



**Roosevelt Ave. 36 Inch Sewer Abandonment  
Solicitation Number: CO-00354  
Job No.: 20-5524**

**ADDENDUM #1  
August 25, 2020**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specification and 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.

<b>RESPONSES TO QUESTIONS</b>
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**1. Question: Do you anticipate extending the bid due date?**

*Response: Not at this time. Bid opening is scheduled for September 2<sup>nd</sup>, 2020.*

**2. Question: What additional details are you willing to provide, if any, beyond what is stated in bid documents concerning how you will identify the winning bid?**

*Response: No additional details will be provided beyond what is already specified in the Project Manual. See section SBE-1 for more information.*

**3. Question: Was this bid posted to the nationwide free bid notification website at [www.mygovewatch.com/free](http://www.mygovewatch.com/free)?**

*Response: No. Posting our projects to [www.mygovewatch.com](http://www.mygovewatch.com) is not part of the SAWS process.*

**4. Question: Other than your own website, where was this bid posted?**

*Response: The project was also posted to the Hart Beat Newspaper.*

**5. Question: Is the existing 36 in sewer in service?**

*Response: Yes*



### CHANGES TO THE SPECIFICATIONS

1. Revised bid proposal by increasing quantities to Item No. 854 – Sanitary Sewer Laterals
2. Revised bid proposal by adding Item 849 – Sanitary Sewer Acceptance Testing

### CHANGES TO THE PLANS

1. Quantities for Item No. 854 – Sanitary Sewer Laterals increased.
2. Line Item 849 – Sanitary Sewer Acceptance Testing added to plans.
3. Attached is entire updated plan set, sheets 1 - 7.

### CLARIFICATIONS TO THE SPECIFICATIONS

1. Construction Cost Estimate increased to \$523,861.65
2. Added Electronic Bid Opening Instructions

### END OF ADDENDUM 1

This Addendum is 12 page in its entirety to include attachments.

A handwritten signature in blue ink that reads "James McGarr".

James McGarr, P.E.  
Civil Tech PIIc  
TBPE # 13711



#### Attachments:

1. Bid Proposal (Pages 3 & 4)
2. Electronic Bid Opening Instructions (Page 5)
3. Plan Sheets (Pages 6 - 12)

BID PROPOSAL

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

THE SAN ANTONIO WATER SYSTEM:

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

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

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

The Contractor herein acknowledges receipt of the following:  
Addendum 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 **120** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

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

**Statement on President's Executive Orders**

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

Yes  No

Item No.	Spec No.	Description	Unit	QTY	Unit Price	Total Price
1	103.3	Remove Sidewalks and Driveways	SF	375	\$	\$
2	203	Tack Coat	GAL	19	\$	\$
3	205	Hot Mix Asphaltic Pavement - Type B (10" compacted depth)	SY	250	\$	\$
4	205	Hot Mix Asphaltic Pavement - Type D (2" compacted depth)	SY	340	\$	\$
5	413	Flowable Fill	CY	410	\$	\$
6	530	Barricades, Signs, and Traffic Handling	LS	1	\$	\$
7	550	Trench Excavation Safety Protection	LF	765	\$	\$
8	848	8" PVC Gravity Sanitary Sewer Pipe (DR 26-2241, 160 PSI), (All Depths)	LF	765	\$	\$
9	849	Sanitary Sewer Acceptance Testing	LF	765	\$	\$
10	852	Sanitary Sewer Manhole (0'-6')	EA	4	\$	\$
11	852	External Drop Manhole	EA	1	\$	\$
12	852	Extra Depth Manholes (Greater than 6')	VF	14	\$	\$
13	854	Sanitary Sewer Laterals, (SDR 26, ASTM 2241, 160 PSI)	LF	480	\$	\$
14	854	Two-Way Sanitary Sewer Clean-Out	EA	14	\$	\$
15	860	Vertical Stacks	VF	14.5	\$	\$
16	862	Abandonment of Sanitary Sewer Main	LF	1115	\$	\$
17	862	Abandonment of Sanitary Sewer Manhole	EA	2	\$	\$
18	866	Sewer Main Pre-Television Inspection 36" Main	LF	1115	\$	\$
19	866	Sewer Main Post-Television Inspection 8" Main	LF	765	\$	\$
20	864	Bypass Pumping	LS	1	\$	\$
<b>SUBTOTAL (ITEMS 1 - 20)</b>					<b>\$</b>	

100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEMS 1 - 19	LS	1	\$
101	PREPARING ROW, MAX 5% OF LINE ITEMS 1 – 19	LS.	1	\$

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

<b>TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1 - 19 AND 100-101)</b>	<b>\$</b>
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**Roosevelt Ave. 36-inch Sewer Abandonment Project**  
**Solicitation Number: CO-00354-FG**

**ELECTRONIC BID OPENING INSTRUCTIONS**  
**August 31, 2020 at 1:00 P.M. (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 **August 31, 2020 by 10:00 am** to receive access to the FTP site via email to **Florinda.gonzales@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 after **August 31, 2020 by 10:00 am (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 **September 2, 2020 by 1:00 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-00354-FG – Roosevelt Ave. 36-inch Sewer Abandonment Project**
- 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 Interim Contract Administrator, **Florinda Gonzales**, at 210-233-3914 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 or join the WebEx meeting from [here](#).

**Access Information**

Meeting Number: 146 872 1809

Meeting Password: uwRwE6kPn43

Audio Connection: 210-233-2090 (SAWS WebEx)

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

Thank you,

**Florinda Gonzales**

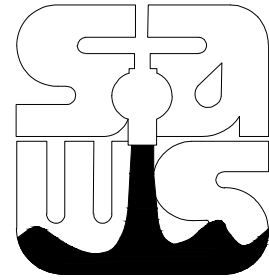
Interim Contract Administrator

2800 U.S. Highway 281 North, Ste. 171 | San Antonio, TX 78212

Office | 210-233-3914

Email | [florinda.gonzales@saws.org](mailto:florinda.gonzales@saws.org)

# SAN ANTONIO WATER SYSTEM



SAWS JOB NO: 20-5524

## ROOSEVELT AVE -- GROVE AVE. TO LOWELL STREET SEWER PLANS

SUBMITTAL PREPARED BY:

**CIVIL TECH, PLLC.**  
ENGINEERS, CONSULTANTS, LAND PLANNERS  
Firm No. 13711 (210) 365-5029  
P.O. BOX 2203 BOERNE, TX. 78006



LOCATION MAP  
NOT TO SCALE

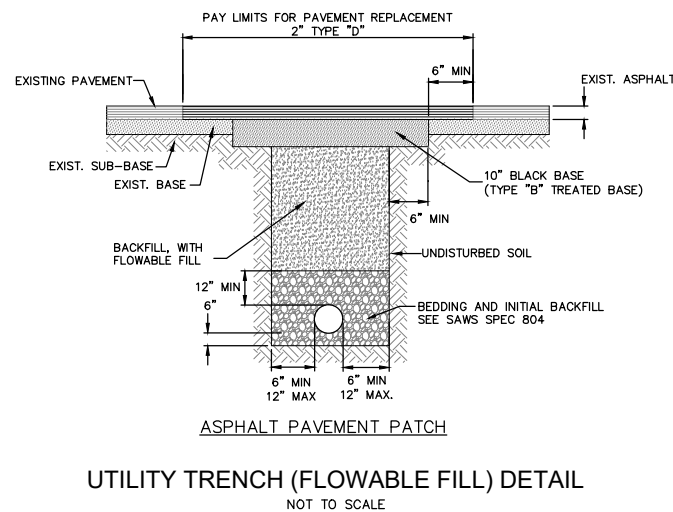
### SHEET LISTS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES AND QUANTITIES
3	PROJECT LAYOUT
4	SANITARY SEWER PLAN AND PROFILE 36" LINE ABANDONMENT
5	SANITARY SEWER PLAN AND PROFILE LINE A BEGIN TO STA 5+00
6	SANITARY SEWER PLAN AND PROFILE LINE A STA 5+00 TO END
7	TREE PROTECTION DETAIL

