



**SAN ANTONIO WATER SYSTEM
C-5 CULEBRA – CASTROVILLE TO LAREDO AND C-28 ZARZAMORA CREEK SAN
GABRIEL TO NW 23RD STREET, PHASE 1A
SAWS JOB NO. 14-4507
LAREDO STREET TO LOMA VISTA TO CHIHUAHUA PROJECT
SAWS JOB NO.14-4007**

SAWS SOLICITATION NO. CD-B-14-060-MF

ADDENDUM NO. 3

October 21, 2014



Consulting Engineer: CP&Y, Inc., TBEF Registration, #F-1741

Addendum No. 3

C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street, Phase 1A
SAWS Job No.14-4507

Laredo Street to Loma Vista to Chihuahua Project
SAWS Job No.14-4007

Solicitation No. CD-B-14-060-MF

SAN ANTONIO WATER SYSTEM

**C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd
Street, Phase 1A**

SAWS Job No.14-4507

Laredo Street to Loma Vista to Chihuahua Project

SAWS Job No.14-4007

Solicitation No. CD-B-14-060-MF

ADDENDUM NO. 3

October 21, 2014

This addendum, applicable to project noted above, is an amendment to the bidding and specification documents and as such shall be a part of and included in the Contract. Acknowledge receipt of this addendum by entering the addendum number and issue date in the spaces provided on all submitted copies of the proposal.

1.0 Addendum Purpose

The purpose of this addendum is to issue revisions and clarifications for the C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street, Phase 1A and Laredo Street to Loma Vista to Chihuahua Project.

2.0 Pre-Proposal Meeting

A mandatory pre-proposal meeting was held at 10:00 am on October 14, 2014. Based on the sign-in sheet that is posted as a separate document on the SAWS's website, proposals will be accepted only from the companies that attended the mandatory pre-proposal meeting.

3.0 Clarifications

- A. Bypass layouts, C-BP-01 through C-BP-03, shall be removed from the plans, and shall not be followed or used to determine Bypass Pumping costs. The contractor shall provide a bypass plan as a submittal to Construction Inspections for review and approval in accordance with SAWS Specification 864, "Bypass Pumping".
- B. Bid Items 205.4 ("Overlay) and 208.1 ("Mill) identified as 3" Depth and 2" Depth shall be for the Mill and Overlay work on Laredo St. and Canario St., respectively.

4.0 Modifications to Specifications

A. Delete Bid Proposal in its entirety and replace with the Bid Proposal attached to this addendum.

B. Special Conditions (SC) Specifications

1. Add the following:

“SC4. Risk Profile II, III [Modified – Installation Floater], IV, IX

Special Risk Exposure(s) Necessitating Additional Requirements:
Additional Insured for GL and UMB must include both ongoing and completed operations. UMB must be form following and sit excess of EL, AL, and GL.

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.”

2. Add, “Contractor shall verify with SAWS Counter Services located on the 2nd Floor, Tower II, for existing record drawings and system maps.”

C. Add the following provisions to SAWS Construction Specification 864, “Bypass Pumping”:

1. The Contractor shall use bypass pumping equipment that emit low-noise (80-db at 30-ft).

D. Revise the following in Specification 15084, Fiberglass Reinforced Pipe

1. 1.04.B.3

a. Remove existing sentence in its entirety.

b. Replace with “Stiffness: Minimum pipe stiffness when tested in accordance with ASTM D2412 shall normally be 150 psi.”

2. 1.06.A.2

a. Remove existing statement, “...between January 2008 and January 2011.”

b. Replace removed statement with “...between January 2010 and January 2013.”

3. 2.01.J.1

a. Remove statement “Tee-base shall have a 48-inch neck”

b. Replace removed statement with “Tee-base fitting shall have a branch diameter size equal to the size of the run diameter.”

5.0 Plans

A. Delete Sheet C-A-08, Sheet 15 of 45, and replace with attached sheet C-A-08.

B. Delete Sheet C-A-11, Sheet 18 of 45, and replace with attached sheet C-A-11.

C. Delete Sheet C-LP-01, Sheet 22 of 45, and replace with attached sheet C-LP-01.

D. Delete Sheet C-BP-01, Sheet 23 of 45, in its entirety.

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- E. Delete Sheet C-BP-02, Sheet 24 of 45, in its entirety.
- F. Delete Sheet C-WTR-01, Sheet 25 of 45, and replace with attached sheet C-WTR-01.

6.0 Questions

- **Q: Will the Geotechnical Report be available?**

A: Yes, the contractor shall coordinate with Ms. Maria Franco with the Contracting Department at maria.franco@saws.org and/or 210.233.3405 with regards to the procedures in obtaining the document.

- **Q: Is the quantity correct for the Mill and Overlay line items in the Bid Proposal?**

A: Yes, the quantity to Mill and Overlay are correct in the Bid Proposal.

- **Is all SAWS future advertisement going to be Request for Competitive Sealed Proposals?**

A: This will be determined on a case-by-case basis

- **Will there be a separate bid item for pavement striping?**

A: Pavement Striping will be added to the segment of Laredo that has been recently Milled and Overlaid. Attached Bid Proposal reflects those added Bid Line Items.

For the construction of this pipeline, beyond the limits of the Mill and Overlay that is to be performed on Laredo St., there is no separate pay item for those pavement markings damaged or removed during installation, as directed on Sheet Note 17, G-05, Sheet 5 of 45.

- **Will select fill or gravel subgrade filler be an additional pay item?**

A: No, select fill or gravel subgrade filler is not a separate pay item. Refer to SAWS Specification 804, "Excavation, Trenching and Backfill".

- **Will a Traffic Control Plan be submitted?**

A: According to the Contract Documents, a traffic plan will have to be submitted for review to SAWS and COSA ROW.

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C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street, Phase 1A
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- **Does the Traffic Control Plan have to be signed by a Professional Engineer within the company or can it be signed by a Professional Engineer that who is not within the company?**

A: The Traffic Control Plan can be signed and sealed by either a licensed/registered engineer within the company or third-party engineer.

- **Will there be an allowance for point repairs on existing lines and for heavy-duty cleaning?**

A: No, there will not be an allowance for point repairs and heavy duty cleaning on existing sanitary sewer mains. The Contractor shall adhere to SAWS Construction Specification 868, "Sewer Main Cleaning" for the pre-televising work to be performed on existing mains.

- **When will the Notice to Proceed be issued?**

A: Expected Board Approval is January 2015 and tentative date for NTP is February 2015.

