

2023 SMP Package I (Refugio, Blaine St, Ward Ave) Solicitation Number: CO-00572 Job No.: 21-5054 (Water) & 21-5552 (Sewer)

ADDENDUM 1 September 14, 2022

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. Question: What is the anticipated award date?

Response: Contract will be taken to the November 1st, 2022 SAWS Board.

2. Question: Due to the scope of the work and the difficulty in obtaining material, will SAWS increase the days to 300 days for substantial completion?

Response: Time for material delays have already been factored into the original contract duration. However <u>full contract duration</u> will be increased from 242 calendar days to 272 calendar days.

3. Question: Will the owner allow for price adjustments when acts of god or "force majeure" events cause material prices to increase?

Response: SAWS does not recognize force majeure in our contracts.

CHANGES TO SPECIFICATIONS

- 1. Remove the Bid Proposal (BP-1–BP-3) in its entirety and replaced with attached. Bidders to note construction duration has been revised to 272 calendar days. Bidders shall use the revised Bid Proposal attached to this Addendum when submitting a bid for this project. Failure to use the revised Bid Proposal may result in the bid being found non-responsive.
- 2. Remove the Proposal Certification (PC-1) in its entirety and replaced with attached. Bidders to note construction duration has been revised to 272 calendar days.
- 3. Remove the Contract Agreement (CA-1–CA-2) in its entirety and replaced with attached. Bidders to note construction duration has been revised to 272 calendar days.
- 4. Remove the Special Conditions (SC-1-SC-3) in its entirety and replaced with attached. Bidders to note construction duration has been revised to 272 calendar days.
- 5. Included copy of CPS Energy Gas Relocation Plans for Ward Ave.

CHANGES TO THE PLANS

- Sanitary Sewer Plans Sheets 2, 6, and 10
 Summary of Revisions Added CPS Energy proposed gas line on Ward Ave. and added 20 L.F. of 24"
 Steel Casing and 8" Carrier Pipe
- 2. Water Plans Sheets 2, 4, 5, 10, and 11
 Summary of Revisions Updated SAWS General Notes, Added CPS Energy proposed gas line on Ward Ave. and revised the proposed water main alignment on Ward Ave. near intersection of Hackberry, updated estimated water quantities summary table, added proposed joint restraint length tables, and delineated limits of TxDOT and COSA right-of-way at intersection of Ward. Ave. and S. Pine St.

END OF ADDENDUM

This Addendum, including these two (2) pages, is 25 pages with attachments in its entirety.

Attachments: Bid Proposal (Signature Page & Bid Form) (3 pages)

Proposal Certification (1 page) Contract Agreement (2 pages) Special Conditions (3 pages)

CPS Energy Gas Plans WR 40532410 Ward Ave. (6 sheets)

Sanitary Sewer Plan Sheets (3 sheets)

Water Plan Sheets (5 sheets)

John T. Mooneyham, P.E. KCI Technologies Inc.

Project Name: 2023 SMP Package I (Refugio, Blaine St, Ward Ave) Solicitation No.: CO-00572

Job No(s): 21-5054 (WATER), 21-5552 (SEWER)

	ID		\sim		$\overline{}$	\sim	Λ	
D	IL)	ҡ	w	Р١	U	O	н	┖

	5.5	
PF	ROPOSAL OF	, a corporation
	partnership consisting of	
an	n individual doing businessas	
Pu as	HE SAN ANTONIO WATER SYSTEM: ursuant to Instructions and Invitation to Bidders, the undersigned proposes to furnish s specified and perform the work required for the project as specified, in accordan pecifications for the following prices in the bid proposal to wit:	
PI	LEASE 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	e Contractor herein acknowledges receipt of the following: Addendum No(s).	
ow	NER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBL	E BID.
and Pro	bidder offers to construct the Project in accordance with the Contract Documents to complete the Project within <u>272</u> calendar days after the start date, as set forth acced. The bidder understands and accepts the provisions of the contract Duidated damages of the project if not completed on time.	in the Authorization to
Con	mplete the additional requirements of the Bid Proposal which are included on the following pa	ges.
Sta	atement on President's Executive Orders	
	s your firm previously performed work subject to the President's Executive Orders Numbers 1 preceding similar executive orders (Numbers 10925 and 11114)? Yes \(\Boxed{\omega} \) No \(\Boxed{\omega}	1246 and 11375 or
Tex	kas Government Code Chapter 2274 Verifications	
(1)	Are you, Contractor, held or controlled by individuals who are citizens of China, Ira or a country designated by the Governor of the State of Texas pursuant to Texas Chapter 2274? Yes No	
(2)	Are you, Contractor, held or controlled by a company or other entity, including a go is owned or controlled by citizens of or directly controlled by the government of Ch Russia or a country designated by the Governor of the State of Texas pursuant Code Chapter 2274? Yes No	ina, Iran, North Korea,
(3)	Are you, Contractor, headquartered in China, Iran, North Korea, Russia or a coun Governor of the State of Texas pursuant to Texas Government Code Chapter 227 Yes No	

Rev. 091021

Project: 2023 SMP PACKAGE I (REFUGIO, BLAINE ST, WARD AVE) SAWS Job No: 21-5054 (WATER) & 21-5552 (SEWER) Date: 9/6/2022

Line No.	Item No.	Spec. No.	Item Description	Unit of Measure	Qty.	Unit Price	Total Price		
	WATER MAIN REPLACEMENTS AT BLAINE ST (WORK LOCATION #1) & WARD AVE (WORK LOCATION #2)								
1	1W	550	TRENCH EXCAVATION SAFETY AND PROTECTION	LF	2727				
2	2W	818	6" PVC C-900 WATER LINE	LF	52				
3	3W	818	8" PVC C-900 WATER LINE	LF	2657				
4	4W	822	CUSTOMER YARD PIPING	LF	50				
5	5W	824	RELAY 3/4" SHORT SERVICE	EA	34				
6	6W	824	RELAY 3/4" LONG SERVICE	EA	35				
7	7W	824	RELAY 1" SHORT SERVICE	EA	1				
8	8W	824	RELOCATE 3/4" SHORT SERVICE	EA	3				
9	9W	824	RELOCATE 3/4" LONG SERVICE	EA	1				
10	10W	824	NEW UNMETERED 3/4" SHORT SERVICE	EA	1				
11	11W	824	NEW UNMETERED 3/4" LONG SERVICE	EA	9				
12	12W	824	CUSTOMER SHUT OFF VALVE	EA	83				
13	13W	828	8" GATE VALVES	EA	11				
14	13W	833	NEW METER BOX	EA	83				
15	15W	833	EXISTING METER AND NEW METER BOX RELOCATION	EA	74				
16	16W	834.1	FIRE HYDRANT ASSEMBLY W/ GATE VALVE	EA	5				
17	17W	836	PIPE FITTINGS, ALL SIZES AND TYPES	TON	2.2				
18	18W	840	6" WATER TIE INS	EA	3				
19	19W	840	8" WATER TIE INS	EA	4				
20	20W	841	HYDROSTATIC TESTING	EA	4				
21	21W	844	2" BLOWOFF, TEMPORARY	EA	7				
22	22W	856	8" PVC CARRIER PIPE	LF	18				
23	23W	856	24" STEEL CASING PIPE (OPEN CUT)	LF	18				
24	24W	858	CONCRETE ENCASEMENT, CRADLES, SADDLES, AND COLLARS	CY	11				
25	25W	1015	SERVICE LINE BREAK/LEAK REPAIRS	EA	1				
26	26W	1020	MAIN BREAK/LEAK REPAIR (ALL TYPES AND SIZES)	EA	2				
27	27W	3000	REMOVAL, TRANSPORT, AND DISPOSAL OF AC PIPE	LF	208				
28	28W	3001	POLE BRACING	ALW	1	\$ 3,000.00	\$ 3,000.00		
29	29W	COSA 103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	237				
30	30W	COSA 103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	45				
31	31W	COSA 203.1	TACK COAT (0.1 GAL/SY) (COSA SPEC)	GAL	185				
32	32W	COSA 205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH) (COSA SPEC)	SY	1202				
33	33W	COSA 205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH) (COSA SPEC)	SY	1842				
34	34W	COSA 208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	380				
35	35W	COSA 413	FLOWABLE FILL (LOW STRENGTH) (COSA SPEC)	CY	58				
36	36W	COSA 500	CONCRETE CURB (COSA SPEC)	LF	237				
37	37W	COSA 502.1	CONCRETE SIDEWALKS (COSA SPEC)	SY	5				
38	38W	COSA 530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - BLAINE ST	EA	1				
39	39W		BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - WARD AVE	EA	1				
40	40W		4 INCH WIDE WHITE LINE (COSA SPEC)	LF	80				

Project: 2023 SMP PACKAGE I (REFUGIO, BLAINE ST, WARD AVE)
SAWS Job No: 21-5054 (WATER) & 21-5552 (SEWER)
Date: 9/6/2022

Line No.	Item No.	Spec. No.	Item Description	Unit of Measure	Qty.	Unit Price	Total Price
			SANITARY SEWER REPLACEMENTS AT REFUGIO ST (WORK LOCATION #3) & WARD AV	E (WORK LO	OCATION #2)		
41	1S	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1090		
42	2S	848	8" PVC SANITARY SEWER LINE, SDR 26, 160 PSI (ALL DEPTHS)	LF	1070		
43	3S	852	SANITARY SEWER MANHOLE (0' - 6')	EA	5		
44	4S	854	SANITARY SEWER LATERALS	LF	609		
45	5S	854	TWO-WAY SANITARY SEWER CLEAN-OUT	EA	34		
46	6S	856	STEEL CASING 24" (OPEN-CUT)	LF	20		
47	7S	856	8" PVC SANITARY SEWER LINE, SDR 26, 160 PSI CARRIER PIPE	LF	20		
48	8S	858	CONCRETE ENCASEMENTS, CRADLES, SADDLES, AND COLLARS	CY	72		
49	9S	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) (REFUGIO ST)	EA	1		
50	10S	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) (WARD AVE)	EA	1		
51	11S	866	SEWER MAIN PRE-TELEVISION INSPECTION	LF	1102		
52	12S	866	SEWER MAIN POST-TELEVISION INSPECTION	LF	1090		
53	13S	3001	POLE BRACING (SEWER)	ALW	1	\$ 3,000.00	\$ 3,000.00
54	14S	COSA 103.1	REMOVE CONCRETE CURB (< 700 LF)	LF	267		
55	15S	COSA 103.3	REMOVE SIDEWALKS AND DRIVEWAYS (< 1,000 SF)	SF	963		
56	16S	COSA 103.4	REMOVE MISCELLANEOUS CONCRETE	SF	386		
57	17S	COSA 200.1	FLEXIBLE BASE (6" COMP DEPTH) (TYPE A) (COSA SPEC)	SY	43		
58	18S	COSA 203.1	TACK COAT (COSA SPEC)	GAL	116		
59	19S	COSA 205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH) (< 10,000 SY) (COSA SPEC)	SY	500		
60	20S	COSA 205.3	HOT MIX ASPHALTIC PAVEMENT TYPE C (3" COMP DEPTH)	SY	310		
61	21S	COSA 205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH) (<1,000 SY) (COSA SPEC)	SY	837		
62	22S	COSA 208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	250		
63	23S	COSA 208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH) (COSA SPEC)	SY	310		
64	24S	COSA 209.1	CONCRETE PAVEMENT (6" DEPTH) (COSA SPEC)	SY	43		
65	25S	COSA 413.1	FLOWABLE FILL (LOW STRENGTH)	CY	36		
66	26S	COSA 500.1	CONCRETE CURB (< 1,000 LF)	LF	267		
67	27S		CONCRETE SIDEWALKS (< 150 SY)	SY	48		
68	28S	COSA 503.1	PORTLAND CEMENT CONCRETE DRIVEWAY (< 100 SY)	SY	59		
69	29S		CONCRETE RETAINING WALLS (COMB. TYPE) (< 20 CY)	CY	0.2		
70	30S		BARRICADES, SIGNS AND TRAFFIC HANDLING (REFUGIO ST) (SEWER)	EA	1		
71	31S		BARRICADES, SIGNS AND TRAFFIC HANDLING (WARD AVE) (SEWER)	EA	1		
72	32S	COSA 535.1	4 INCH WIDE YELLOW LINE (<100,000 LF)	LF	20		
73	33S		4 INCH WIDE WHITE LINE (< 30,000 LF)	LF	30		
74	34S		PAVEMENT MARKER (TYPE I-C)	EA	2		
75	35S		PAVEMENT MARKER (TYPE II A-A)	EA	4		
				l		I	
76	1	100	MOBILIZATION (10% MAX)	LS	1		
77	2	101	PREPARING RIGHT-OF-WAY (5% MAX)	LS	1		
78	3	102.1	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (WATER)	EA	1		
79	4	102.1	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (SEWER)	EA	1		
80	5	102.2	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL	DAY	15		
81	6	102.3	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING FUEL	DAY	15		
82	7	102.4	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING WATCH	DAY	15		
			The limited to a maximum 10% of the Line Item "1-75" Sub-total Base Bid amount Preparing Right-of-Way lumn sum bid shall be limited to	l .	l .	I	l

Mobilization lump sum bid shall be limited to a maximum 10% of the Line Item "1-75" Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Item "1-75" Sub-total Base Bid amount. The Line Item "1-75" Sub-total Base Bid amount shown for Mobilization and Item 101, Preparing Right-of-Way. In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization and Preparation of ROW bid items the written percentage will govern. If the percentage written exceeds the allowable maximum stated for mobilization and or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.

