HALF INCH ON ORIGINAL DRAWING.

ONE HALF INCH

DESIGNED TTR

CHECKED ADS

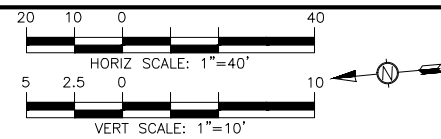
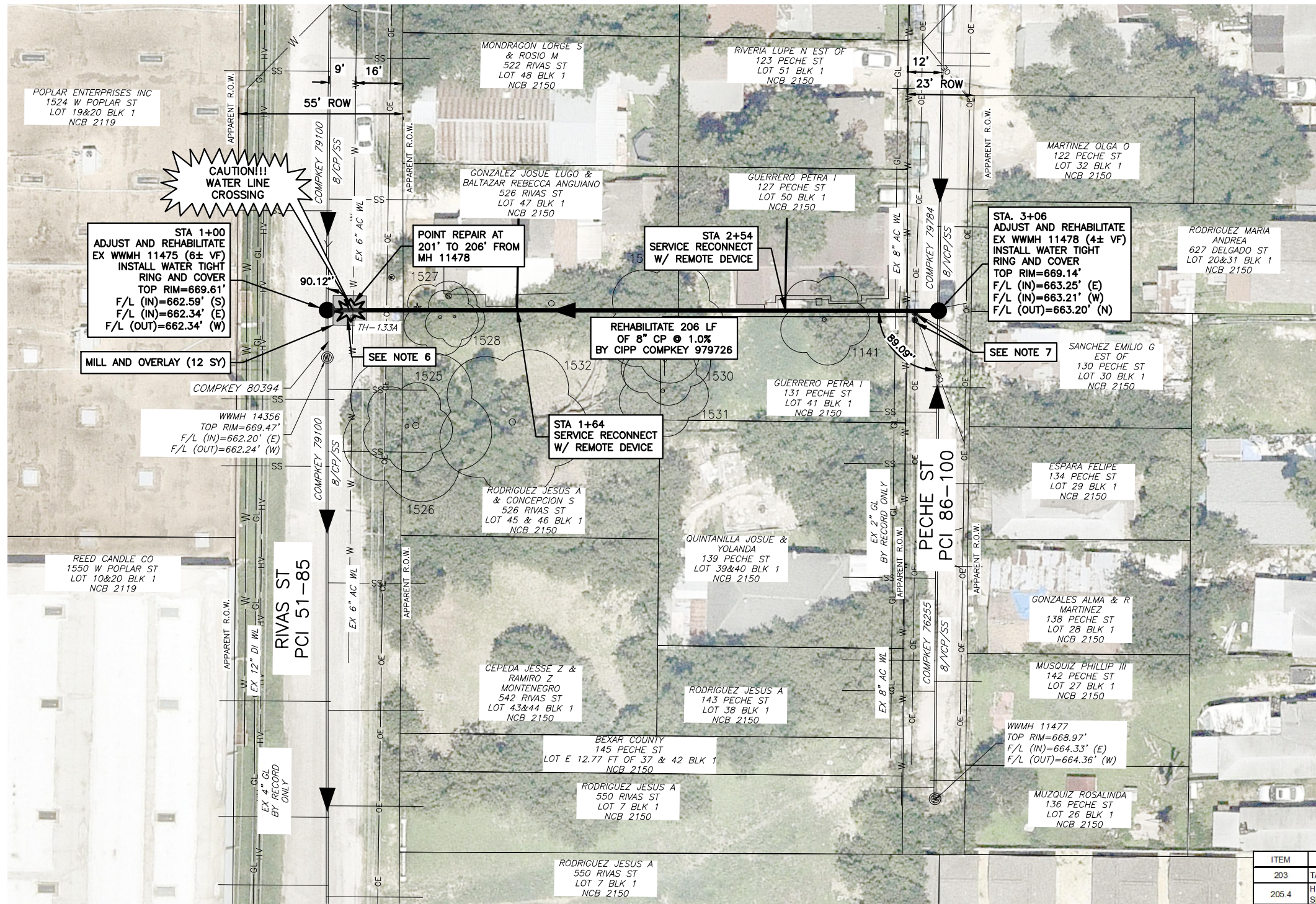
REVIEWED MP/CM

Seq. 3 of 90

Dwg. No. **G-003**

0535-015-01

PRINTED: 11/3/2021 11:44 AM S:\Projects\0535-015-01\0535-015-01\Drawings and Figures\0535-015-01\GEN-PKG-4C\GEN-PKG-4C\ABBREVIATIONS.dwg



- NOTES:**
- REFER TO SHEET G-006 & G-007 FOR ADDITIONAL NOTES.
 - ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE, CONTAINS ASBESTOS-CONTAINING MATERIAL (ACM) AND IS LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS ARE APPLICABLE WHEN HANDLING, REMOVING AND DISPOSING OF THIS PIPE. PAYMENT FOR SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM NO 3000. "SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE."
 - CONCRETE ENCASUREMENT AND WATER LINE PVC QUANTITIES ARE INCLUDED AS NEEDED FOR AC WATER LINE CROSSING WHEN POINT REPAIR WORK OCCURS.
 - 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 TWO WEEKS OR MORE IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY. SAWS PRODUCTION CONTROL CENTER 210-233-2016
 - CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED FOR BYPASS PUMPING PIPING AND EQUIPMENT, PER STANDARD TRAFFIC CONTROL DETAILS.
 - LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
 - POWER POLE BRACING, SP-1000, TO BE UTILIZED AS NECESSARY DURING CONSTRUCTION. CONTRACTOR TO DETERMINE IF BRACING IS NEEDED. PAYMENT TO CONTRACTOR SHALL OCCUR IF SP-1000 IS UTILIZED, OTHERWISE AMOUNT TO BE CREDITED BACK TO SAWS.

