



Luensmann Off-Site Water Main Extension (Phase I) Project

Solicitation Number: CO-00717

Job No.: 23-1043

ADDENDUM 2

Date: November 22, 2023

To Bidder of Record:

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

RESPONSES TO QUESTIONS

- 1. Question:** SAWS requires all the ductile iron pipe to be encased in Polywrap. Can you please confirm whether Valeron – 4 Mil Cross Laminated or 8 Mil Polywrap meeting applicable requirements set forth in construction spec No. 814 (Ductile Iron Pipe) and Material Spec 100-70. Which one will be required for this project?

Response: Either the 4 Mil Cross Laminated or 8 Mil Polywrap are acceptable for this project.

- 2. Question:** Flanged butterfly valves were called for in Addendum 1. How will these be connected per SAWS details? None of these methods are going to work with the amount of pipe going in between the valve and the MJ fittings. Typically all underground valves are MJ connection and above ground or valves in a vault are supposed to be flanged. Can you please clarify or provide a new detail on how you are wanting the connection to the butterfly valves?

Response: See Changes to the Plans #1. The butterfly valve locations have been revised to allow for installation following SAWS specifications.

CLARIFICATIONS TO QUESTIONS

1. Remove and replace the response to Addendum 1 – Question 9 and replace with the following:

Question: Is HDPE and acceptable alternative?

Response: HDPE will not be allowed as an alternative to PVC pipe.

CHANGES TO THE SPECIFICATIONS

1. Invitation to Bidders, paragraphs 6 and 7, are removed and replaced in their entirety as follows:

Bids will be received either Electronically or through Sealed bids, until 2:00 pm (CST), December 5, 2023 ~~November 28, 2023~~. Electronic bids will be received via the secure SAWS FTP site. **Sealed** bids will be received by Contract Administration, 2800 U.S. Hwy 281 North, Tower II, Customer Center Building, **via a drop box located on the left wall when walking through the first set of double glass doors of the main Tower II entry on the north side of the building**, San Antonio, Texas 78212. See the Electronic Bid Opening Instructions attachment for additional information regarding an electronic bid submittal. **Electronic** bids shall be accompanied by a bid bond in an amount not less than five percent of the total bid price. (Or, if providing SAWS with a cashier's check or certified check in an amount not less than five percent of the total bid price, SAWS will request this within 24 hours from the apparent low bidder. **Sealed** bids must be accompanied by a cashier's check, certified check, or bid bond in an amount not less than five percent of the total bid price. Bids will then be publicly opened and read aloud by Contract Administration via WebEx.

LINK: <https://saws.webex.com/saws/j.php?MTID=mf8c0677fd1d7eea379d17bab4386c0b1>

Meeting Number: 2481 474 7047

Meeting Password: GydTKCg5H67

Join by Phone: +1-469-210-7159

+1-408-418-9388 US Toll

210-233-2090 Local Only

If Bidders intend to submit bids electronically, Bidders will need to submit a request by **December 4, 2023 ~~November 27, 2023~~ 2:00 pm (CST)** to receive access to the File Transfer Protocol (FTP) site via email to Rodolfo.martinez@saws.org. Bidder's email requesting access to the FTP site shall provide the legal name of Bidder's company and the intended recipient's email address and phone number. No requests for FTP site access will be accepted after **December 4, 2023 ~~November 27, 2023~~ 2:00 pm (CST)**.

2. **Electronic Bid Opening Instructions**, paragraphs 1 and 2 are removed and replaced in their entirety as follows:

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 **December 4, 2023 ~~November 27, 2023~~ by 2:00 pm (CST)** to receive access to the FTP site via email to Rodolfo.martinez@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 **December 4, 2023 ~~November 27, 2023~~ by 2:00 pm (CST)**. 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 **December 5, 2023 ~~November 28, 2023~~ by 2:00 pm (CST)**. 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 received by SAWS.

3. **Remove the Bid Proposal in its entirety and replace with the attached revised Bid Proposal. The line items for HDPE pipe have been removed. Bidders shall use the revised bid proposal when submitting a bid for this project. Failure to use the revised version may result in the bid being found non-responsive.**

CHANGES TO THE PLANS

1. **Remove** sheets C3.00 through C3.07 in their entirety and **replace** with the versions included in this addendum.

END OF ADDENDUM

This Addendum, including these three (3) pages, is fourteen (14) pages with attachments in its entirety.

Attachments:

Bid Proposal (3 pages)

Sheets C3.00 – C3.07 (8 pages)



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 **245** 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 Items						
Line No.	Item No.	Item Description	Unit	Quantity	Unit Price	Total
1	361	Repair of Concrete Pavement (Full Depth) (TxDOT Spec)	SY	76		
2	401	Flowable Backfill (TxDOT Spec)	CY	56		
3	502	Barricades, Signs and Traffic Handling (TxDOT Spec)	LS	1		
4	503.5	Gravel Driveway	SY	2,387		
5	507	16' Fence Gate, Type 1	EA	9		
6	508	Remove and Replace Existing Fence	LF	590		
7	520	Revegetation	SY	68,220		
8	530	Barricades, Signs and Traffic Handling (COSA Spec)	LS	1		
9	540	SWPPP	LS	1		
10	550	Trench Excavation Protection	LF	15,079		
FOR ITEMS 11 THROUGH 16 BIDDERS WILL EITHER PROVIDE A BID FOR 814 OR 818, NOT BOTH						
11	818	12" PVC C-900 (DR 18) Pipe (Open Cut)	LF	15		
12	818	16" PVC C-900 (DR 18) Pipe (Open Cut)	LF	172		
13	818	24" PVC C-900 (DR 18) Pipe (Open Cut)	LF	14,892		
14	814	12" Ductile Iron Pipe (Open Cut)	LF	15		
15	814	16" Ductile Iron Pipe (Open Cut)	LF	172		
16	814	24" Ductile Iron Pipe (Open Cut)	LF	14,892		
17	828	12" Gate Valve, MJ w/6" Valve Box, Complete	EA	3		
18	828	16" Gate Valve, MJ w/6" Valve Box, Complete	EA	2		
19	830	24" Butterfly Valve w/6" Valve Box, Complete	EA	25		
20	834	Standard Fire Hydrant Assembly	EA	10		
21	836	Ductile Iron Fittings	TON	8.83		
22	840	Water Tie-in to 16" Main	EA	1		
23	840	Water Tie-in to 12" Main	EA	2		
24	840	Water Tie-in to 8" Main	EA	2		
25	841	Hydrostatic Testing	EA	6		
26	844	2" Temporary Blow-Off Assembly	EA	6		
27	844	4" Permanent Blow-Off Assembly	EA	1		
28	846	2" Combination ARV Assembly	EA	6		
29	856.1	48" Jack and Bore Tunneling	LF	435		
30	856.2	48" Steel Casing	LF	435		
FOR ITEMS 31 THROUGH 32 BIDDERS WILL EITHER PROVIDE A BID FOR 814 OR 818, NOT BOTH						
31	818	24" PVC C-900 (DR 18) Carrier Pipe	LF	435		
32	814	24" Ductile Iron Carrier Pipe	LF	435		

33	858	Concrete Encasement	CY	231		
34	3000	Remove Asbestos Cement Pipe	LF	213		
35	3100	12" Temporary Water Line, Including Fittings, Tie-ins, and all Appurtenances	LF	197		
36	6001	Portable Changeable Message Sign (TxDOT Spec)	EA	1		
SUBTOTAL (ITEMS 1 - 36)						

37	100	Mobilization Maximum 10% of line items 1-36	LS	1		
38	102	Intermediate Mobilization and Demobilization	LS	1		
39	101	Preparation of Right-of-Way - This item shall include preparing the right-of-way for construction operations by removing and disposing all obstructions from the right-of-way and from designated easements where removal of such obstructions is not otherwise provided for in the contract documents. Maximum 5% of line items 1-36	LS	1		
TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1- 39)						

MOBILIZATION LUMP SUM BID SHALL BE LIMITED TO A MAXIMUM OF 10% OF THE LINE ITEM "1-36" SUB-TOTAL BASE BID AMOUNT. PREPARING RIGHT-OF-WAY LUMP SUM BID SHALL BE LIMITED TO A MAXIMUM OF 5% OF THE LINE ITEM "1-36" SUB-TOTAL BASE BID AMOUNT. THE LINE ITEM "1-36" SUB-TOTAL BASE BID IS DEFINED AS ALL BID ITEMS EXCLUDING ITEM 100, MOBILIZATION AND ITEM 101, PREPARATION OF 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.

RESTRAINED JOINT NOTE

ALL 24" WATER MAIN PIPE RESTRAINED JOINT MATERIAL AND THE HARDWARE ASSOCIATED WITH THESE MATERIALS ARE CONSIDERED SUBSIDIARY TO THE BID ITEM "24" WATER MAIN (C900, DR 18, CLASS 235), RESTRAINED AND UNRESTRAINED, OPEN CUT".

FIRE HYDRANT LEAD FREE NOTE

SAWS REQUIRES GCPS AND COUNTER PERMITS TO USE LEAD FREE (<0.25% LEAD) FIRE HYDRANTS.

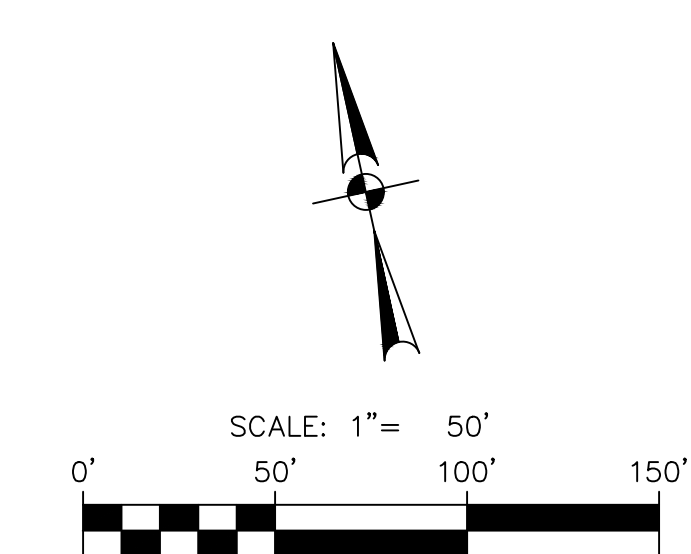
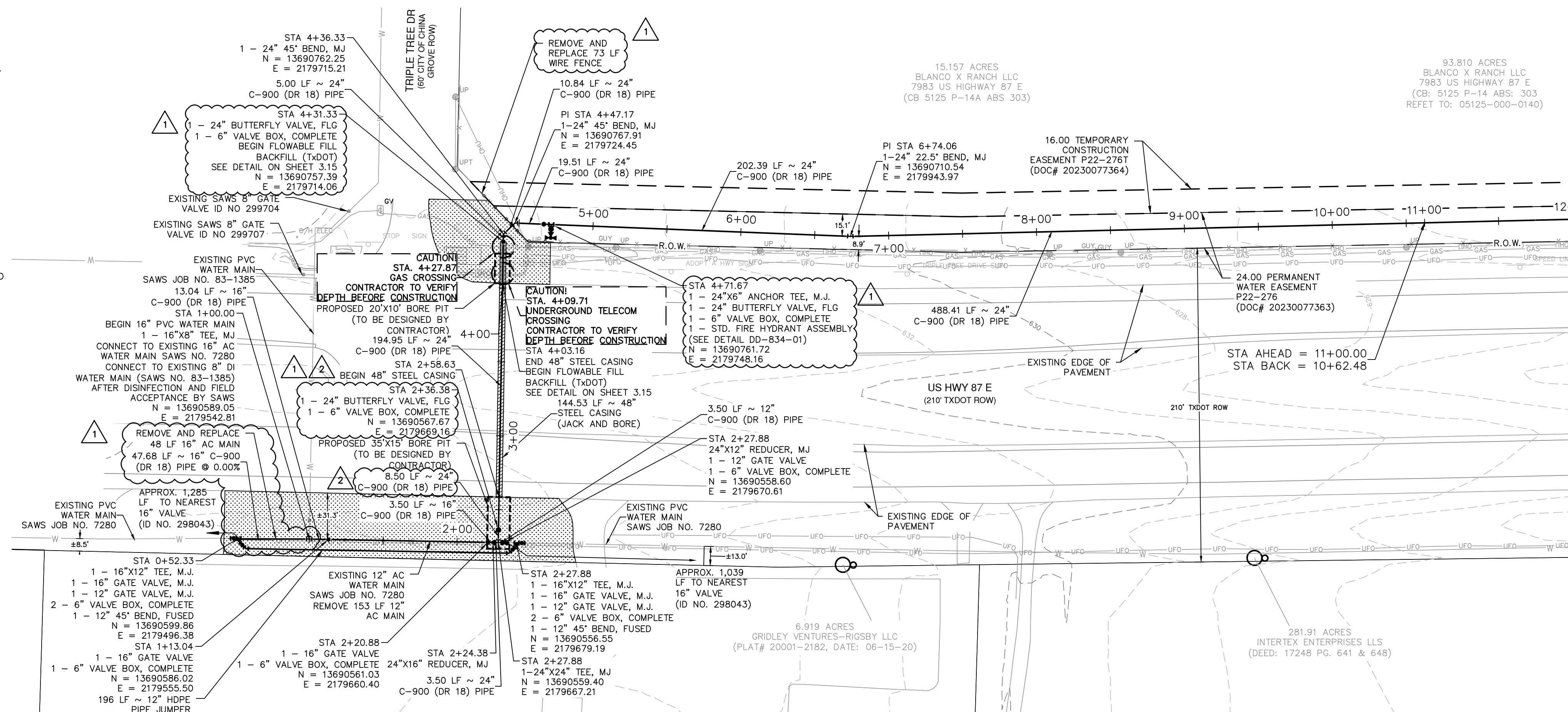
ALL PROPOSED 24" WATER MAIN SHALL BE
24" C-900 (DR 18) PVC PIPE

