



**MULTIPLE SEWERSHED  
PACKAGE 12-CIPP  
SAWS Solicitation No. CO- 00332  
SAWS Job No. 19-4544**

**ADDENDUM 2  
April 10, 2020**

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 time on 04/17/20 is the bid for this project due? The Invitation to Bidders in the specifications says the bid is due at 11:00 AM, but the information on the online project info page says the bid is due at 2:00 PM. Please clarify which is correct.**

*Response: The revised Invitation to Bidders is included in this addendum. See Changes to the Specifications #1.*

2. Question: **Are there pipe inspection videos available for this project? If so, please provide the Disclosure Form and any instructions necessary for the bidders to access them.**

*Response: Videos are available for this project. Please refer to Changes to the Specifications #11 for instructions.*

3. Question: **There are no Special Provisions to Technical Specifications (SPTS) included in the specification book, but it appears from the bid schedule requiring hot water cure for the CIPP, that there should at least be some modifications to standard specification 901 provided. Should there be an SPTS section in the specification documents?**

*Response: Hot water is the only method authorized by SAWS for CIPP. The Special Provisions to Technical Specifications (SPTS) "901 - Rehabilitation of Sanitary Sewer by Cured-in-Place Pipe" is included in this Addendum.*

4. Question: **It appears the Statement on President's Executive Orders clause, which is required per the Bid Packet Checklist, is missing from the Instructions to Bidders. Normally included as the 3rd of four paragraphs in IB-20(d) on page IB-6 &/or IB-7, it appears to have been omitted from the Instructions to Bidders for this project. If it is still required to be submitted with the bid, please provide a revised Instructions to Bidders page including the required Statement on President's Executive Orders clause. If it is no longer required to be submitted with the bid, please provide a revised Bid Packet Checklist that does not show it as an item required to be submitted with the bid.**

*Response: The revised Instructions to Bidders page IB-7 is included in this addendum.*

5. Question: **The Special Conditions make reference to Appendices and Right-of-Entry (ROE) agreements being included in the documents, but the specification book currently does not include any Appendices or ROE**

agreements. In the third paragraph under Performance Time, bidders are specifically instructed to see ROE agreements in Appendix B for specific schedule limitations for each property. In the second paragraph under Right of Entry and Access, the specs say that access to project locations are defined in the Right-of-Entry and Right-to-Construct exhibits, and in the third paragraph under Right of Entry and Access, the specifications again instruct the bidder to see ROE agreements in Appendix B for more information. Also, in the second paragraph of Construction Access and Staging Area, the bidder is instructed to refer to specific limitations of ROE agreements in the Appendix. Should there be Appendices &/or ROE agreements included in the specification documents?

*Response: References to Right-of-Entry (ROE) agreements and Right-to-Construct exhibits are modified. Refer to Changes to the Specifications included in this addendum. Documents corresponding to Right-of-Entries will be made available to the Contractor following contract award.*

6. Question: **The Table of Estimated Quantities for the Picoso area on drawing sheet 19 calls for 5 CY of concrete encasement, cradles, saddles and collars, but this work does not appear to be noted or called out on the drawing itself. Please clarify how this concrete work will be used, and depending on what scope of work it is tied to, why it is not a pay item for any of the other areas.**

*Response: Quantities for Item 858, "Concrete Encasement, Cradles, Saddles and Collars" has been removed from quantity box on sheet 17. Revised sheet 17 is included in this addendum.*

7. Question: **Is the bypass plan on drawing sheet 21 for the Picoso area missing some information?**

*Response: Sanitary sewer main from N. Picoso to N. Hamilton is a dead-end main that provides services to a limited number of lots. Contractor shall coordinate with the property owners to minimize sewer facility usage during construction and/or intercept sewer lateral flows as needed. Revised sheet 21 is included in this addendum.*

8. Question: **Bid item 23 for manhole rehabilitation says that it includes new ring, cover, and concrete encasement. Is a new ring and cover, with concrete encasement, required at every manhole being rehabilitated, even if not specifically noted as being required at each manhole on the drawings? Also, this ring and cover replacement work is normally paid as a separate pay item under Adjust Existing Manholes governed by section 851. Should this ring and cover replacement work be paid under a separate Adjust Existing Manhole pay item?**

*Response: A new ring, cover and concrete ring encasement is required at every manhole noted on the drawings to be rehabilitated under line item SS 910 with the following description: Manhole Rehabilitation (inc new ring, cover, concrete encasement). Contractor shall refer to the special specification titled "ITEM NO. SS910 Manhole Rehabilitation" included in the Contract Documents for requirements and payment of the new ring, cover and concrete ring encasement.*

#### CHANGES TO THE SPECIFICATIONS

1. **INVITATION TO BIDDERS.** The last paragraph of the Invitation to Bidders is deleted in its entirety and replaced with the following:

**Due to the COVID-19 emergency and to protect the health of the public, SAWS is implementing new procedures for the submission of bids. Bids will be received either Electronically or through Sealed bids, until 2:00 PM (CDT), April 17, 2020. Electronic bids will be received via the secure SAWS FTP site. Sealed bids will be received by Contract Administration, 2800 U.S. Hwy 281 North, Tower II, Customer Center Building, via a drop box located on the left wall when walking through the first set of double glass doors of the main Tower II entry on the north side of the building, San Antonio, Texas 78212. See the Electronic Bid Opening Instructions attachment for additional information regarding an electronic bid submittal. Electronic bids shall be accompanied by a bid bond in an amount not less than five percent of the total bid price. (Or, if providing SAWS with a cashier's check or certified check in an amount not less than five percent of the total bid price, SAWS will request this within 24 hours from the apparent low bidder. Sealed bids must be accompanied by a cashier's check, certified check, or bid bond in an amount not less than five percent of the total bid price. Bids will then be publicly opened and read aloud by Contract Administration via WebEx.**

If Bidders intend to submit bids electronically, Bidders will need to submit a request by **April 15 at 2:30 PM (CDT)** to receive access to the File Transfer Protocol (FTP) site via email to **Stella.Manzello@saws.org**. Bidder's email requesting access to the FTP site shall provide the legal name of Bidder's company and the intended recipient's email address and phone number. No requests for FTP site access will be accepted after **April 15, 2020 by 2:30 (CDT)**.

2. **BID PACKET CHECKLIST.** The Bid Packet Checklist is hereby deleted in its entirety and replaced with the revised Bid Packet Checklist attached to this Addendum.
3. **SUPPLEMENTAL CONDITIONS.** Sections 1, 2, 4 and 24 of the Instructions to Bidders are hereby deleted in their entirety and replaced with the following:

"1. Bids will be submitted in accordance with the following:

- a. **Electronic bids will be received by Contract Administration in the SAWS secured File Transfer Protocol (FTP) site. Personal/hand delivered** sealed bids will be received by Contract Administration **via a drop box located on the left wall when walking through the first set of double glass doors of the main Tower II entry on the north side of the building** at San Antonio Water System, 2800 U.S. Hwy 281 North, Customer Center Building, Suite 141, San Antonio, Texas 78212. **All bids will be received until the time specified in the Invitation to Bidders.**
- b. If the submittal of a **hardcopy** sealed bid is by any means other than personal/hand delivery, then it is the bidder's sole responsibility to ensure the bid is delivered to San Antonio Water System, 2800 U.S. Hwy 281 North, San Antonio, Texas 78212, no later than the exact time specified in the Invitation to Bidders.
- c. All bids errantly submitted or delivered to a location other than the exact locations stated above will be returned/ **deleted** and unopened.
- d. All bids received after the exact time set for the bid opening in the Invitation to Bidders will be returned/ **deleted** and unopened.
- e. The San Antonio Water System Contracting Office may, at its sole discretion, without waiver of rights or authority, in equity or at law, return or delete any unopened bids not meeting the exact requirements as stated above.

2. Bids will be opened in accordance with the following:

- a. Bids will be opened **in a public WebEx meeting** and read aloud by a Contract Administration representative. Instruction on how to participate in this public WebEx meeting can be found in the Electronic Bid Opening Instructions.
- b. The lowest bid received at the time of the bid opening shall be designated as the "apparent low bid," whether announced in that manner or not, and shall not represent an acceptance of an offer.
- c. All bid results are unofficial, tentative and subject to verification on the day of the bid opening.
- d. No bid may be withdrawn after the scheduled bid opening time without the written consent of a Contract Administration representative.
- e. The "official" bid results will be tallied on a "bid tabulation sheet" and posted within 10 business days of the bid opening on the San Antonio Water System's website.

4. **Electronic** bids submitted on the original bid form attached herein must be titled with the solicitation number, date and time of the bid opening, and the project name. **Hardcopy** bids submitted on the original bid form attached herein must be sealed in an envelope plainly marked on the outside with solicitation number, the date and time of the bid opening, and project name.
  
24. To assist the San Antonio Water System Contracting Office in performing the bidder evaluation and subsequent recommendation of award, the apparent low bidder must submit upon request the following items within one (1) day of the bid opening. Failure to provide the required information within the specific time, may result in determining a non-responsive bidder:
  - (a) An information packet on company showing experience, organization and equipment
  - (b) A statement regarding ability to complete the project within the schedule taking into account existing commitments.
  - (c) Record of performance on three (3) similar projects completed within the last 5 years including name of project, amount of project, project duration, name, address, and telephone number of contact person for each project.
  - (d) A completed and signed W-9 Request for Taxpayer Identification Number and Certification form.
  - (e) A completed Good Faith Effort Plan.**
  - (f) Conflict of Interest Questionnaire - Form CIQ**
  - (g) Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)**
  - (h) For projects with a construction estimate of \$10,000,000 or greater:**  
A complete financial statement for your organization that was prepared within the past 12 months, by an independent Certified Public Accountant, and a point of contact for your banking institution.