TREE TABLE

POINT NO	TAG NO	TREE SIZE	TREE TYPE	DRIP DIA
1141		12"	HAK	30'
1525		11"	HAK	30'
1526		24"	ANA	50'
1527		6"	HAK	25'
1528		8"	HAK	20'
1529		18"	HAK	40'
1530		10	HAK	30'
1531		11"	HAK	30'
1532		32"	PEC	50'

TEST HOLE #	UTILITY	SIZE & MATERIAL	NORTHING	EASTING	GROUND ELEVATION	TOP PIPE
133A	WATER	7 AC	13707292.12	2123425.50	669.33	663.99

PROP 8" CIPP SANITARY SEWER - 206 LF

COMPKEY 979726
SAWS BLOCK MAP 154582
OM-488

ITEM	DESCRIPTION	QUANTITY	UNITS
203	TACK COAT (COSA SPEC)	1	GAL
205.4	HOT MIX ASPHALTIC CONCRETE PAVEMENT, TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	12	SY
206.1	ASPHALT TREATED BASE (ATB) (10" COMPACTED DEPTH) (COSA SPEC)	12	SY
208.2	SALVAGING HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	12	CY
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 133	1	LS
851	ADJUSTING EXISTING MANHOLES	2	EA
864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 133	1	LS
866	SEWER MAIN PRE-TELEVISION INSPECTION (8" - 21" DIAMETER)	206	LF
901	INSTALL CIPP 8" SANITARY SEWER PIPE (HOT WATER) (ALL DEPTHS)	206	LF
910	MANHOLE REHABILITATION	2	EA
1020	WATER MAIN BREAK/LEAK REPAIRS	1	EA
1103	POINT REPAIR, ALL SIZES (0" - 10") (ALL DEPTHS)	1	EA
1109.4	SANITARY SEWER LATERAL RECONNECTION BY REMOTE CONTROL CUTTING DEVICE (ALL DEPTHS)	2	EA
3000	HANDLING ASBESTOS CEMENT PIPE	13	LF
SP-1000	UTILITY POLE BRACING	2	EA

12500 SAN PEDRO AVE STE 401 | SAN ANTONIO, TX 78216
210.510.0888 | TBPE REGISTERED FIRM NUMBER F-13

ADDENDUM 1

REVISION

San Antonio Water System

SANITARY SEWER LINE REHABILITATION PLAN

BPC CENTRAL SMALL DIAMETER PACKAGE 4C SAWS JOB NO 20-4523

SITE 133
PECHE ST TO RIVAS ST

10/29/2021

Ma Swartz

BAR IS ONE HALF INCH ON ORIGINAL DRAWING.

ONE HALF INCH

DESIGNED TTR

DRAWN BEB/MKM

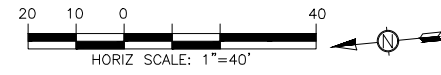
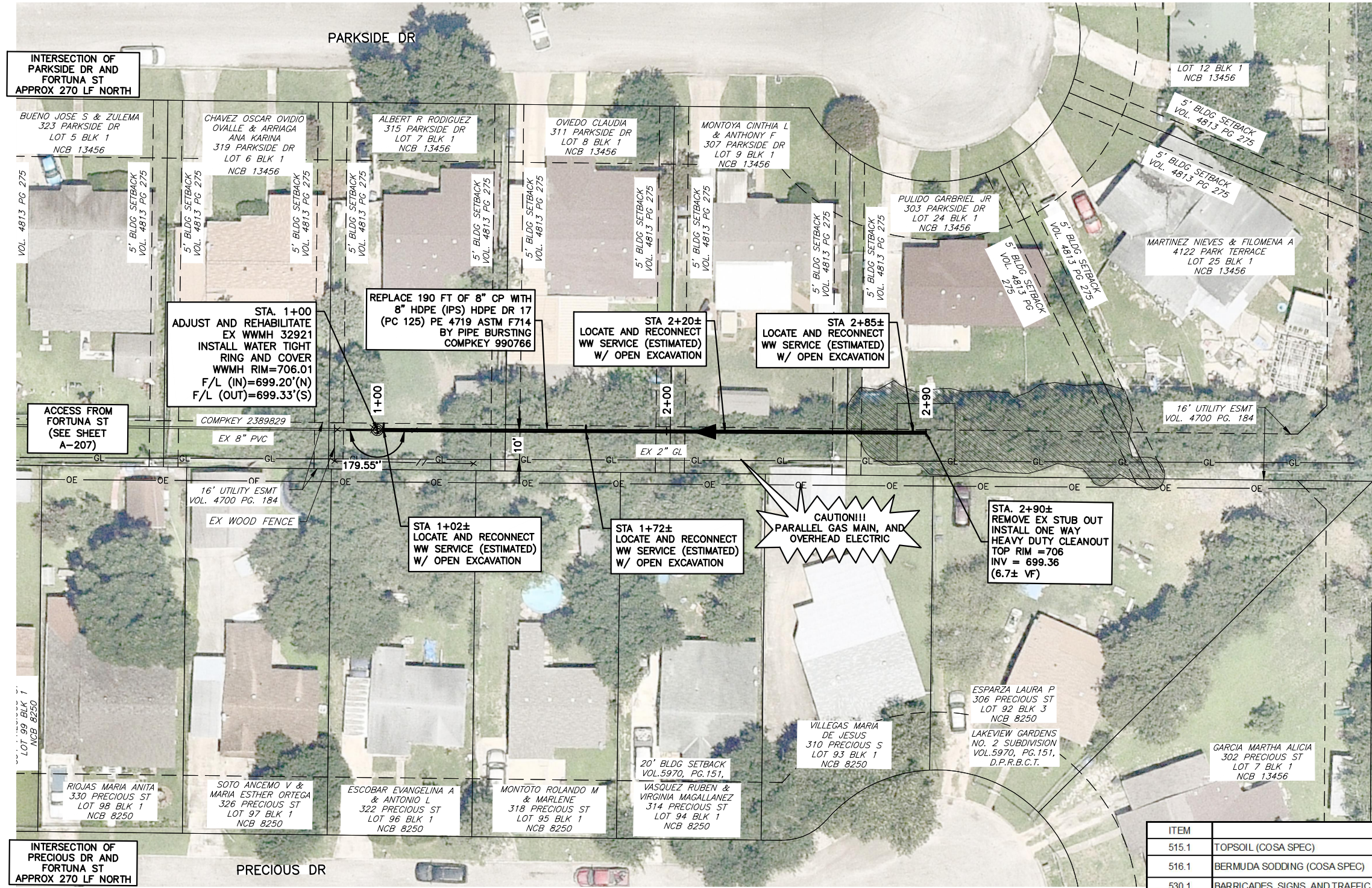
CHECKED ADS