BUTTERFLY VALVE NOTE

ALL 24" BUTTERFLY VALVES SHALL BE CLASS 250 RATED.

CONTRACTOR NOTE

- PRIVATE DRIVEWAY ACCESS TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- LIVESTOCK MAY BE PRESENT DURING CONSTRUCTION. CONTRACTOR TO KEEP GATES CLOSED AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE IF LIVESTOCK ARE INJURED OR RELEASED.



LEGEND

- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- PROPERTY LINE
- TEMPORARY CONSTRUCTION ESMT
- PERMANENT WATER ESMT
- STEEL CASING
- CONCRETE ENCASUREMENT
- CITY LIMITS
- TxDOT REVEGETATION AREA

QUANTITY TABLE

ITEM	DESCRIPTION	UNIT	QTY
401	FLOWABLE BACKFILL (TxDOT)	CY	56
508	REMOVE AND REPLACE EXISTING FENCE	LF	73
590	TRENCH EXCAVATION PROTECTION	LF	917
818	12-INCH PVC C-900 (DR 18) PIPE	LF	4
818	16-INCH PVC C-900 (DR 18) PIPE	LF	172
818	24-INCH PVC C-900 (DR 18) PIPE	LF	789
828	12" GATE VALVE, MJ W/ 6" VALVE BOX, COMPLETE	EA	1
828	16" GATE VALVE, MJ W/ 6" VALVE BOX, COMPLETE	EA	2
828	24" BUTTERFLY VALVE, FLG W/ 6" VALVE BOX, COMPLETE	EA	2
834	STANDARD FIRE HYDRANT ASSEMBLY	EA	1
836	DUCTILE IRON FITTINGS	TON	1.47
840	WATER TIE-IN TO 16" EXISTING MAIN	EA	1
840	WATER TIE-IN TO 12" EXISTING MAIN	EA	1
840	WATER TIE-IN TO 8" EXISTING MAIN	EA	1
856.1	48" JACK AND BORE TUNNELING	LF	145
856.2	48" STEEL CASING	LF	145
856.3	24-INCH PVC C-900 (DR 18) CARRIER PIPE	LF	145
3000	REMOVE ASBESTOS CEMENT PIPE	LF	213
3000	12" TEMPORARY WATER LINE, INCLUDING FITTINGS, TIE-INS, AND ALL APPURTENANCES	LF	197

ASBESTOS CEMENT NOTE

ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN ASBESTOS-CONTAINING MATERIAL (ACM), MAY BE LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS WILL BE APPLICABLE WHEN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS. PAYMENT FOR SUCH WORK IS TO BE MADE UNDER ITEM NO. 3000, "HANDLING ASBESTOS CEMENT PIPE".

CPS UTILITY NOTE

CONTRACTOR TO MAINTAIN A MINIMUM 5 FOOT CLEARANCE FROM UTILITY POLES AND 30 FEET FROM TRANSMISSION TOWERS FOR ANY OPEN EXCAVATION. IF MINIMUM CLEARANCE CANNOT BE OBTAINED, CONTRACTOR TO COORDINATE AND SCHEDULE WITH CPS TO BRACE UTILITY POLE.

CAUTION UNDERGROUND UTILITIES

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES; LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. THE CONTRACTOR MUST CONTACT 1-800-DIG-TESS AND CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION AND/OR START OF CONSTRUCTION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

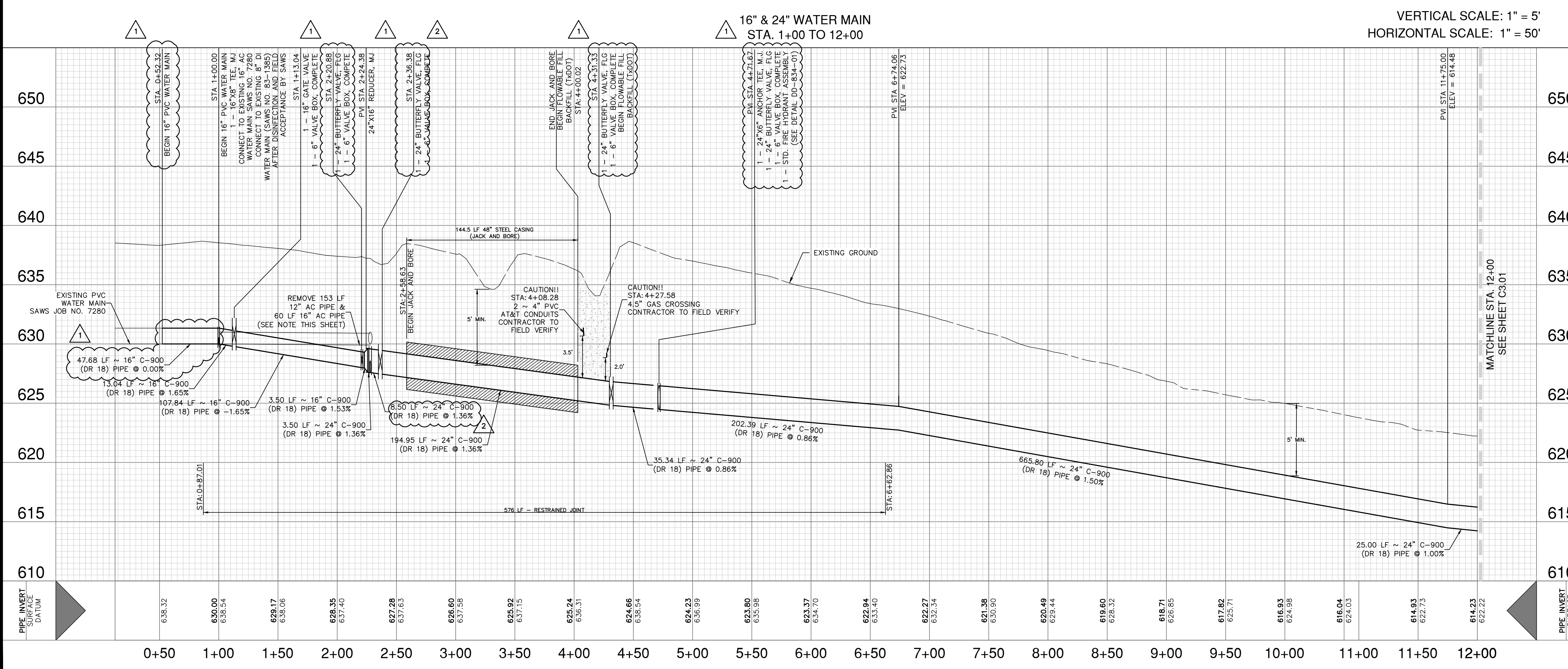
TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGNER/GEOTECHNICAL SAFETY EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

WATER: SAWS PRESSURE ZONE 828

LUENSMANN OFF-SITE WATER MAIN EXTENSION PHASE 1

Developer's Name: STARLIGHT HOMES FOR TEXAS, LLC
 Address: 17319 SAN PEDRO AVE, STE 140
 City: SAN ANTONIO, State: TEXAS, ZIP: 78232
 Phone: (210) 899-5124 FAX: N/A
 210564,212564,214564,214566,216566,216568,226572
 SAWS Block Map#: 216570,216572,218572,220572,222572,224572, Total Acreage: 48.81
 228572,230572,232572,234572,236572,238572,240572,242572,244572,246572,248572
 Total Linear Footage of Pipe 8" LF=12' PVC, 16" LF=18' PVC, 18" LF=24' PVC, 24" LF=24' PVC, 30" LF=24' PVC, 36" LF=24' PVC, 42" LF=24' PVC, 48" LF=24' PVC, 54" LF=24' PVC, 60" LF=24' PVC, 66" LF=24' PVC, 72" LF=24' PVC, 78" LF=24' PVC, 84" LF=24' PVC, 90" LF=24' PVC, 96" LF=24' PVC, 102" LF=24' PVC, 108" LF=24' PVC, 114" LF=24' PVC, 120" LF=24' PVC
 Number of Lots: N/A TOTAL EDS: N/A SAWS JOB NO.: 23-1043



VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'

DATE: 11/07/23
 REVISION: 1
 ADDENDUM: 1
 NO.: 2
 ADDENDUM: 2
 11/21/23

Jason T. Diamond
11-21-23

PAPE-DAWSON ENGINEERS
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008880

LUENSMANN OFF-SITE WATER MAIN EXTENSION (PHASE 1)
 BEXAR COUNTY, TEXAS
 WATER MAIN PLAN AND PROFILE
 STA 1+00 TO 12+00

PLAT NO.:
 JOB NO.: 12473-09
 DATE: MARCH 2023
 DESIGNER: CD
 CHECKED: MP DRAWN: CD
 SHEET: C3.00

FIRE HYDRANT LEAD FREE NOTE

SAWS REQUIRES GCPS AND COUNTER PERMITS TO USE LEAD FREE (<.025% LEAD) FIRE HYDRANTS.

ALL PROPOSED 24" WATER MAIN SHALL BE 24" C-900 (DR 18) PVC PIPE

RESTRAINED JOINT NOTE

ALL 24" WATER MAIN PIPE RESTRAINED JOINT MATERIAL AND THE HARDWARE ASSOCIATED WITH THESE MATERIALS ARE CONSIDERED SUBSIDIARY TO THE BID ITEM "24" WATER MAIN (C900, DR 18, CLASS 235), RESTRAINED AND UNRESTRAINED, OPEN CUT".