General Section

- 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:
    - 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 290.
    - Current TXDOT "Standard Specifications for Construction of Highways, Streets and Drainage."
    - Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction."
    - Current City of San Antonio "Standard Specifications for Public Works Construction."
    - Current City of San Antonio "Utility Excavation Criteria Manual" (UECM).
  - The Contractor shall obtain SAWS Standard Details from SAWS website, [http://www.saws.org/business\\_center/specs](http://www.saws.org/business_center/specs). Unless otherwise noted within design plans.
  - The Contractor is to notify and make arrangements with the SAWS Construction Inspection Division at 233-3500, and provide notification procedures the contractor will use to notify affected home residents and/or property owners 48 hours prior to excavation.
  - 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 at least 1 week prior to construction. It shall be the Contractor's responsibility to locate utility service lines as required for construction and to protect them during construction at no cost to SAWS.
  - The Contractor shall verify the exact location of underground utilities and drainage structures at least 1-2 weeks prior to construction whether shown on plans or not. Please allow up to 7 business days for locates requesting pipe location markers on SAWS facilities. The following contact information are supplied for verification purposes:
    - San Antonio Water System:
      - SAWS Utility Locates: <http://www.saws.org/Service/Locates>
      - COSA Drainage 207-8048
      - COSA Traffic Signal Operations 207-7720
      - Texas State Wide One Call Locator 1-800-545-6005 or 811
  - 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.
  - All work in Texas Highway Department and Bexar County right-of-way shall be done in accordance with respective construction specifications and permit.
  - The Contractor shall comply with City of San Antonio or other governing Municipality's tree ordinances when excavating near trees.
  - The Contractor shall not place any waste materials in the 100-year Flood Plain without first obtaining an approved Flood Plain Permit.
  - 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.
  - Holiday Work: Contractors will not be allowed to perform SAWS work on SAWS recognized holidays. Request should be sent to [constworkreq@saws.org](mailto:constworkreq@saws.org).  
Weekend Work: Contractors are required to notify the SAWS Inspection Construction department 48 hours in advance to request weekend work. Request should be sent to [constworkreq@saws.org](mailto:constworkreq@saws.org). Any and all SAWS utility work installed without holiday/weekend approval will be subject to be uncovered for proper inspection.
  - 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)
  - 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 impacts.
- Sever Section:
- The Contractor is responsible for ensuring that no sanitary sewer overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall:
    - Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210)233-2015. Provide the address of the spill and an estimated volume or flow.
    - Attempt to eliminate the source of the SSO.
    - Contain sewage from the SSO to the extent of preventing a possible contamination of waterways.
    - Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated soil/materials.
    - Clean the affected sewer mains and remove any debris.
    - Meet all post-SSO requirements as per the EPA Consent Decree, including line cleaning and televising the affected sewer mains (at SAWS direction) within 24 hours.
- Should the Contractor fail to address an SSO immediately and to SAWS satisfaction, they will be responsible for all costs incurred by SAWS, including any fines from EPA. No separate measurement or payment shall be made for this work. All work shall be done according to guidelines set by the TCEQ and SAWS.
- The Contractor shall provide bypass pumping of sewage around each segment of pipe to be replaced, in accordance with SAWS Standard Specification for Water and Sanitary Sewer Construction, Item No. 864, "Bypass Pumping". Payment for such work will be made under the bid item "Sanitary Sewer (Bypass Pumping)" (Lump Sum) as per SAWS Standard Specification for Water and Sanitary Sewer Construction, Item No. 864, "Bypass Pumping".
  - Prior to tie-ins, any shutdowns of existing force mains of any size must be coordinated with the SAWS Construction Inspection Division at 233-3500 and/or SAWS Production groups at least one week or more in advance of the shutdown. The Contractor must also provide a sequence of work as related to the tie-ins; this is at no additional cost to SAWS or the project and it is the responsibility of the Contractor to sequence the work accordingly.
  - ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY:  
It shall be the responsibility of the Contractor to make allowances and adjustments for top of manholes to match the finished grade of the project's improvements. (NSPI).
  - The Contractor shall notify Juan C. Ramirez at (210) 233-3558 and SAWS E.O.C. at (210) 233-2015 a minimum of 72 hours, not counting weekends or SAWS holidays, before working on the pipe or manhole, in order to have SAWS remove the Smart Cover. Any damage done to the Smart Cover will be charged to the Contractor through a change order.

Total Estimated Quantities			
Item No.	Description	Unit	Quantity
100.1	Mobilization	LS	1
101.1	Preparing Right-of-Way	LS	1
103.3	Remove Sidewalks and Driveways	SF	375
203	Tack Coat	GAL	19
205	Hot Mix Asphaltic Pavement - Type B (10" compacted depth)	SY	250
205	Hot Mix Asphaltic Pavement - Type D (2" compacted depth)	SY	340
413	Flowable Fill	CY	410
530	Barricades, Signs, and Traffic Handling	LS	1
550	Trench Excavation Safety Protection	LF	765
848	8" PVC Gravity Sanitary Sewer Pipe (DR 26-2241, 160 PSI), (All Depths)	LF	745
849	Sanitary Sewer Acceptance Testing	LF	745
852	Sanitary Sewer Manhole (0'-6')	EA	4
852	External Drop Manhole	LS	1
852	Extra Depth Manholes (Greater than 6')	VF	13.96
854	Sanitary Sewer Laterals, (SDR 26, ASTM 2241, 160 PSI)	LF	480
854	Two-Way Sanitary Sewer Clean-Out	EA	14
860	Vertical Stacks	VF	14.5
862	Abandonment of Sanitary Sewer Main	LF	1115
862	Abandonment of Sanitary Sewer Manhole	EA	3
866	Sewer Main Pre-Television Inspection 36" Main	LF	1115
866	Sewer Main Post-Television Inspection 8" Main	LF	745
864	Bypass Pumping	LS	1



GENERAL NOTES:

- THE LOCATION OF UNDERGROUND UTILITIES ARE SHOWN TO THE BEST OF CIVIL TECH PLLC'S ABILITY BASED ON ONE CALL LOCATES, ASBLUT DRAWINGS AND SAWS MAPS. UTILITY CONFLICTS AND CROSSINGS WERE NOT DIGEST VERIFIED FOR DEPTH, LOCATION AND SIZE. IT IS THE CONTRACTORS DUTY TO FIELD VERIFY CLEARANCE AND CROSSINGS BEFORE STARTING EXCAVATION AND TRENCHING.
- CONTRACTOR TO VERIFY EXISTING TIE-IN ELEVATIONS BEFORE STARTING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY AND CONTACT SAWS IF THERE ARE ANY LATERALS CONNECTING TO THE MAIN NOT SHOWN ON THE PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OPERATIONS OF ALL EXISTING UTILITIES AFFECTED BY THE PROPOSED CONSTRUCTION.
- IF SANITARY SEWER LATERALS ARE WITHIN 9 FEET OF A PROPOSED WATER SERVICE LINE, THE SANITARY SEWER LATERALS SHALL BE ENCASED WITH FLOWABLE FILL. THE ENCASEMENT SHALL BE 6-INCHES BELOW THE LATERAL, 6-INCHES ABOVE THE LATERAL, AND 6-INCHES ON EITHER SIDE OF THE LATERAL.
- THE CONTRACTOR SHALL MAINTAIN AT LEAST TWO FEET OF VERTICAL SEPARATION BETWEEN SEWER LINES (MANS AND LATERALS) AND EXISTING GAS MAINS.
- PERCENT SLOPE OF SEWER MAIN IS CALCULATED BETWEEN TWO MANHOLES AT THE CENTER OF THE MANHOLE.
- THE CONTRACTOR SHALL RE-ESTABLISH ANY PROPERTY MARKER, BENCHMARK, ETC. DISTURBED DURING CONSTRUCTION TO ITS ORIGINAL LOCATION AND ELEVATION. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VERTICAL AND HORIZONTAL CONTROL SHOWN ON THE PLANS THROUGHOUT THE PROJECT. RE-ESTABLISHMENT DISTURBED OR DESTROYED ITEMS BY REGISTERED PUBIC SURVEYOR IN THE STATE OF TEXAS AT NO ADDITIONAL COST TO SAWS.
- CONTRACTOR SHALL MAINTAIN ACCESS TO PUBLIC AND PRIVATE FACILITIES DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE AND THE SAN ANTONIO WATER SYSTEM.
- CONTRACTOR MAY ENCOUNTER CONCRETE ENCASEMENT IN THE IMMEDIATE VICINITY OF EXISTING MANHOLES. AND CONCRETE REMOVAL REQUIRED FOR THE PROPER INSTALLATION OF PROPOSED SEWER MAIN AND TIE-INS SHALL BE AT NO ADDITIONAL COST TO THE OWNER. (NSPI)
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE CONSULTANT HARMLESS FROM AN AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXPECTING FROM LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR CONSULTANT.
- RESTORATION OF SODDING AND TOPSOIL IS NSPI. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF ALL NATURAL GROUND DISTURBED BY TRENCHES OR EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- GRAVEL, CONCRETE, AND ASPHALT DRIVEWAYS SHALL BE REMOVED AND REPLACED PER COSA SPECIFICATIONS 503.
- SEWER MAIN AND SEWER LATERALS SHALL HAVE A MINIMUM COVER OF 5' WHEN UNDER PAVEMENT.

CPS ENERGY NOTES:

- CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-545-6005, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES.
- THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN PROJECT AREA.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

AT&T NOTES:

- 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 IS TO CONTACT THE TELEPHONE COMPANY LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR IS TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

CITY OF SAN ANTONIO FLATWORK NOTE:

ALL LIMITS FOR CURB, SIDEWALK, AND TREE PREP BEYOND WHAT IS CONSIDERED INCIDENTAL TO NORMAL UTILITY CONSTRUCTION WILL BE ADDRESSED BY THE SAWS INSPECTOR. SAWS INSPECTOR WILL ALSO DETERMINE IF ADDITIONAL COMPENSATION IS WARRANTED IF LIMITS EXCEED INCIDENTALS.

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 ADDITIONAL GEOTECHNICAL INFORMATION FOR THE ANTICIPATED SITES WITHIN THE PROJECT LIMITS IN ORDER TO IMPLEMENT A TRENCH EXCAVATION SAFETY PROTECTION SYSTEM, PROGRAM, AND/OR PROCEDURES FOR THE DESCRIBED PROJECT. THE CONTRACTORS IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH 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 COVERING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATIONS.



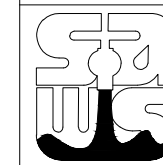
**CIVIL TECH, PLLC.**  
ENGINEERS, CONSULTANTS, LAND PLANNERS

Firm No. 13711 (210) 365-5029  
P.O. BOX 2203 BOERNE, TX. 78006

*James McGuire*  
8/24/2020

No.	REVISION	DRAWN	APPROVED	DATE
				8/25/2020

REVISIONS



ROOSEVELT AVE  
GROVE AVE. TO LOWELL ST.  
SEWER PLANS  
GENERAL NOTES AND  
QUANTITIES

DEVELOPER:

CONT: BUDGET PROJ.

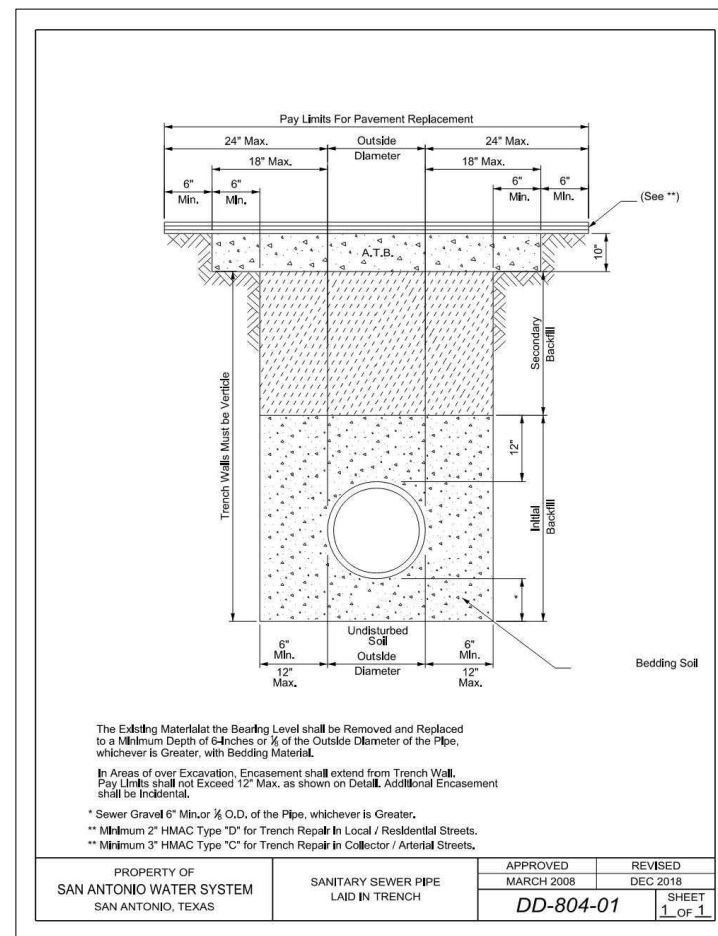
SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_



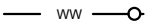




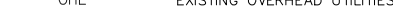
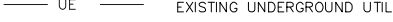
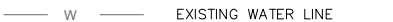