All other sections of the Instructions to Bidders shall remain the same.

4. Remove and replace page IB-7 with the attached as included in this addendum.
5. Quantities on the Bid Tab have been updated to include decimals where pertinent.
6. Remove pages BP-1 and BP-2 and replace with BP-1R and BP-2R as included in this addendum.
7. Remove first and second paragraphs from Page SC-2. Replace with:

Project locations 2 and 5 should be scheduled for construction last. Final completion of the project, including all project locations, shall be within **150** calendar days from the start date noted on the Notice-to-Proceed.
8. Remove entire section C. Right of Entry and Access from page SC-3. Replace with:

If access to a project location requires a Right-of-Entry (ROE), the Contractor will not commence construction activities at that location until the ROE agreement has been acquired by SAWS. The Contractor shall plan accordingly and include these project locations last within Contractor's schedule.

ROE agreements include additional insurance requirements for Contractor. Contractor shall name the affected property owners as additional insured and provide a certificate evidencing coverage limits specified in each ROE agreement prior to beginning work on their property.
9. Remove entire section D. Construction Access and Staging Area from page SC-4.
10. Remove Section E. Geotechnical Report from the Special Conditions, Page, SC-4. No Geotechnical Report is available for this project.
11. Insert the following to Special Conditions:

Video clips are being made available for the sole purpose of providing historical background information that may assist bidders in preparing their response to this solicitation. To complete the disclaimer form and obtain access to the video information, please go to the solicitation on the SAWS website ([https://apps.saws.org/Business\\_Center/Contractsol/Drill.cfm?id=3766&View=Yes](https://apps.saws.org/Business_Center/Contractsol/Drill.cfm?id=3766&View=Yes)) and select "Historical Video Information" which will then take you to the Disclaimer Form. Enter your first and last name at the bottom of the screen and then check off the box to accept the conditions of the disclaimer, then select Submit.

Note: The videos are provided for informational purposes only and are not included in the bid documents. The deterioration is an ongoing process, so the condition at the time of construction may be substantially different from the condition shown in the videos.

#### CHANGES TO THE PLANS

1. **QUANTITY DISCRETION.** Quantities have been updated to include decimals where pertinent.
2. Remove the following and replace with attached sheets dated 4/8/2020:
  - "Overall Quantity Summary Sheet" sheet 6
  - "AY40 Compkey:976999 CIPP Plan Sheet" sheet 13
  - "AM45 Compkey:999338 CIPP Plan Sheet" sheet 14
  - "BP30 Compkey:973088 CIPP Plan Sheet" sheet 15
  - "N. Picoso to N. Hamilton Ave. Sheet 1 of 1" sheet 17
  - "N. Picoso to N. Hamilton Ave. Bypass Plan Sheet 1 of 1" sheet 21

#### CLARIFICATIONS

1. To minimize travel and the need for Bidders to hand deliver bids during the COVID19 Emergency, SAWS has provided the option to Bidders to submit bids electronically. See the Electronic Bid Opening Instructions attached to this Addendum. Bidders may still hand deliver bids if they wish and as provided for in this Addendum but shall only submit the items as indicated on the revised Bid Proposal Checklist in the initial bid packet. Reference the revised Bid Proposal Checklist attached to this Addendum.
2. If Bidders opt to submit their bids electronically, SAWS has provided the Excel version of the List of Bid Items file, which will be made available for download on the SAWS solicitation website. The List of Bid Items shall be accompanied by the Bid Proposal Signature Page and Proposal Certification page. Reference the revised Bid Proposal Checklist attached to this Addendum.
3. The public Bid Opening will be conducted on video via a WebEx meeting. See the Electronic Bid Opening Instructions attached to this Addendum.
4. The estimated cost for this project has changed to \$432,946.00, which is now reflected on SAWS website at the following link:  
[https://apps.saws.org/Business\\_Center/Contractsol/Drill.cfm?id=3766&View=Yes](https://apps.saws.org/Business_Center/Contractsol/Drill.cfm?id=3766&View=Yes)

#### END OF ADDENDUM

This Addendum, including this page, is nineteen (19) pages with attachments in its entirety.

Attachments:    Electronic Bid Opening Instructions (2 pages total)  
                      Bid Packet Checklist (1 page total)  
                      Updated IB-7 (1 page total)  
                      Bid Proposal (2 pages total)  
                      Special Provisions to Technical Specification (2 pages total)  
                      Updated Plan Sheets (6 sheets total)



  
Elaiza Alvarez  
Lockwood, Andrews and Newnam, Inc. (LAN)



**Multiple Sewershed Package 12 – CIPP  
Solicitation Number: CO-00332**

**ELECTRONIC BID OPENING INSTRUCTIONS  
APRIL 17, 2020 AT 2:00 PM (CDT)**

**FTP BID PROPOSAL UPLOAD**

In order to receive electronic bids for this project, SAWS will utilize a SAWS secured File Transfer Protocol (FTP) site. Only Bidders bidding as Prime Contractors will need to submit their request prior to **April 15, 2020 - 2:00 PM** to receive access to the FTP site via email to [Stella.Manzello@saws.org](mailto:Stella.Manzello@saws.org). Bidder's email shall provide the legal name of the Bidder's company and the intended recipient's email address and phone number. No requests for FTP site access will be accepted **April 15, 2020 at 2:00 PM (CDT)**. Once a Bidder is approved for access, an email with a hyperlink to the FTP site and a unique password for the Bidder will be provided to the Bidder's email recipient.

Once access is received, Bidders may upload the required documents per the Bid Proposal checklist any time before **April 17, 2020 at 2:00 PM (CDT)**. Please ensure to allow sufficient time should Bidder's experience technical difficulties in uploading the required documents. No changes to the Bid nor bid price can be made once the Bid has been submitted.

**Bidders shall comply with the following:**

- 1) Limit files to one (1) pdf file that includes all requested documents, per the Bid Packet Checklist. **ONLY ONE SUBMITTAL WILL BE ACCEPTED PER REQUEST.** Do not upload any zip files.
- 2) Ensure that the itemized List of Bid Items is (are) the first page(s) of your file.
- 3) Bidders may protect the document from editing by adding a password. However, the document must be accessible for viewing by SAWS without requiring a password.
- 4) File shall be named: **CO-00332 – Multiple Sewershed Package 12 – CIPP.**
- 5) **DO NOT SHARE ACCESS AND/OR PASSWORD WITH OTHER PARTIES OUTSIDE YOUR COMPANY.**
- 6) **ENSURE THE BID IS SENT NO LATER THAN THE DUE DATE AND TIME. BIDS SUBMITTED AFTER THE BID OPENING DEADLINE WILL NOT BE ACCEPTED.**

If the Bidder is in need of help, they may contact the SAWS Contract Administrator, **Stella Manzello**, at 210-233-3854 or view troubleshooting tips at <http://www.Serv-U.com/sharefiles>

**WEBEX BID OPENING MEETING**

The WebEx meeting details are below if you would like to view the public opening of the bids. When it's time, start your meeting from here:

**[Start the meeting](#)**

Access Information

Meeting Number:

**993 361 956**

Password:

**Co-00332**

Audio Connection:

210-233-2550 (SAWS WebEx)

If you have any questions or concerns, please feel free to contact me.

Thank you,

**Stella Manzello**

Contract Administrator  
2800 U.S. Highway 281 North, Ste. 171 | San Antonio, TX 78212  
Office | 210-233-3854  
Email | [Stella.Manzello@saws.org](mailto:Stella.Manzello@saws.org)

**BID PACKET CHECKLIST**  
**Multiple Sewershed Package 12 – CIPP**  
**SAWS Job No. 19-4544**  
**SAWS Solicitation No. CO-00332**

**This checklist is a required document that must be utilized and submitted with the Bid Packet. The Bid Packet should include the following items in this order:**

- Signed Bid Proposal Signature Page, Acknowledgement of All Addendums and Executive Order
- List of Bid Items
- Bid Packet Checklist
- Signed Proposal Certification
- Bid Bond

**Items to be submitted Upon Request by SAWS from the Apparent Low Bidder within one (1) day of the bid opening:**

- Completed Good Faith Effort Plan
- Conflict of Interest Questionnaire - Form CIQ (*Rev. 11/30/2015*)
- Proof of Insurability (Letter from Insurer or Sample Certificate of Insurance)
- Company Information Packet
- Statement regarding ability to complete the project
- W-9
- Statement of Bidder's Experience

**\*And, if bid was submitted electronically without a Bid Bond:**

- Cashier's Check or Certified Check



## Statement on President's Executive Orders

Has your firm previously performed work subject to the President's Executive Orders Numbers 11246 and 11375 or any preceding similar executive orders (Numbers 10925 and 11114)?

Yes  No

Contractors/Consultants/Vendors on work paid by federal funds will be required to comply with the president's executive order no. 11246, "Equal Employment Opportunity," as amended by executive order no. 11375, "amending executive order 11246 relating to equal employment opportunity," and as supplemented by regulations at 41 CFR part 60, Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department Of Labor.

