



**2020 CMOM Package 3 (Applewhite)  
Solicitation Number: CO-00548  
Job No.: 20-4519**

**ADDENDUM 1  
August 12, 2022**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

**RESPONSES TO QUESTIONS**

- 1. Please provide existing flows for the bypass.**  
*Please refer to "Flow Data" note on plan sheets C2.41, C2.42, and C2.43 for existing flows for the bypass.*
- 2. Can you provide how much allowance for CPS Power Pole Bracing.**  
*A \$15,000 allowance has been provided for CPS Power Pole Bracing. Revised bid form is included with this submittal.*
- 3. For the bore pits being on the road and so close to the existing sewer line, can you provide flowable fill backfill bid item. It will be difficult to compact after installation of manhole and with those depths the existing pavement will cave in if you try to compact the bore pits.**  
*Additional flowable fill has been added to the plans and quantities to account for backfilling of the proposed bore pits on sheet C3.04, C3.05, C3.06, C3.07, and C3.08.*
- 4. There is a reference in the specs to 865 Bypass Pumping Large Diameter Sanitary Sewers, but there isn't a line item for this on the bid proposal. Can this be added to the bid proposal for this project?**  
*A line item for 865 Bypass Pumping Small Diameter Sanitary Sewers has been added to the bid proposal. Special Provisions to Technical Specifications has also been revised to reference 865 Bypass Pumping Small Diameter Sanitary Sewers.*
- 5. Is there any additional information on the concrete pavers? The CoSA spec referenced is for concrete sidewalks and it doesn't talk about concrete pavers and there isn't anything in the plans that shows a detail for the pavers.**  
*Concrete pavers to match existing pattern and color as shown in detail C4.01B.*

**CHANGES TO THE SPECIFICATIONS**

- 1. Bid Proposal (Sheets BP-1, BP-2, BP-3) – Remove in its entirety and replace with the attached document.**
  - Added Item No. 413 Flowable Fill, Item No. 854 Sanitary Sewer Lateral, Item No. 854.1 Two-way Sanitary Sewer Cleanout, and Item No. 865 Bypass Pumping (Small Diameter Sewer Mains) quantities, revised Item no. 205.2 and 205.4 Hot Mix Asphaltic Pavement, Item No. 203.1 Tack Coat, Item No. 208.1 Salvaging, Hauling and Stockpiling Reclaimable Asphaltic Pavement and Item No. 1109.3.3 Open Cut Lateral Reconnection quantities, added allowance for Item No. SC-7 CPS Pole Brace/Guy Wire Relocation
- 2. General Wage Decision for Building Type – Remove in its entirety and replace with the attached document.**
  - Replaced General Wage Decision for Building Type: Number TX20220231 07/08/2022 with revised version TX20220231 08/05/2022

3. Special Provisions to Technical Specifications Section A – Remove in its entirety and replace with the attached document.
  - Replaced “Revision to Standard Specification Item No. 865 Bypass Pumping Large Diameter Sanitary Sewers” with revised “Revision to Standard Specification Item No. 865 Bypass Pumping Small Diameter Sanitary Sewers”

<b>CHANGES TO THE PLANS</b>
-----------------------------

1. Sheet C1.02: Overall Quantity Sheet – Remove in its entirety and replace with the attached document.
  - Added Flowable Fill, Sanitary Sewer Lateral, Two-way Sanitary Sewer Cleanout and Bypass Pumping (Small Diameter Sanitary Sewer Mains) quantities, revised Hot Mix Asphaltic Pavement, Tack Coat, Salvaging, Hauling and Stockpiling Reclaimable Asphaltic Pavement, and Open Cut Lateral Reconnection quantities
2. Sheet C2.10 — Survey Control Sheet – Remove in its entirety and replace with the attached document.
  - Replaced with signed and sealed survey control sheet from Vickrey & Associates
3. Sheet C2.41 –Suggested Bypass Layout – Phase I – Remove in its entirety and replace with the attached document.
  - Added Bypass Pumping (Small Diameter Sanitary Sewers) quantity
4. Sheet C3.04: Line A – Plan and Profile Sheet Sta 14+00 to Sta 21+00 – Remove in its entirety and replace with the attached document.
  - Added Flowable Fill quantity and note, revised concrete paver callout
5. Sheet C3.05: Line A – Plan and Profile Sheet Sta 21+00 to Sta 25+00 – Remove in its entirety and replace with the attached document.
  - Added Flowable Fill quantity and note
6. Sheet C3.06: Line A – Plan and Profile Sheet Sta 25+00 to Sta 29+00 – Remove in its entirety and replace with the attached document.
  - Added Flowable Fill quantity and note, removed Open Cut Lateral Reconnection Quantity, added Two-way Sanitary Sewer Cleanout and Sanitary Sewer Lateral 6” quantity, revised concrete paver callout
7. Sheet C3.07: Line A – Plan and Profile Sheet Sta 29+00 to Sta 33+00 – Remove in its entirety and replace with the attached document.
  - Added Flowable Fill quantity and note, added Two-way Sanitary Sewer Cleanout, Sanitary Sewer Lateral 6” and Sanitary Sewer Lateral 8” quantities, removed Open Cut Lateral Reconnection quantity, revised Hot Mix Asphaltic Pavement – Type D, Tack Coat, and Salvaging, Hauling and Stockpiling Reclaimable Asphaltic Pavement quantities
8. Sheet C3.08: Line A – Plan and Profile Sheet Sta 33+00 to Sta 34+58.99 – Remove in its entirety and replace with the attached document.
  - Added Flowable Fill quantity and note, revised concrete paver callout
9. Sheet C4.01: Detail Sheet – Remove in its entirety and replace with the attached document.
  - Added Detail C4.01B: Existing Concrete Pavers

<b>CLARIFICATION</b>
----------------------

1. The attached Bid Proposal shall be used when submitting bid (Attachment No. 1).
2. The estimated cost for this project has changed to \$5,577,229.62, which is now reflected on SAWS website.

**END OF ADDENDUM**

This Addendum, including these three (3) pages, is twenty-three (23) pages with attachments in its entirety.

Attachments:

Bid Proposal Sheets BP-1, BP-2, BP-3 (3 pages)

General Wage Decision for Building Type (7 pages)

Revision to Standard Specification Item No. 865 Bypass Pumping Small Diameter Sanitary Sewers (1 page)

Sheet C1.02: Overall Quantity Sheet (1 page)

Sheet 2.10: Suggested Bypass Layout – Phase I (1 page)

Sheet C2.41: Survey Control Sheet (1 page)

Sheet C3.04: Line A – Plan and Profile Sheet Sta 14+00 to Sta 21+00 (1 page)

Sheet C3.05: Line A – Plan and Profile Sheet Sta 21+00 to Sta 25+00 (1 page)

Sheet C3.06: Line A – Plan and Profile Sheet Sta 25+00 to Sta 29+00 (1 page)

Sheet C3.07: Line A – Plan and Profile Sheet Sta 29+00 to Sta 33+00 (1 page)

Sheet C3.08: Line A – Plan and Profile Sheet Sta 33+00 to Sta 34+58.99 (1 page)

Sheet C4.01: Detail Sheet (1 page)



Project Name: CMOM Package 3 (Applewhite)  
Solicitation No. : CO-00548  
Job No.: 20-4519

## BID PROPOSAL

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

### THE SAN ANTONIO WATER SYSTEM:

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

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

\_\_\_\_\_  
BIDDER'S SIGNATURE & TITLE

\_\_\_\_\_  
FIRM'S NAME (TYPE OR PRINT)

\_\_\_\_\_  
FIRM'S ADDRESS

\_\_\_\_\_  
FIRM'S PHONE NO. /FAX NO.

\_\_\_\_\_  
FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following: **Addendum No(s)**. \_\_\_\_\_

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

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **432** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

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

### **Statement on President's Executive Orders**

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

### **Texas Government Code Chapter 2274 Verifications**

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

Line No.	Item No.	Description	Unit	Quantity	Unit Price	Total Price
1	103.1	Remove Concrete Curb (CoSA Spec)	LF	393	\$	\$
2	103.3	Remove Concrete Sidewalks & Driveways (CoSA Spec)	SF	2,385	\$	\$
3	108.1	Lime Treated Subgrade (6" Compacted Depth)	SY	187	\$	\$
4	203.1	Tack Coat	GAL	279	\$	\$
5	205.2	Hot Mix Asphaltic Pavement - Type B (10" Thickness)	SY	187	\$	\$
6	205.4	Hot Mix Asphaltic Pavement - Type D (2" Thickness)	SY	2,772	\$	\$
7	208.1	Salvaging, Hauling and Stockpiling Reclaimable Asphaltic Pavement (2" Pavement Thickness)	SY	2,772	\$	\$
8	413	Flowable Fill	CY	2,818	\$	\$
9	500.1	Concrete Curb	LF	393	\$	\$
10	502.1	Remove and Replace Concrete Pavers (Traffic Island)	SY	257	\$	\$
11	503.2	Portland Cement Concrete Driveway	SY	265	\$	\$
12	508.1	Remove and Replace Barbed Wire Fence	LF	115	\$	\$
13	520	Revegetation	LS	1	\$	\$
14	525.1	Concrete Traffic Barrier (Portable)	LF	720	\$	\$
15	537.9	Pavement Marker (Type II-C-R)	EA	109	\$	\$
16	538.1	4 Inch Wide Yellow Line (SLD) (Temporary)	LF	4,928	\$	\$
17	539.1	4 Inch Wide Yellow Line (COSA Spec)	LF	644	\$	\$
18	539.2	4 Inch Wide White Line (COSA Spec)	LF	2,001	\$	\$
19	540	SWPPP	LS	1	\$	\$
20	550	Trench Excavation Protection	LF	1,771	\$	\$
21	849	Testing and Acceptance of FRP (SN 72) Pipes (All Depths)	LF	3,333	\$	\$
22	852	4' Watertight Tee-base Fiberglass Manhole	EA	5	\$	\$
23	852	4' Watertight Tee-base Drop Fiberglass Manhole	EA	2	\$	\$
24	852	4' Watertight Tee-Base Fiberglass Manhole with Concrete Toe Down	EA	4	\$	\$
25	852.8	Remove and Replace 4' Dia. Sanitary Sewer Manhole	EA	2	\$	\$
26	852A	Extra Depth Manhole	VF	220	\$	\$
27	852B	Testing and Acceptance of Sanitary Sewer Manholes	EA	13	\$	\$
28	854	Sanitary Sewer Lateral 6"	LF	106	\$	\$
29	854	Sanitary Sewer Lateral 8"	LF	52	\$	\$

30	854.1	Two-way Sanitary Sewer Cleanout	EA	3	\$	\$
31	856	Pipe-Jacked Tunnel	LF	1,562	\$	\$
32	856.1	Carrier Pipe in Tunnel 20" FRP (SN 72)	LF	1,562	\$	\$
33	856.2	42" Steel Casing Pipe (Min. 0.5" Thickness)	LF	1,562	\$	\$
34	857	20-inch FRP (ASTM D-3262) (SN 72) (Open Cut 15'-20')	LF	1,270	\$	\$
35	857	20-inch FRP (ASTM D-3262) (SN 72) (Open Cut 20'-25')	LF	395	\$	\$
36	857	20-inch FRP (ASTM D-3262) (SN 72) (Open Cut 25'-30')	LF	106	\$	\$
37	862	Abandonment of Sanitary Sewer Mains	LF	3,216	\$	\$
38	862	Abandonment of Sanitary Sewer Manholes	EA	7	\$	\$
39	865	Bypass Pumping (Small Diameter Sanitary Sewer Mains)	LS	1	\$	\$
40	866	Sewer Main TV Inspection, Pre (18"-24")	LF	3,216	\$	\$
41	866	Sewer Main TV Inspection, Post (18"-24")	LF	3,333	\$	\$
42	1109.3.3	Open Cut Lateral Reconnection	EA	2	\$	\$
43	3000	Removal, Transportation, and Disposal of Various Sizes of AC Pipe	LF	39	\$	\$
44	SC-7	CPS Pole Brace/Guy Wire Relocation (Per Pole)	ALW	1	\$15,000	\$15,000
SUBTOTAL (ITEMS 1-44)					\$	

