

UPPER WEST TO EAST TRANSMISSION LINE AND 8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

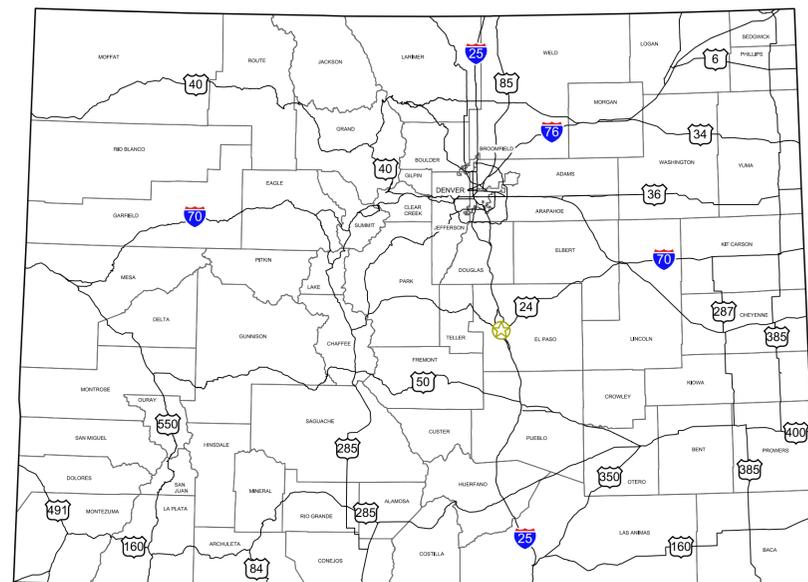
Resolved - dsdpackman
01/18/2023 11:03:39 AM

Update title to include
"Construction
Drawings"

Unresolved - dsdpackman
01/18/2023 11:13:43 AM

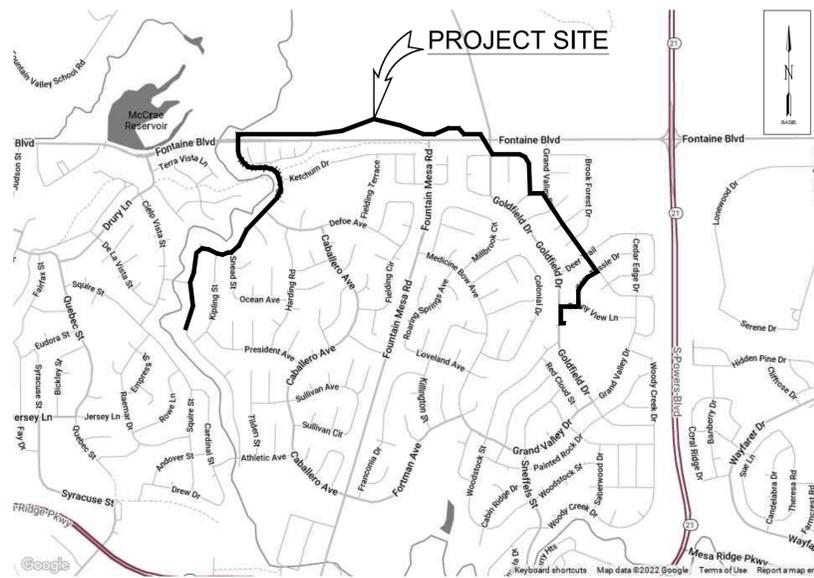
Please add to the signature blocks the following signature block:
" the requirements of the grading and erosion control plan and all
of the requirements specified in these detailed plans and
specifications.

[Name, Title] Date
[Business Name]
[Address] *



COLORADO

STATE MAP
NO SCALE



AREA
NO SCALE

SIGNATURE BLOCKS:

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.
IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

JOSHUA PALMER, P.E. DATE
COUNTY ENGINEER / ECM ADMINISTRATOR

DISTRICT APPROVALS

THE WIDEFIELD WATER AND SANITATION DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN AND HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

**WIDEFIELD WATER AND SANITATION DISTRICT
WATER DESIGN APPROVAL**

DATE: 10/25/2022 BY: Robert Bausler
PROJECT NO. 2022.879.2044

IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT THE STANDARDS AS DEFINED IN THE "RULES AND REGULATIONS FOR INSTALLATION OF WATER MAINS AND SERVICES" SHALL RULE.

APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID DETAILS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE DISTRICT.

PAUL M. BANSCHBACH, P.E. #59830 DATE 10/05/2022
GARVER

GARVER PROJECT NO. 21W23110
OCTOBER 2022



5251 DTC Parkway,
Suite 420
Greenwood Village, CO 80111
(303) 721-6932



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10/05/2022

REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER
AND SANITATION
DISTRICT
WIDEFIELD, COLORADO
UPPER WEST TO EAST
TRANSMISSION LINE

COVER SHEET

JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC

BAR IS ONE INCH ON
ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
01-G001
SHEET
NUMBER **01**

File: L:\2021\21W23110 - WWSWD UW2E CMARDrawings\WWSWD UW CMAR - 01 - G001.dwg, Last Save: 10/04/2022 4:24 PM, Last saved by: UOPerez, Last plotted by: Perez, Ulices O, Plot Style: AECmono.ctb, Plot Date: 10/04/2022 4:25 PM, Plotter used: None

File: L:\2021\12\12\23110 - WWSDD UW2E CMAR\Drawings\WWSDD UW CMAR - 01 - G002.dwg Last Save: 10/04/2022 1:29 PM Last saved by: ESMartinez
Last plotted by: Perez, Ulises O Plot Style: AECmono.ctb Plot Scale: 1:1 Plot Date: 10/04/2022 4:25 PM Plotter used: DWG To PDF.pc3

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10/05/2022

REV.	DATE	DESCRIPTION	BY


 WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

SHEET INDEX

JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
01-G002
SHEET NUMBER **02**

File: L:\2021\12\23\110 - WWSID UW2E CMAR\Drawings\WWSID UW CMAR - 01 - G003.dwg, Last Saved: 8/14/2022 12:23 PM, Last saved by: FJChavez
Last plotted by: Perez, Ulises O., Plot Style: AECmon.ctb, Plot Scale: 1:1, Plot Date: 10/4/2022 4:25 PM, Plotter used: DWG To PDF, p33