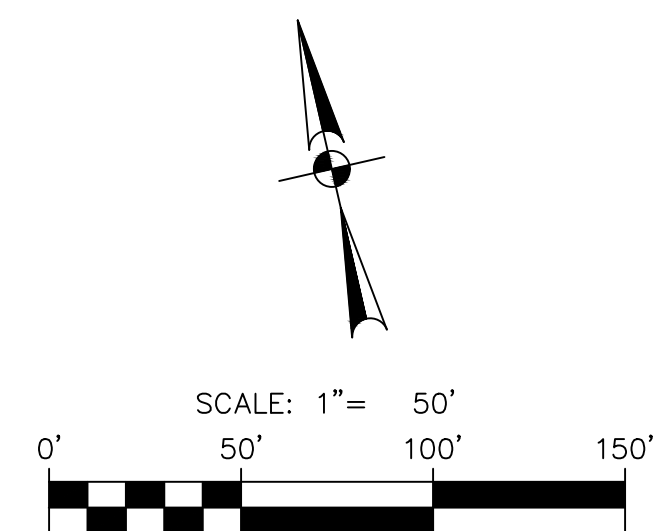
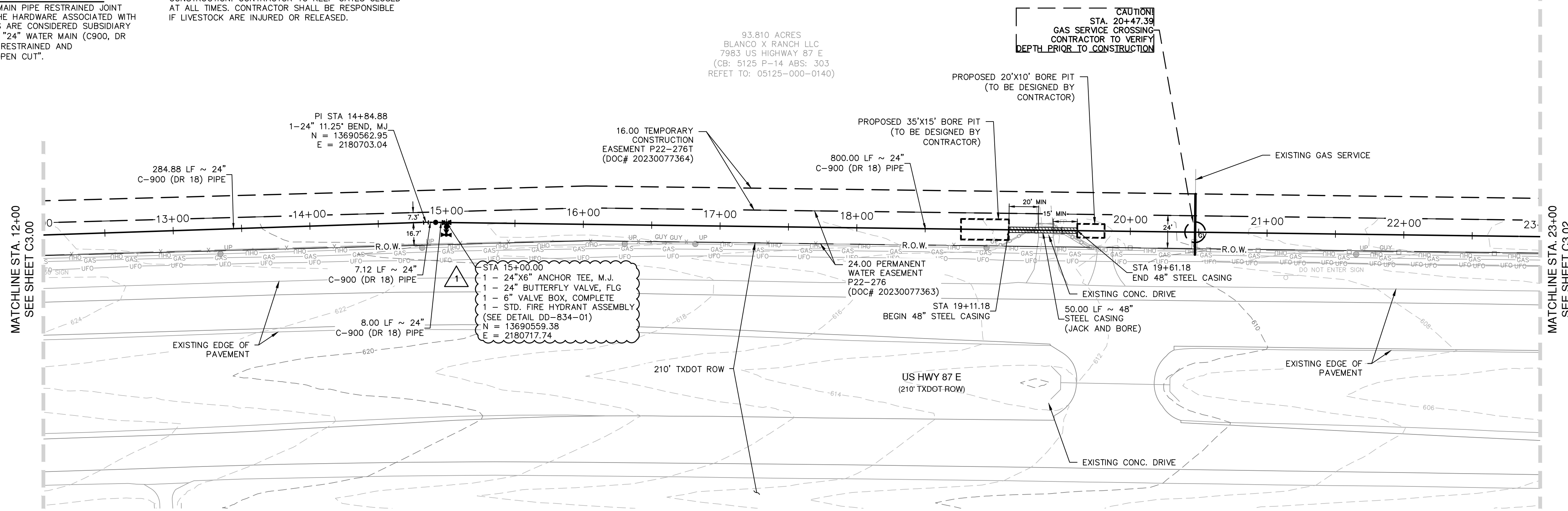
BUTTERFLY VALVE NOTE

ALL 24" BUTTERFLY VALVES SHALL BE CLASS 250 RATED.

CONTRACTOR NOTE

1. PRIVATE DRIVEWAY ACCESS TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
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93.810 ACRES
BLANCO X RANCH LLC
7983 US HIGHWAY 87 E
(CB: 5125 P-14 ABS: 303
REFET TO: 05125-000-0140)



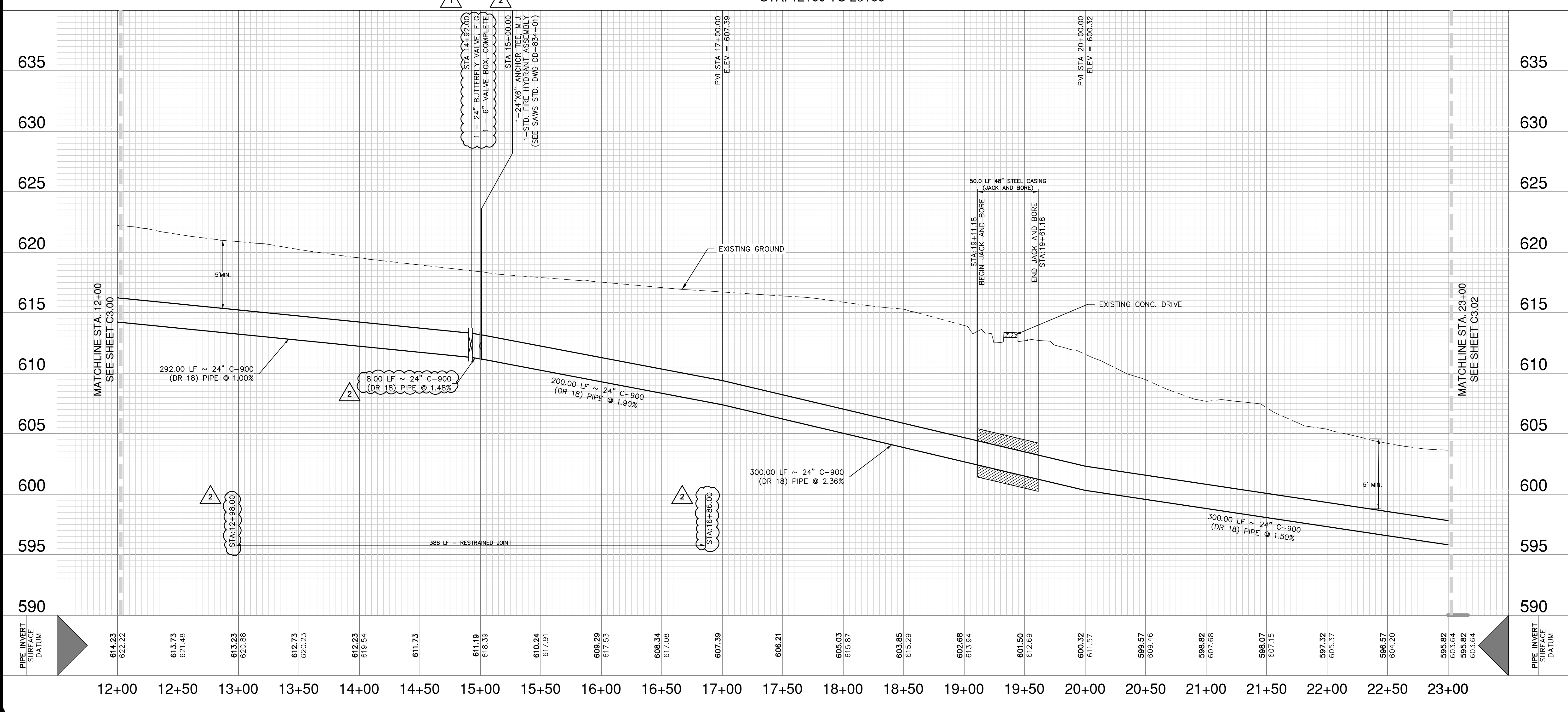
LEGEND

- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- PROPERTY LINE
- TEMPORARY CONSTRUCTION ESMT
- PERMANENT WATER ESMT
- STEEL CASING
- CONCRETE ENCASUREMENT
- CITY LIMITS

ITEM	DESCRIPTION	UNIT	QTY
550	TRENCH EXCAVATION PROTECTION	LF	1050
818	24-INCH PVC C-900 (DR 18) PIPE	LF	1050
828	24" BUTTERFLY VALVE, FLG W/ 6" VALVE BOX, COMPLETE	EA	1
834	STANDARD FIRE HYDRANT ASSEMBLY	EA	1
836	DUCTILE IRON FITTINGS	TON	0.17
856.1	48" JACK AND BORE TUNNELING	LF	50
856.2	48" STEEL CASING	LF	50
856.3	24-INCH PVC C-900 (DR 18) CARRIER PIPE	LF	50

24" WATER MAIN STA. 12+00 TO 23+00

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



CPS UTILITY NOTE

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CAUTION UNDERGROUND UTILITIES

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WATER: SAWS PRESSURE ZONE 828

LUENSMANN OFF-SITE WATER MAIN EXTENSION PHASE 1

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City: SAN ANTONIO State: TEXAS ZIP: 78232
Phone: (210) 899-5124 FAX: N/A
210564,212564,214564,214566,216566,216568,226572
SAWS Block Map#: 216570,216572,218572,220572,222572,224572 Total Acreage: 48.81
Total Linear Footage of Pipe 5" LF=12' PVC 16" LF=18' PVC 18" LF=24' PVC Plat No./N/A
Number of Lots: N/A TOTAL EDS: N/A SAWS JOB NO.: 23-1043

NO.	REVISION	DATE
1 <td>ADDENDUM 1 <td>11/07/23</td> </td>	ADDENDUM 1 <td>11/07/23</td>	11/07/23
2 <td>ADDENDUM 2 <td>11/21/23</td> </td>	ADDENDUM 2 <td>11/21/23</td>	11/21/23



PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #1008860

LUENSMANN OFF-SITE WATER MAIN EXTENSION (PHASE 1)

BEXAR COUNTY, TEXAS

WATER MAIN PLAN AND PROFILE

STA 12+00 TO 23+00

PLAT NO.	12473-09
JOB NO.	12473-09
DATE	MARCH 2023
DESIGNER	CD
CHECKED	MP DRAWN CD
SHEET	C3.01

Date: Nov 01, 2023, 6:13am User: cd, c:\users\cd\appdata\local\temp\AutoCAD_2023_11_01_14_00_00.dwg
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FIRE HYDRANT LEAD FREE NOTE

SAWS REQUIRES GCPS AND COUNTER PERMITS TO USE LEAD FREE (<0.25% LEAD) FIRE HYDRANTS.

ALL PROPOSED 24" WATER MAIN SHALL BE 24" C-900 (DR 18) PVC PIPE

RESTRAINED JOINT NOTE

ALL 24" WATER MAIN PIPE RESTRAINED JOINT MATERIAL AND THE HARDWARE ASSOCIATED WITH THESE MATERIALS ARE CONSIDERED SUBSIDIARY TO THE BID ITEM "24" WATER MAIN (C900, DR 18, CLASS 235), RESTRAINED AND UNRESTRAINED, OPEN CUT".