45	100	Mobilization, Max 10% of Line Items 1-44	LS	1	\$	
46	101	Preparation of Right-of-Way. Max 5% of Line Items 1-44	LS	1	\$	
47	102	Intermediate Demobilization and Remobilization	EA	1	\$	

Mobilization lump sum bid shall be limited to a maximum 10% of the Line Items "1-44" Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Item "1-44" Sub-total Base Bid amount. The Line Items "1-44" 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.**

<b>TOTAL BID PRICE          (TO INCLUDE LINE ITEMS 1 - 44 AND 45 - 47)</b>	\$
--	----

"General Decision Number: TX20220231 08/05/2022

Superseded General Decision Number: TX20210231

State: Texas

Construction Type: Building

County: Bexar County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	02/18/2022

2	02/25/2022
3	04/15/2022
4	06/17/2022
5	07/08/2022
6	07/29/2022
7	08/05/2022

ASBE0087-014 06/06/2022

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation)....	\$ 28.10	8.29

BOIL0074-003 01/01/2021

	Rates	Fringes
BOILERMAKER.....	\$ 29.47	24.10

ELEC0060-003 06/01/2022

	Rates	Fringes
ELECTRICIAN (Communication Technician Only).....	\$ 31.95	15%+6.41

ELEC0060-004 06/01/2022

	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring).....	\$ 31.95	15%+6.41

ELEV0081-001 01/01/2022

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 44.80	36.885+a+b

FOOTNOTES:

A. 6% under 5 years based on regular hourly rate for all hours worked. 8% over 5 years based on regular hourly rate for all hours worked.

B. Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Friday after Thanksgiving Day; Christmas Day; and Veterans Day.

ENGI0450-002 04/01/2014

	Rates	Fringes
POWER EQUIPMENT OPERATOR Cranes.....	\$ 34.85	9.85

IRON0066-013 06/01/2022

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 25.25	7.28

\* IRON0084-011 06/01/2022



	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 26.76	7.88

-----  
 PLUM0142-009 07/01/2020

	Rates	Fringes
HVAC MECHANIC (HVAC Electrical Temperature Control Installation Only).....	\$ 30.25	13.36
HVAC MECHANIC (HVAC Unit Installation Only).....	\$ 30.25	13.36
PIPEFITTER (Including HVAC Pipe Installation).....	\$ 31.90	13.76
Including HVAC Pipe Installation		
PLUMBER (Excludes HVAC Pipe Installation).....	\$ 31.90	13.76
Excludes HVAC Pipe Installation		

-----  
 SFTX0669-002 04/01/2021

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 31.68	22.50

-----  
 SHEE0067-004 04/01/2022

	Rates	Fringes
Sheet metal worker Excludes HVAC Duct Installation.....	\$ 27.89	16.25
HVAC Duct Installation Only.	\$ 27.89	16.25

-----  
 \* SUTX2014-006 07/21/2014

	Rates	Fringes
BRICKLAYER.....	\$ 22.15	0.00
CARPENTER (Acoustical Ceiling Installation Only).....	\$ 17.83	0.00
CARPENTER (Form Work Only).....	\$ 13.63 **	0.00
CARPENTER, Excludes Acoustical Ceiling Installation, Drywall Hanging, Form Work, and Metal Stud Installation.....	\$ 16.86	4.17
CAULKER.....	\$ 15.00	0.00
CEMENT MASON/CONCRETE FINISHER...	\$ 22.27	5.30
DRYWALL FINISHER/TAPER.....	\$ 13.81 **	0.00
DRYWALL HANGER AND METAL STUD INSTALLER.....	\$ 15.18	0.00
ELECTRICIAN (Low Voltage Wiring Only).....	\$ 20.39	3.04

IRONWORKER, REINFORCING.....	\$ 12.27 **	0.00
LABORER: Common or General.....	\$ 10.75 **	0.00
LABORER: Mason Tender - Brick...	\$ 11.88 **	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 12.00 **	0.00
LABORER: Pipelayer.....	\$ 11.00 **	0.00
LABORER: Roof Tearoff.....	\$ 11.28 **	0.00
LABORER: Landscape and Irrigation.....	\$ 8.00 **	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 15.98	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 14.00 **	0.00
OPERATOR: Bulldozer.....	\$ 14.00 **	0.00
OPERATOR: Drill.....	\$ 14.50 **	0.00
OPERATOR: Forklift.....	\$ 12.50 **	0.00
OPERATOR: Grader/Blade.....	\$ 23.00	5.07
OPERATOR: Loader.....	\$ 12.79 **	0.00
OPERATOR: Mechanic.....	\$ 18.75	5.12
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 16.03	0.00
OPERATOR: Roller.....	\$ 12.00 **	0.00
PAINTER (Brush, Roller and Spray), Excludes Drywall Finishing/Taping.....	\$ 13.07 **	0.00
ROOFER.....	\$ 12.00 **	0.00
TILE FINISHER.....	\$ 11.32 **	0.00
TILE SETTER.....	\$ 14.94 **	0.00
TRUCK DRIVER: Dump Truck.....	\$ 12.39 **	1.18
TRUCK DRIVER: Flatbed Truck.....	\$ 19.65	8.57
TRUCK DRIVER: Semi-Trailer Truck.....	\$ 12.50 **	0.00
TRUCK DRIVER: Water Truck.....	\$ 12.00 **	4.11

-----  
WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

\*\* Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$15.00) or 13658 (\$11.25). Please see the Note at the top of the wage determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

-----

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that

no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

---

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISIO"

# Special Provisions to Technical Specifications

## A. Revision to Standard Specification Item No. 865 Bypass Pumping Small Diameter Sanitary Sewers

**865.7 MEASUREMENT AND 865.8 PAYMENT: DELETE** these sections in their entirety and **REPLACE** with the following:

*Measurement for the work specified herein will be by Sewer Line Segment as outlined on plans and as required by the contract documents. Payment of the "Lump Sum (LS)" bid for Bypass Pumping shall be in accordance with the following: Any effort required for multiple set-ups and operations shall be included in the Lump Sum price.*

- 1. When initial set-up and operation of the bypass pumping system begins (including a successful test), 20% of the "Lump Sum" cost will be paid as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.*
- 2. 60% of the "Lump Sum" cost will be paid over equal monthly payments (estimated from the BPP or other documentation approved by the Inspector) during the course of the bypass pumping operation as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.*
- 3. 20% of the remaining "Lump Sum" cost will be paid upon an acceptable removal and/or disassembly of all components of the BPP, including site cleanup as applicable to the bypass system used; stationary bypass pumping or pump and haul bypass systems.*
- 4. Measurement of the work for pipe plugs shall be incidental to the work and will not have a separate pay item.*

*Any damages, repairs, etc., to private or public property will not be considered for any additional payment, except for the items called out specifically in the plans.*

# QUANTITY TABLE

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
103.1	Remove Concrete Curb (CoSA Spec)	LF	393
103.3	Remove Concrete Sidewalks & Driveways (CoSA Spec)	SF	2385
108.1	Lime Treated Subgrade (6" Compacted Depth)	SY	187
203.1	Tack Coat	GAL	279
205.2	Hot Mix Asphaltic Pavement - Type B (10" Thickness)	SY	187
205.4	Hot Mix Asphaltic Pavement - Type D (2" Thickness)	SY	2772
208.1	Salvaging, Hauling and Stockpiling Reclaimable Asphaltic Pavement (2" Pavement Thickness)	SY	2772
413	Flowable Fill	CY	2818
500.1	Concrete Curb	LF	393
502.1	Remove and Replace Concrete Pavers (Traffic Island)	SY	257
503.2	Portland Cement Concrete Driveway	SY	265
508.1	Remove and Replace Barbed Wire Fence	LF	115
520	Revegetation	LS	1
525.1	Concrete Traffic Barrier (Portable)	LF	720
537.9	Pavement Marker (Type II-C-R)	EA	109
538.1	4 Inch Wide Yellow Line (SLD) (Temporary)	LF	4928
539.1	4 Inch Wide Yellow Line (COSA Spec)	LF	644
539.2	4 Inch Wide White Line (COSA Spec)	LF	2001
540	SWPPP	LS	1
550	Trench Excavation Protection	LF	1771
849	Testing and Acceptance of FRP (SN 72) Pipes (All Depths)	LF	3333
852	4' Watertight Tee-base Fiberglass Manhole	EA	5
852	4' Watertight Tee-base Drop Fiberglass Manhole	EA	2
852	4' Watertight Tee-Base Fiberglass Manhole with Concrete Toe Down	EA	4
852.8	Remove and Replace 4' Dia. Sanitary Sewer Manhole	EA	2
852A	Extra Depth Manhole	VF	220
852B	Testing and Acceptance of Sanitary Sewer Manholes	EA	13
854	Sanitary Sewer Lateral 6"	LF	106
854	Sanitary Sewer Lateral 8"	LF	52
854.1	Two-way Sanitary Sewer Cleanout	EA	3
856	Pipe-Jacked Tunnel	LF	1562
856.1	Carrier Pipe in Tunnel 20" FRP (SN 72)	LF	1562
856.2	42" Steel Casing Pipe (Min. 0.5" Thickness)	LF	1562
857	20-inch FRP (ASTM D-3262) (SN 72) (Open Cut 15'-20')	LF	1270
857	20-inch FRP (ASTM D-3262) (SN 72) (Open Cut 20'-25')	LF	395
857	20-inch FRP (ASTM D-3262) (SN 72) (Open Cut 25'-30')	LF	106



862	Abandonment of Sanitary Sewer Mains	LF	3216
862	Abandonment of Sanitary Sewer Manholes	EA	7
865	Bypass Pumping (Small Diameter Sanitary Sewer Mains)	LS	1
866	Sewer Main TV Inspection, Pre (18"-24")	LF	3216
866	Sewer Main TV Inspection, Post (18"-24")	LF	3333
1109.3.3	Open Cut Lateral Reconnection	EA	2
3000	Removal, Transportation, and Disposal of Various Sizes of AC Pipe	LF	39
SC-7	CPS Pole Brace/Guy Wire Relocation (Per Pole)	ALW	1
100	Mobilization	LS	1
101	Preparation of Right of Way	LS	1
102	Intermediate Demobilization and Remobilization	EA	1



SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

1	ADDENDUM 1			8/12/22
NO.	REVISION	DRAWN	APPROVED	DATE

REVISIONS

**2020 CMOM PACKAGE 3**

**(APPLEWHITE)**

**OVERALL QUANTITY SHEET**

DEVELOPER: SAN ANTONIO WATER SYSTEM

CONT. \_\_\_\_\_ BUDGET PROJ. \_\_\_\_\_

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

MAP NO. 142-526,142-528,142-530,144-528,144-530 SHEET

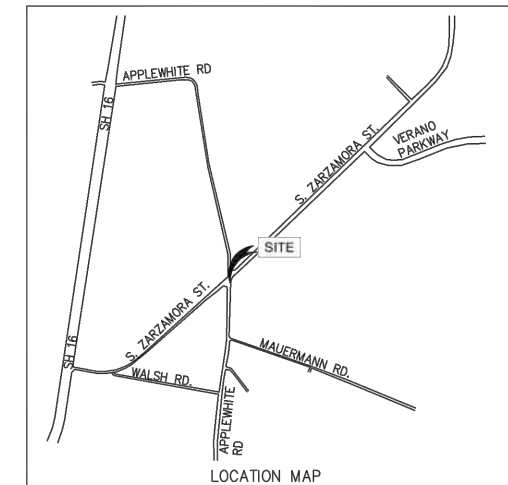
SECT. NO. \_\_\_\_\_ SAWS NO. 20-4519 C1.02