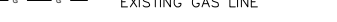




MAP NO. \_\_\_\_\_ SHEET

SECT. NO. \_\_\_\_\_ 2

DR. \_\_\_\_\_ CK. \_\_\_\_\_ JOB NO. 101010 OF 7



LEGEND

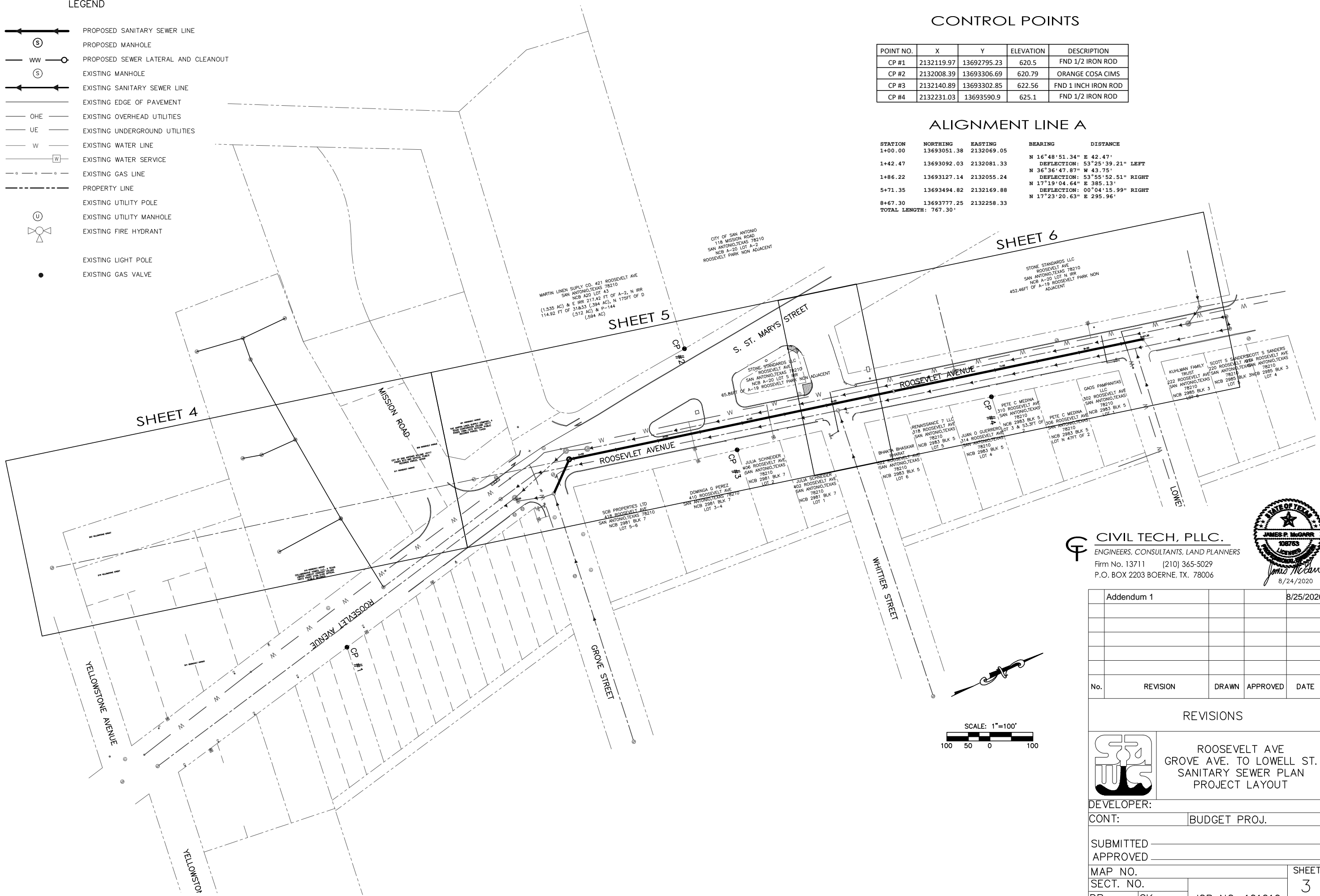
-  PROPOSED SANITARY SEWER LINE
-  PROPOSED MANHOLE
-  PROPOSED SEWER LATERAL AND CLEANOUT
-  EXISTING MANHOLE
-  EXISTING SANITARY SEWER LINE
-  EXISTING EDGE OF PAVEMENT
-  EXISTING OVERHEAD UTILITIES
-  EXISTING UNDERGROUND UTILITIES
-  EXISTING WATER LINE
-  EXISTING WATER SERVICE
-  EXISTING GAS LINE
-  PROPERTY LINE
-  EXISTING UTILITY POLE
-  EXISTING UTILITY MANHOLE
-  EXISTING FIRE HYDRANT
-  EXISTING LIGHT POLE
-  EXISTING GAS VALVE

CONTROL POINTS

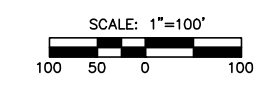
POINT NO.	X	Y	ELEVATION	DESCRIPTION
CP #1	2132119.97	13692795.23	620.5	FND 1/2 IRON ROD
CP #2	2132008.39	13693306.69	620.79	ORANGE COSA CIMS
CP #3	2132140.89	13693302.85	622.56	FND 1 INCH IRON ROD
CP #4	2132231.03	13693590.9	625.1	FND 1/2 IRON ROD

ALIGNMENT LINE A

STATION	NORTHING	EASTING	BEARING	DISTANCE
1+00.00	13693051.38	2132069.05	N 16°48'51.34" E 42.47'	
1+42.47	13693092.03	2132081.33	DEFLECTION: 53°25'39.21" LEFT N 36°36'47.87" W 43.75'	
1+86.22	13693127.14	2132055.24	DEFLECTION: 53°55'52.51" RIGHT N 17°19'04.64" E 385.13'	
5+71.35	13693494.82	2132169.88	DEFLECTION: 00°04'15.99" RIGHT N 17°23'20.63" E 295.96'	
8+67.30	13693777.25	2132258.33		
TOTAL LENGTH: 767.30'				



**CIVIL TECH, PLLC.**  
 ENGINEERS, CONSULTANTS, LAND PLANNERS  
 Firm No. 13711 (210) 365-5029  
 P.O. BOX 2203 BOERNE, TX. 78006



Addendum 1		8/25/2020	
No.	REVISION	DRAWN	APPROVED

REVISIONS

**CIVIL TECH**

Roosevelt Ave  
 Grove Ave. to Lowell St.  
 Sanitary Sewer Plan  
 Project Layout

DEVELOPER: \_\_\_\_\_

CONT: BUDGET PROJ.