REVIEWED MP/CM

Seq. 11 of 90

Dwg. No. C-133

0535-015-01



- NOTES:**
- REFER TO G-006 & G-007 FOR ADDITIONAL NOTES.
 - CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED FOR BYPASS PUMPING PIPING AND EQUIPMENT, PER STANDARD TRAFFIC CONTROL DETAILS.
 - INSERTION PITS SHALL NOT BE INSTALLED IN SATURATED SOILS AND SHALL NOT BE LOCATED WHERE PIPE BURSTING REPLACEMENT CAN POTENTIALLY INTERFERE AND/OR DAMAGE SURROUNDING EXISTING UTILITIES. THE LOCATION OF THE INSERTION PIT SHALL NOT LIMIT THE SPACE NEEDED FOR PIPE AND EQUIPMENT LAY DOWN AND SHALL NOT BE TOO NARROW FOR THE PIPE TO LINE UP FULLY WITH THE EXISTING PIPE THAT IS BEING REPLACED.
 - CONTRACTOR TO EXPOSE ALL CROSSING GAS SERVICE LATERALS PRIOR TO PIPEBURSTING (NSPI).
 - LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
 - TREE AND ROOT PROTECTION TO OCCUR PER SPECIFICATION 802 "LEVEL 1 PRUNING, SOIL AMENDING, AND FERTILIZATION" AS NECESSARY.
 - MISCELLANEOUS STRUCTURE RELOCATION, SP-4000, TO BE UTILIZED AS NECESSARY DURING CONSTRUCTION. CONTRACTOR TO DETERMINE IF BRACING IS NEEDED. PAYMENT TO CONTRACTOR SHALL OCCUR IF SP-4000 IS UTILIZED.
 - CONTRACTOR TO REMOVE TREES WITHIN CONSTRUCTION AREA AS NEEDED. CONTRACTOR TO NOTIFY ENGINEER IF "PROTECTED TREES" PER COSA TREE ORDINANCE, MAY 6, 2010, ARE IDENTIFIED FOR REMOVAL. "PROTECTED TREES" WILL REQUIRE ADDITIONAL PERMITTING COORDINATION WITH COSA TREE DEPARTMENT PRIOR TO COMMENCING WORK.

TRENCH EXCAVATION SAFETY PROTECTION:
 CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OF SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

ITEM	DESCRIPTION	QUANTITY	UNITS
515.1	TOPSOIL (COSA SPEC)	5	CY
516.1	BERMUDA SODDING (COSA SPEC)	14	SY
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 207	1	LS
801.2	LEVEL IIA PROTECTIVE FENCING (COSA SPEC)	20	LF
851	ADJUSTING EXISTING MANHOLES	1	EA
854	ONE-WAY SANITARY SEWER CLEAN-OUT	1	EA
864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 207	1	LS
866	SEWER MAIN PRE-TELEVISION INSPECTION (8" - 21" DIAMETER)	190	LF
900	PIPE BURSTING 8" SANITARY SEWER PIPE, 0'-10" DEEP	190	LF
910	MANHOLE REHABILITATION	1	EA
1109.4	SANITARY SEWER SERVICE STUBS AND RECONNECTIONS, (W/ OPEN CUT EXCAVATION 6'-10" DEPTH INCLUDING UP TO 5'-6" OF LATERAL)	4	EA
SP-2010	REMOVAL AND REPLACEMENT OF FENCING	320	LF
SP-4000	MISC STRUCTURE RELOCATION	1	ALW

PROP 8" PIPE BURSTING SANITARY SEWER – 190 LF

COMPKEY 990766
 SAWS BLOCK MAP 136582
 PARKSIDE DR (ALLEY) – PCI N/A
 FORTUNA TO PARK TERRACE
 F-543

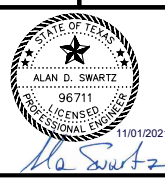
PLUMMER



NO.	DATE	REVISION	BY
1			

San Antonio Water System

BPC CENTRAL SMALL DIAMETER PACKAGE 4C
 SAWS JOB NO 20-4523
 SANITARY SEWER LINE REHABILITATION PLAN
 SITE 207 PARKSIDE DR ALLEY FORTUNA TO PARK TERRACE

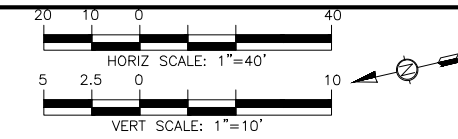
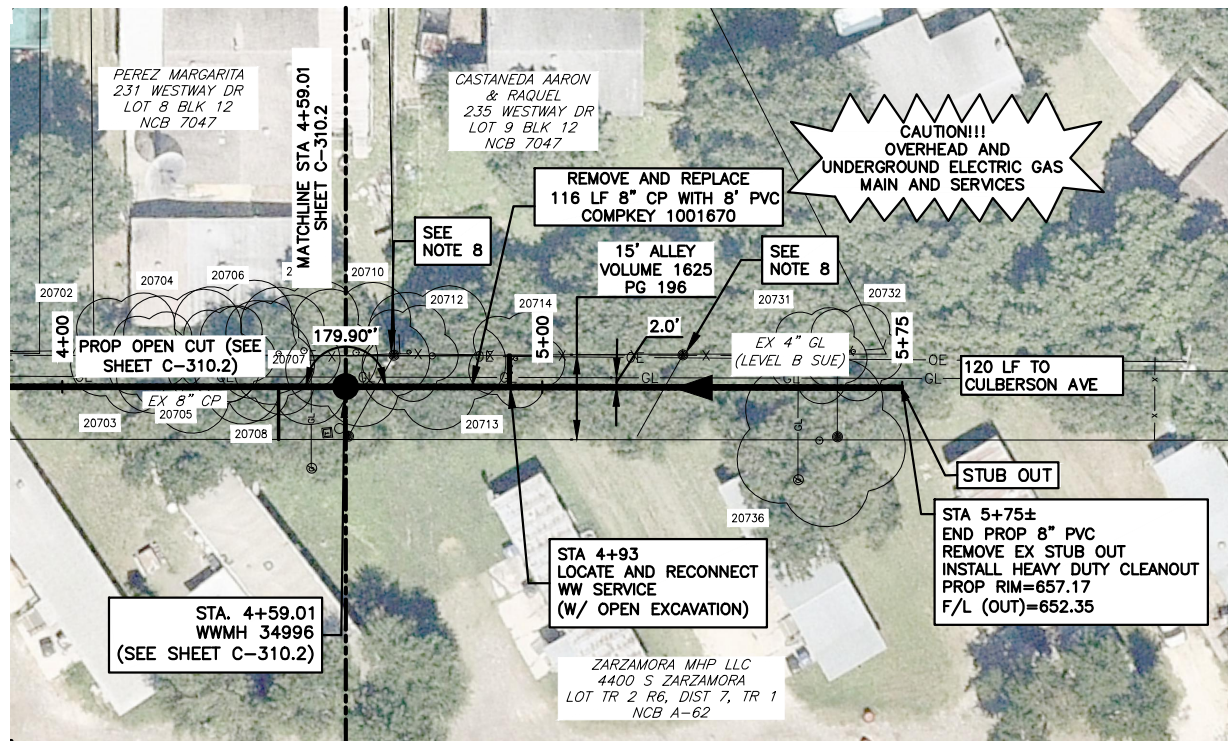