ABBREVIATIONS		ABBREVIATIONS		ABBREVIATIONS		LINETYPES (CONT'D)		SYMBOLS (CONT'D)		GENERAL CONVENTIONS	
ABBREV	DESCRIPTION	ABBREV	DESCRIPTION	ABBREV	DESCRIPTION	LINETYPE	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ABDN	ABANDON	LG	LONG	V	VOLT, VALVE	---	TOS	---	TOE OF SLOPE		SLOPE DIRECTION INDICATOR
AFF	ABOVE FINISHED FLOOR	LIN	LINEAL, LINEAR	VERT	VERTICAL	---	---	---	TREE LINE		TREE LINE
APP	APPURTENANCE	LOC	LOCATION	VPI	VERTICAL POINT OF INTERSECTION	---	---	---	UNDERGROUND CABLE TV		SPRINKLER HEAD
APPROX	APPROXIMATE	LT	LEFT	VT	VENTILATOR	---	---	---	UNDERGROUND TELECOM		SURVEY CONTROL POINT
ARV	AIR RELEASE VALVE	MANUF	MANUFACTURER	W	WATER, WEST, WIDTH	---	---	---	UNDERGROUND ELECTRIC		STORM DRAIN MANHOLE
ASPH	ASPHALT	MAX	MAXIMUM	W/O	WITHOUT	---	---	---	UNDERGROUND FIBER OPTIC TELECOM		TELEPHONE JUNCTION BOX
ASSY	ASSEMBLY	MGD	MILLION GALLONS PER DAY	WL	WATER LINE	---	---	---	WATER EDGE		TELEPHONE MANHOLE
AVE	AVENUE	MH	MANHOLE	WS	WATERSTOP	---	---	---	WATER LINE		TELEPHONE PEDESTAL
BC	BACK OF CURB	MIN	MINIMUM	WTM	WATER TRANSMISSION MAIN	---	---	---	EXISTING WATER LINE		TELEVISION PEDESTAL
BLDG	BUILDING	MISC	MISCELLANEOUS	WWF	WELDED WIRE FABRIC	---	---	---	EXISTING TRANSMISSION MAIN		TRAFFIC CONTROL BOX
BLK	BLOCK	MJ	MECHANICAL JOINT	X	BY	---	---	---	WATER SERVICE LINE		TRAFFIC SIGNAL POLE/ RAILROAD SIGNAL POLE
BLVD	BOULEVARD	N	NORTH			---	---	---	WETLANDS		TRANSFORMER
BM	BENCHMARK	NE	NORTHEAST			---	---	---	12" INDICATES SIZE OF LINE		UTILITY POLE
BOT	BOTTOM	NPW	NON-POTABLE WATER			---	---	---	EXISTING PIPE TO BE REMOVED		VALVE
BOTOC	BY OTHER THAN OPEN CUT	NW	NORTHWEST			---	---	---	EXISTING PIPE TO BE ABANDONED		WATER METER
BOP	BOTTOM OF PIPE	NIC	NOT IN CONTRACT			---	---	---	NEW PIPELINE		WELL
BOV	BLOW-OFF VALVE	NO.#	NUMBER			---	---	---	CONSTRUCTION ACCESS ZONE		YARD HYDRANT/SPIGOT
BV	BUTTERFLY VALVE	NTS	NOT TO SCALE			---	---	---	CRUDE OIL		DEMOLISH
CAV	COMBINATION AIR AND VACUUM	NWLS	NORMAL WATER SURFACE LEVEL			---	---	---	CULVERT PIPE		EXISTING ASPHALT
CDPHE	COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIROMENT	OC	ON CENTER			---	---	---	ELECTRIC FENCE		PROPOSED ASPHALT
		OD	OUTSIDE DIAMETER			---	---	---	EXISTING EASEMENT		EXISTING CONCRETE
CI	CAST IRON	OVF	OVERFLOW			---	---	---	EXISTING STREAM		PROPOSED CONCRETE
CIP	CAST IRON PIPE	PC	POINT OF CURVE			---	---	---	FENCE		GRAVEL ROAD OR DRIVE
CJ	CONSTRUCTION JOINT	PD	PROCESS DRAIN			---	---	---	FIRE LINE		BORE/RECEIVING PIT
CL	CENTERLINE, CLASS	PE	PLAIN END			---	---	---	FLOODPLAIN		UNDERGROUND COMMUNICATION
CO	COMPANY	PI	POINT OF INTERSECTION			---	---	---	FLOODWAY		PROPERTY PIN
CONC	CONCRETE	PL, PLS	PLATE, PLACES			---	---	---	FLOWLINE		RAILROAD SWITCH BOX
CONN	CONNECTION	PO	PUSH ON			---	---	---	GAS LINE		SANITARY SEWER MANHOLE
CONT	CONTINUOUS	PP	POWER POLE			---	---	---	GUARD RAIL		SIGN