21. Approval of Plans and/or Specifications by an employee of SAWS shall not constitute an assumption of liability by the San Antonio Water System or such employee for any inaccuracy of computation or deficiency of design therein.
22. Bidder shall not offer, confer, or agree to confer any benefit or gift to any San Antonio Water System Employee, Officer, or Trustee of the Board of the San Antonio Water System 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.
23. Contractor shall comply with the "WORKERS COMPENSATION INSURANCE COVERAGE REQUIREMENTS" as noted on Section 5.7 CONTRACTOR'S INSURANCE REQUIREMENTS of the General Conditions for further clarification.
24. To assist the San Antonio Water System Contracting Office in performing the bidder evaluation and subsequent recommendation of award, the apparent low bidder will submit the following items within one (1) day of the bid opening. Failure to provide the required information within the specific time, may result in determining a non-responsive bidder:
  - (a) An information packet on company showing experience, organization and equipment.
  - (b) A statement regarding ability to complete the project within the schedule taking into account existing commitments.
  - (c) Record of performance on three (3) similar projects completed within the last 5 years including name of project, amount of project, project duration, name, address, and telephone number of contact person for each project.
  - (d) A completed and signed W-9 Request for Taxpayer Identification Number and Certification form.
  - (e) **For projects with a construction estimate of \$10,000,000 or greater:**  
A complete financial statement for your organization that was prepared within the past 12 months, by an independent Certified Public Accountant, and a point of contact for your banking institution.
25. In 2015, and made effective as of January 1, 2016, the Texas Legislature adopted House Bill 1295, which added section 2252.908 of the Government Code. The law states that a governmental entity or state agency may not enter into certain contracts with a business entity unless the business entity submits a disclosure of interested parties (Form 1295) to the governmental entity or state agency at the time the business entity submits the signed contract to the governmental entity or state agency. The Texas Ethics Commission has adopted rules requiring the business entity to file Form 1295 electronically with the Commission. The online filing application is available on the Texas Ethics Commission (TEC)'s website. A copy of the completed form, which will include a certification of filing that with a unique certification number, will be required with the signed contract. For additional information, Bidders may go to the Texas Ethics Commission website at the following link: [https://ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://ethics.state.tx.us/whatsnew/elf_info_form1295.htm)

BID PROPOSAL

PROPOSAL OF \_\_\_\_\_, a corporation  
a partnership consisting of \_\_\_\_\_  
an individual doing business as \_\_\_\_\_

THE SAN ANTONIO WATER SYSTEM:

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

**PLEASE SEE ATTACHED LIST OF BID ITEMS.**

\_\_\_\_\_  
BIDDER'S SIGNATURE & TITLE  
\_\_\_\_\_  
FIRM'S NAME (TYPE OR PRINT)  
\_\_\_\_\_  
FIRM'S ADDRESS  
\_\_\_\_\_  
FIRM'S PHONE NO. /FAX NO.  
\_\_\_\_\_  
FIRM'S EMAIL ADDRESS

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

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **150** calendar days after the start date, as set forth in the Authorization to Proceed. The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.

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

<p style="text-align: center;"><b>MULTIPLE SEWERSHED PACKAGE 12-CIPP</b>  <b>SEWER IMPROVEMENTS - SAWS JOB NO. 19-4544</b>  <b>BID PROPOSAL LINE ITEMS</b>  <b>APRIL 2020</b></p>						
ITEM NO.	SPEC NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
1	SS 1	REMOVE AND REPLACE WOOD FENCE (6' HEIGHT)	LF	20		
2	203.1	TACK COAT (COSA SPEC)	GAL	8.0		
3	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	SY	82.0		
4	206.1	ASPHALT TREATED BASE ( 10" COMPACTED DEPTH) (COSA SPEC)	SY	62.0		
5	413.1	FLOWABLE FILL (COSA SPEC)	CY	5.0		
6	507.2	CHAIN LINK WIRE FENCE (6' HIGH) (COSA SPEC)	LF	20		
7	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (New Laredo)	LS	1		
8	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (Flores)	LS	1		
9	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (Picoso)	LS	1		
10	540.7	CONSTRUCTION PERIMETER FENCE	LF	100		
11	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	28		
12	852	SANITARY SEWER MANHOLE (0'-6' DEPTH)	EA	4		
13	852	EXTRA DEPTH MANHOLE (>6' DEEP)	VF	4.5		
14	SS 862	ABANDONMENT OF SEWER MAINS	LF	20.0		
15	864-S1	BYPASS PUMPING (Perrin-Beitel)	LS	1		
16	864-S1	BYPASS PUMPING (New Laredo)	LS	1		
17	864-S1	BYPASS PUMPING (Picoso)	LS	1		
18	866	SEWER MAIN PRE-TELEVISION INSPECTION (8" THROUGH 15" DIAMETER)	LF	1782		
19	901	REHAB OF 8" SANITARY SEWER PIPE BY CIPP (HOT WATER), ALL DEPTHS	LF	1296		
20	901	REHAB OF 10" SANITARY SEWER PIPE BY CIPP (HOT WATER), ALL DEPTHS	LF	182		
21	901	REHAB OF 12" SANITARY SEWER PIPE BY CIPP (HOT WATER), ALL DEPTHS	LF	214		
22	SS 910	MANHOLE REHABILITATION (INC NEW RING, COVER, CONCRETE ENCASEMENT)	VF	60.8		
23	1103.1	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH) INCLUDING UP TO 9 LF OF PIPING	EA	10.0		
24	1103.2	EXTRA LENGTH POINT REPAIR, 8" OR 10" DIAMETER, ALL DEPTHS	LF	80		
25	1103.4	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 8" OR 10" DIAMETER, ALL DEPTHS (PER MH SECTION)	EA	3		
26	1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	22		
27	1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION, 0'-10' DEPTH, INCLUDING UP TO 5 LF OF LATERAL)	EA	7		
28	SS 3300	SANITARY SEWER PRIVATE LATERALS (4"-6")	LF	30		
29	SS 3300	SANITARY SEWER PRIVATE LATERALS (4"-6") (Picoso)	LF	35		
30	104	REMOVING CONCRETE (SIDEWALKS) (TXDOT SPEC)	SY	9.0		
31	104	REMOVING CONCRETE (CURB) (TXDOT SPEC)	LF	15		
32	502	BARRICADES, SIGNS AND TRAFFIC HANDLING (Perrin-Beitel) (TXDOT SPEC)	LS	1		
33	529	CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (TXDOT SPEC)	LF	15		
34	531	SIDEWALKS (TXDOT SPEC)	SY	9.0		
SUBTOTAL (ITEMS 1-34)						\$
35	100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEMS 1-34	LS	1		\$
36	101	PREPARATION OF RIGHT OF WAY, MAX 5% OF LINE ITEMS 1-34	LS	1		\$

Mobilization and Prep ROW shall be limited to the maximum percentage shown. If the percentage exceeds the allowable maximum stated for the mobilization and or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.

<b>TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1-34 AND 35-36)</b>						<b>\$</b>
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# Special Provisions to Technical Specifications

## **A. Revision to SAWS Standard Specification 901 Rehabilitation of Sanitary Sewer By Cured-In-Place Pipe (Hot Water or Steam Cured)**

**901.1 DESCRIPTION: DELETE** this section in its entirety and **REPLACE** with the following:

*This specification includes requirements to rehabilitate existing sanitary sewers by the installation of a resin-impregnated flexible tube, which is formed to the original conduit. The liner is inserted via an existing manhole or other access. The lining shall be installed using the following insertion method:*

*a. Water inversion – where the lining is inverted under the pressure of water and cured by circulating hot water.*

**901.3.4 SUBMITTALS: ADD** the following:

*4. Design calculations shall be identified by Manhole Numbers and segment identifiers included in the plans.*

**901.4 MATERIALS: ADD** the following:

*1.i. Hydrophilic End Seal Sleeves are required at each end of the pipe segment to be rehabilitated.*

**901.4.3.e.6 MATERIALS: DELETE** this section in its entirety and **REPLACE** with the following:

*6) Soil Modulus: 500 psi. Contractor may submit calculations signed and sealed by a Texas Professional Engineer utilizing other values for soil modulus so long as those values are part of the sealed calculations, and the calculation method complies with ASTM F1216. Allowable soil modulus shall not exceed 1,000 psi.*

**901.4.3.e.7 MATERIALS: DELETE** this section in its entirety and **REPLACE** with the following:

*7) Groundwater depth shall be assumed at ground surface.*

**901.4.4 MATERIALS: DELETE** this section in its entirety and **REPLACE** with the following:

# Special Provisions to Technical Specifications

## *4. Acceptable Manufacturer*

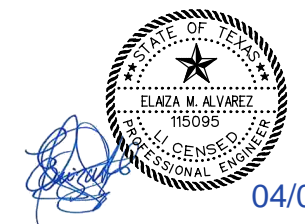
- a. CIPP product must meet all requirements set forth in this Specification Item No.901.*

### **901.5.10 CONSTRUCTION: ADD** the following:

- j. Hydrophilic end seals shall be placed at the manhole/wall interface in accordance with the end seal manufacturer instructions prior to CIPP installation.*

All other language in this specification 901 remains in full force.