- **Verify the testing that has to be performed on the pipeline.**

A: Contractor shall field test the pipeline in accordance with SAWS Specification 849, "Sanitary Sewer Pipe Air and Deflection Testing". Manufacturer shall shop test the pipe in accordance with Technical Specification 15084, "Fiberglass Reinforced Pipe".

- **Will the contractor be required to remove all traffic control at the end of each working day for the entirety of this project? Will the contractor need to cover all open trenches with plates, and make all lanes of travel available at the end of each working day? Would it be acceptable to leave the traffic control devices in place, and provide temporary access controls for driveways affected by construction?**

A: Due to the amount of traffic on Laredo and COSA Specification 530, Contractor shall perform the following on Laredo between Project Beginning and Zarzamora:

- 1. Remove traffic control devices at the end of the work day*
- 2. Trenches shall be backfilled and covered with steel plates at the end of each work-day.*
- 3. All lanes shall be allowed for traffic at the end of each work day*

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C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street, Phase 1A

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No, it would not be acceptable to leave traffic control devices in place and allow access controls for driveways affected by construction on Laredo between Project Beginning and Zarzamora, as indicated in the Traffic Control Plans.

- **Will the contractor be required to remove all equipment, materials, and any other appurtenances from the ROW during non-working hours? This question is also related to Note #4, and will be effected by that decision.**

A: Yes, the contractor will be required to remove all equipment, materials and other appurtenances from the ROW on Laredo between Project Beginning and Zarzamora.

- **Please clarify tee base neck size?**

A: The tee base neck will be based on the size of the pipe. The 48-in tee base neck indicated in the plans will be revised to reflect the correct size.

- **What is the pipe stiffness for this project?**

A: The pipe stiffness for this project will be SN 72.

- **Since there is a full street width mill and overlay required, will SAWS issue a bid item for all of the required shipping associated with this work?**

A: No, the work required to perform the mill and overlay for this project is in accordance with COSA specifications, and will be measured and paid for as directed.

- **Since the contractor does not see the ROW permit until after our bid has been turned in, I am asking for a definitive answer from SAWS that the contractor will be able to keep his daytime traffic and pedestrian closures closed for 24 hours until he is ready to move to the next block or segment. Due to the size of pipe and the depth, we will not be able to remove all equipment and material on a nightly basis as is the stated ROW condition. If SAWS cannot supply a clear yes or no answer I am requesting SAWS to schedule a pre-bid meeting on site with all ROW or COSA personnel present to be able to render this decision.**

A: Due to the amount of traffic on Laredo and COSA Specification 530, Contractor shall perform the following on Laredo between Project Beginning and Zarzamora:

1. *Remove traffic control devices at the end of the work day*

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C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street, Phase 1A

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2. *Trenches shall be backfilled and covered with steel plates at the end of each work-day.*
3. *All lanes shall be allowed for traffic at the end of each work day*

No, it would not be acceptable to leave traffic control devices in place and allow access controls for driveways affected by construction on Laredo between Project Beginning and Zarzamora, as indicated in the Traffic Control Plans.

- **Based on our initial review of the plans/specifications, we believe the total estimated cost of this project will exceed the engineer's estimate of \$5.1 million. Will the engineer reassess the total estimated cost?**

A: Yes, the engineer will reassess the cost as changes are incorporated into the plans.

- **Should all contractors submit proposals higher than the engineers estimate will the SAWS re-bid this project?**

A: That cannot be determined at this time.

- **Will the engineer delineate stationing on the waterline?**

A: No, the engineer will not delineate stationing for the waterline.

- **Plan sheet 25 of 45 shows an existing storm sewer at approx. STA 10+25, will the water line need to be installed above or below the existing storm sewer?**

A: The waterline will need to be adjusted underneath the 15-in existing storm sewer. The plans will be revised to reflect the change in design.

- **Will the engineer provide a profile view of the waterline?**

A: No, the engineer will not provide a profile view. The waterline shall be installed in accordance with SAWS Specification 818, "PVC Pipe Installation" and SAWS Detail DD-812-01.

- **Plan sheet 18 of 45 shows an 8" Elm tree on-centerline of the proposed sewer at approx. STA 60+20, please verify that the contractor will be allowed to remove the 8" Elm.**

A: This plan will be revised to show the proposed bore being extended to the south to avoid the removal of said tree.

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C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street, Phase 1A
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- **For public safety at the playground near STA 60+00, will the contractor be allowed to temporarily close the playground while construction operations are on-going within the limits of the playground?**

A: Yes, Contractor shall ensure safety to the public as well as their own workers in accordance with the latest OSHA, state and local government rule, laws and ordinances.

- **Due to working in close proximity of existing structures (i.e. homes, businesses, etc...) will builders risk insurance be required for this project?**

A: Builders Risk is required; refer to General Conditions 5.7.1.8 (GC 26).

- **Due to the large volume of data associated with the submission of envelope (or box) 2, will the Owner allow for envelope (or box) 2 to be turned in within 24-hours of submitting envelope 1 (signed price proposal)?**

A: No, contractor must submit as stated on the solicitation document.

- **In the spirit of being economical, will the Owner allow for one (1) Original Proposal and one (1) CD of the Original Proposal (excluding the price proposal and financial statement) be submitted in lieu of the seven (7) copies as referenced in the respondent's proposal checklist?**

A: No, contractor must submit as stated on the solicitation document.

- **Please verify that the six (6) sealed proposals (one original and five copies), as mentioned on IR-1, are in reference to the proposals that are to be included in envelope (or box) 2. If so, please clarify if contractors are to submit one original and five copies (as per IR-1) or one original and seven copies (as per CH-1).**

A: Please follow the submission document requirements of the solicitation.

- **For consistency amongst all bidders, please disclose all permits the contractor will be required to obtain to construct this project.**

A: The contractor will be required to obtain a COSA ROW Permit.

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C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street, Phase 1A
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- **For consistency amongst all bidders, please disclose the permit fee/s the contractor will have to pay when obtaining permits to construct this project.**

A: Per the General Conditions of the Contract Documents (see sheet GC-21, .7 “Permits”), the Contractor shall be responsible for the acquisition and payment for COSA ROW Permits and all associated fees. Contractor shall coordinate with the COSA Department of Public Works, Right-of-Way Management Division at 210.207.8022

*(<http://www.sanantonio.gov/publicworks/rightofwayandpermits.aspx>)
for accurate and additional information.*

- **As mentioned in the mandatory pre-bid meeting, please verify that the contractor will not be allowed to use the traffic control plan provided in the plans.**

A: The traffic control plan provided by the Consultant Engineer may be followed. If the Contractor elects not to use the provided traffic control plan, it will be incumbent upon the Contractor to provide a traffic control plan for the CONSULTANT and COSA ROW’s review.