DR. BS DS. CD CK. MP

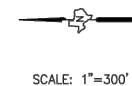
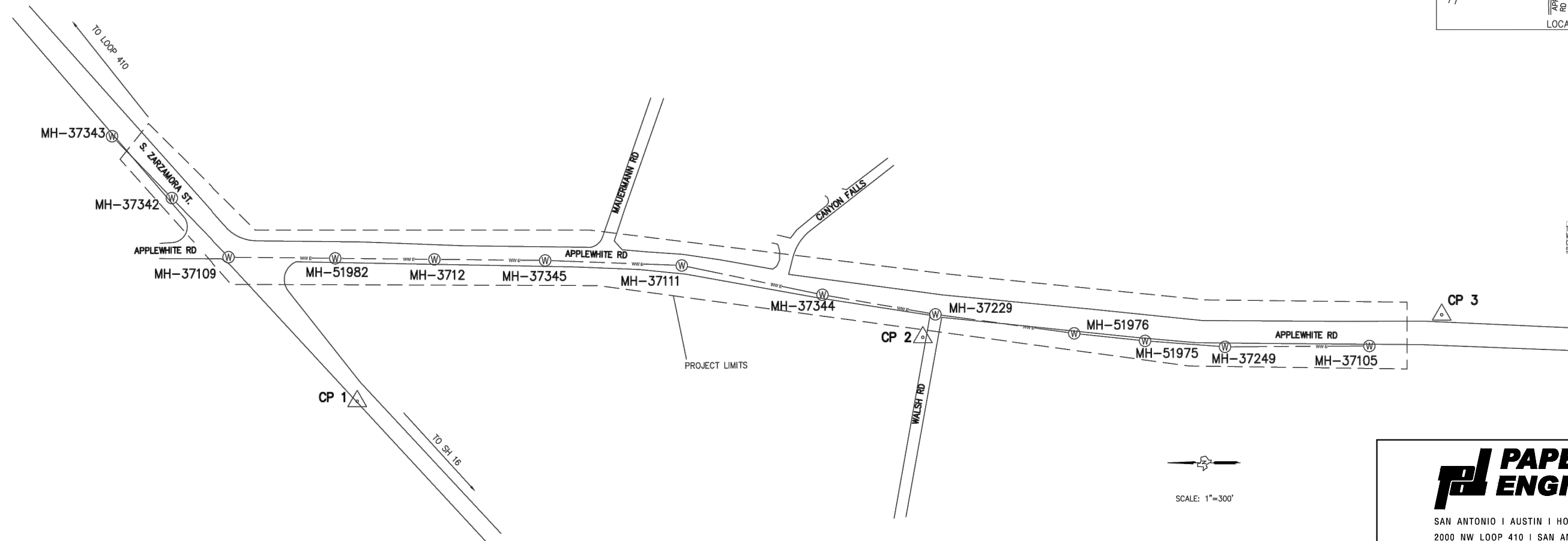
Date: Aug 11, 2022, 3:46pm User ID: cdilly  
 File: P:\12241\00\Design\Civil\SSNT-1224100.dwg

HORIZONTAL AND VERTICAL CONTROL (GRID)				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP1	13,655,573.97'	2,112,256.18'	582.94'	1/2" IRON ROD WITH ORANGE CAP STAMPED VICKREY CONTROL
CP2	13,653,619.88'	2,112,477.12'	577.97'	1/2" IRON ROD WITH ORANGE CAP STAMPED VICKREY CONTROL
CP3	13,651,823.61'	2,112,555.08'	570.85'	1/2" IRON ROD WITH ORANGE CAP STAMPED VICKREY CONTROL

HORIZONTAL AND VERTICAL CONTROL (SURFACE)				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP1	13,657,895.41'	2,112,615.26'	582.94'	1/2" IRON ROD WITH ORANGE CAP STAMPED VICKREY CONTROL
CP2	13,655,941.00'	2,112,836.24'	577.97'	1/2" IRON ROD WITH ORANGE CAP STAMPED VICKREY CONTROL
CP3	13,654,144.42'	2,112,914.22'	570.85'	1/2" IRON ROD WITH ORANGE CAP STAMPED VICKREY CONTROL



THE CONTROL POINTS SHOWN HEREIN WERE DETERMINED BY A SURVEY MADE ON THE GROUND AND UNDER MY SUPERVISION.



SCALE: 1"=300'

- LEGEND**
- HORIZONTAL AND VERTICAL CONTROL POINT
  - WASTEWATER MANHOLE
  - SANITARY SEWER LINE

- NOTES:**
- BEARINGS AND COORDINATES ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT, EPOCH 2010.00.
  - HORIZONTAL CONTROL VALUES ARE BASED ON AVERAGED REDUNDANT RTN OBSERVATIONS.
  - COORDINATES AND DISTANCES ARE IN U.S. SURVEY FEET, DISPLAYED IN SURFACE AND GRID VALUES. A SURFACE ADJUSTMENT FACTOR OF 1.00017 WAS USED.
  - ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD88), AND WERE ESTABLISHED USING DIGITAL DIFFERENTIAL LEVELING HOLDING CP 1.

# PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

1	ADDENDUM 1			8/12/22
NO.	REVISION	DRAWN	APPROVED	DATE

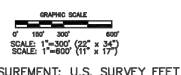
**REVISIONS**

**2020 CMOM PACKAGE 3  
(APPLEWHITE)**

**SURVEY CONTROL SHEET  
S ZARZAMORA ST & APPLEWHITE RD**

DEVELOPER: SAN ANTONIO WATER SYSTEM	
CONT.	BUDGET PROJ.
SUBMITTED	
APPROVED	
MAP NO. 142-526,142-528,142-530,144-528,144-530	SHEET C2.10
SECT. NO.	
DR. BS DS. CD	SAWS NO. 20-4519
CK. MP	

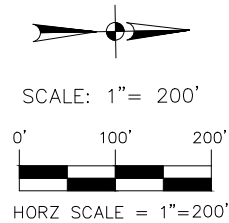
Date: Aug 02, 2022, 3:49pm User: cdilly File: F:\22\41\00\Design\Civil\SP-1224100.dwg



UNIT OF MEASUREMENT: U.S. SURVEY FEET

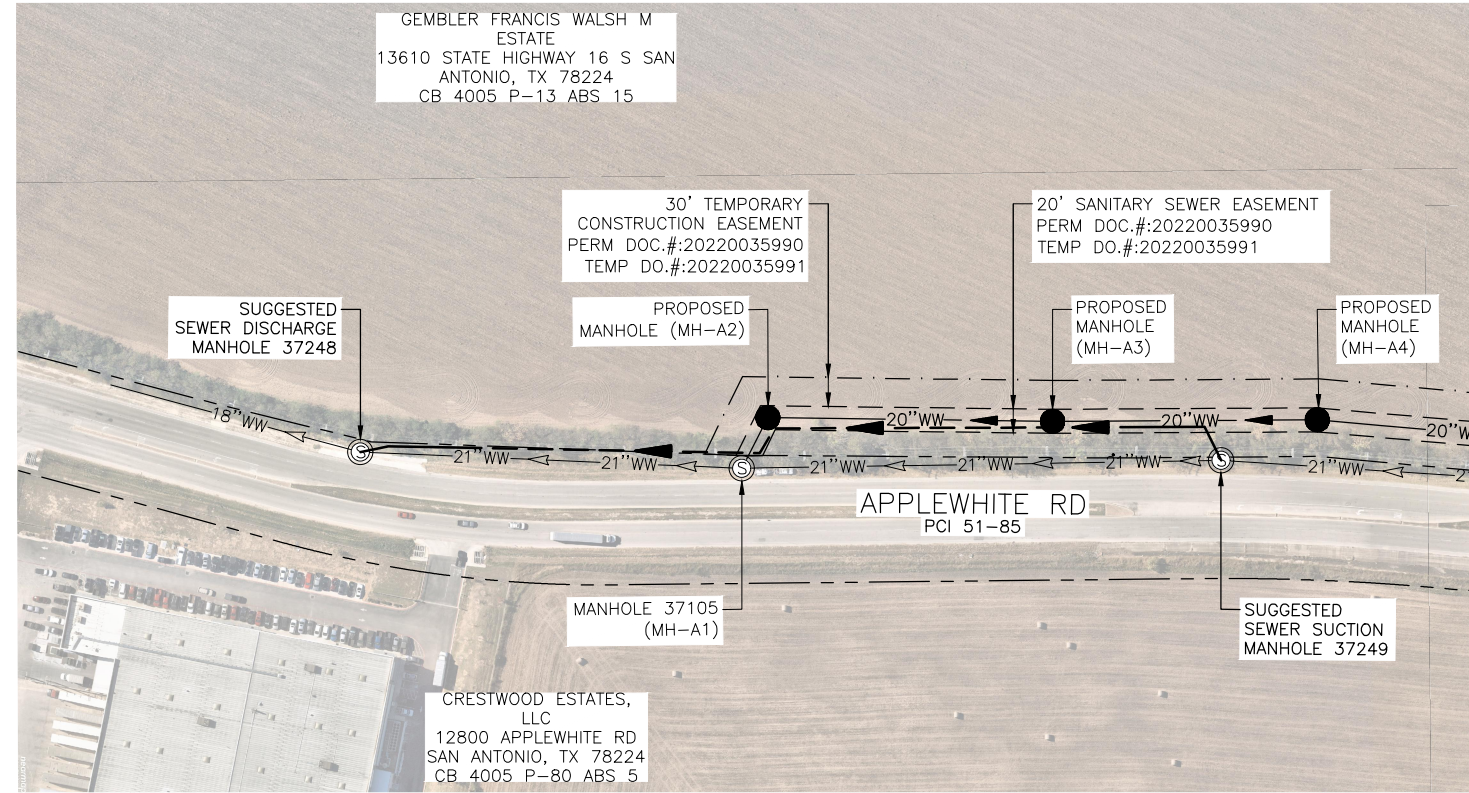
**VICKREY & ASSOCIATES, LLC.**  
 CONSULTING ENGINEERS  
 CIVIL • ENVIRONMENTAL • SURVEY  
 12340 Country Parkway  
 San Antonio, TX 78216  
 Telephone: (210) 349-3271  
 TBPELS #10004100 ©2022



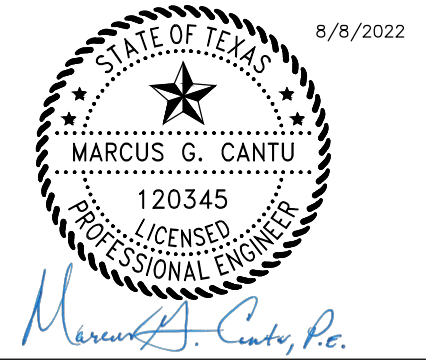


**DRAWING LEGEND**

- EXISTING MANHOLE
- EXISTING SEWER 21" WW
- PROPOSED SEWER 20" WW
- PROPOSED SEWER BYPASS
- EXISTING ROW
- 100 YEAR FLOOD PLAIN
- PROPOSED MANHOLE



**BYPASS PHASE 1**



8/8/2022

**MENDEZ ENGINEERING**  
 Registration # F-14070  
 12950 Country Parkway STE 120, San Antonio, Texas 78216  
 Office: 210-802-0808 www.MendezEngineering.com

**PAPE-DAWSON ENGINEERS**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TDP&E FIRM REGISTRATION #470 | TDP&S FIRM REGISTRATION #10028800

