



**Stonehill Offsite Water Extension Phase II**  
**Solicitation Number: CO-00719**  
**Job No.: 23-7003**

**ADDENDUM 4**  
**December 4, 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.

**CHANGES TO THE PLANS**


1. Remove sheets C3.03 to C3.07 in their entirety and replace with the versions included with this addendum. Joint restraint lengths have been recalculated and revised.

**END OF ADDENDUM**

This Addendum, including this one (1) page, is sixteen (16) pages with attachments in its entirety.

Attachments:

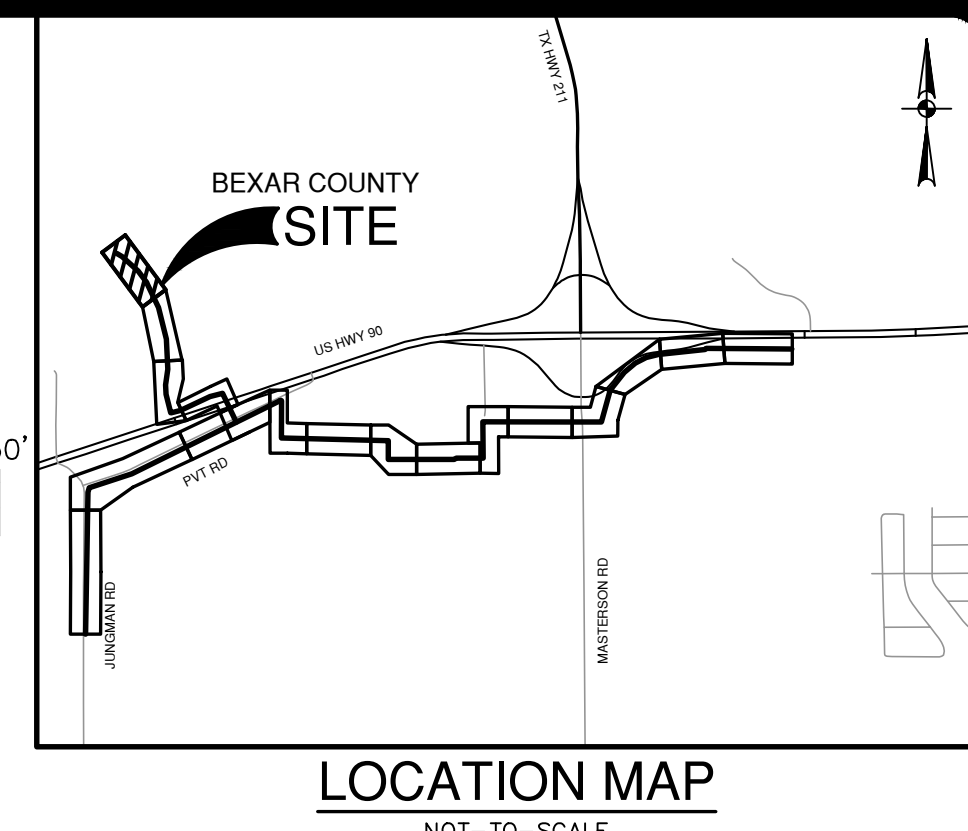
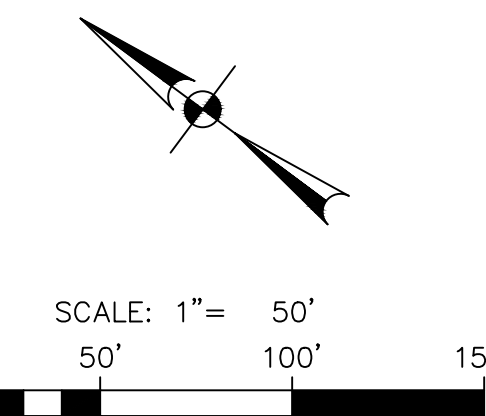
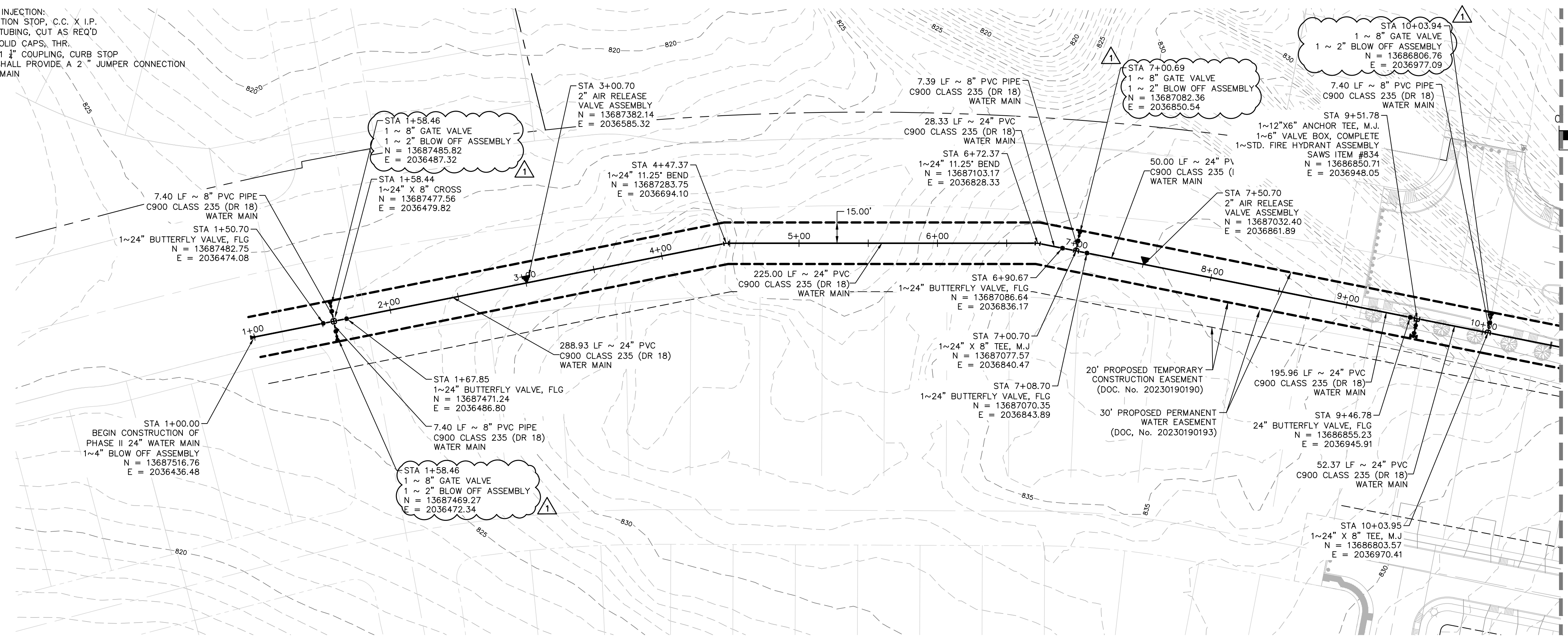
Sheets C3.03 - C3.17 (15 pages)



*Jason T. Diamond*  
12/4/2023

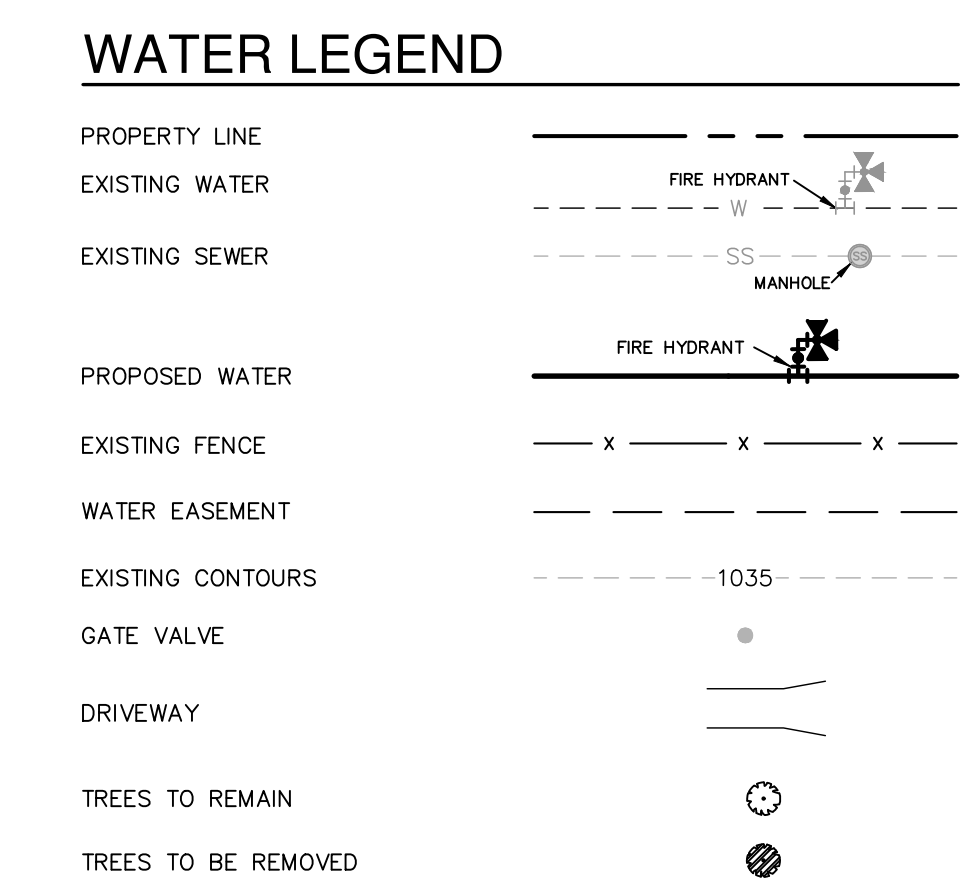
**DISINFECTION AND CONNECTION NOTES:**

FOR CHLORINE INJECTION:  
 2-1" CORPORATION STOP, C.C. X LP.  
 2-1" COPPER TUBING, CUT AS REQ'D.  
 2-1 1/2" THD. SOLID CAPS, THR.  
 2-1" COMP X 1 1/2" COUPLING, CURB STOP  
 CONTRACTOR SHALL PROVIDE A 2" JUMPER CONNECTION  
 TO LOAD NEW MAIN



**QUANTITY TABLE**

ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	1464
818	8" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	30
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	1050
828	8" GATE VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	1
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	5
844	2" FIRE HYDRANT ASSEMBLY	EA	1
844	4" TEMPORARY BLOW-OFF ASSEMBLY	EA	1
844	2" TEMPORARY BLOW-OFF ASSEMBLY	EA	4
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1



**CAUTION UNDERGROUND UTILITIES**

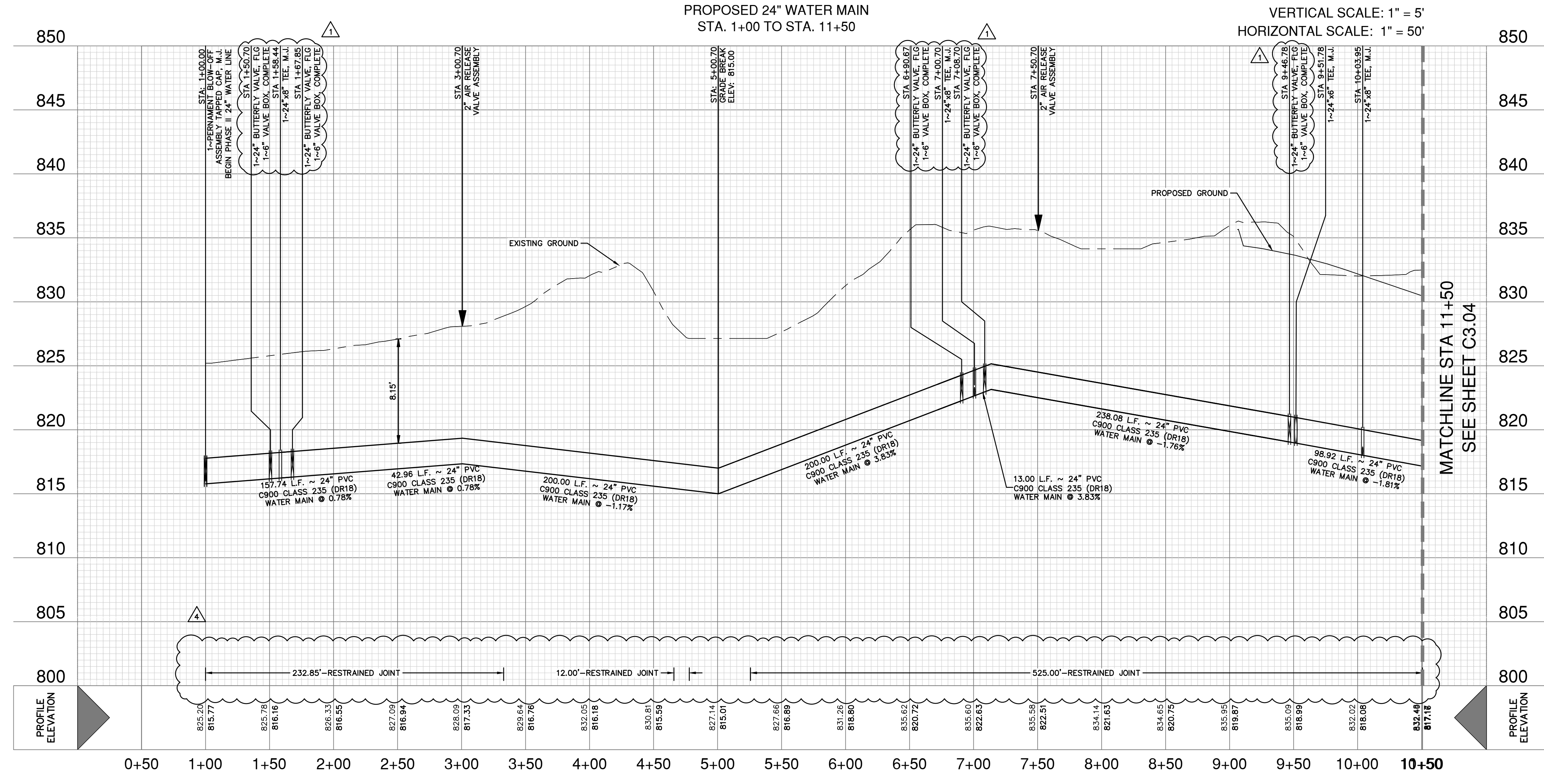
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR 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 CONTRACTORS 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 DESIGN/ GEOTECHNICAL/ SAFETY EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

**WATER: SAWS PRESSURE ZONE 930**  
 STONEHILL OFF-SITE WATER EXTENSION

Developer's Name: DR HORTON  
 Address: 211 NORTH LOOP 1604, SUITE 130  
 City: SAN ANTONIO State: TEXAS Zip: 78232  
 Phone: (210) 498-2668 FAX: N/A  
 Saws Block Map #: 076558\_074558  
 Total Linear Footage of Pipe: 4,765 LF ~ 16" PVC WATER Total Acreage: 8.14  
 Phase I ~ 15,036 LF ~ 24" PVC WATER Plat No. N/A  
 Number of Lots: N/A TOTAL EDU'S: N/A SAWS JOB NO: 23-7003



DATE: 11/20/2023  
 12/01/2023

NO. REVISION  
 1 ADDENDUM 1  
 2 ADDENDUM 4



**PAPE-DAWSON ENGINEERS**  
 2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

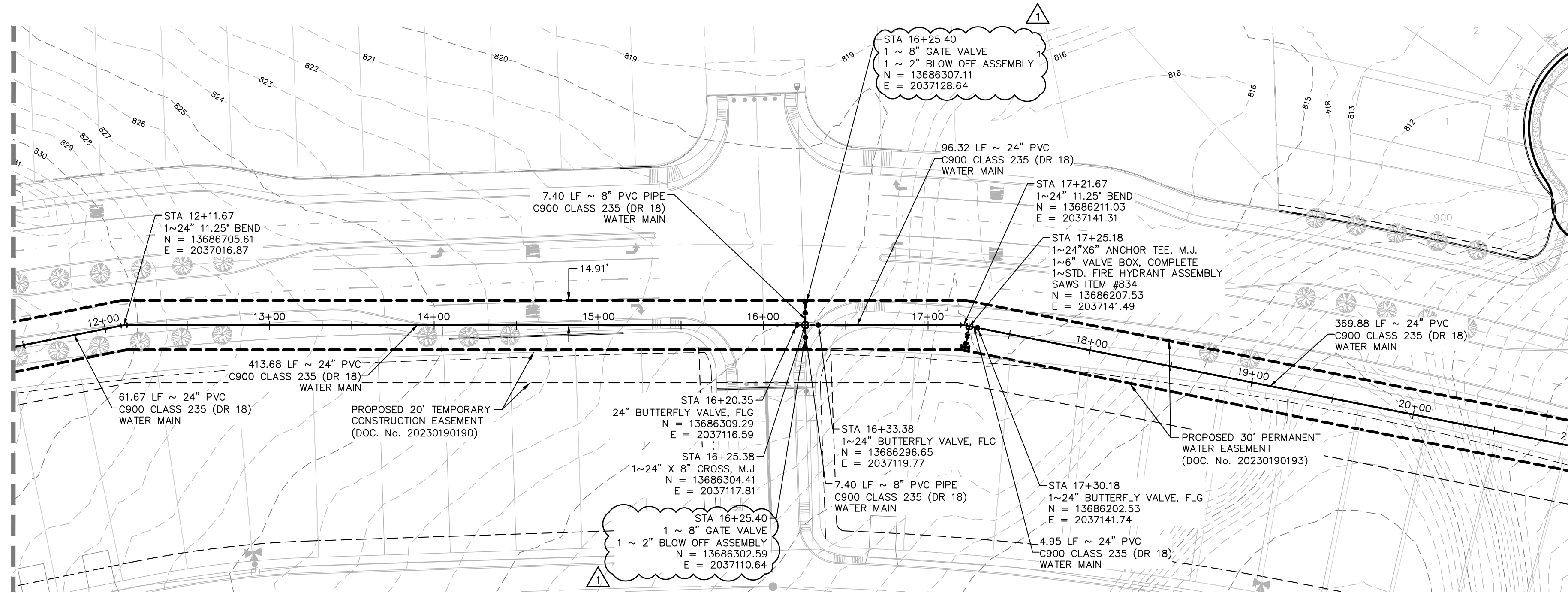
**STONEHILL OFF-SITE WATER EXTENSION**  
 BEXAR COUNTY, TEXAS

PHASE II - WATER MAIN PLAN AND PROFILE  
 STA. 1+00 TO STA. 11+50

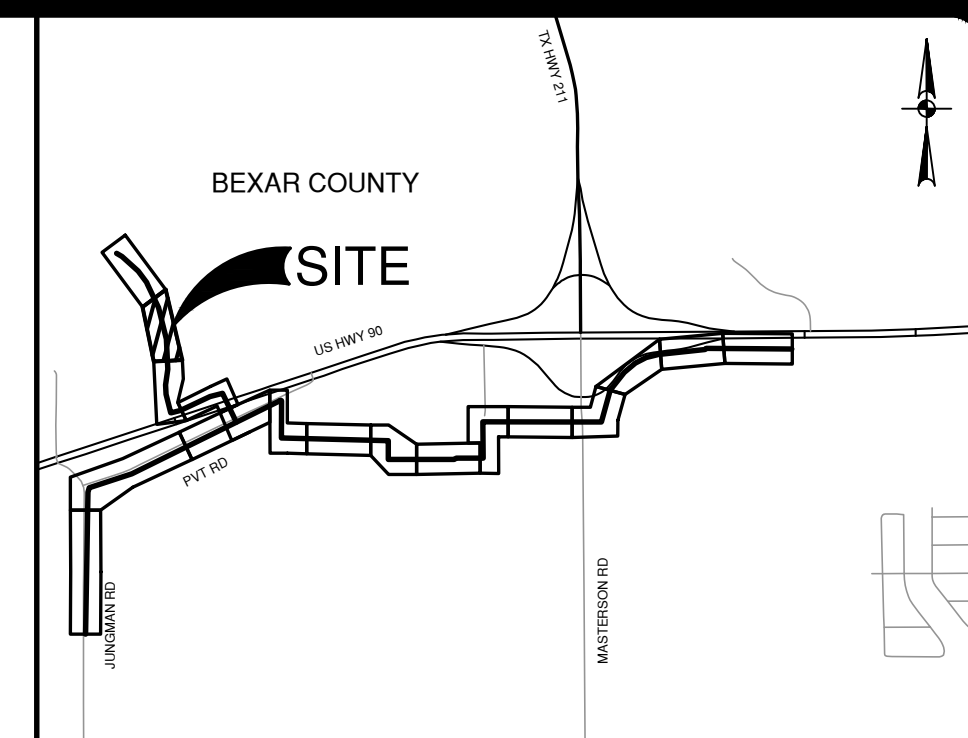
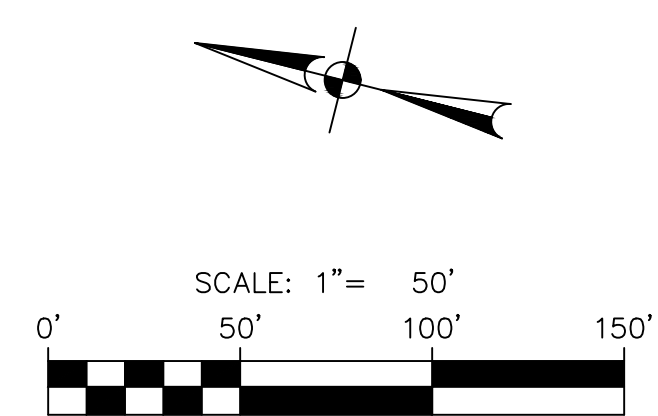
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 JOB NO. 12747-00  
 DATE DECEMBER 2023  
 DESIGNER CN  
 CHECKED SG DRAWN JD  
 SHEET C3.03

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MATCHLINE STA 11+50  
SEE SHEET C3.03



MATCHLINE STA 21+00  
SEE SHEET C3.05



**LOCATION MAP**  
NOT-TO-SCALE

ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	1132
818	8" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	38
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	1050
828	8" GATE VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	1
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	3
834	1-STD. FIRE HYDRANT ASSEMBLY	EA	1
844	2" TEMPORARY BLOW-OFF ASSEMBLY	EA	2

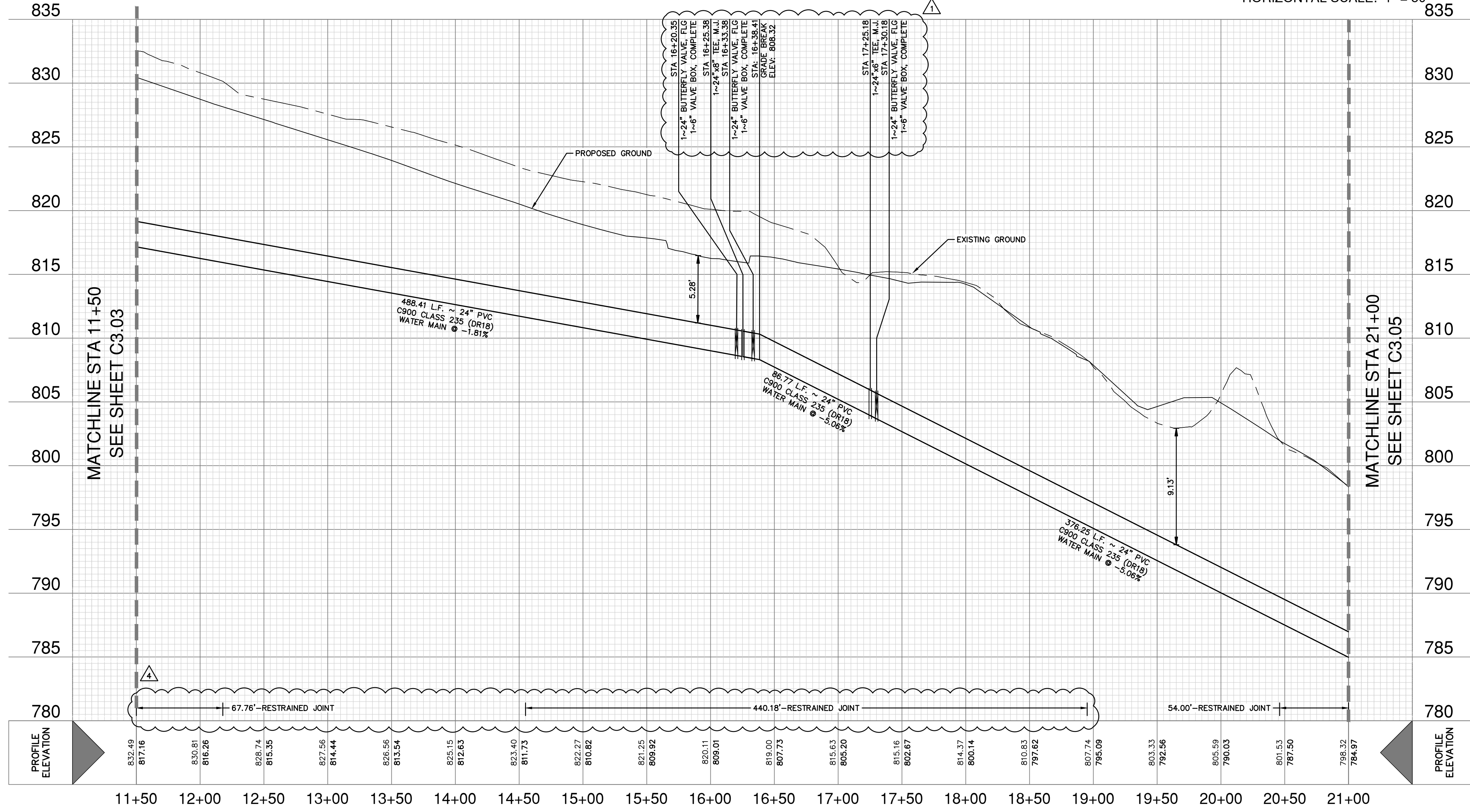
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1	ADDENDUM 1	11/20/2023
2	ADDENDUM 4	12/07/2023