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITIES					TOTAL QTY
			SHT. 13 AM45 EST. QTY	SHT. 14 AY40 EST. QTY	SHT. 15 BP30 EST. QTY	SHT. 16 FLORES EST. QTY	SHT. 17 PICOSO EST. QTY	
100	MOBILIZATION	LS						
101	PREPARATION OF RIGHT OF WAY	LS						
203.1	TACK COAT (COSA SPEC)	GAL				8.0		8.0
205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	SY				82.0		82.0
206.1	ASPHALT TREATED BASE (10" COMPACTED DEPTH) (COSA SPEC)	SY				62.0		62.0
413.1	FLOWABLE FILL (COSA SPEC)	CY					5.0	5.0
507.2	CHAIN LINK WIRE FENCE (6' HIGH) (COSA SPEC)	LF					20	20
530.J	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (New Laredo)	LS			1			1
530.I	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (Flores)	LS				1		1
530.J	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (Picoso)	LS					1	1
540.7	CONSTRUCTION PERIMETER FENCE	LF					100	100
550	TRENCH EXCAVATION SAFETY PROTECTION	LF					28	28
852	SANITARY SEWER MANHOLE (0'-6' DEPTH)	EA		1.0		3.0		4.0
852	EXTRA DEPTH MANHOLE (>6' DEEP)	VF		3.5		1.0		4.5
SS 862	ABANDONMENT OF SEWER MAINS	LF		20				20
864-SI	BYPASS PUMPING (Perrin-Belton)	LS	1					1
864-SI	BYPASS PUMPING (New Laredo)	LS			1			1
864-SI	BYPASS PUMPING (Picoso)	LS					1	1
866	SEWER MAIN PRE-TELEVISION INSPECTION (8" THROUGH 15" DIAMETER)	LF	182	314	214	647	425	1782
90	REHAB OF 8" SANITARY SEWER PIPE BY CIPP (HOT WATER), ALL DEPTHS	LF		314		557	425	1296
90	REHAB OF 10" SANITARY SEWER PIPE BY CIPP (HOT WATER), ALL DEPTHS	LF	182					182
90	REHAB OF 12" SANITARY SEWER PIPE BY CIPP (HOT WATER), ALL DEPTHS	LF			214			214
SS 910	MANHOLE REHABILITATION (INC NEW RING, COVER, CONCRETE ENCASMENT)	VF	16.0	17.8	10.0		17.0	60.8
1103.J	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH) INCLUDING UP TO 9 LF OF PIPING	EA	1	4		2	3	10
1103.2	EXTRA LENGTH POINT REPAIR, 8" OR 10" DIAMETER, ALL DEPTHS	LF				70	10	80
1103.4	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 8" OR 10" DIAMETER, ALL DEPTHS (PER MH SECTION)	EA	1	1		1		3
1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	2	5	4	6	5	22
1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION, 0'-10' DEPTH, INCLUDING UP TO 5 LF OF LATERAL	EA				7		7
SS 3300	SANITARY SEWER PRIVATE LATERALS (4"-6")	LF		30				30
SS 3300	SANITARY SEWER PRIVATE LATERALS (4"-6") (Picoso)	LF					35	35
104	REMOVING CONCRETE (SIDEWALKS) (TXDOT SPEC)	SY	9.0					9.0
104	REMOVING CONCRETE (CURB) (TXDOT SPEC)	LF	15.0					15.0
502	BARRICADES, SIGNS AND TRAFFIC HANDLING (Perrin-Belton) (TXDOT SPEC)	LS	1					1
529	CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (TXDOT SPEC)	LF	15.0					15.0
531	SIDEWALKS (TXDOT SPEC)	SY	9.0					9.0
SS 1	REMOVE AND REPLACE WOOD FENCE (6' HEIGHT)	LF					20	20



04/08/2020

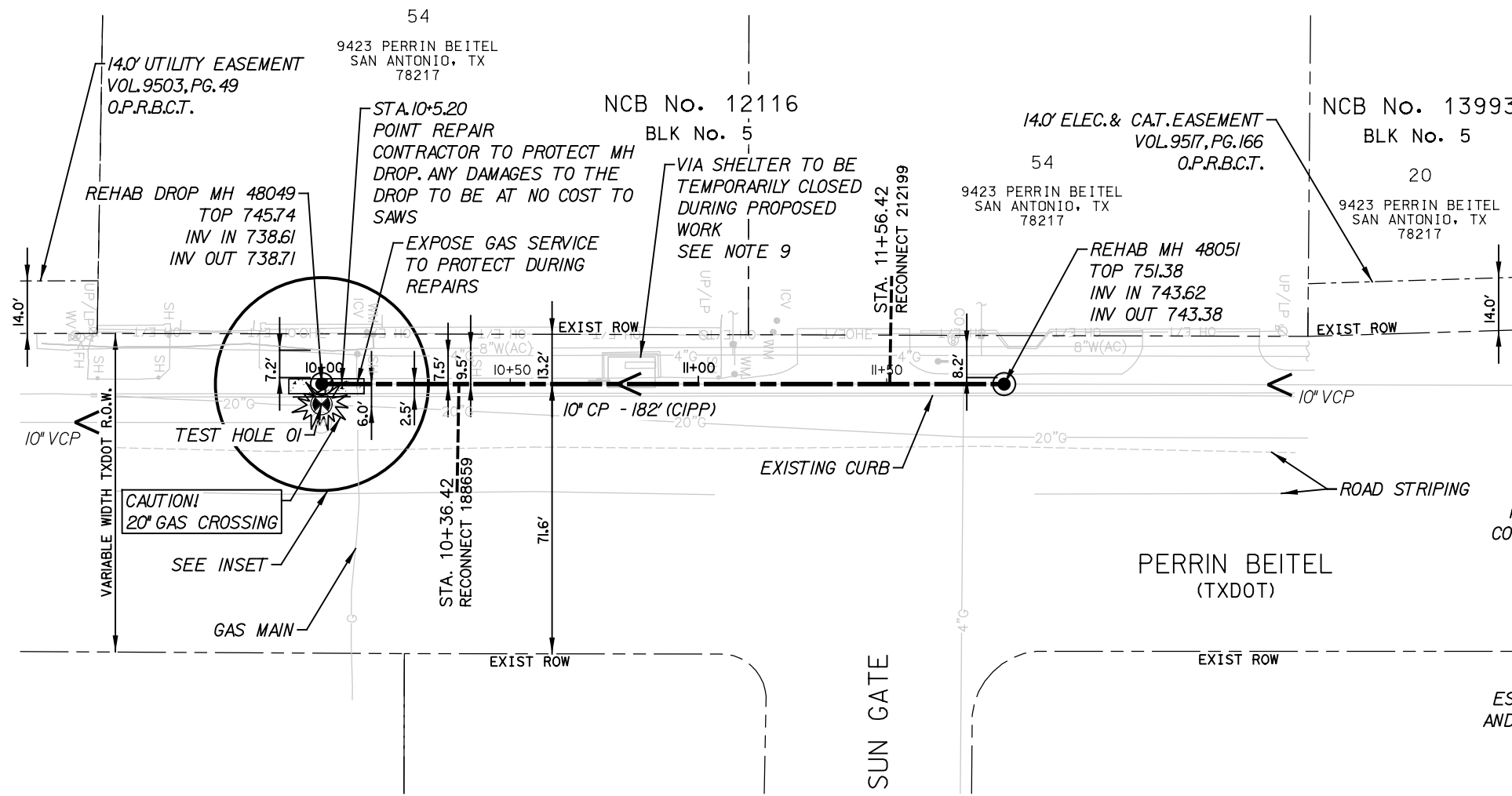
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<b>LAN</b> Lockwood, Andrews & Newnam, Inc. <small>A LEO A DALY COMPANY</small> TBPE REGISTRATION NO: F-2614			
No.	Revision	Drawn	Date
1	Addendum 2	MWS	4/8/20
		EMA	
REVISIONS			
MULTIPLE SEWERSHED PKG 12 CIPP OVERALL QUANTITY SUMMARY SHEET			
DEVELOPER:			
CONT.		BUDGET PROJ.	
SUBMITTED _____			
APPROVED _____			
MAP No.			SHEET
SECT. No.			6
DR. MRG	CK. EMA	JOB No.	19-4544

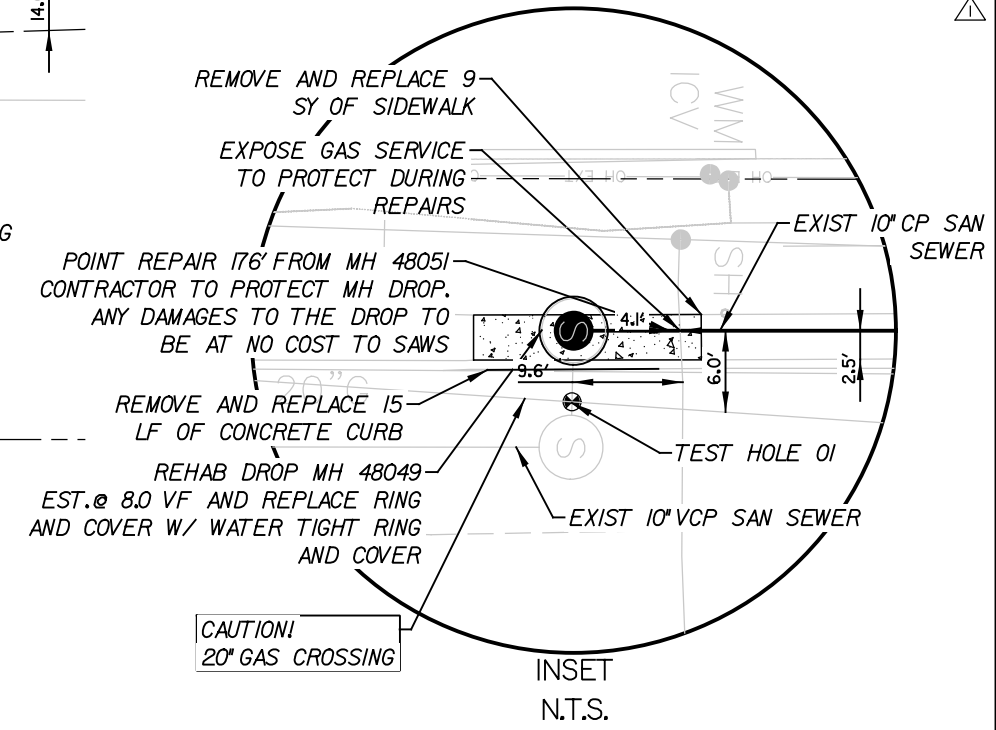
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4/1/2020