- **As mentioned in the mandatory pre-bid meeting, please clarify the following: will the contractor be required to retain the services of an independent engineer to sign and seal the proposed traffic control plan/s for this project?**

A: The Traffic Control Plan can be signed by either a licensed/registered engineer within the company or third-party engineer.

- **As mentioned in the mandatory pre-bid meeting, please clarify the following: will the contractor be required to retain the services of an independent engineer to sign and seal the proposed bypass pumping plan/s for this project?**

A: The Bypass Pumping Plan shall be prepared in accordance with SAWS Specification 864, “Bypass Pumping”.

- **Sheet C-A-10 indicates a bore between STA 57+68 & 57+88 (20 LF) but notes the steel casing to be 30 LF, which is correct?**

A: Contractor shall note that there is a Station Equation at this location which has added 10-lf of additional pipe.

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C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street, Phase 1A

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- **Will contractors be allowed to ask questions on addendum related items?**

A: There is only one “Questions and Answers” period.

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C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street, Phase 1A

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ACKNOWLEDGEMENT BY BIDDER

Each bidder is requested to acknowledge receipt of this Addendum No. 3 and the associated attachments by his/her signature affixed hereto and to file same and attach with his/her bid.

The undersigned acknowledges receipt of this Addendum No. 3 along with the bid submitted herewith is in accordance with the information and stipulations set forth.

Date

Signature

END OF ADDENDUM NO. 3

**C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street,
Phase 1A, Laredo Street to Loma Vista to Chihuahua Street**

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PRICE PROPOSAL

PROPOSAL OF _____, a corporation _____

a partnership consisting of _____
an individual doing business as _____

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitations for Competitive Sealed Proposals, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the project as specified, in accordance with the Plans and Specifications for the following prices to wit:

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
SAWS JOB NO. 14-4507 (SEWER):					
103.1	Remove Concrete Curb _____ Dollars and _____ Cents	LF	90	_____	_____
103.3	Remove Concrete Sidewalks and Driveways _____ Dollars and _____ Cents	SF	2,142	_____	_____
202.1	Prime Coat _____ Dollars and _____ Cents	GAL	4,126	_____	_____
203.1	Tack Coat _____ Dollars and _____ Cents	GAL	2,063	_____	_____
205.4	Hot Mix Asphaltic Concrete Pavement, Type D (2" Compacted Depth) _____ Dollars and _____ Cents	SY	580	_____	_____
205.4	Hot Mix Asphaltic Concrete Pavement, Type D (3" Compacted Depth) _____ Dollars and _____ Cents	SY	20,051	_____	_____
208.1	Salvage, Haul, Stockpile Asphalt Pavement (2" Depth) _____ Dollars and _____ Cents	SY	580	_____	_____
208.1	Salvage, Haul, Stockpile Asphalt Pavement (3" Depth) _____ Dollars and _____ Cents	SY	20,051	_____	_____
500.1	Concrete Curb _____ Dollars and _____ Cents	LF	90	_____	_____
502.1	Concrete Sidewalks _____ Dollars and _____ Cents	SY	238	_____	_____
511.3	Replacing with Hot Mix Asphaltic Concrete Pavement (3" Type D & 10" Type B) _____ Dollars and _____ Cents	SY	3,992	_____	_____

**C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street,
Phase 1A, Laredo Street to Loma Vista to Chihuahua Street**

Solicitation No. CD-B-14-060-MF

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
511.3	Replacing with Hot Mix Asphaltic Concrete Pavement (2" Type D & 10" Type B) _____ Dollars and _____ Cents	SY	354	_____	_____
520	Hydromulching _____ Dollars and _____ Cents	SY	2,328	_____	_____
530.1	Barricades, Signs and Traffic Handling _____ Dollars and _____ Cents	LS	1	_____	_____
535.1	4-inch Wide Yellow Line _____ Dollars and _____ Cents	LF	7,500	_____	_____
535.2	4-inch Wide White Line _____ Dollars and _____ Cents	LF	3,720	_____	_____
535.4	8-inch Wide White Line _____ Dollars and _____ Cents	LF	110	_____	_____
535.7	24-inch Wide White Line _____ Dollars and _____ Cents	LF	22	_____	_____
535.9	Left White Arrow _____ Dollars and _____ Cents	EA	2	_____	_____
537.6	Pavement Marker (Type 1-C) _____ Dollars and _____ Cents	EA	94	_____	_____
537.8	Pavement Marker (Type II A-A) _____ Dollars and _____ Cents	EA	94	_____	_____
540	Temporary Erosion, Sedimentation and Water Pollution Prevention and Control _____ Dollars and _____ Cents	LS	1	_____	_____
550	Trench Excavation Protection _____ Dollars and _____ Cents	LF	6,129	_____	_____
848	8-in Sanitary Sewer Line (6'-10') _____ Dollars and _____ Cents	LF	34	_____	_____
848	10-in Sanitary Sewer Line (6'-10') _____ Dollars and _____ Cents	LF	53	_____	_____
848	12-in Sanitary Sewer Line (6'-10') _____ Dollars and _____ Cents	LF	12	_____	_____

**C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street,
Phase 1A, Laredo Street to Loma Vista to Chihuahua Street**

Solicitation No. CD-B-14-060-MF

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
848	36-in Sanitary Sewer Line (10'-14') _____ Dollars and _____ Cents	LF	442	_____	_____
848	36-in Sanitary Sewer Line (14'-18') _____ Dollars and _____ Cents	LF	819	_____	_____
848	36-in Sanitary Sewer Line (18'-22') _____ Dollars and _____ Cents	LF	1,488	_____	_____
848	42-in Sanitary Sewer Line (6'-10') _____ Dollars and _____ Cents	LF	416	_____	_____
848	42-in Sanitary Sewer Line (10'-14') _____ Dollars and _____ Cents	LF	700	_____	_____
848	42-in Sanitary Sewer Line (14'-18') _____ Dollars and _____ Cents	LF	400	_____	_____
848	42-in Sanitary Sewer Line (18'-22') _____ Dollars and _____ Cents	LF	1,764	_____	_____
853	FRP Tee Base Manhole _____ Dollars and _____ Cents	EA	32	_____	_____
853.1	FRP Tee Base Manhole Extra Depth _____ Dollars and _____ Cents	VF	338	_____	_____
854	Sanitary Sewer Laterals _____ Dollars and _____ Cents	LF	843	_____	_____
854.1	One-Way Sanitary Sewer Clean-out _____ Dollars and _____ Cents	EA	47	_____	_____
856.1	Jacking, Boring or Tunneling 54-in _____ Dollars and _____ Cents	LF	117	_____	_____
856.2	36-in Carrier Pipe for Jacking, Boring, Tunneling _____ Dollars and _____ Cents	LF	117	_____	_____
858	Concrete Encasement, Cradles, Saddles and Collars _____ Dollars and _____ Cents	CY	61	_____	_____
860	Vertical Stacks _____ Dollars and _____ Cents	VF	328	_____	_____