GRAND TOTAL WATER	
& SEWER BID PRICE	
(TO INCLUDE LINE ITEMS 1-82)	

PROPOSAL CERTIFICATION

Accompanying this proposal is a Bid Bond or Cer System for	tified or Cashier's Check payable to the Order of the San An	
which amount represents five percent (5%) of the the proposal is accepted and the bidder fails to ex Contract, in which case the check shall become the as payment for damages due to delay and other i	total bid price. Said bond or check is to be returned to the becute and file a contract within 10 calendar days after the ane property of said San Antonio Water System, and shall be inconveniences suffered by said San Antonio Water System San Antonio Water System reserves the right to reject any and said San Antonio Water System reserves the right to reject any and said San Antonio Water System reserves the right to reject any and said San Antonio Water System reserves the right to reject any and said San Antonio Water System reserves the right to reject any and said San Antonio Water System reserves the right to reject any said San Antonio Water Syste	oidder unless award of the e considered in due to the
and award of the contract to the undersigned by the System Contract Documents and make Performation calendar days after the award of the Contract to set to insure and guarantee the work until final contract.	oposal within <u>60</u> calendar days after the bid opening. Upor the Owner, the undersigned shall execute standard San An nce and Payment Bonds for the full amount of the contrac- ecure proper compliance with the terms and provisions of impletion and acceptance, and the guarantee period stipul- performed and materials furnished in the fulfillment of the	tonio Water ct within 10 the contract, ated, and to
It is anticipated that the Owner will provide wr contract.	itten Authorization to Proceed within 30 days after the a	ward of the
	ace on the date indicated in the SAWS written Authorization ence prior to the date provided for in the SAWS issued in full within <u>272</u> consecutive calendar days.	
	ce with "Wage and Labor Standard Provisions" of this cont at of equipment rental rates whether owned or leased durin	
	al the undersigned certifies that bidder's practices and pol n, sex or national origin and that the bidder will affirmative ces.	
Signed:		
	Company Representative	
	Company Name	
	Address	
Please return bidder's check to:		
	Company Name	
	Address	

CONTRACT

CO-00572 21-5054 (WATER), 21-5552 (SEWER)

STATE OF TEXAS § COUNTY OF BEXAR §

KNOW ALL MEN BY THESE PRESENTS:

That this Agreement made and entered into this <u>«Board_Date»</u> day of <u>«Board_Month»</u>, A.D, <u>«Board_Year»</u>, by and between THE SAN ANTONIO WATER SYSTEM BOARD OF TRUSTEES, hereinafter called THE SAN ANTONIO WATER SYSTEM, COUNTY OF BEXAR, STATE OF TEXAS, Acting through its Contracting Officer, First Party, hereinafter termed the Owner, and <u>«Company_Name»</u>, of the City of <u>«City»</u>, County of <u>«County»</u>, State of <u>«State_»</u>, Second Party, hereinafter termed the Contractor.

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned to be made and performed by said First Party, (Owner), the said Second Party, (Contractor), hereby agrees with the First Party to commence and complete the construction of certain improvements in the amount of <u>«Written Contract Amt» Dollars «Formatted Price»</u>, for the San Antonio Water System Job No(s). <u>«Bid Opening Date»</u>, dated <u>«Bid Opening Date»</u>, the same being designated as San Antonio Water System Project <u>2023 SMP Package I (Refugio, Blaine St, Ward Ave)</u>.

The Contractor shall perform all work shown on the Plans and described Specifications and shall meet all requirements of this Agreement, The General and Special Conditions of the Agreement; and such Orders and Agreements for Extra Work as may subsequently be entered by the above named parties to this Agreement.

The Contractor shall not offer, confer, or agree to confer any benefit or gift to any San Antonio Water System employee and Water System employees are prohibited from soliciting, accepting or agreeing to accept any gifts from outside sources; please see Section M. – Gifts or Benefits of the Water System's Code of Ethical Standards. Section M of the Water System's Code of Ethical Standards regarding Gifts or Benefits is available on the SAWS Business Center website.

The Contractor hereby agrees to commence work under this Contract on the date indicated in the SAWS written Authorization to Proceed. Under no circumstances shall the work commence prior to the Contractor's receipt of SAWS issued, written Authorization to Proceed. Computation of Contract Time will begin on the construction start date as indicated on the written Authorization to Proceed. All work specified in these Contract Documents shall be completed within __272__ calendar days from the construction start date indicated on the written Authorization to Proceed.

It is agreed and understood by the Owner and the Contractor that the provisions of Chapter 252, Texas Local Government Code, and/or Chapter 2269, Texas Government Code (as amended) apply to this contract. As applicable, the terms of the aforementioned state law are incorporated herein by reference. Contractor and Owner agree that pursuant to state law, Owner authorizes its duly designated administrative officer (Contracting Officer) to negotiate change orders up to and including the amount of \$100,000.00. It is also agreed and understood that any change orders which increase the cost of the work provided under the contract in excess of 25% of the original contract price are prohibited. The cost of the work provided under the contract may be decreased over 25% of the original contract price with the consent of the Contractor.

The Owner agrees to pay the Contractor in current funds, and to make payments on account, for the performance of the work in accordance with the Contract, at the prices set forth in the Contractor's Proposal, subject to additions and deductions, all as provided in the General Conditions of the Agreement.

The following documents, together with this Contract, comprise the Agreement, and they are as fully a part thereof as if herein repeated in full:

The Invitation to Bidders or Invitation for Competitive Sealed Proposals

The Instructions to Bidders or Instructions to Respondents

The Supplementary Instructions to Respondents (if applicable)

The Bid Proposal or Price Proposal

The Payment Bond

The Performance Bond

The General Conditions of the Contract

The Special Conditions of the Contract

The Supplemental Conditions of the Contract

The Construction Specifications

The Standard Drawings

Addenda

Change Orders

Good Faith Effort Plan

The Plans, designated San Antonio Water System Project 21-5054 (WATER), 21-5552 (SEWER); 2023 SMP Package I (Refugio, Blaine St, Ward Ave).

In witness thereof of the Parties of these presents have executed this Agreement in the year and day of first above written.

The individuals executing this Contract each represent and warrant to the other party that he/she has full authority to execute this Contract on behalf of his/her respective party.

SAN ANTONIO WATER SYSTEM BOARD OF TRUSTEES, OWNER

By		
•	«Contracting_Director»	
	Director - Contracting	
Date:		
By		
	Contractor	
By		
•	(Signature)	
	(Print/Type Name)	
Title		
Date:		

CA-2 Rev. 02/14/2019

Special Conditions

SC 1.0 - PROJECT REQUIREMENTS

Contractor shall submit a completion report to SAWS when construction is completed. The completion report shall include but not limited to the following:

Pre and post MPEG-1 format and written to CD/DVD video and video logs.

Any test and/or submittals specified in this contract documents such as density tests, structural properties, etc. that are required.

SC 1.1 - PERFORMANCE TIME

PROJECT LOCATIONS: There are <u>Three</u> (3) Project Locations as part of this construction package: Blaine St (From N Palmetto to N New Braunfels) (Project Location #1), Ward Ave (From S Hackberry St to Pine St) (Project Location #2) and Refugio (From Catherine St to Matagorda St) (Project Location #3) are each identified as a "Project Location".

- I. Multiple project locations shall be under construction concurrently. Final completion of all locations shall be achieved in <u>272</u> calendar days. Project locations may be completed in any order at Contractor's discretion. Order of construction shall be reflected in project detailed baseline schedule.
- II. After substantial completion has been achieved, final completion must be completed within 20 calendar days. The Contractor is required to provide the SAWS Inspector and the Engineer final redlines before the project can qualify for final completion. Substantial completion is when all water and sewer work has been completed, tested, and the water and sewer system has been accepted for service for both of the sites. Final completion is declared when the final punch-list is approved by SAWS, all infrastructure is in the ground, and final pavement and surface restoration is completed and associated permits inspected by permitting entity representative (inspectors) and closed.

SC 1.2 - SPECIFICATIONS

All work performed shall be in accordance with the Contract Documents and the current San Antonio Water System Specifications for Water and Sanitary Sewer Construction, these Special Conditions, the current Texas Department of Transportation Standard Specification for Construction of Highways, Streets, and Bridges, the current City of San Antonio Standard Specifications for Public Work Construction, City of San Antonio Utility Excavation Criterial Manual, or specifications and requirements of any other governing jurisdiction that may apply.

SC 1.3 - PAYMENT

I. As specified in the Contract Documents unit price cost for the items bid shall include all the necessary and incidental work as subsidiary to the bid item, unless specifically called out in the plans or approved by SAWS. Pay items indicating no separate or

additional pay for incidental, related, associated or other work will take precedence if in conflict with other pay provisions. If no pay item is included for any stipulated item, it will be considered as subsidiary to other pay items.

- II. It is the Contractor's responsibility for the preparation, research, submittal and layout of the site specific submittals, including the Storm Water Pollution Prevention Plan, Traffic Control Plan, the Bypass Pumping Plan, and its approvals at no cost to SAWS. If no pay item is included for any stipulated item, it will be considered as subsidiary to other pay items. The Tree Preservation Protection Permit(s) are obtained by the Engineer during design finalizing. The contractor shall follow permit requirements and there will be no measurement or payment associated with the Tree Permit, unless otherwise noted. If applicable, there will be no measurement or payment for the Storm Water Pollution Prevention Plan or work.
- III. There will be no measurement or payment for insurance; bonding; and permitting costs on this contract. There will be no separate payment for temporary or permanent fencing, with all related costs included in the item to which it pertains. Clearing and grubbing or tree pruning will be paid under Item 101 Preparing Right-of-Way, as noted in the contract documents.

CONSENT DECREE NOTICE PROVISION

The San Antonio Water System ("SAWS"), the United States of America and the State of Texas have entered into a Consent Decree in Civil Action No. 5:13-cv-00666- DAE, United States of America and State of Texas v. San Antonio Water System, in the United States District Court for the Western District of Texas, San Antonio Division (the "Consent Decree"). A copy of the Consent Decree is available at

https://apps.saws.org/infrastructure/epa/docs/20131015 SAWS EPA FinalDecree.pdf

Work performed pursuant to this contract is work that SAWS is required to perform pursuant to the terms of the Consent Decree. In the event of any conflict between the terms and provisions of this Consent Decree Notice Provision and any other terms and provisions of this Contract or the Contract Documents, the terms and provisions of this Consent Decree Notice Provision shall prevail.

A. Retention of documents.

Contractor shall retain and preserve all non-identical copies of all documents, reports, research, analytical or other data, records or other information of any kind or character (including documents, records, or other information in electronic form including, but not limited to e-mails) in its or its sub-contractors' or agents' possession or control, or that come into its or its sub-contractors' or agents' possession or control, and that relate in any manner to this contract, or the performance of any work described in this contract (the "Information"). This retention requirement shall apply regardless of any contrary corporate or institutional policy or procedure

or legal requirement. Contractor, Contractor's sub-contractors and agents shall retain and shall not destroy any of the Information until such time as Contractor has received written approval from the General Counsel of SAWS that the Information or any part of the Information may be destroyed. Contractor shall, within 30 days after receipt of a written request by SAWS, deliver the Information to SAWS. Contractor shall instruct and require its agents and sub-contractors performing any part of the work described in this contract to comply with the requirements of this paragraph.

B. <u>Notification of events that may cause delay.</u>

If any event occurs that may delay performance by Contractor, or Contractor's agents or sub-contractors of any work or obligation of any kind under this contract, Contractor shall provide notice in accordance with the Notice Provisions of this contract to SAWS within two (2) business days of the date Contractor or Contractor's agents or sub-contractors first knew that the event might cause a delay. Contractor shall provide a written explanation and description of the reasons for the delay, the anticipated duration of the delay, all actions taken or to be taken to prevent or minimize the delay, and a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay. **TIME IS OF THE ESSENCE** in the performance of the requirements of this paragraph and of any work to be performed by the Contractor in this contract.

C. <u>Liability for stipulated penalties.</u>

The Consent Decree provides that the United States of America, the United States Environmental Protection Agency and the State of Texas may assess stipulated penalties against SAWS upon the occurrence of certain events. To the extent that Contractor or Contractor's agents or sub-contractors cause or contribute to, in whole or in part, the assessment of any stipulated penalty against SAWS, Contractor agrees that it shall pay to SAWS the full amount of any stipulated penalty assessed against and paid by SAWS that is caused or contributed to in whole or in part by any action, failure to act, or failure to act within the time required by any provision of this contract. Contractor shall also pay to SAWS all costs, attorney fees, expert witness fees and all other fees and expenses incurred by SAWS in connection with the assessment or payment of any such stipulated penalties, or in contesting the assessment or payment of any such stipulated penalties. In addition to any and all other remedies to which SAWS may be entitled at law or in equity, Contractor expressly authorizes SAWS to withhold all amounts assessed and paid as stipulated penalties, and all associated costs, fees, or expenses from any amount unpaid to Contractor under the terms of this contract, or from any retainage provided in the contract.