NO.	REVISION	DRAWN	APPROVED	DATE

REVISIONS

**2020 CMOM PACKAGE 3 (APPLEWHITE)**

**SUGGESTED BYPASS LAYOUT - PHASE 1**

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

CONT. \_\_\_\_\_ BUDGET PROJ. \_\_\_\_\_

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

MAP NO. 144-532 \_\_\_\_\_ SHEET \_\_\_\_\_

SECT. NO. \_\_\_\_\_ SAWS NO. 20-4519 \_\_\_\_\_

DR. SVM, LG \_\_\_\_\_ CK. JC \_\_\_\_\_

ITEM	DESCRIPTION	UNIT	QTY
865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER MAIN)	LS	1

**NOTES:**

1. THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER(S) TO MINIMIZE WATER USAGE DURING THE HOURS OF OPERATION FOR SEWER REHABILITATION. IN THE EVENT OF MINIMIZING WATER USAGE IS NOT FEASIBLE. CONTRACTOR SHALL PUMP AND HAUL AS NEEDED TO ELIMINATE ANY IMPACTS TO RESIDENTS.
2. THIS BYPASS LAYOUT PLAN IS PROVIDED ONLY AS REFERENCE TO THE CONTRACTOR TO AID IN BIDDING AND PROJECT PLANNING. THE BYPASS LAYOUT PLAN DOES NOT RELIEVE THE CONTRACTOR OF HIS DUTY TO SUBMIT A BYPASS PUMPING PLAN. STAGING AREA MAP AND ALL OTHER SUBMITTAL REQUIREMENTS SHALL BE IN CONFORMANCE AS OUTLINED IN THE SAWS STANDARD SPECIFICATION ITEM 865.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING CURBS, STREETS, DRIVEWAYS, AND STORM MANHOLE STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION AS A RESULT OF DAMAGES DONE BY THE PROJECT'S CONSTRUCTION. (NSPI).
4. THE CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS THROUGH ALL DRIVEWAYS AND ROADWAYS.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SEWER SERVICE TO EXISTING SEWER MAINS AND SERVICES AT ALL TIMES.
6. STAGING AREAS ARE SUGGESTED AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE APPROPRIATE LOCATION. STAGING AREAS SHALL BE LOCATED IN AREAS THAT DO NOT ELIMINATE DRIVEWAY ACCESS FOR RESIDENTIAL OR COMMERCIAL PROPERTIES.
7. CONTRACTOR TO REFER TO TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION.

**BYPASS PHASING SEQUENCE NOTES:**

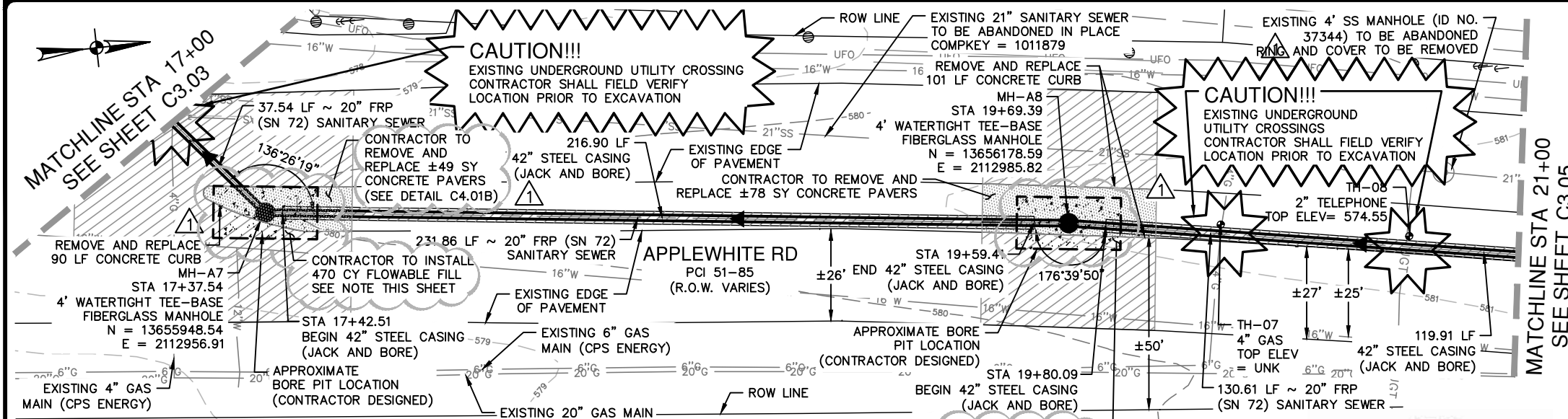
- BYPASS PHASE 1**
1. BYPASS PHASING IS CONTINGENT ON TRAFFIC CONTROL SHEETS, (SEE SHEET TC-3 FOR ADDITIONAL INFORMATION).
  2. CONTRACTOR SHALL TEST PROPOSED SANITARY SEWER MAINS AND MANHOLES IN ACCORDANCE WITH SAWS SPECIFICATION ITEM NO. 848 SANITARY SEWER AND ITEM NO. 852 SANITARY SEWER MANHOLES PRIOR FOR BEING USED FOR BYPASS OPERATIONS.
  3. BYPASS OPERATION PHASE 1 SHALL BE EXECUTED DURING THE REMOVAL AND REPLACEMENT OF EXISTING SANITARY SEWER MANHOLE MH-37105 AND DURING THE PROPOSED TIE-IN CONNECTION OF THE PROPOSED 20-INCH SANITARY SEWER MAIN TO NEW SSMH 37105 PRIOR TO PROCEEDING WITH BYPASS PHASE 2. CONTRACTOR SHALL USE SSMH 37249 FOR SUCTION PURPOSES AND DISCHARGE SEWAGE FLOW TO SSMH 37248.

**FLOW DATA:**

CONTRACTOR TO DEVELOP AND SUBMIT A BYPASS PUMPING PLAN. THE ESTIMATED FLOW BETWEEN MH 37248 AND MH 37344 IS APPROXIMATELY 2364 GPM.

Date: Aug 08, 2022, 12:16pm User ID: vmenendoza File: G:\Projects-2020\2020 SAWS CMOM PK3 - PD\Civil\2020 SAWS CMOM PK3 - BYPASS OPEN CUT.dwg

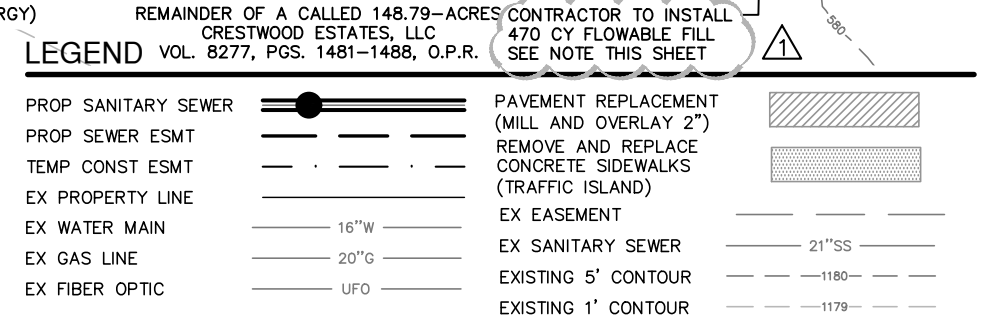




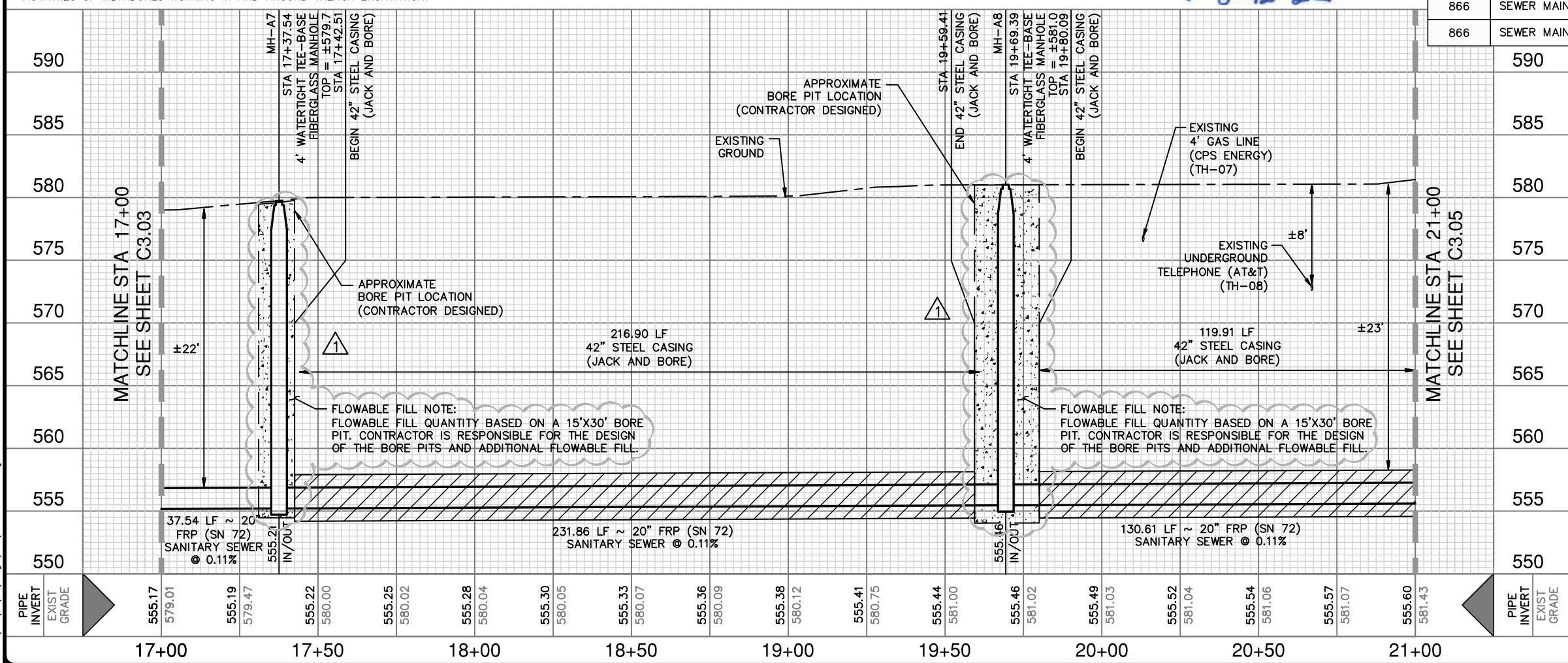
QUANTITY TABLE			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	191
108.1	LIME TREATED SUBGRADE (6" COMPACTED DEPTH)	SY	20
203.1	TACK COAT	GAL	78
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" THICKNESS)	SY	20
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" THICKNESS)	SY	776
208.1	SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" THICKNESS)	SY	776
413	FLOWABLE FILL	CY	940
500.1	CONCRETE CURB	LF	191
502.1	REMOVE AND REPLACE CONCRETE PAVERS (TRAFFIC ISLAND)	SY	127
539.1	4 INCH WIDE YELLOW LINE (COSA SPEC)	LF	195
539.2	4 INCH WIDE WHITE LINE (COSA SPEC)	LF	285
550	TRENCH EXCAVATION PROTECTION	LF	65
852	4' WATERTIGHT TEE-BASE FIBERGLASS MANHOLE	EA	2
852A	EXTRA DEPTH MANHOLE	VF	38
856	PIPE-JACKED TUNNEL	LF	335
856.1	CARRIER PIPE IN TUNNEL 20" FRP (SN 72)	LF	335
856.2	42" STEEL CASING PIPE (MIN. 0.5" THICKNESS)	LF	335
857	20-INCH FRP (ASTM D-3262)(SN 72) (OPEN CUT 20'-25')	LF	45
857	20-INCH FRP (ASTM D-3262)(SN 72) (OPEN CUT 25'-30')	LF	20
862	ABANDONMENT OF SANITARY SEWER MAINS	LF	380
862	ABANDONMENT OF SANITARY SEWER MANHOLES	EA	1
866	SEWER MAIN TV INSPECTION, PRE (18"-24") (ABANDONMENT)	LF	380
866	SEWER MAIN TV INSPECTION, POST (18"-24")	LF	400

**SPECIAL NOTE FOR A.C. MAINS**  
 ASBESTOS CEMENT (A.C.) PIPE, ALSO KNOWN AS TRANSITE PIPE AND WHICH IS KNOWN TO CONTAIN ASBESTOS CONTAINING MATERIAL (AMC), IS LOCATED WITHIN THE PROJECT LIMITS.