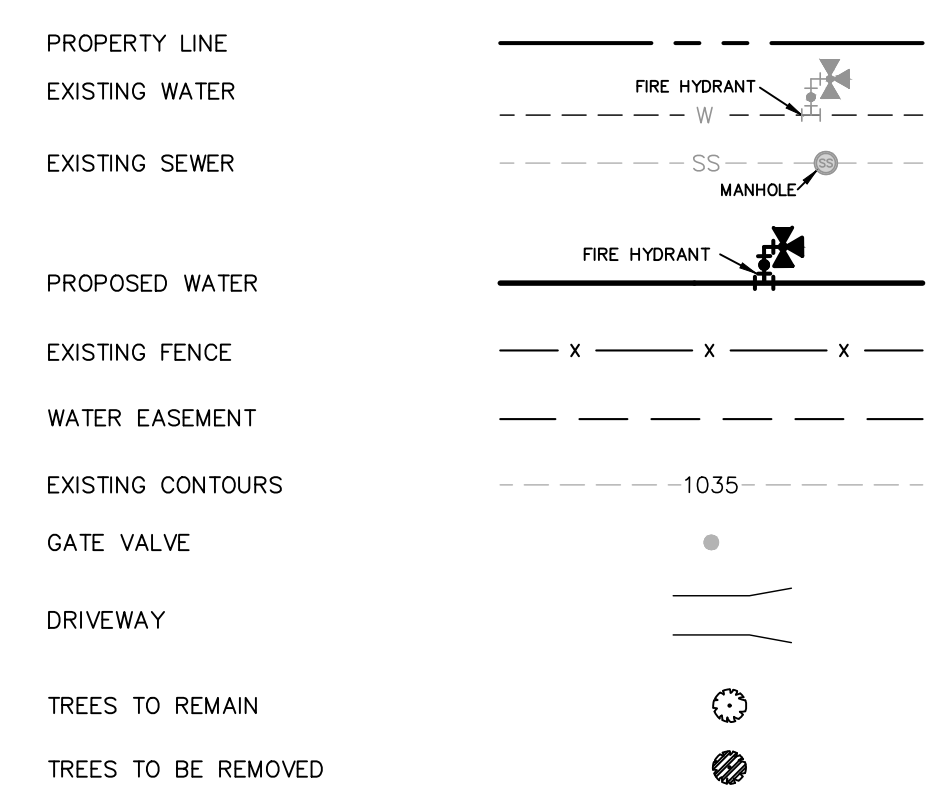
**PAPE-DAWSON ENGINEERS**  
2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

**PROPOSED 24" WATER MAIN  
STA. 11+50 TO STA. 21+00**

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



**WATER LEGEND**



**CAUTION UNDERGROUND UTILITIES**

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**WATER: SAWS PRESSURE ZONE 930  
STONEHILL OFF-SITE WATER EXTENSION**

Developer's Name: DR HORTON  
Address: 211 NORTH LOOP 1604, SUITE 130  
City: SAN ANTONIO State: TEXAS ZIP: 78232  
Phone: (210) 498-2668 FAX: N/A  
Saws Block Map #: 078558-074558  
Total Linear Footage of Pipe PHASE II = 15,036 LF ~ 24" PVC WATER Plat No. N/A  
Number of Lots: N/A TOTAL EDU'S: N/A SAWS JOB NO. 23-7003

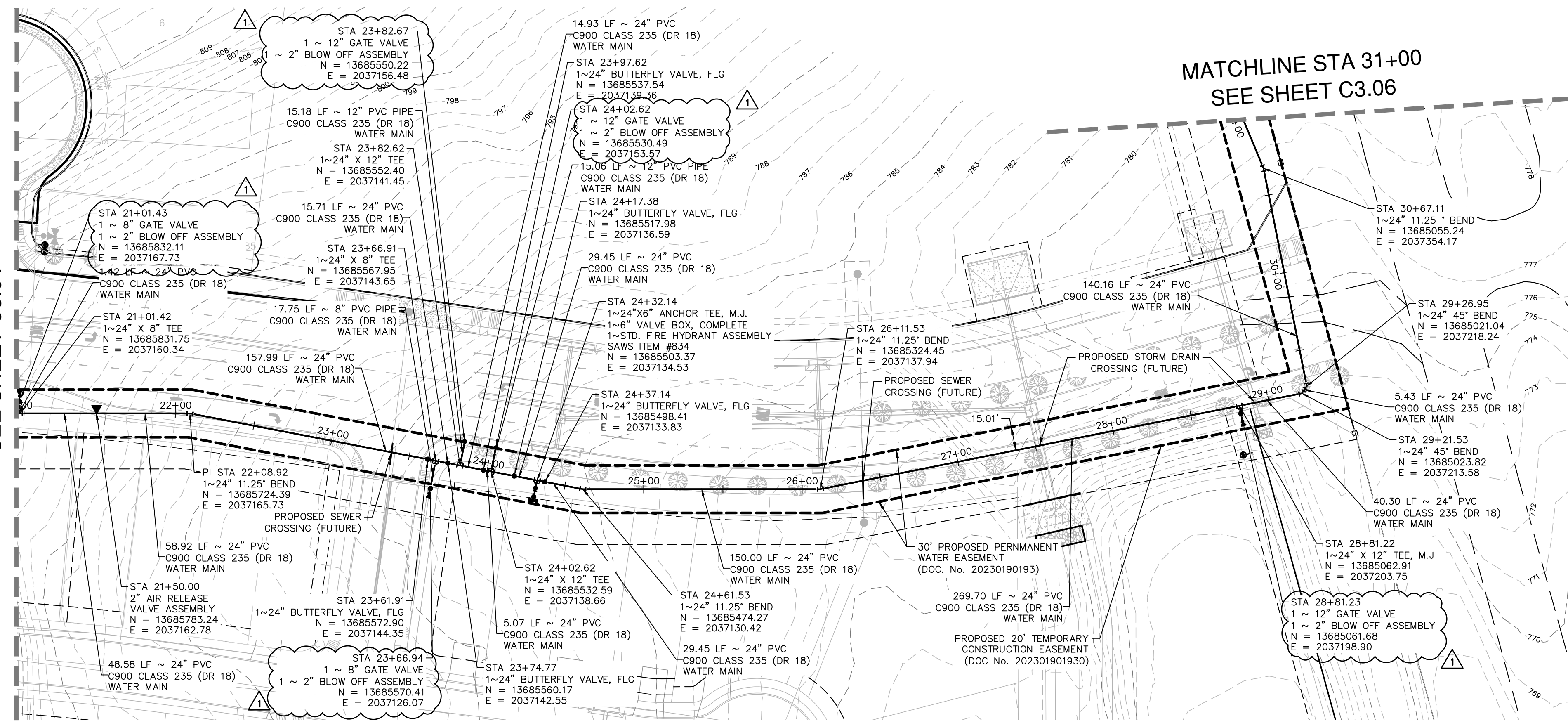
**STONEHILL OFF-SITE WATER EXTENSION**  
BEXAR COUNTY, TEXAS  
PHASE II - WATER MAIN PLAN AND PROFILE  
STA. 11+50 TO STA. 21+00

PLAT NO.	N/A
JOB NO.	12747-00
DATE	DECEMBER 2023
DESIGNER	CN
CHECKED	SG DRAWN JD
SHEET	C3.04

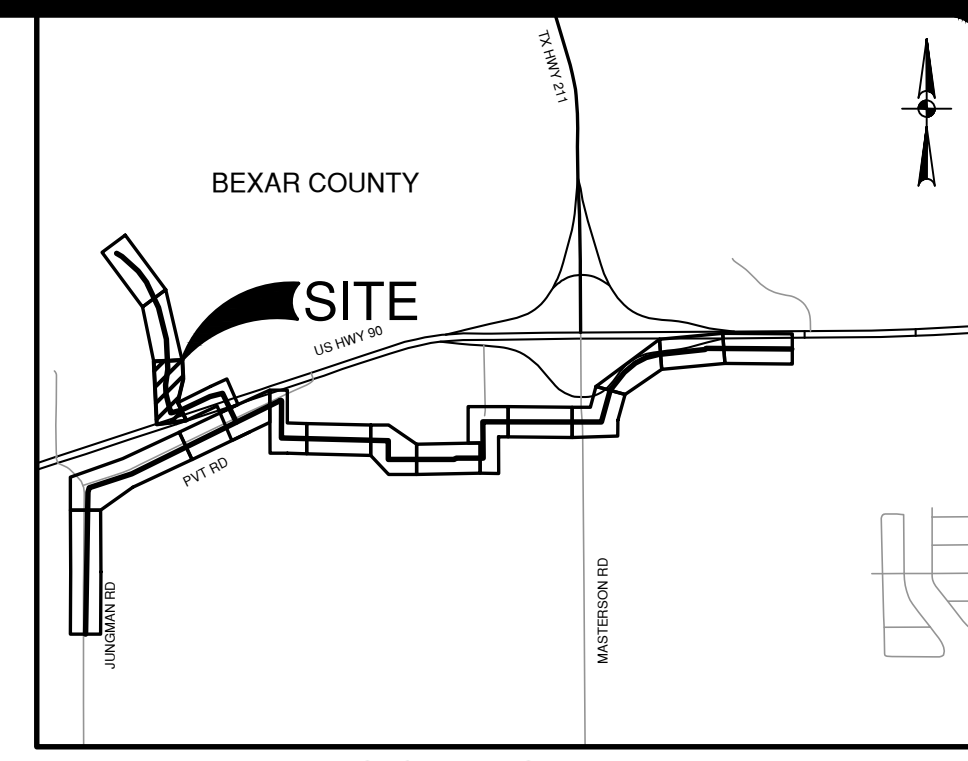
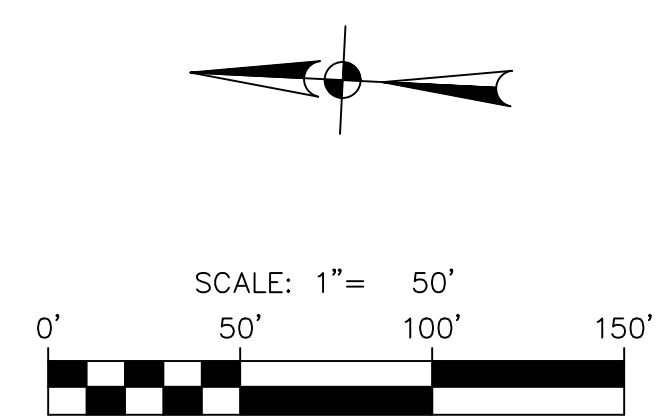
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MATCHLINE STA 21+00  
SEE SHEET C3.04



MATCHLINE STA 31+00  
SEE SHEET C3.06



NO.	REVISION	DATE
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2	ADDENDUM 4	12/07/2023

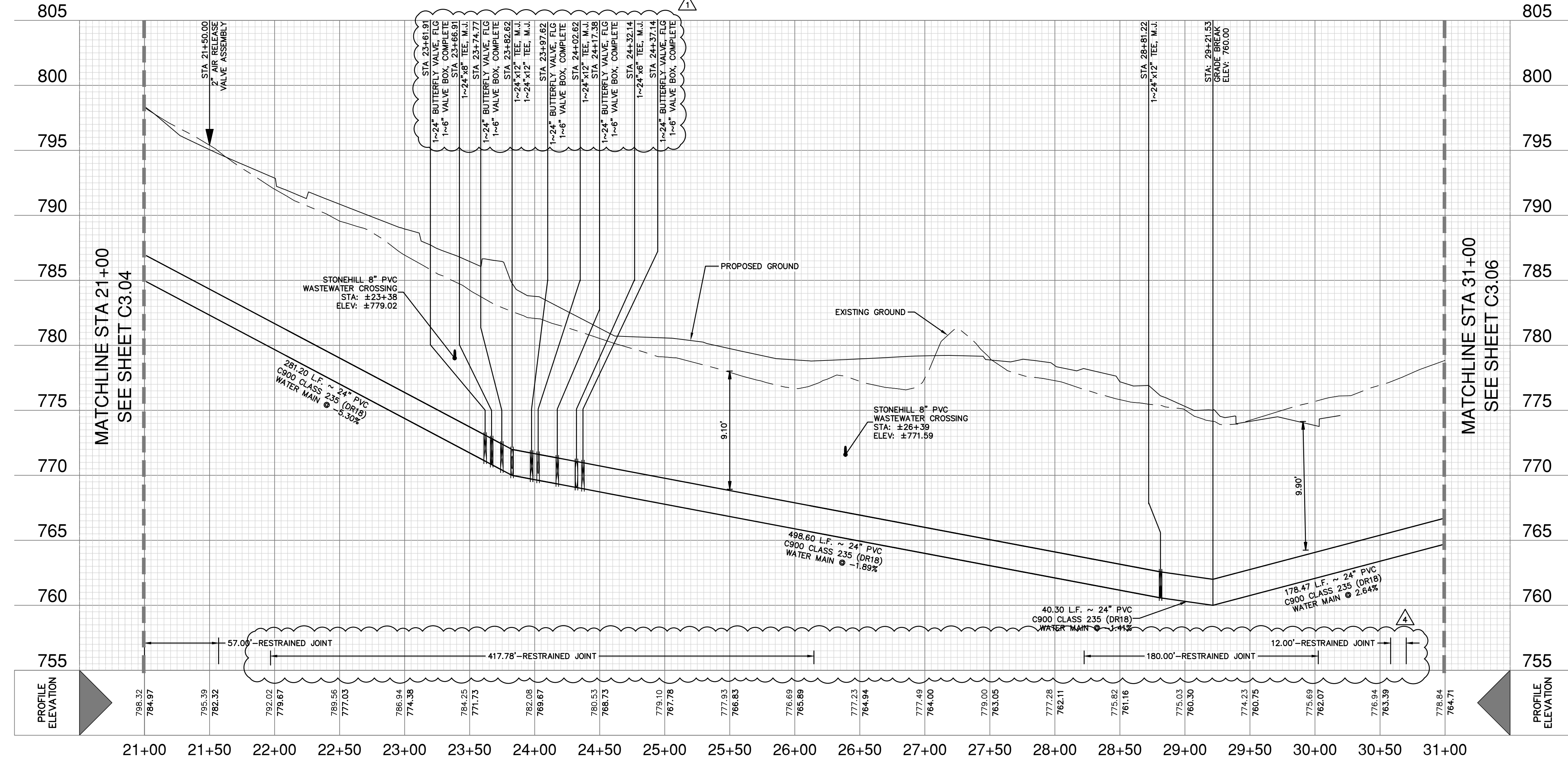


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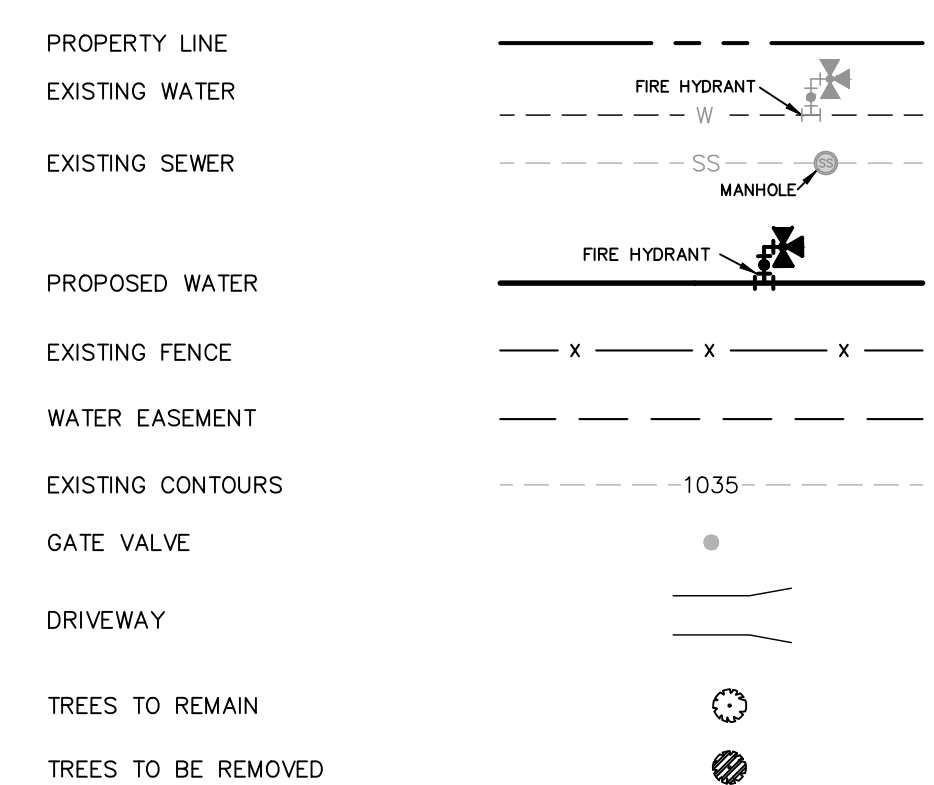
QUANTITY TABLE			
ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	1203
818	8" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	20
818	12" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	183
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	1000
828	8" GATE VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	2
828	12" GATE VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	3
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	6
844	2" TEMPORARY BLOW-OFF ASSEMBLY	EA	5
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1

PROPOSED 24" WATER MAIN  
STA. 21+00 TO STA. 31+00

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



**WATER LEGEND**



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STONEHILL OFF-SITE WATER EXTENSION**

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 Address: 211 NORTH LOOP 1604, SUITE 130  
 City: SAN ANTONIO State: TEXAS Zip: 78232  
 Phone# (210) 498-2668 FAX# N/A  
 SAWS Block Map# 076558\_074558  
 SAWS Block Map# 076558\_074558 PHASE I - 4.765 LF ~ 16" PVC WATER Total Acreage 8.14  
 Total Linear Footage of Pipe PHASE II - 15,036 LF ~ 24" PVC WATER Plat No. N/A  
 Number of Lots N/A TOTAL EDU'S N/A SAWS JOB NO. 23-7003

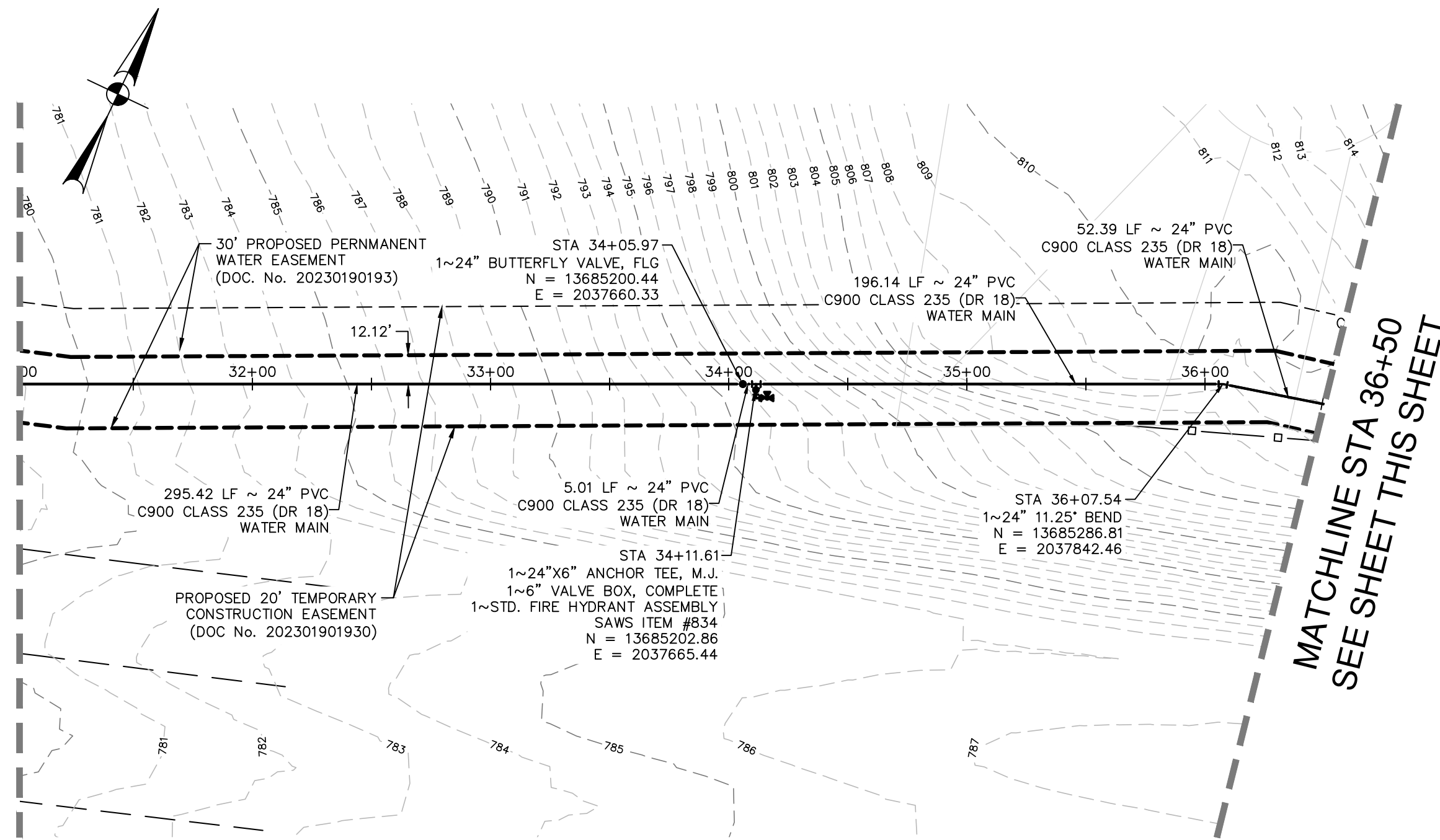
**STONEHILL OFF-SITE WATER EXTENSION**  
 BEXAR COUNTY, TEXAS  
 PHASE II - WATER MAIN PLAN AND PROFILE  
 STA. 21+00 TO STA. 31+00

PLAT NO.	N/A
JOB NO.	12747-00
DATE	DECEMBER 2023
DESIGNER	CN
CHECKED	SG DRAWN JD
SHEET	C3.05

Date: June 1, 2023, 10:27 AM - User ID: crenning  
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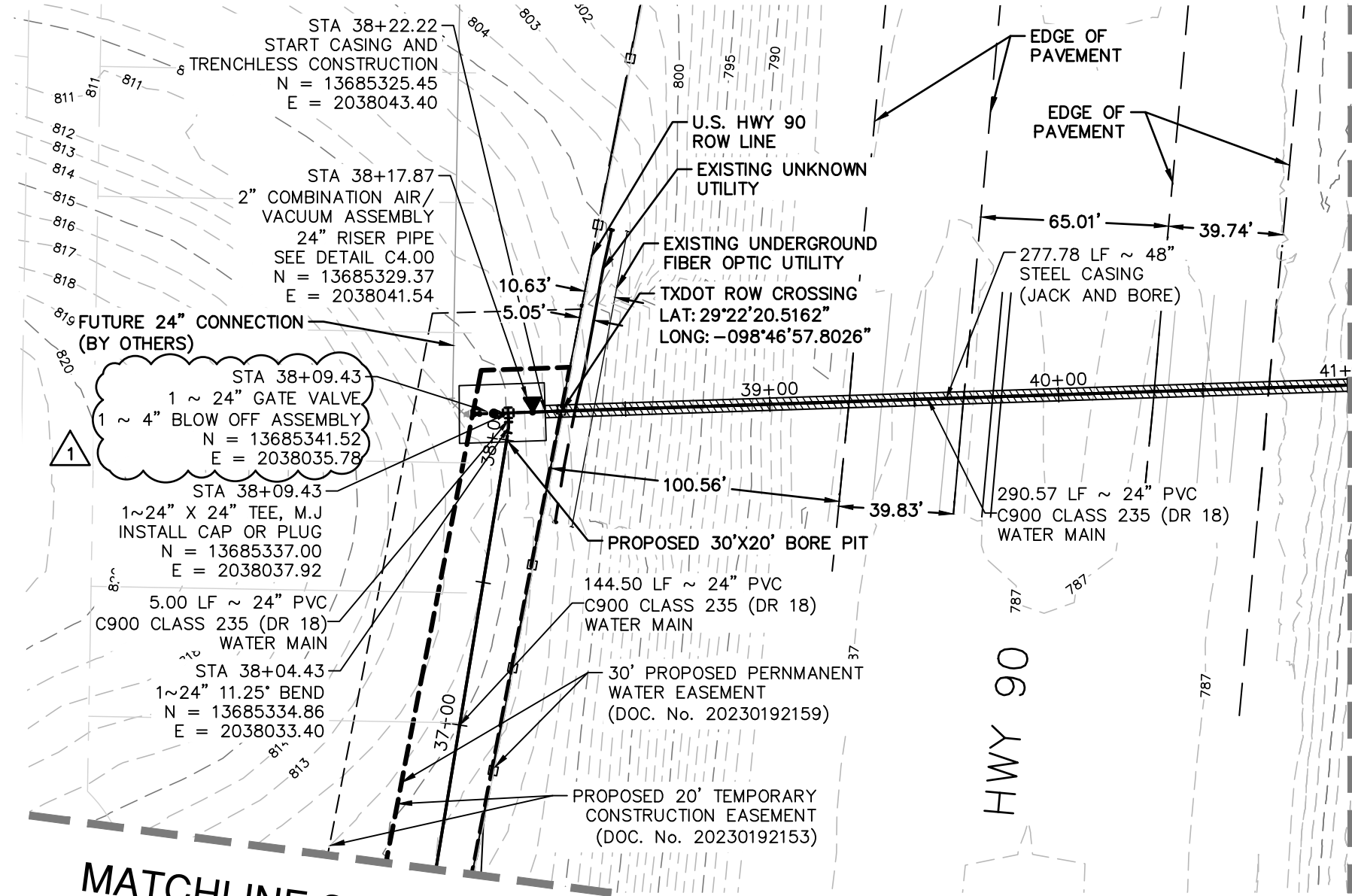
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MATCHLINE STA 31+00  
SEE SHEET C3.05