CP	CONTROL POINT	PROP	PROPOSED			---	---	---	LIQUID NATURAL GAS		MANHOLE
CPI	COMBINATION POINT OF INTERSECTION	PRC	POINT OF REVERSE CURVE			---	---	---	NATURAL GAS		AIR RELEASE VALVE
DI	DUCTILE IRON	PSI	POUNDS PER SQUARE INCH			---	---	---	NON-POTABLE WATER		BLOW-OFF VALVE
DISTRICT	DISTRICT	PT	POINT OF TANGENT			---	---	---	OVERHEAD CABLE TV		BUTTERFLY VALVE
DIA	DIAMETER	R, RAD	RADIUS			---	---	---	OVERHEAD COMMUNICATION		AIR RELEASE VALVE
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE			---	---	---	OVERHEAD ELECTRICAL TRANSMISSION		BLOW-OFF VALVE
E	EAST	RD	ROAD			---	---	---	PAVEMENT REPAIR		FLAG POLE
EA	EACH	RED	REDUCER			---	---	---	PERMANENT EASEMENT		FLARED END SECTION (FES)
EL, ELEV	ELEVATION	REINF	REINFORCEMENT			---	---	---	PROPOSED PERMANENT EASEMENT		GAS METER
ELEC	ELECTRICAL	REQD	REQUIRED			---	---	---	POTABLE WATER		GAS REGULATOR
EOP	EDGE OF PAVEMENT	RJ	RESTRAINED JOINT			---	---	---	PROPERTY LINE		GEOTECHNICAL BORE
EPC	EL PASO COUNTY	ROW, R/W	RIGHT-OF-WAY			---	---	---	RAILROAD TRACKS		GUY WIRE ANCHOR
ESMT	EASEMENT	RP	RADIUS POINT			---	---	---	RAW WATER LINE		IRRIGATION CONTROL VALVE
EQ	EQUAL	RS	RESILIENT SEAT			---	---	---	RIGHT-OF-WAY		LIGHT POLE
EX, EXIST	EXISTING	RT	RIGHT			---	---	---	RIP RAP		MAILBOX
EXP	EXPANSION	RW	RAW WATER LINE			---	---	---	SALT WATER LINE		MONITORING WELL
FCJ	FLOOR CONSTRUCTION JOINT	S	SOUTH, SLUDGE			---	---	---	PROPOSED SANITARY SEWER		PROCESS DRAIN MANHOLE
FES	FLARED END SECTION	SCH	SCHEDULE			---	---	---	EXISTING SANITARY SEWER		
FFE	FINISHED FLOOR ELEVATION	SD	STORM DRAIN			---	---	---	SECTION/TOWNSHIP/RANGE LINE		
FH	FIRE HYDRANT	SDMH	STORM DRAIN MANHOLE			---	---	---	SEWER SERVICE LINE		
FG	FINISH GRADE	SE	SOUTHEAST			---	---	---	SILT FENCE		
FL	FLOWLINE	SECT	SECTION			---	---	---	STORM DRAIN		
FLG	FLANGED	SHT	SHEET			---	---	---	TEMPORARY CONSTRUCTION EASEMENT		
FRP	FIBERGLASS REINFORCED PIPE	SPEC	SPECIFICATIONS			---	---	---	TEMPORARY CONSTRUCTION EASEMENT		
FT	FEET, FOOT	SQ	SQUARE			---	---	---	TOP OF BANK		
FTG	FOOTING	SQ FT	SQUARE FEET			---	---	---			
G	GUTTER	SS	SANITARY SEWER			---	---	---			
GEO	GEOTECHNICAL	ST	STREET			---	---	---			
GL	GAS LINE	STA	STATION			---	---	---			
GR	GRADE	STD	STANDARD			---	---	---			
GV	GATE VALVE	SW	SIDEWALK, SOUTHWEST			---	---	---			
HDWL	HEADWALL	SY	SQUARE YARDS			---	---	---			
HORIZ	HORIZONTAL	T&B	TOP AND BOTTOM			---	---	---			
HPI	HORIZONTAL POINT OF INTERSECTION	TBM	TEMPORARY BENCHMARK			---	---	---			
HWY	HIGHWAY	TC	TIME CLOCK, TOP OF CURB			---	---	---			
ID	INSIDE DIAMETER	TEMP	TEMPORARY, TEMPERED			---	---	---			
IN	INCHES	THK	THICKNESS			---	---	---			
INF	INFLUENT	TOC	TOP OF CURB			---	---	---			
INV	INVERT	TOP	TOP OF PIPE			---	---	---			
JT	JOINT	TS	TOP OF SIDEWALK			---	---	---			
LEN	LENGTH	TYP	TYPICAL			---	---	---			
LF	LINEAR FEET	UL	UTILITY			---	---	---			
		UNO	UNLESS NOTED OTHERWISE			---	---	---			