**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 COMPLIES WITH, AT 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.



**LINE A - 20" SANITARY SEWER**



SCALE: 1" = 40'

HORZ SCALE = 1" = 40'  
 VERT SCALE = 1" = 10'

**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

NO.	REVISION	DRAWN	APPROVED	DATE
1	ADDENDUM 1			8/12/22

REVISIONS

**2020 CMOM PACKAGE 3 (APPLEWHITE)**

**LINE A - PLAN AND PROFILE SHEET STA 17+00 TO STA 21+00**

DEVELOPER: SAN ANTONIO WATER SYSTEM

CONT. BUDGET PROJ.

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

MAP NO. 142-526,142-528,142-530,144-528,144-530

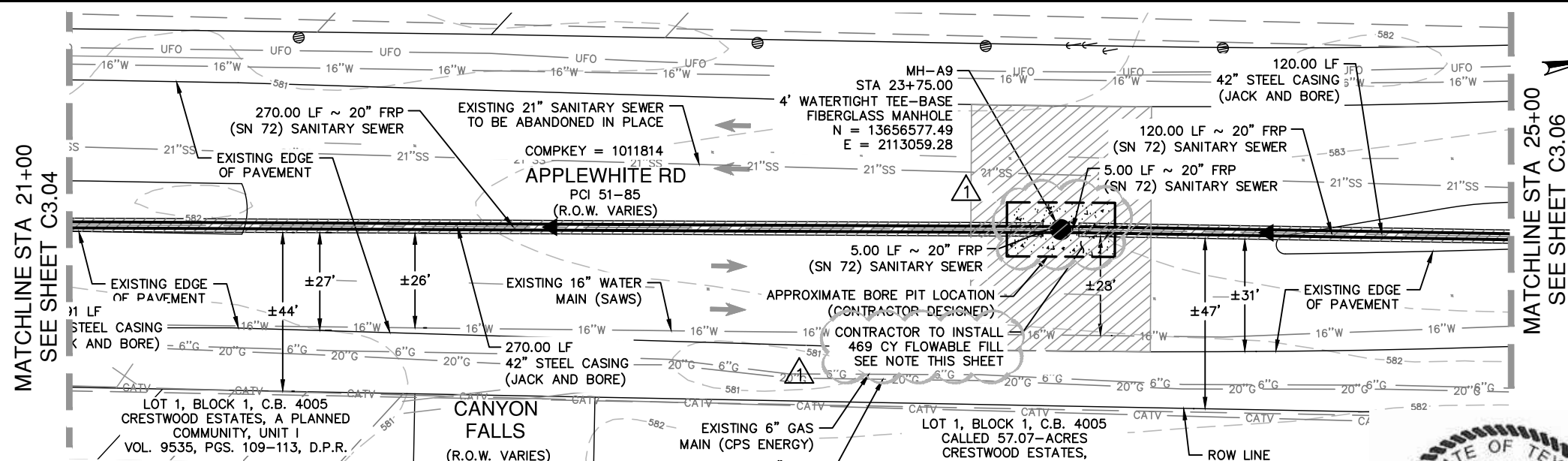
SECT. NO. SAWS NO. 20-4519

DR. BS DS. CD CK. MP

SHEET C3.04

Date: Aug 11, 2022, 3:43pm User ID: cdilly  
 File: F:\22\41\00\Design\Civil\SSA1-1224100.dwg

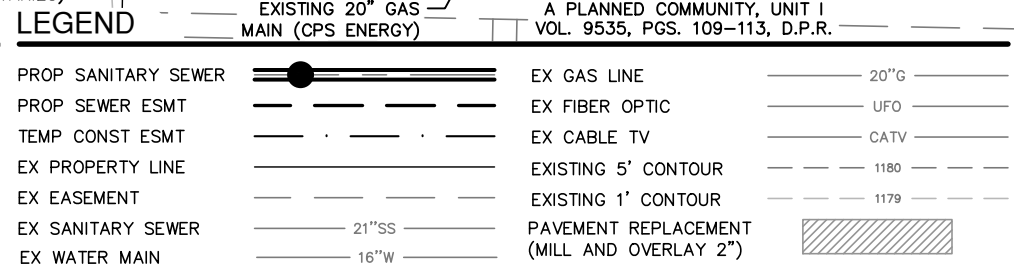
THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARD COPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.



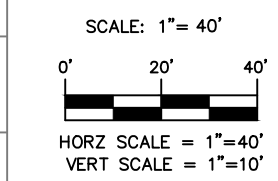
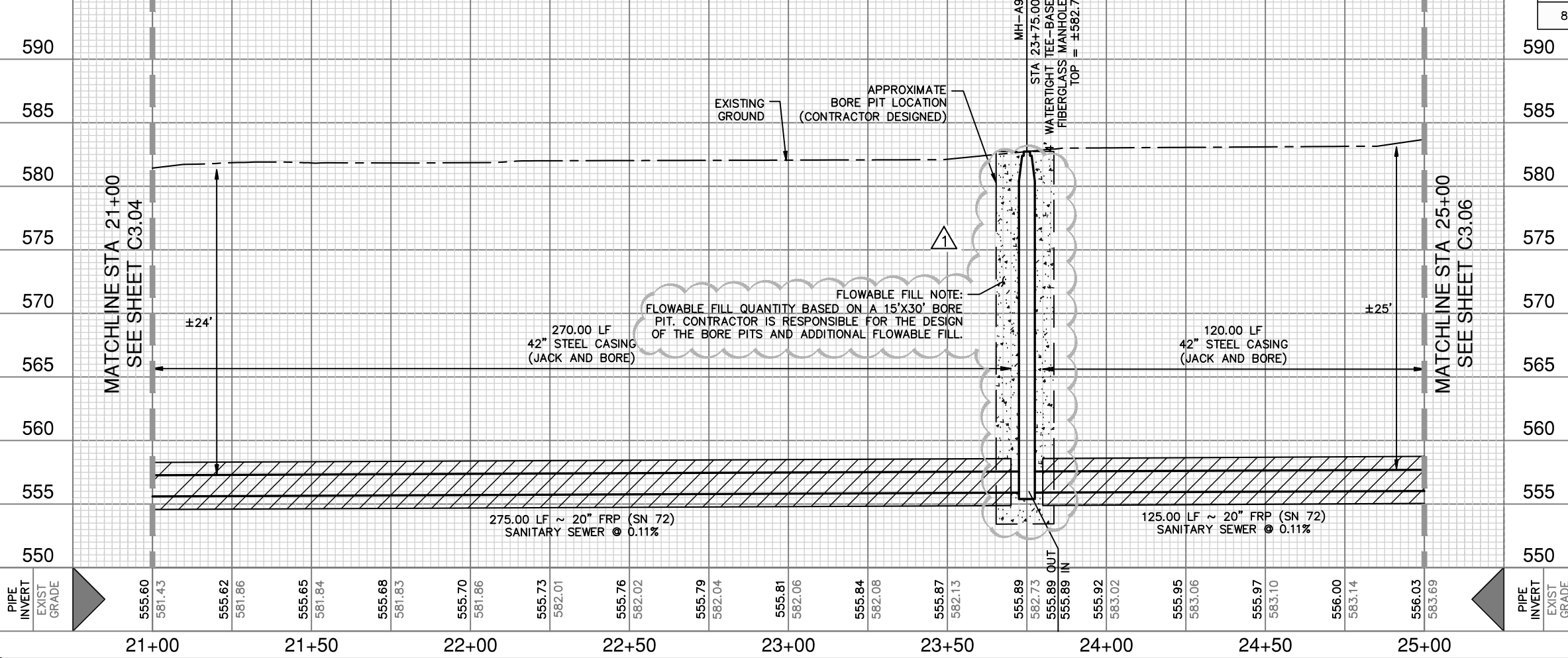
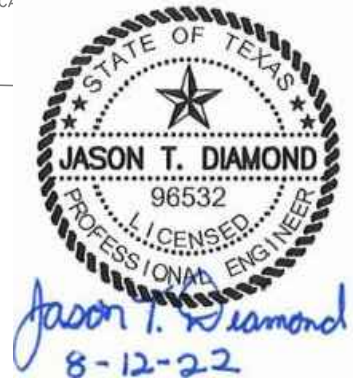
QUANTITY TABLE			
ITEM	DESCRIPTION	UNIT	QUANTITY
108.1	LIME TREATED SUBGRADE (6" COMPACTED DEPTH)	SY	6
203.1	TACK COAT	GAL	38
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" THICKNESS)	SY	6
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" THICKNESS)	SY	378
208.1	SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" THICKNESS)	SY	378
413	FLOWABLE FILL	CY	469
550	TRENCH EXCAVATION PROTECTION	LF	10
539.1	4 INCH WIDE YELLOW LINE	LF	100
539.2	4 INCH WIDE WHITE LINE	LF	175
852	4' WATERTIGHT TEE-BASE FIBERGLASS MANHOLE	EA	1
852A	EXTRA DEPTH MANHOLE	VF	21
856	PIPE-JACKED TUNNEL	LF	390
856.1	CARRIER PIPE IN TUNNEL 20" FRP (ASTM D-3262)(SN 72)	LF	390
856.2	42" STEEL CASING PIPE (0.5" MIN THICKNESS)	LF	390
857	20-INCH FRP (ASTM D-3262)(SN 72) (OPEN CUT 20'-25')	LF	10
862	ABANDONMENT OF SANITARY SEWER MAINS	LF	400
866	SEWER MAIN TV INSPECTION, PRE (18"-24") (ABANDONMENT)	LF	400
866	SEWER MAIN TV INSPECTION, POST (18"-24")	LF	400

**SPECIAL NOTE FOR A.C. MAINS**  
 ASBESTOS CEMENT (A.C.) PIPE, ALSO KNOWN AS TRANSITE PIPE AND WHICH IS KNOWN TO CONTAIN ASBESTOS CONTAINING MATERIAL (AMC), IS LOCATED WITHIN THE PROJECT LIMITS.

**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 COMPLIES WITH, AT 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.



**LINE A - 20" SANITARY SEWER**



**PAPE-DAWSON ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

NO.	REVISION	DRAWN	APPROVED	DATE
1	ADDENDUM 1			8/12/22

REVISIONS

**2020 CMOM PACKAGE 3 (APPLEWHITE)**

**LINE A - PLAN AND PROFILE SHEET STA 21+00 TO STA 25+00**

DEVELOPER: SAN ANTONIO WATER SYSTEM

CONT. BUDGET PROJ.