**C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street,
Phase 1A, Laredo Street to Loma Vista to Chihuahua Street**

Solicitation No. CD-B-14-060-MF

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
862	Abandonment of Sanitary Sewer Main _____ Dollars and _____ Cents	LF	6,763	_____	_____
864	Bypass Pumping _____ Dollars and _____ Cents	LS	1	_____	_____
866	Sewer Main Television Inspection (8" through 15" Dia.) _____ Dollars and _____ Cents	LF	99	_____	_____
866	Sewer Main Television Inspection (27" through 36" Dia.) _____ Dollars and _____ Cents	LF	2,867	_____	_____
866	Sewer Main Television Inspection (42" through 48" Dia.) _____ Dollars and _____ Cents	LF	3,280	_____	_____
	Existing Main Pre-Televising _____ Dollars and _____ Cents	LF	8,991	_____	_____
	Remove, Salvage and Replace Wrought Iron Fence _____ Dollars and _____ Cents	LS	1	_____	_____
	Relocate Existing Gas Mains _____ Dollars and _____ Cents	ALLOWANCE		<u>\$30,000</u>	<u>\$30,000</u>

SUBTOTAL SAWS JOB NO. 14-4507 (SEWER): \$ _____

**C-5 Culebra – Castroville to Laredo and C-28 Zarcamora Creek San Gabriel to NW 23rd Street,
Phase 1A, Laredo Street to Loma Vista to Chihuahua Street**

Solicitation No. CD-B-14-060-MF

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
SAWS JOB NO. 14-4007 (WATER):					
511.3	Replacing with Hot Mix Asphaltic Concrete Pavement (3" Type D & 10" Type B) _____ Dollars and _____ Cents	SY	567	_____	_____
530.1	Barricades, Signs and Traffic Handling _____ Dollars and _____ Cents	LS	1	_____	_____
540	Temporary Erosion, Sedimentation and Water Pollution Prevention and Control _____ Dollars and _____ Cents	LS	1	_____	_____
550	Trench Excavation Protection _____ Dollars and _____ Cents	LF	975	_____	_____
818	6" Water Line _____ Dollars and _____ Cents	LF	10	_____	_____
818	8" Water Line _____ Dollars and _____ Cents	LF	923	_____	_____
818	16" Water Line _____ Dollars and _____ Cents	LF	52	_____	_____
824	Relay ¾" Metered Service Line (Long) _____ Dollars and _____ Cents	EA	19	_____	_____
828	8" Gate Valve _____ Dollars and _____ Cents	EA	3	_____	_____
828	16" Gate Valve _____ Dollars and _____ Cents	EA	1	_____	_____
831	16" X 8" Cut-in-Tee _____ Dollars and _____ Cents	EA	1	_____	_____
836	Ductile Iron Fittings _____ Dollars and _____ Cents	TON	2.0	_____	_____
840	6" Tie-ins _____ Dollars and _____ Cents	EA	2	_____	_____
840	16" Tie-ins _____ Dollars and _____ Cents	EA	2	_____	_____

**C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street,
Phase 1A, Laredo Street to Loma Vista to Chihuahua Street**

Solicitation No. CD-B-14-060-MF

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
841	Hydrostatic Testing Operations _____ Dollars and _____ Cents	EA	1	_____	_____
844	2" Temporary Blowoff _____ Dollars and _____ Cents	EA	1	_____	_____
3000	Removal, Transportation and Disposal of A.C. Pipe _____ Dollars and _____ Cents	LF	650	_____	_____
SUBTOTAL SAWS JOB NO. 14-4007 (WATER):				\$ _____	

Proposal Summary

SUBTOTAL SAWS JOB NO. 14-4507 (SEWER): \$ _____

SUBTOTAL SAWS JOB NO. 14-4007 (WATER): \$ _____

LINE ITEM "A"

SUBTOTAL BASE BID (WATER & SEWER) \$ _____

	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
100 MOBILIZATION Percent of the <u>Line Item "A"</u> Subtotal Base Bid written in words _____ Percent (Maximum of 10% of the <u>Line Item "A"</u> Subtotal Base Bid amount)	LUMP SUM	1	_____	\$ _____
101 PREPARING R.O.W. Percent of the <u>Line Item "A"</u> Subtotal Base Bid written in words _____ Percent (Maximum of 5% of the <u>Line Item "A"</u> Subtotal Base Bid amount)	LUMP SUM	1	_____	\$ _____
MOBILIZATION AND PREPARING ROW SUB-TOTAL				\$ _____

**C-5 Culebra – Castroville to Laredo and C-28 Zarzamora Creek San Gabriel to NW 23rd Street,
Phase 1A, Laredo Street to Loma Vista to Chihuahua Street**

Solicitation No. CD-B-14-060-MF

Mobilization lump sum bid shall be limited to a maximum 10% of the Line Item "A" Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Item "A" Sub-total Base Bid amount. The Line Item "A" Sub-total base bid is defined as all bid items EXCLUDING Item 100, 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.

TOTAL BID AMOUNT (Line Item "A", Mobilization & Preparing Right of Way) \$ _____

_____ DOLLARS AND

_____ CENTS

RESPONDENT'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.



FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following:
Addendum Nos. _____

The Respondent offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within 365 calendar days after the start date, as set forth in the Authorization to Proceed. The Respondent 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 Proposal which are included on the following pages.