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

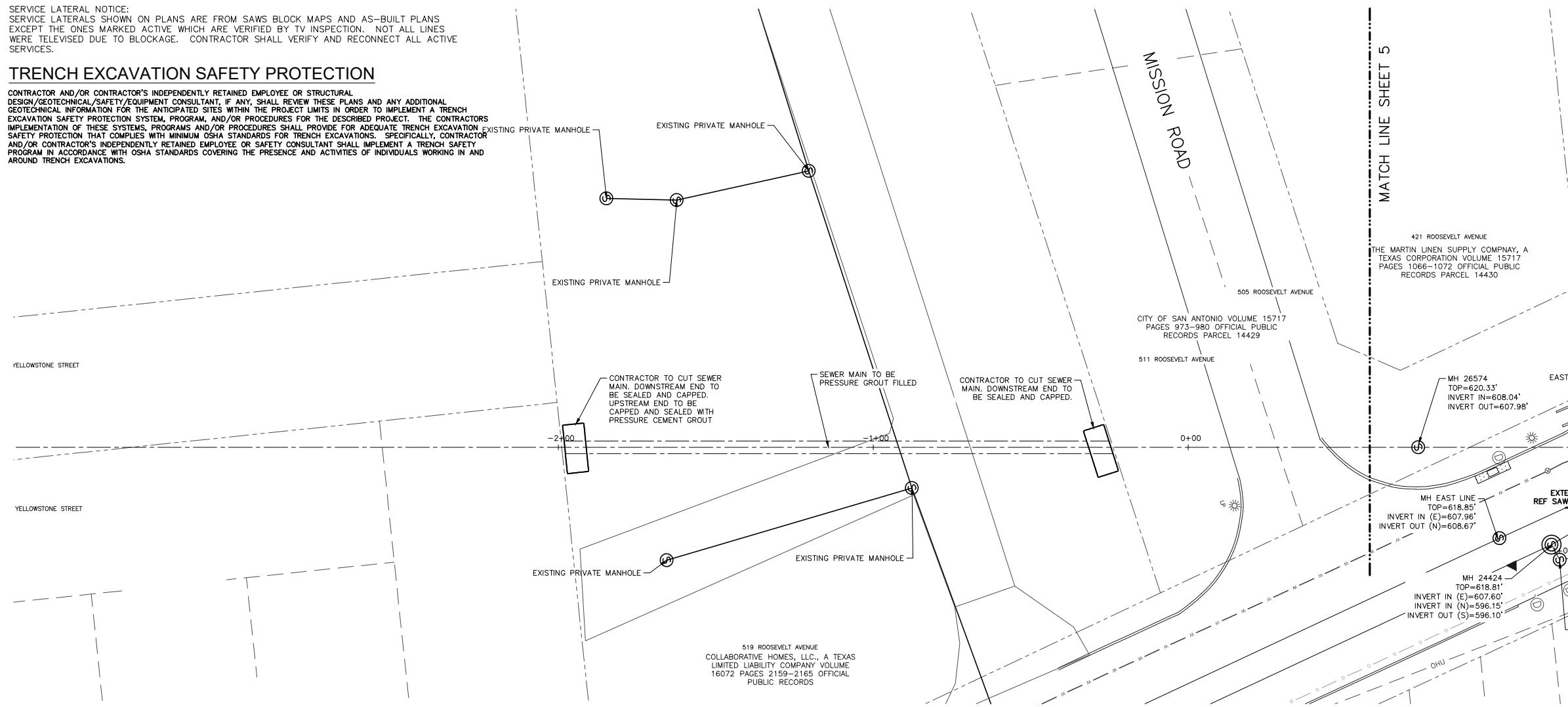
MAP NO.	SHEET 3 OF 7
SECT. NO.	
DR. _____	CK. _____
JOB NO. 101010	



SERVICE LATERAL NOTICE:  
 SERVICE LATERALS SHOWN ON PLANS ARE FROM SAWS BLOCK MAPS AND AS-BUILT PLANS EXCEPT THE ONES MARKED ACTIVE WHICH ARE VERIFIED BY TV INSPECTION. NOT ALL LINES WERE TELEVIEWED DUE TO BLOCKAGE. CONTRACTOR SHALL VERIFY AND RECONNECT ALL ACTIVE SERVICES.

**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 ADDITIONAL GEOTECHNICAL INFORMATION FOR THE ANTICIPATED SITES WITHIN THE PROJECT LIMITS IN ORDER TO IMPLEMENT A TRENCH EXCAVATION SAFETY PROTECTION SYSTEM, PROGRAM, AND/OR PROCEDURES FOR THE DESCRIBED PROJECT. THE CONTRACTORS IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH 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 COVERING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATIONS.



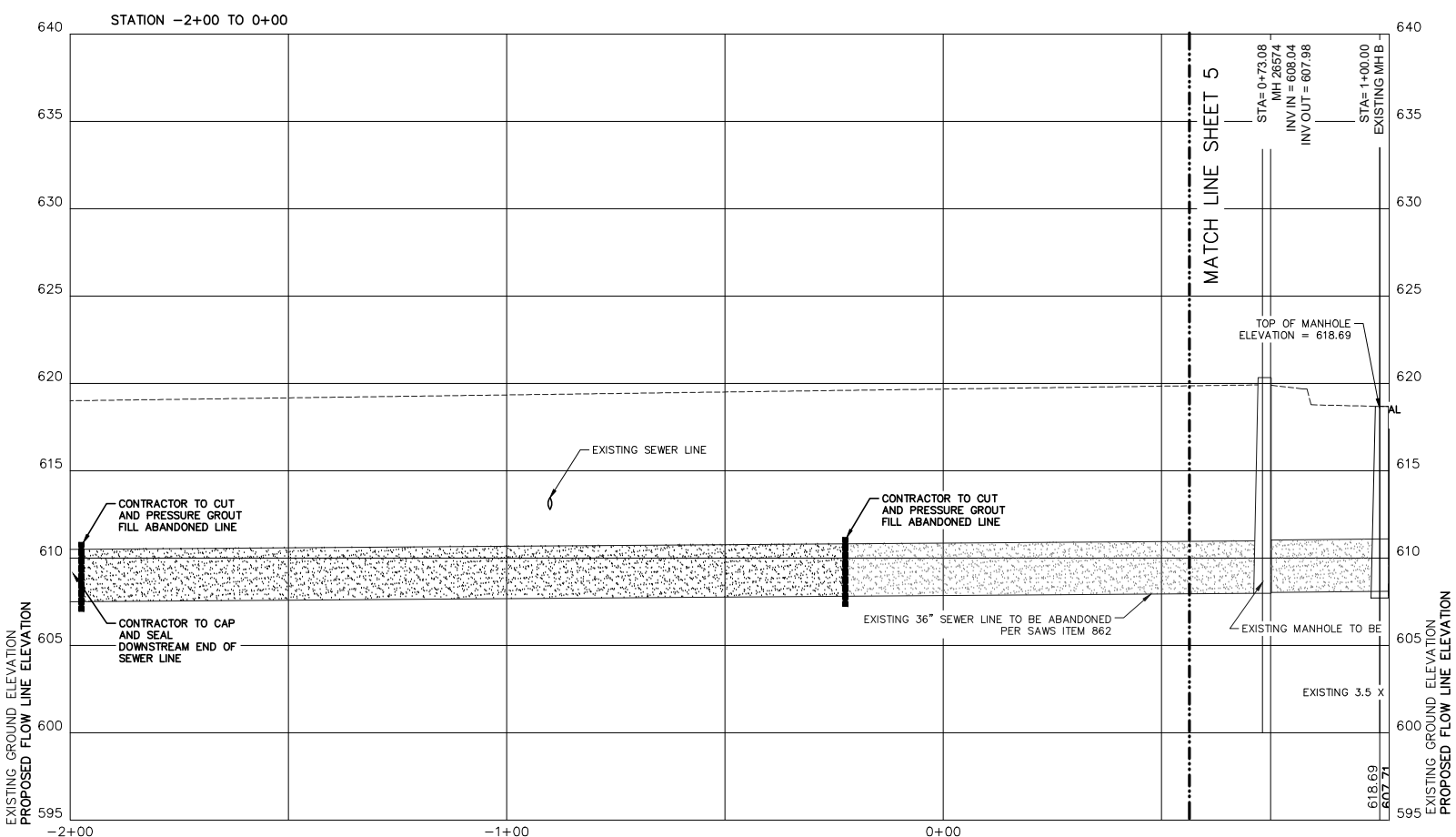
**LEGEND**

- PROPOSED SANITARY SEWER LINE
- PROPOSED MANHOLE
- PROPOSED SEWER LATERAL AND CLEANOUT
- EXISTING MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING OVERHEAD UTILITIES
- EXISTING UNDERGROUND UTILITIES
- EXISTING WATER LINE
- EXISTING WATER SERVICE
- EXISTING GAS LINE
- PROPERTY LINE
- EXISTING UTILITY POLE
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE
- EXISTING GAS VALVE