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SS 862			
ITEM	DESCRIPTION	UNIT	EST. QTY
864-SI	BYPASS PUMPING (Perrin-Bettel)	LS	1
866	SEWER MAIN PRE-TELEVISION INSPECTION (8" THROUGH 15" DIAMETER)	LF	182
901	REHAB OF 10" SANITARY SEWER PIPE BY CIPP (HOT WATER), ALL DEPTHS	LF	182
SS 910	MANHOLE REHABILITATION (INC NEW RING, COVER, CONCRETE ENCASUREMENT)	VF	16.0
1103.1	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH) INCLUDING UP TO 9 LF OF PIPING	EA	1
1103.4	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 8" OR 10" DIAMETER, ALL DEPTHS (PER MH SECTION)	EA	1
1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	2
104	REMOVING CONCRETE (SIDEWALKS) (TXDOT SPEC)	SY	9.0
104	REMOVING CONCRETE (CURB) (TXDOT SPEC)	LF	15
502	BARRICADES, SIGNS AND TRAFFIC HANDLING (Perrin-Bettel) (TXDOT SPEC)	LS	1
529	CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (TXDOT SPEC)	LF	15
531	SIDEWALKS (TXDOT SPEC)	SY	9.0



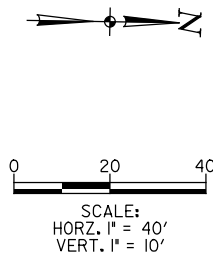
**CPS GAS LINES NOTE:**  
NO MECHANICAL EQUIPMENT WITHIN 5 FT OF ANY GAS LINE 12" AND LARGER. NOTIFY CPS 2 WEEKS PRIOR TO ALL EXCAVATION AT 210-353-3575. CONTRACTOR TO USE HYDROEXCAVATION (NSPI).

**PROPERTY AND EASEMENT LINES NOTE:**  
PROPERTY LINES AND EASEMENT LINES ARE SHOWN AT APPROXIMATE LOCATIONS BASED ON GIS DATA (APPARENT ROW) AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.

**TEST HOLE 01**  
20" STL GAS  
N: 13741463.69  
E: 2156131.30  
GROUND ELEV = 744.95  
DEPTH = 2.55  
OWNER: CPS

**NOTES:**

- TRENCH EXCAVATION SAFETY PROTECTION SHALL BE IN ACCORDANCE WITH GENERAL NOTES AND SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING THE INTEGRITY OF OTHER UTILITIES DURING CONSTRUCTION (NSPI).
- CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS AS SHOWN BY AND IN ACCORDANCE WITH COSA'S TCP THROUGH ALL DRIVEWAYS FOR EMERGENCY ACCESS.
- CONTRACTOR TO PROTECT EXIST SIGNS (NSPI), PROVIDE TEMPORARY SIGNS AND SALVAGE AND REPLACE SIGNS THAT INTERFERE WITH REHABILITATION OF SEWER (NSPI).
- MANHOLES TO BE TESTED IN ACCORDANCE WITH SAWS REQUIREMENTS AND DOCUMENTED AS OUTLINED BY SAWS REGULATIONS.
- CONTRACTOR SHALL MAINTAIN ACCESS TO SURFACE FEATURES (MANHOLES, CLEANOUTS, ETC.) LATERAL LOCATIONS SHOWN ON PLANS ARE FROM BEST AVAILABLE SAWS RECORDS AND STATIONING IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS.
- CONTRACTOR MUST NOTIFY AND/OR CONTACT SAWS INSPECTIONS AT 210-233-3500 AND ENGINEER OF RECORD (LAN) AT 210-499-5082 48 HOURS BEFORE ANY CONSTRUCTION TAKES PLACE, INCLUDING BUT NOT LIMITED TO:
  - NOTIFICATION OF PRE-TELEVISION INSPECTION
  - NOTIFICATION OF BYPASS PUMPING SETUP OPERATIONS
  - NOTIFICATION OF THE PIPE INSTALLATION
  - TESTING
- CONTRACTOR SHALL NOTIFY MARK SPAULDING (210-441-9078) @ VIA METROPOLITAN 14 DAYS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES NEAR EXISTING BUS STOP SHELTERS. CONTRACTOR SHALL EXPOSE ALL UTILITIES TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES AND GRADES BEFORE START OF CONSTRUCTION (NSPI).



04/08/2020

**LEGEND**

PROP. SAN SEWER CIPP	---
EXIST. WATER MAIN	— 6" CL.W. —
EXIST. GAS MAIN	— 2" G —
EXIST. SANITARY SEWER	— 8" —
EXIST. STORM SEWER	— 24" ST —
EXIST. UTILITY POLE	— U —
EXIST. ELECTRIC CABLE	— E —
EXIST. OVERHEAD ELECTRIC CABLE	— OE —
EXIST. UNDERGROUND TELEPHONE CABLE	— UT —
EXIST. SANITARY SEWER LATERAL	---

**100% SUBMITTAL**

**LAN** Lockwood, Andrews & Newnam, Inc.  
A LEG-A-DAILY COMPANY  
TBPE REGISTRATION NO: F-2614

1	Addendum 2	MWS	EMA	4/8/20
No.	Revision	Drawn	Approved	Date

**REVISIONS**

**CSA** MULTIPLE SEWERSHED PKG 12  
CIPP  
AM45  
COMPKEY: 999338  
CIPP PLAN SHEET

DEVELOPER: [ ]  
CONT. [ ] BUDGET PROJ.

SUBMITTED [ ]  
APPROVED [ ]

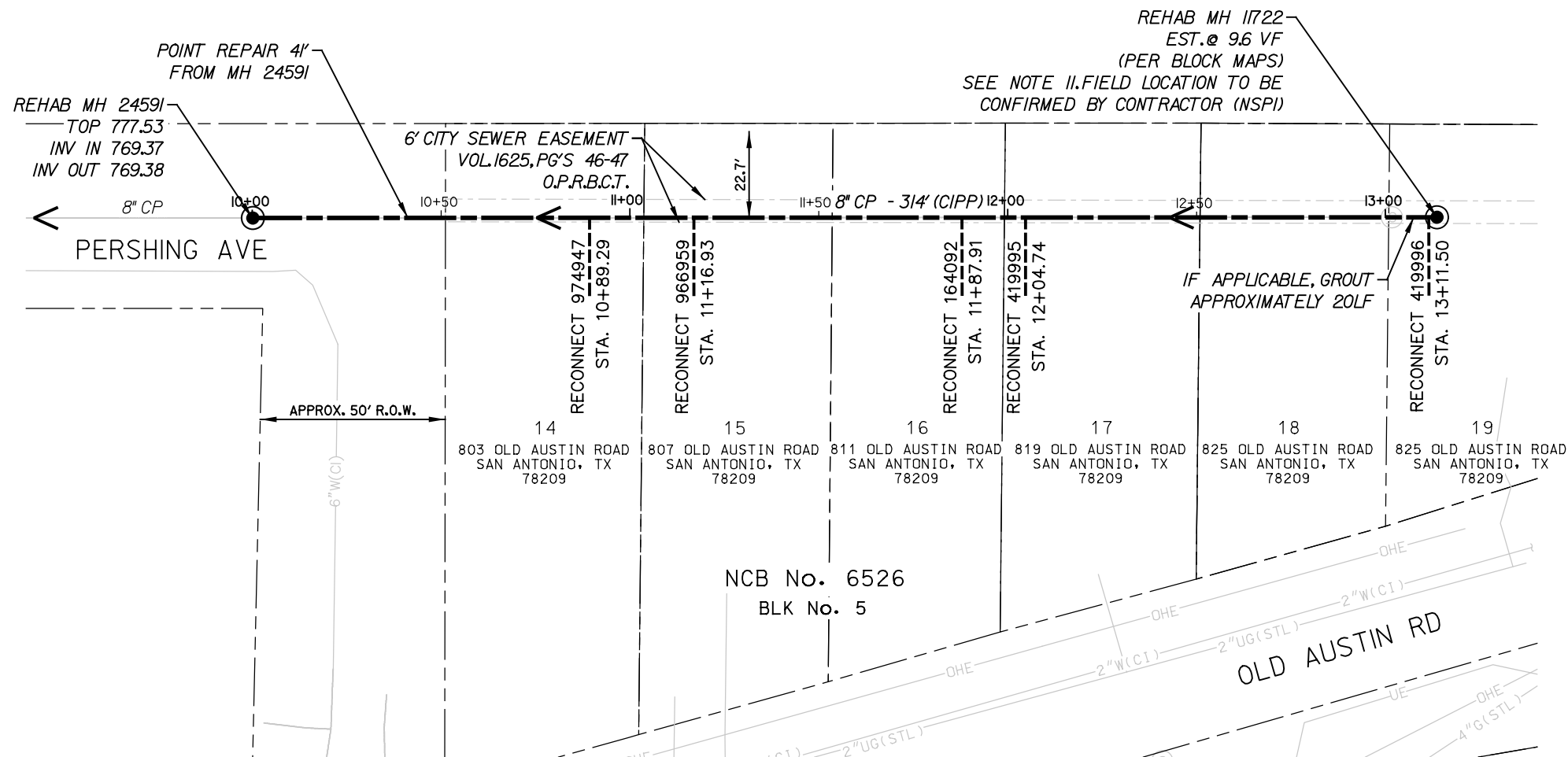
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SECT. No. [ ]  
DR. MRG [ ] CK. EMA [ ] JOB No. 19-4544