BAR IS ONE HALF INCH ON ORIGINAL DRAWING.
 ONE HALF INCH

DESIGNED TTR
 DRAWN BEB/MKM
 CHECKED ADS
 REVIEWED MP/CM

Seq. 15 of 90
 Dwg. No. C-207

0535-015-01



- NOTES:
- REFER TO G-006 & G-007 FOR ADDITIONAL NOTES.
 - CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED FOR BYPASS PUMPING PIPING AND EQUIPMENT, PER STANDARD TRAFFIC CONTROL DETAILS.
 - CONTRACTOR TO EXPOSE ALL CROSSING GAS SERVICE LATERALS (NSPI).
 - CONTRACTOR TO PROTECT AND NOT DISTURB HOMES WITHIN EASEMENT.
 - ADJACENT GAS LINE TO BE SUPPORTED AND PROTECTED AS NECESSARY (NSPI).
 - LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
 - CONTRACTOR TO REMOVE TREES WITHIN CONSTRUCTION AREA AS NEEDED. CONTRACTOR TO NOTIFY ENGINEER IF 'PROTECTED TREES' PER COSA TREE ORDINANCE, MAY 6, 2010, ARE IDENTIFIED FOR REMOVAL. 'PROTECTED TREES' WILL REQUIRE ADDITIONAL PERMITTING COORDINATION WITH COSA TREE DEPARTMENT PRIOR TO COMMENCING WORK.
 - POWER POLE BRACING, SP-1000, TO BE UTILIZED AS NECESSARY DURING CONSTRUCTION. CONTRACTOR TO DETERMINE IF BRACING IS NEEDED. PAYMENT TO CONTRACTOR SHALL OCCUR IF SP-1000 IS UTILIZED.

TREE TABLE

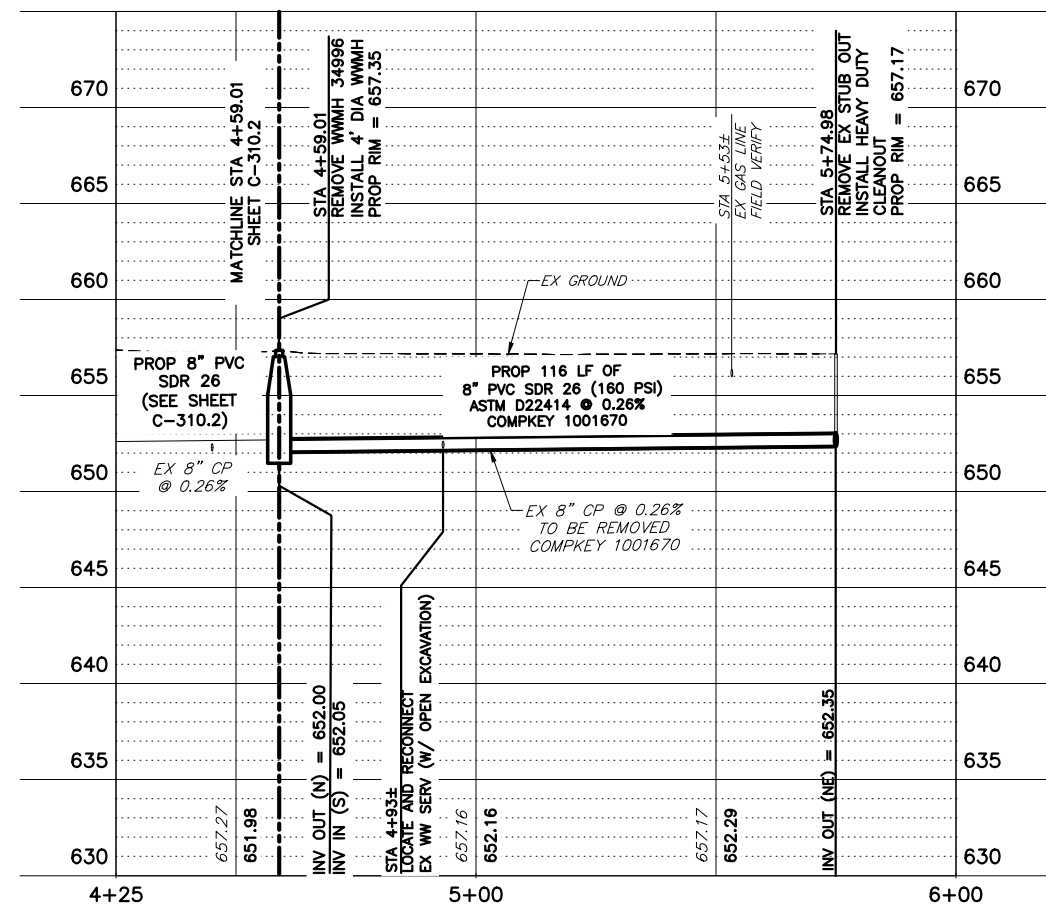
Site 310.3				
POINT NO	TAG NO	TREE SIZE	TREE TYPE	DRIP DIA
20710	1989	15"	HAK	30'
20712	1990	9"	HAK	20'
20713	1991	12"	HAK	30'
20714	1992	10"	HAK	20'
20731	1993	9"	HAK	20'
20732	1994	11"	HAK	20'
20736	1995	17"	HAK	35'

PROP 8" OPEN-CUT SANITARY SEWER - 116 LF

COMPKEY 1001670
SAWS BLOCK MAP 148562
MOBILE HOME PARK B - PCI N/A
OM-2414

ITEM	DESCRIPTION	QUANTITY	UNITS
550	TRENCH EXCAVATION SAFETY PROTECTION	116	LF
801.2	LEVEL IIA PROTECTIVE FENCING (COSASPEC)	116	LF
802	LEVEL I PRUNING, SOIL AMENDMENT, AND FERTILIZATION (COSASPEC)	7	EA
848	8" PVC SDR-26 (D2241) SEWER LINE (0'-6")	116	LF
854	SANITARY SEWER LATERALS (SDR 26, ASTM D2241)	7	LF
854	ONE-WAY SANITARY SEWER CLEAN-OUT	1	EA
854	TWO-WAY SANITARY SEWER CLEAN-OUT	1	EA
866	SEWER MAIN POST-TELEVISION INSPECTION (8" - 21" DIAMETER)	116	LF
SP-1000	UTILITY POLE BRACING	2	EA
SP-2010	REMOVAL AND REPLACEMENT OF FENCING	25	LF

TRENCH EXCAVATION SAFETY PROTECTION:
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OF SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