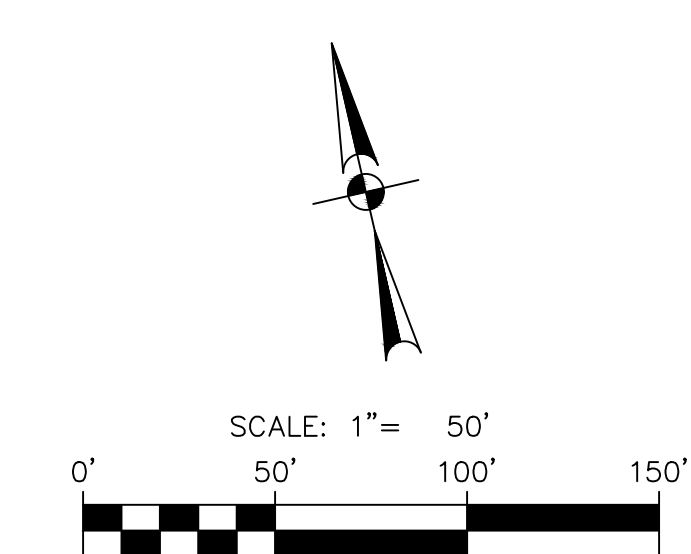
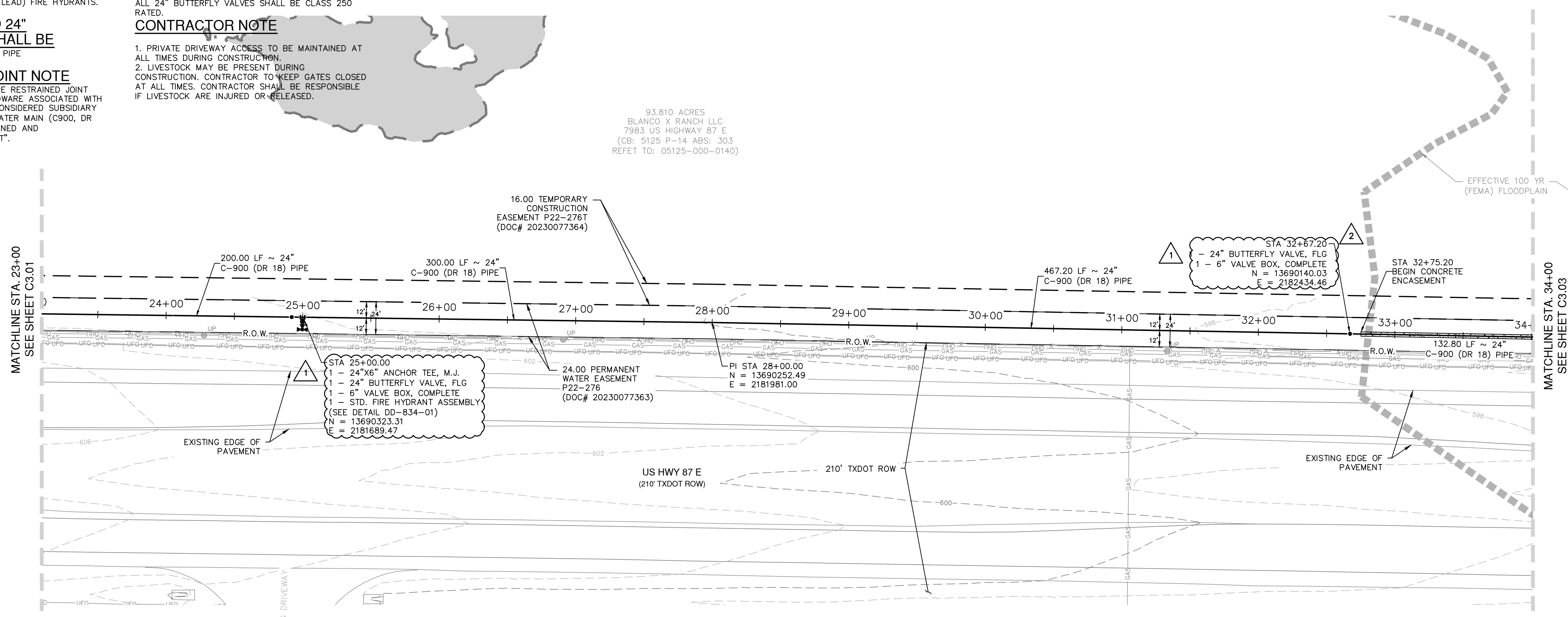
BUTTERFLY VALVE NOTE

ALL 24" BUTTERFLY VALVES SHALL BE CLASS 250 RATED.

CONTRACTOR NOTE

1. PRIVATE DRIVEWAY ACCESS TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
2. LIVESTOCK MAY BE PRESENT DURING CONSTRUCTION. CONTRACTOR TO KEEP GATES CLOSED AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE IF LIVESTOCK ARE INJURED OR RELEASED.

93.810 ACRES
BLANCO X RANCH LLC
7983 US HIGHWAY 87 E
(CB: 5125 P-14 ABS: 303
REFET TO: 05125-000-0140)



LEGEND

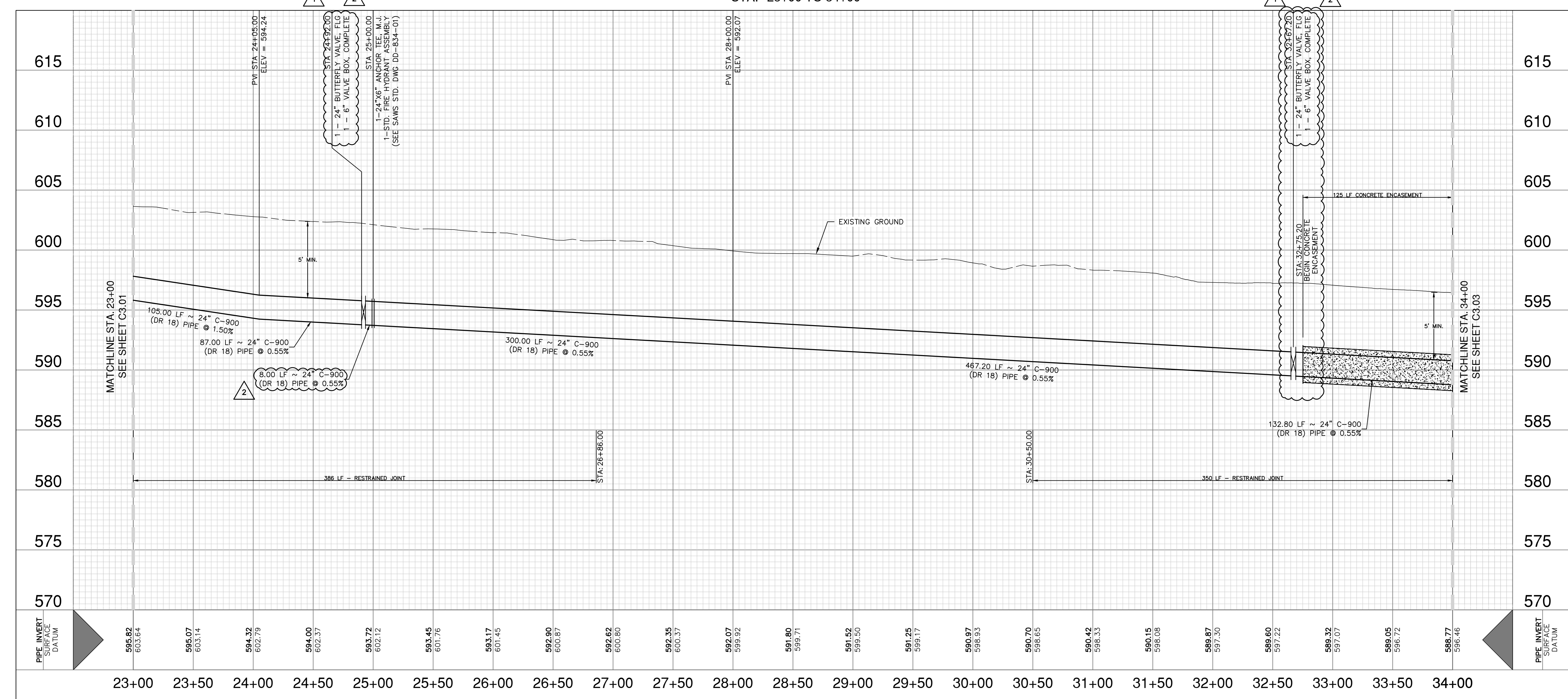
PROPOSED WATER MAIN	---
EXISTING WATER MAIN	---
PROPERTY LINE	---
TEMPORARY CONSTRUCTION ESMT	---
PERMANENT WATER ESMT	---
STEEL CASING	---
CONCRETE ENCASUREMENT	---
CITY LIMITS	---

QUANTITY TABLE

ITEM	DESCRIPTION	UNIT	QTY
550	TRENCH EXCAVATION PROTECTION	LF	1100
818	24-INCH PVC C-900 (DR 18) PIPE	LF	1100
828	24" BUTTERFLY VALVE, FLG W/ 6" VALVE BOX, COMPLETE	EA	2
834	STANDARD FIRE HYDRANT ASSEMBLY	EA	2
858	CONCRETE ENCASUREMENT	CY	28

**24" WATER MAIN
STA. 23+00 TO 34+00**

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



CPS UTILITY NOTE

CONTRACTOR TO MAINTAIN A MINIMUM 5 FOOT CLEARANCE FROM UTILITY POLES AND 30 FEET FROM TRANSMISSION TOWERS FOR ANY OPEN EXCAVATION. IF MINIMUM CLEARANCE CANNOT BE OBTAINED, CONTRACTOR TO COORDINATE AND SCHEDULE WITH CPS TO BRACE UTILITY POLE.

CAUTION UNDERGROUND UTILITIES

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES, SITE LIGHTING, ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. THE CONTRACTOR MUST CONTACT 1-800-DIG-TESS AND CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION AND/OR START OF CONSTRUCTION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

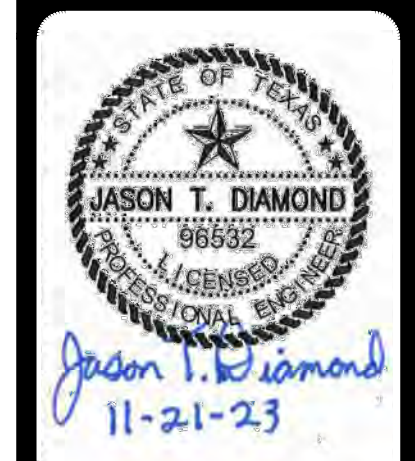
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**WATER: SAWS PRESSURE ZONE 828
LUENSMANN OFF-SITE WATER MAIN EXTENSION PHASE 1**

Developer's Name: STARLIGHT HOMES FOR TEXAS, LLC
Address: 17319 SAN PEDRO AVE, STE 140
City: SAN ANTONIO State: TEXAS ZIP: 78232
Phone: (210) 899-5124 FAX: N/A
SAWS Block Map: 210584, 212564, 214564, 214566, 216566, 216568, 226572
Total Linear Footage of Pipe 5 LF=12" PVC, 162 LF=18" PVC, 15,378 LF=24" PVC Plat No./N/A
Number of Lots: N/A TOTAL EDU'S: N/A SAWS JOB NO.: 23-1043

DATE	11/07/23
NO.	1
REVISION	ADDENDUM 1
	2
	ADDENDUM 2



PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

LUENSMANN OFF-SITE WATER MAIN EXTENSION (PHASE 1)
BEXAR COUNTY, TEXAS
WATER MAIN PLAN AND PROFILE
STA 23+00 TO 34+00

PLAT NO.	
JOB NO.	12473-09
DATE	MARCH 2023
DESIGNER	CD
CHECKED	MP DRAWN CD
SHEET	C3.02

Date: Nov 01, 2023, 5:14pm User ID: csmcns File: P:\12473\02_Design\Civil\WTPP1-1247309-1+00-100+00.dwg