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PAUL W. BANSCHBACH
00598303
PROFESSIONAL ENGINEER
10/05/2022

REV.	DATE	DESCRIPTION	BY

0 10' 20' 40' 60'
(IN FEET)

PROJECT NORTH

TITLE
SCALE: NONE

CAUTION! EXIST. XXX

CLOUDED REGION INDICATES A REVISED AREA

TITLE DENOTES A CIVIL/UTLITY DETAIL (THIS EXAMPLE IS DETAIL 1 ON DRAWING NUMBER 01-G8001)

SYMBOL INDICATES NORTH DIRECTION

SYMBOL INDICATES A GRAPHICAL BAR SCALE

WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

ABBREVIATIONS AND LEGEND

JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
01-G003

SHEET NUMBER
03

GENERAL CIVIL NOTES

- SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR SAFETY, MEANS, OR METHODS OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL APPROPRIATE AGENCIES BEFORE WORK COMMENCES TO VERIFY THE TYPE, LOCATION, PROTECTION REQUIREMENTS, DEPTH OF ALL EXISTING UTILITIES, DRAINAGE FACILITIES, AND OTHER OBSTRUCTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REPAIRING AND/OR REPLACING ANY SUCH ITEMS DAMAGED DURING CONSTRUCTION.
- CAUTION: UNDERGROUND UTILITIES SHOWN ARE TAKEN FROM EXISTING RECORDS AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL CONTACT ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ACCURATELY LOCATE AND UNCOVER ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. WHERE CROSSING OF EXISTING UTILITIES OCCUR, PROVIDE 12" MINIMUM CLEARANCE EXCEPT WATER MAINS SHALL BE 24". CROSS UNDER ALL WATER MAINS WHERE NOT POSSIBLE TO PROVIDE 18" CLEARANCE.
- SEWER AND WATER SERVICE SHALL BE MAINTAINED DURING ENTIRE CONSTRUCTION PERIOD OR TEMPORARY FACILITIES PROVIDED.
- CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING ACTIVITIES AND ASSOCIATED PERMITS REQUIRED FOR ALL EXCAVATIONS REQUIRED TO COMPLETE THE PROJECT.
- APPROXIMATE LOCATIONS OF OVERHEAD POWER LINES MAY OR MAY NOT BE SHOWN ON PLANS. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL LOCATIONS IN THE FIELD AND PLAN WORK IN THESE AREAS ACCORDINGLY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE DRAINAGE AND COMPLIANCE WITH ALL GOVERNMENTAL STORM WATER REGULATIONS AND PERMITS (SWPPP) AS REQUIRED. CONTRACTOR SHALL OBTAIN NOI FROM APPROPRIATE STATE BODY PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PERMITS REQUIRED FOR WORK WITHIN STREAMS.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE TRAFFIC CONTROL AND SIGNAGE FOR THE DURATION OF PROJECT AS REQUIRED BY THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - PART VI, AND/OR ALL OTHER APPLICABLE GUIDELINES OF CDOT, COUNTY, CITY OR ANY OTHER AUTHORITIES HAVING JURISDICTION OVER THE PROJECT AREAS. ALL ROAD CLOSURE MUST BE APPROVED BY THE CITY OF WIDEFIELD TRAFFIC ENGINEER PRIOR TO ANY PUBLIC ROAD CLOSURES.
- CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW TO RESIDENCES AND BUSINESS WITH MINIMUM DISRUPTION OF ACCESS.
- ALL STREETS AND DRIVEWAYS SHALL BE OPEN CUT UNLESS NOTED OTHERWISE.
- ALL EXCAVATION BACKFILL OUTSIDE TRAFFIC WAYS SHALL BE COMPACTED TO MIN 95% STANDARD PROCTOR DENSITY TO PREVENT SETTLEMENT.