Rev. 10/10/2019 SC-3 Addendum 1

Test Medium: Air / Nitrogen / Gas Minimum Test Pressure: 90 PSIG Minimum Test Duration: 1 Hour Test Duration: CPS Inspector:

Test Pressure:

Segment Tested:

Tested By:

General Notes

- 1. All proposed gas mains are to be installed at 5'-0" of cover unless otherwise noted on the sketch, indicated on the Location Data Table, or as directed by the CPS Inspector or Field Representative. All proposed gas services are to be installed at the elevations indicated on the Location Data Table or as directed by the CPS Inspector or Field
- All services labeled with an "R" are to be rerun from main to meter and services labeled with a "R1" are to be rerun from main to 1' inside the property line. From main to 1' inside the property line, the services are to be installed at the elevation indicated on the Location Data Table. For services labeled with a "T", the existing service is to be tied over to the new main and services labeled with an "A" are to be abandoned.
- 3. Gas main is to be abandoned in sections no longer than 300 feet. Each section is to be purged of gas with compressed air, and then the ends are to be sealed with concrete. All abandoned services are to be plugged. All valve boxes on abandoned mains are to be removed.
- 4. If the general contractor requires temporary tie-ins that are not shown on the CPS Energy sketch due to project phasing or to accommodate this project in any way, this work will be done at the general contractor's expense. General Contractor will also be responsible for all costs associated with power pole bracing whenever bracing is required for the installation of proposed gas facilities.
- 5. The locations of underground utilities indicated on the job sketch are taken from the best records available and are not guaranteed to be accurate. Foreman/Contractor shall verify location and depth of all existing utilities, whether shown on the plans or not, and shall be responsible for the protection of existing utilities during construction. Foreman/Contractor shall notify 811 for all utility locates and maintain an open ticket for the duration of the gas work.
- 6. Gas valves and underground gas facility access points should remain accessible at all times. Contractor must notify John Offer with CPS Energy at (210) 353-2012 at least 48 hours prior to construction in order to adjust existing valve covers or access points within the proposed area of construction.
- Value of accordance with the Texas Administrative Code Title 30, Part 1, Ch. 305 and in compliance with the Clean Water Act, 33 U.S.C. 1251, for projects that will disturb 5 or more acres of land or will disturb less than 5 acres of land but is part of a common plan of development that will ultimately disturb 5 or more acres, the General Contractor is responsible for submitting the Notice of Intent (NOI) through the Texas Commission on Environmental Quality (TCEQ) Electronic State of Texas Environmental Electronic Reporting System (STEERS) and pay permit fee. The General Contractor will need to ensure Sub-Contractor compliance under TCEQ Construction General Permit requirements. NOI must be certified prior to earth disturbing activities, in accordance with Texas Pollutant Discharge Elimination System (TPDES) TCEQ Construction General Permit. Permit becomes active the same day that the NOI is certified.
- 8. All gas facilities will require proper connection for cathodic protection and locating purposes as indicated by CPS. Call Corrosion Control at 353-3237 prior to installing, adjusting, or abandoning gas lines and before connecting or disconnecting wires to any CPTLB.
- 9. All new polyethylene gas services and mains are to be joined by butt fusion. Compression couplings shall not be used on new gas line construction.
- 10. TRENCH EXCAVATION PROTECTION: Contractor and/or Contractor's independently retained employee or structural design/geotechnical/ safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation site(s) in order to develop the Contractor's plans to implement the project described in the Contract Documents. The Contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, OSHA standards for trench safety consultant shall develop and implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.
- 11. The Contractor is hereby notified that all coal tar pipe coating and asphaltic pipe insulation is assumed to contain non-friable asbestos materials. The Contractor must follow all requirements in OSHA 1926.1101 to protect workers when removing the coating materials. The coal tar/asphaltic pipe insulation coating shall be removed using wet methods. All removed coal tar pipe coating and asphaltic pipe insulation must be gathered, contained in 6-mil polyethylene sheeting, sealed with tape and delivered to the CPS Energy Mission Road Construction Center at 613 Mission Road, 78210. These requirements must be followed unless otherwise noted on the plans.
- 12. In accordance with 49 CFR 192.383 & 192.385, The operator shall install either a manual service line shut-off valve or, if possible, based on sound engineering analysis and availability, an EFV for any new or replaced service line with installed meter capacity exceeding 1,000 SCFH . An EFV shall also be installed for all services operating at 10 PSIG or greater and having a total meter capacity of 1,000 SCFH or less.
- 13. When casing is used, the casing pipe ends shall be sealed to protect the gas main or service pipe from damage after insertion. Additionally, the leading end of gas main or service pipe shall be closed before inserting into casing pipe.
- 14. Pipe supports must be installed to prevent external loading on plastic pipe when anodeless risers are utilized for regulator stations. The risers must also be installed with appropriate measures to resist lateral movement.

UTILITY LOCATING REQUIREMENTS

- 1. Call 811 to request utility locates at least two working days (excluding weekends and holidays) prior to excavating.
- . Contact water and sewer utilities directly to request utility locates prior to excavating. Request for locates shall be submitted within the time frame required by the utility.
- . Call 811 to request emergency gas utility locates.
- Contact TxDOT and Railroad directly, in addition to 811 and water/sewer utilities, to coordinate utility locates within TxDOT or Railroad right-of-way.
- Utility locate markings should remain visible throughout the duration of excavation activities.

Pressure Test



The 90 P llines with

Construction

Points

From

To

2

Install

Length

1,194'

1,194

MAOP

33 psig

Pipe

Size

2PA

Install

Total 2PA

SIG an N	oressure test applies to all MAOP of 59 and below.	

Construction				
Contractor	_ No.	Drawing Revision	Date	Checked By:
Center	_ _	DI ANNUNO COMPLETED	0.4.00	1
Ву	_["	PLANNING COMPLETED	8-4-22	
Start Date				Approved By:
Comp. Date	_ _			
CPS Inspector				

Civic Improvement Project

Contract Exhibit SKT-2

SWPPP General Notes:

- 1. A STORM WATER PERMIT IS ACTIVE FOR THIS CONSTRUCTION SITE. CONTRACTOR SHALL CONTACT BRANDON BAXTER OF STORMCON AT (210)771-1221 BRANDON@STORMCON.US AND ANY OTHER SWPPP INSPECTOR LISTED ON THE PROJECT EPIC SHEET AT LEAST 48-HOURS PRIOR TO ANY SOIL DISTURBANCE.
- 2. Do not disturb vegetated areas (trees, grass, weeds, brush, etc.) any more than necessarv for construction.
- 3. Storm Water Pollution Prevention Controls may need to be modified in the field to accomplish the desired effect. All modifications are to be noted on the SWPPP and signed and dated by the responsible party.
- . Restrict entry and exit to the project site to designated locations by use of adequate fencing, if necessary.
- All Storm Water Pollution Prevention Controls are to be maintained and in working conditions at all times
- 6. For a complete listing of Temporary Storm Water Pollution Prevention Controls refer to the NPDES Storm Water Pollution Prevention Plan (SWPPP).
- Construction entrance / exit location, and construction equipment and material
- Storm water pollution prevention structures should be constructed within the site boundaries. Some of these features may be shown outside the site boundaries on this
- As soon as practical, all disturbed soil that will not be covered by impervious cover such as parkway areas, easement areas, embankment slopes, etc. will be stabilized per project specifications.
- 10. Upon completion of the project, including site stabilization, and before final payment is issued, the contractor shall remove all sediment and erosion control measures, paying special attention to rock berms in drainage features.
- 11. CONTRACTOR SHALL PERFORM PRE-CONSTRUCTION SITE MEETING WITH CPS ENERGY REPRESENTATIVES PRIOR TO ANY SOIL DISTURBANCE TO DISCUSS COORDINATION FOR SWPPP AND ANY REQUIRED ENVIRONMENTAL OR CULTURAL MONITORING REQUIREMENTS. CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO CPS ENERGY GAS INSPECTIONS OFFICE ONCE THE 48-HOUR NOTICE FOR THE PLANNED CONSTRUCTION START DATE HAS BEEN PROVIDED TO STORMCON OR ANY OTHER SWPPP INSPECTOR.

Abandon

Length

723'

422'

723'

422'

Map Quadrants

Pipe

Size

4

Abandon

Date Approved Designed By

Total 2

Total 4

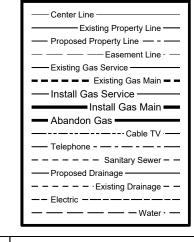


Location Map

NTS

Project Notes

- All R.O.W. acquisition/clearing and OHE pole relocations must be completed before gas adjustments. Contractor will be responsible for all coordination and costs associated with power pole bracing where necessary for the installation of gas facilities.
- 2. Contact Dee Loving of CPS Energy by email at least 48-hours prior to all gas main tie-ins to request pressure control operation plan. A minimum two-week notice must be submitted prior to performing tie-ins on any supply-pressure gas mains.
- . Contractor will be responsible for all costs associated with removing abandoned utilities or structures that conflict with the installation of proposed gas facilities
- Contact Dee Loving of CPS Energy to locate all non-stock materials listed on the Material Summary Tables.



Legend



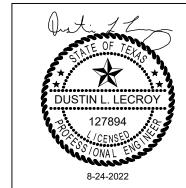
Phone: 512-942-6232 | Job Title

G-0315

DUSTIN LECROY

X = 2136184

Y= 13687303



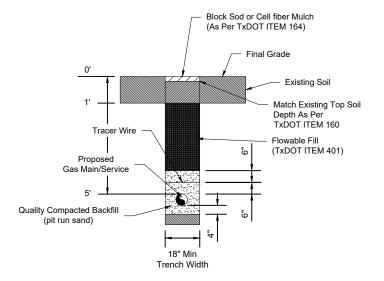
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DUSTINI LECROY P.E. #127894 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES. 1201 NORTH BOWSER, RICHARDSON TEXAS 75081. TBPELS ENGINEERING FIRM #312

CPS ENERGY P.O. BOX 1771 SAN ANTONIO, TX 78296

WARD AVE - S. HACKBERRY TO S. PINE

Job No

40532410



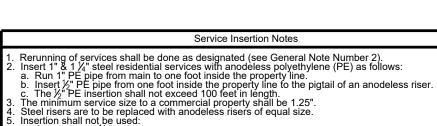
Trench Detail For Earth Excavation Only > 10' From Curb

Trench Detail For Earth Excavation Only < 10' From Curb

4" HMA Pavement (Type D) (TxDOT ITEM 340) 10" HMA TYPE B (TxDOT ITEM 340) Saw Cut Existing Base Saw Cut **Existing Asphalt** (TxDOT ITEM 401) Tracer Wire Proposed Gas Main or Casing Quality Compacted Backfill (pit run sand) 18" Min

Trench & Backfill Detail Under Pavement

Trench Width



Ihe minimum service size to a commercial property shall be 1.25".
 Steel risers are to be replaced with anodeless risers of equal size.
 Insertion shall not be used:

 On services 1½" or larger.
 On services to a manifold the serves, or has the potential to serve, more than one meter.
 On services running a 30 Lt. meter or larger.

 Any variance from the above standards should be approved by Gas Engineering.
 Installation of EFVs or manual valves shall be performed in accordance with 49 CFR 192.383 & 192.385.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DUSTIN L. LECROY P.E. #127894. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES. 1201 NORTH BOWSER, RICHARDSON, TEXAS 75081. TBPELS ENGINEERING FIRM #312

Job No.

40532410

DUSTIN L. LECRO

8-24-2022

							I BPELS FIRIVI #F-312	
Г	lo. Drawing Revision	Date	Checked By: Date Approved	Designed By: Phone:	: 512-942-6232 Job	Title		
	D PLANNING COMPLETED	8-4-22		DUSTIN LECRO	YC	WARD AVE - S	. HACKBERRY TO S. PIN	E
			Approved By: Date Approved	Map Quadrants 168-562 X=2136184	Project No.	CF	'S ENERGY	
				Y= 13687303	G-0315	SAN	P.O. BOX 1771 ANTONIO, TX 78296	



EXAMPLE

POINT SPAN	PIPE PRINT LINE DATA (EXAMPLE SHOWN)	LENGTH	TEST MEDIUM	TEST DURATION	TEST PRESSURE	CPS INSPECTOR	TESTED BY	DATE
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
	IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513							
1 to 2	2" IPS DR 11 Yellowstripe 8300 GAS PE3408/4710-PE100 CEE ASTM D2513 WT015 Y NR 0356 A1-043 27Jul06 coil#0152	1,200	Air	1 hour	90 psig	Inspector Name	Foreman or Contractor Name	5/31/20

POINT SPAN		WELD / FUSE INSPECTION VE	ERIFICATION	INSPECTOR COMMENTS
	INSPECTOR NAME:	INSPECTOR SIGNATURE:	DATE:	
	INSPECTOR NAME:	INSPECTOR SIGNATURE:	DATE:	
	INSPECTOR NAME:	INSPECTOR SIGNATURE:	DATE:	
	INSPECTOR NAME:	INSPECTOR SIGNATURE:	DATE:	
	INSPECTOR NAME:	INSPECTOR SIGNATURE:	DATE:	
	INSPECTOR NAME:	INSPECTOR SIGNATURE:	DATE:	

NOTE: Signatures above confirm plastic fuses were thoroughly inspected by authorized and qualified CPS Energy representative(s) in accordance with CPS Energy and regulatory compliance requirements.

NOTE: Construction personnel shall make any changes necessary to the pre-populated print line data shown. All pipe material specifications shall be field verified prior to entering data on this sheet.

MINIMUM TEST PRESSURE = 90 PSIG

MAXIMUM TEST PRESSURE = 100 PSIG

MINIMUM TEST DURATION = 1 HOUR

NOTE: The 90 PSIG pressure test applies to all lines with an MAOP of 59 and below.



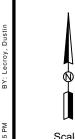
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DUSTIN L. LECROY P.E. #127894.

ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, 1201 NORTH BOWSER, RICHARDSON, TEXAS 75081. TBPELS ENGINEERING FIRM #312

Job No.