MATCHLINE STA 36+50  
SEE SHEET THIS SHEET

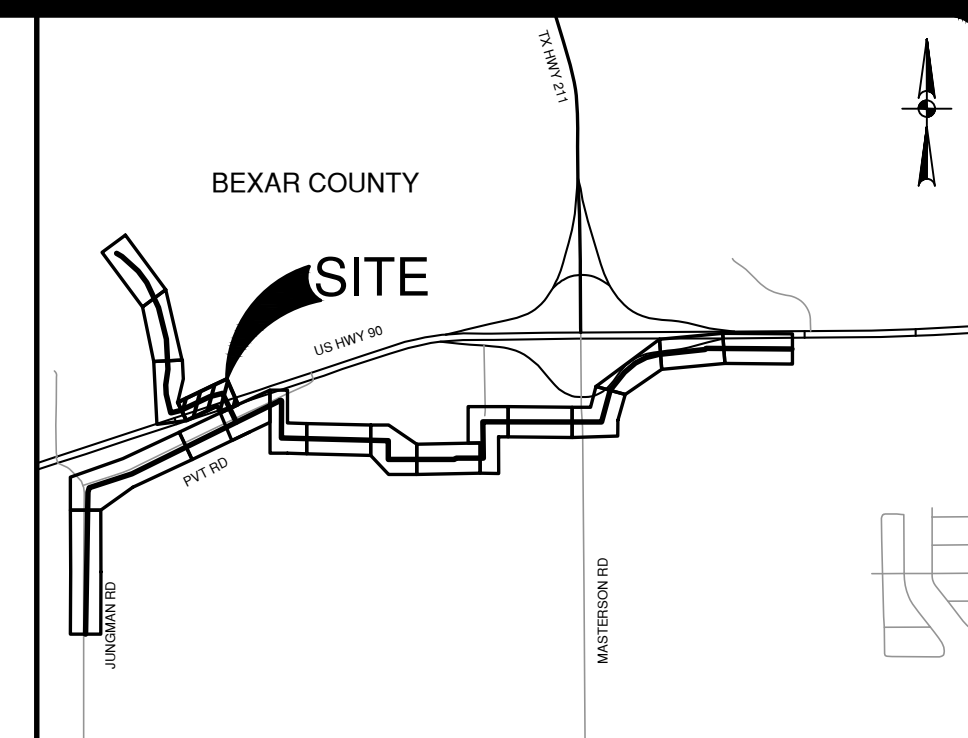
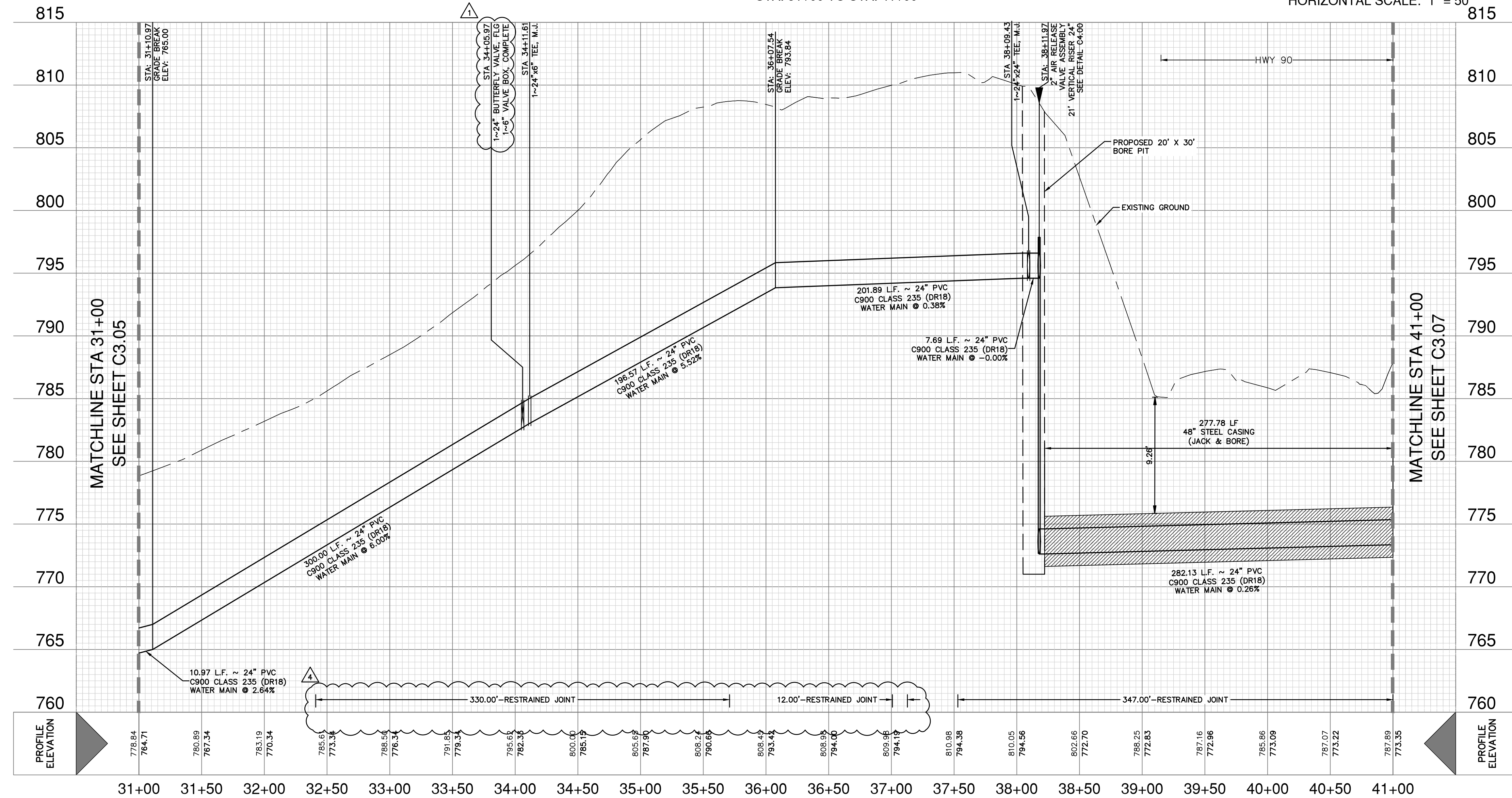
MATCHLINE STA 36+50  
SEE SHEET THIS SHEET



MATCHLINE STA 41+00  
SEE SHEET C3.07

PROPOSED 24" WATER MAIN  
STA. 31+00 TO STA. 41+00

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

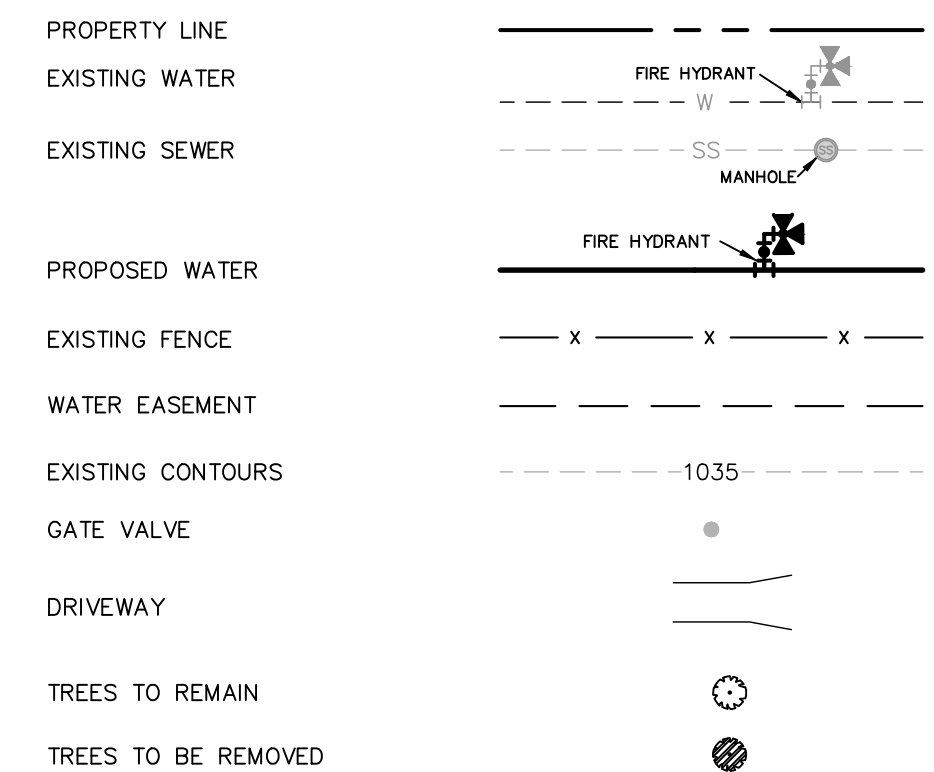


LOCATION MAP  
NOT-TO-SCALE

QUANTITY TABLE

ITEM NO	DESCRIPTION	UNIT	QUANTITY
299	FLOWABLE FILL	CY	137
550	TRENCH EXCAVATION PROTECTION	LF	722
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	722
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	1
834	570-FIBRE HYDRANT ASSEMBLY	EA	1
844	4" BLOW OFF ASSEMBLY	EA	1
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1
856	48" PIPE JACKING	LF	278
856.1	48" STEEL CASING	LF	278
856.2	24" PVC CLASS 235 (DR 18) CARRIER PIPE	LF	278

WATER LEGEND



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STONEHILL OFF-SITE WATER EXTENSION

Developer's Name: DR HORTON	Address: 211 NORTH LOOP 1604, SUITE 130
City: SAN ANTONIO	State: TEXAS ZIP: 78232
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SAWS Block Map# 078558_074558	Phase I - 4.765 LF ~ 16" PVC WATER Total Acreage .814
Total Linear Footage of Pipe PHASE II - 15,036 LF ~ 24" PVC WATER	Plot No. N/A
Number of Lots N/A	TOTAL EDU'S N/A SAWS JOB NO. 23-7003

DATE	11/20/2023
NO.	1
REVISION	ADDENDUM 1
	ADDENDUM 4
	2



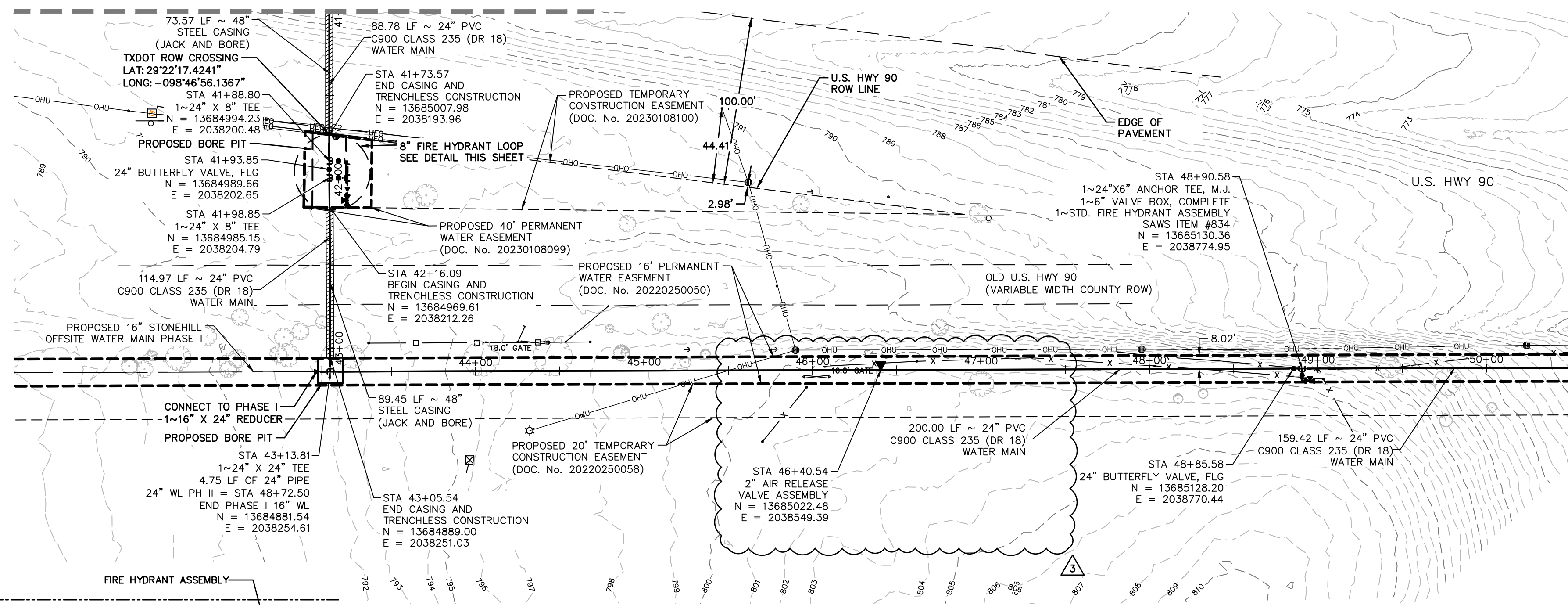
**PAPE-DAWSON ENGINEERS**  
 2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1008800

**STONEHILL OFF-SITE WATER EXTENSION**  
 BEXAR COUNTY, TEXAS

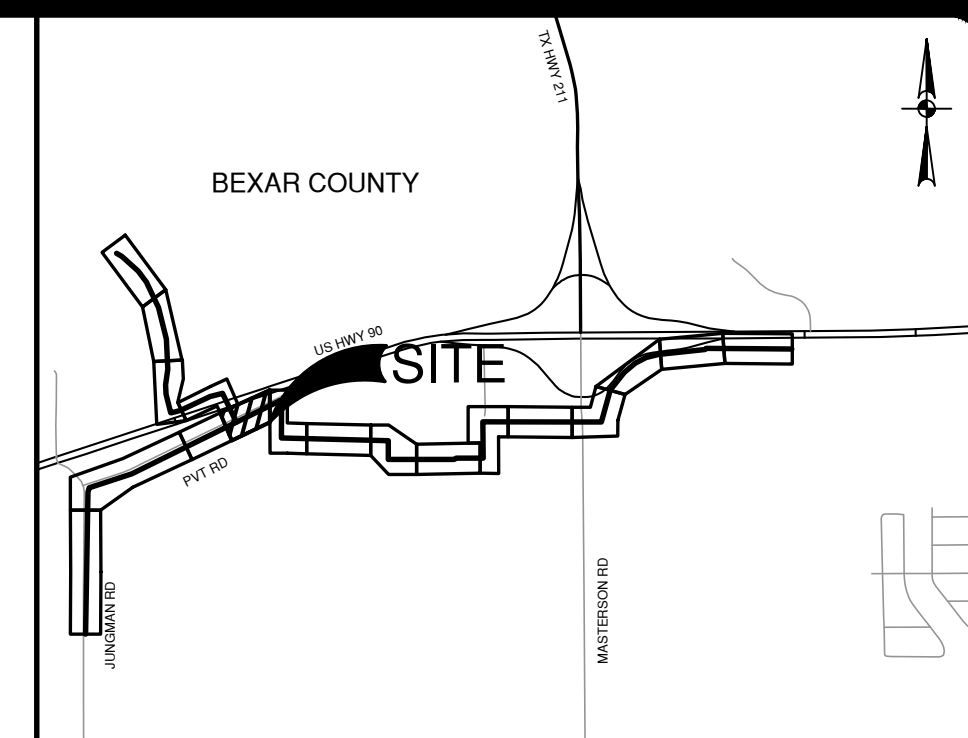
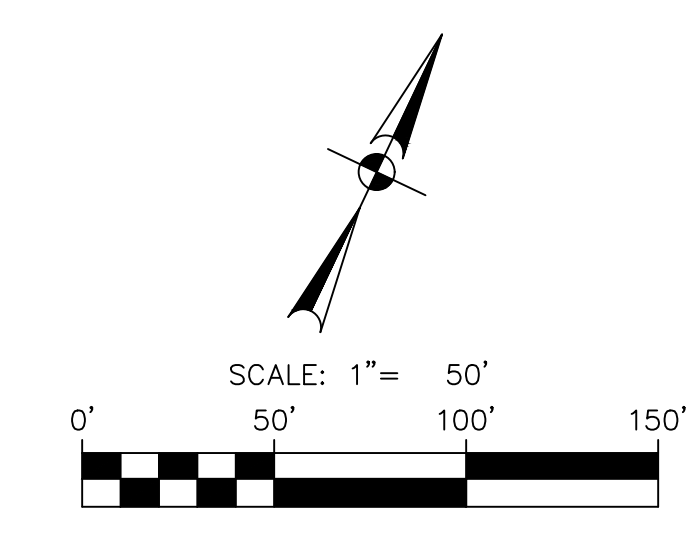
PHASE II - WATER MAIN PLAN AND PROFILE  
 STA. 31+00 TO STA. 41+00

PLAT NO. N/A  
 JOB NO. 12747-00  
 DATE DECEMBER 2023  
 DESIGNER CN  
 CHECKED SG DRAWN JD  
 SHEET C3.06

MATCHLINE STA 41+00  
SEE SHEET C3.06

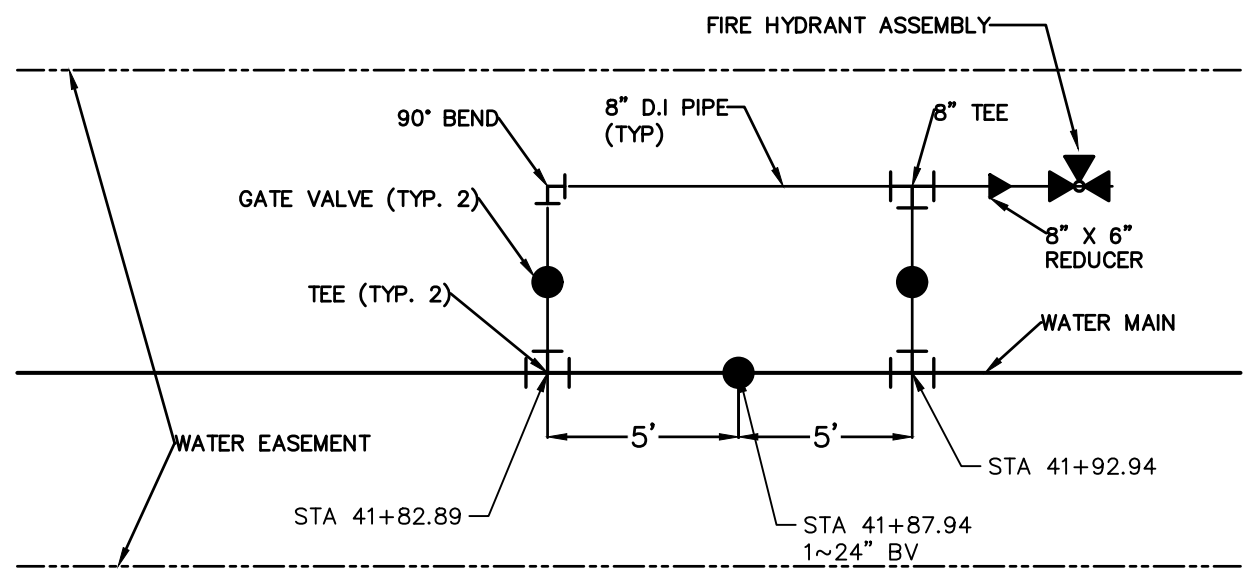


MATCHLINE STA 50+50  
SEE SHEET C3.08



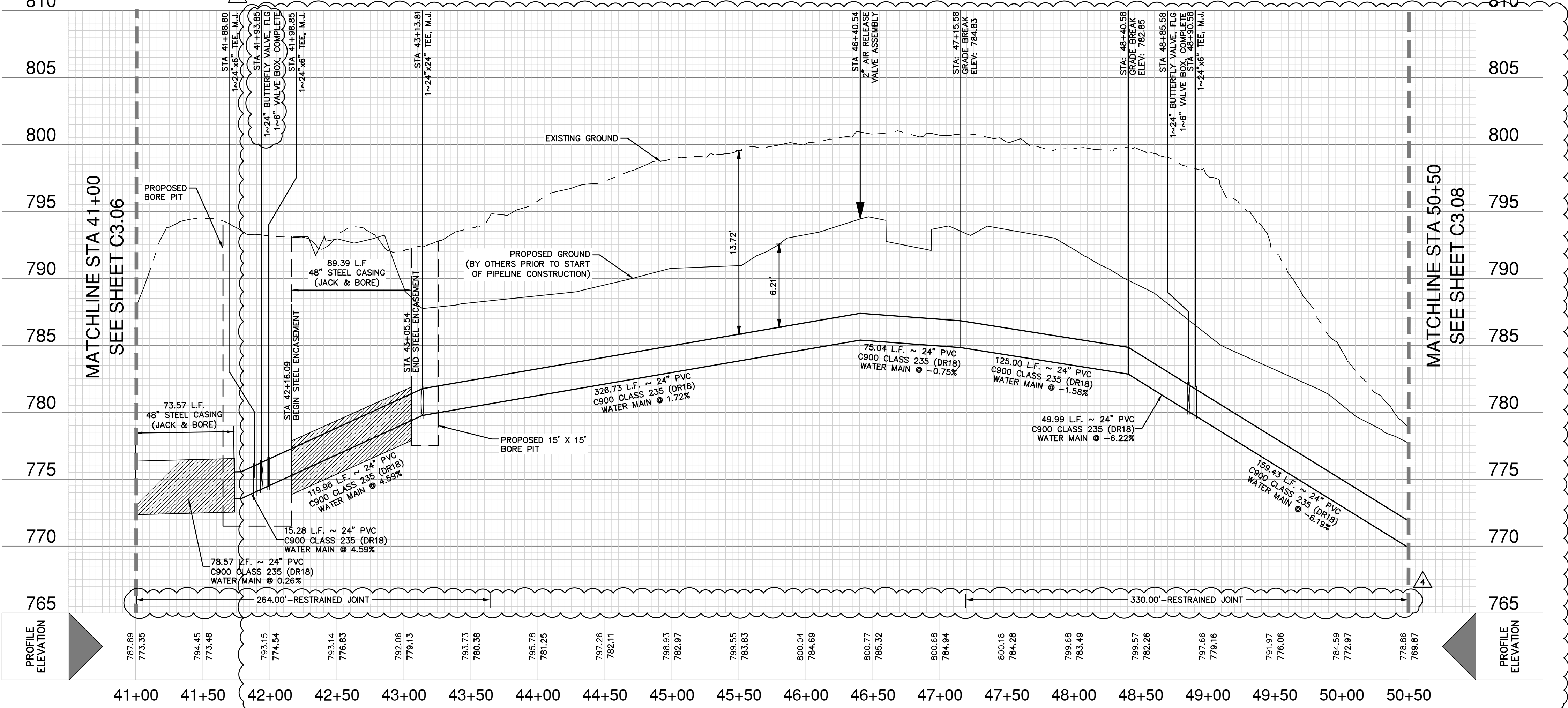
LOCATION MAP  
NOT-TO-SCALE

ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	826
818	8\"/>		



DETAIL "A"

PROPOSED 24" WATER MAIN  
STA. 41+00 TO STA. 50+50  
VERTICAL SCALE: 1" = 5'  
HORIZONTAL SCALE: 1" = 50'



**WATER LEGEND**

- PROPERTY LINE
- EXISTING WATER
- EXISTING SEWER
- PROPOSED WATER
- EXISTING FENCE
- WATER EASEMENT
- EXISTING CONTOURS
- GATE VALVE
- DRIVEWAY
- TREES TO REMAIN
- TREES TO BE REMOVED

**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.

**TRENCH EXCAVATION SAFETY PROTECTION**

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**WATER: SAWS PRESSURE ZONE 930**  
STONEHILL OFF-SITE WATER EXTENSION

Developer's Name: DR. HORTON  
Address: 211 NORTH LOOP 1604, SUITE 130  
City: SAN ANTONIO State: TEXAS ZIP: 78232  
Phone: (210) 498-2668 FAX: N/A  
SAWS Block Map #: 076558, 074558  
Total Linear Footage of Pipe PHASE II = 15,036 LF ~ 24" PVC WATER Plat No. N/A  
Number of Lots: N/A TOTAL EDU'S: N/A SAWS JOB NO. 23-7003

NO.	REVISION	DATE
1	ADDENDUM 1	11/20/2023
2	ADDENDUM 3	11/28/2023
3	ADDENDUM 4	12/07/2023



**PAPE-DAWSON ENGINEERS**

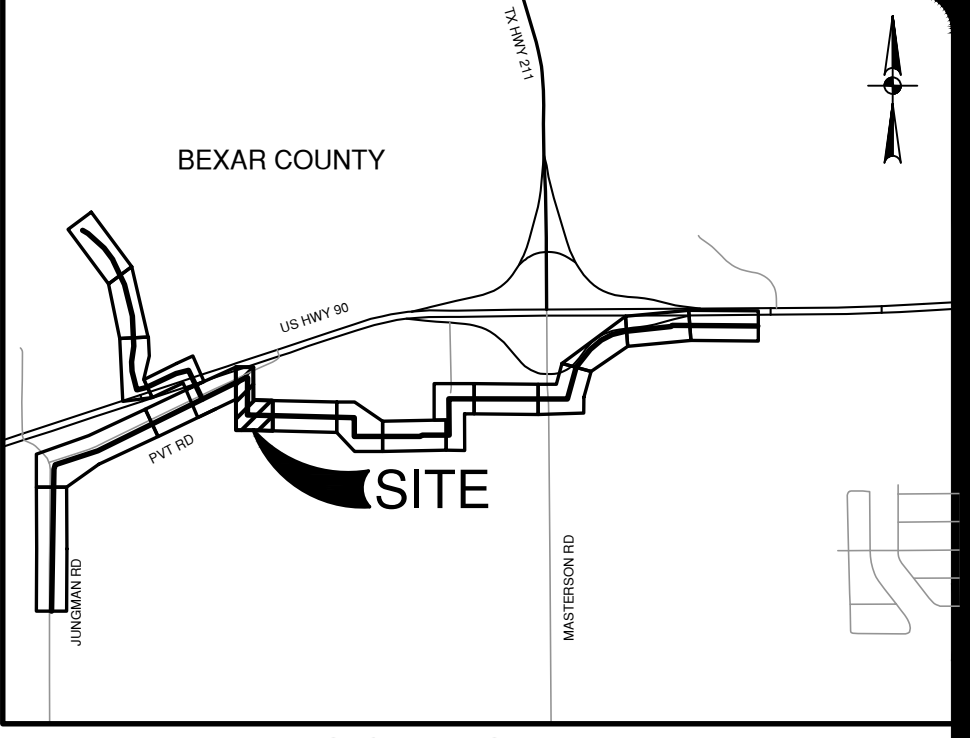
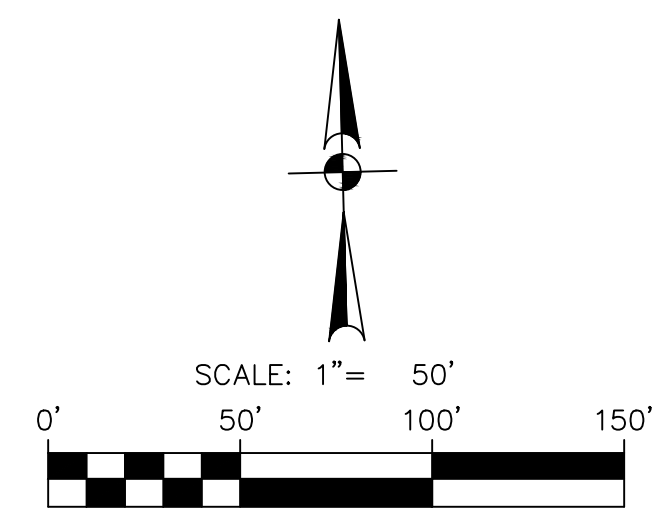
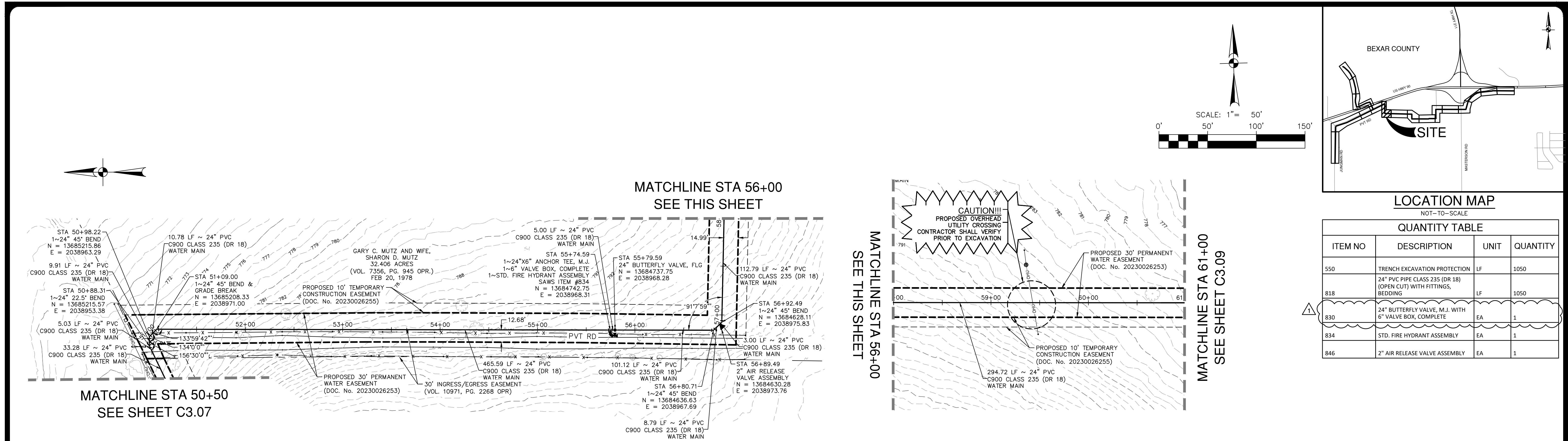
2000 HWY LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