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FIRE HYDRANT LEAD FREE NOTE
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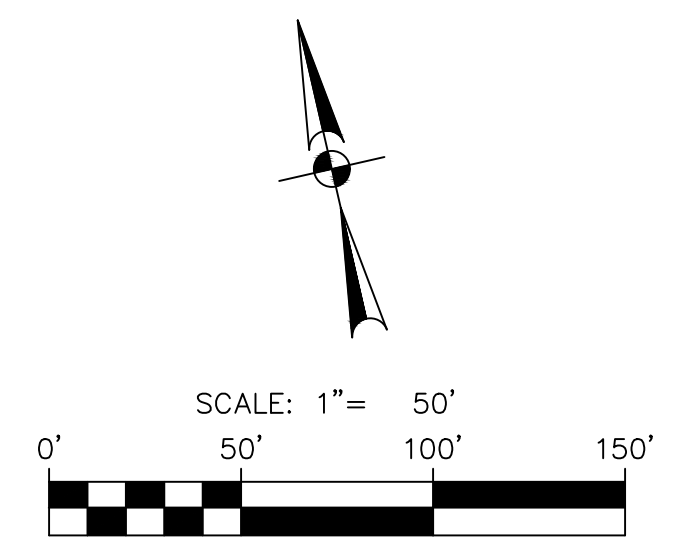
ALL PROPOSED 24" WATER MAIN SHALL BE
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BUTTERFLY VALVE NOTE
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CONTRACTOR NOTE

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LEGEND

- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- PROPERTY LINE
- TEMPORARY CONSTRUCTION ESMT
- PERMANENT WATER ESMT
- STEEL CASING
- CONCRETE ENCASUREMENT
- CITY LIMITS

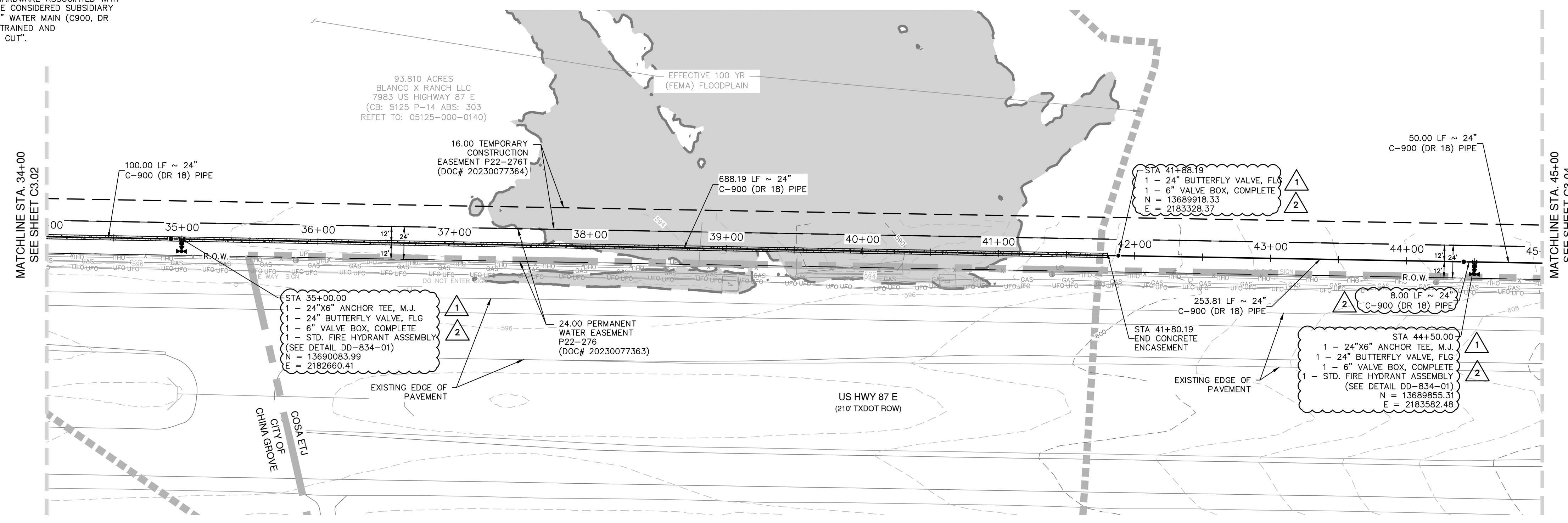
QUANTITY TABLE

ITEM	DESCRIPTION	UNIT	QTY
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818	24-INCH PVC C-900 (DR 18) PIPE	LF	1100
828	24" BUTTERFLY VALVE, FLG W/ 6" VALVE BOX, COMPLETE	EA	3
834	STANDARD FIRE HYDRANT ASSEMBLY	EA	3
836	DUCTILE IRON FITTINGS	TON	1.02
858	CONCRETE ENCASUREMENT	CY	170

NO.	REVISION	DATE
1 <td>ADDENDUM 1 <td>11/07/23</td> </td>	ADDENDUM 1 <td>11/07/23</td>	11/07/23
2 <td>ADDENDUM 2 <td>11/21/23</td> </td>	ADDENDUM 2 <td>11/21/23</td>	11/21/23

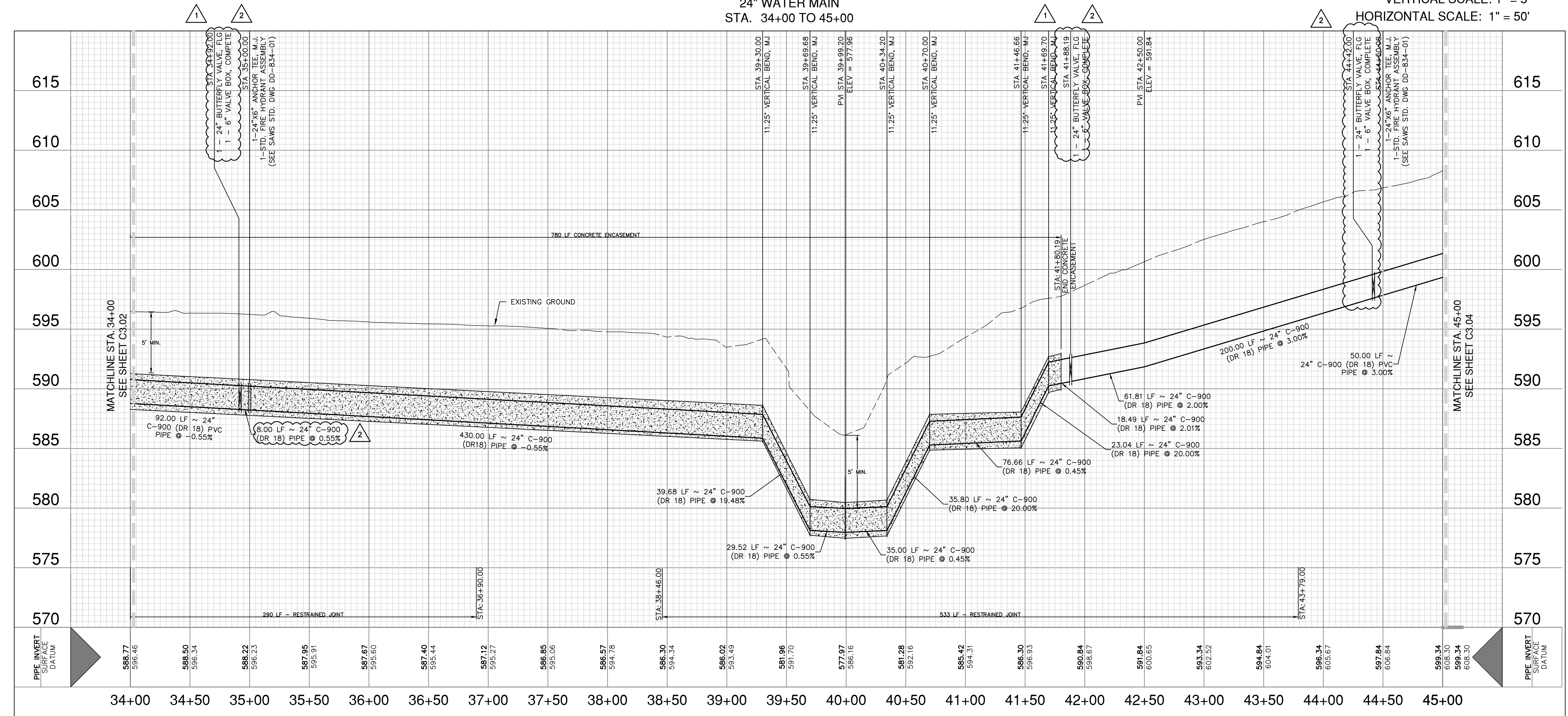


PAPE-PAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



**24" WATER MAIN
STA. 34+00 TO 45+00**

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



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LUENSMANN OFF-SITE WATER MAIN EXTENSION PHASE 1**

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Address: 17319 SAN PEDRO AVE, STE 140
City: SAN ANTONIO State: TEXAS ZIP: 78232
Phone# (210) 899-5124 FAX# N/A
#210564,212564,214564,214566,216566,216568,226572
SAWS Block Map# 216570,216572,218572,220572,222572,224572 Total Acreage 48.81
Total Linear Footage of Pipe 5 LF=12" PVC, 162 LF=18" PVC, 15,378 LF=24" PVC Plat No./N/A
Number of Lots N/A TOTAL EDU'S N/A SAWS JOB NO. 23-1043

**LUENSMANN OFF-SITE WATER MAIN EXTENSION
(PHASE 1)**
BEXAR COUNTY, TEXAS
WATER MAIN PLAN AND PROFILE
STA 34+00 TO 45+00

PLAT NO.	JOB NO.	DATE	DESIGNER	CHECKED	DRAWN	CD	SHEET
	12473-09	MARCH 2023	CD	MP	CD		C3.03

Date: Nov 01, 2023 8:14am User ID: ccmwrcs File: P:\12473\12473\03_Design\Civil\WTPP1-1247309-1+00-100+00.dwg