40532410

No	. Drawing Revision	Date	Checked By: Date Approved	Designed By: Phone: 512-942-6232	Job Title		
0	PLANNING COMPLETED	8-4-22		DUSTIN LECROY	WARD	AVE - S. HACKBERRY TO S. PIN	E
			Approved By: Date Approved	Map Quadrants		CPS ENERGY	
				Y= 13687303 G-0315		P.O. BOX 1771 SAN ANTONIO, TX 78296	



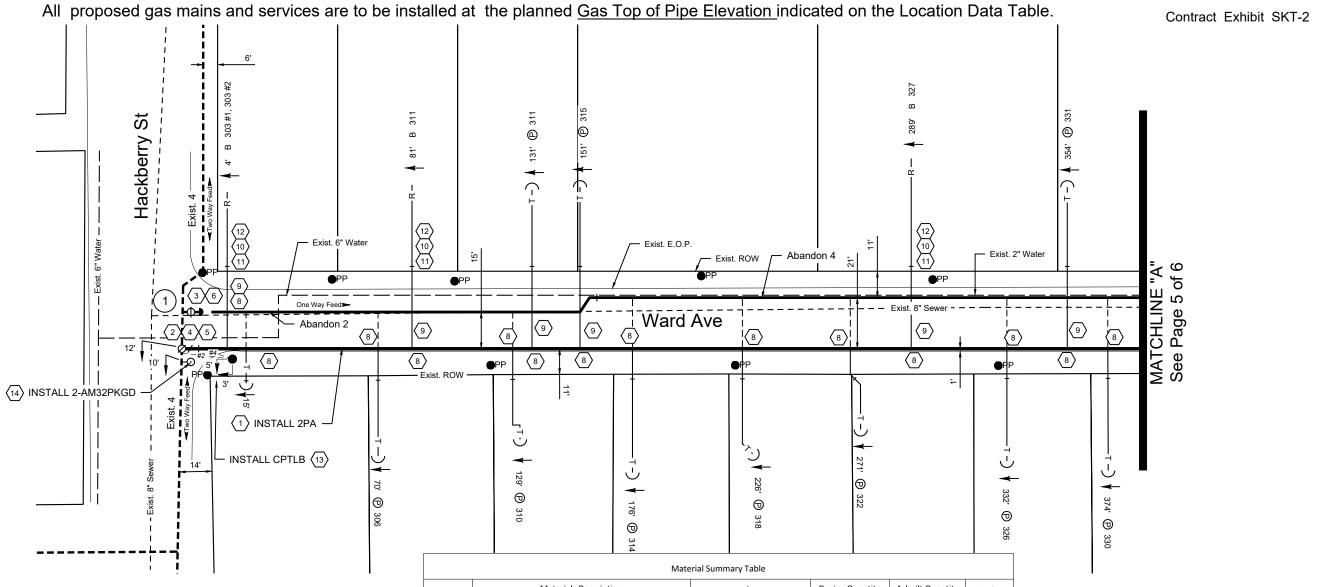
H: 1" = 40'





THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DUSTIN L. LECROY P.E. #127894.

ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, 1201 NORTH BOWSER, RICHARDSON, TEXAS 75081. TBPELS ENGINEERING FIRM #312



Note To Foreman:

Contractor shall coordinate the bracing of existing power pole if excavating within 5' of the pole for gas main installation.

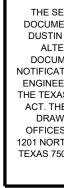
Note To Foreman:

Contractor shall maintain 2' clearance from existing water line.

		and Jummary rubic			
Item	Materials Description	Manufacturer	Design Quantity	Asbuilt Quantity	Stock #
1	PIPE PLASTIC 2" IPS SDR 11 WITH TRACER WIRE		404 LF		101395
2	SHORTSTOP 3-WAY TEE 4" WELD		1 EA		101848
3	SHORTSTOP WELD 2"		1 EA		101841
4	FITTING TRANSITION 4" STL TO PLASTIC		1 EA		101610
5	REDUCER PLASTIC 4" X 2"		1 EA		101580
6	CAP 2" WELD		1 EA		101660
8	TEE TAPPING PE 2" X 1" BUTT FUSE		14 EA		101610
9	PIPE PLASTIC 1" IPS SDR 11		144 LF		101395
10	PIPE PLASTIC ½" IPS		107 LF		101402
11	REDUCER PLASTIC 1" X ½" BUTT FUSE		3 EA		101644
12	ANODELESS RISER 1" X ½"		3 EA		102302
13	CPTLB		1 EA		103294
14	ANODE MAGNESIUM PKG 32LB		2 EA		101692

NOTE: CPS Energy inspector must complete "Asbuilt Quantity" and "Manufacturer" columns of each Material Summary Table and add rows for material used that is not listed.

No.	Drawing Revision	Date	Checked By: Date Approve	d Designed By:	Phone: 512-942-6232	Job Title	Job No.	Τω
0	PLANNING COMPLETED	8-4-22		DU	ISTIN LECROY	WARD AVE - S. HACKBERRY TO S. PINE		j.
1	ALGN SHIFT 1' TOWARDS CURB	8-24-22	Approved By: Date Approve	Map Quadrants	Y - 213618/1 1	CPS ENERGY	40532410	e 4
				168-562	Y=13687303 G-0315	P.O. BOX 1771 SAN ANTONIO, TX 78296		Рао



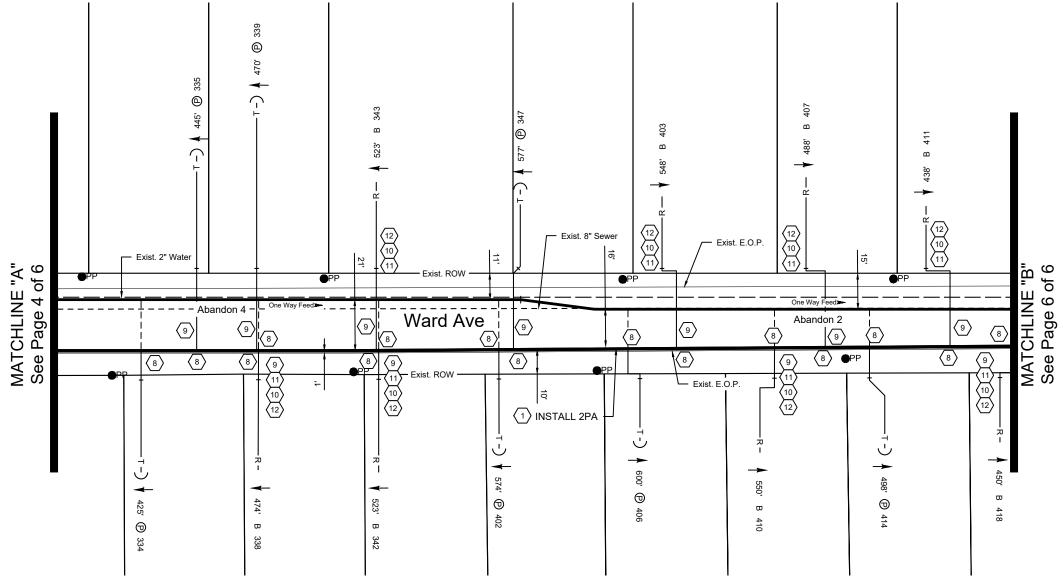






THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DUSTIN L. LECROY P.E. #127894. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, 1201 NORTH BOWSER, RICHARDSON, TEXAS 75081. TBPELS ENGINEERING FIRM #312

All proposed gas mains and services are to be installed at the planned Gas Top of Pipe Elevation indicated on the Location Data Table.



Note To Foreman:

Contractor shall coordinate the bracing of existing power pole if excavating within 5' of the pole for gas main installation.

Note To Foreman:

Contractor shall maintain 2' clearance from existing water line.

	Material Summary Table									
Item	Materials Description	Manufacturer	Design Quantity	Asbuilt Quantity	Stock #					
1	PIPE PLASTIC 2" IPS SDR 11 WITH TRACER WIRE		400 LF		1013959					
8	TEE TAPPING PE 2" X 1" BUTT FUSE		15 EA		1016109					
9	PIPE PLASTIC 1" IPS SDR 11		236 LF		1013957					
10	PIPE PLASTIC ½" IPS		222 LF		1014021					
11	REDUCER PLASTIC 1" X ½" BUTT FUSE		8 EA		1016440					
12	ANODELESS RISER 1" X ½"		8 EA		1023027					

NOTE: CPS Energy inspector must complete "Asbuilt Quantity" and "Manufacturer" columns of each Material Summary Table and add rows for material used that is not listed.

Contract Exhibit SKT-2

N	o. Drawing Revision	Date	Checked By: Date Approved	Designed By: Phone: 512-942-6232 Job Title	Job No.
	PLANNING COMPLETED	8-4-22		DUSTIN LECROY WARD AVE - S. HACKBERRY TO S. PINE	
	ALGN SHIFT 1' TOWARDS CURB	8-24-22	Approved By: Date Approved	Map Quadrants X=2136184 Project No. CPS ENERGY	40532410
Γ				168-562 Y=13687303 G-0315 P.O. BOX 1771 SAN ANTONIO TX 78296	





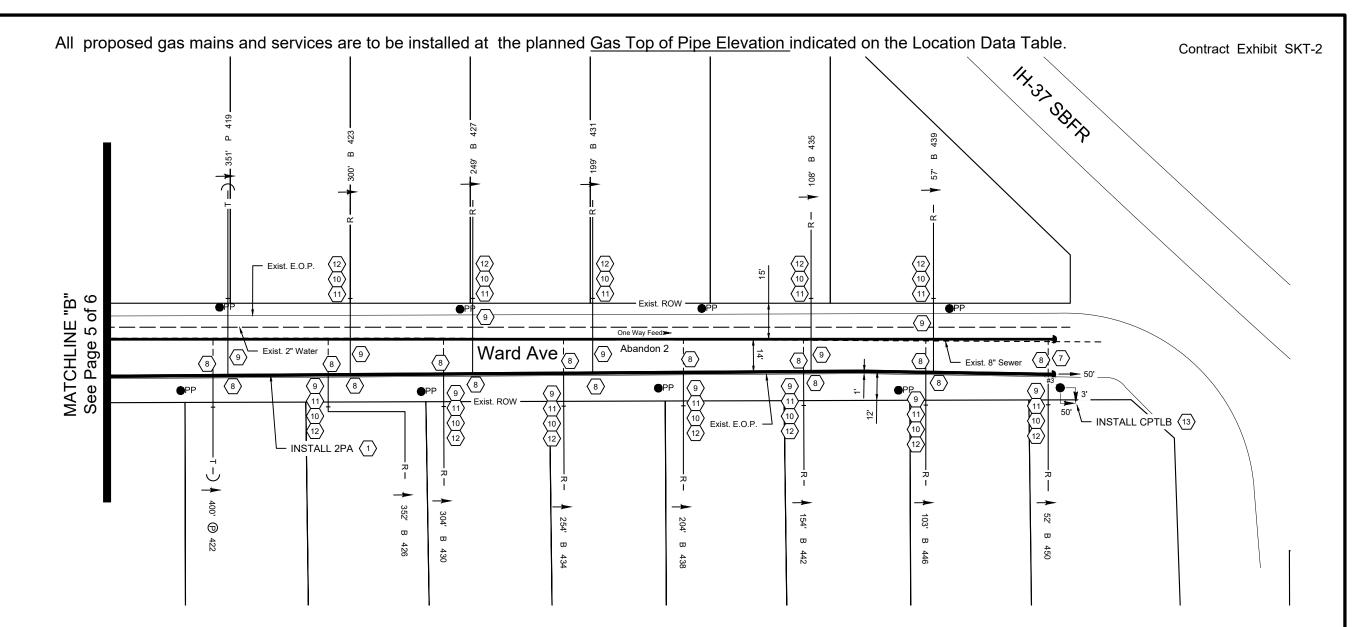


1201 NORTH BOWSER ROAD RICHARDSON, TX 75081-2275 (214) 346-6200 TBPELS FIRM #F-312



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DUSTIN L. LECROY P.E. #127894.

ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, 1201 NORTH BOWSER, RICHARDSON, TEXAS 75081. TBPELS ENGINEERING FIRM #312



Note To Foreman:

Contractor shall coordinate the bracing of existing power pole if excavating within 5' of the pole for gas main installation.

Note To Foreman:

Contractor shall maintain 2' clearance from existing water line.

	Material Summary Table										
Item	Materials Description	Manufacturer	Design Quantity	Asbuilt Quantity	Stock #						
1	PIPE PLASTIC 2" IPS SDR 11 WITH TRACER WIRE		393 LF		1013959						
7	CAP PURGE PLASTIC 2" BUTT FUSE		1 EA		1015598						
8	TEE TAPPING PE 2" X 1" BUTT FUSE		14 EA		1016109						
9	PIPE PLASTIC 1" IPS SDR 11		256 LF		1013957						
10	PIPE PLASTIC ½" IPS		388 LF		1014021						
11	REDUCER PLASTIC 1" X ½" BUTT FUSE		12 EA		1016440						
12	ANODELESS RISER 1" X ½"		12 EA		1023027						
13	CPTLB		1 EA		1032940						

NOTE: CPS Energy inspector must complete "Asbuilt Quantity" and "Manufacturer" columns of each Material Summary Table and add rows for material used that is not listed.