**STONEHILL OFF-SITE WATER EXTENSION**  
BEXAR COUNTY, TEXAS

PHASE II - WATER MAIN PLAN AND PROFILE  
STA. 41+00 TO STA. 50+50

PLAT NO. N/A  
JOB NO. 12747-00  
DATE DECEMBER 2023  
DESIGNER CN  
CHECKED SG DRAWN JD  
SHEET C3.07

Date: June 1, 2023, 10:28 AM - User ID: crenning  
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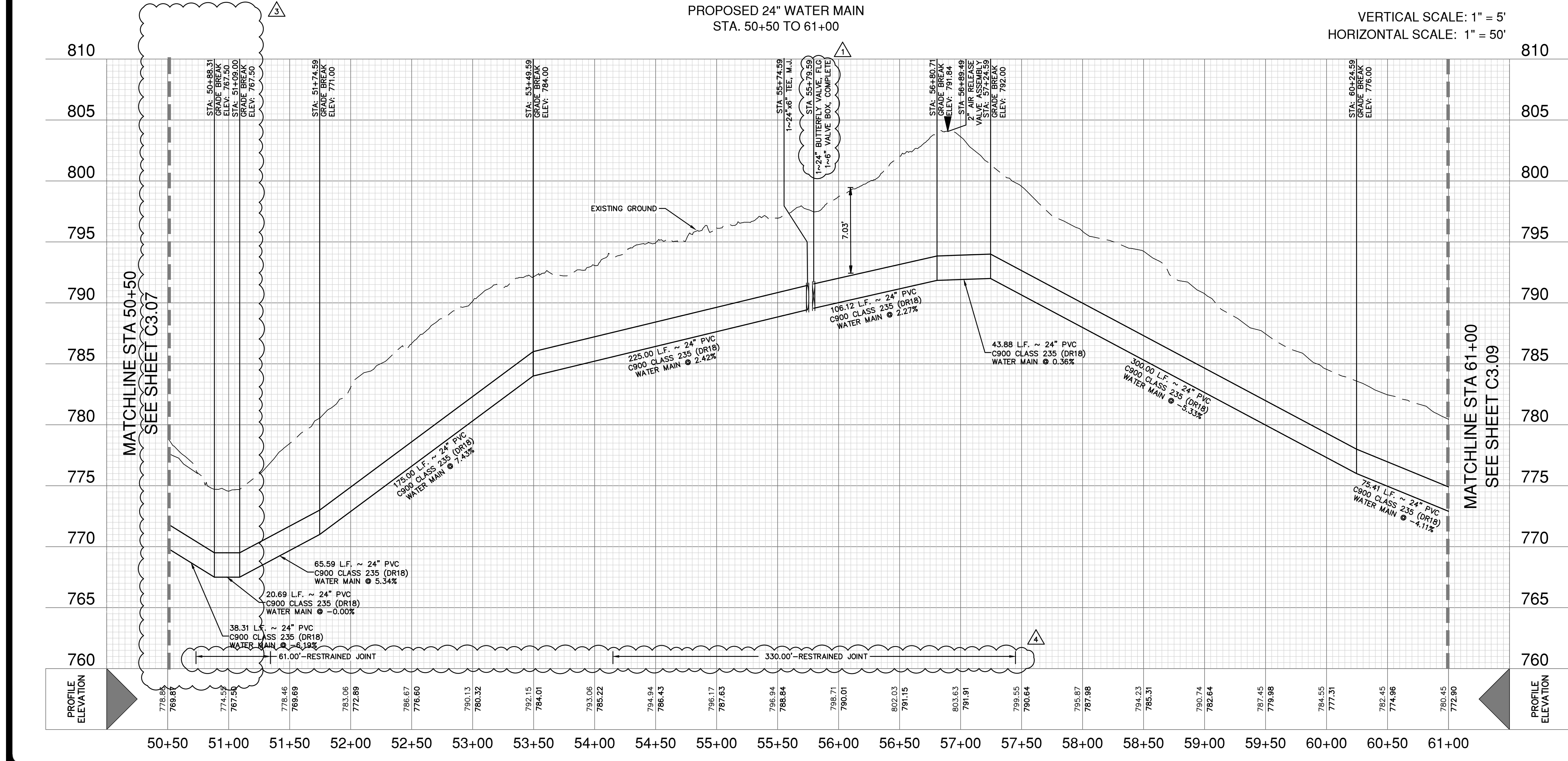


NO.	REVISION	DATE
1	ADDENDUM 1	11/20/2023
2	ADDENDUM 3	11/28/2023
3	ADDENDUM 4	12/07/2023



**PAPE-DAWSON ENGINEERS**  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

QUANTITY TABLE			
ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	1050
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	1050
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	1
834	STD. FIRE HYDRANT ASSEMBLY	EA	1
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1



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

**WATER LEGEND**

- PROPERTY LINE
- EXISTING WATER
- EXISTING SEWER
- PROPOSED WATER
- EXISTING FENCE
- WATER EASEMENT
- EXISTING CONTOURS
- GATE VALVE
- DRIVEWAY
- TREES TO REMAIN
- TREES TO BE REMOVED

**CAUTION UNDERGROUND UTILITIES**

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**TRENCH EXCAVATION SAFETY PROTECTION**

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**WATER: SAWS PRESSURE ZONE 930**  
 STONEHILL OFF-SITE WATER EXTENSION

Developer's Name: DR HORTON  
 Address: 211 NORTH LOOP 1604, SUITE 130  
 City: SAN ANTONIO State: TEXAS Zip: 78232  
 Phone: (210) 496-2668 FAX: N/A  
 SAWS Block Map #: 078558-074558  
 Total Linear Footage of Pipe PHASE II = 15,036 LF ~ 24" PVC WATER Plot No. N/A  
 Number of Lots: N/A TOTAL EDU'S: N/A SAWS JOB NO: 23-7003

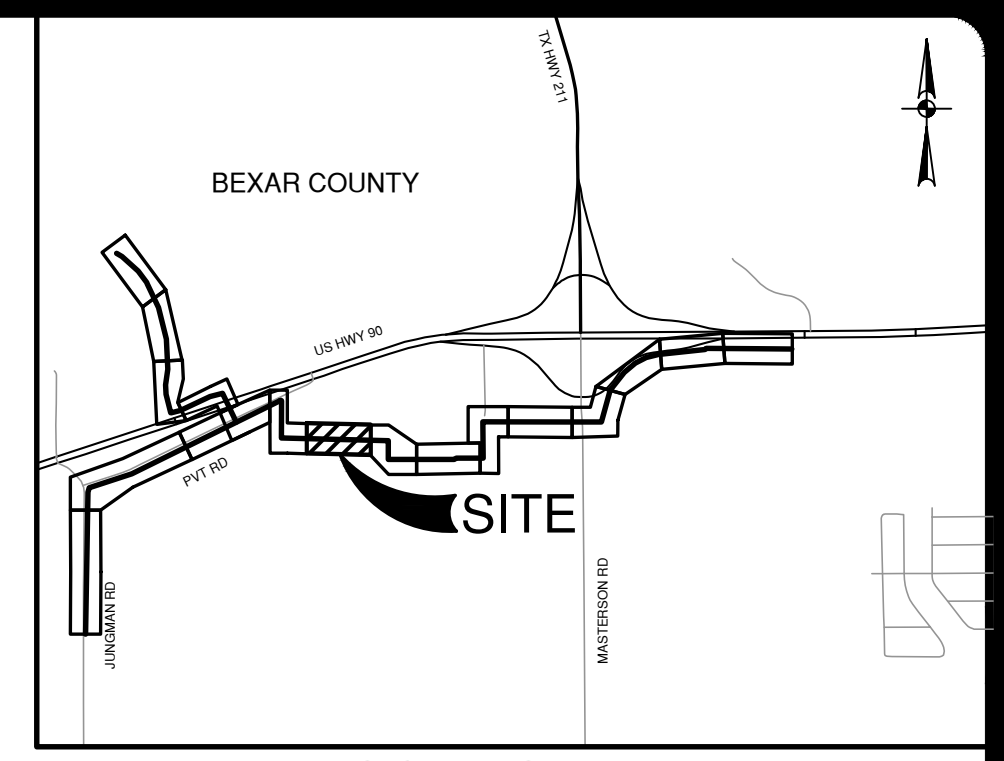
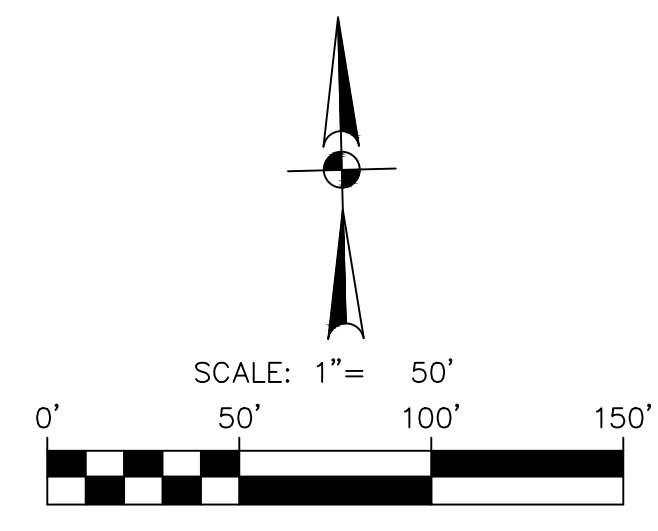
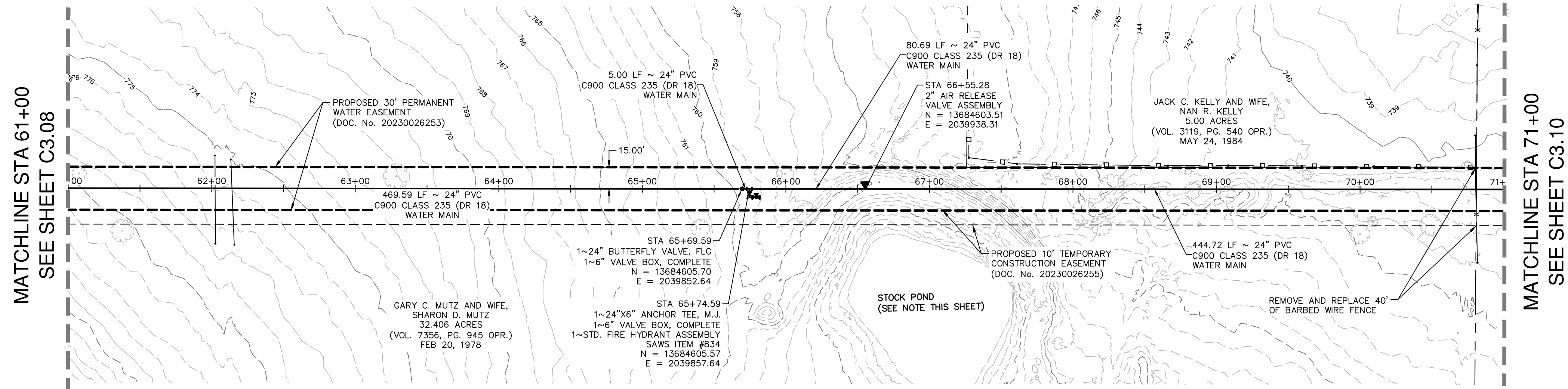
**STONEHILL OFF-SITE WATER EXTENSION**  
 BEXAR COUNTY, TEXAS

PHASE II - WATER MAIN PLAN AND PROFILE  
 STA. 50+50 TO STA. 61+00

PLAT NO. N/A  
 JOB NO. 12747-00  
 DATE: DECEMBER 2023  
 DESIGNER: CN  
 CHECKED: SG DRAWN: JD  
 SHEET: C3.08

**NOTE:**

IF STOCK POND IS HOLDING WATER AT TIME OF CONSTRUCTION, CONTRACTOR SHALL PUMP POND DRY AND IRRIGATE POND WATER DOWNSTREAM SIDE OF POND AWAY FROM CONSTRUCTION AREA. THE COST SHALL BE INCIDENTAL TO PIPE INSTALLATION.



**QUANTITY TABLE**  
NOT-TO-SCALE

ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	1000
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	1000
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	1
834	STD. FIRE HYDRANT ASSEMBLY	EA	1
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1

DATE: 11/20/2023  
12/01/2023

NO.	REVISION
1	ADDENDUM 1
2	ADDENDUM 4

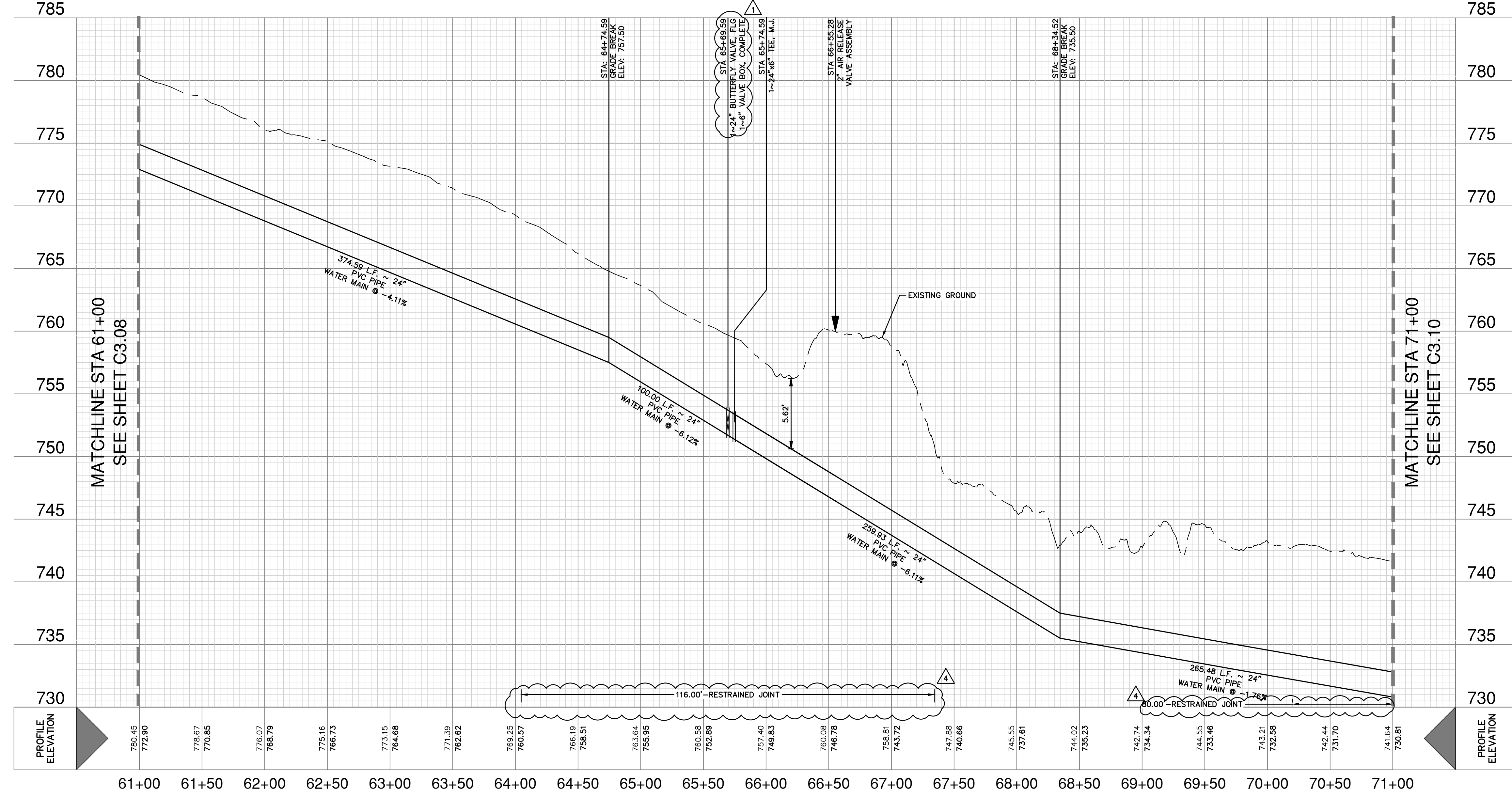


**PAPE-DAWSON ENGINEERS**

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

**PROPOSED 24" WATER MAIN  
STA. 61+00 TO 71+00**

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



**WATER LEGEND**

PROPERTY LINE	---
EXISTING WATER	---
EXISTING SEWER	---
PROPOSED WATER	---
EXISTING FENCE	x x x
WATER EASEMENT	---
EXISTING CONTOURS	-1035
GATE VALVE	○
DRIVEWAY	---
TREES TO REMAIN	○
TREES TO BE REMOVED	○

**CAUTION UNDERGROUND UTILITIES**

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**WATER: SAWS PRESSURE ZONE 930  
STONEHILL OFF-SITE WATER EXTENSION**

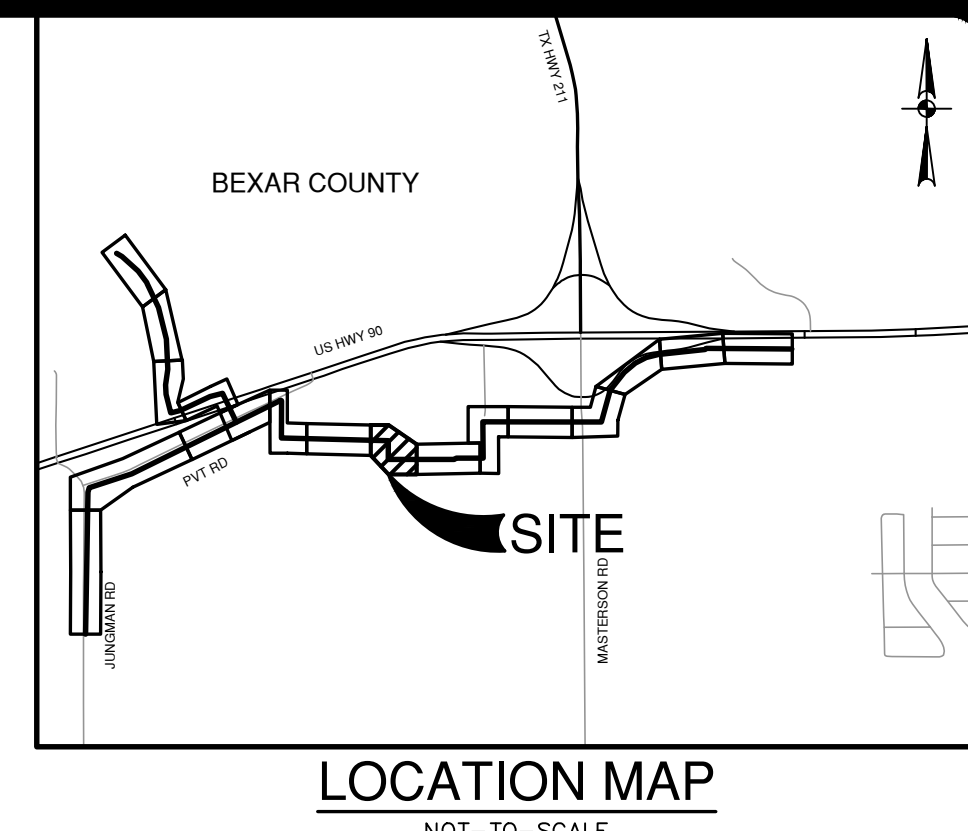
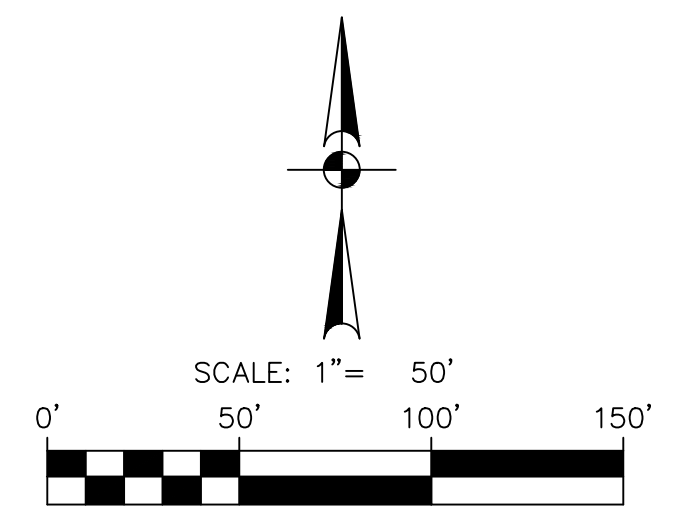
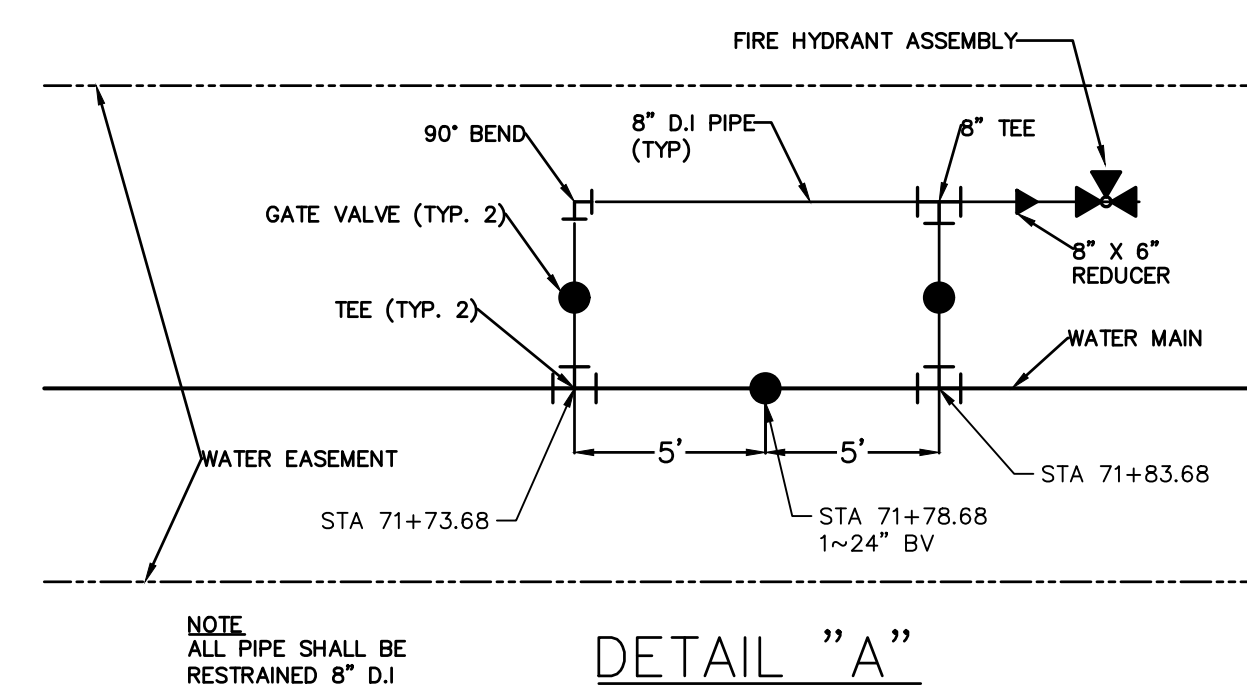
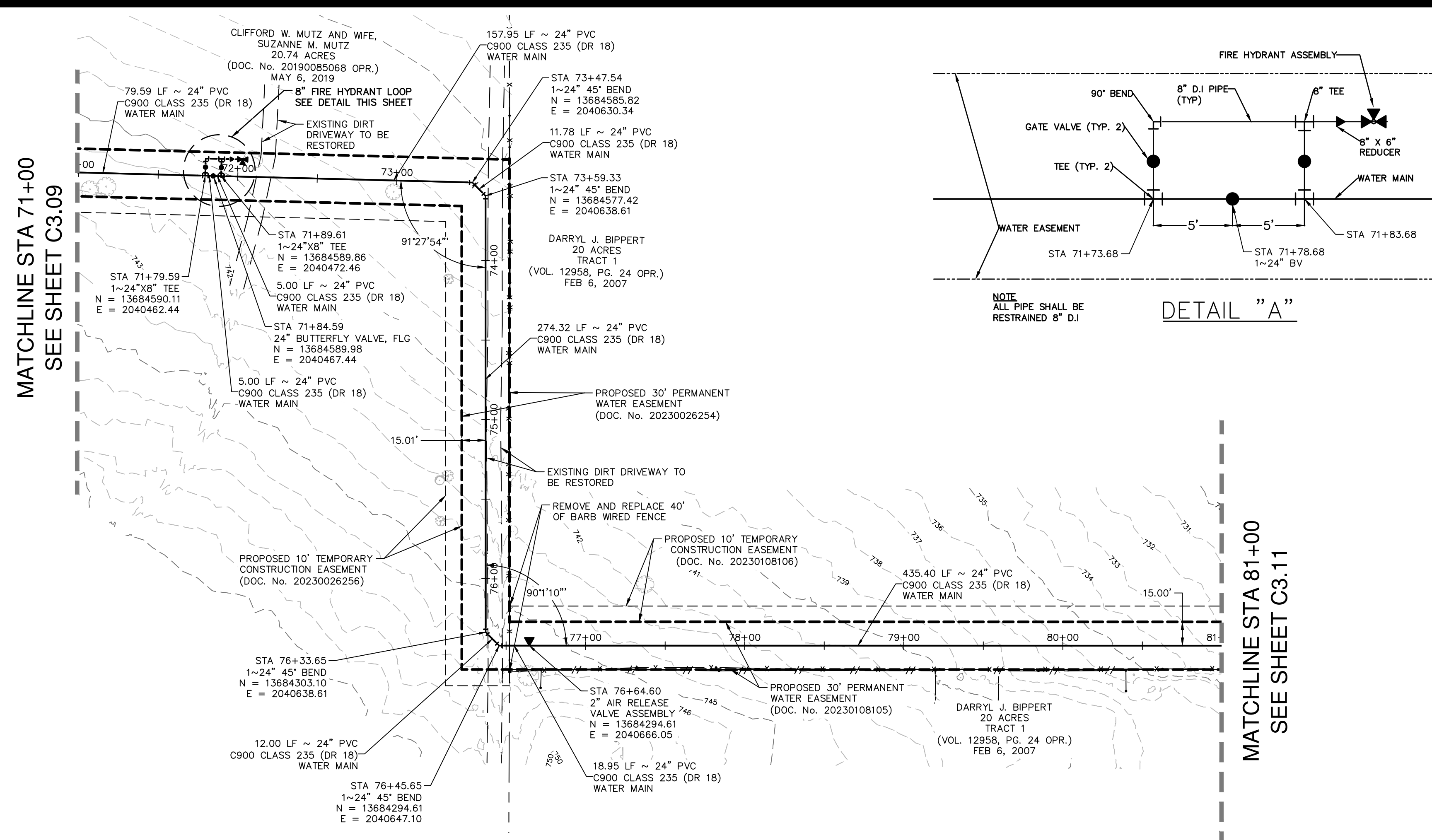
Developer's Name: DR HORTON  
Address: 211 NORTH LOOP 1604, SUITE 130  
City: SAN ANTONIO State: TEXAS ZIP: 78232  
Phone: (210) 498-2658 FAX: N/A  
SAWS Block Map #: 078558-074558  
Phase I - 4,765 LF ~ 16" PVC WATER Total Acreage: 8.14  
Total Linear Footage of Pipe Phase II - 15,036 LF ~ 24" PVC WATER Plot No. N/A  
Number of Lots: N/A TOTAL DUES: N/A SAWS JOB NO. 23-7003