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4/1/2020

### SAN ANTONIO COUNTRY CLUB



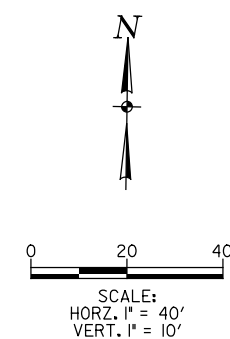
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	EST. QTY
852	SANITARY SEWER MANHOLE (0'-6' DEPTH)	EA	1
852	EXTRA DEPTH MANHOLE (>6' DEEP)	VF	3.5
SS 862	ABANDONMENT OF SEWER MAINS	LF	20
866	SEWER MAIN PRE-TELEVISION INSPECTION (8" THROUGH 15" DIAMETER)	LF	314
901	REHAB OF 8" SANITARY SEWER PIPE BY CIPP (HOT WATER), ALL DEPTHS	LF	314
SS 910	MANHOLE REHABILITATION (INC NEW RING, COVER, CONCRETE ENCASUREMENT)	VF	17.8
1103.1	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH) INCLUDING UP TO 9 LF OF PIPING	EA	4
1103.4	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 8" OR 10" DIAMETER, ALL DEPTHS (PER MH SECTION)	EA	1
1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	5
SS 3300	SANITARY SEWER PRIVATE LATERALS (4"-6")	LF	30

NOTE: SEE TCP AND PAVEMENT REPAIR SHEETS FOR PAVEMENT RESTORATION LIMITS

#### NOTES:

- TRENCH EXCAVATION SAFETY PROTECTION SHALL BE IN ACCORDANCE WITH GENERAL NOTES AND SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING THE INTEGRITY OF OTHER UTILITIES DURING CONSTRUCTION (NSPI).
- CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS AS SHOWN BY AND IN ACCORDANCE WITH COSA'S TCP THROUGH ALL DRIVEWAYS FOR EMERGENCY ACCESS.
- CONTRACTOR TO PROTECT EXIST SIGNS (NSPI), PROVIDE TEMPORARY SIGNS AND SALVAGE AND REPLACE SIGNS THAT INTERFERE WITH REHABILITATION OF SEWER (NSPI).
- MANHOLES TO BE TESTED IN ACCORDANCE WITH SAWS REQUIREMENTS AND DOCUMENTED AS OUTLINED BY SAWS REGULATIONS.
- CONTRACTOR SHALL MAINTAIN ACCESS TO SURFACE FEATURES (MANHOLES, CLEANOUTS, ETC.)
- LATERAL LOCATIONS SHOWN ON PLANS ARE FROM BEST AVAILABLE SAWS RECORDS AND STATIONING IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS.
- CONTRACTOR MUST NOTIFY AND/OR CONTACT SAWS INSPECTIONS AT 210-233-3500 AND ENGINEER OF RECORD (LAN) AT 210-499-5082 48 HOURS BEFORE ANY CONSTRUCTION TAKES PLACE, INCLUDING BUT NOT LIMITED TO:
  - NOTIFICATION OF PRE-TELEVISION INSPECTION
  - NOTIFICATION OF BYPASS PUMPING SETUP OPERATIONS
  - NOTIFICATION OF THE PIPE INSTALLATION
  - TESTING
- CONTRACTOR SHALL NOTIFY MARK SPAULDING (210-441-9078) @ VIA METROPOLITAN 14 DAYS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES NEAR EXISTING BUS STOP SHELTERS. CONTRACTOR SHALL EXPOSE ALL UTILITIES TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES AND GRADES BEFORE START OF CONSTRUCTION (NSPI).
- IF UNABLE TO LOCATE MH 11722, CONTRACTOR TO INSTALL NEW MH, RELOCATE PRIVATE LATERAL AND GROUT ABANDONED MAIN.

**PROPERTY AND EASEMENT LINES NOTE:**  
 PROPERTY LINES AND EASEMENT LINES ARE SHOWN AT APPROXIMATE LOCATIONS BASED ON GIS DATA (APPARENT ROW) AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.



04/08/2020

100% SUBMITTAL



LEGEND	
PROP. SAN SEWER CIPP	---
EXIST. WATER MAIN	— 6"CL.W. —
EXIST. GAS MAIN	— 2" —
EXIST. SANITARY SEWER	— 8" —
EXIST. STORM SEWER	— 24"ST —
EXIST. UTILITY POLE	— ● —
EXIST. ELECTRIC CABLE	— E —
EXIST. OVERHEAD ELECTRIC CABLE	— OE —
EXIST. UNDERGROUND TELEPHONE CABLE	— UT —
EXIST. SANITARY SEWER LATERAL	---

REVISIONS			
No.	Revision	Drawn	Approved
1	Addendum 2	MWS	EMA
			4/8/20

**REVISIONS**

**MULTIPLE SEWERSHED PKG 12 CIPP AY40 COMPKEY: 976999 CIPP PLAN SHEET**

DEVELOPER: \_\_\_\_\_  
 CONT. BUDGET PROJ. \_\_\_\_\_

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

MAP No. 172592  
 SECT. No. \_\_\_\_\_  
 DR. MRG | CK, EMA | JOB No. 19-4544

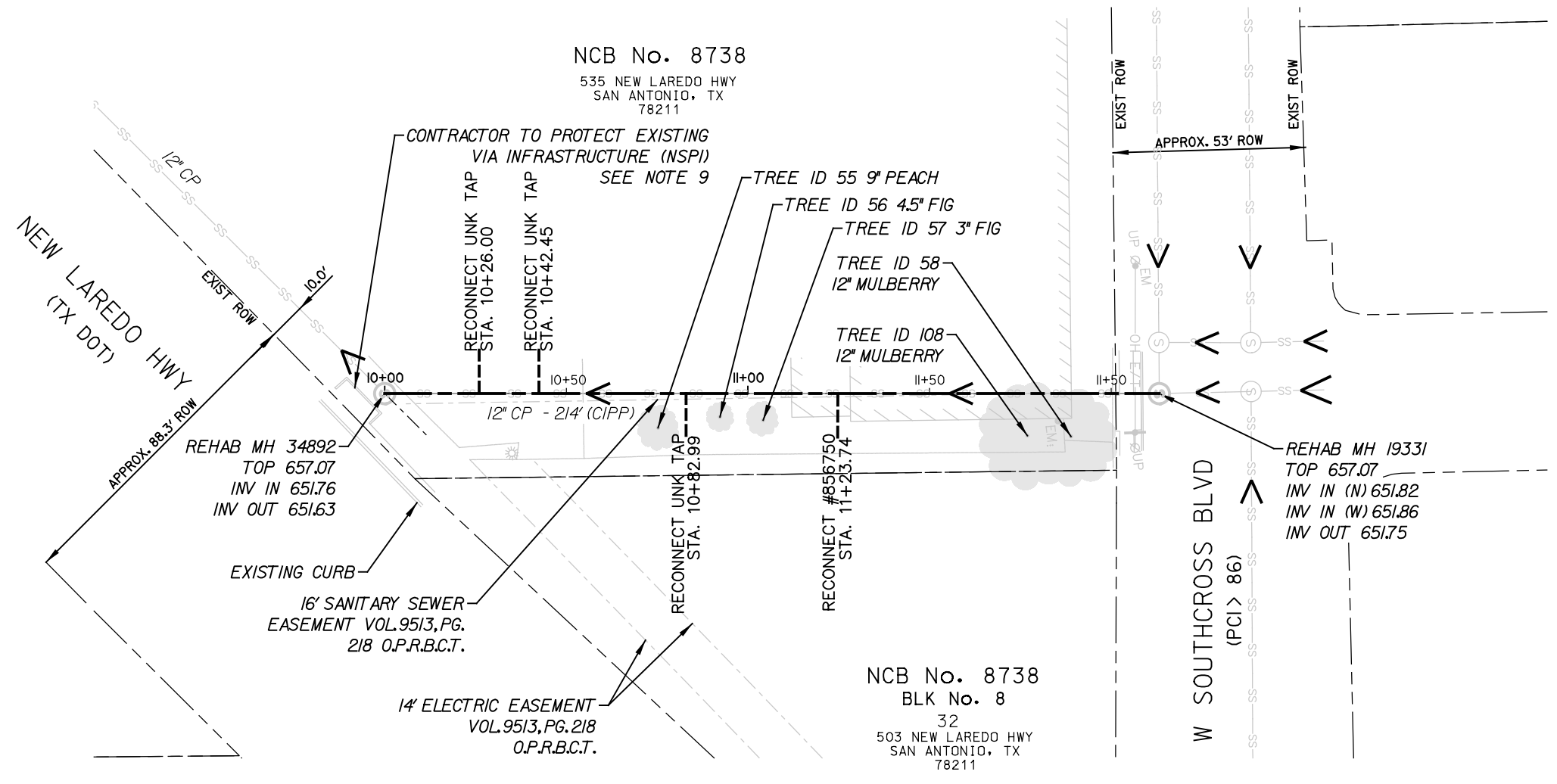
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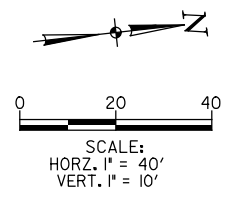
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ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	EST. QTY
530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (New Laredo)	LS	1
864-SI	BYPASS PUMPING (New Laredo)	LS	1
866	SEWER MAIN PRE-TELEVISION INSPECTION (8" THROUGH 15" DIAMETER)	LF	214
901	REHAB OF 12" SANITARY SEWER PIPE BY CIPP (HOT WATER), ALL DEPTHS	LF	214
SS 910	MANHOLE REHABILITATION (INC NEW RING, COVER, CONCRETE ENCASEMENT)	VF	10.0
1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	4