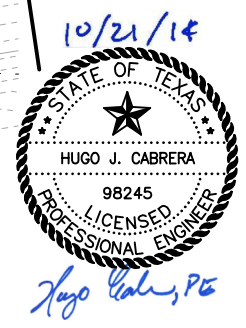
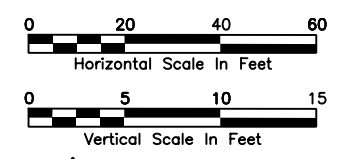
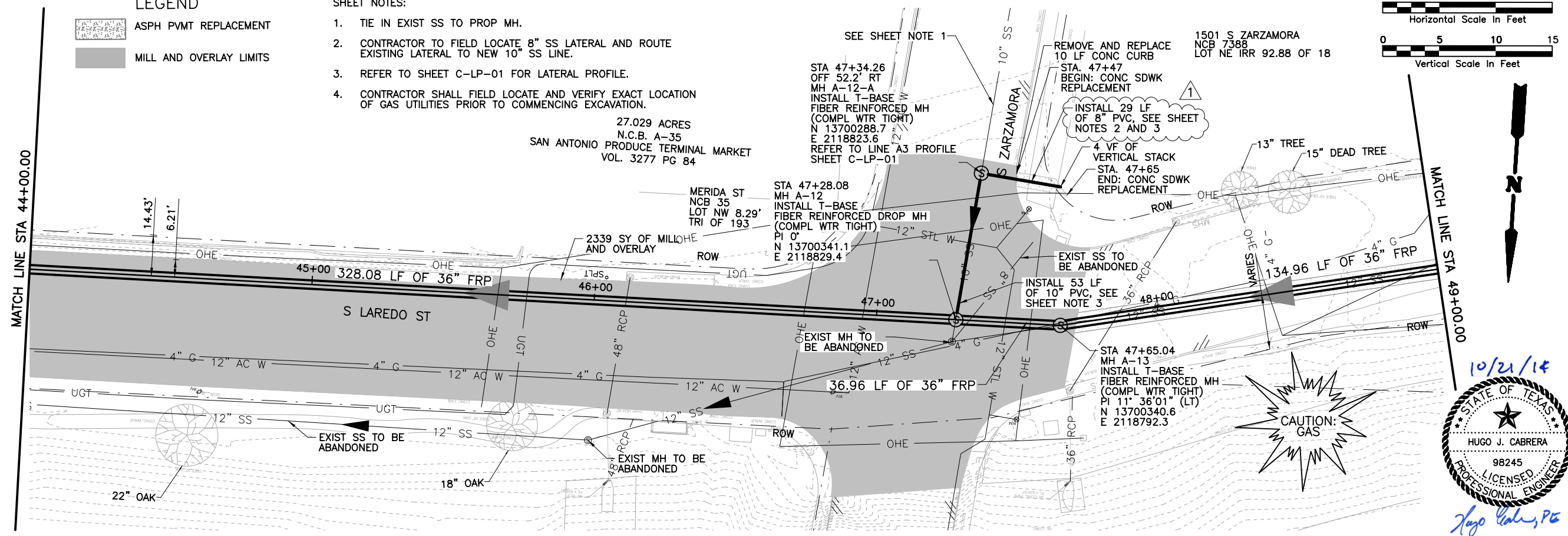
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LEGEND

-  ASPH PVMT REPLACEMENT
-  MILL AND OVERLAY LIMITS

SHEET NOTES:

1. TIE IN EXIST SS TO PROP MH.
2. CONTRACTOR TO FIELD LOCATE 8" SS LATERAL AND ROUTE EXISTING LATERAL TO NEW 10" SS LINE.
3. REFER TO SHEET C-LP-01 FOR LATERAL PROFILE.
4. CONTRACTOR SHALL FIELD LOCATE AND VERIFY EXACT LOCATION OF GAS UTILITIES PRIOR TO COMMENCING EXCAVATION.



EXIST GRND ELEV	PROP FL ELEV	44+00	45+00	46+00	47+00	48+00	49+00	610	615	620	625	630	635	640	645	650	655
641.7	626.1																
641.6	626.3																
641.5	626.4																
641.5	626.5																
641.4	626.7																
641.3	626.8																
641.2	626.9																
641.2	627.1																
641.0	627.2																
641.0	627.3																
640.8	627.5																
640.7	627.6																
640.7	627.7																
641.5	627.8																
641.7	628.0																
642.2	628.1																
642.6	628.2																
642.9	628.3																
643.0	628.3																
642.7	628.4																
643.2	628.6																
643.4	628.7																
643.5	628.9																
643.9	629.0																
644.0	629.2																
644.8	629.4																
610	615	620	625	630	635	640	645	650	655								

SAWS JOB NO. 14-4507

CP&Y
300 E. SONTERRA BLVD.
SAN ANTONIO, TX 78258
TBE REGISTRATION #1741

SAN ANTONIO WATER SYSTEM

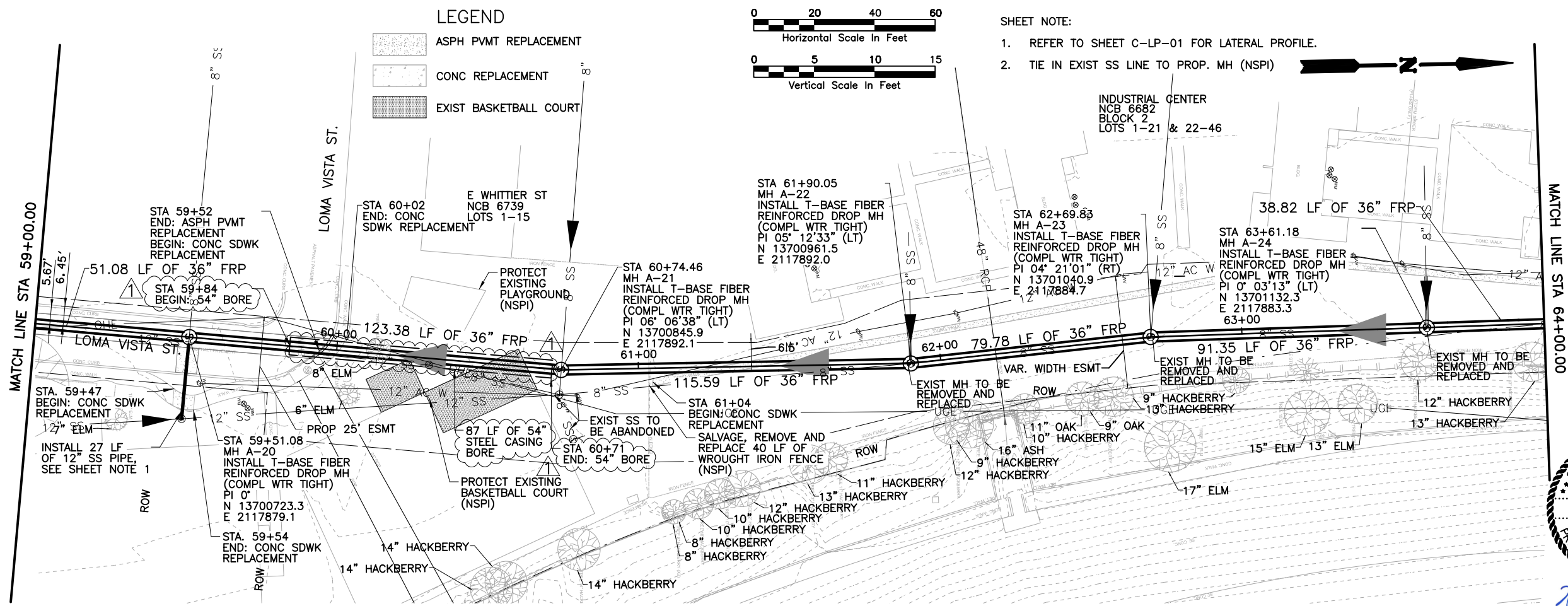
DATE: SEPT 2014
DESIGNED: LM
DRAWN: EGG
REVIEWED: HJC
CP&Y Proj. No. SAW1105.00