**STONEHILL OFF-SITE WATER EXTENSION**  
BEXAR COUNTY, TEXAS

**PHASE II - WATER MAIN PLAN AND PROFILE**  
STA. 61+00 TO STA. 71+00

PLAT NO. N/A  
JOB NO. 12747-00  
DATE: DECEMBER 2023  
DESIGNER: CN  
CHECKED: SG DRAWN: JD  
SHEET: C3.09





ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	1038
818	8" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	38
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	1000
828	8" GATE VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	2
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	1
834	STD. FIRE HYDRANT ASSEMBLY	EA	1
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1

WATER LEGEND	
PROPERTY LINE	---
EXISTING WATER	---
EXISTING SEWER	---
PROPOSED WATER	---
EXISTING FENCE	x x x
WATER EASEMENT	---
EXISTING CONTOURS	1035
GATE VALVE	●
DRIVEWAY	---
TREES TO REMAIN	○
TREES TO BE REMOVED	⊗

**CAUTION UNDERGROUND UTILITIES**

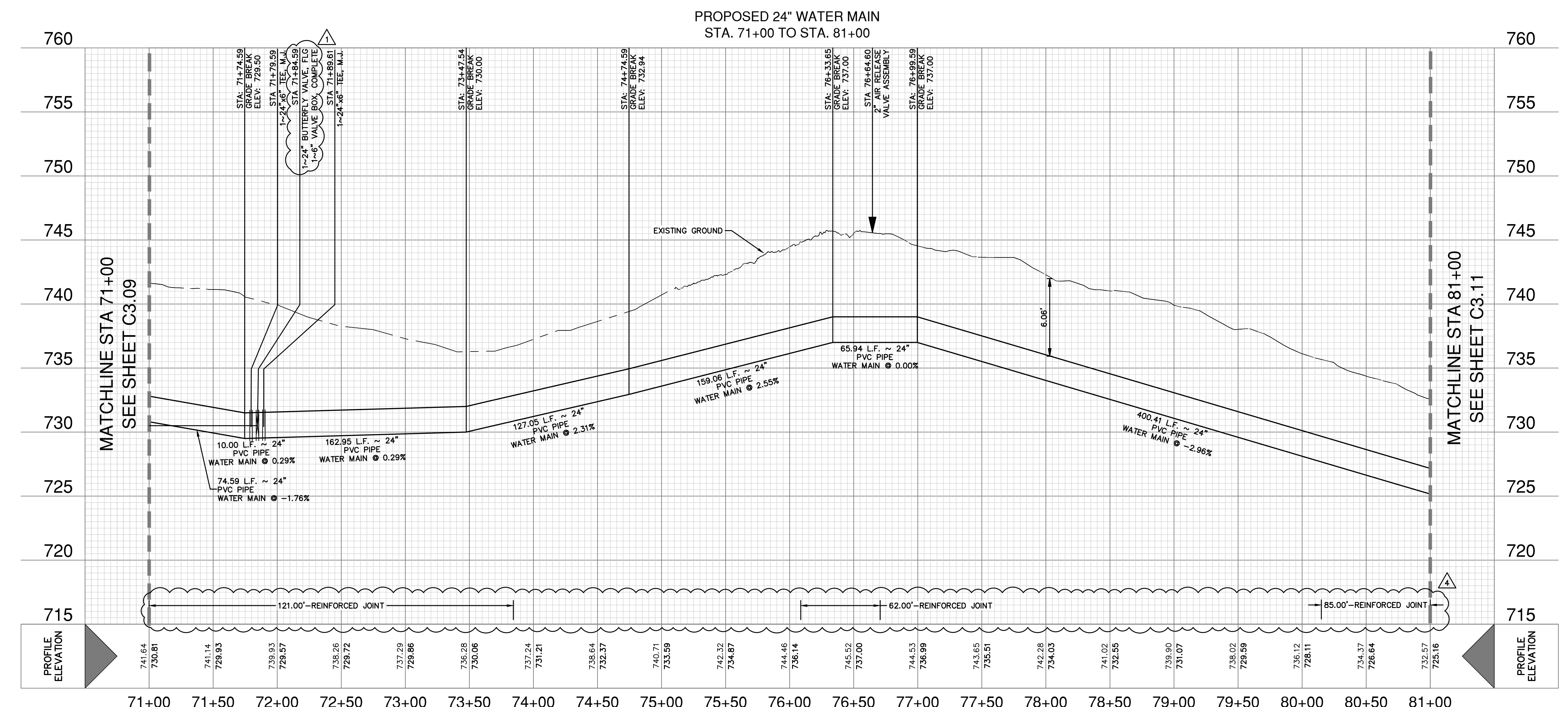
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**WATER: SAWS PRESSURE ZONE 930**  
STONEHILL OFF-SITE WATER EXTENSION

Developer's Name: DR HORTON  
Address: 211 NORTH LOOP 1604, SUITE 130  
City: SAN ANTONIO State: TEXAS ZIP: 78232  
Phone: (210) 498-2658 FAX: N/A  
SAWS Block Map #: 076558, 074558  
Phase I - 4,765 LF ~ 16" PVC WATER Total Acreage 8.14  
Total Linear Footage of Pipe PHASE II - 15,036 LF ~ 24" PVC WATER Plot No. N/A  
Number of Lots N/A TOTAL EDU'S N/A SAWS JOB NO. 23-7003

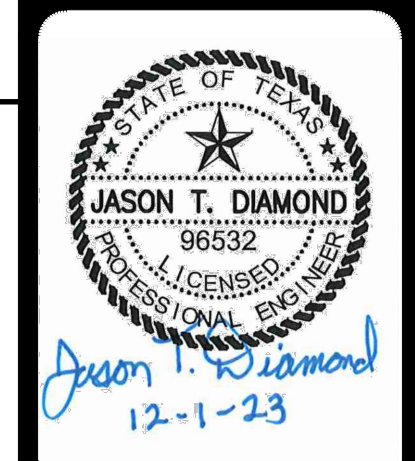


MATCHLINE STA 71+00  
SEE SHEET C3.09

MATCHLINE STA 81+00  
SEE SHEET C3.11

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

DATE	REVISION	NO.	DESCRIPTION
11/20/2023	1	ADDENDUM 1	
12/07/2023	2	ADDENDUM 4	



**PAPE-DAWSON ENGINEERS**  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

**STONEHILL OFF-SITE WATER EXTENSION**  
BEXAR COUNTY, TEXAS

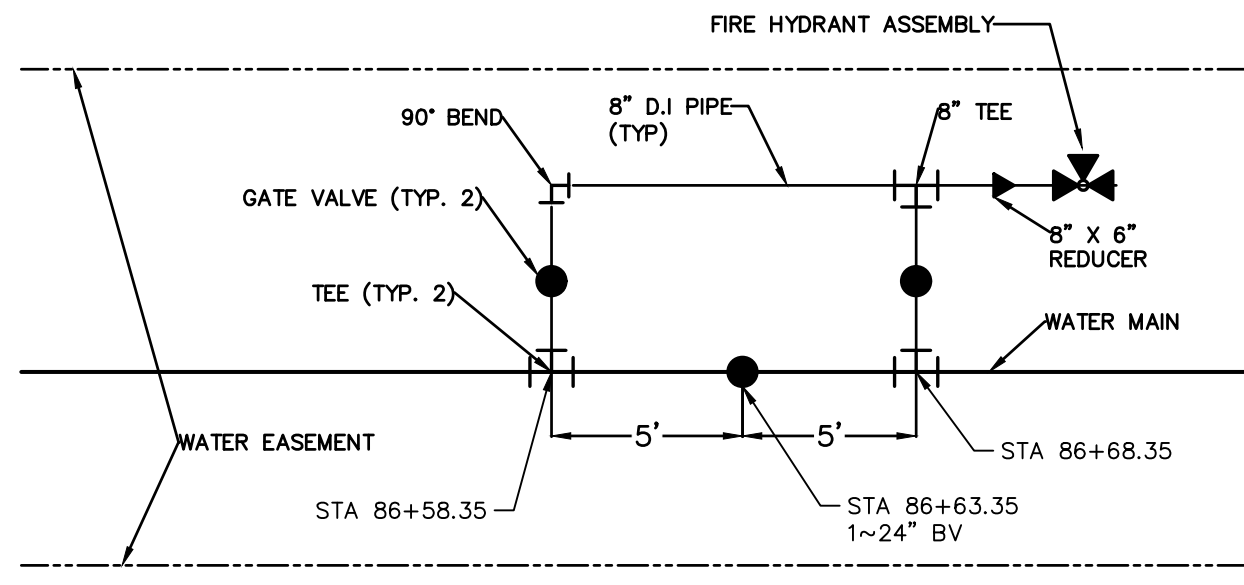
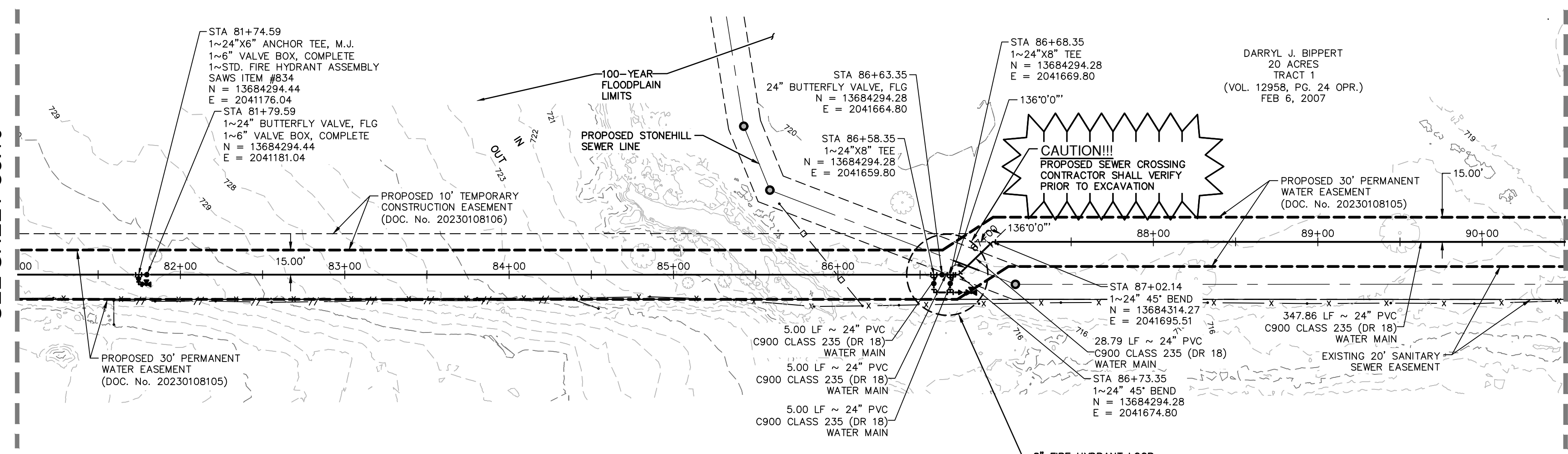
PHASE II - WATER MAIN PLAN AND PROFILE  
STA. 71+00 TO STA. 81+00

PLAT NO.	N/A
JOB NO.	12747-00
DATE	DECEMBER 2023
DESIGNER	CN
CHECKED	SG DRAWN JD
SHEET	C3.10

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MATCHLINE STA 81+00  
SEE SHEET C3.10

MATCHLINE STA 90+50  
SEE SHEET C3.12

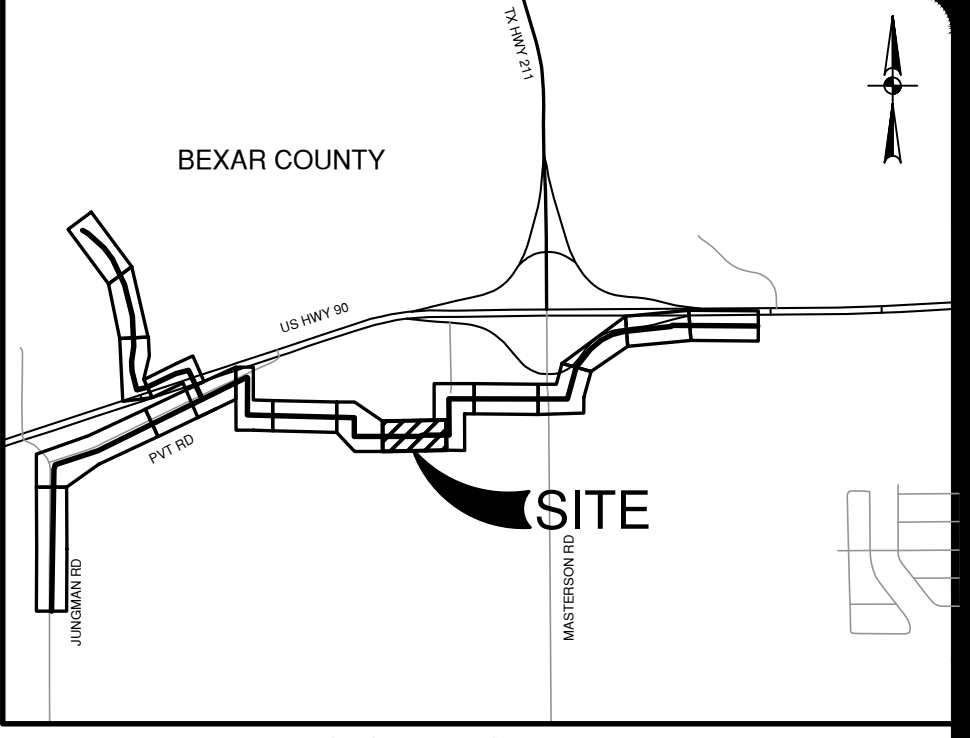
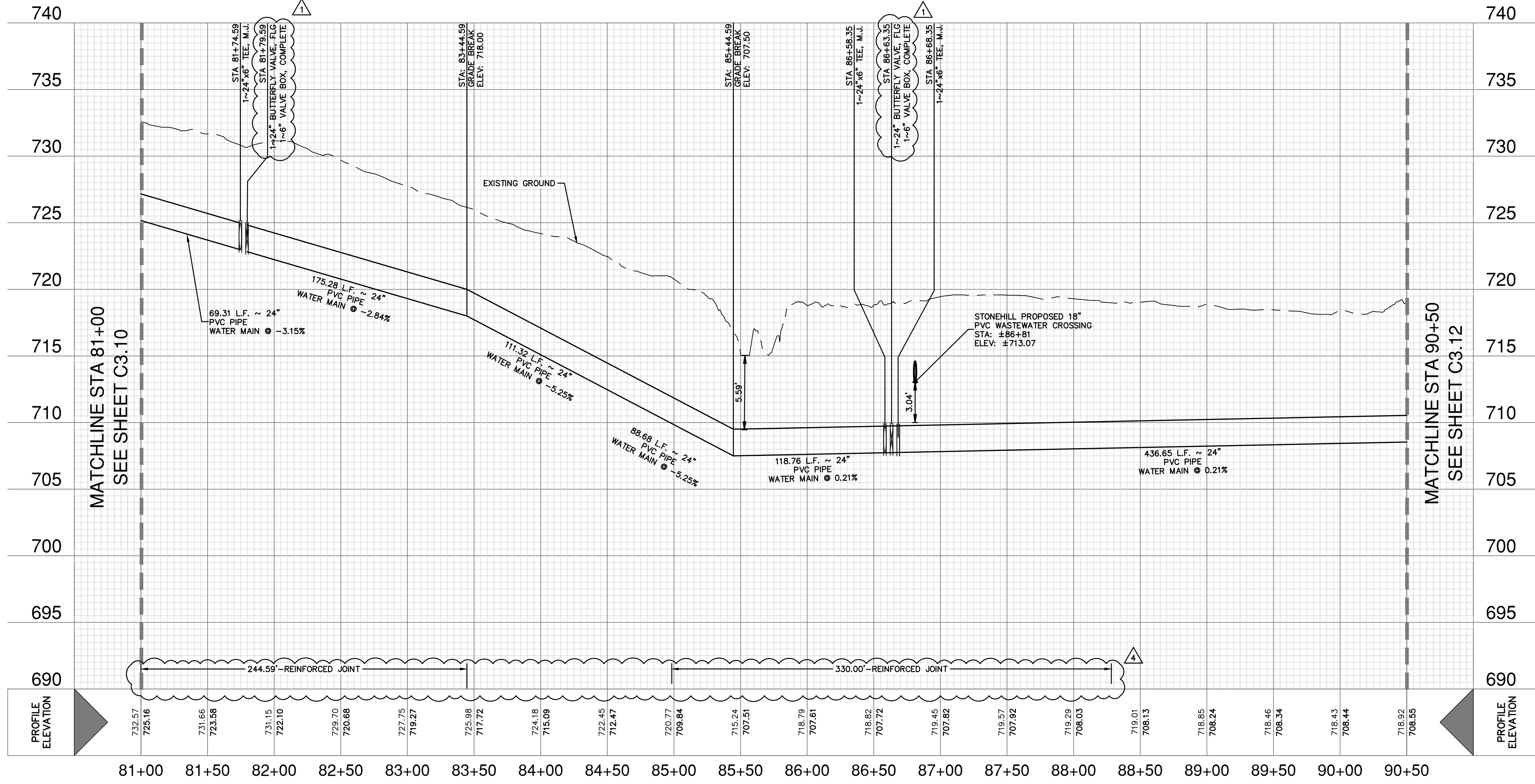


NOTE  
ALL PIPE SHALL BE RESTRAINED 8" D.I.

DETAIL "A"

PROPOSED 24" WATER MAIN  
STA. 81+00 TO STA. 90+50

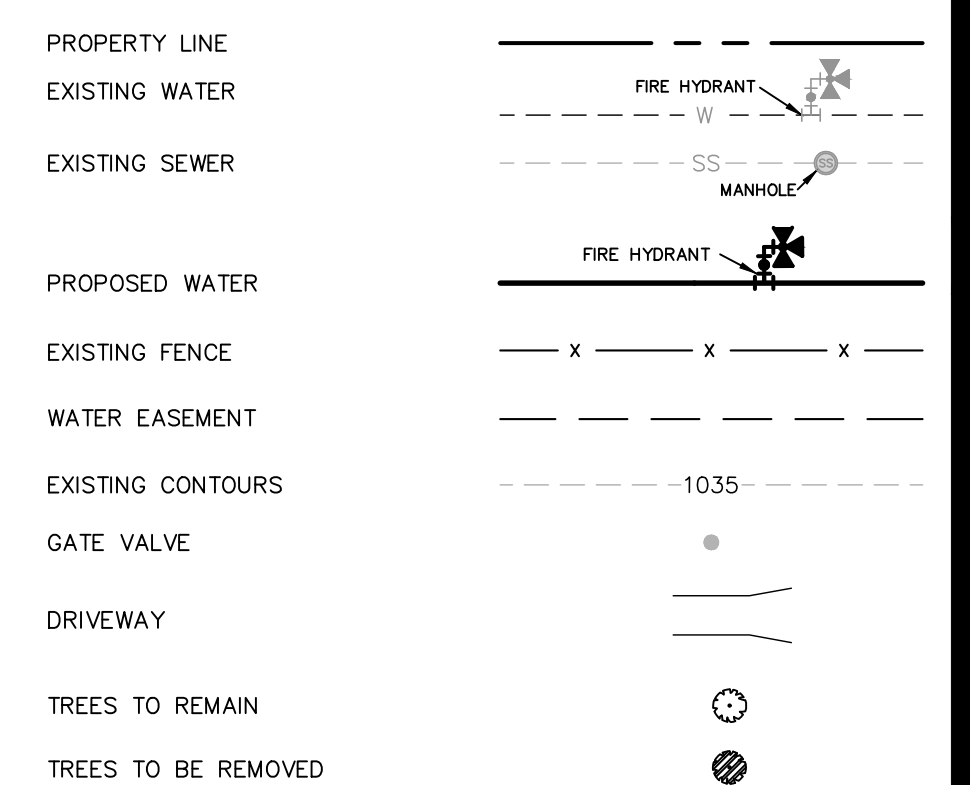
VERTICAL SCALE: 1" = 5'  
HORIZONTAL SCALE: 1" = 50'



LOCATION MAP  
NOT-TO-SCALE

ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	988
818	8" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	38
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	950
828	8" GATE VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	2
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	2
834	STD. FIRE HYDRANT ASSEMBLY	EA	2

WATER LEGEND



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.