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

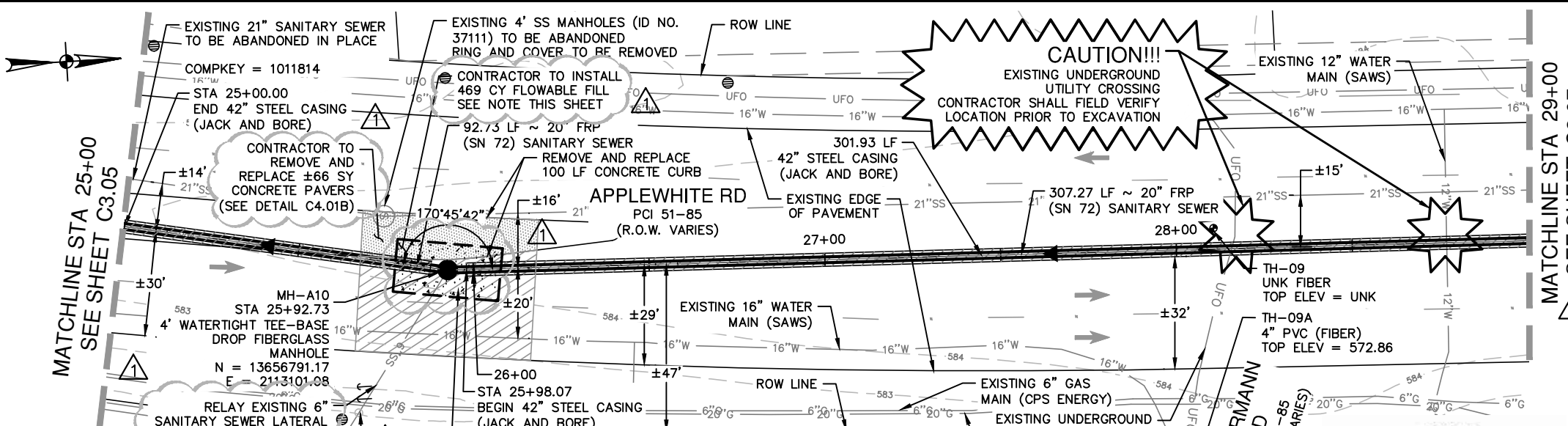
MAP NO. 142-526,142-528,142-530,144-528,144-530 SHEET C3.05

SECT. NO. DR. BS DS. CD CK. MP SAWS NO. 20-4519

Date: Aug 11, 2022, 3:43pm User ID: cdilly  
 File: F:\22\41\00\Design\Civil\SSA1-1224100.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARD COPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.

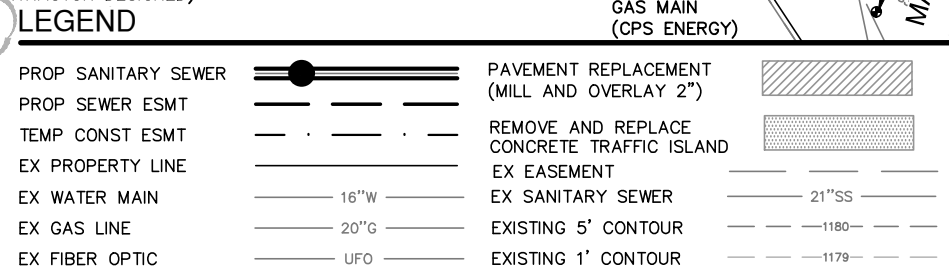




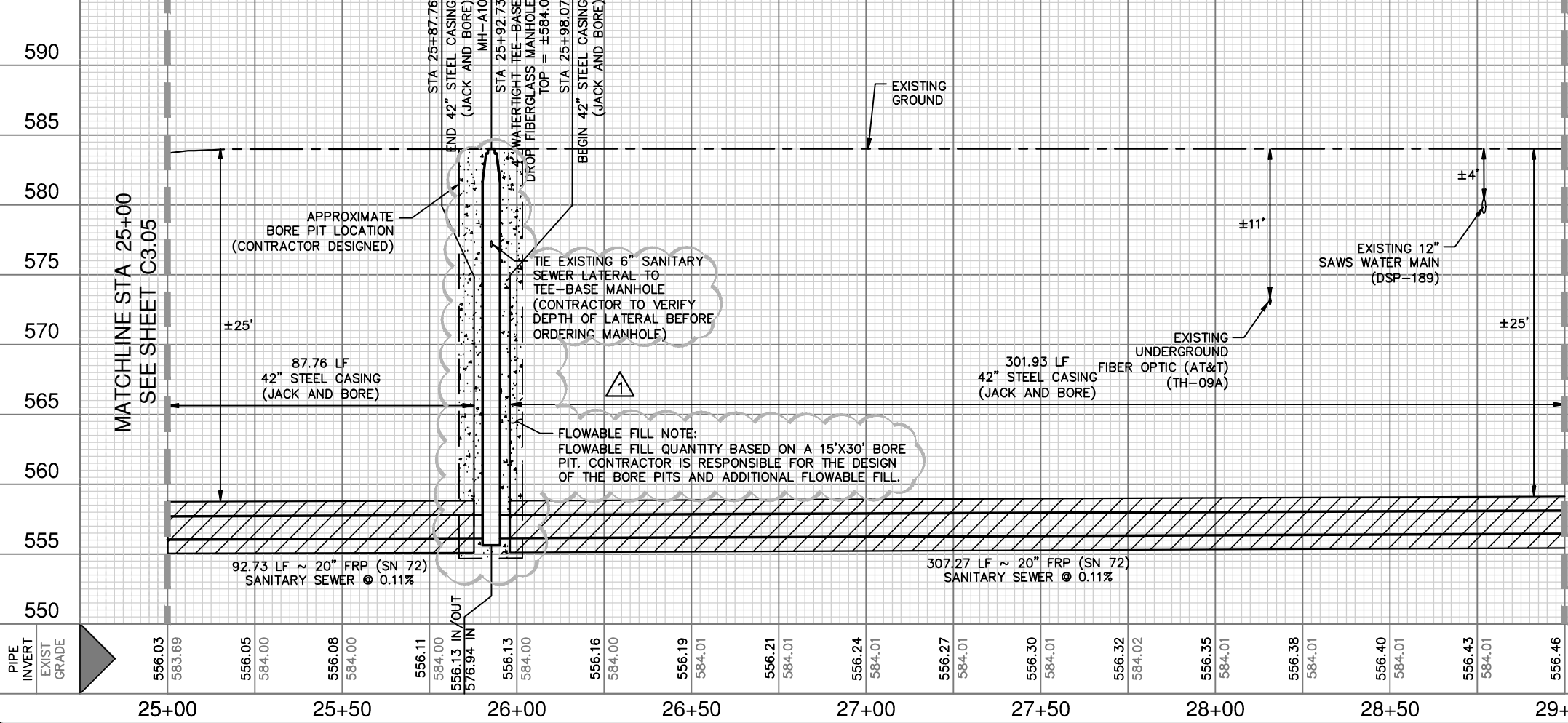
QUANTITY TABLE			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	100
108.1	LIME TREATED SUBGRADE (6" COMPACTED DEPTH)	SY	21
203.1	TACK COAT	GAL	16
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" THICKNESS)	SY	21
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" THICKNESS)	SY	157
208.1	SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" THICKNESS)	SY	157
413	FLOWABLE FILL	CY	469
500.1	CONCRETE CURB	LF	100
502.1	REMOVE AND REPLACE CONCRETE PAVERS (TRAFFIC ISLAND)	SY	66
539.1	4 INCH WIDE YELLOW LINE	LF	100
539.2	4 INCH WIDE WHITE LINE	LF	75
550	TRENCH EXCAVATION PROTECTION	LF	10
852	4' WATERTIGHT TEE-BASE DROP FIBERGLASS MANHOLE	EA	1
852A	EXTRA DEPTH MANHOLE	VF	22
854	SANITARY SEWER LATERAL 6"	LF	50
854.1	TWO-WAY SANITARY SEWER CLEANOUT	EA	1
856	PIPE-JACKED TUNNEL	LF	390
856.1	CARRIER PIPE IN TUNNEL 20" FRP (SN 72)	LF	390
856.2	42" STEEL CASING PIPE (MIN. 0.5" MIN. THICKNESS)	LF	390
857	20-INCH FRP (ASTM D-3262)(SN72) (OPEN CUT 25'-30')	LF	10
862	ABANDONMENT OF SANITARY SEWER MAINS	LF	395
862	ABANDONMENT OF SANITARY SEWER MANHOLES	EA	1
866	SEWER MAIN TV INSPECTION, PRE (18"-24") (ABANDONMENT)	LF	395
866	SEWER MAIN TV INSPECTION, POST (18"-24")	LF	400
1100.3.3	OPEN CUT LATERAL RECONNECTION	EA	1

**SPECIAL NOTE FOR A.C. MAINS**  
 ASBESTOS CEMENT (A.C.) PIPE, ALSO KNOWN AS TRANSITE PIPE AND WHICH IS KNOWN TO CONTAIN ASBESTOS CONTAINING MATERIAL (AMC), IS LOCATED WITHIN THE PROJECT LIMITS.

**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 COMPLIES WITH, AT 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.



**LINE A - 20" SANITARY SEWER**



HORZ SCALE = 1"=40'  
 VERT SCALE = 1"=10'

**PAPE-DAWSON ENGINEERS**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

NO.	REVISION	DRAWN	APPROVED	DATE
1	ADDENDUM 1			8/12/22

REVISIONS

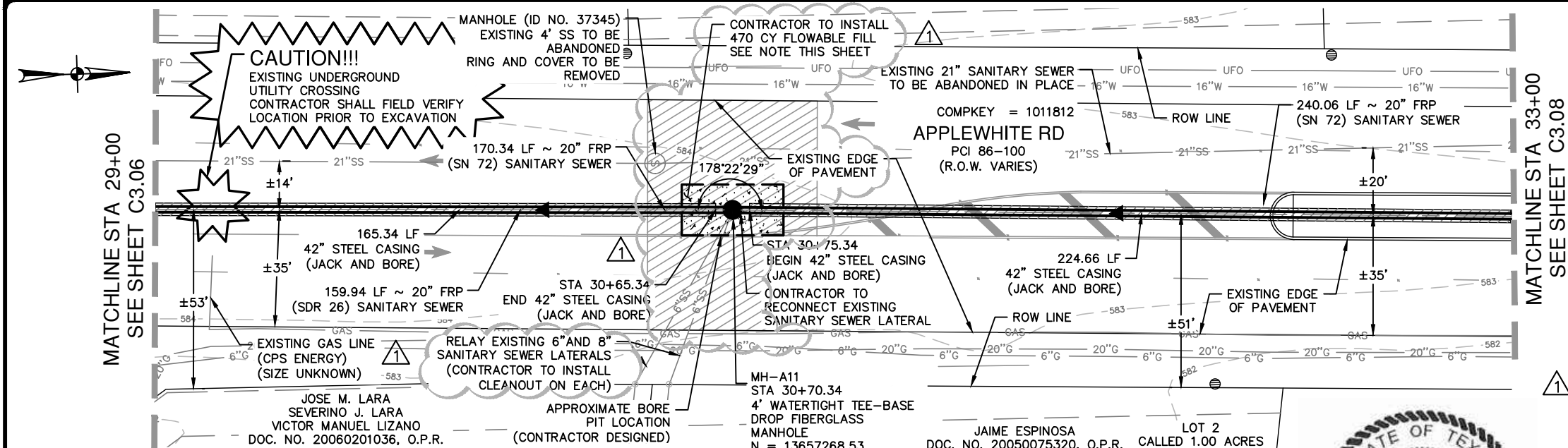
**2020 CMOM PACKAGE 3 (APPLEWHITE)**  
**LINE A - PLAN AND PROFILE SHEET**  
**STA 25+00 TO STA 29+00**

DEVELOPER: SAN ANTONIO WATER SYSTEM  
 CONT. BUDGET PROJ.