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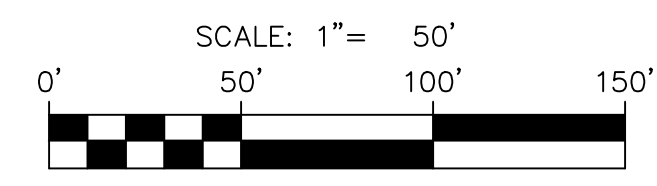
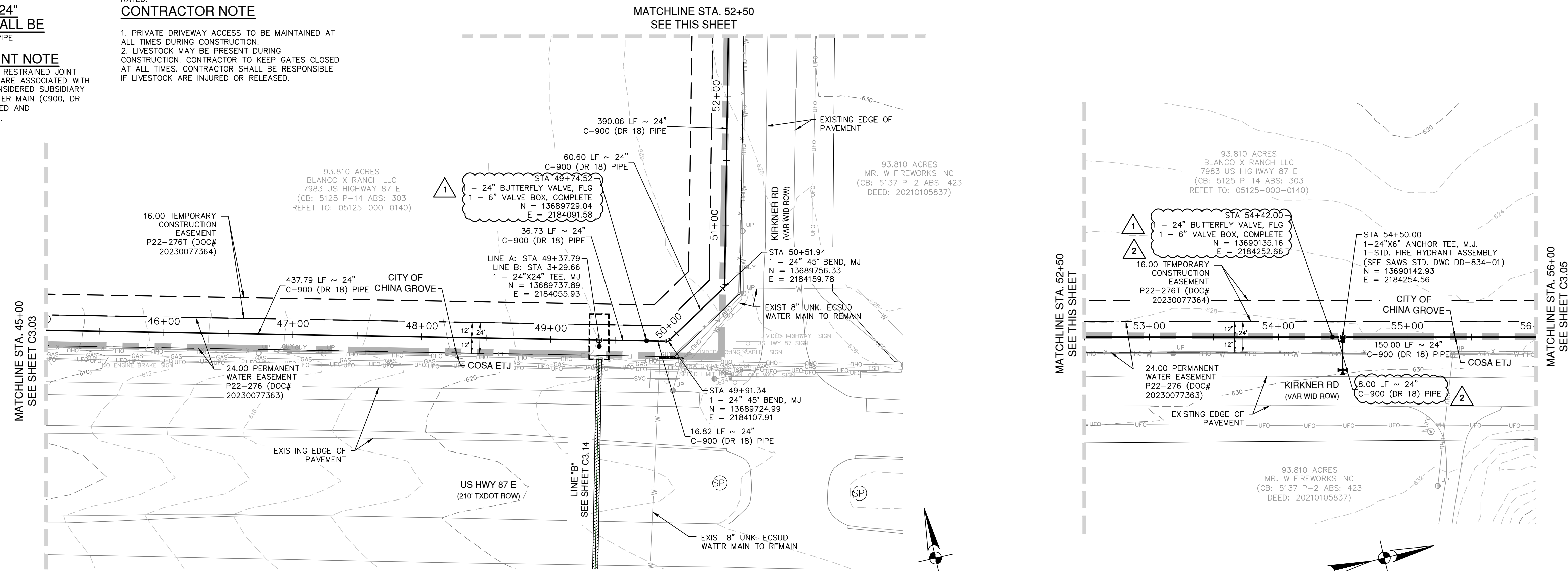
FIRE HYDRANT LEAD FREE NOTE
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WATER MAIN SHALL BE
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RESTRAINED JOINT NOTE
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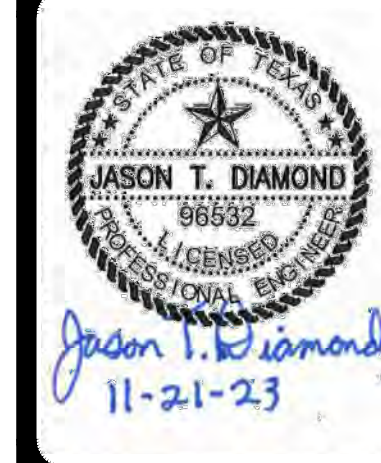
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LEGEND

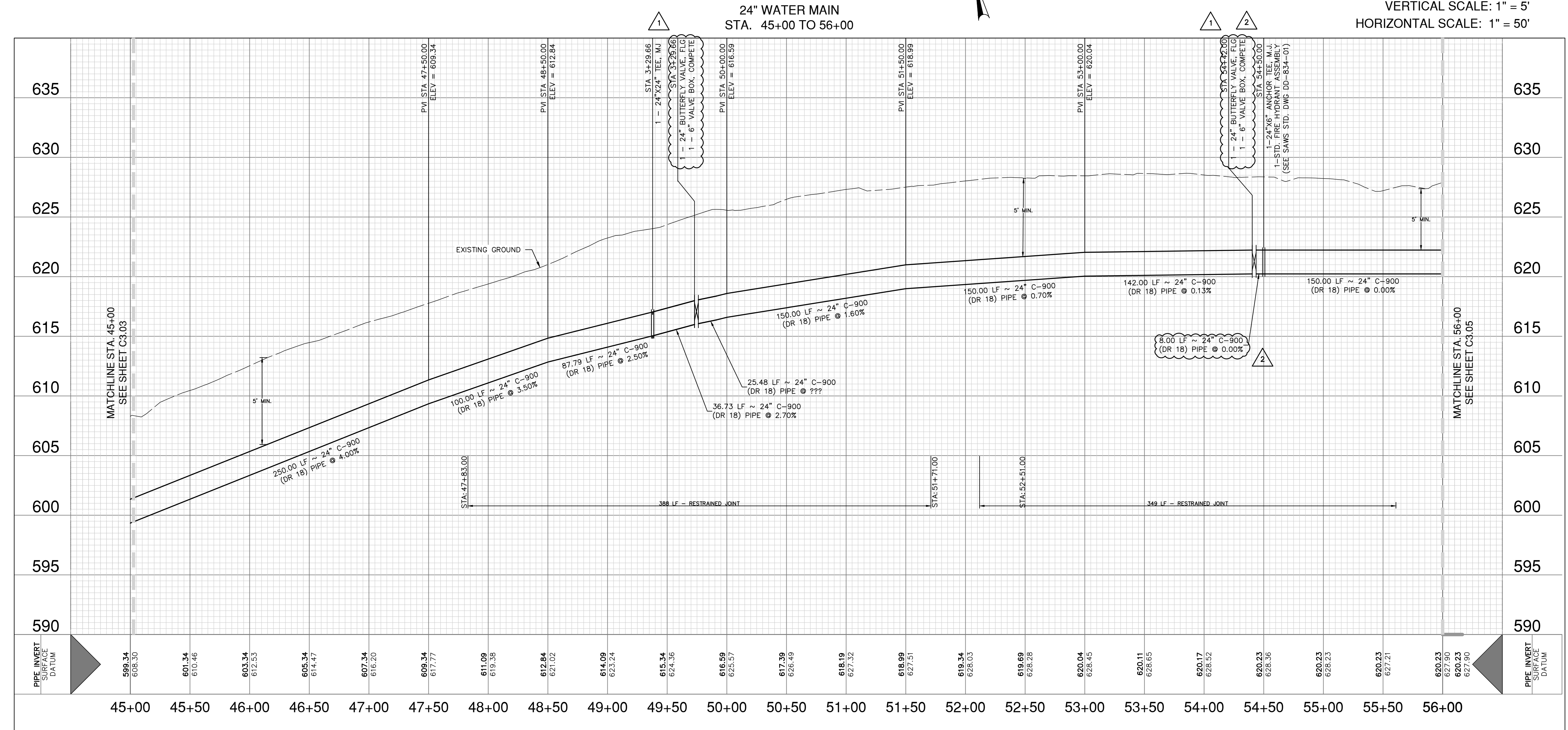
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- PROPERTY LINE
- TEMPORARY CONSTRUCTION ESMT
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- STEEL CASING
- CONCRETE ENCASEMENT
- CITY LIMITS

QUANTITY TABLE			
ITEM	DESCRIPTION	UNIT	QTY
550	TRENCH EXCAVATION PROTECTION	LF	1100
578	24-INCH PVC C-900 (DR 18) PIPE	LF	1100
828	24" BUTTERFLY VALVE, FLG W/ 6" VALVE BOX, COMPLETE	EA	2
834	STANDARD FIRE HYDRANT ASSEMBLY	EA	2
836	DUCTILE IRON FITTINGS	TON	0.83



PAPE-DAWSON ENGINEERS
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

Date: Nov 01, 2023, 5:15pm, User ID: cmcarris, File Path: P:\24\"23\02\Design\Civil\WTRP1-1242309-1+00-100+00.dwg



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**WATER: SAWS PRESSURE ZONE 828
 LUENSMANN OFF-SITE WATER MAIN EXTENSION PHASE 1**

Developer's Name: STARLIGHT HOMES FOR TEXAS, LLC
 Address: 17319 SAN PEDRO AVE, STE 140
 City: SAN ANTONIO State: TEXAS ZIP: 78232

Phone# (210) 899-5124 FAX# N/A
 210564.212564.214564.214566.214566.210566.226572
 SAWS Block Map# 210570.216572.218572.220572.222572.224572 Total Acreage 45.81
 228572.230572.232572.234572.236572.238572.240572.242572.244572.246572.248572.250572
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 Number of Lots N/A TOTAL EDU'S N/A SAWS JOB NO. 23-1043

**LUENSMANN OFF-SITE WATER MAIN EXTENSION
 (PHASE 1)**
 BEXAR COUNTY, TEXAS
 WATER MAIN PLAN AND PROFILE
 STA 45+00 TO 56+00

PLAT NO. _____
 JOB NO. 12473-09
 DATE MARCH 2023
 DESIGNER CD
 CHECKED MP DRAWN CD
 SHEET C3.04

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SAWS REQUIRES GCPS AND COUNTER PERMITS TO USE LEAD FREE (<0.25% LEAD) FIRE HYDRANTS.

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RESTRAINED JOINT NOTE

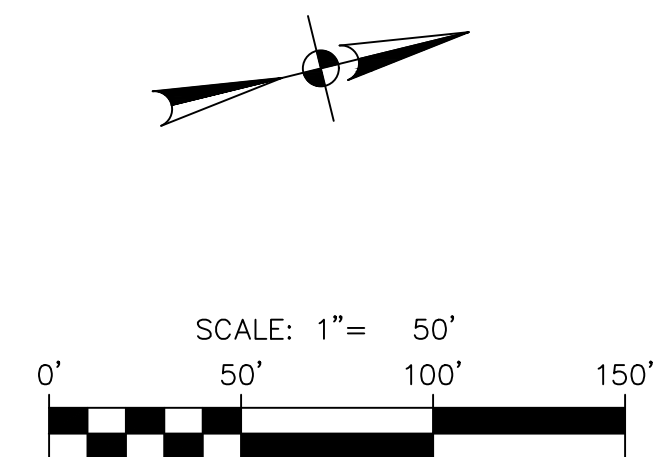
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LEGEND

- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- PROPERTY LINE
- TEMPORARY CONSTRUCTION ESMT
- PERMANENT WATER ESMT
- STEEL CASING
- CONCRETE ENCASEMENT
- CITY LIMITS

QUANTITY TABLE

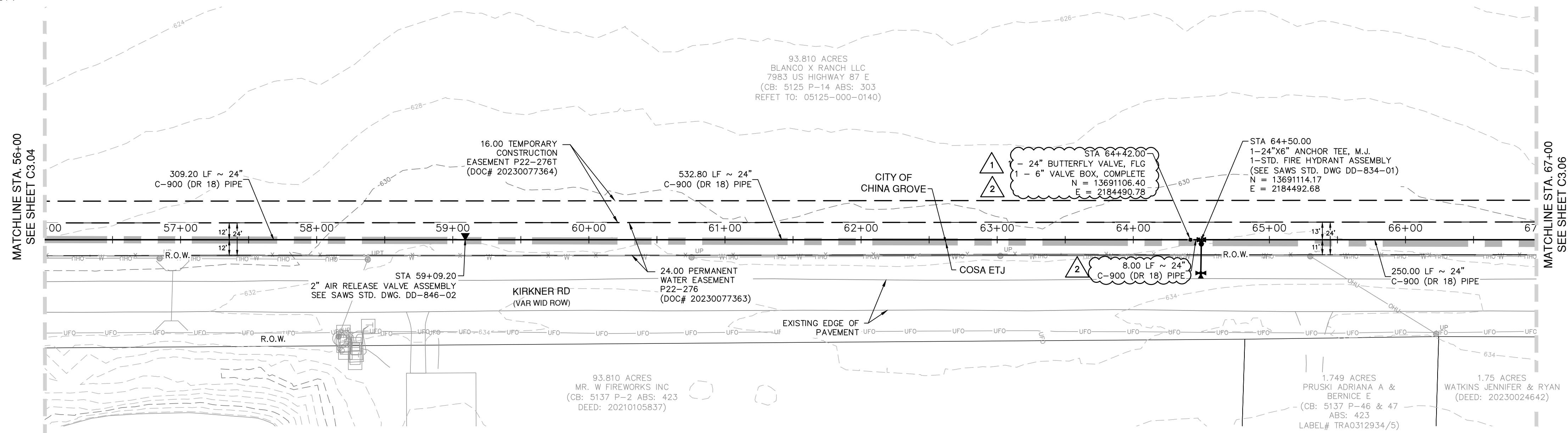
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828	24" BUTTERFLY VALVE, FLG W/ 6" VALVE BOX, COMPLETE	EA	1
834	STANDARD FIRE HYDRANT ASSEMBLY	EA	1
846	2" COMBINATION A.R.V. ASSEMBLY	EA	1