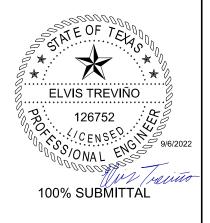
No.	Drawing Revision	Date	Checked By: Date Approved	9 ,	2-6232 Job Title	Job No.
0	PLANNING COMPLETED	8-4-22		DUSTIN LECROY	WARD AVE - S. HACKBERRY TO S. PINE	
1	ALGN SHIFT 1' TOWARDS CURB	8-24-22	Approved By: Date Approved	Map Quadrants X=2136184 Project		40532410
				$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	P.O. BOX 1771 SAN ANTONIO, TX 78296	

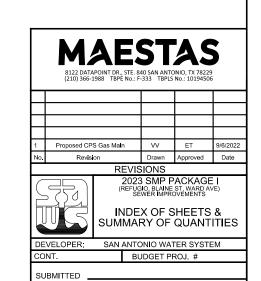
INDEX OF SHEETS

SHEET No.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & SUMMARY OF QUANTITIES
3 - 4	SEWER GENERAL NOTES
5 - 6	PROJECT LAYOUT
7 - 9	SANITARY SEWER PLAN & PROFILE - REFUGIO ST
10	SANITARY SEWER PLAN & PROFILE - WARD AVE
11	SUGGESTED BYPASS PLAN -REFUGIO ST
12	SUGGESTED BYPASS PLAN -WARD AVE
13	TREE PRESERVATION PLAN -REFUGIO ST
14 - 15	TREE PRESERVATION PLAN -WARD AVE
16	TREE PROTECTION DETAILS

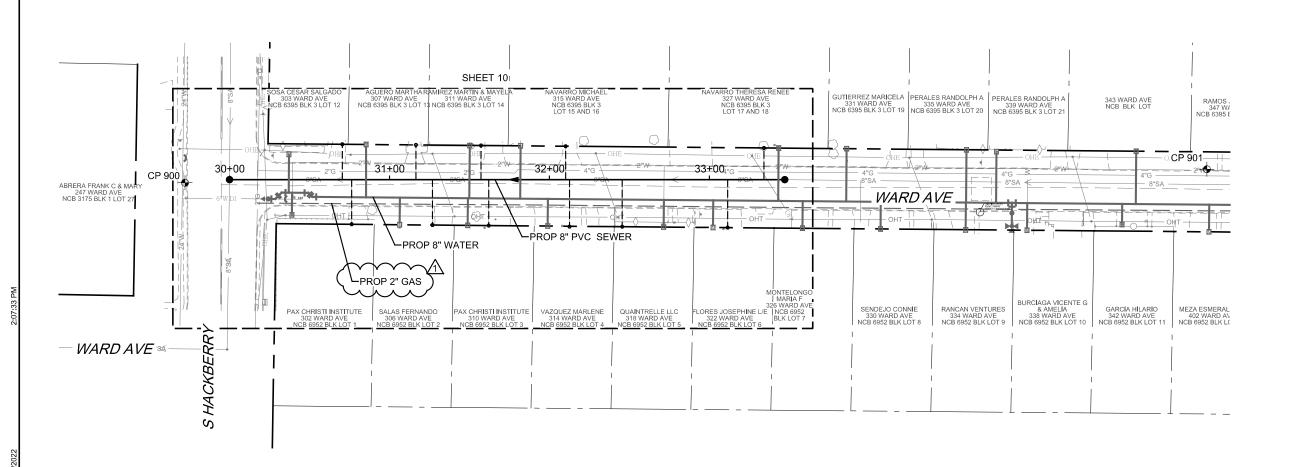
SUMMARY OF QUANTITIES

Item No	Description	Unit	7	8	9	10	Total
100	Mobilization (10% Max)	LS	•	•			1
101	Preparation of Right-of-Way (5% Max)	LS					1
102.1	Intermediate Demobilization and Remobilization	EA					1
102.1	Intermediate Demobilization Bypass Pumping Equipment Rental	DAY					15
102.3	Intermediate Demobilization Bypass Pumping Equipment Vental	DAY					15
102.4	Intermediate Demobilization Bypass Pumping Watch	DAY					15
103.1	Remove Concrete Curb (< 700 LF)	LF	63	36	10	109	267
103.3	Remove Sidewalks and Driveways (< 1,000 SF)	SF	324	180	126	270	963
103.4	Remove Miscellaneous Concrete	SF	386	100	120	2,0	386
200.1	Flexible base (6" Comp Depth) (Type A) (COSA Spec)	SY	43				43
203.1	Tack Coat (COSA Spec)	GAL	11	42	12	51	116
	Hot Mix Asphaltic Pavement, Type B (10" Comp. Depth) (< 10,000						
205.2	SY) (COSA Spec)	SY	87	161	90	162	500
205.3	Hot Mix Asphaltic Pavement Type C (3" Comp Depth)	SY				310	310
205.4	Hot Mix Asphaltic Pavement, Type D (2" Comp. Depth) (<1,000 SY) (COSA Spec)	SY	110	419	114	194	837
208.1	Salvaging, Hauling & Stockpiling Reclaimable Asphaltic Pavement (2" Depth) (COSA Spec)	SY		250			250
208.1	Salvaging, Hauling & Stockpiling Reclaimable Asphaltic Pavement (3" Depth) (COSA Spec)	SY				310	310
209.1	Concrete Pavement (6" Depth) (COSA Spec)	SY	43				43
413.1	Flowable Fill	CY	11	5	4	16	36
500.1	Concrete Curb (< 1,000 LF)	LF	63	36	10	109	267
502.1	Concrete Sidewalks (< 150 SY)	SY	20	14	14		48
503.1	Portland Cement Concrete Driveway (< 100 SY)	SY	16	6		30	59
506.1	Concrete Retaining Walls (Comb. Type) (< 20 CY)	CY	0.2				0.2
530.1	Barricades, Signs and Traffic Handling (Refugio St) (Sewer)	EA					1
530.1	Barricades, Signs and Traffic Handling (Ward Ave) (Sewer)	EA					1
535.1	4 Inch Wide Yellow Line (<100,000 LF)	LF				20	20
535.2	4 Inch Wide White Line (< 30,000 LF)	LF				30	30
537.6	Pavement Marker (Type I-C)	EA				2	2
537.8	Pavement Marker (TYPE II A-A)	EA				4	4
550	Trench Excavation Safety Protection	LF	200	350	192	348_	~ 1090 ^
848	8" PVC Sanitary Sewer Line, SDR 26, 160 psi (all depths)	LF	200	350	192	(328	1070 1
852	Sanitary Sewer Manhole (0' - 6')	EA	1	1	1	$\frac{1}{2}$	\sim
854	Sanitary Sewer Laterals	LF	116	123	87	283	609
854	Two-Way Sanitary Sewer-Clean-out	ŒA_	~ ⁸ ~	9	6	~11 _~	34
856	Steel Casing 24" (Open-Cut)	E F				20	20\/1\
856	8" PVC Sanitary Sewer Line, SDR 26, 160 psi Carrier Pipe	LF				20	20
858	Concrete Encasements, Cradies, Saddles, and Collars	₹	₩	₹	₩		$\frac{\sqrt{72}}{72}$
865	Bypass Pumping (Small Diameter Sanitary Sewers) (Refugio St)	EA				<u> </u>	1
865	Bypass Pumping (Small Diameter Sanitary Sewers) (Ward Ave)	EA					1
866	Sewer Main Pre-Television Inspection	LF	212	350	192	348	1102
866	Sewer Main Post-Television Inspection	LF	200	350	192	348	1090
3001	Pole Bracing	ALW					1





APPROVED



Point #	Northing	Easting	Elevation	Description
900	13689613.02	2136512.76	609.51	SET 1/2" IR W/ CAP
901	13689629.41	2137151.49	613.43	SET 1/2" IR W/ CAP

WARD SANITARY SEWER - PROPOSED HORIZONTAL ALIGNMENT

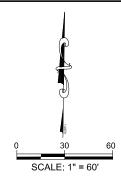
Beginning chain WARD CL description

Point W10 N 13,689,615.3400 E 2,136,540.6010 Sta 30+00.00

Course from W10 to W20 N 89° 17' 30.87" E Dist 347.1375

Point W20 N 13,689,619.6300 E 2,136,887.7120 Sta 33+47.14

Ending chain WARD CL description



LEGEND

BENCHMARK/ CONTROL POINT

SHEET BORDER **EXIST APPARENT**

RIGHT OF WAY

EXIST PROPERTY LINE

CENTERLINE/ALIGNMENT



MAESTAS

1	Proposed CPS Gas Maln	W	ET	9/6/2022
No.	Revision	Drawn	Approved	Date

REVISIONS

2023 SMP PACKAGE I (REFUGIO, BLAINE ST, WARD AVE) SEWER IMPROVEMENTS **PROJECT LAYOUT**

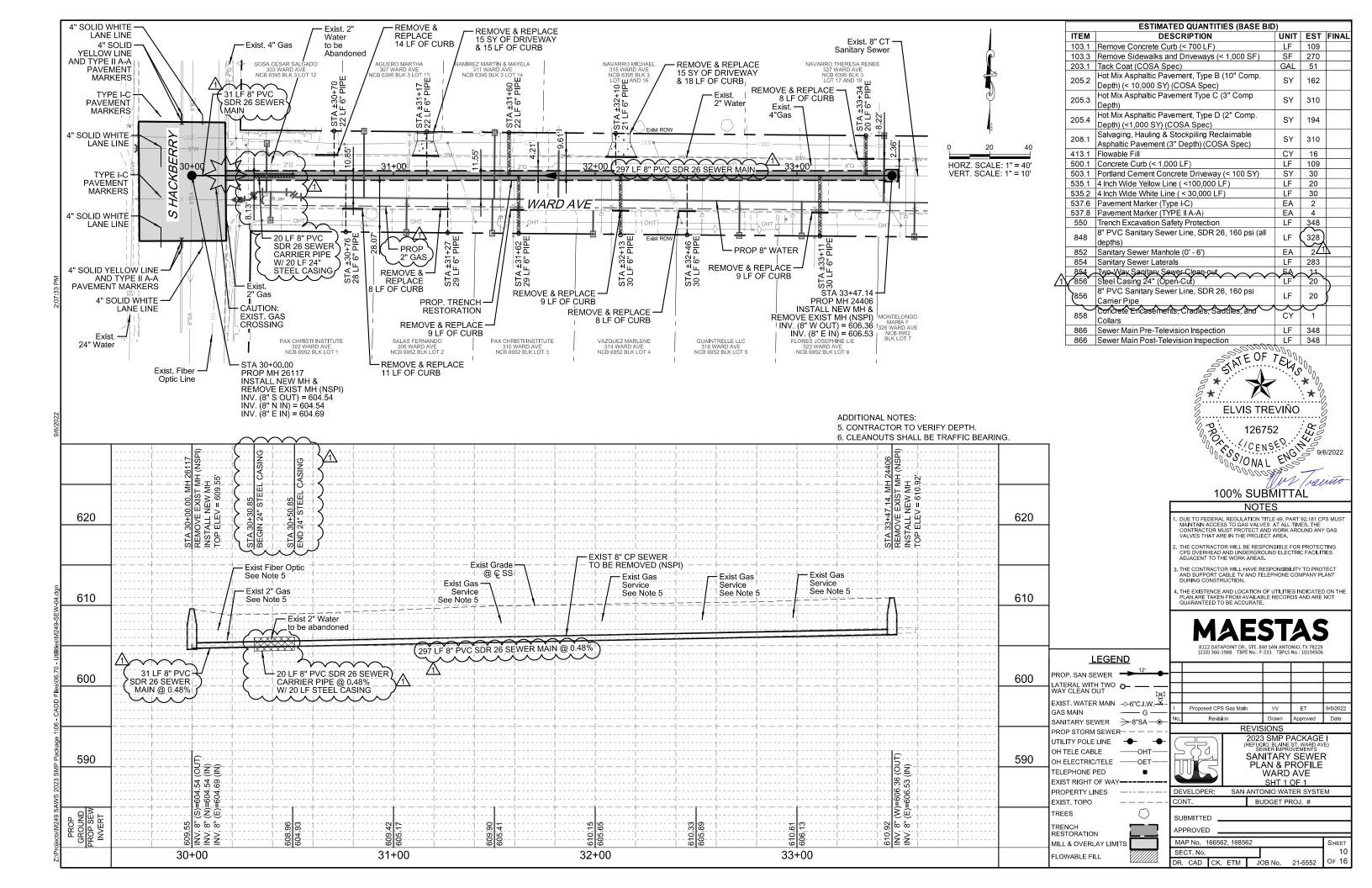
SHT 2 OF 2

SAN ANTONIO WATER SYSTEM DEVELOPER: BUDGET PROJ. #

SUBMITTED APPROVED

CONT.

MAP No. 166562, 168562 SECT. No. DR CAD CK ETM JOB No.



SAWS 2023 SMP Pkg1_BW_PDF. 9/8/2022 @ 10:17:53 AM

SAWS STANDARD GENERAL CONSTRUCTION NOTES ASSOCIATED WITH 2021 SAWS STANDARD SPECS

GENERAL CONSTRUCTION

- 1. All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the Plans, Specifications, General Conditions and with the following as applicable:
 - A. Current Texas Commission on Environmental Quality (TCEQ) "Design Criteria for Domestic Wastewater System", Texas Administrative Code (TAC) Title 30 Part 1 Chapter 217 and "Public Drinking Water", TAC Title 30 Part 1 Chapter
 - B. Current TXDOT "Standard Specifications for Construction of Highways, Streets and Drainage.'
 - C. Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction."
 - D. Current City of San Antonio "Standard Specifications for Construction."
 - E. Current City of San Antonio "Utility Excavation Criteria Manual" (UECM).
- 2. The Contractor shall obtain SAWS Standard Details from SAWS website, https://apps.saws.org/business_center/specs/constspecs/_ unless_otherwise_noted_within
- 3. The Contractor is to notify and make arrangements with the SAWS Construction Inspection Division at 210-233-3500 (during regular SAWS working hours) and provide notification procedures the Contractor will use to notify affected home residents and/or property owners two (2) weeks prior to excavation. Outside of regular SAWS working hours the SAWS EOC should be contacted at 210-704-7297.
- 4. If necessary, Contractor will coordinate use of SAWS premises at no additional cost to SAWS. Such efforts include, but are not limited to, obtaining security identification badges required for access to SAWS facilities.
- 5. Locations and depths of existing utilities and service laterals shown on the plans are understood to be approximate. Actual locations and depths must be field verified by the Contractor prior to construction. It shall be the Contractor's responsibility to locate utility service lines as required for construction and to protect them during construction at no
- 6. The Contractor shall verify the exact location of underground utilities and drainage structures prior to construction whether shown on plans or not. As-builts for SAWS infrastructure can be obtained at website below. Contractor shall coordinate physical locates for SAWS infrastructure through the SAWS Inspector. Please allow up to 7 business days for locates requesting pipe location markers on SAWS infrastructure. The following contact information are supplied for verification purposes:

San Antonio Water System: Request as-builts: https://www.saws.org/service/locates-service/

COSA Drainage 210-206-8433 COSA Traffic Signal Operations 210-207-7720 Texas Statewide One Call Locator 1-800-545-6005 or 811

- 7. The Contractor shall be responsible for restoring existing fences, curbs, streets, driveways, sidewalks, landscaping, and structures to its original or better condition as a result of damages done by the project's construction.
- 8. Contractor shall not make use of dumpsters or waste bins that are intended to serve residents and/or businesses.
- 9. All work in Texas Department of Transportation and Bexar County right-of-way shall be done in accordance with respective construction specifications and permit.
- 10. The Contractor shall comply with City of San Antonio or other governing Municipality's tree ordinances when excavating near trees.
- 11. All work within the 100-year Floodplain shall be done in accordance with Floodplain Development Permit.
- 12. Any work completed without prior written authorization which is not included in these plans and specifications will not be compensated by the San Antonio Water System.
- 13. Holiday Work: Contractors will not be allowed to perform SAWS work on SAWS recognized holidays.