HORIZONTAL SCALE 1" = 40'  
 0 20 40  
 0 5 10  
 VERTICAL SCALE 1" = 10'

**SEWER LINE A ABANDONMENT**

Estimated Quantities			
Item No.	Description	Unit	Quantity
530	Barricades, Signs, and Traffic Handling	LS	1
862	Abandonment of Sanitary Sewer Main	LF	385
862	Abandonment of Sanitary Sewer Manhole	EA	1
866	Sewer Main Pre-Television Inspection 36" Main	LF	385



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 Firm No. 13711 (210) 365-5029  
 P.O. BOX 2203 BOERNE, TX. 78006

*James P. McGarr*  
 LICENSED  
 10876S  
 8/24/2020

Addendum 1				8/25/2020
No.	REVISION	DRAWN	APPROVED	DATE

**REVISIONS**

ROOSEVELT AVE GROVE AVE. TO LOWELL ST. SANITARY SEWER PLAN AND PROFILE LINE A BEGIN TO STA 5+50

DEVELOPER: \_\_\_\_\_  
 CONT: BUDGET PROJ.  
 SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_  
 MAP NO. \_\_\_\_\_ SHEET 4 OF 7  
 SECT. NO. \_\_\_\_\_  
 DR. \_\_\_\_\_ CK. \_\_\_\_\_ JOB NO. 101010

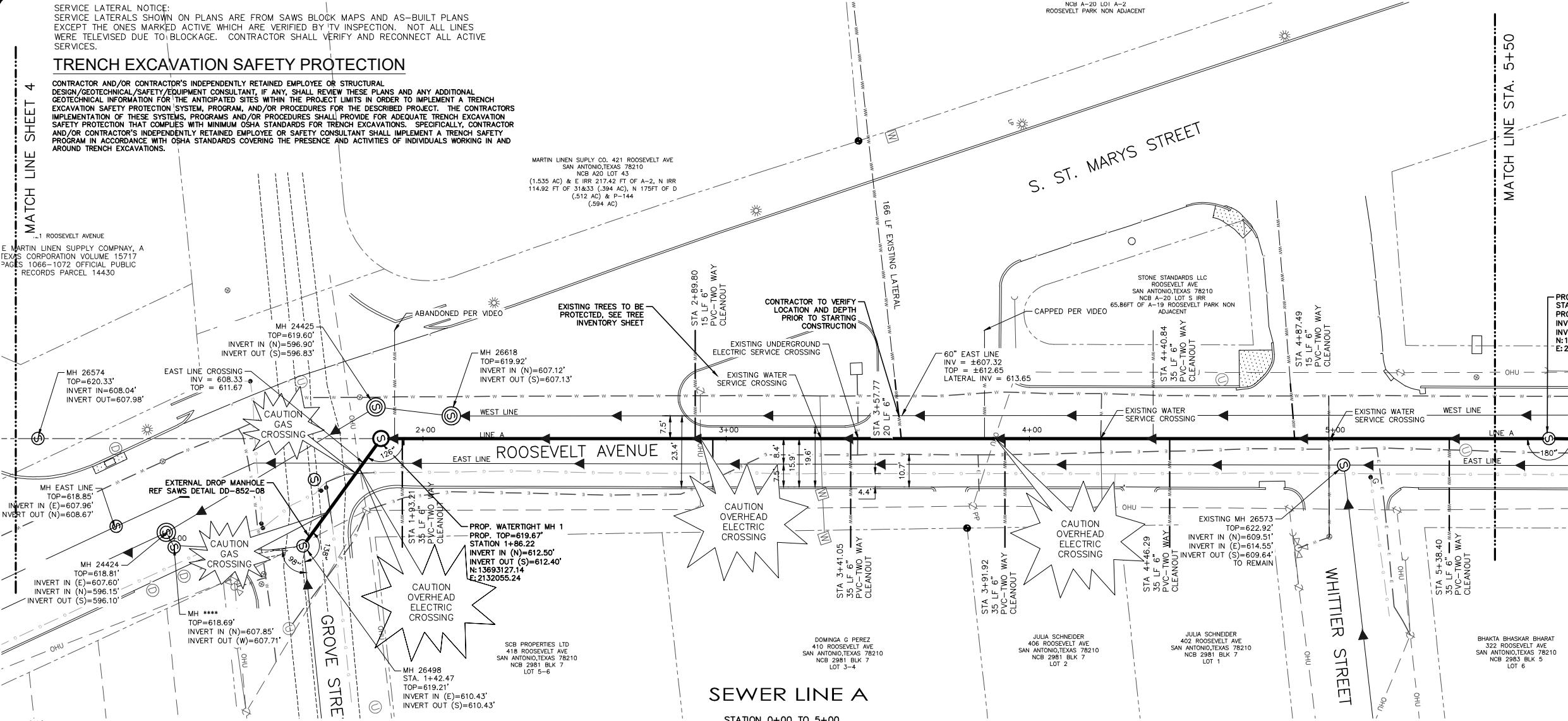
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 SERVICES.

**TRENCH EXCAVATION SAFETY PROTECTION**

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 DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY ADDITIONAL  
 GEOTECHNICAL INFORMATION FOR THE ANTICIPATED SITES WITHIN THE PROJECT LIMITS IN ORDER TO IMPLEMENT A TRENCH  
 EXCAVATION SAFETY PROTECTION SYSTEM, PROGRAM, AND/OR PROCEDURES FOR THE DESCRIBED PROJECT. THE CONTRACTORS  
 IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION  
 SAFETY PROTECTION THAT COMPLIES WITH 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 COVERING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND  
 AROUND TRENCH EXCAVATIONS.