12500 SAN PEDRO AVE STE 401 | SAN ANTONIO, TX 78216
210.510.0888 | TBPE REGISTERED FIRM NUMBER F-13

1707/21/ADDENDUM 1 NO. DATE REVISION	ADS BY
---	--------

San Antonio Water System

BPC CENTRAL SMALL DIAMETER
PACKAGE 4C
SAWS JOB NO 20-4523

SANITARY SEWER LINE REHABILITATION PLAN
SITE 310.3 WESTWAY DR (ALLEY)
ZARZAMORA MOBILE HOME PARK ENTRANCE

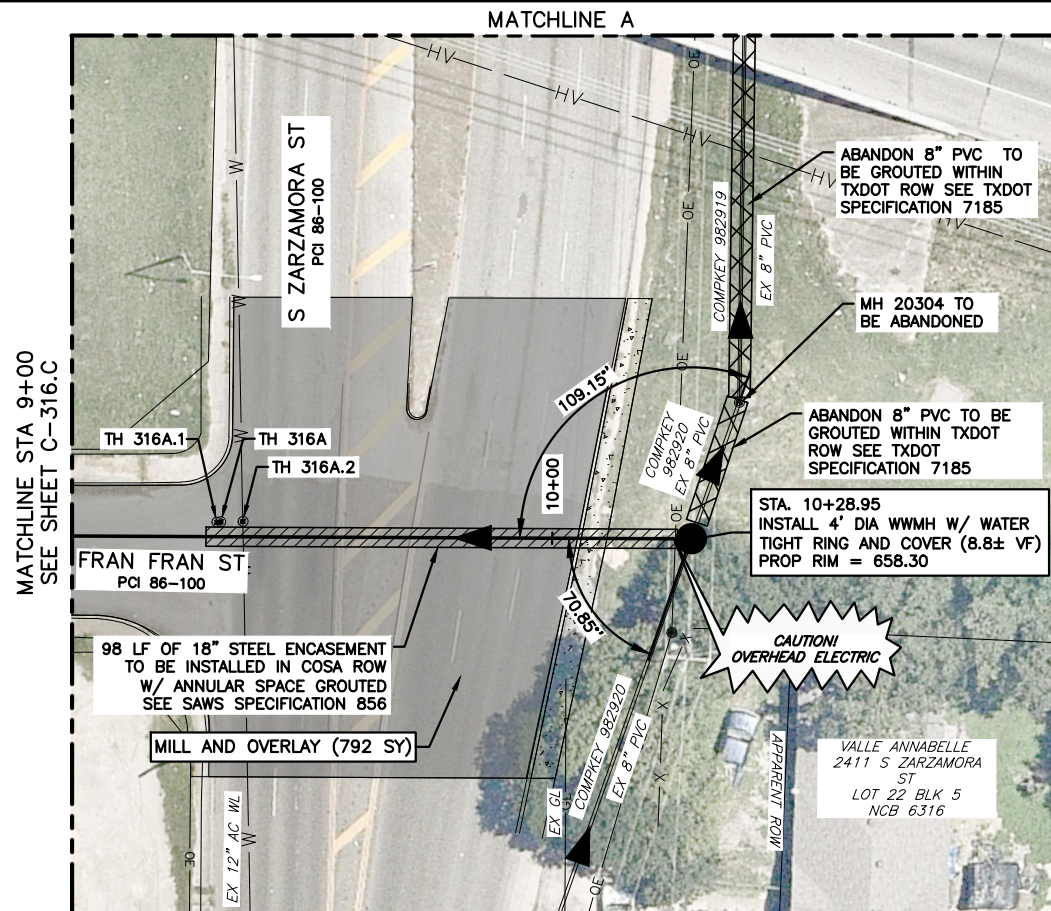
11/01/2021
Alan D. Swartz

BAR IS ONE HALF INCH ON ORIGINAL DRAWING.
ONE HALF INCH

DESIGNED	TTR
DRAWN	BEB/MKM
CHECKED	ADS
REVIEWED	MP/CM

Seq. 31 of 90
Dwg. No. **C-310.3**
0535-015-01

PRINTED: 11/17/2021 8:35 PM SA\Projects\0535\015-01\16-0 Drawings and Figures\6-1 A0535\015-01\16-0 Mobile.dwg SAVES: 10/14/2021 3:12 PM USER: Marcotta, Kot



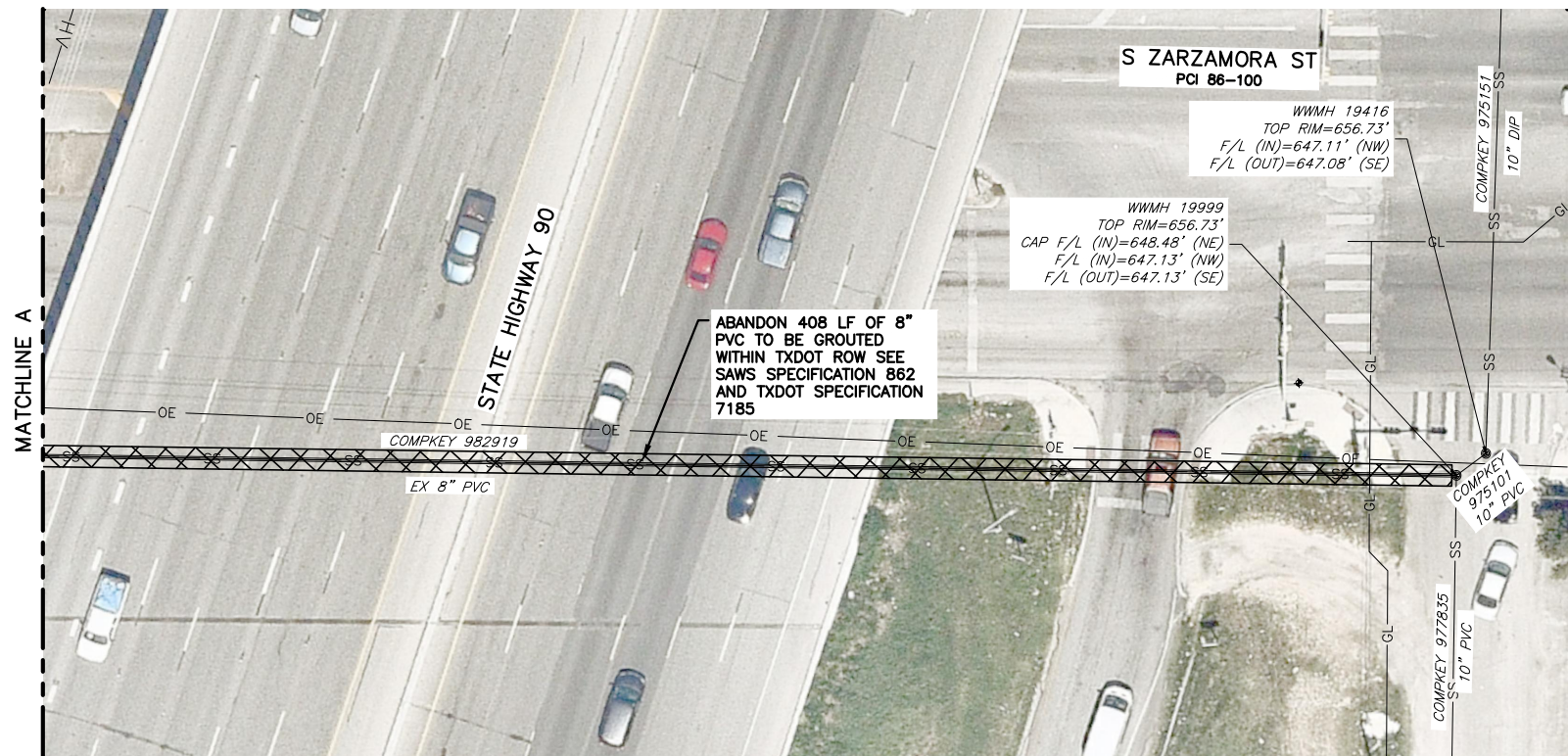
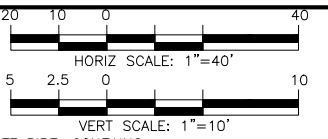
PROP 8" OPEN-CUT SANITARY SEWER - 129 LF