DATE: 11/07/23
REVISION: 1
ADDENDUM: 1
NO. 1
2
ADDENDUM: 2
11/21/23

PAPE-DAWSON ENGINEERS
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2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

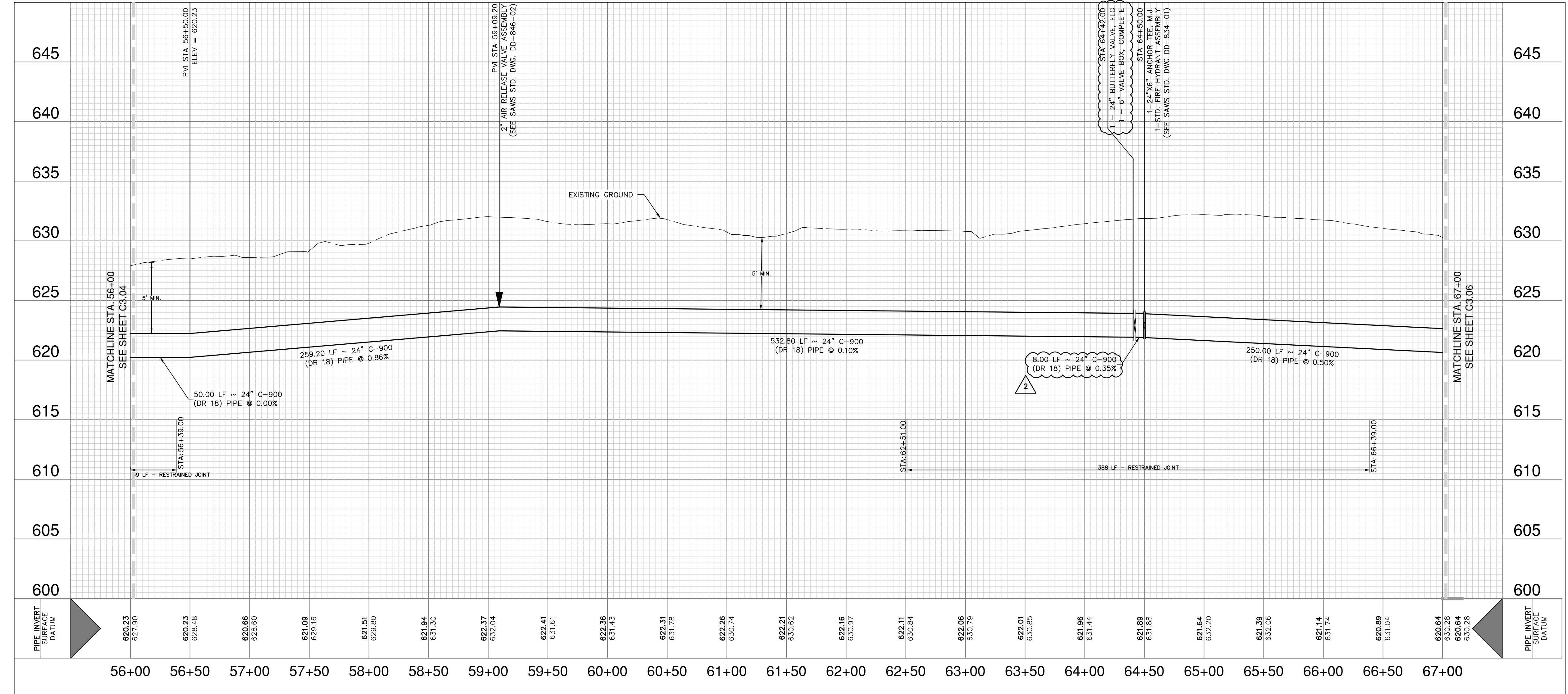
LUENSMANN OFF-SITE WATER MAIN EXTENSION (PHASE 1)
BEXAR COUNTY, TEXAS
WATER MAIN PLAN AND PROFILE
STA 56+00 TO 67+00

PLAT NO. _____
JOB NO. 12473-09
DATE MARCH 2023
DESIGNER CD
CHECKED MP DRAWN CD
SHEET C3.05



**24" WATER MAIN
STA. 56+00 TO 67+00**

**VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'**



CPS UTILITY NOTE

CONTRACTOR TO MAINTAIN A MINIMUM 5 FOOT CLEARANCE FROM UTILITY POLES AND 30 FEET FROM TRANSMISSION TOWERS FOR ANY OPEN EXCAVATION. IF MINIMUM CLEARANCE CANNOT BE OBTAINED, CONTRACTOR TO COORDINATE AND SCHEDULE WITH CPS TO BRACE UTILITY POLE.

CAUTION UNDERGROUND UTILITIES

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES, SITE LIGHTING, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. THE CONTRACTOR MUST CONTACT 1-800-DIG-TESS AND CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION AND/OR START OF CONSTRUCTION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

TRENCH EXCAVATION SAFETY PROTECTION

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WATER: SAWS PRESSURE ZONE 828

LUENSMANN OFF-SITE WATER MAIN EXTENSION PHASE 1

Developer's Name: STARLIGHT HOMES FOR TEXAS, LLC
Address: 17319 SAN PEDRO AVE, STE 140
City: SAN ANTONIO State: TEXAS ZIP: 78232
Phone# (210) 899-5124 FAX# N/A
SAWS Block Map# 210564,212564,214564,214566,214566,216566,216568,226572
Total Acreage 48.81
Total Linear Footage of Pipe 5 LF=12" PVC, 162 LF=18" PVC, 15,378 LF=24" PVC Plat No./N/A
Number of Lots N/A TOTAL EDU'S N/A SAWS JOB NO. 23-1043

Date: Nov 01, 2023, 5:16pm User: cd_owners File: P:\12473\03_Design\Civil\WTRP1-1247309-1+00-100+00.dwg

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FIRE HYDRANT LEAD FREE NOTE

SAWS REQUIRES GCPS AND COUNTER PERMITS TO USE LEAD FREE (<0.25% LEAD) FIRE HYDRANTS.

ALL PROPOSED 24" WATER MAIN SHALL BE 24" C-900 (DR 18) PVC PIPE

RESTRAINED JOINT NOTE

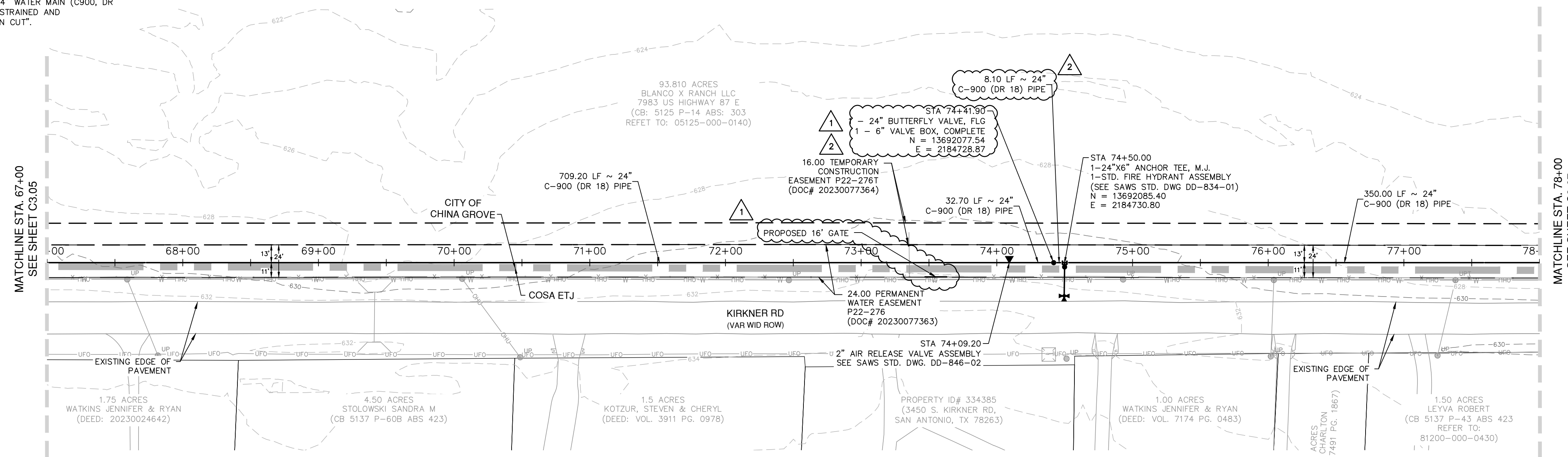
ALL 24" WATER MAIN PIPE RESTRAINED JOINT MATERIAL AND THE HARDWARE ASSOCIATED WITH THESE MATERIALS ARE CONSIDERED SUBSIDIARY TO THE BID ITEM "24" WATER MAIN (C900, DR 18, CLASS 235), RESTRAINED AND UNRESTRAINED, OPEN CUT".

BUTTERFLY VALVE NOTE

ALL 24" BUTTERFLY VALVES SHALL BE CLASS 250 RATED.

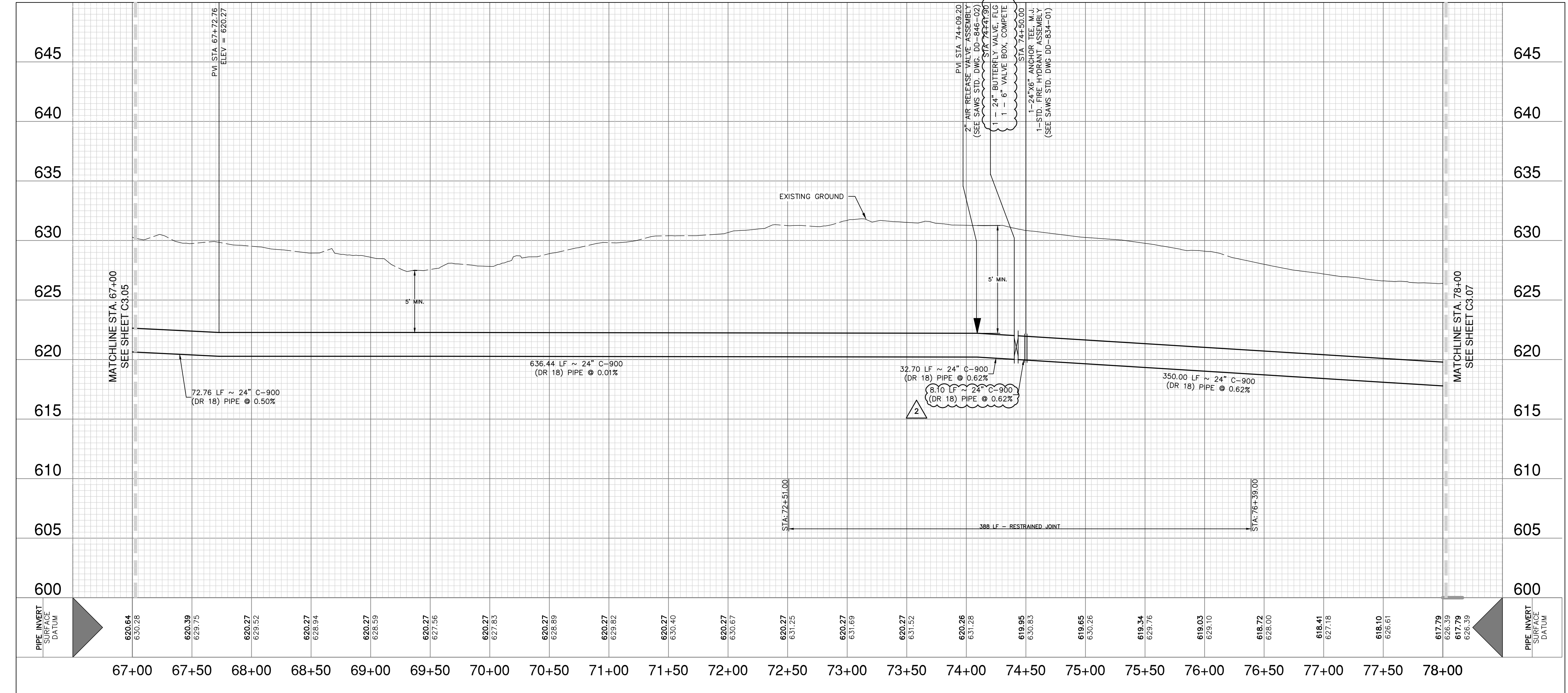
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24" WATER MAIN
STA. 67+00 TO 78+00