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

MAP NO. 142-526,142-528,142-530,144-528,144-530 SHEET C3.06  
 SECT. NO. \_\_\_\_\_  
 DR. BS DS. CD CK. MP SAWS NO. 20-4519

Date: Aug 11, 2022, 3:45pm User ID: cdlly  
 File: F:\22\41\00\Design\Civil\SSA1-1224100.dwg



QUANTITY TABLE			
ITEM	DESCRIPTION	UNIT	QUANTITY
108.1	LIME TREATED SUBGRADE (6" COMPACTED DEPTH)	SY	24
203.1	TACK COAT	GAL	38
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" THICKNESS)	SY	24
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" THICKNESS)	SY	378
208.1	SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" THICKNESS)	SY	378
413	FLOWABLE FILL	CY	470
539.1	4 INCH WIDE YELLOW LINE (COSA SPEC)	LF	65
539.2	4 INCH WIDE WHITE LINE (COSA SPEC)	LF	100
550	TRENCH EXCAVATION PROTECTION	LF	10
852	4' WATERTIGHT TEE-BASE DROP FIBERGLASS MANHOLE	EA	1
852A	EXTRA DEPTH MANHOLE	VF	22
854	SANITARY SEWER LATERAL 6"	LF	56
854	SANITARY SEWER LATERAL 8"	LF	52
854.1	TWO-WAY SANITARY SEWER CLEANOUT	EA	2
855	PIPE JACKED TUNNEL	LF	390
856.1	CARRIER PIPE IN TUNNEL 20" FRP (SN 72)	LF	390
856.2	42" STEEL CASING PIPE (MIN. 0.5" MIN. THICKNESS)	LF	390
857	20-INCH FRP (ASTM D-3262)(SN72) (OPEN CUT 25'-30')	LF	10
862	ABANDONMENT OF SANITARY SEWER MAINS	LF	400
862	ABANDONMENT OF SANITARY SEWER MANHOLES	EA	1
866	SEWER MAIN TV INSPECTION, PRE (18"-24") (ABANDONMENT)	LF	400
866	SEWER MAIN TV INSPECTION, POST (18"-24")	LF	400
1100.3.3	OPEN CUT LATERAL RECONNECTION	EA	2

**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 COMPLIES WITH, AT 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.

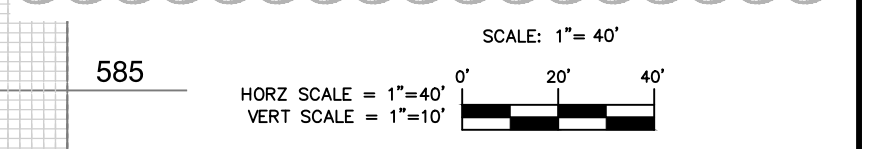
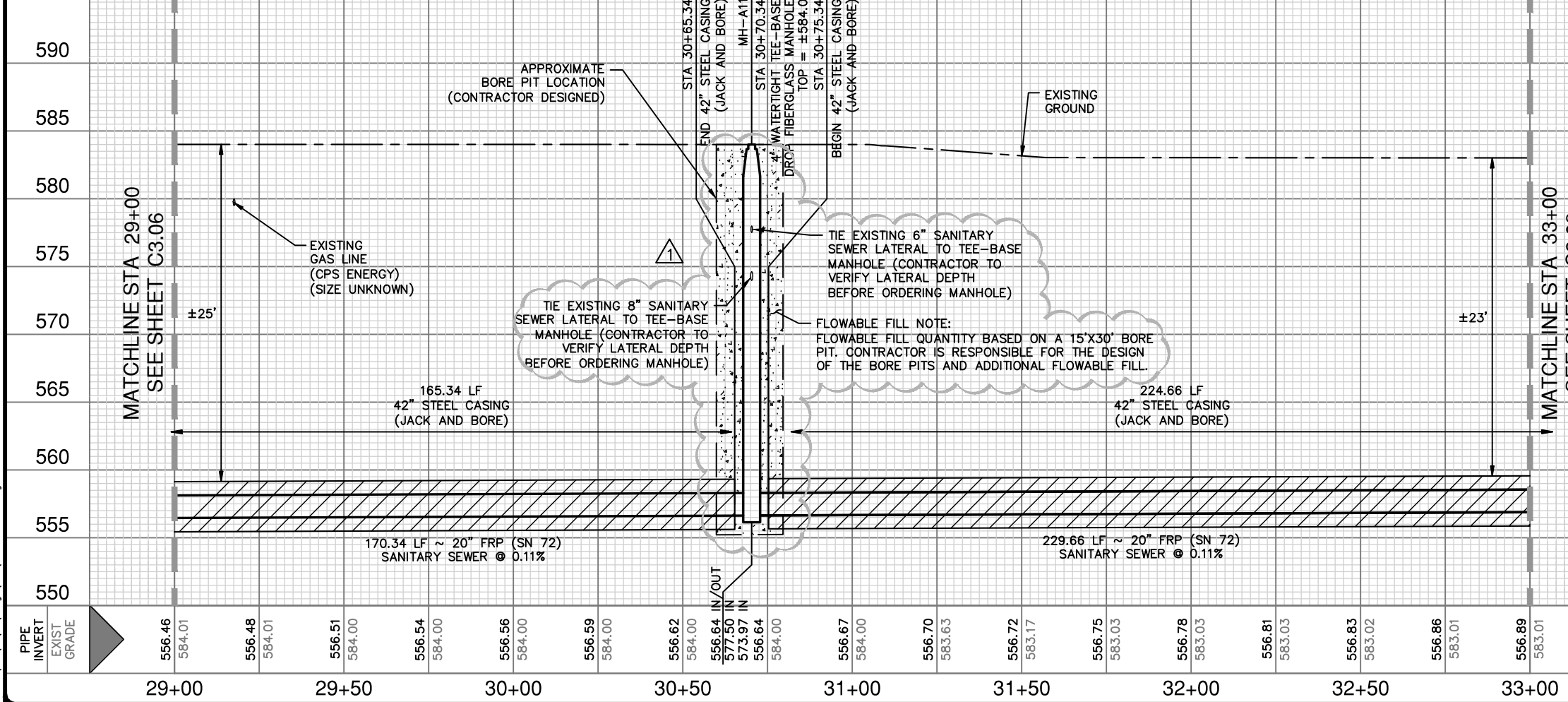
**SPECIAL NOTE FOR A.C. MAINS**

ASBESTOS CEMENT (A.C.) PIPE, ALSO KNOWN AS TRANSITE PIPE AND WHICH IS KNOWN TO CONTAIN ASBESTOS CONTAINING MATERIAL (AMC), IS LOCATED WITHIN THE PROJECT LIMITS.

**LEGEND**

PROP SANITARY SEWER		EX 16" WATER MAIN		16"W
PROP SEWER ESMT		EX FIBER OPTIC		UFO
TEMP CONST ESMT		EX BARB WIRE FENCE		X
EX PROPERTY LINE		EXISTING 5' CONTOUR		-1180
EX EASEMENT		EXISTING 1' CONTOUR		-1179
EX 21" SAN SEWER		PAVEMENT REPLACEMENT (MILL AND OVERLAY 2")		

**LINE A - 20" SANITARY SEWER**



**PAPE-DAWSON ENGINEERS**  
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

1	ADDENDUM 1			8/12/22
NO.	REVISION	DRAWN	APPROVED	DATE

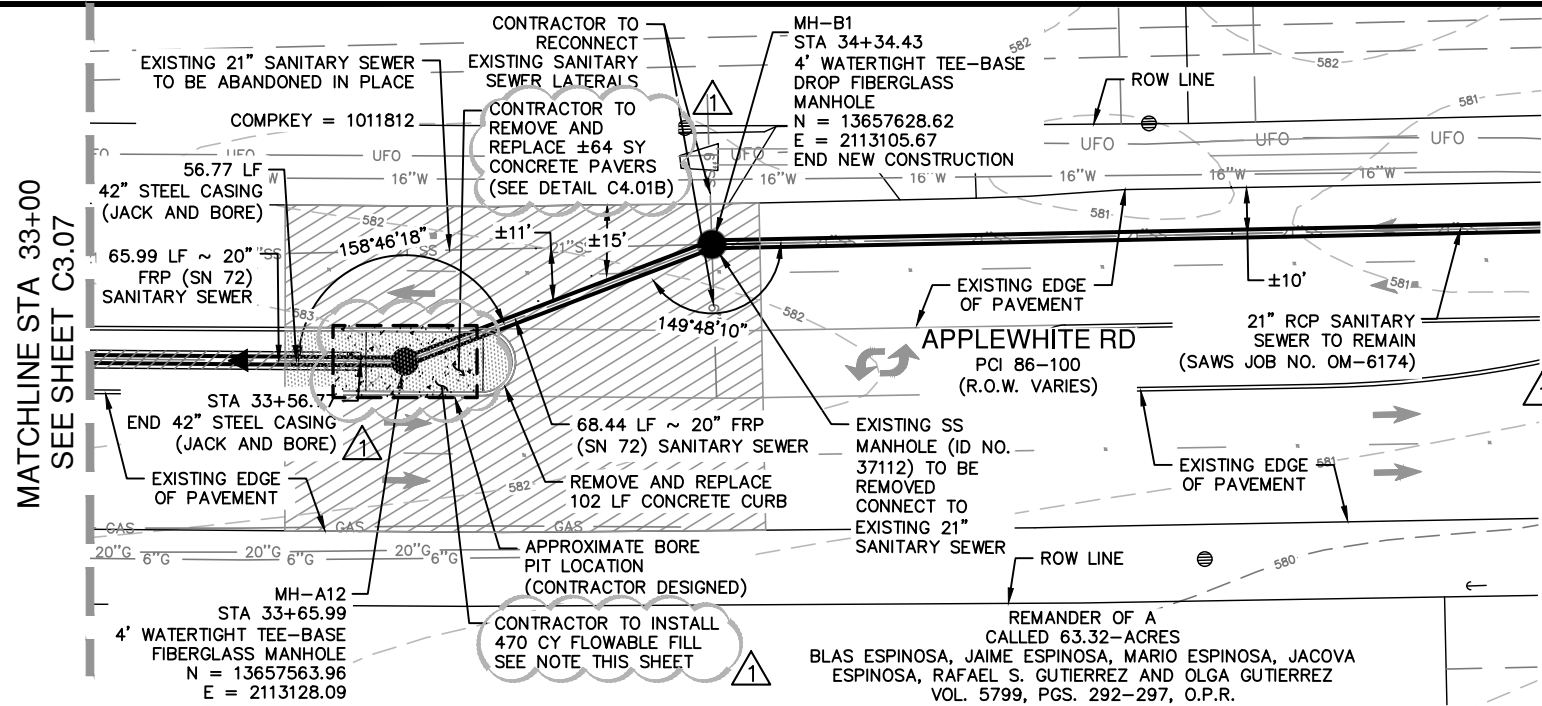
**2020 CMOM PACKAGE 3 (APPLEWHITE)**  
**LINE A - PLAN AND PROFILE SHEET**  
 STA 29+00 TO STA 33+00

DEVELOPER: SAN ANTONIO WATER SYSTEM	
CONT.	BUDGET PROJ.
SUBMITTED	
APPROVED	
MAP NO. 142-526,142-528,142-530,144-528,144-530	SHEET C3.07
SECT. NO.	
DR. BS DS. CD	CK. MP
SAWS NO. 20-4519	

Date: Aug 11, 2022, 3:44pm User ID: cdilly  
 File: F:\22\41\00\Design\Civil\SSA1-1224100.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARD COPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.