NEW COMPKY
 ABANDON COMPKY 982919
 SAWS BLOCK MAP 148568 AND 150568
 FRAN FRAN ST - PCI 86-100
 OM-3155, OM-5944, 13-4708 AND DJ-4314F

TRENCH EXCAVATION SAFETY PROTECTION:
 CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OF SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

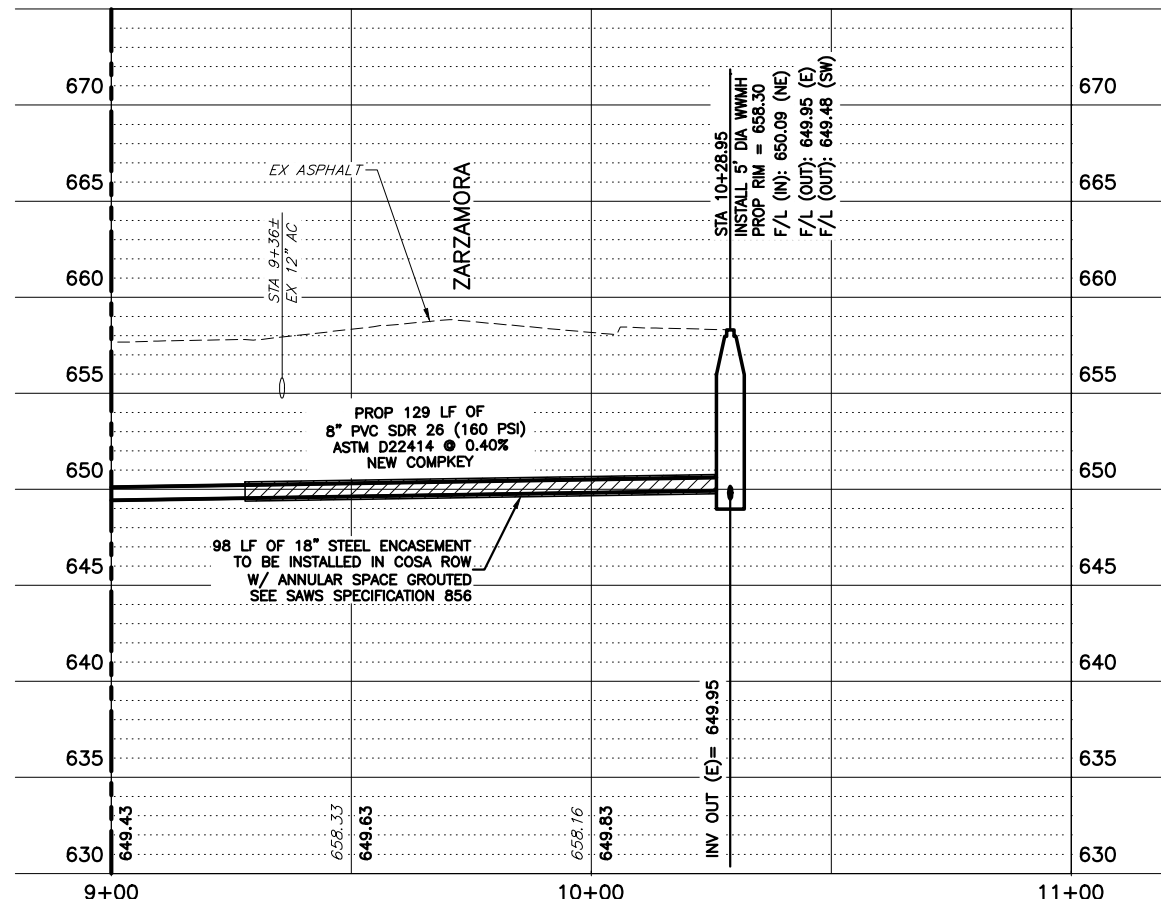
TEST HOLE #	UTILITY	SIZE & MATERIAL	NORTHING	EASTING	GROUND ELEVATION	TOP PIPE
316A	WATER	12 AC	13693101.45	2117959.77	657.78	N/A
316A.1	WATER	12 AC	13693101.45	2117960.58	657.78	N/A
316A.2	WATER	12 AC	13693101.83	2117955.18	657.91	654.77

- NOTES:**
- REFER TO G-006 & G-007 FOR ADDITIONAL NOTES.
 - ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE, CONTAINS ASBESTOS-CONTAINING MATERIAL (ACM) AND IS LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS ARE APPLICABLE WHEN HANDLING, REMOVING AND DISPOSING OF THIS PIPE. PAYMENT FOR SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM NO 3000. *SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE.*
 - CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED FOR BYPASS PUMPING PIPING AND EQUIPMENT, PER STANDARD TRAFFIC CONTROL DETAILS.
 - CONTRACTOR TO EXPOSE ALL CROSSING GAS SERVICE LATERALS (NSPI).
 - LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.