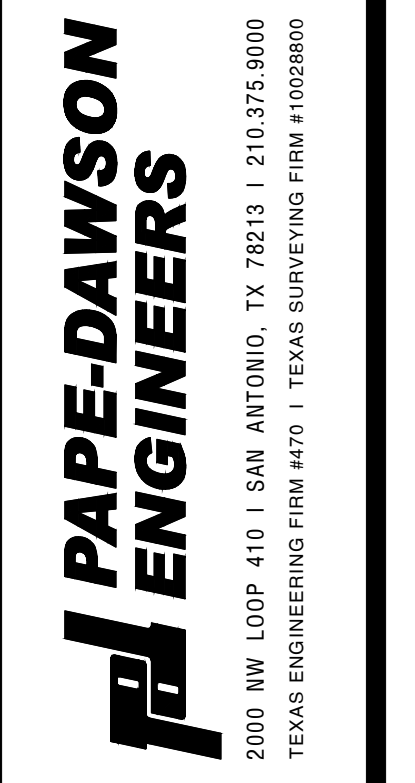
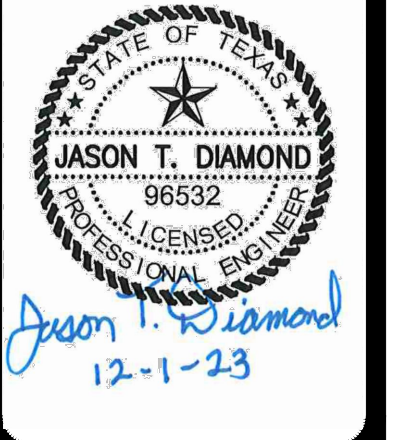
TRENCH EXCAVATION SAFETY PROTECTION

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

WATER: SAWS PRESSURE ZONE 930  
STONEHILL OFF-SITE WATER EXTENSION

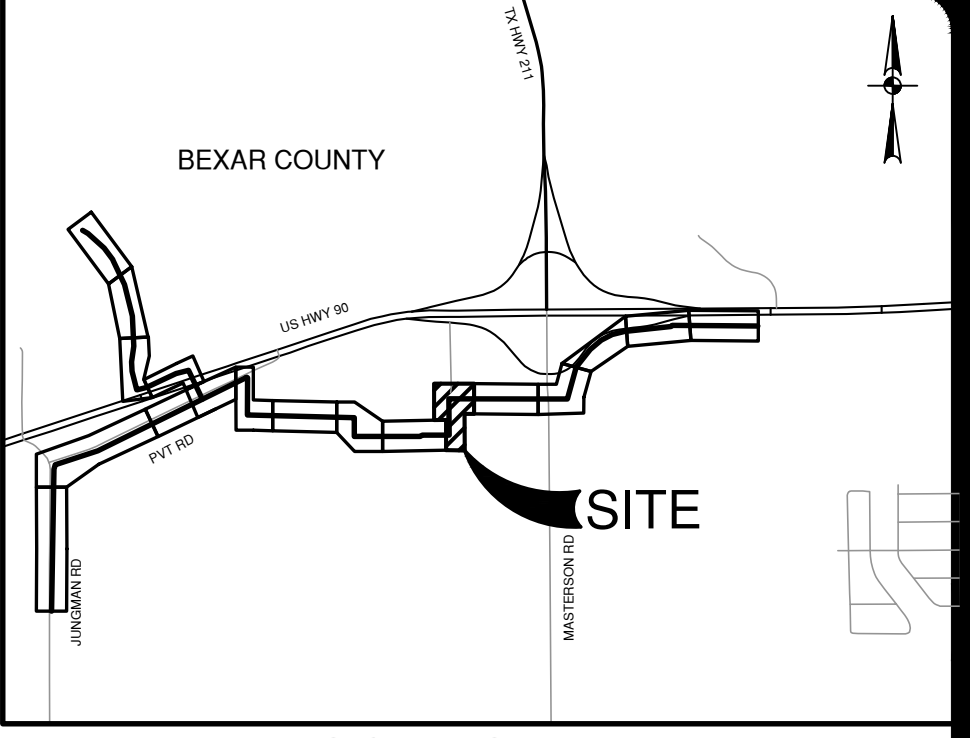
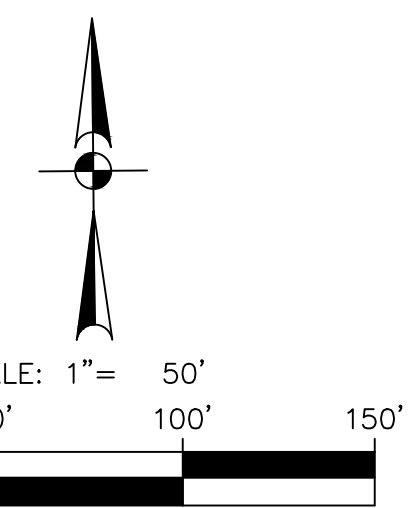
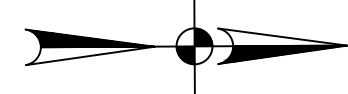
Developer's Name: DR HORTON  
 Address: 211 NORTH LOOP 1604, SUITE 130  
 City: SAN ANTONIO State: TEXAS Zip: 78232  
 Phone: (210) 496-2668 FAX: N/A  
 SAWS Block Map# 078558-074558  
 PHASE I - 4,765 LF ~ 16" PVC WATER Total Acreage .814  
 Total Linear Footage of Pipe PHASE II - 15,036 LF ~ 24" PVC WATER Plat No. N/A  
 Number of Lots N/A TOTAL EDU'S N/A SAWS JOB NO. 23-7003

NO.	REVISION	DATE
1	ADDENDUM 1	11/20/2023
2	ADDENDUM 4	12/07/2023

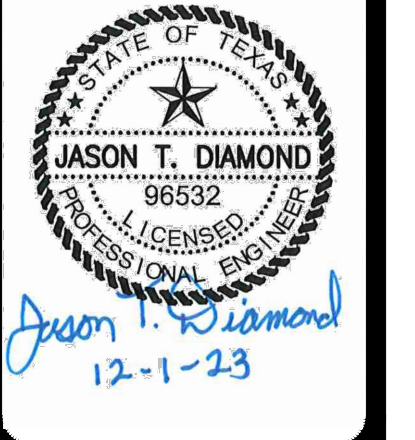


STONEHILL OFF-SITE WATER EXTENSION  
BEXAR COUNTY, TEXAS  
 PHASE II - WATER MAIN PLAN AND PROFILE  
 STA. 81+00 TO STA. 90+50

PLAT NO.	N/A
JOB NO.	12747-00
DATE	DECEMBER 2023
DESIGNER	CN
CHECKED	SG DRAWN JD
SHEET	C3.11



NO.	REVISION	DATE
1	ADDENDUM 1	11/20/2023
2	ADDENDUM 4	12/01/2023



**PAPE-DAWSON ENGINEERS**  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

MATCHLINE STA 90+50  
SEE SHEET C3.11

MATCHLINE STA 95+00  
SEE THIS SHEET

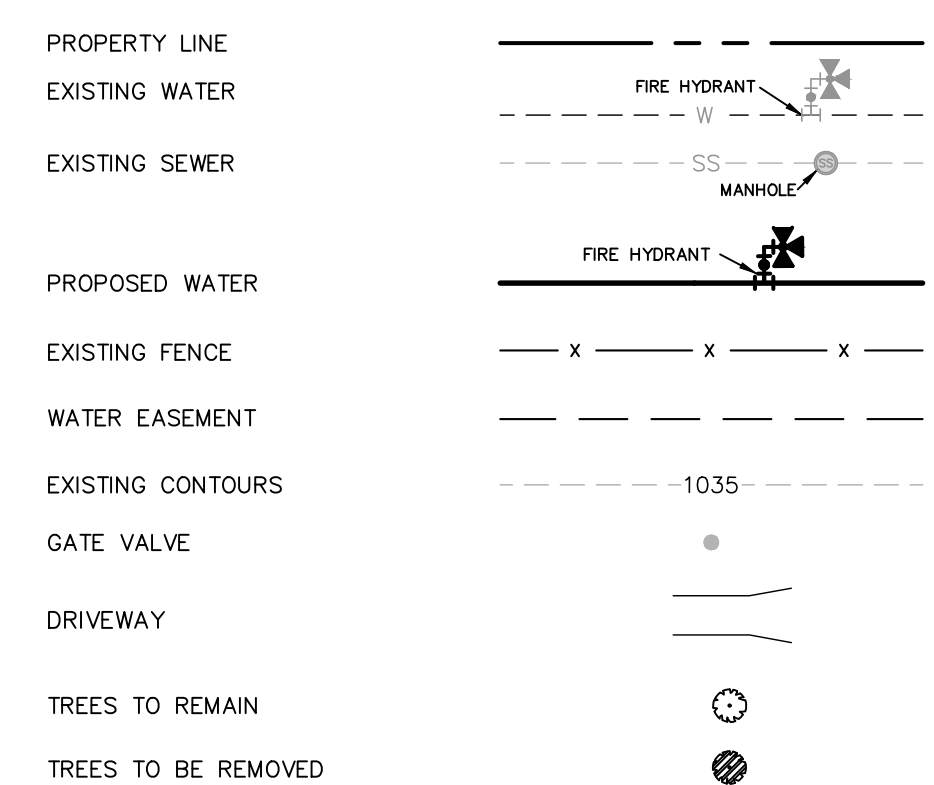
MATCHLINE STA 101+00  
SEE SHEET C3.13

MATCHLINE STA 95+00  
SEE THIS SHEET

**QUANTITY TABLE**

ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	1050
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	1050
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	1
834	STD. FIRE HYDRANT ASSEMBLY	EA	1
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1

**WATER LEGEND**



**CAUTION UNDERGROUND UTILITIES**

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**TRENCH EXCAVATION SAFETY PROTECTION**

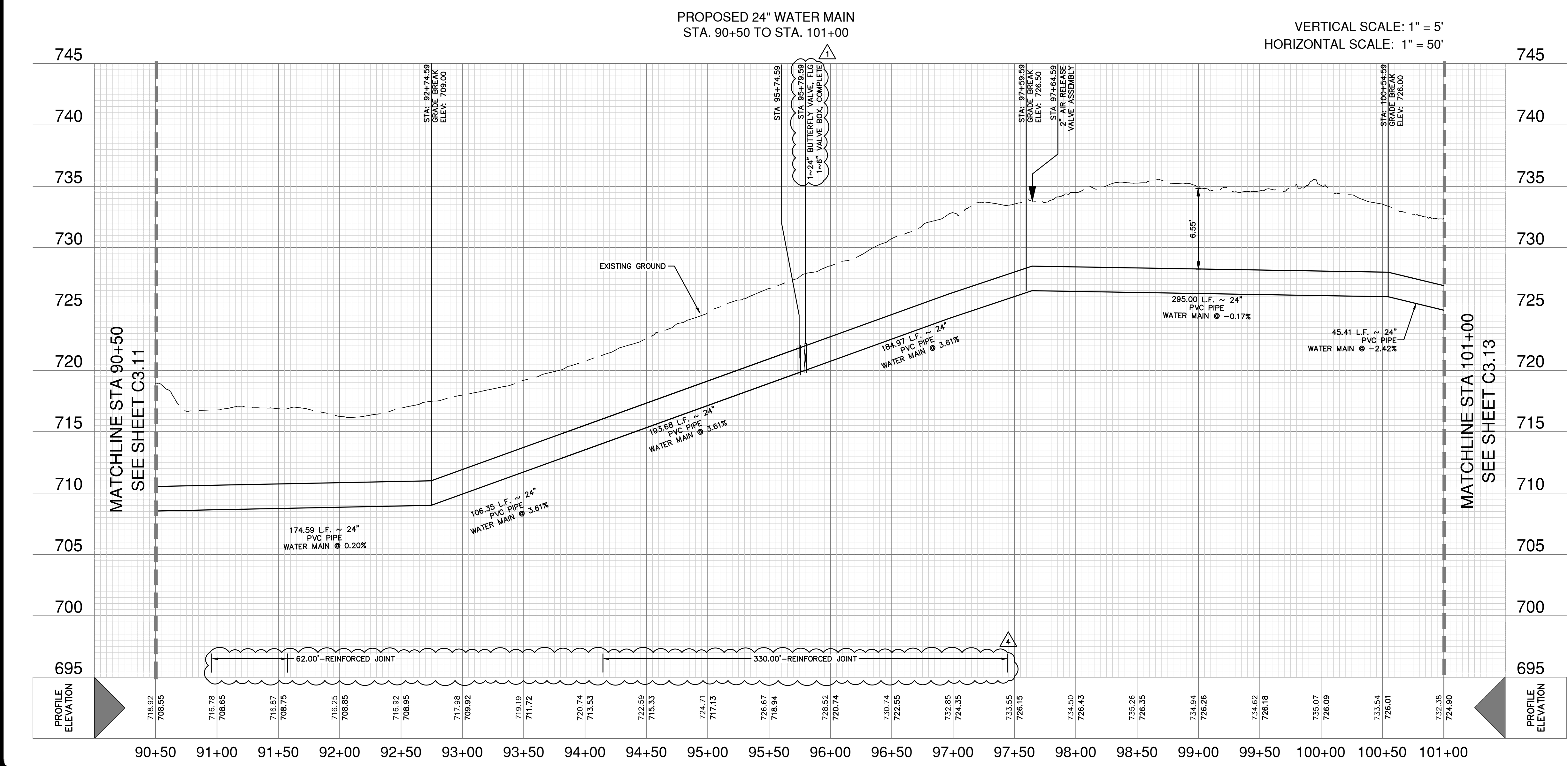
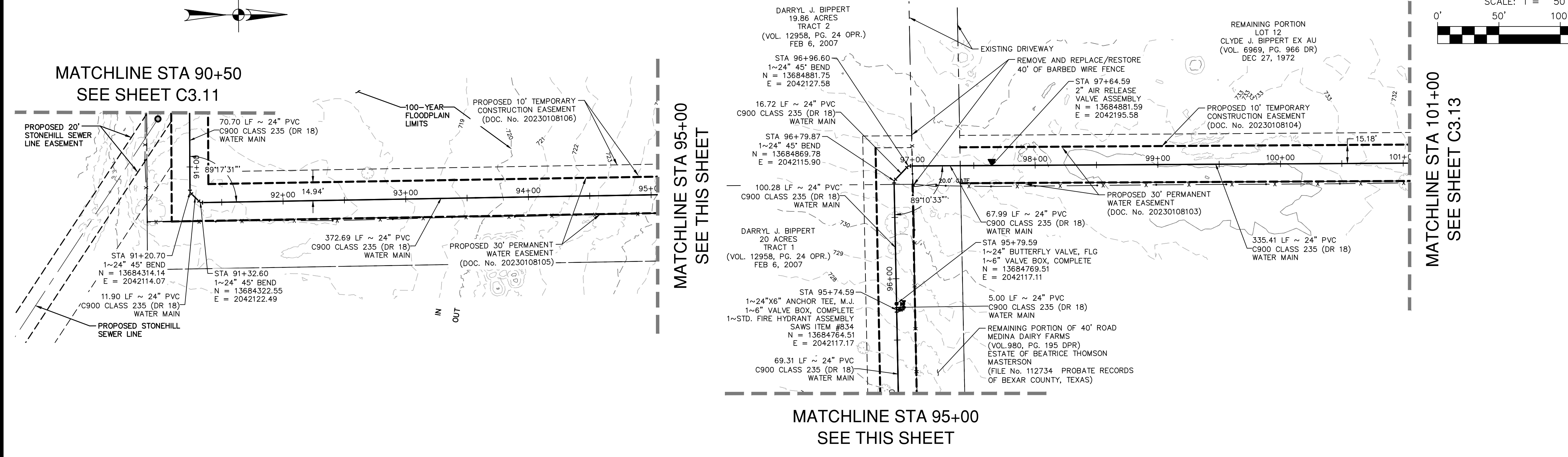
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S 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 930**  
STONEHILL OFF-SITE WATER EXTENSION

Developer's Name: DR. HORTON  
 Address: 211 NORTH LOOP 1604, SUITE 130  
 City: SAN ANTONIO State: TEXAS ZIP: 78232  
 Phone# (210) 498-2658 FAX# N/A  
 SAWS Block Map# 078558, 074558  
 SAWS Block Map# 078558, 074558 PHASE I - 4,765 LF ~ 16" PVC WATER Total Acreage 8.14  
 Total Linear Footage of Pipe PHASE II - 15,036 LF ~ 24" PVC WATER Plat No. N/A  
 Number of Lots N/A TOTAL EDU'S N/A SAWS JOB NO. 23-7003

**STONEHILL OFF-SITE WATER EXTENSION**  
 BEXAR COUNTY, TEXAS  
 PHASE II - WATER MAIN PLAN AND PROFILE  
 STA. 90+50 TO STA. 101+00

PLAT NO.	N/A
JOB NO.	12747-00
DATE	DECEMBER 2023
DESIGNER	CN
CHECKED	SG DRAWN JD
SHEET	C3.12



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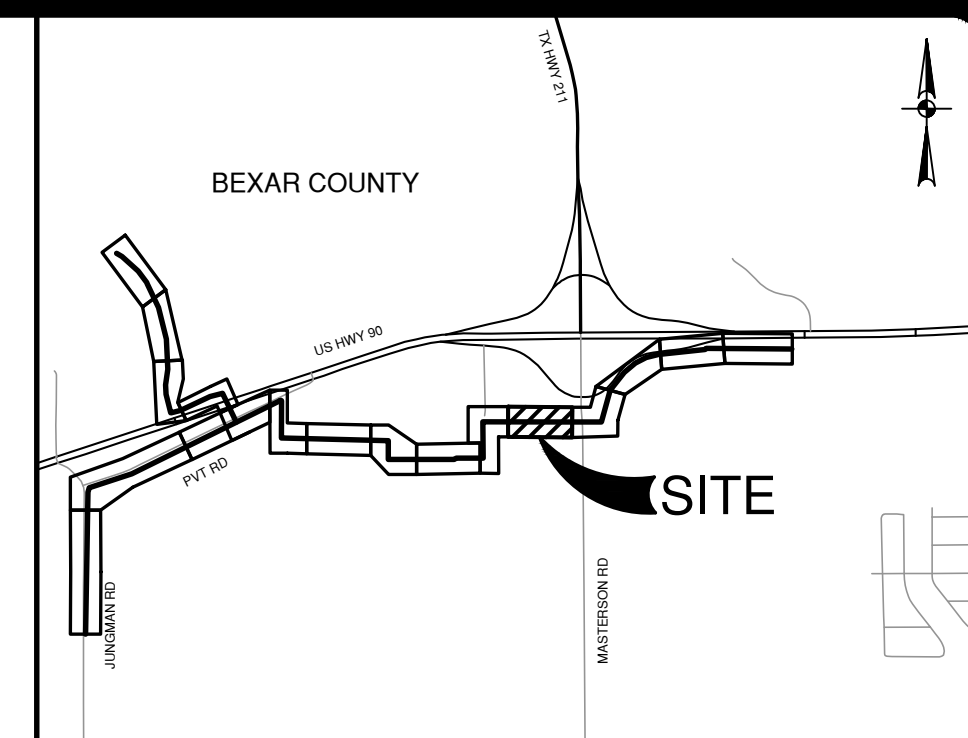
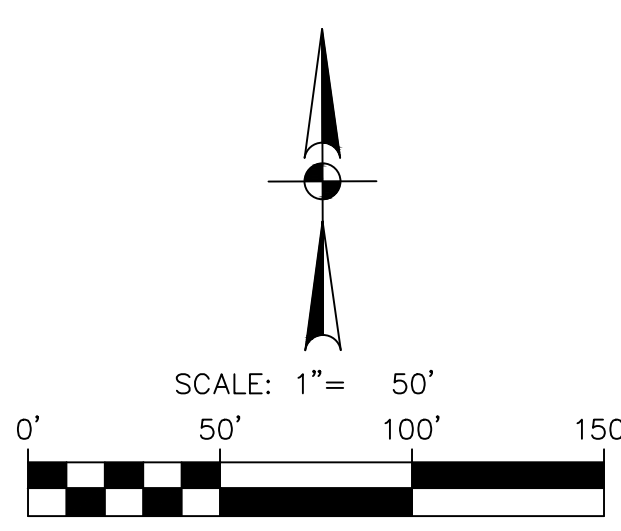
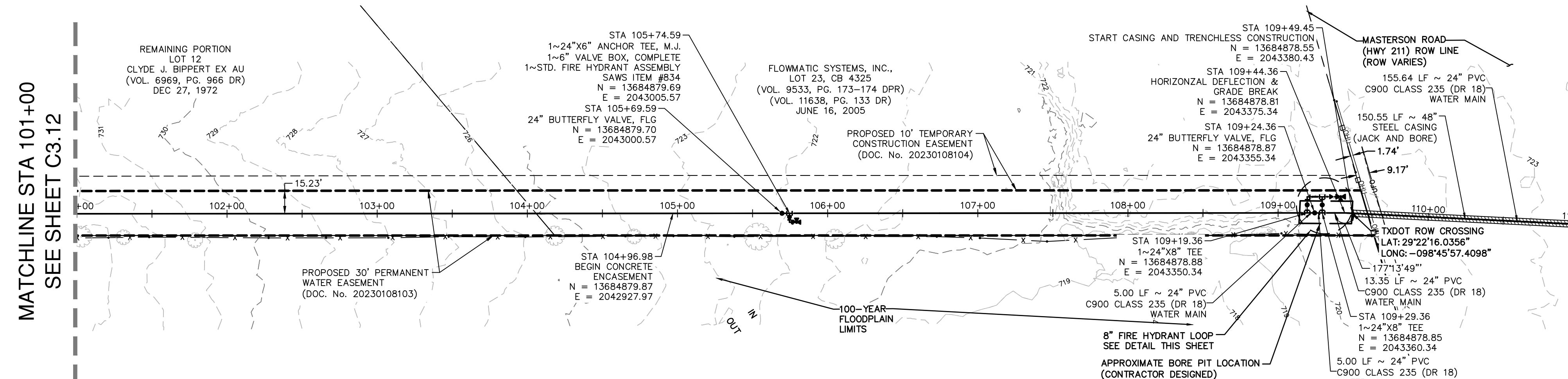
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**NOTE:**

THE CONTRACTOR IS NOT PERMITTED TO UTILIZE TxDOT ROW TO ACCESS THE PROJECT AREA. ACCESS WILL ONLY BE ALLOWED VIA APPROVED CONSTRUCTION ENTRANCES AS SHOWN ON PLANS.

MATCHLINE STA 101+00  
SEE SHEET C3.12

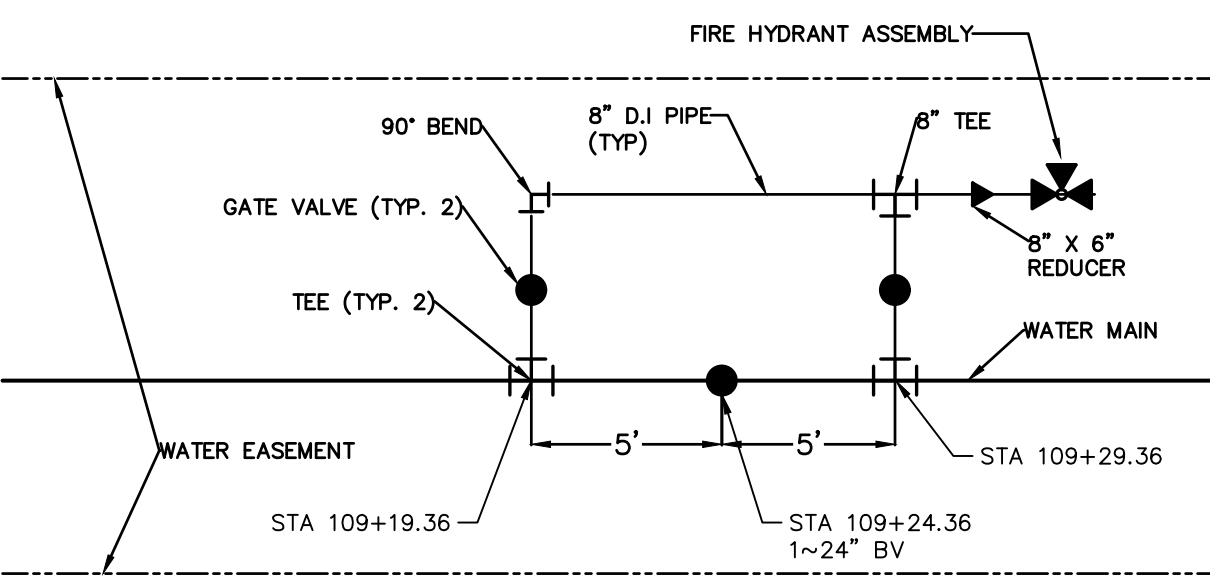
MATCHLINE STA 111+00  
SEE SHEET C3.14



DATE	11/20/2023
NO.	1
REVISION	ADDDENDUM 1
	ADDDENDUM 4
	2



QUANTITY TABLE			
ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	887
818	8" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	38
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	849
828	8" GATE VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	2
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	2
834	STD. FIRE HYDRANT ASSEMBLY	EA	2
856	48" PIPE JACKING	LF	151
856.1	48" STEEL CASING	LF	151
856.2	24" PVC CLASS 235 (DR 18) CARRIER PIPE	LF	151



DETAIL "A"

PROPOSED 24" WATER MAIN  
STA. 101+00 TO STA. 111+00

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



**WATER LEGEND**

- PROPERTY LINE
- EXISTING WATER
- EXISTING SEWER
- PROPOSED WATER
- EXISTING FENCE
- WATER EASEMENT
- EXISTING CONTOURS
- GATE VALVE
- DRIVEWAY
- TREES TO REMAIN
- TREES TO BE REMOVED

**CAUTION UNDERGROUND UTILITIES**

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**WATER: SAWS PRESSURE ZONE 930**  
STONEHILL OFF-SITE WATER EXTENSION

Developer's Name: DR HORTON  
Address: 211 NORTH LOOP 1604, SUITE 130  
City: SAN ANTONIO State: TEXAS Zip: 78232  
Phone: (210) 498-2658 FAX: N/A  
SAWS Block Map# 076558, 074558  
Phase I - 4,765 LF ~ 16" PVC WATER Total Acreage 8.14  
Total Linear Footage of Pipe PHASE II - 15,036 LF ~ 24" PVC WATER Plot No. N/A  
Number of Lots N/A TOTAL DDU'S N/A SAWS JOB NO. 23-7003

**STONEHILL OFF-SITE WATER EXTENSION**  
BEXAR COUNTY, TEXAS

PHASE II - WATER MAIN PLAN AND PROFILE  
STA. 101+00 TO STA. 111+00

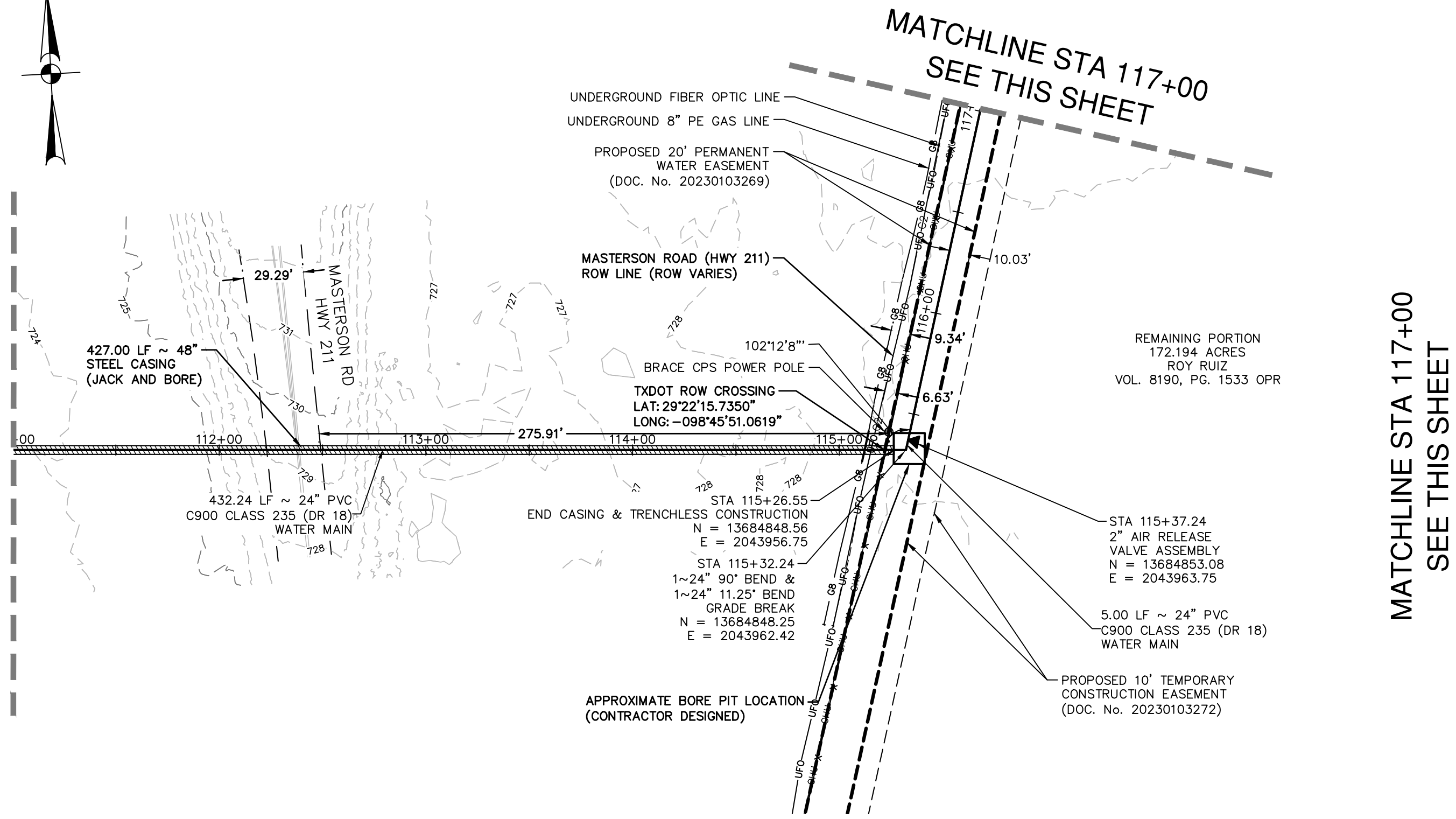
PLAT NO.	N/A
JOB NO.	12747-00
DATE	DECEMBER 2023
DESIGNER	CN
CHECKED	SG DRAWN JD
SHEET	C3.13