MATCH LINE SHEET 4

MARTIN LINEN SUPPLY COMPANY, A  
 TEXAS CORPORATION VOLUME 15717  
 PAGES 1066-1072 OFFICIAL PUBLIC  
 RECORDS PARCEL 14430



**LEGEND**

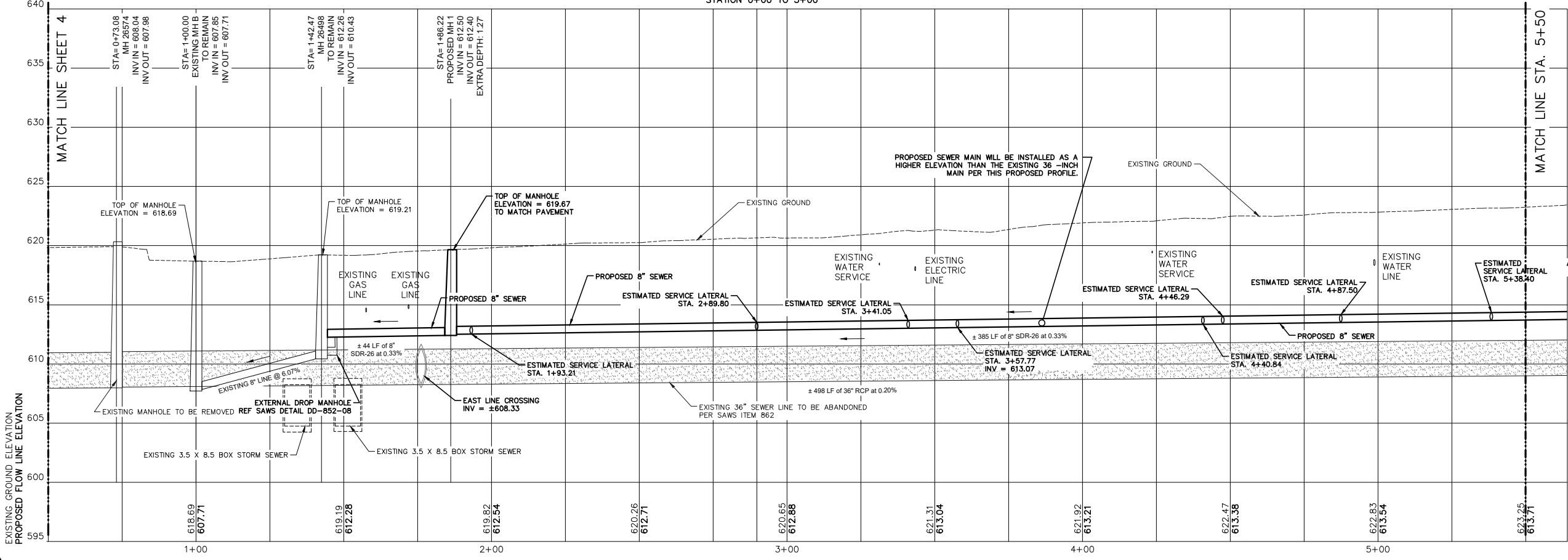
- PROPOSED SANITARY SEWER LINE
- PROPOSED MANHOLE
- PROPOSED SEWER LATERAL AND CLEANOUT
- EXISTING MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING OVERHEAD UTILITIES
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- EXISTING WATER LINE
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- EXISTING GAS LINE
- PROPERTY LINE
- EXISTING UTILITY POLE
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE
- EXISTING GAS VALVE

**Estimated Quantities**

Item No.	Description	Unit	Quantity
103.3	Remove Sidewalks and Driveways	SF	175
203	Tack Coat	GAL	11
205	Hot Mix Asphaltic Pavement - Type B (10" compacted depth)	SY	140
205	Hot Mix Asphaltic Pavement - Type D (2" compacted depth)	SY	200
413	Flowable Fill	CY	220
530	Barricades, Signs, and Traffic Handling	LS	1
550	Trench Excavation Safety Protection	LF	425
848	8" PVC Gravity Sanitary Sewer Pipe (DR 26-2241, 160 PSI), (All Depths)	LF	415
849	Sanitary Sewer Acceptance Testing	LF	415
852	Sanitary Sewer Manhole (0'-6")	EA	1
852	External Drop Manhole	LS	1
852	Extra Depth Manholes (Greater than 6')	VF	1.27
854	Sanitary Sewer Laterals, (SDR 26, ASTM 2241, 160 PSI)	LF	235
854	Two-Way Sanitary Sewer Clean-Out	EA	7
860	Vertical Stacks	VF	4
862	Abandonment of Sanitary Sewer Main	LF	410
862	Abandonment of Sanitary Sewer Manhole	EA	0
866	Sewer Main Pre-Television Inspection 36" Main	LF	410
866	Sewer Main Post-Television Inspection 8" Main	LF	415

**SEWER LINE A**

STATION 0+00 TO 5+00



HORIZONTAL SCALE 1" = 40'  
 0 20 40  
 0 5 10  
 VERTICAL SCALE 1" = 10'

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 P.O. BOX 2203 BOERNE, TX. 78006

STATE OF TEXAS  
 JAMES P. MCNANEY  
 108763  
 LICENSED PROFESSIONAL ENGINEER  
 8/24/2020

**Addendum 1**

No.	REVISION	DRAWN	APPROVED	DATE
				8/25/2020

**REVISIONS**

ROOSEVELT AVE  
 GROVE AVE. TO LOWELL ST.  
 SANITARY SEWER PLAN  
 AND PROFILE LINE A  
 BEGIN TO STA 5+50

DEVELOPER: [Signature]  
 CONT: BUDGET PROJ.  
 SUBMITTED [Signature]  
 APPROVED [Signature]  
 MAP NO. [Blank]  
 SECT. NO. [Blank]  
 DR. [Blank] CK. [Blank] JOB NO. 101010 SHEET 5 OF 7