SAN ANTONIO WATER SYSTEM
PHASE 1 C-5 - CULEBRA - CASTROVILLE TO LAREDO &
C-28 - ZARZAMORA CREEK - SAN GABRIEL TO NW 23RD ST

P&P - STA 44+00 TO 49+00

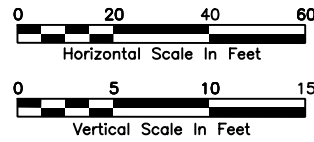
SHEET C-A-08
SHEET 15 OF 45

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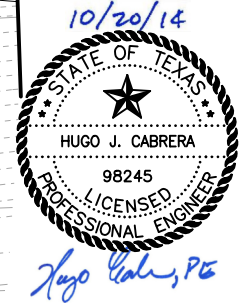
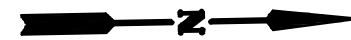
LEGEND

- ASPH PVMT REPLACEMENT
- CONC REPLACEMENT
- EXIST BASKETBALL COURT



SHEET NOTE:

1. REFER TO SHEET C-LP-01 FOR LATERAL PROFILE.
2. TIE IN EXIST SS LINE TO PROP. MH (NSPI)



EXIST GRND ELEV	PROP FL ELEV	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION	STATION	DESCRIPTION
615	615.0	59+00		615.0		61+00		615.0		63+00		63+00		63+00	
620	620.0	59+00	51.08 LF OF 36" FRP @ 0.17%	620.0		61+00	115.59 LF OF 36" FRP @ 0.17%	620.0		63+00	91.35 LF OF 36" FRP @ 0.05%	63+00		63+00	
625	625.0	59+00	INVT. FL. (IN) 631.84 INVT. 8" FL. (IN) 647.16 INVT. 12" FL. (IN) 643.89 INVT. 8" FL. (IN) 634.84 INVT. 12" FL. (IN) 634.84 INVT. FL. (OUT) 631.84	625.0		61+00	INVT. FL. (IN) 632.05 INVT. 8" FL. (IN) 645.72 INVT. 8" FL. (IN) 635.05 INVT. FL. (OUT) 632.05	625.0		63+00	INVT. FL. (IN) 632.29 INVT. 8" FL. (IN) 643.88 INVT. 8" FL. (IN) 635.29 INVT. FL. (OUT) 632.29	625.0		63+00	INVT. FL. (IN) 632.34 INVT. 8" FL. (IN) 645.52 INVT. 8" FL. (IN) 635.34 INVT. FL. (OUT) 632.34
630	630.0	59+00		630.0		61+00		630.0		63+00		63+00		63+00	
635	635.0	59+00	STA. 59+84 END 54" BORE	635.0		61+00	STA. 60+71 END 54" BORE	635.0		63+00		63+00		63+00	
640	640.0	59+00		640.0		61+00		640.0		63+00		63+00		63+00	
645	645.0	59+00		645.0		61+00		645.0		63+00		63+00		63+00	
650	650.0	59+00		650.0		61+00		650.0		63+00		63+00		63+00	
655	655.0	59+00	STA. 59+51.08 DROP MH A-20 GRND. ELEV. 652.2	655.0		61+00	STA. 60+74.46 DROP MH A-21 GRND. ELEV. 652.6	655.0		63+00	STA. 62+69.83 DROP MH A-23 GRND. ELEV. 651.0	655.0		63+00	STA. 63+61.18 DROP MH A-24 GRND. ELEV. 651.3
660	660.0	59+00		660.0		61+00		660.0		63+00		63+00		63+00	