**NOTE:**

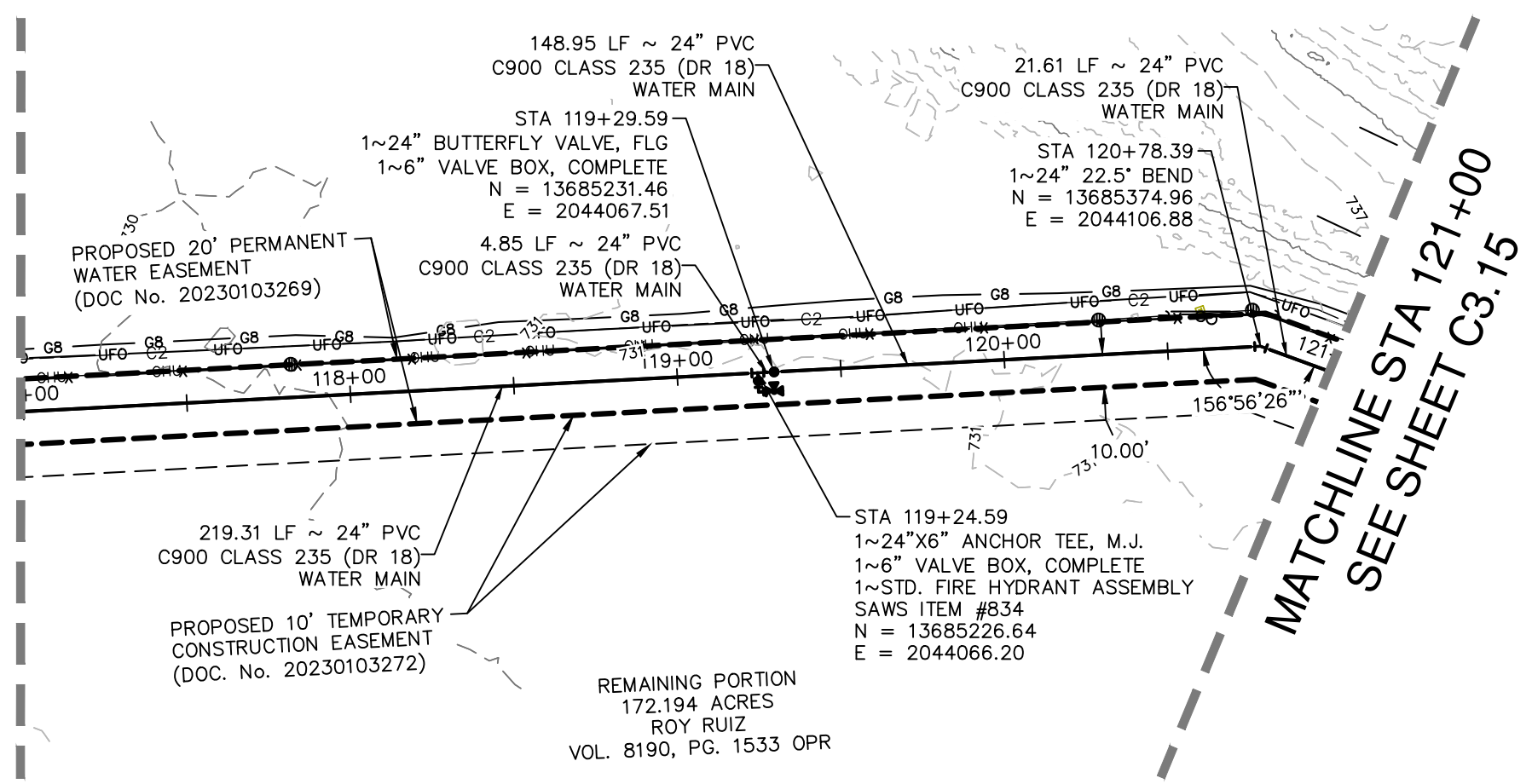
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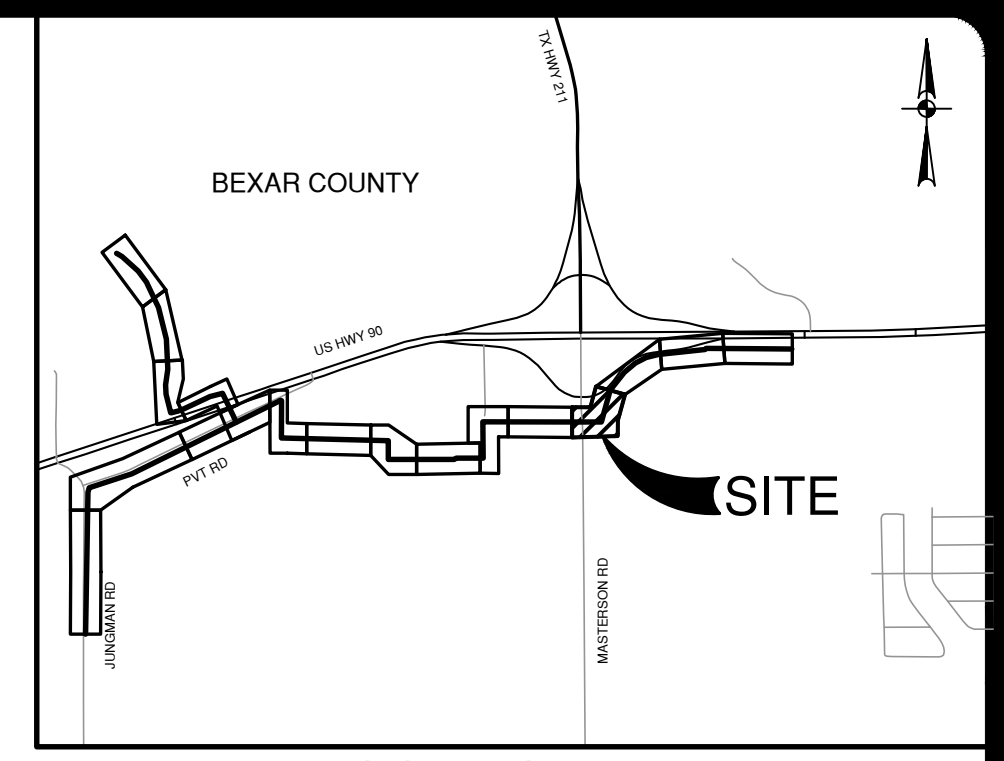
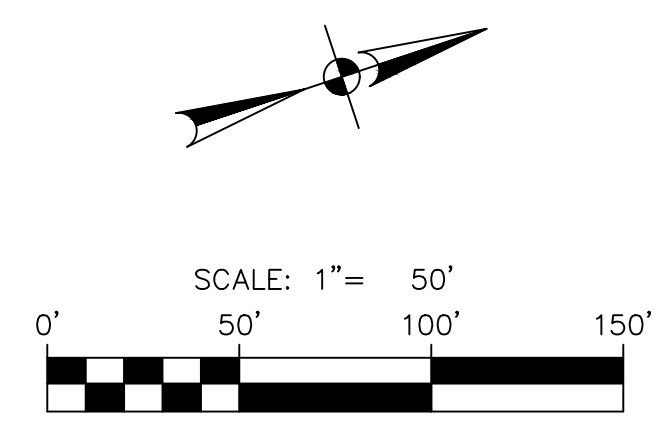
MATCHLINE STA 111+00  
SEE SHEET C3.13



MATCHLINE STA 117+00  
SEE THIS SHEET



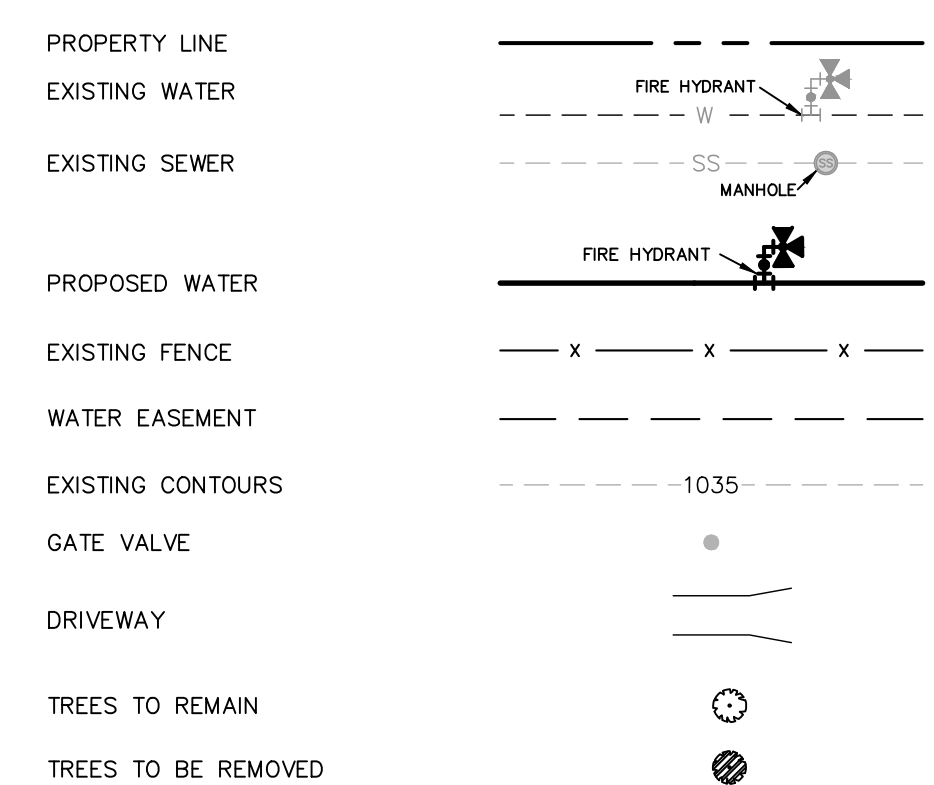
MATCHLINE STA 121+00  
SEE SHEET C3.15



LOCATION MAP  
NOT-TO-SCALE

ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	573
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	573
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	2
834	STD. FIRE HYDRANT ASSEMBLY	EA	1
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1
856	PIPE JACKING	LF	427
856.1	48" STEEL CASING	LF	427
856.2	24" PVC CLASS 235 (DR 18) CARRIER PIPE	LF	427

**WATER LEGEND**



**CAUTION UNDERGROUND UTILITIES**

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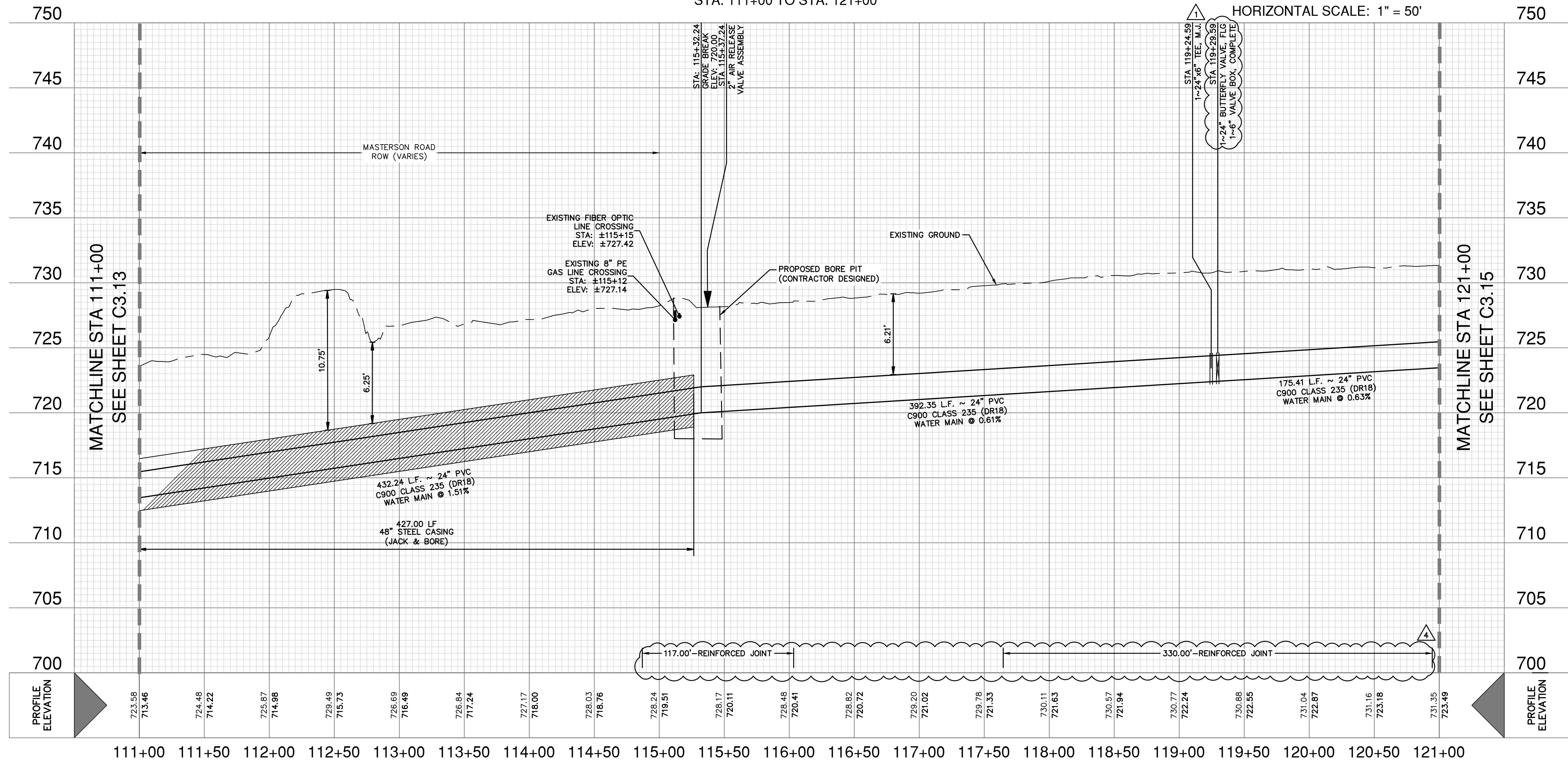
**TRENCH EXCAVATION SAFETY PROTECTION**

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**WATER: SAWS PRESSURE ZONE 930  
STONEHILL OFF-SITE WATER EXTENSION**

Developer's Name: DR HORTON  
Address: 211 NORTH LOOP 1604, SUITE 130  
City: SAN ANTONIO State: TEXAS ZIP: 78232  
Phone#: (210) 496-2668 FAX#: N/A  
SAWS Block Map#: 076558\_074558  
Total Acreage: 8.14  
Phase I - 4.765 LF - 16" PVC WATER  
Total Linear Footage of Pipe Phase II - 15,036 LF - 24" PVC WATER Plot No. N/A  
Number of Lots: N/A TOTAL EDU'S: N/A SAWS JOB NO: 23-7003

PROPOSED 24" WATER MAIN  
STA. 111+00 TO STA. 121+00  
VERTICAL SCALE: 1" = 5'  
HORIZONTAL SCALE: 1" = 50'



Date: June 1, 2023, 10:33 AM - User ID: crenning  
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DATE	11/20/2023
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REVISION	ADDENDUM 1
	ADDENDUM 4
	2



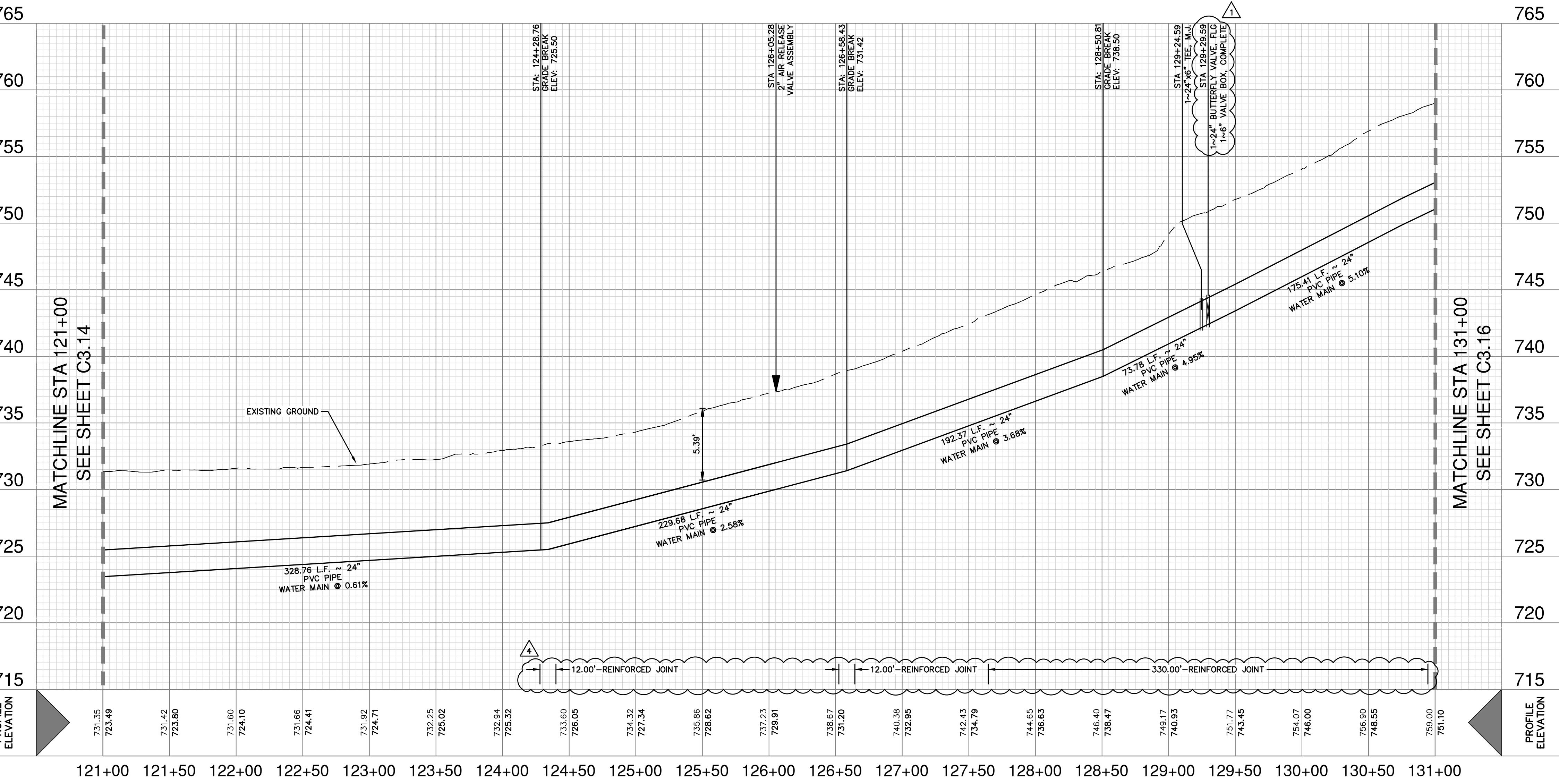
**PAPE-DAWSON ENGINEERS**  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

**STONEHILL OFF-SITE WATER EXTENSION**  
BEXAR COUNTY, TEXAS  
PHASE II - WATER MAIN PLAN AND PROFILE  
STA. 111+00 TO STA. 121+00

PLAT NO.	N/A
JOB NO.	12747-00
DATE	DECEMBER 2023
DESIGNER	CN
CHECKED	SG DRAWN JD
SHEET	C3.14

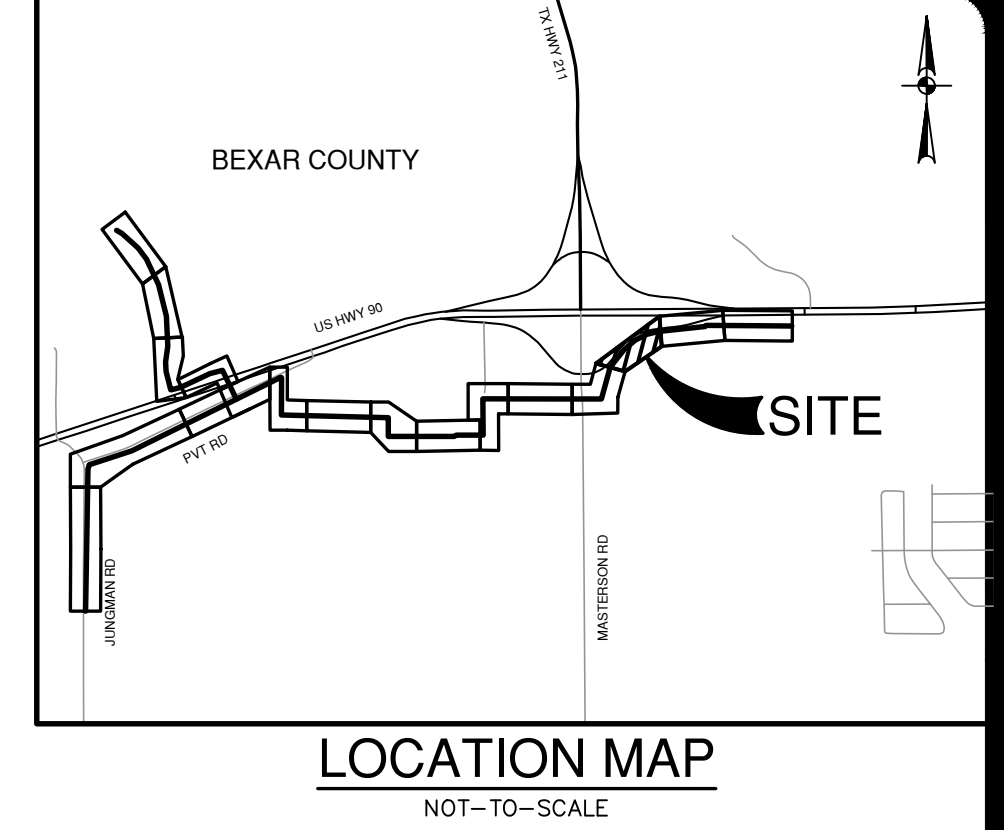
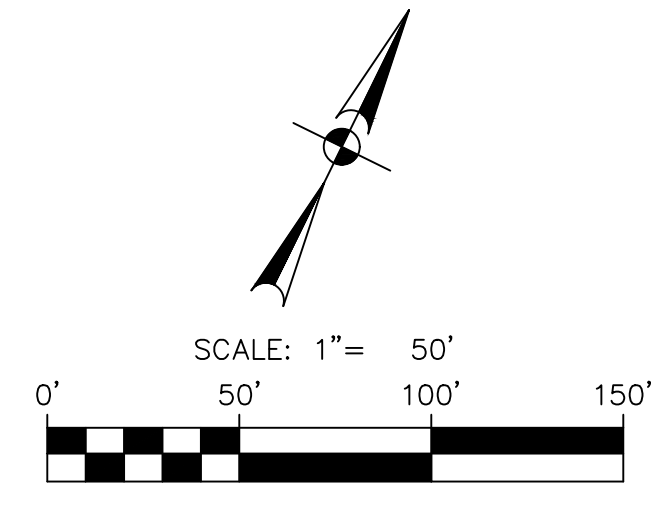
MATCHLINE STA 121+00  
SEE SHEET C3.14

MATCHLINE STA 131+00  
SEE SHEET C3.16



PROPOSED 24" WATER MAIN  
STA. 121+00 TO STA. 131+00

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



QUANTITY TABLE			
ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	1000
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	1000
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	1
834	STD. FIRE HYDRANT ASSEMBLY	EA	1
844	2" TEMPORARY BLOW-OFF ASSEMBLY	EA	1
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1

WATER LEGEND	
PROPERTY LINE	---
EXISTING WATER	---
EXISTING SEWER	---
PROPOSED WATER	---
EXISTING FENCE	x x x
WATER EASEMENT	---
EXISTING CONTOURS	1035
GATE VALVE	○
DRIVEWAY	---
TREES TO REMAIN	○
TREES TO BE REMOVED	⊗

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

**WATER: SAWS PRESSURE ZONE 930**  
STONEHILL OFF-SITE WATER EXTENSION

Developer's Name: DR. HORTON  
 Address: 211 NORTH LOOP 1604, SUITE 130  
 City: SAN ANTONIO, State: TEXAS, ZIP: 78232  
 Phone: (210) 498-2668 FAX: N/A  
 SAWS Block Map #: 076558, 074558  
 SAWS Block Map #: 076558, 074558  
 Phase I - 4,765 LF ~ 16" PVC WATER Total Acreage: 8.14  
 Total Linear Footage of Pipe Phase II - 15,036 LF ~ 24" PVC WATER Plot No. N/A  
 Number of Lots: N/A TOTAL EDU'S: N/A SAWS JOB NO.: 23-7003