- NOTES:**
- TRENCH EXCAVATION SAFETY PROTECTION SHALL BE IN ACCORDANCE WITH GENERAL NOTES AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING THE INTEGRITY OF OTHER UTILITIES DURING CONSTRUCTIONS (NSPI).
  - CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS AS SHOWN BY AND IN ACCORDANCE WITH COSA'S TCP THROUGH ALL DRIVEWAYS FOR EMERGENCY ACCESS.
  - CONTRACTOR TO PROTECT EXIST SIGNS, PROVIDE TEMPORARY SIGNS, AND SALVAGE AND REPLACE SIGNS THAT INTERFERE WITH REHABILITATION OF SEWER (NSPI).
  - MANHOLES TO BE TESTED IN ACCORDANCE WITH SAWS REQUIREMENTS AND DOCUMENTED AS OUTLINED BY SAWS REGULATIONS.
  - CONTRACTOR SHALL MAINTAIN ACCESS TO SURFACE FEATURES (MANHOLES, CLEANOUTS, ETC.)
  - LATERAL LOCATIONS SHOWN ON PLANS ARE FROM BEST AVAILABLE RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS.
  - CONTRACTOR MUST FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES AND GRADES BEFORE START OF CONSTRUCTION (NSPI).
  - CONTRACTOR MUST NOTIFY AND/OR CONTACT SAWS INSPECTIONS AT 233-3500 AND ENGINEER OF RECORD (LAN) AT 499-5082 48 HOURS BEFORE ANY CONSTRUCTION TAKES PLACE. INCLUDING BUT NOT LIMITED TO:
    - NOTIFICATION OF PRE-TELEVISION INSPECTION
    - NOTIFICATION OF BYPASS PUMPING SETUP OPERATIONS
    - NOTIFICATION OF THE PIPE INSTALLATION
    - TESTING
  - CONTRACTOR SHALL NOTIFY MARK SPAULDING (210-441-9078) @ VIA METROPOLITAN 14 DAYS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES NEAR EXISTING BUS STOP SHELTERS. CONTRACTOR SHALL EXPOSE ALL UTILITIES TO FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES AND GRADES BEFORE START OF CONSTRUCTION (NSPI).

**POLE BRACING NOTE:**  
CONTRACTOR TO CONTACT CPS FOR POLE BRACING UPON RECEIPT OF SAWS NTP



04/08/2020

**LEGEND**

PROP. SAN SEWER CIPP	---
EXIST. WATER MAIN	— 6" C.I.W. —
EXIST. GAS MAIN	— 2" —
EXIST. SANITARY SEWER	— 8" —
EXIST. STORM SEWER	— 24" ST —
EXIST. UTILITY POLE	— ● —
EXIST. ELECTRIC CABLE	— E —
EXIST. OVERHEAD ELECTRIC CABLE	— OE —
EXIST. UNDERGROUND TELEPHONE CABLE	— UT —
EXIST. SANITARY SEWER LATERAL	---

**100% SUBMITTAL**

**LAN Lockwood, Andrews & Newnam, Inc.**  
A LEGAL DAILY COMPANY  
TBPE REGISTRATION NO: F-2614

No.	Revision	Drawn	Approved	Date
1	Addendum 2	MWS	EMA	4/8/20

**REVISIONS**

**MULTIPLE SEWERSHED PKG 12 CIPP**  
BP30  
COMPKEY: 973088  
CIPP PLAN SHEET

DEVELOPER: [Signature]  
CONT. BUDGET PROJ.

SUBMITTED: \_\_\_\_\_  
APPROVED: \_\_\_\_\_

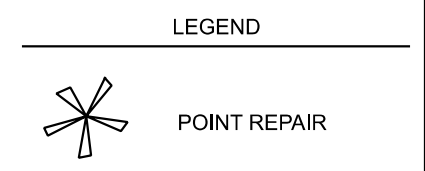
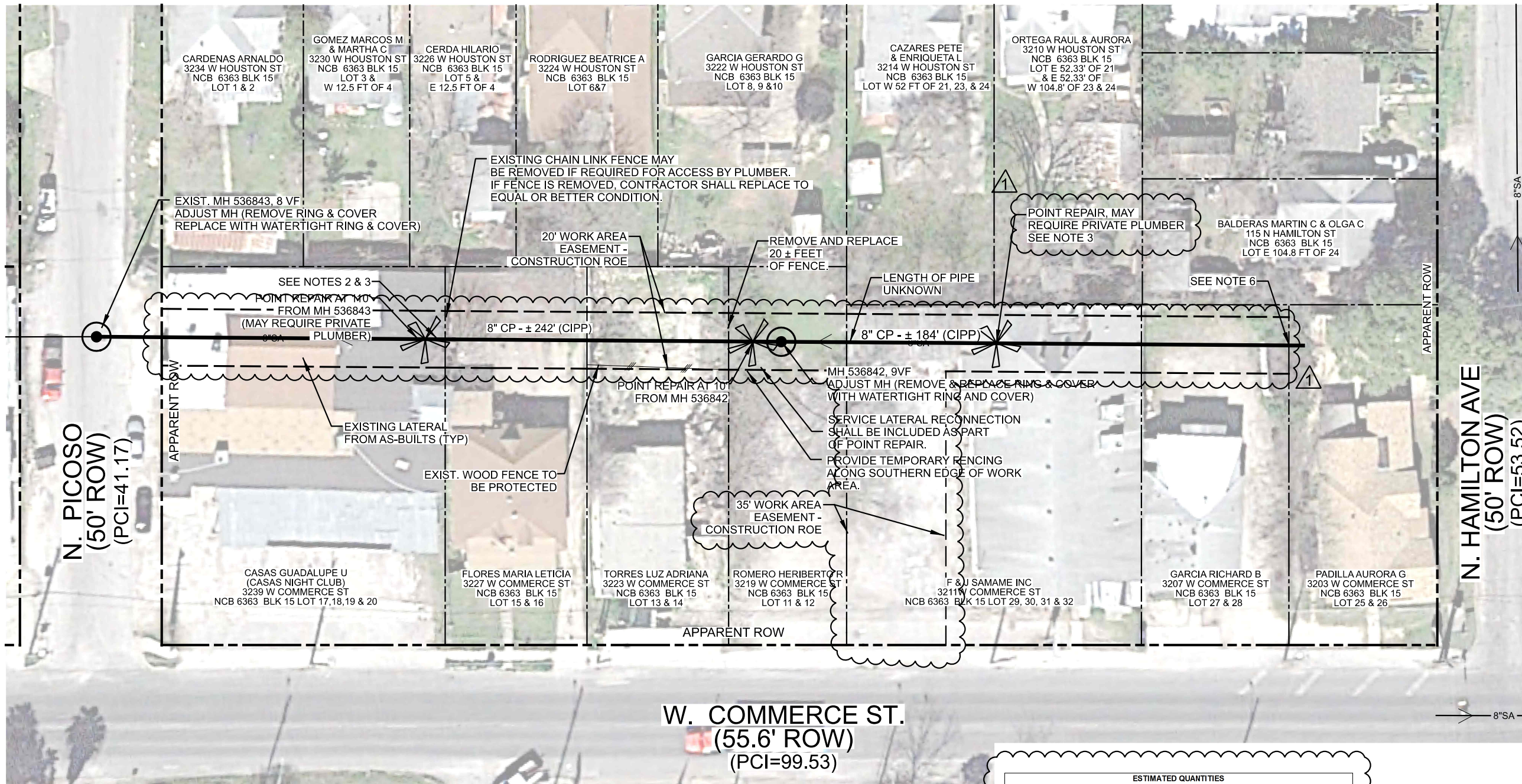
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SECT. No. \_\_\_\_\_  
DR. MRG | CK. EMA | JOB No. 19-4544

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**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 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 EXCAVATIONS. CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR 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. CALL C.P.S. LOCATOR AT 210-227-3606, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.