PROP ABANDONED 8" SANITARY SEWER

NEW COMPKY
 ABANDON COMPKY 982919
 SAWS BLOCK MAP 150568
 FRAN FRAN ST - PCI 86-100
 OM-3155, OM-5944, 13-4708 AND DJ-4314F



ITEM	DESCRIPTION	QUANTITY	UNITS
103.1	REMOVE CONCRETE CURB (COSA SPEC)	100	LF
103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	521	SF
203	TACK COAT (COSA SPEC)	79	GAL
205.4	HOT MIX ASPHALTIC CONCRETE PAVEMENT, TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	792	SY
206.1	ASPHALT TREATED BASE (ATB) (10" COMPACTED DEPTH) (COSA SPEC)	72	SY
208.2	SALVAGING HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	792	CY
413.1	FLOWABLE FILL (LOW STRENGTH) (COSA SPEC)	7	CY
500.1	CONCRETE CURB (COSA SPEC)	100	LF
502.1	CONCRETE SIDEWALKS (COSA SPEC)	58	SY
520.1	HYDROMULCHING	11	SY
535.2	4 INCH WIDE WHITE LINE (W/REFLECTORS) (COSA SPEC)	20	LF
535.3	8 INCH WIDE YELLOW LINE (COSA SPEC)	90	LF
550	TRENCH EXCAVATION SAFETY PROTECTION	129	LF
848	8" PVC SDR-26 (D2241) SEWER LINE (6'-10')	129	LF
852.6.1	SANITARY SEWER MANHOLE (0' - 8') 4' DIA	1	EA
852.6.2	EXTRA DEPTH MANHOLES (> 6')	3	VF
856.6	CASING OR LINER - STEEL CASING	98	LF
862	ABANDONMENT OF MANHOLE/STRUCTURES	1	EA
866	SEWER MAIN POST-TELEVISION INSPECTION (8" - 21" DIAMETER)	129	LF
1020	WATER MAIN BREAK/LEAK REPAIRS	1	EA
3000	HANDLING ASBESTOS CEMENT PIPE	13	LF
7185	GROUT ABANDONMENT OF 8" SANITARY SEWER MAIN (TXDOT SPEC)	408	LF

PLUMMER

12500 SAN PEDRO AVE STE 401 | SAN ANTONIO, TX 78216
 210.510.0888 | TPBE REGISTERED FIRM NUMBER F-13

NO. DATE

ADDENDUM 1

REVISION

BY

DESIGNED TTR

DRAWN BEB/MKM

CHECKED ADS

REVIEWED MP/CM

San Antonio Water System

BPC CENTRAL SMALL DIAMETER PACKAGE 4C
 SAWS JOB NO 20-4523

SANITARY SEWER LINE REHABILITATION PLAN
 SITE 316.C FRAN FRAN ST
 S CALAVERAS TO FRIO CITY RD

ALAN D. SWARTZ
 96711
 LICENSED PROFESSIONAL ENGINEER
 STATE OF TEXAS

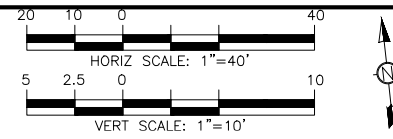
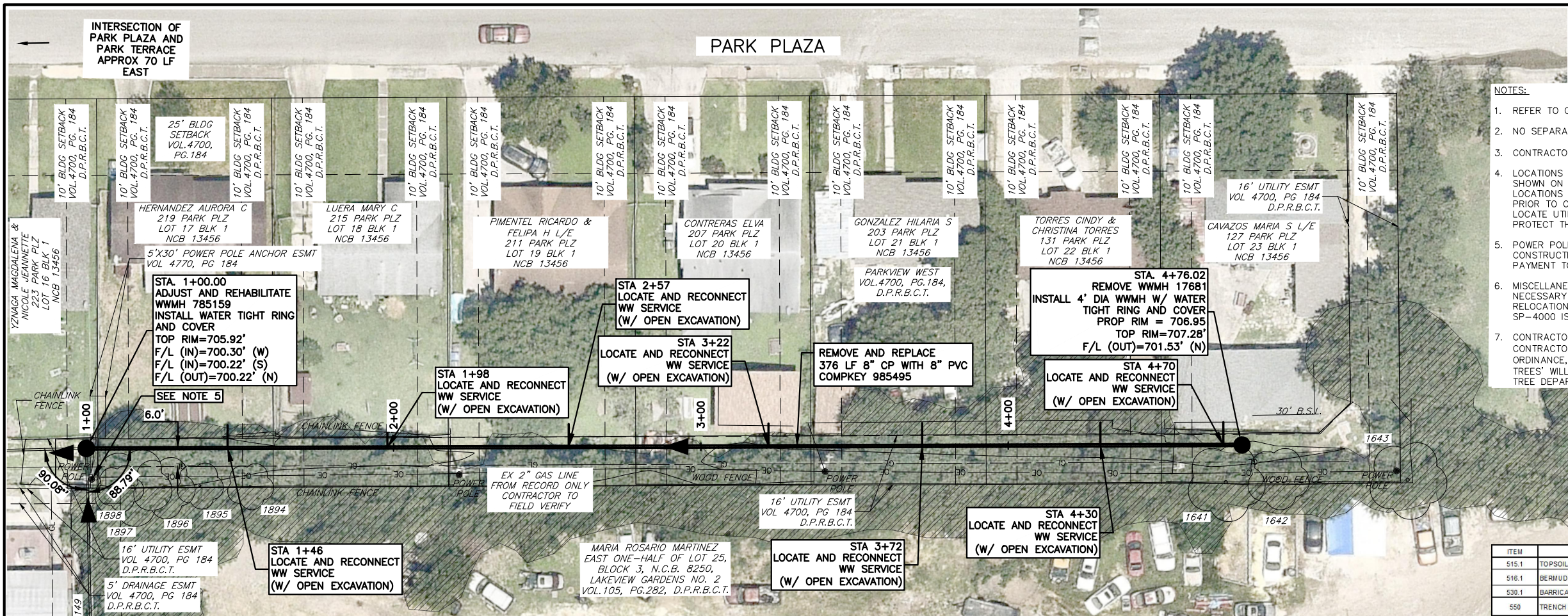
BAR IS ONE HALF INCH ON ORIGINAL DRAWING.

ONE HALF INCH

Seq. 39 of 90

Dwg. No. **C-316.C**

0535-015-01



- NOTES:**
- REFER TO G-006 & G-007 FOR ADDITIONAL NOTES.
 - NO SEPARATE PAY ITEM FOR ANY TREE REMOVAL.
 - CONTRACTOR TO EXPOSE ALL CROSSING GAS SERVICE LATERALS (NSPI).
 - LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
 - POWER POLE BRACING, SP-1000, TO BE UTILIZED AS NECESSARY DURING CONSTRUCTION. CONTRACTOR TO DETERMINE IF BRACING IS NEEDED. PAYMENT TO CONTRACTOR SHALL OCCUR IF SP-1000 IS UTILIZED.
 - MISCELLANEOUS STRUCTURE RELOCATION, SP-4000, TO BE UTILIZED AS NECESSARY DURING CONSTRUCTION. CONTRACTOR TO DETERMINE IF RELOCATION IS NEEDED. PAYMENT TO CONTRACTOR SHALL OCCUR IF SP-4000 IS UTILIZED.
 - CONTRACTOR TO REMOVE TREES WITHIN CONSTRUCTION AREA AS NEEDED. CONTRACTOR TO NOTIFY ENGINEER IF 'PROTECTED TREES' PER COSA TREE ORDINANCE, MAY 6, 2010, ARE IDENTIFIED FOR REMOVAL. 'PROTECTED TREES' WILL REQUIRE ADDITIONAL PERMITTING COORDINATION WITH COSA TREE DEPARTMENT PRIOR TO COMMENCING WORK.