SAWS JOB NO. 14-4507



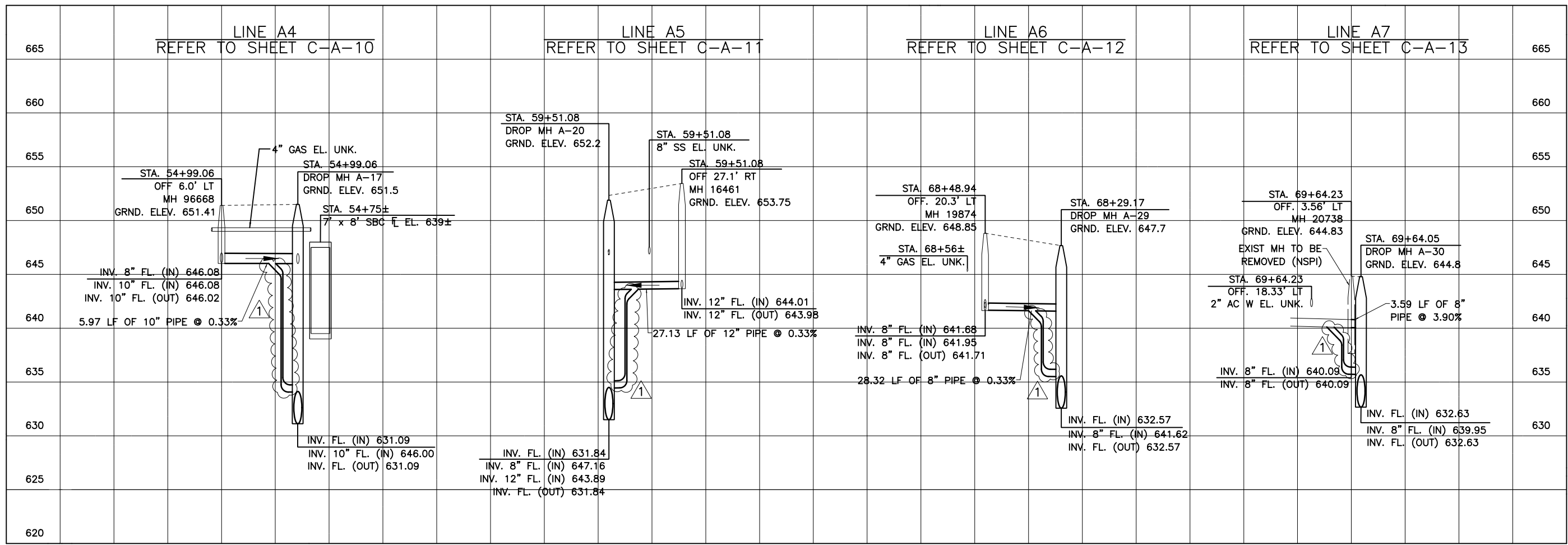
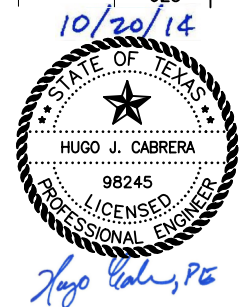
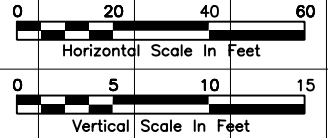
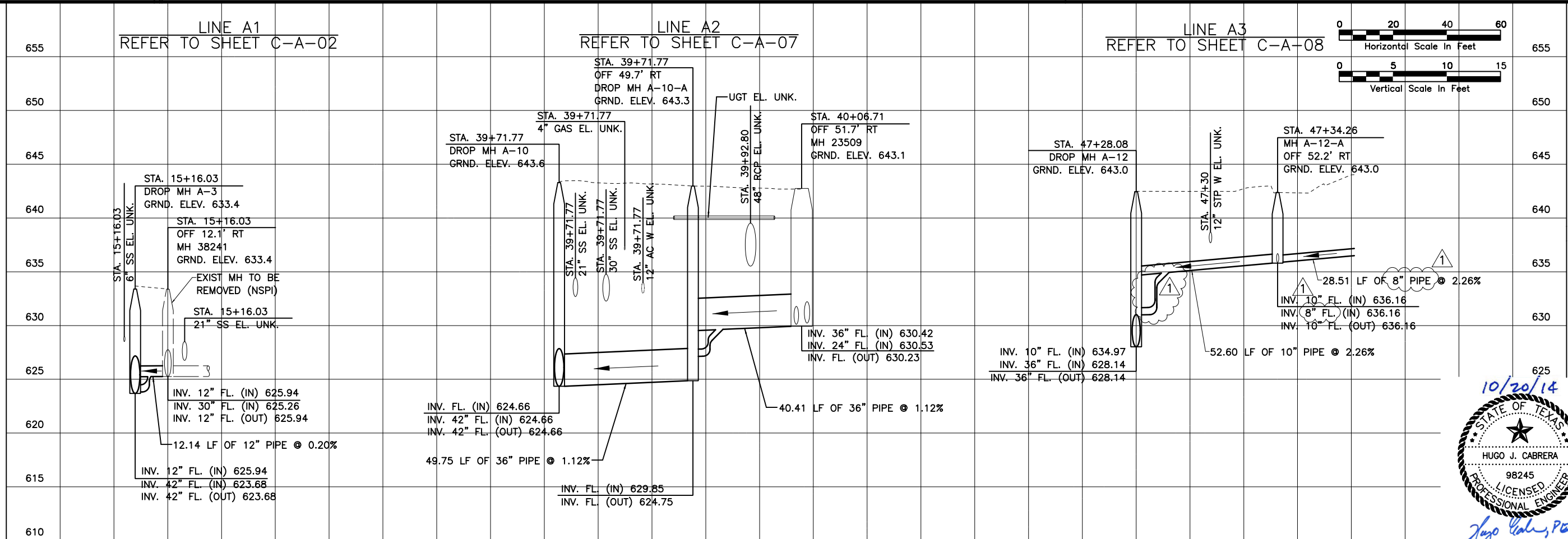
SAN ANTONIO WATER SYSTEM

NO.	REVISION	DATE
1	ADDENDUM 1	GJM 10/17/14

SAN ANTONIO WATER SYSTEM
 PHASE 1 C-5 - CULEBRA - CASTROVILLE TO LAREDO &
 C-28 - ZARZAMORA CREEK - SAN GABRIEL TO NW 23RD ST
 P&P - STA 59+00 TO STA 64+00

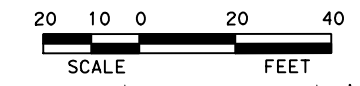
Date:	SEPT 2014
Designed:	LM
Drawn:	EGG
Reviewed:	HJC
CP&Y Proj. No.	SAW1105.00