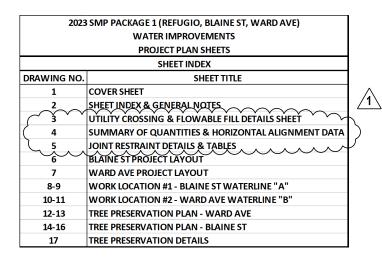
Weekend Work: Contractors are required to submit request to the SAWS Inspection Construction department by 12:00pm on the Wednesday prior to the weekend being requested. Request should be sent to constworkreq@saws.org.

Any and all SAWS utility work installed without weekend approval will be subject to be uncovered for proper inspection at no cost to SAWS.

- 14. PRE-CON SITE VIDEO: Before the start of any construction. The site must be video recorded by the contractor with one copy submitted to SAWS Inspections. A pre-site video will provide accurate documentation of the existing conditions (NSPI).
- 15. POWER POLE BRACING: Contractors should be advised that there are existing overhead utility poles along the project corridor. Contractors should further be advised that if the distance from the outside face of a utility trench to the face of a utility pole is less than 5 feet, said utility pole is subject to bracing, based on a determination made by utility pole owner. Costs incurred by contractor for bracing of these utility poles is subsidiary to that respective utility company's work. It is advisable for the contractor to review the construction documents and visit the construction site to determine potential
- 16. CONSTRUCTION SEQUENCING: It is the Contractor's sole responsibility to schedule sequencing for removal and installation of existing and proposed SAWS utilities in conjunction with general project construction. Sequence of construction activities shall be considered in order to minimize the extent and duration of disturbances.
- 17. Contractor shall comply with applicable regulations including, but not limited to, those overseen by the U.S. Occupational Safety and Health Administration (OSHA). OSHA information and related materials may be obtained at https://www.osha.gov/ or at the OSHA San Antonio Office located at Fountainhead Tower, Suite 605 8200 W. Interstate 10 San Antonio, TX 78230 which is also reachable by phone at (210) 472-5040.
- 18. TRENCH EXCAVATION SAFETY PROTECTION: Contractor and/or Contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and available geotechnical information and the anticipated installation site(s) within the project work areas in order to implement Contractor's trench excavation safety protection systems, programs and/or procedures. The Contractor's implementation of the systems, programs and/or procedures shall provide for adequate trench excavation safety protection that complies with, as a minimum, OSHA standards for trench excavations. Specifically, Contractor and/or Contractor's independently retained employee or safety consultant shall implement a trench safety program in accordance with OSHA standards governing the presence and activities of individuals working in and around trench excavation.

WATER $\overline{}$

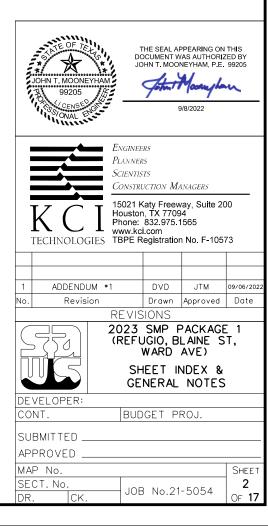
- 19. Prior to tie-ins, any shutdowns of existing mains of any size must be coordinated with the SAWS Inspection and/or SAWS Production groups at least twenty-five (25) Calendar Days in advance of the shutdown. The Contractor must also provide a sequence of work as related to the tie-ins; this is at 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
- 20. Asbestos Cement (AC) pipe, also known as transite pipe which is known to contain asbestos-containing material (ACM), maybe located within the project limits. Special waste management procedures and health and safety requirements will be applicable when removal and/or disturbance of this pipe occurs, Payment for such work is to be made under Item No. 3000, "Handling Asbestos Cement Pipe".
- AC pipe removed on construction projects for tie-in(s) should be in length of 26 linear feet (LF). Lengths of 13 LF should be removed where AC pipe is being removed and crossing pipes, conduits, or boxes.
- 21. VALVE REMOVAL: Where the contractor is to abandon a water main, the control valve located on the abandoning branch will be removed and replaced with a cap/plug. (NSPI)
- 22. DIVISION VALVES: Division Valves shown on plans or not shown on plans but found in the field shall only be operated by SAWS Distribution and Collection staff and only with prior written approval of the SAWS Director of Production and Operations and proper coordination with all SAWS departments. Contractor shall provide written notification to the inspector a minimum of twenty-five (25) Calendar Days in advance to start the coordination process and will be informed by the Inspector when the division valve will be operated by the SAWS Distribution and Collection staff. The Division Valve can only be operated by SAWS Distribution and Collection staff member not the inspector or the contractor. Operation of a Division Valve without the express prior written approval of the SAWS Distribution and Collection staff will constitute a material breach of any written SAWS contract or permit in addition to subjecting the Contractor to liability for any and all fines, fees, or other damages, direct or consequential, that may arise from or be caused by the operation of the valve without prior written permission. Please be informed that the approval of the operation or opening or closing of a division valve can take several weeks for approval. Division Valves will also have a valve lid labeled Division Valve and a locking mechanism installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff.



- 23. RESTRAINT JOINTS: All proposed water mains constructed in this project are to be installed with ALL joints restrained in accordance with SAWS 2021 Specification 839 (See SAWS Standard Detail DD-839-01 through DD-839-08)
- 24. PROPOSED WATER BURY DEPTH: All water mains shall have a minimum of 5 feet of cover from the proposed final finish ground/street/elevation unless otherwise adjusted by the Engineer.
- 25. SAWS shall machine chlorine new water mains where the water main length is greater than 750 feet. And the Contractor shall chlorinate new mains with HTH where the water main length is 750 feet or less.

TREE PRESERVATION

26. See Tree Preservation Plan Sheets 12-17 for tree protection requirements.:



UTILITY HORIZONTAL ALIGNMENT DATA

BLAINE WATERLINE "A"

Beginning chain UPCWTRBLAINE_A3 description						
Point 450	N	13,706,377.37 E	2,138,944.01 Sta	0+00.00		
Course from 45	50 to	451 N 89° 36' 35.9	9" E Dist 482.24			
Point 451	N	13,706,380.65 E	2,139,426.25 Sta	4+82.24		
Course from 45	51 to	452 N 44° 37' 37.3	1" E Dist 17.05			
Point 452	N	13,706,392.79 E	2,139,438.22 Sta	4+99.29		
Course from 45	52 to	453 N 89° 36' 45.3	3" E Dist 299.58			
Point 453	N	13,706,394.81 E	2,139,737.80 Sta	7+98.87		
Course from 45	53 to	454 S 45° 23' 15.1	2" E Dist 15.52			
Point 454	N	13,706,383.91 E	2,139,748.85 Sta	8+14.39		
Course from 45	54 to	455 N 89° 36′ 44.3	8" E Dist 550.86			
Point 455	N	13,706,387.64 E	2,140,299.69 Sta	13+65.25		
Course from 45	55 to	456 S 45° 23' 15.6	2" E Dist 14.15			
Point 456	Ν	13,706,377.70 E	2,140,309.76 Sta	13+79.40		

>	v v v ·		TERLINE "	B"	• • • • •	
>	Beginning chain UPCWTRWARD_B5 description ====================================					
>	Point 437	N	13,689,603.60 E	2,136,569.27 Sta	0+00.00	
>	Course from 437 to 438 N 44° 47' 34.60" E Dist 5.67					
(Point 438	N	13.689.607.62 E	2.136.573.27 Sta	0+05.67	

Ending chain UPCWTRBLAINE A3 description

Point 439 N 13,689,607.68 E 2,136,590.01 Sta 0+22.42

Point 440 N 13,689,605.25 E 2,136,592.51 Sta 0+25.90

Course from 440 to 441 N 89° 47' 34.59" E Dist 1,062.98

Course from 438 to 439 N 89° 47' 34.60" E Dist 16.75

Course from 439 to 440 S 45° 41' 45.58" E Dist 3.49

Point 441 N 13,689,609.09 E 2,137,655.48 Sta 10+88.88

Course from 441 to 442 S 89° 45' 10.90" E Dist 120.54

Point 442 N 13,689,608.57 E 2,137,776.02 Sta 12+09.42

Course from 442 to 443 S 44° 58' 44.42" E Dist 21.49

Point 443 N 13,689,593.37 E 2,137,791.21 Sta 12+30.91

Course from 443 to 444 S 0° 17' 34.58" W Dist 15.92

Point 444 N 13,689,577.45 E 2,137,791.12 Sta 12+46.83

Ending chain UPCWTRWARD B5 description



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JOHN T. MOONEYHAM, P.E. 99205

9/8/2022



Engineers
Planners
Scientists
Construction Managers

TECHNOLOGIES

15021 Katy Freeway, Suite 200
Houston, TX 77094
Phone: 832.975.1565
www.kci.com
TBPE Registration No. F-10573

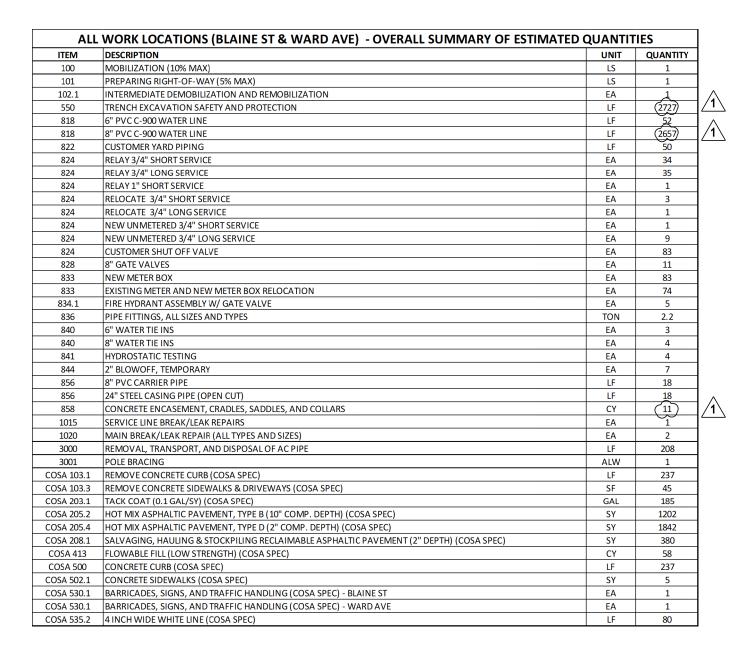
1 ADDENDUM *1 DVD JTM 09/06/202
10. Revision Drawn Approved Date

REVISIONS



2023 SMP PACKAGE 1 (REFUGIO, BLAINE ST, WARD AVE) SUMMARY OF QUANTITIES & HORIZONTAL ALIGNMENT

	DATA			
DEVELOPER:				
CONT.	BUDGET PROJ.			
SUBMITTED				
MAP No.		SHEET		
SECT. No.	JOB No.21-5054	4		
DR. CK.	7 JUB NO.21-3034	OF 17		



PLOT DRIVER: SAWS 2023 SMP Pkg1_BW_PDF.
PLOTTED ON: 9/12/2022 @ 10:37:21 AM
DESIGN FILENAME: X:\data\Infra\Proj_KCI_2022\

1. REFER TO SAWS SPECIFICATION 839 REGARDING RESTRAINED LENGTHS.

WARD AVE JOINT RESTRAINTS						
FITTING	MAIN SIZE	STATION	O/S	RESTRAINED LENGTH	SAWS STD.DWG	
REDUCER	8"x6"	-0+00.49	0	77'	DD-839-07	
INLINE VALVE	8"	-0+00.49	0	77'	DD-839-05	
45° BEND	8"	-0+00.49	0	12'	DD-839-08	
45° BEND	8"	0+05.19	0	12'	DD-839-08	
45° BEND	8"	0+21.94	0	12'	DD-839-08	
45° BEND	8"	0+25.42	0	12'	DD-839-08	
TEE (FIRE HYDRANT)	8"x6"	4+62.86	0	59'	DD-839-04	
INLINE VALVE	8"	6+39.03	0	77'	DD-839-05	
INLINE VALVE	8"	6+45.03	0	77'	DD-839-05	
45° BEND	8"	12+08.93	0	12'	DD-839-08	
TEE (FIRE HYDRANT)	8"x6"	12+25.42	0	59'	DD-839-04	
45° BEND	8"	12+30.42	0	12'	DD-839-08	
INLINE VALVE	8"	12+41.84	0	77'	DD-839-05	
45° BEND	8"	12+46.34	0	12'	DD-839-08	

1. REFER TO SAWS SPECIFICATION 839 REGARDING RESTRAINED LENGTHS.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JOHN T. MOONEYHAM, P.E. 99205