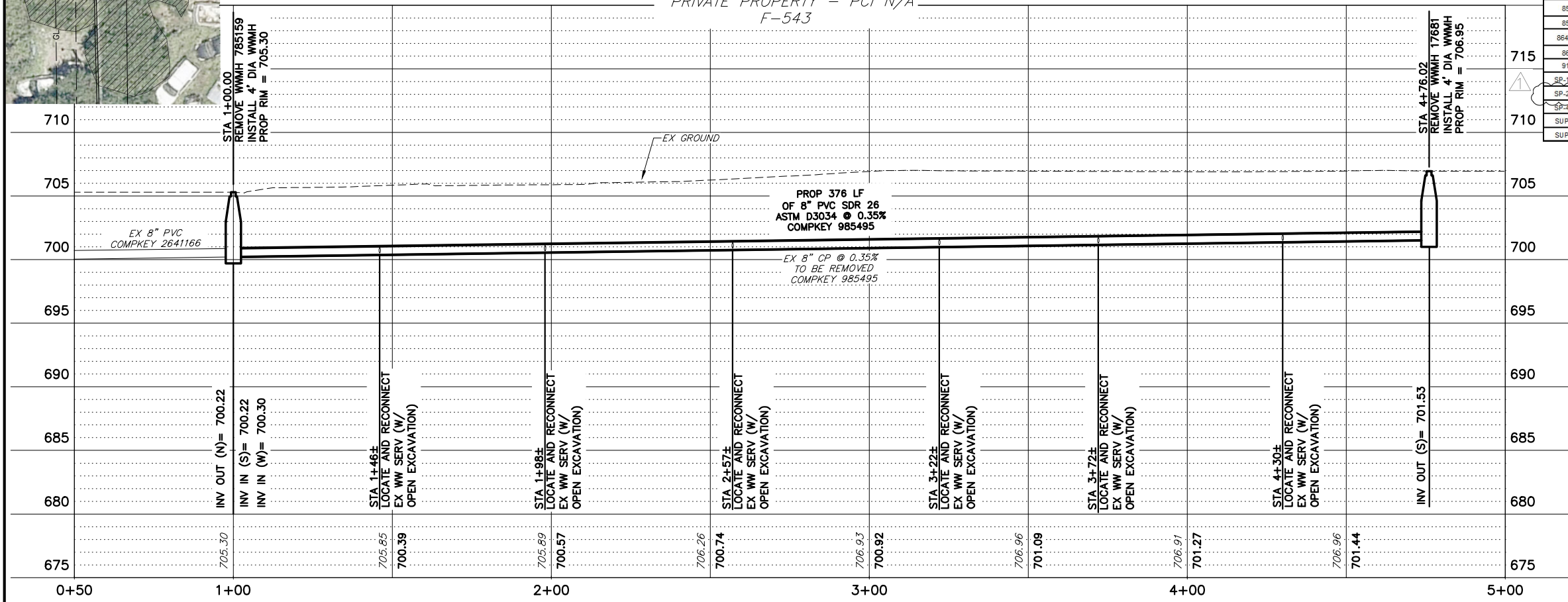
TREE TABLE

POINT NO	TAG NO	TREE SIZE	TREE TYPE	DRIP DIA
1028	1641	14"	LIG	25"
1029	1642	12"	HAK	20"
1030	1643	15"	LIG	25"
21574	1894	6"	HAK	15"
21575	1895	8"	HAK	15"
21576	1896	10"	HAK	20"
21577	1897	12"	HAK	25"
21578	1898	8"	TWNHAK	15"

ITEM	DESCRIPTION	QUANTITY	UNITS
515.1	TOPSOIL (COSA SPEC)	35	CY
516.1	BERMUDA SODDING (COSA SPEC)	209	SY
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE 324	1	LS
550	TRENCH EXCAVATION SAFETY PROTECTION	376	LF
801.2	LEVEL III PROTECTIVE FENCING (COSA SPEC)	376	LF
802.1	LEVEL I PRUNING, SOIL AMENDMENT, AND FERTILIZATION (COSA SPEC)	5	EA
804	TREE INSTALLATION	2	EA
848	8" PVC SDR-26 (D2241) SEWER LINE (0'-6")	376	LF
851	ADJUSTING EXISTING MANHOLES	1	EA
852.6.1	SANITARY SEWER MANHOLE (Ø-6") 4' DIA	1	EA
854	SANITARY SEWER LATERALS (SDR 26, ASTM D2241)	49	LF
854	TWO-WAY SANITARY SEWER CLEAN-OUT	7	EA
864-S1	BYPASS PUMPING - SMALL DIAMETER SEWERS - SITE 324	1	LS
886	SEWER MAIN POST-TELEVISION INSPECTION (Ø-21" DIAMETER)	376	LF
910	MANHOLE REHABILITATION	1	EA
SP-1000	UTILITY POLE BRACING	1	EA
SP-2010	REMOVAL AND REPLACEMENT OF FENCING	280	LF
SP-4000	MISC STRUCTURE RELOCATION	1	EA
SUP 1.1	TREE REMOVAL (Ø-16" DIA)	2	EA
SUP 1.2	TREE REMOVAL (17'-23" DIA)	1	EA

PROP 8" OPEN-CUT SANITARY SEWER - 376 LF

COMPKEY 985495
SAWS BLOCK MAP 136580
PRIVATE PROPERTY - PCI N/A
F-543



TRENCH EXCAVATION SAFETY PROTECTION:
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGNER/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OF SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

12500 SAN PEDRO AVE STE 401 | SAN ANTONIO, TX 78216
210.510.0888 | TBP REGISTERED FIRM NUMBER F-13

NO. DATE REVISION BY

11/01/21 ADDENDUM 1

BPC CENTRAL SMALL DIAMETER PACKAGE 4C
SAWS JOB NO 20-4523
SANITARY SEWER LINE REHABILITATION PLAN
SITE 324 PARK PLAZA (ALLEY)
PARK TERRACE TO W COMMERCE ST

11/01/2021
Alan D. Swartz

BAR IS ONE HALF INCH ON ORIGINAL DRAWING.
ONE HALF INCH

DESIGNED TTR
DRAWN BEB/MKM
CHECKED ADS
REVIEWED MP/CM

Seq. 45 of 90
Dwg. No. **C-324**

0535-015-01