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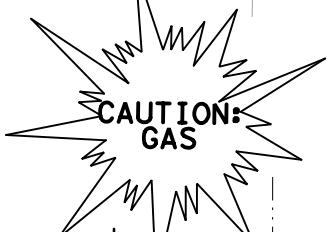
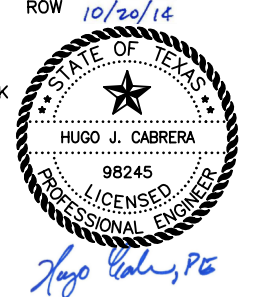
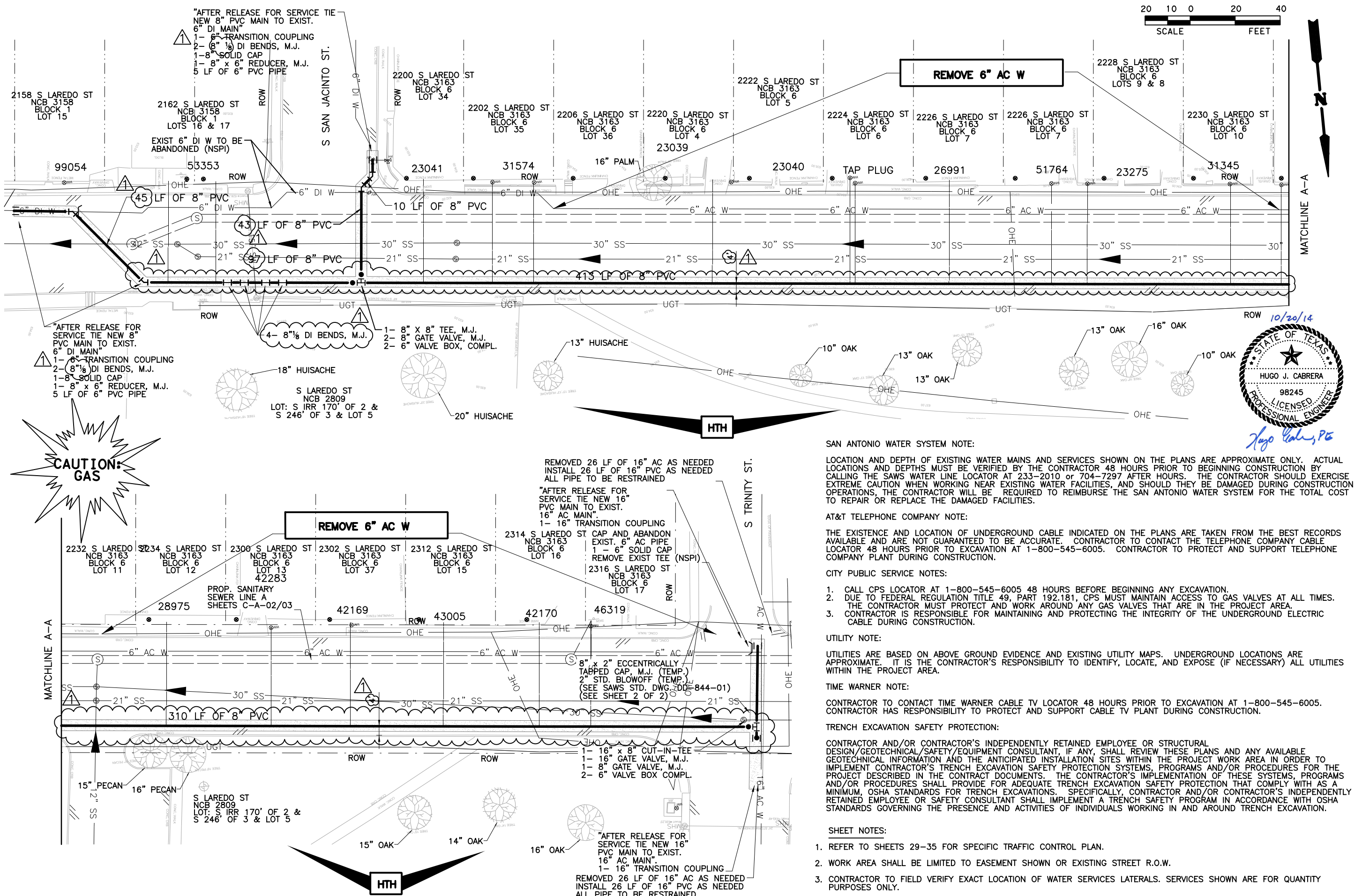


SAWS JOB NO. 14-4507															
 300 E. SONTERRA BLVD. SAN ANTONIO, TX 78258 T&E REGISTRATION #1741															
 SAN ANTONIO WATER SYSTEM															
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DATE: SEPT 2014	DESIGNED: LM	DRAWN: LM	REVIEWED: HJC												
CP&Y Proj. No. SAWS1105.00															
SAN ANTONIO WATER SYSTEM PHASE 1 C-5 - CULEBRA - CASTROVILLE TO LAREDO & C-28 - ZARZAMORA CREEK - SAN GABRIEL TO NW 23RD ST LATERAL PROFILES STA. 15+16.03 TO STA. 69+64.23															
SHEET C-LP-01 SHEET 22 OF 45															

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SAWS JOB NO. 14-4007



SAN ANTONIO WATER SYSTEM NOTE:
 LOCATION AND DEPTH OF EXISTING WATER MAINS AND SERVICES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR 48 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING THE SAWS WATER LINE LOCATOR AT 233-2010 OR 704-7297 AFTER HOURS. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING WATER FACILITIES, AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REIMBURSE THE SAN ANTONIO WATER SYSTEM FOR THE TOTAL COST TO REPAIR OR REPLACE THE DAMAGED FACILITIES.

AT&T TELEPHONE COMPANY NOTE:
 THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

CITY PUBLIC SERVICE NOTES:
 1. CALL CPS LOCATOR AT 1-800-545-6005 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
 2. DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
 3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING THE INTEGRITY OF THE UNDERGROUND ELECTRIC CABLE DURING CONSTRUCTION.

UTILITY NOTE:
 UTILITIES ARE BASED ON ABOVE GROUND EVIDENCE AND EXISTING UTILITY MAPS. UNDERGROUND LOCATIONS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY, LOCATE, AND EXPOSE (IF NECESSARY) ALL UTILITIES WITHIN THE PROJECT AREA.

TIME WARNER NOTE:
 CONTRACTOR TO CONTACT TIME WARNER CABLE TV LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT CABLE TV PLANT DURING CONSTRUCTION.

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 ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY 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.

SHEET NOTES:
 1. REFER TO SHEETS 29-35 FOR SPECIFIC TRAFFIC CONTROL PLAN.
 2. WORK AREA SHALL BE LIMITED TO EASEMENT SHOWN OR EXISTING STREET R.O.W.
 3. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF WATER SERVICES LATERALS. SERVICES SHOWN ARE FOR QUANTITY PURPOSES ONLY.
 4. ALL NEW PIPE THAT IS USED TO TIE INTO EXISTING WATER MAINS SHALL BE RESTRAINED FROM THE TIE-IN CONNECTION FOR A DISTANCE EQUIVALENT TO THE RESTRAINED LENGTH OF A DEAD END MAIN OR TO D.I. CROSS FITTING.

NO.	REVISION	DATE
1	ADDENDUM 1	GJM 10/17/14

VERIFY SCALE 1" = 40'

SAN ANTONIO WATER SYSTEM
 PHASE 1 C-5 - CULEBRA - CASTROVILLE TO LAREDO & C-28 - ZARZAMORA CREEK - SAN GABRIEL TO NW 23RD ST

Date:	SEPT 2014
Designed:	HJC
Drawn:	LM
Reviewed:	HJC
CP&Y Proj. No.	SAW1105.00