9/12/2022

Engineers PLANNERS Scientists

Construction Managers

15021 Katy Freeway, Suite 200 Houston, TX 77094

Houston, 18 / 7/094
Phone: 832.975.1565
www.kci.com
TECHNOLOGIES TBPE Registration No. F-10573

1	ADDENDUM #1	DVD	JTM	09/06/2022	
No.	Revision	Drawn	Approved	Date	
	DEVICIONS				

REVISIONS

2023 SMP PACKAGE 1 (REFUGIO, BLAINE ST, WARD AVE)

JOINT RESTRAINT DETAILS & TABLES

SHEET

5

OF **17**

DEVELOPER: BUDGET PROJ. CONT. SUBMITTED APPROVED

MAP No. SECT. No. JOB No.21-5054

PLOT DRIVER: SAWS 2023 SMP Pkg1_BW_PDF.pltcfg
PLOTTED ON: 9/9/2022 @ 4:17:55 PM
PESTCAN EII ENAME: V:1dapalhefasibrai KCI 2023/342408 04 SAWS 2023 SMB Bkg1/saddibl AN SHTSUITH

PLOTTED BY: douglas.diciccio PLOTTED SCALE: 1:40.0001 PEN TABLE: SAWS 2023 SMP PI

LEGEND CESAR SALGADO SOSA 303 WARD AVENUE | (DOC. NO. 20210177636, O.P.R.B.C.T.) MARTIN & MAYELA RAMIREZ 311 WARD AVENUE (VOL. 3926, PG. 1574, O.P.R.B.C.T.) MARTHA AGUERO 307 WARD AVENUE (VOL. 7610, PG. 610, O.P.R.B.C.T.) MICHAEL NAVARRO 315 WARD AVENUE THERESA R NAVARRO SERVICE RECONNECT: HACKBERRY 327 WARD AVENUE 327 WARD AVENUE (DOC. NO. 20130215817, O.P.R.B.C.T.) BLOCK 3 LOTS 17-18 N.C.B. 6395 3/4 (VOL. 9592, PG. 717, O.P.R.B.C.T.) BLOCK 3 LOT 15 N.C.B. 6395 PROP. WATER MAIN 1" OR LARGER EXIST WATER MAIN SERVICE RELAY: BLOCK 3 GAS MAIN (ABANDONED)-2"G-2"G(AB)-LOT 13 N.C.B. 6395 3/4" SANITARY SEWER 1" OR LARGER CUT & CAP STORM SEWER — 24"ST — **©**-EX 6" DI WATER MAIN SERVICE RELOCATE: STA 1+23.54 UTILITY POLE LINE 3/4" 788888 STA 0+58.98 **RELAY 3/4"** OVERHEAD ELECTRIC ----OHE----1" OR LARGER RÉLAÝ 3/4" LONG SERVICE RFI AY 3/4" LONG SERVICE UNDER GROUND ELECTRIC PROP 8" PVC RELOCATE METER LONG SERVICE \triangleright TAP: #054357 TAP #054378 S STA 1+55 33 TAP #054373 ₁ SANITARY STA 3+16.67 -NEW SERVICE: PROP METER BOX PROP METER BOX PROP PVC **RELAY 3/4"** RELOCATE 3/4" OVERHEAD TELEPHONE -SEWER PROP METER BOX = 1 EA = 1 EA YARD 3/4" LONG SERVICE UNDER GROUND TELEPHONE & LATERALS LONG SERVICE PI STA 0+25.42 —ugт — Ø-= 1 EA 1" OR LARGER PIPING TAP: #054397 Ñ (SAWS JOB **APPROY** INSTALL ! TAP: #070585 EX FACE EX 2" CI WATER PROP METER BOX = 6 LF 330 LF TO NEAREST PROP. SOIL BORING **#21-5552**) PROP METER BOX 1 - 8" 1/8 BEND. OF CURE CAUTION! GAS CROSSING TO BE ABANDONED = 1 EA EX INLINE GATE APP EXIST ROW DUAL BRANCH SERV. Ŝ - PROP 325 LF CONTRACTOR CHAINLINK FENCE NEW UNMETERED ~ 8" PVC C-900 WTR $\mathrel{\mathrel{\checkmark}}$ TO KILL EX -2" CI WTF SERVICE: WOODEN FENCE 2" CI WATER 3/4" SINGLE WROUGHT IRON FENCE WARD AVE ΜΔΙΝ ΔΤ ΤΔΡ 1" DUAL S ABANDONED WATERLINE (N.S.P.I.) ROW CENTERLÎNE 1 → 3+00 € 2+00 -WATERLINE "B WL#2 - WARD AVE - WATERLINE "B" - SHEET 10 - SUMMARY OF ESTIMATED QUANTITIES CHLIN EX GATE VALVE DESCRIPTION (NOT LOCATED IN SURVEY) 1 PROP TIE-IN "A AFTER RELEASE FOR SERVICE, EX FÂCE OF CURB APP EXIST ROW RELAY 3/4" SHORT SERVICE - STA 2+76 09 EX FACE OF CURB \dashv TIE NEW 8" PVC MAIN TO **RELOCATE 3/4'** EXISTING 6" D.I. MAIN ~ 8" PVC C-900 WTR INSTALL: STA 1+22 70 STA 1+72.71 SHORT SERVICE RELOCATE 3/4" LONG SERVICE EA PI STA 0+21.94 EA EA EA EA EA STA 0+80.15 APPROX. STA 2+45.21 RELOCATE 3/4" TAP: #071404 RELOCATE 3/4" **RELAY 3/4"** INSTALL: 120 LF TO 1 - 8" GATE VALVE, W SHORT SERVICE **RELAY 3/4"** PROP METER BOX SHORT SERVICE 8" GATE VALVES NEAREST EX INLINE GATE 6" VALVE BOX, COMPLETE 1 - 8"x6" REDUCER, MJ . ⊠ 1 - 8" 1/8 BEND, MJ SHORT SERVICE TAP: #071401 TAP: #071402 SHORT SERVICE = 1 EA ISTA 3+32.01 PROP 17 LF TAP: #079688 TAP: #071403 PROP METER BOX PROP METER BOX PROP PVC - 6" MECHANICAL COUPLING, MJ RELAY 3/4" VALVE ~ 8" PVC C-900 WTR PROP METER BOX PROP METER BOX YARD = 1 EA = 1 EA SHORT SERVICE PIPE FITTINGS, ALL SIZES AND TYPES STA 0+11.74 = 1 EA - PROP PVC YARD PIPING = 1 EA ' **PIPING** PROP PVC YARD PIPING TAP: #070897 NEW 3/4" SHORT SERVICE = 12 LF = 17 LF = 15 LF PROP METER (REF. SAWS STD DWG DD-844-01) (UNMETERED) QUAINTRELLE, LLC. 318 WARD AVENUE (DOC. NO. 20190134567, O.P.R.B.C.T.) FLORES JOSEPHINE L/E_ 322 WARD AVENUE OONE ROSE ANGELA (DOC. NO. 20210020138, O.P.R.B.C.T.) LOT 6 N.C.B. 6952 6" PVC WATER PIPE, CUT AS REQ'D
RESTRAIN ONE JOINT OUT FROM TIE-IN (N.S.P.I.) MARLENE VAZQUEZ 314 WARD AVENUE (DOC. NO. 20210186263, O.P.R.B.C.T.) PAX CHRISTI INSTITUTE 310 WARD AVENUE FERNANDO SALAS PROP METER BOX = 1 EA (VOL. 4050, PG. 1060 STA 0+05.19 O.P.R.B.C.T.) = 1 E/ COSA 205.2 HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH) (COSA SPEC COSA 205.2 HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH) (COSA SPEC COSA 200.4 HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH) (COSA SPEC / INSTALL FOR CHLORINATION: (DOC. NO. 20060169275, MARIA F. MONTELONGO 326 WARD AVENUE (DOC. NO. 20180047634, O.P.R.B.C.T.) LOT 7 N.C.B. 6952 2 - 1" CORP. STOP, CC x IP 2 - 1 1/4" SOLID CAPS. THR. - 2 - 1" COPPER TUBING, CUT AS REQ'D - PI STA 0+05.19 OPRBCT) N.C.B. 6952 INSTALL: N.C.B. 6952 N.C.B. 6952 N.C.B. 6952 COSA 535.2 4 INCH WIDE WHITE LINE (COSA SPE 2 - 1" COMP. x 1 1/4" COUPLING, CURB STOP 1 - 8" 1/8 BEND, MJ NOTES: 1. PROPOSED WATER MAIN SHALL BE GRAPHIC SCALE (SEE SAWS STD DWG DD-847-01 PROP 6 LF (IN FEET) RESTRAINED PER SAWS
SPECIFICATION NO. 839 (NSPI) ر 8" PVC C-900 WTR ح 302 WARD AVENUE (VOL. 10502, PG. 798, O.P.R.B.C.T.) LOT 1 N.C.B. 6952 20 EX GATE VALVE ID#305065 2. CONTRACTOR SHALL RESTORE
ALL FENCES TO EXISTING OR (TO BE ABANDONED) 1" = 40' BETTER CONDITION WHERE NECESSARY (NSPI) - FX GATE VALVE RANDOLPH A. PERALES 335 WARD AVENUE (DOC. NO. 20170255292, O.P.R.B.C.T.) JOE LOPEZ 403 WARD AVENUE (DOC. NO. 20070003825, O.P.R.B.C.T.) BLOCK 4 RAMONA V. HERRERA JASON & BREANNA RAMOS RANDOLPH A. PERALES 339 WARD AVENUE (DOC. NO. 20100054381, FERNANDO ZAMARRIPA _ 407 WARD AVENUE 343 WARD AVENUE (DOC. NO. 20030327637, O.P.R.B.C.T.) 3. CONTRACTOR TO RESTORE ALL LANDSCAPING TO EXISTING OR (TO BE ABANDONED) SE OF TO (DOC. NO. 20080166238, O.P.R.B.C.T.) MARICELA GUTIERREZ 331 WARD AVENUE (DOC. NO. 20170012810, O.P.R.B.C.T.) THE SEAL APPEARING ON THIS - EX GATE VALVE BETTER CONDITION WHERE NECESSARY (NSPI) \Rightarrow DOCUMENT WAS AUTHORIZED BY BLOCK 3 LOTS 23 N.C.B. 6395 LOT 12 N.C.B. 6396 N.C.B. 6395 ABANDONED) JOHN T. MOONEYHAM DETAIL A PROP 105 LF ~ 8" PVC -RESTORE SPEED BUMP TO 99205 PROP 4" WIDE WHITE · STA 6+03.70 -STA 6+63.22 -LOT 19 N.C.B. 6395 C-900 WTR **EXISTING CONDITION OR** STA 5+40.24 LINE STRIPING RELAY 3/4" **RELAY 3/4"** 9/9/2022 STA 7+15.70 -- STA 3+59.19 BETTER (NSPI) **RELAY 3/4"** = 80 LF LONG SERVICE LONG SERVICE **RELAY 3/4"** LONG SERVICE **RELAY 3/4"** STA 4+34.12 · STA 4+52.89 TAP: #076821 TAP: #071405 TAP: #082568 LONG SERVICE PROP METER BOX LONG SERVICE 2 **RFLAY 3/4"** PROP METER BOX RELAY 3/4" PROP METER BOX TAP: #071406 0 TAP: #073232 LONG SERVICE = 1 EA ENGINEERS LONG SERVICE PROP METER BOX PROP METER BOX | TAP: #086605 5 TAP: #064793 EX 2" CI WATER **PLANNERS** 3 = 1 EA PROP METER BOX PROP METER BOX EX EDGE OF EX FACE OF CURB TO BE ABANDONED Scientists = 1 EA APP EXIST ROW PAVEMENT ⋖ CONSTRUCTION MANAGERS EX FACE OF CURB \bigcirc 15021 Katy Freeway, Suite 200 Houston, TX 77094 S 4" G(AB) -PROP 176 LF ~ 8" PVC-Phone: 832,975,1565 WARD AVE _C-900 WTR www.kci.com TECHNOLOGIES TBPE Registration No. F-10573 -ROW CENTERI INF Z 4+00 & VATEŘLÍŇE "B' Z Ш ADDENDUM #1 JTM DVD MATCH Drawn Approved 工 STA 6+86 84 APP EXIST ROW €SŤÃ 6+45.03) INSTALL: REVISIONS EDGE OF - STA 4+72 39 ഗ PROP 6 LF 1-8" GATE RELAY 3/4" PROP 113 LF -PAVEMENT 2023 SMP PACKAGE 1 (REFUGIO, BLAINE ST, **RELAY 3/4"** STA 5+86.20 · SHORT SERVICE ~ 8" PVC SHORT SERVICE RELAY 3/4" I TAP: #070904 C-900 WTR ~ 8" PVC VALVE, MJ W/ STA 5+31.80 WARD AVE) TAP: #070900 STA 04+62.86 PROP METER BOX = 1 EA RELAY 3/4" SHORT SERV SHORT SERVICE C-900 WTR 6" VALVE BOX, PROP METER BOX STA 3+81.80 ш WORK LOCATION *2 WARD AVE WATERLINE "B' STA 4+34.03 TAP: #070902 = 1 EA PROP METER BOX 1 SHORT SERVICE COMPLETE **RELAY 3/4"** STA 6+42.03 **RELAY 3/4"** STA 7+41 19 -TAP: #070901 ഗ SHORT SERVICE 1 - 8"x6", ANCHOR TEE, MJ = 1 EA (\$TA 6+39.03)-**RELAY 3/4" RELAY 3/4"** SHEET 1 OF 2 SHORT SERVICE PROP METER BOX 1 - 6" GATE VALVE, MJ SHORT SERVICE TAP: #070899 SHORT SERVICE PROP METER BOX = 1 EA DE VELOPER: PROP METER BOX 6" VALVE BOX, COMPLETE TAP: #070903 1 - 8" GATE VALVE, MJ W/ TAP: #070905 = 1 EA 6" DI PIPE, CUT AS REQ'D PROP METER BOX CONT. BUDGET PROJ. = 1 EA 6" VALVE BOX, COMPLETE PROP METER BOX 406 WARD AVE 1 - 6" ANCHOR COUPLING = 1 EA ESMERALA A. MEZA 402 WARD AVENUE (DOC. NO. 20110099948, O.P.R.B.C.T.) CONNIE SENDEJO 330 WARD AVENUE (DOC. NO. 20180145751, O.P.R.B.C.T.) = 1 EA RANCAN VENTURES 334 WARD AVENUE (DOC. NO. 20180020100, O.P.R.B.C.T.) SERVICE LINE NOTE: THIS IS A CRITICAL SERVICE LINE. 1 - STD FIRE HYDRANT SUBMITTED) HILARIO GARCIA ' 342 WARD AVENUE , (DOC. NO. 20190162492, O.P.R.B.C.T.) I LINDA U. HERRERA 414 WARD AVENUE JUAN V. CANO 406 WARD AVENUE (VOL. 5611, PG. 501, O.P.R.B.C.T.) MARYANN R. HERNANDEZ 410 WARD AVENUE (VOL. 6766, PG. 1853, O.P.R.B.C.T.) (SEE SAWS STD. DWG DD-834-01) CONTRACTOR TO COORDINATE WITH HOMEOWNER REGARDING SHUTDOWN APPROVED VICENTE & AMELIA BURCIAGA (VOL. 8620, PG. 1460 O.P.R.B.C.T.) LOT 8 N.C.B. 6952 LOT 12 N.C.B. 6952 LOT 9 N.C.B. 6952 OF SERVICE PRIOR TO COMMENCEMENT OF CONSTRUCTION MAP No. **168562, 168564** SHEE! LOT 11 N.C.B. 6952 LOT 13 N.C.B. 6952 LOT 14 N.C.B. 6952 SECT. No. 10 JOB No.21-5054