PAVING AND GRADING NOTES

- ALL PAVING MATERIALS AND CONSTRUCTION SHALL MEET THE EPC STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
- ANY PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO EQUAL OR BETTER CONDITION AT THE CONTRACTORS EXPENSE.
- ANY DISTURBED AREAS NOT SPECIFICALLY DESIGNATED TO BE GRADED SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AND SHALL BE GRADED TO DRAIN AS APPROVED BY THE ENGINEER.
- FINAL PAVEMENT SURFACES SHALL NOT BE PLACED UNTIL ALL MAJOR CONSTRUCTION ACTIVITIES HAVE CONCLUDED.
- ANY CHANGES TO FINAL GRADE ELEVATIONS AS SHOWN ON THE PLANS SHALL BE APPROVED BY THE ENGINEER.
- ALL ASPHALT AND CONCRETE PAVING REMOVED AND REPLACED SHALL BE NEAT SAW CUT.
- ALL OPEN CUT TRAFFIC WAYS (ROADS, PARKING LOTS, DRIVES, ETC.) AND ALL AREAS LYING WITHIN PRISM OF TRAFFIC WAYS, SHALL BE BACKFILLED WITH NATIVE MATERIAL AND CLASS 6 AGGREGATE BASE COURSE (ABC) IN ACCORDANCE WITH COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) PAVING REQUIREMENTS, COMPACTED WITH VIBRATORY COMPACTOR MAXIMUM 6" LIFTS AND COMPACTED TO MINIMUM 100%-98% MODIFIED PROCTOR DENSITY TO PREVENT SETTLEMENT FOR ITS ENTIRE TRENCH HEIGHT AND WIDTH. COMPACTED "PUG-MIX" SHALL BE USED AND MAINTAINED IN TOP 12" OF TRENCH HEIGHT AS REQUIRED TO PREVENT AGGREGATE LOSS DUE TO TRAFFIC.
- FOR THE PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO:
 - INSTALL CLASS 6 ABC AT 6" DEPTH AND 12' WIDTH, CENTERED WITH THE PIPE CENTERLINE, COMPACTED TO 95% DENSITY PER ASTM D1557 AT OPTIMUM MOISTURE CONTENT.
 - PROOF ROLL EXISTING SUBGRADE PRIOR TO INSTALLING 6" DEPTH ABC.
 - ANY WEAR AREAS SHALL BE STRIPPED DOWN 12", THEN FILLED WITH CLASS 6 ABC, RE-COMPACTED AND PROOF ROLLED.
- INSTALL 12' GATE AT EACH ENTRANCE/EXIT AND RESTORE CONNECTION TO EXISTING FENCE. CONTRACTOR TO CONFIRM AND PROVIDE OWNER REQUIRED SIGNAGE, GATE LOCKING DEVICES AND MECHANISMS.