### TRENCH EXCAVATION SAFETY PROTECTION

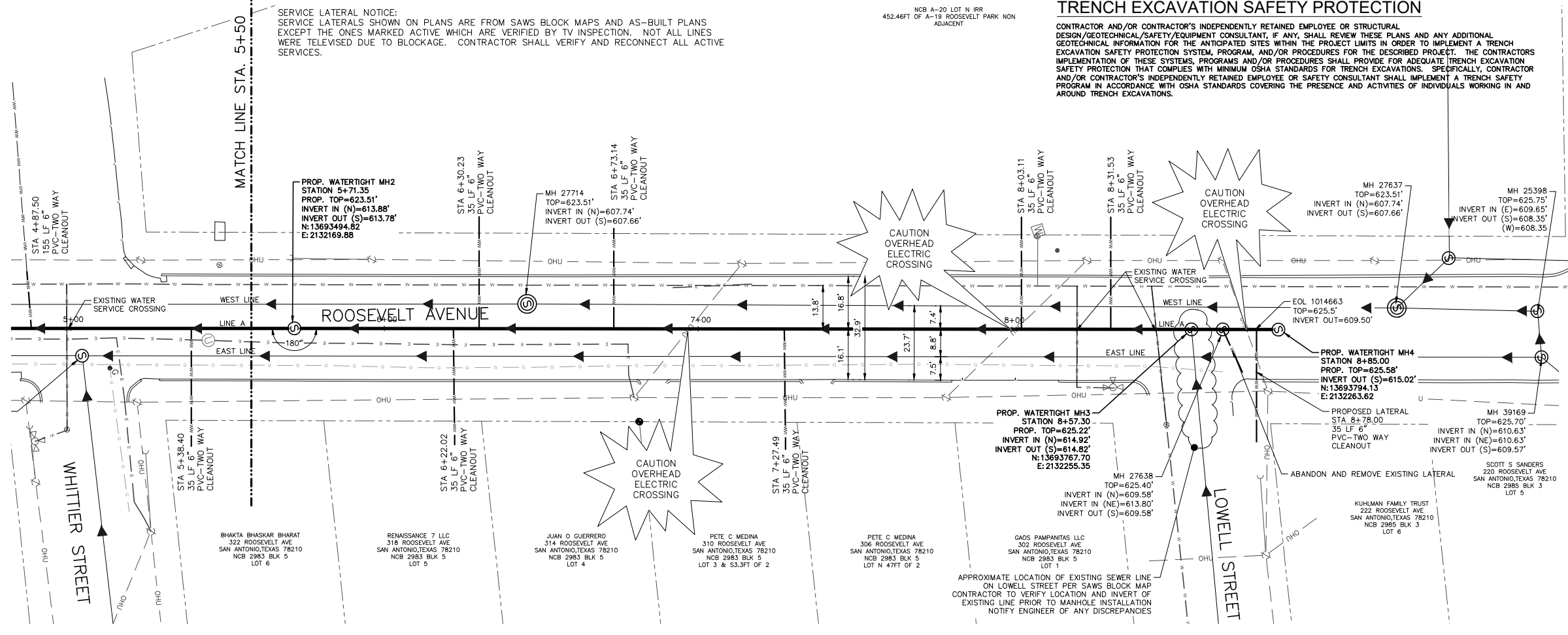
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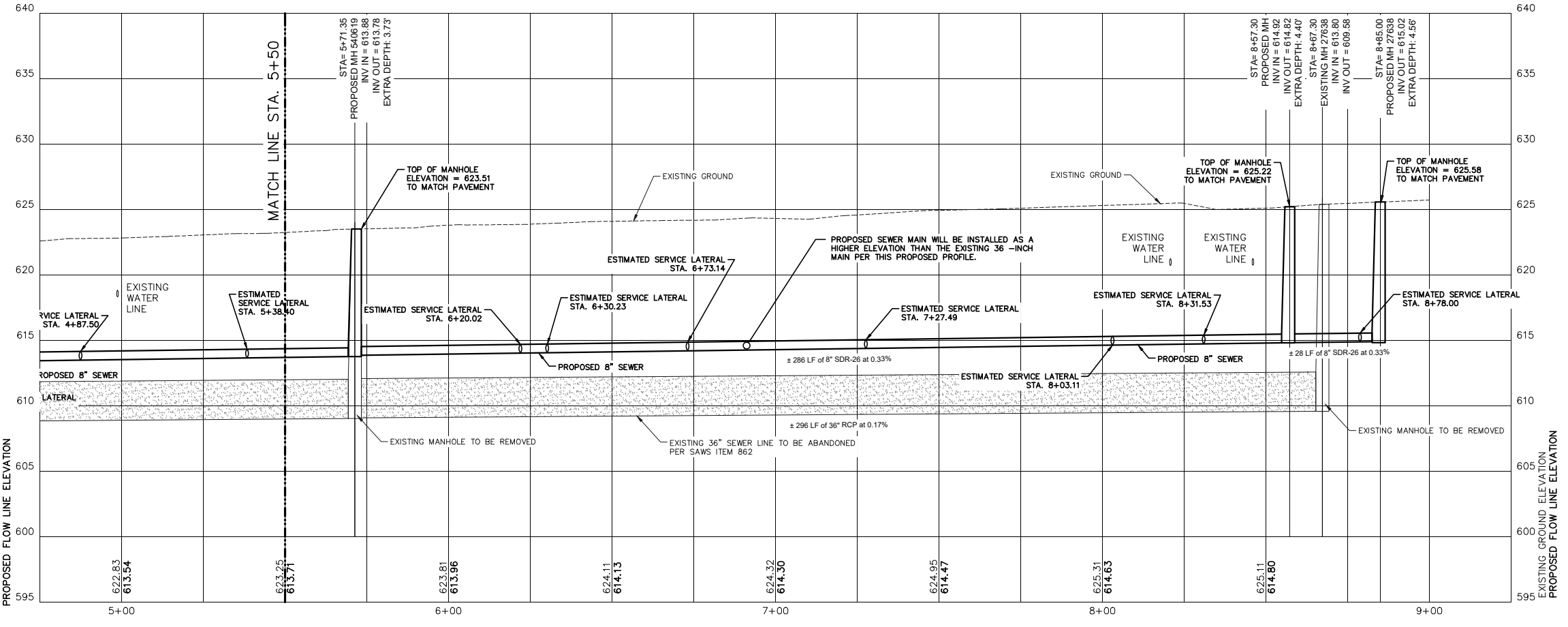
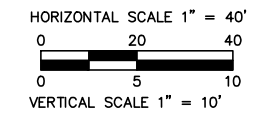
Estimated Quantities			
Item No.	Description	Unit	Quantity
103.3	Remove Sidewalks and Driveways	SF	200
203	Tack Coat	GAL	8
205	Hot Mix Asphaltic Pavement - Type B (10" compacted depth)	SY	110
205	Hot Mix Asphaltic Pavement - Type D (2" compacted depth)	SY	140
413	Flowable Fill	CY	190
530	Barricades, Signs, and Traffic Handling	LS	1
550	Trench Excavation Safety Protection	LF	340
848	8" PVC Gravity Sanitary Sewer Pipe (DR 26-2241, 160 PSI), (All Depths)	LF	330
849	Sanitary Sewer Acceptance Testing	LF	330
852	Sanitary Sewer Manhole (0'-6")	EA	3
852	External Drop Manhole	LS	0
852	Extra Depth Manholes (Greater than 6')	VF	12.69
854	Sanitary Sewer Laterals, (SDR 26, ASTM 2241, 160 PSI)	LF	245
854	Two-Way Sanitary Sewer Clean-Out	EA	7
860	Vertical Stacks	VF	10.5
862	Abandonment of Sanitary Sewer Main	LF	320
862	Abandonment of Sanitary Sewer Manhole	EA	2
866	Sewer Main Pre-Television Inspection 36" Main	LF	320
866	Sewer Main Post-Television Inspection 8" Main	LF	330

#### LEGEND

- PROPOSED SANITARY SEWER LINE
- PROPOSED MANHOLE
- PROPOSED SEWER LATERAL AND CLEANOUT
- EXISTING MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING OVERHEAD UTILITIES
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- EXISTING GAS LINE
- PROPERTY LINE
- EXISTING UTILITY POLE
- EXISTING UTILITY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING LIGHT POLE
- EXISTING GAS VALVE



**SEWER LINE A**  
STATION 5+00 TO 8+67.30



**CIVIL TECH, PLLC.**  
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Firm No. 13711  
P.O. BOX 2203 BOERNE, TX. 78006

James P. McGarr  
108763  
Lic. No. 108763  
8/24/2020

Addendum 1				8/25/2020
No.	REVISION	DRAWN	APPROVED	DATE

#### REVISIONS

ROOSEVELT AVE  
GROVE AVE. TO LOWELL ST.  
SANITARY SEWER PLAN  
AND PROFILE LINE A  
STA 5+50 TO END LINE A

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

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

MAP NO. \_\_\_\_\_ SHEET  
SECT. NO. \_\_\_\_\_ 6  
DR. \_\_\_\_\_ CK. \_\_\_\_\_ JOB NO. 101010 OF 7