LEGEND RUDOLPH GARCIA & SERVICE RECONNECT: JANIE H 439 WARD AVENUE SANDRA P. GONZLES 427 WARD AVENUE (VOL. 4603, PG. 180, O.P.R.B.C.T.) BLOCK 4 BRENDA C. PERALES 431 WARD AVENUE (VOL. 7258, PG. 1245, O.P.R.B.C.T.) BLOCK 4 XOCHITL GARCIA 423 WARD AVENUE (DOC. NO. 20210210196, O.P.R.B.C.T.) DAVID PEREZ VALDEMAR & DEBRA JEAN 435 WARD AVENUE BLOCK 4 LOT SE IRRG 116,93 FT OF 20 SAUL SALAZAR 411 WARD AVENUE (VOL. 4791, PG. 1873, O.P.R.B.C.T.) BLOCK 4 LOTS 14-15 N.C.B. 6396 PEDRO HERRERA 3/4" 419 WARD AVENUE (DOC. NO. 20120054480, O.P.R.B.C.T.) (VOL. 8646, PG. 0302 O.P.R.B.C.T.) PROP. WATER MAIN 1" OR LARGER EXIST. WATER MAIN BLOCK 4 LOT S IRR 68.53 FT OF 21 & 22 N.C.B. 6396 SERVICE RELAY: GAS MAIN 3/4" LOT 19 N.C.B. 6396 SANITARY SEWER 1" OR LARGER N.C.B. 6396 STORM SEWER — 24"ST — **©**-STA 11+23.04 SERVICE RELOCATE: STA 7+65 70 STA 10+63.74 UTILITY POLE LINE **RELAY 3/4"** STA 9+13.55 **RFI AY 3/4"** RELAY 3/4" 3/4" 788888 STA 10+06.66 STA 8+40.74 STA 9+64.77 -LONG SERVICE OVERHEAD ELECTRIC LONG SERVICE **RELAY 3/4"** LONG SERVICE 1" OR LARGER **RELAY 3/4"** RELAY 3/4"I **RELAY 3/4"** LONG SERVICE TAP: #083613 50 UNDER GROUND ELECTRIC TAP: #071407 TAP: #086560 RELOCATE METER PROP METER BOX LONG SERVICE \triangleright LONG SERVICE LONG SERVICE PROP METER TAP: #085883 PROP METER BOX NEW SERVICE: TAP: #087941 TAP: #212887 BOX = 1 EA PROP METER BOX S OVERHEAD TELEPHONE = 1 EA PROP METER BOX PROP METER BOX PROP METER BOX EX 2" CI WATER
TO BE ABANDONED + 3/4" = 1 EA UNDER GROUND TELEPHONE —ugr—**⊘** = 1 EA = 1 EA 1" OR LARGER $\overline{}$ EX 2" CI WATER FX FACE OF CURB EX FACE OF CURB PROP. SOIL BORING PROP 62 LF ~ 8" PVC -CAUTION! GAS CROSSING $\overline{}$ TO BE ABANDONED C-900 WTR C APP EXIST ROW APP_EXIST ROW DUAL BRANCH SERV. ◁ PI STA \triangleleft PROP 339 LF ~ 8" PVC CHAINLINK FENCE NEW UNMETERED 0 10+88.39 C-900 WTR SERVICE: WOODEN FENCE ഗ 3/4" SINGLE WROUGHT IRON FENCE WARD AVE S 1" DUAL ABANDONED WATERLINE -X-X ROW CENTERLINE -WL#2 - WARD AVE - WATERLINE "B" - SHEET 11 - SUMMARY OF ESTIMATED QUANTITIES \mathcal{M} 8+00 11+00 10+0 Z 818 8" PVC C-900 WATER LIN 498 824 RELAY 3/4" SHORT SERVIC FΔ 9 S 824 RELAY 3/4" LONG SERVICE EA $\overline{\Box}$ APP EXIST ROW APP EXIST ROW 824 CUSTOMER SHUT OFF VALVI EA \bigcirc - STA 9+37.53 EX FACE OF CURB -828 8" GATE VALVES Ш EX FACE OF CURB -STA 10+88.63 EA PROP CONC **RELAY 3/4"** 833 EA **ENCASEMENT** RELAY 3/4" SHORT SERVICE Ш Μ¥ EA EXISTING METER AND NEW METER BOX RELOCATION SHORT SERVICE = 4 SY STA 9+86.20 STA 8+94.12 STA 8+34.95 TAP- #070909 STA 7+87.00 ⋖ STA 10+35.95 834.1 FIRE HYDRANT ASSEMBLY W/ GATE VALVE **RELAY 3/4"** TAP: #070912 S **RELAY 3/4"** PROP METER BOX **RELAY 3/4" RELAY 3/4"** RELAY 3/4" \geq 836 PIPE FITTINGS, ALL SIZES AND TYPES TON 0.3 PROP METER BOX SHORT SERVICE SHORT SERVICE SHORT SERVICE SHORT SERVICE = 1 EA SHORT SERVICE EA 840 = 1 EA TAP: #070910 TAP: #070908 STA 11+34.83 -TAP: #070907 TAP: #070906 TAP: #070911 ' PROP METER BOX RELAY 3/4" SHORT SERVICE PROP METER BOX PROP METER BOX PROP METER BOX PROP METER BOX = 1 EA = 1 EA = 1 EA = 1 EA TAP: #070913 COSA 103.1 REMOVE CONCRETE CURB (COSA SPEC) 85 MIGUEL & JOSEPHINE SOLIS 418 WARD AVENUE (VOL. 6807, PG. 271, O.P.R.B.C.T.) LOT 16 N.C.B. 6952 PROP METER BOX EDWARD CODY & HANNAH BLAKENEY 434 WARD AVENUE JACOB & CARMEN MICHAEL J. HERRERA 426 WARD AVENUE (DOC. NO. 20100115725, O.P.R.B.C.T.) COSA 203.1 TACK COAT (0.1 GAL/SY) (COSA SPEC) GAL 26 LARRY E. OVERSTREET 430 WARD AVENUE (VOL. 2607, PG. 28, O.P.R.B.C.T.) HERRERA 422 WARD AVENUE (DOC. NO. 20120052896, O.P.R.B.C.T.) = 1 EA 203 LINDA U. HERRERA 414 WARD AVENUE (VOL. 8620, PG. 1460, O.P.R.B.C.T.) LOT 15 N.C.B. 6952 PATRICIA VILLEGAS 438 WARD AVENUE (DOC. NO. 20180121299, O.P.R.B.C.T.) LOMAS/CABRERA FAMILY LIVING TRUST 446 WARD AVENUE (DOC. NO. 2017/0161504, O.P.R.B.C.T.) LOT 23 N.C.B. 6952 JAVIER ELIZONDO 442 WARD AVENUE (DOC. NO. 20190157899, O.P.R.B.C.T.) COSA 205.4 HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH) (COSA SPEC) 258 (DOC. NO. 20180164439, O.P.R.B.C.T.) COSA 500 CONCRETE CURB (COSA SPEC) LOT 19 N.C.B. 6952 LOT 20 N.C.B. 6952 N.C.B. 6952 **GRAPHIC SCALE** LOT 21 N.C.B. 6952 NOTES: 1. PROPOSED WATER MAIN SHALL BE LOT 22 N.C.B. 6952 (IN FEET) 1. PROPOSED WATER MAIN SHALL BE RESTRAINED PER SAWS SPECIFICATION NO. 839 (NSPI) 2. CONTRACTOR SHALL RESTORE ALL FENCES TO EXISTING OR BETTER 20 RUDOLPH GARCIA & JANIE H 439 WARD AVENUE (VOL. 8646, PG. 0302, O.P.R.B.C.T.) BLOCK 4 LOT S IRR 68.53 FT 1" = 40' CONDITION WHERE NECESSARY (NSPI)
3. CONTRACTOR TO RESTORE ALL LANDSCAPING TO EXISTING OR BETTER CONDITION WHERE NECESSARY (NSPI) THE SEAL APPEARING ON THIS JOHN T. MOONEYHAM DOCUMENT WAS AUTHORIZED BY JOHN T. MOONEYHAM, P.E. 99205 S RELAY 3/4" LONG SERVICE (UNMETERED) + 99205 TAP: #082737 $\overline{}$ PROP METER BOX 9/9/2022 $\overline{}$ 1/2 13/1/15 ◁ PROP CONC ENCASEMENT) ENGINEERS **PLANNERS** PI STA 12+08.93 ഗ EX FACE Scientists INSTALL: OF CURB 1 - 8" 1/8 BEND. M. CONSTRUCTION MANAGERS 2" CI WTR= - EX 2" CI WATER 15021 Katy Freeway, Suite 200 Houston, TX 77094 VARD AVE TO BE ABANDONED - PROP 17 LF ~ 8" PVC Phone: 832,975,1565 C-900 WTR: www.kci.com - PROP 5 LF ~ 8" PVC TECHNOLOGIES TBPE Registration No. F-10573 PI STA 12+30.42 C-900 WTR INSTALL: \bigcirc 1 - 8" 1/8 BEND, MJ PROP 16 | F ~ 8" PVC C-900 WTR CUT & CAP EX 8" AC WATER MAIN, REMOVE TWO FULL SEGMENTS OF EX 8" AC WATER MAIN, +/- 26 LF ADDENDUM #1 JTM EX FACE DVD MAM OF CURB Drawn Approved STA 12+46.34 REVISIONS AFTER RELEASE FOR SERVICE, TIE NEW 8" PVC MAIN TO EXISTING 8" A.C. MAIN 2023 SMP PACKAGE 1 (REFUGIO, BLAINE ST, WARD AVE) PROP 59 LF INSTALL: ~ 8" PVC 1 - 8" 1/8 BEND, MJ C-900 WTR 1 - 8" GATE VALVE, MJ W/ STA 12+11.97 -WORK_LOCATION *2 6" VALVE BOX, COMPLETE RELAY 3/4" WARD AVE WATERLINE "B" SHEET 1 OF 2 1 - 8" TRANSITION COUPLING, MJ EX FH TO BE SHORT SERVICE 1 - 8" SOLID CAP, MJ REMOVED AND TAP: #070914 EX GATE 1 - 2" STD. BLOW OFF (TEMP 'SALVAGED (NSPI) DEVELOPER PROP METER BOX VALVE (REF. SAWS STD DWG DD-844-01 ID#277728 = 1 EA STA 12+25-42 CONT. BUDGET PROJ. PROP 8" PVC WATER PIPE, CUT ÁS REQ'D, +/- 26 LF S EX GATE VALVE -INSTALL FIRE HYDRANT: (NOT RESTRAIN ONE JOINT OUT FROM TIE-IN (N.S.P.I.) LOCATED IN 1 - 8"x6", ANCHOR TEE, MJ CONTRACTOR TO VERIFY NEAREST COLLAR AND RESTRAINT (N.S.P.I.) SUBMITTED SURVEY) (TO BE ABANDONED) 1 - 6" GATE VALVE, MJ 2/ INSTALL FOR CHLORINATION: APPROVED REMOVE TWO FULL 6" VALVE BOX, COMPLETE 2 - 1" CORP. STOP, CC x IP Ø REBECCA LEYVA 450 WARD AVENUE VOL. 10511PG. 425 O.P.R.B.C.T.) SEGMENTS OF 8" A.C. 6" DI PIPE, CUT AS REQ'D 2 - 1 1/4" SOLID CAPS. THR MAP No. 168562, 168564 SHEE! WATER PIPE 1 - 6" ANCHOR COUPLING \sim 2 - 1" COPPER TUBING, CUT AS REQ'D SECT. No. 11 1 - STD FIRE HYDRANT 2 - 1" COMP. x 1 1/4" COUPLING, CURB STOP JOB No.21-5054 (SEE SAWS STD. DWG DD-834-01) (SEE SAWS STD DWG DD-847-01)