PIPING NOTES

- MINIMUM COVER OVER PIPING SHALL BE 4'-0", MEASURED FROM FINISHED GRADE.
- PROVIDE MINIMUM PIPE COVER, AS SPECIFIED. IN GENERAL LAY PIPE TO UNIFORM GRADES BETWEEN THE ELEVATIONS SHOWN, UNLESS OTHERWISE APPROVED. IN SOME CASES, EXISTING CONDITIONS PROHIBIT UNIFORM GRADES BETWEEN THE ELEVATIONS SHOWN, AND FIELD ADJUSTMENTS TO UNIFORM GRADES ARE REQUIRED AS APPROVED BY ENGINEER.
- SIZE OF FITTINGS SHOWN ON PLANS SHALL CORRESPOND TO ADJACENT STRAIGHT RUN OF PIPE, UNLESS OTHERWISE INDICATED. TYPE OF JOINT AND FITTING MATERIAL SHALL BE AS SPECIFIED FOR ADJACENT STRAIGHT RUN OF PIPE.
- ALL JOINTS SHALL BE WATERTIGHT.
- THRUST AT FITTINGS SHALL BE RESISTED BY RESTRAINED JOINTS OR CONCRETE REVERSE ANCHORS AS SPECIFIED AND AS REQUIRED TO RESIST THRUST, UNLESS OTHERWISE APPROVED BY ENGINEER. SEE THRUST RESTRAINT DETAILS (W-25) C502
- CONTRACTOR SHALL LOCATE AND UNCOVER ALL CONNECTIONS TO EXISTING LINES, AND ANY POSSIBLE CONFLICTS WITH PROPOSED FACILITIES AND VERIFY LOCATION, ELEVATION, PIPE MATERIAL, AND PIPE O.D. PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING BURIED PIPING AND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGED UNDERGROUND FACILITIES.
- ALL PIPELINE SHUTDOWNS SHALL BE COORDINATED WITH THE DISTRICT. A WRITTEN WORK PLAN SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER AND DISTRICT 24 HOURS PRIOR TO ANY SHUTDOWNS.
- ROCK SHALL BE UNDERCUT A MINIMUM OF 4". NO SEPARATE PAY ITEM EXISTS FOR ROCK EXCAVATION. ALL EXCAVATION SHALL BE CONSIDERED TO BE UN-CLASSIFIED EXCAVATION AND SUBSIDIARY TO OTHER BID ITEMS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF THE EXISTING PIPE AND ANY EXCESS MATERIALS RESULTING FROM THE WORK. FOR ASBESTOS CONTAINING MATERIALS (ACM), CONTRACTOR SHALL COMPLY WITH CDPHE REGULATION 8 CONTROL OF HAZARDOUS AIR POLLUTANTS 5 CCR 1001-10. REFER TO PART B ASBESTOS CONTROL. CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED INSPECTION, NOTIFICATIONS AND PERMITS.
- CONTRACTOR SHALL PREVENT STORM WATER AND DEBRIS FROM ENTERING PIPES AND MANHOLES AT ALL TIMES. ALL PIPES AND MANHOLES SHALL BE SECURELY PLUGGED AT THE END OF EACH DAY.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND VERIFYING THE WATER MAIN PARALLEL AND CROSSING INSTALLATIONS WITH NON-POTABLE PIPES OR SOURCES OF POLLUTION (E.G., SANITARY AND STORM SEWERS, ETC.) MEET SEPARATION REQUIREMENTS AS OUTLINED BY CDPHE. CONTRACTOR TO UTILIZE V-BIO POLYWRAP FOR SECONDARY CONTAINMENT WHERE WATER AND WASTEWATER SEPARATION IS LESS THAN 10' HORIZONTAL AND 18" VERTICAL AT STATIONS IDENTIFIED BELOW.

POLYWRAP LENGTHS FOR SECONDARY CONTAINMENT NEAR POSSIBLE POLLUTION SOURCES < 10 FEET HORIZONTAL SEPARATION & < 18 INCHES VERTICAL SEPARATION		
SHEET	BEGIN STA	END STA
08	10+26	14+00
09	14+00	19+00
10	19+00	24+00
11	24+00	29+00
12	29+00	34+00
13	34+00	39+00
14	39+00	39+44
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	91+87	94+00
25	94+00	99+00
26	99+00	104+00
27	104+00	109+00
28	109+00	114+00
29	114+00	119+00
30	119+00	124+00
31	124+00	129+00
32	129+00	130+13

- CONTRACTOR IS RESPONSIBLE FOR PERFORMING AND COMPLYING WITH COLORADO REQUIREMENTS FOR DEWATERING. CONTRACTOR TO CONFIRM THE APPLICABLE DEWATERING DISCHARGE MEANS AND METHODS, AND WILL COORDINATE PERMITTED DEWATERING DISCHARGE TO SANITARY SEWER WITH OWNER AND ENGINEER PRIOR TO DISCHARGING.
- CONTRACTOR IS RESPONSIBLE FOR DISINFECTION. FOR TANK DISINFECTION, CONTRACTOR IS RESPONSIBLE TO FOLLOW CDPHE DESIGN CRITERIA FOR POTABLE WATER SYSTEMS 7.0.18 IN ACCORDANCE WITH AWWA STSANDARD C652 AND SECTION 2.15. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DISINFECTION WASTEWATER DISCHARGE WITH OWNER AND ENGINEER PRIOR TO DISCHARGING.

Resolved - dsdpackman
01/18/2023 12:43:30 PM

Add the following note to the general notes: "Construction easements will be required if encroaching into private property during the construction process." and "A work in the ROW permit will be required for all construction work within the ROW."