NO.	REVISION	DATE
1	ADDENDUM 1	11/20/2023
2	ADDENDUM 4	12/07/2023



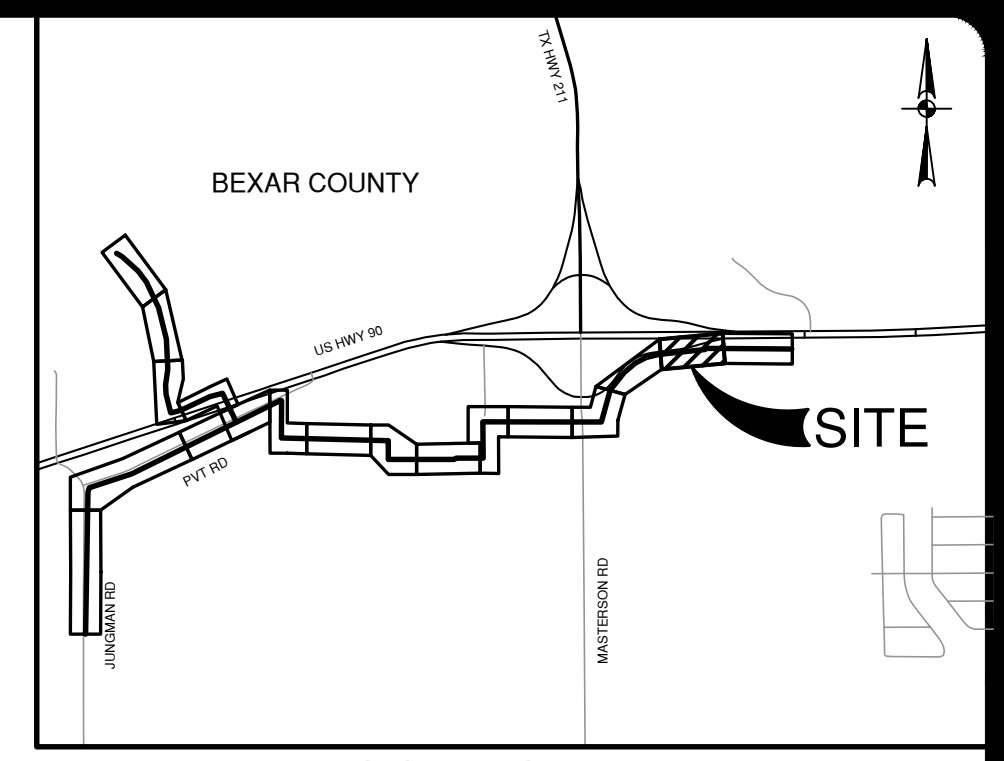
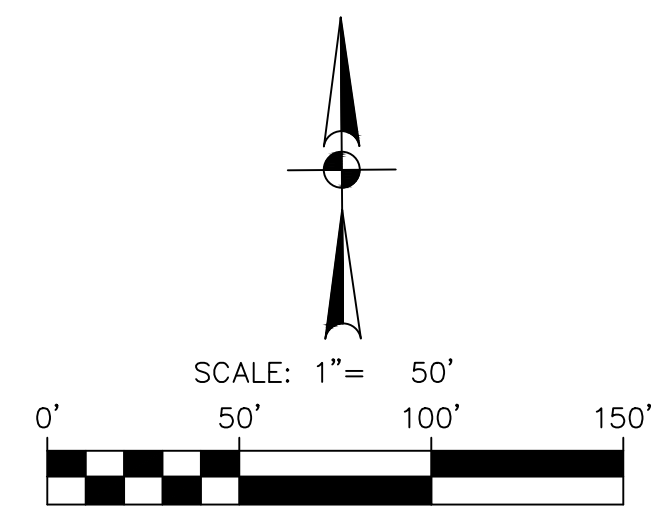
**PAPE-DAWSON ENGINEERS**  
 2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

**STONEHILL OFF-SITE WATER EXTENSION**  
 BEXAR COUNTY, TEXAS

PHASE II - WATER MAIN PLAN AND PROFILE  
 STA. 121+00 TO STA. 131+00

PLAT NO.	N/A
JOB NO.	12747-00
DATE	DECEMBER 2023
DESIGNER	CN
CHECKED	SG DRAWN JD
SHEET	C3.15

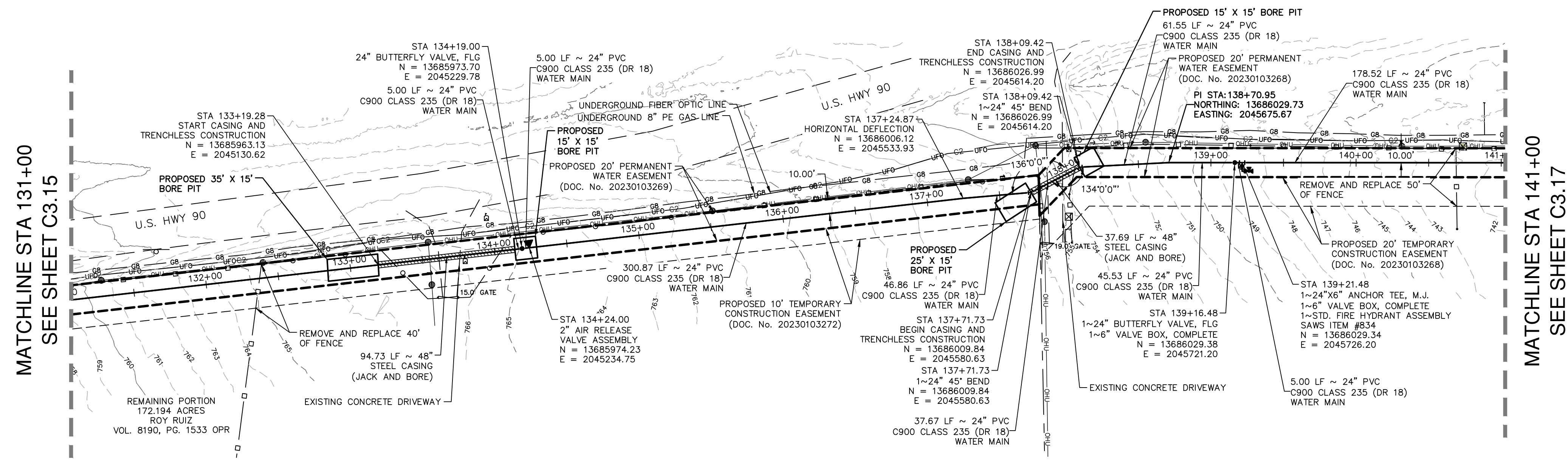
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NO.	REVISION	DATE
1	ADDENDUM 1	11/20/2023
2	ADDENDUM 4	12/07/2023



**PAPE-DAWSON ENGINEERS**  
 2000 HWY LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800



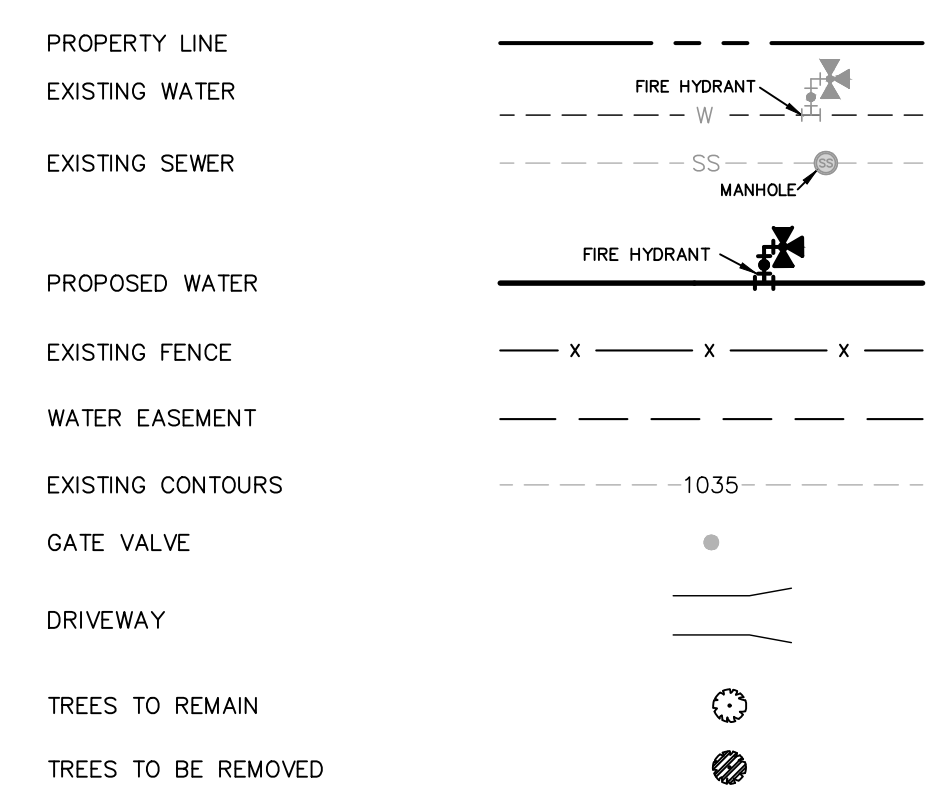
MATCHLINE STA 131+00  
SEE SHEET C3.15

MATCHLINE STA 141+00  
SEE SHEET C3.17

**LOCATION MAP**  
NOT-TO-SCALE

ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	867
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	867
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	2
834	STD. FIRE HYDRANT ASSEMBLY	EA	1
846	2" AIR RELEASE VALVE ASSEMBLY	EA	1
846	3" AIR RELEASE VALVE ASSEMBLY	EA	0
856	48" PIPE JACKING	LF	133
856.1	48" STEEL CASING	LF	133
856.2	24" PVC CLASS 235 (DR 18) CARRIER PIPE	LF	133

**WATER LEGEND**



**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.

**TRENCH EXCAVATION SAFETY PROTECTION**

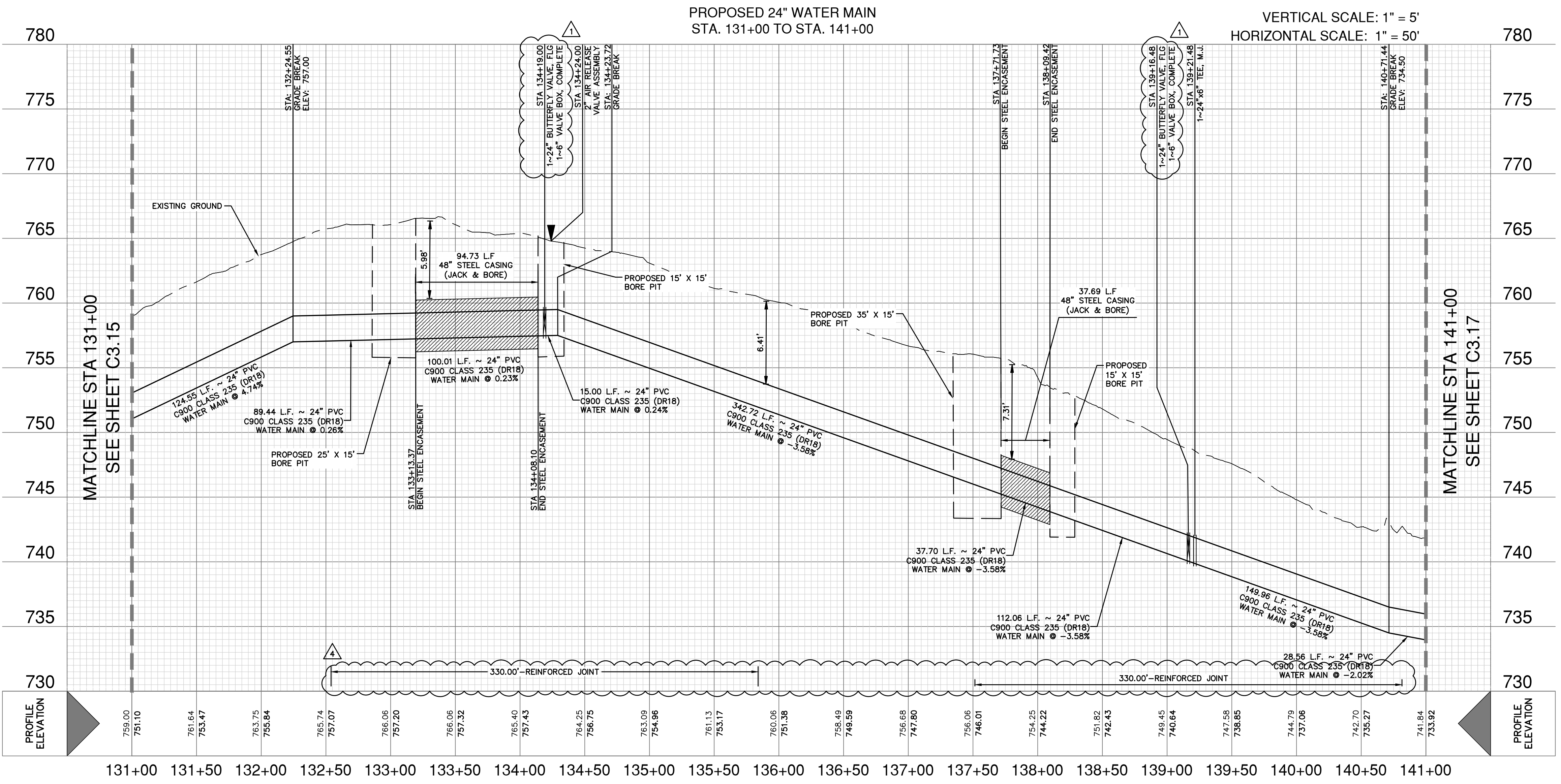
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**WATER: SAWS PRESSURE ZONE 930**  
STONEHILL OFF-SITE WATER EXTENSION

Developer's Name: DR HORTON  
 Address: 211 NORTH LOOP 1604, SUITE 130  
 City: SAN ANTONIO State: TEXAS Zip: 78232  
 Phone: (210) 496-2668 FAX: N/A  
 Saws Block Map #: 076558, 074558  
 Total Linear Footage of Pipe PHASE II = 15,036 LF ~ 24" PVC WATER Plot No. N/A  
 Number of Lots: N/A TOTAL EDU'S: N/A SAWS JOB NO: 23-7003

**STONEHILL OFF-SITE WATER EXTENSION**  
 BEXAR COUNTY, TEXAS  
 PHASE II - WATER MAIN PLAN AND PROFILE  
 STA. 131+00 TO STA. 141+00

PLAT NO. N/A  
 JOB NO. 12747-00  
 DATE: DECEMBER 2023  
 DESIGNER: CN  
 CHECKED: SG DRAWN: JD  
 SHEET: C3.16



**PROPOSED 24" WATER MAIN**  
STA. 131+00 TO STA. 141+00

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

MATCHLINE STA 131+00  
SEE SHEET C3.15

MATCHLINE STA 141+00  
SEE SHEET C3.17

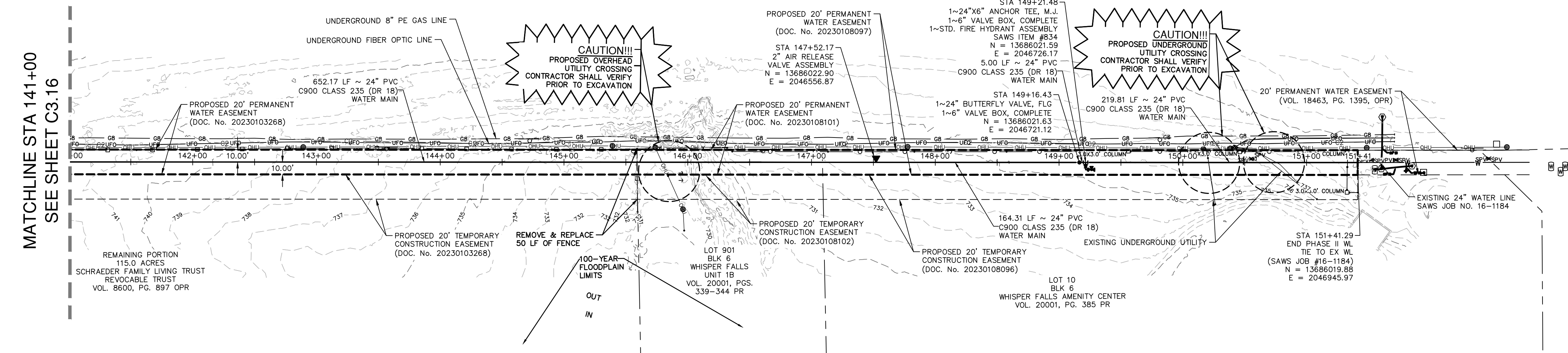
**DISINFECTION AND CONNECTION NOTES:**

FOR CHLORINE INJECTION:  
 2-1" CORPORATION STOP, C.C. X LP.  
 2-1" COPPER TUBING, CUT AS REQ'D  
 2-1 1/2" THD. SOLID CAPS, THR.  
 2-1" COMP. X 1 1/2" COUPLING, CURB STOP  
 CONTRACTOR SHALL PROVIDE A 2" JUMPER CONNECTION TO LOAD NEW MAIN

AFTER RELEASED FOR SERVICE,  
 TIE IN PROPOSED 16" PVC WATER MAIN INTO EXISTING 24" WATER MAIN (SAWS JOB NO. 16-1184) WITH:  
 1- 24" GATE VALVE, M.J.  
 1- 6" VALVE BOX, COMPLETE  
 VALVE TO REMAIN CLOSED UNTIL AFTER DISINFECTION BY CONTRACTORS & ACCEPTANCE BY SAWS.

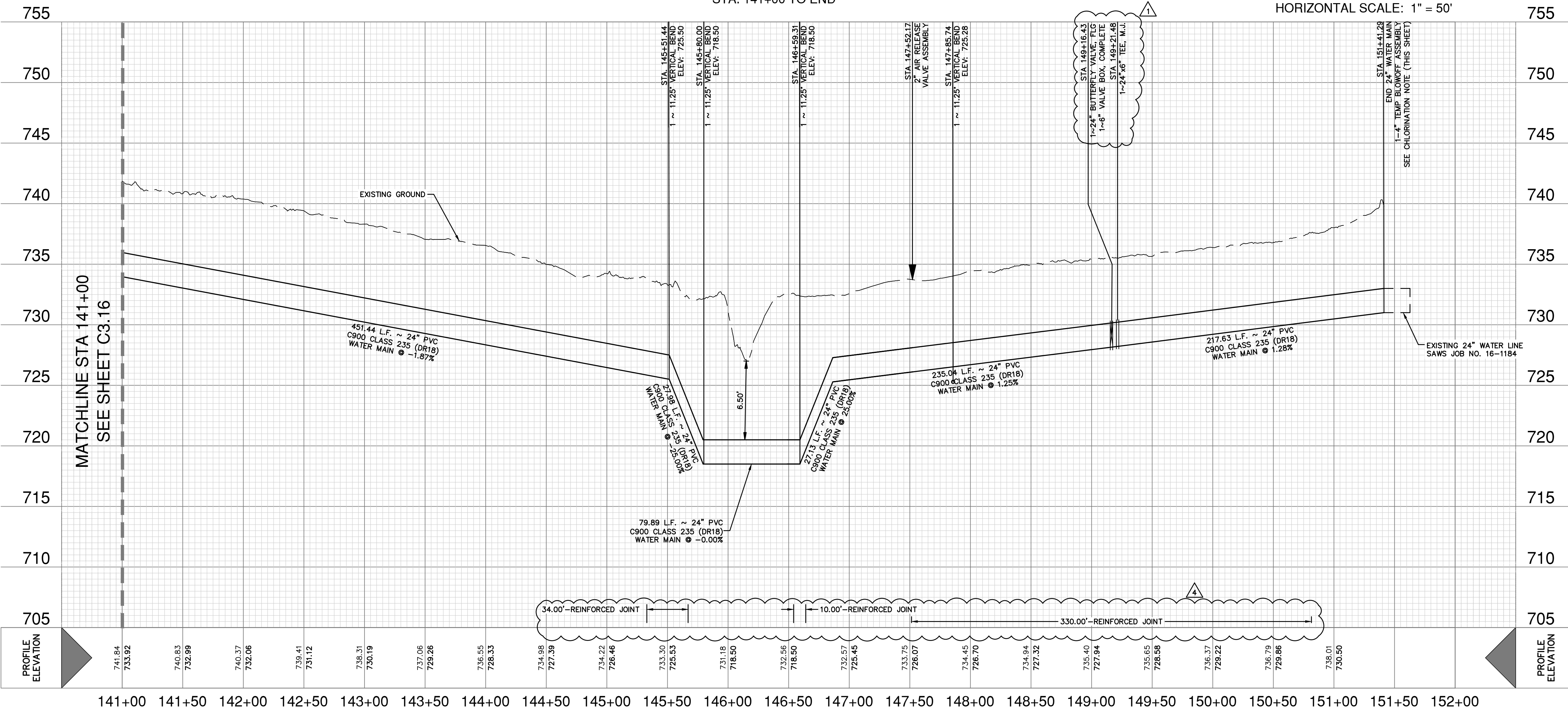
2" BLOWOFF ASSEMBLY (TEMPORARY)  
 REF. SAWS STD. DWG DD844-01

CONTRACTOR SHALL TIE INTO EXISTING 16" WATER MAIN (SAWS JOB NO. 16-1184). AFTER DISINFECTION AND ACCEPTANCE BY SAWS.

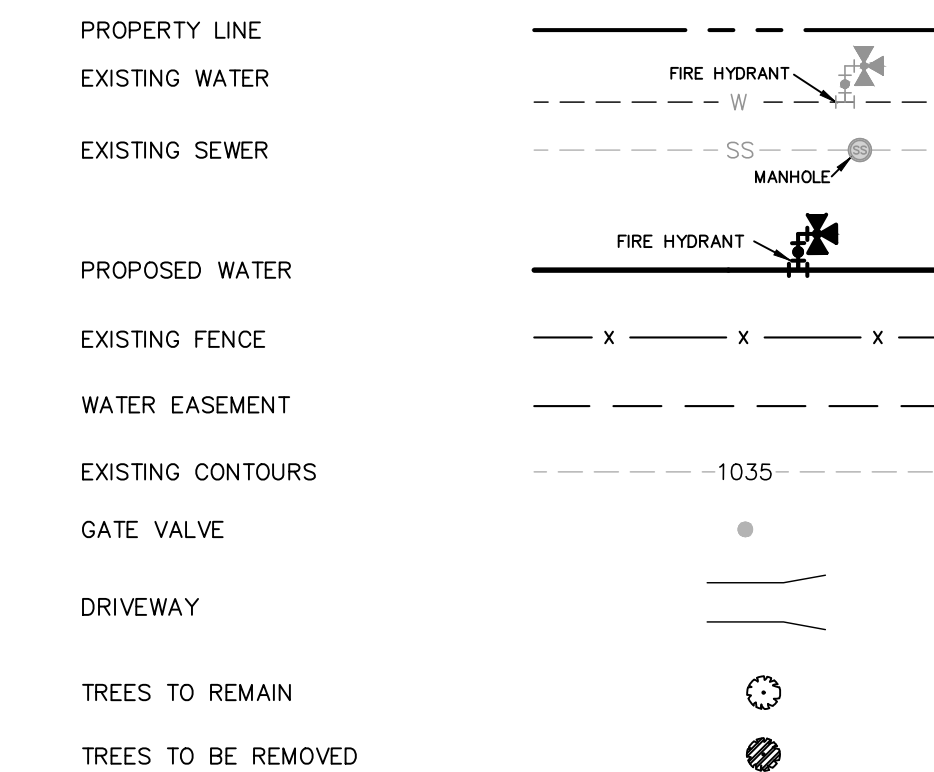


PROPOSED 24" WATER MAIN  
 STA. 141+00 TO END

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



**WATER LEGEND**



**CAUTION UNDERGROUND UTILITIES**

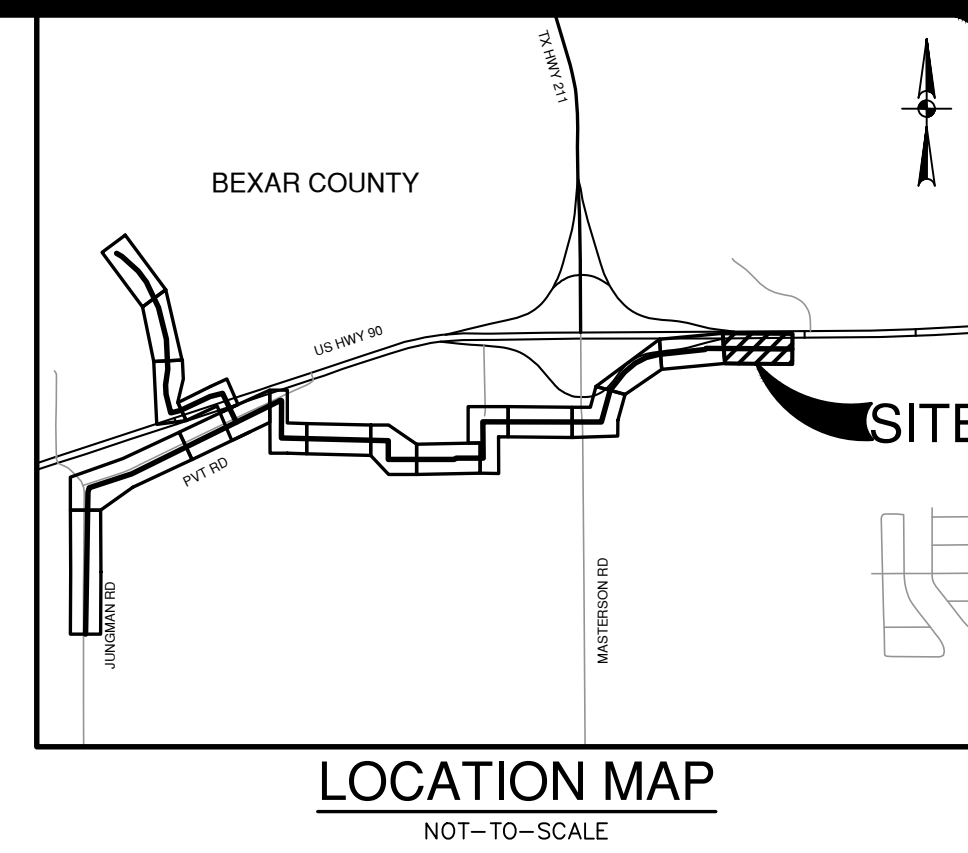
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**WATER: SAWS PRESSURE ZONE 930  
 STONEHILL OFF-SITE WATER EXTENSION**

Developer's Name: DR HORTON  
 Address: 211 NORTH LOOP 1604, SUITE 130  
 City: SAN ANTONIO State: TEXAS Zip: 78232  
 Phone: (210) 498-2668 FAX: N/A  
 SAWS Block Map #: 078558-074558  
 Phase I - 4,765 LF ~ 16" PVC WATER Total Acreage: 8.14  
 Total Linear Footage of Pipe Phase II - 15,036 LF ~ 24" PVC WATER Plat No. N/A  
 Number of Lots: N/A TOTAL EDU'S: N/A SAWS JOB NO. 23-7003



LOCATION MAP  
 NOT-TO-SCALE

**QUANTITY TABLE**

ITEM NO	DESCRIPTION	UNIT	QUANTITY
550	TRENCH EXCAVATION PROTECTION	LF	1038
818	24" PVC PIPE CLASS 235 (DR 18) (OPEN CUT) WITH FITTINGS, BEDDING	LF	1038
830	24" BUTTERFLY VALVE, M.J. WITH 6" VALVE BOX, COMPLETE	EA	1
834	STD. FIRE HYDRANT ASSEMBLY	EA	1
846	8" AIR RELEASE VALVE ASSEMBLY	EA	1

DATE: 11/20/2023  
 12/01/2023

NO.	REVISION	ADDDUM
1	ADDDUM 1	ADDDUM 4
2		



**PAPE-DAWSON ENGINEERS**  
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
 TEXAS ENGINEERING FIRM #479 | TEXAS SURVEYING FIRM #1008800

**STONEHILL OFF-SITE WATER EXTENSION**  
 BEXAR COUNTY, TEXAS  
 PHASE II - WATER MAIN PLAN AND PROFILE  
 STA. 141+00 TO END

PLAT NO.	N/A
JOB NO.	12747-00
DATE	DECEMBER 2023
DESIGNER	CN
CHECKED	SG DRAWN JD
SHEET	C3.17

Date: June 1, 2023, 10:35 AM - User ID: crenning  
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