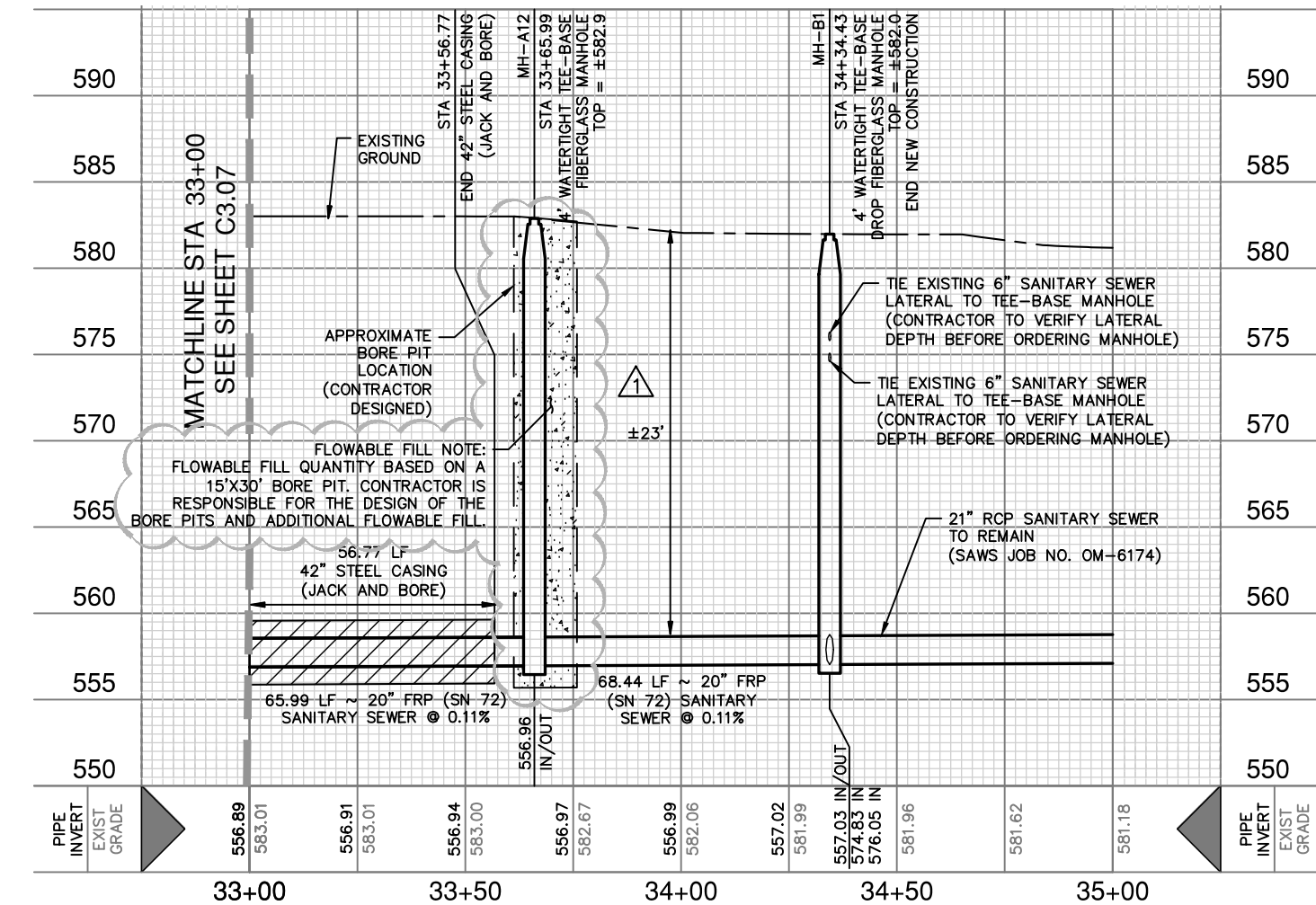
**TRENCH EXCAVATION SAFETY PROTECTION**

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 COMPLIES WITH, AT 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.

**SPECIAL NOTE FOR A.C. MAINS**

ASBESTOS CEMENT (A.C.) PIPE, ALSO KNOWN AS TRANSITE PIPE AND WHICH IS KNOWN TO CONTAIN ASBESTOS CONTAINING MATERIAL (AMC), IS LOCATED WITHIN THE PROJECT LIMITS.

**LINE A - 20" SANITARY SEWER**



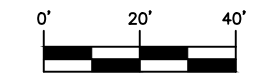
QUANTITY TABLE			
ITEM	DESCRIPTION	UNIT	QUANTITY
103.1	REMOVE CONCRETE CURB	LF	102
108.1	LIME TREATED SUBGRADE (6" COMPACTED DEPTH)	SY	82
203.1	TACK COAT	GAL	68
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" THICKNESS)	SY	82
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" THICKNESS)	SY	679
208.1	SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" THICKNESS)	SY	679
413	FLOWABLE FILL	CY	470
500.1	CONCRETE CURB	LF	102
502.1	REMOVE AND REPLACE CONCRETE PAVERS (TRAFFIC ISLAND)	SY	64
539.1	4 INCH WIDE YELLOW LINE (COSA SPEC)	LF	184
539.2	4 INCH WIDE WHITE LINE (COSA SPEC)	LF	276
550	TRENCH EXCAVATION PROTECTION	LF	76
852	4' WATERTIGHT TEE-BASE FIBERGLASS MANHOLE	EA	1
852A	EXTRA DEPTH MANHOLE	VF	39
852.8	REMOVE AND REPLACE 4' DIA. SANITARY SEWER MANHOLE	EA	1
857	20-INCH FRP (ASTM D-3262)(SN 72) (OPEN CUT 20'-25')	LF	10
857	20-INCH FRP (ASTM D-3262)(SN 72) (OPEN CUT 25'-30')	LF	66
856	PIPE-JACKED TUNNEL	LF	57
856.1	CARRIER PIPE IN TUNNEL 20" FRP (SN 72)	LF	57
856.2	42" STEEL CASING PIPE (MIN. 0.5" MIN. THICKNESS)	LF	57
862	ABANDONMENT OF SANITARY SEWER MAINS	LF	127
866	SEWER MAIN TV INSPECTION, PRE (18"-24") (ABANDONMENT)	LF	127
866	SEWER MAIN TV INSPECTION, POST (18"-24")	LF	133
1109.3.3	OPEN CUT LATERAL RECONNECTION	EA	2
3000	REMOVAL, TRANSPORTATION AND DISPOSAL OF VARIOUS SIZES OF AC PIPE	LF	13

**LEGEND**

- PROP SANITARY SEWER
- PROP SEWER ESMT
- TEMP CONST ESMT
- EX PROPERTY LINE
- PAVEMENT REPLACEMENT (MILL AND OVERLAY 2")
- REMOVE AND REPLACE CONCRETE SIDEWALKS (TRAFFIC ISLAND)
- EX EASEMENT
- EX WATER MAIN
- EX GAS LINE
- EX FIBER OPTIC
- EX SANITARY SEWER
- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR



SCALE: 1" = 40'



*Jason T. Diamond*  
8-12-22

HORZ SCALE = 1"=40'  
VERT SCALE = 1"=10'

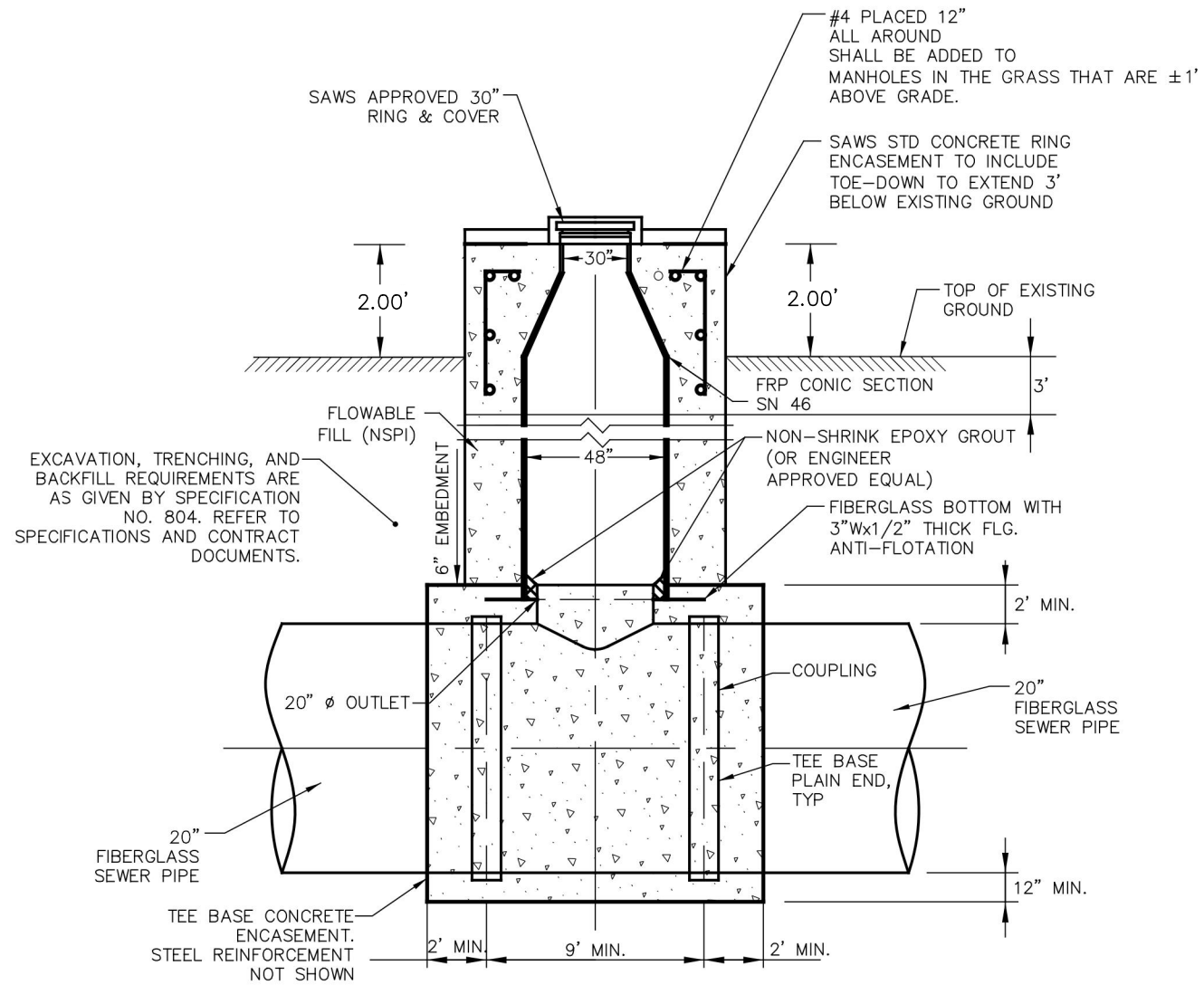


SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

1	ADDENDUM 1			8/12/22
NO.	REVISION	DRAWN	APPROVED	DATE
REVISIONS				
<b>2020 CMOM PACKAGE 3 (APPLEWHITE)</b>				
<b>LINE A - PLAN AND PROFILE SHEET STA 33+00 TO STA 34+58.99</b>				
DEVELOPER: SAN ANTONIO WATER SYSTEM				
CONT.		BUDGET PROJ.		
SUBMITTED _____				
APPROVED _____				
MAP NO. 142-526,142-528,142-530,144-528,144-530				SHEET
SECT. NO.				C3.08
DR. BS DS. CD	CK. MP	SAWS NO. 20-4519		

Date: Aug 11, 2022, 3:44pm User ID: cdilly  
File: F:\22\41\00\Design\Civil\SSA1-1224100.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.



**C4.01**  
A  
**MANHOLE RAISED ± 2'  
ABOVE EXISTING GRADE SECTION**  
N.T.S.



**C4.01**  
B  
**EXISTING CONCRETE PAVERS**  
N.T.S.

**PAPE-DAWSON ENGINEERS**  
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

1	ADDENDUM 1			8/12/22
NO.	REVISION	DRAWN	APPROVED	DATE

REVISIONS

**2020 CMOM PACKAGE 3  
(APPLEWHITE)  
DETAIL SHEET**

DEVELOPER: SAN ANTONIO WATER SYSTEM  
CONT. BUDGET PROJ.

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

MAP NO. 142-526,142-528,142-530,144-528,144-530	SHEET
SECT. NO.	C4.01
DR. BS DS. CD CK. MP	SAWS NO. 20-4519