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



LEGEND

- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- PROPERTY LINE
- TEMPORARY CONSTRUCTION ESMT
- PERMANENT WATER ESMT
- STEEL CASING
- CONCRETE ENCASEMENT
- CITY LIMITS

QUANTITY TABLE

ITEM	DESCRIPTION	UNIT	QTY
507	FENCE GATE 16' TYPE 1	EA	1
550	TRENCH EXCAVATION PROTECTION	LF	1100
818	24" INCH PVC C-900 (DR 18) PIPE	LF	1100
828	24" BUTTERFLY VALVE, FLG W/ 6" VALVE BOX, COMPLETE	EA	1
834	STANDARD FIRE HYDRANT ASSEMBLY	EA	1
846	2" COMBINATION A.R.V. ASSEMBLY	EA	1

CPS UTILITY NOTE

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**WATER: SAWS PRESSURE ZONE 828
LUENSMANN OFF-SITE WATER MAIN EXTENSION PHASE 1**

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Address: 17319 SAN PEDRO AVE, STE 140
City: SAN ANTONIO State: TEXAS ZIP: 78232
Phone# (210) 899-5124 FAX# N/A
210564,212564,214564,214566,216566,216568,226572
SAWS Block Map# 216570,216572,218572,220572,222572,224572 Total Acreage 48.81
Total Linear Footage of Pipe 5 LF=12" PVC, 162 LF=18" PVC, 15,378 LF=24" PVC Plat No./N/A
Number of Lots N/A TOTAL EDU'S N/A SAWS JOB NO. 23-1043

NO.	REVISION	DATE
1 <td>ADDENDUM 1 <td>11/07/23</td> </td>	ADDENDUM 1 <td>11/07/23</td>	11/07/23
2 <td>ADDENDUM 2 <td>11/21/23</td> </td>	ADDENDUM 2 <td>11/21/23</td>	11/21/23



PAPE-PAWSON ENGINEERS
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LUENSMANN OFF-SITE WATER MAIN EXTENSION (PHASE 1)
BEXAR COUNTY, TEXAS
WATER MAIN PLAN AND PROFILE
STA 67+00 TO 78+00

PLAT NO.	
JOB NO.	12473-09
DATE	MARCH 2023
DESIGNER	CD
CHECKED	MP DRAWN CD
SHEET	C3.06

Date: Nov 01, 2023, 6:17am User ID: ccmw@pape.com
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24" C-900 (DR 18) PVC PIPE

RESTRAINED JOINT NOTE

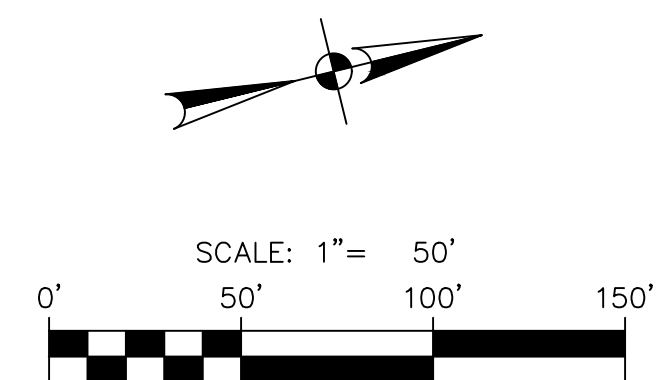
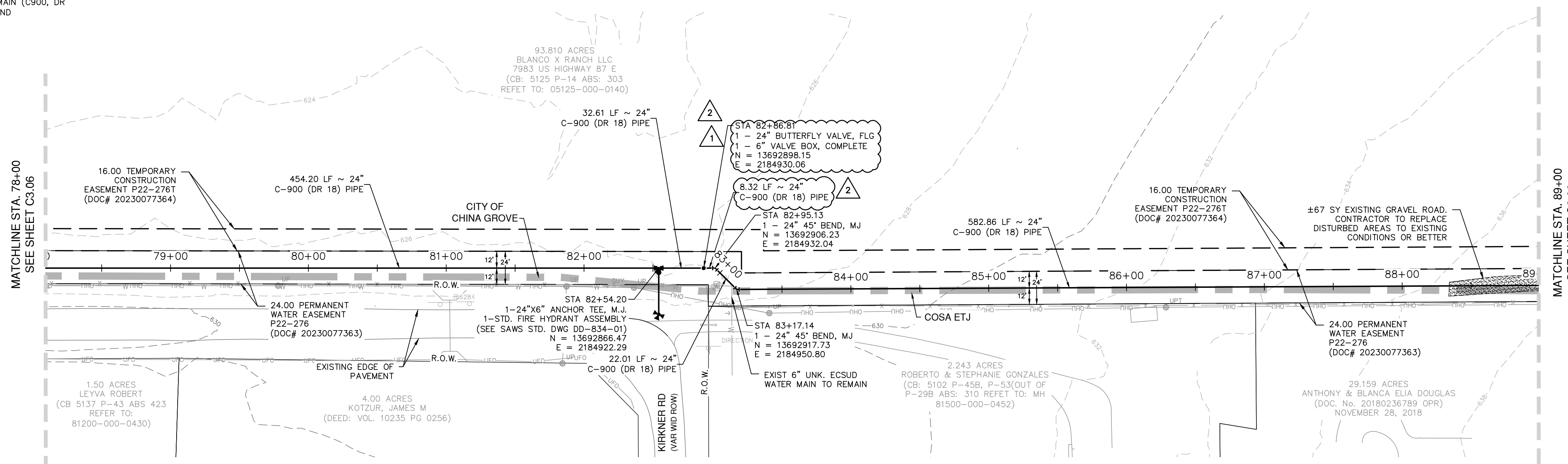
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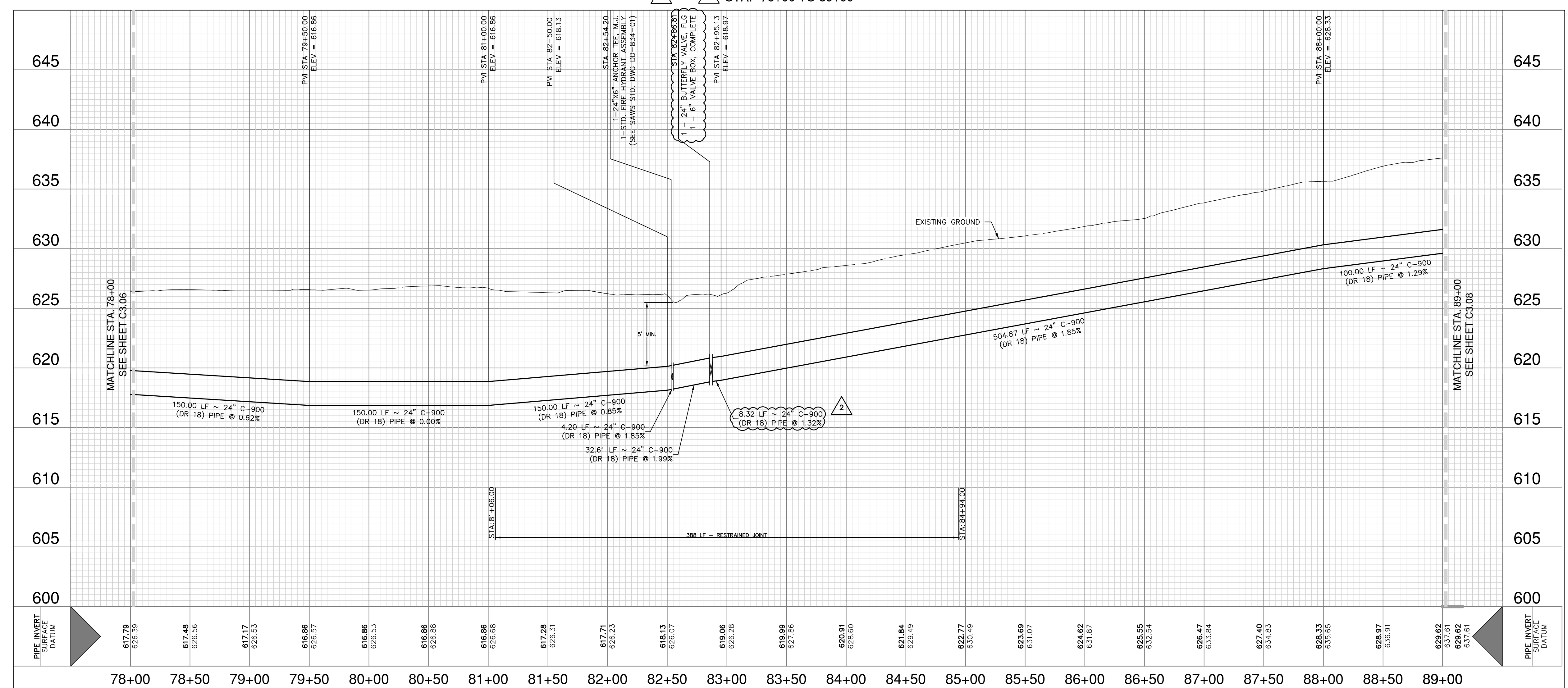
PROPOSED WATER MAIN	---
EXISTING WATER MAIN	---
PROPERTY LINE	---
TEMPORARY CONSTRUCTION ESMT	---
PERMANENT WATER ESMT	---
STEEL CASING	---
CONCRETE ENCASEMENT	---
CITY LIMITS	---

QUANTITY TABLE

ITEM	DESCRIPTION	UNIT	QTY
503.5	GRAVEL DRIVEWAY	SY	67
550	TRENCH EXCAVATION PROTECTION	LF	1100
818	24-INCH PVC C-900 (DR 18) PIPE	LF	1100
828	24" BUTTERFLY VALVE, FLG W/ 6" VALVE BOX, COMPLETE	EA	1
834	STANDARD FIRE HYDRANT ASSEMBLY	EA	1
836	DUCTILE IRON FITTINGS	TON	0.44

24" WATER MAIN STA. 78+00 TO 89+00

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Number of Lots N/A TOTAL EDU'S N/A SAWS JOB NO. 23-1043

DATE: 11/07/23
NO. REVISION: 1
ADDENDUM 1
2
ADDENDUM 2

Jason T. Diamond
11-21-23

PAPE-DAWSON ENGINEERS

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LUENSMANN OFF-SITE WATER MAIN EXTENSION (PHASE 1)

BEXAR COUNTY, TEXAS
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