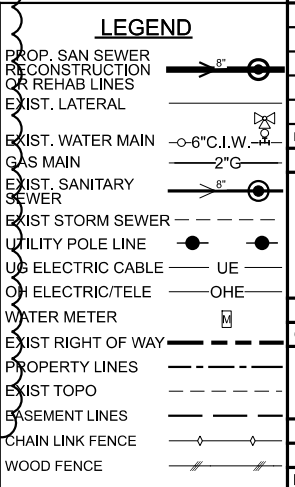
**NOTES**

1. DUE TO FEDERAL REGULATION TITLE 49, PART 92.181 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.

**MAESTAS**  
 8122 DATAPoint DR., STE. 840 SAN ANTONIO, TX 78229  
 (210) 366-1988 TBPE No.: F-333 TBPLs No.: 10194506

- NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING POWER POLES (NSPI).
  - VOID AROUND SURROUNDING LATERAL SHALL BE FILLED WITH FLOWABLE FILL.
  - LICENSED PLUMBER MAY BE REQUIRED TO RECONNECT LATERAL UNDER BUILDING.
  - CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AROUND POINT REPAIR EXCAVATIONS.
  - ALL LATERALS SHALL BE RECONNECTED USING REMOVE DEVICE FOLLOWING CIPP.
  - END OF SANITARY SEWER WILL BE DETERMINED BASED ON CCTV VIDEO AFTER POINT REPAIR PRIOR TO CIPP INSTALLATION.

ESTIMATED QUANTITIES				
ITEM	DESCRIPTION	UNIT	EST	FINAL
413.1	FLOWABLE FILL (LOW STRENGTH)	CY	5	
507.2	CHAIN LINK WIRE FENCE (6 FT. HIGH) (COSA SPEC)	LF	20	
530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC)	LS	1	
540.7	CONSTRUCTION PERIMETER FENCE	LF	100	
550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	28	
864-S1	BYPASS PUMPING SMALL DIAMETER SANITARY SEWER	EA	1	
866	SEWER MAIN PRE-TELEVISION INSPECTION (8" THROUGH 15" DIA)	LF	425	
901	CIPP 8" SANITARY SEWER PIPE, ALL DEPTHS	LF	425	
SS 910	MANHOLE REHABILITATION (INC NEW RING, COVER, CONCRETE ENGASEMENT)	VF	17	
1103.1	POINT REPAIRS FOR 8" OR 10" DIAMETER (0'-10' DEPTH) INCLUDING UP TO 9 LF OF PIPING	EA	3	
1103.2	EXTRA LENGTH POINT REPAIR, 8" OR 10" DIAMETER, ALL DEPTHS	LF	10	
1109	SERVICE RECONNECTION, ALL DEPTHS (W/ REMOTE CONTROL CUT DEVICE)	EA	5	
SS 1	REMOVE AND REPLACE WOOD FENCE (6" HEIGHT)	LF	20	
SS 3300	SANITARY SEWER PRIVATE LATERALS (4"-6") (N. Picoso)	LF	35	



1	ADDENDUM 2	ETM	ETM	04/08/20
No.	Revision	Drawn	Approved	Date

**REVISIONS**

**MULTIPLE SEWERSHED PKG 12 CIPP**

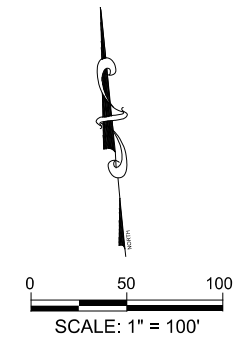
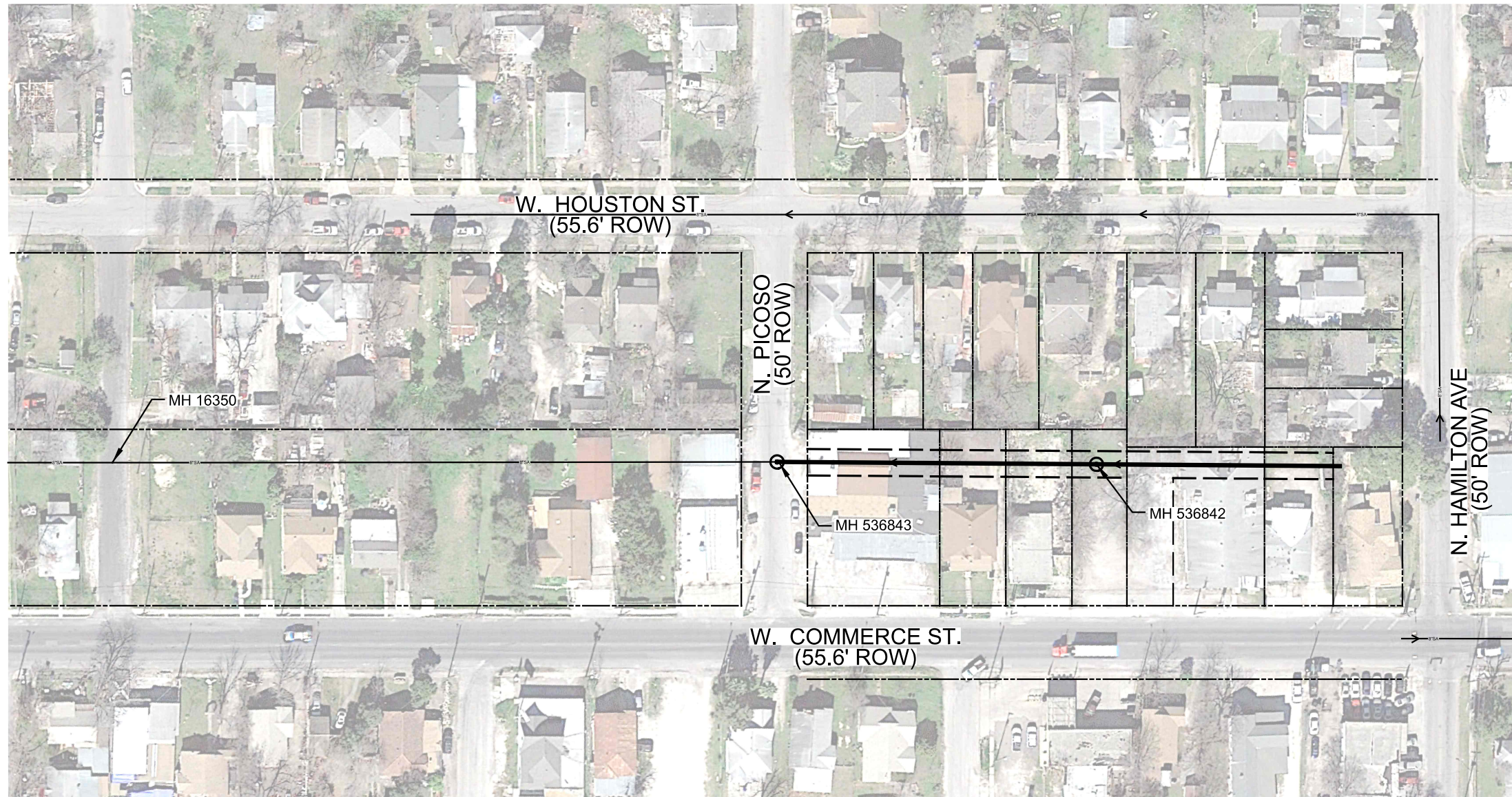
**N. PICOSO TO N. HAMILTON AVE. SHEET 1 OF 1**

DEVELOPER: SAN ANTONIO WATER SYSTEM  
 CONT. BUDGET PROJ. #

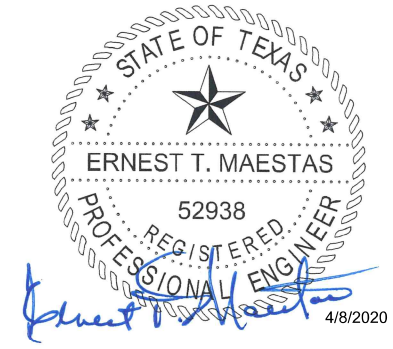
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

MAP No. 148580 SHEET 17  
 SECT. No. \_\_\_\_\_  
 DR. CAD CK. ETM JOB No. 19-4544

Z:\Projects\1067-403\_SAVS IDIQ\_W09-2019\_CNIOM Package 2\06\_CADD Files\06.70 - Utilities\PICOSO\M067-03-SEW-PLN-PICOSO-01.dgn 10:57:11 AM 4/8/2020



1  
 CONTRACTOR TO COORDINATE WITH PROPERTY OWNERS TO MINIMIZE SEWER FACILITY USAGE DURING CONSTRUCTION AND/OR INTERCEPT SEWER LATERALS AS NEEDED.



**NOTES**

1. DUE TO FEDERAL REGULATION TITLE 49, PART 92.181 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.

MAESTAS

8122 DATAPoint DR., STE. 840 SAN ANTONIO, TX 78229  
(210) 366-1988 TBPE No.: F-333 TBPLS No.: 10194506

No.	Revision	Drawn	Approved	Date
1	ADDENDUM 2	ETM	ETM	04/08/20

REVISIONS

MULTIPLE SEWERSHED PKG 12  
CIPP  
N. PICOSO TO  
N. HAMILTON AVE.  
BYPASS PLAN  
SHEET 1 OF 1

DEVELOPER: SAN ANTONIO WATER SYSTEM  
CONT. BUDGET PROJ. #

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

MAP No. 148580 SHEET  
SECT. No. \_\_\_\_\_  
DR. CAD CK. ETM JOB No. 19-4544 21