Resolved - dsdpackman
01/18/2023 12:43:27 PM

Add the following EPC Construction Notes:

*Standard Notes for El Paso County Construction Plans

All drainage and roadway construction shall meet the standards and specifications of the City of Colorado Springs/El Paso County Drainage Criteria Manual, Volumes 1 and 2, and the El Paso County Engineering Criteria Manual.

Contractor shall be responsible for the notification and field notification of all existing utilities, whether shown on the plans or not, before beginning construction. Location of existing utilities shall be verified by the contractor prior to construction. Call 811 to contact the Utility Notification Center of Colorado (UNCC).

Contractor shall keep a copy of these approved plans, the Grading and Erosion Control Plan, the Stormwater Management Plan (SWMP), the soils and geotechnical report, and the appropriate design and construction standards and specifications at the job site at all times, including the following:

El Paso County Engineering Criteria Manual (ECM)

City of Colorado Springs/El Paso County Drainage Criteria Manual, Volumes 1 and 2

Colorado Department of Transportation (CDOT) Standard Specifications for Road and Bridge Construction

CDOT M & S Standards

Notwithstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual Volume 2. Any deviations from regulations and standards must be requested, and approved, in writing. Any modifications necessary to meet criteria after-the-fact will be entirely the developer's responsibility to rectify.

It is the design engineer's responsibility to accurately show existing conditions, both onsite and offsite, on the construction plans. Any modifications necessary due to conflicts, omissions, or changed conditions will be entirely the developer's responsibility to rectify.

Contractor shall schedule a pre-construction meeting with El Paso County Planning and Community Development (PCD) – Inspections, prior to starting construction.

It is the contractor's responsibility to understand the requirements of all jurisdictional agencies and to obtain all required permits, including but not limited to El Paso County Erosion and Stormwater Quality Control Permit (ESQCP), Regional Building Floodplain Development Permit, U.S. Army Corps of Engineers-issued 401 and/or 404 permits, and county and state fugitive dust permits.

Contractor shall not deviate from the plans without first obtaining written approval from the design engineer and PCD. Contractor shall notify the design engineer immediately upon discovery of any errors or inconsistencies.

All storm drain pipe shall be Class III RCP unless otherwise noted and approved by PCD.

Contractor shall coordinate geotechnical testing per ECM standards. Pavement design shall be approved by El Paso County PCD prior to placement of curb and gutter and pavement.

All construction traffic must enter/exit the site at approved construction access points.

Sight visibility triangles as identified in the plans shall be provided at all intersections. Obstructions greater than 18 inches above flowline are not allowed within sight triangles.

Signing and striping shall comply with El Paso County DOT and MUTCD criteria. [If applicable, additional signing and striping notes will be provided.]

Contractor shall obtain any permits required by El Paso County DOT, including Work Within the Right-of-Way and Special Transport permits.

The limits of construction shall remain within the property line unless otherwise noted. The owner/developer shall obtain written permission and easements, where required, from adjoining property owner(s) prior to any off-site disturbance, grading, or construction.



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10/05/2022

REV.	DATE	DESCRIPTION	BY



GENERAL NOTES

JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC

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DRAWING NUMBER
01-G004
SHEET NUMBER
04

TABULATION OF PROPERTIES

PAR CEL NO.	OWNER(S)	PROPERTY ADDRESS*	LEGAL DESCRIPTION /RECEPTION NO.
93	EL PASO COUNTY	FOUNTAIN BLVD	TRACT B (R6) DEDICATED TO PUBLIC R.O.W.
94	EL PASO COUNTY	FOUNTAIN BLVD	TRACT B (R6) DEDICATED TO PUBLIC R.O.W.
95	AASHKH PROPERTIES LLC	6525 FOUNTAIN MESA RD	N160' W185' TRACT A (R7) REC. NO. 217082806
96	PALESTINO MEGAN K	6505 LATAH LN	LOT 4 (R8)
97	MATHIS SAN TORA M / ALISHA M	6513 LATAH LN	LOT 5 (R8)
98	MOLDEN MATTHEW TYLOR / ERIKA NIKOLE	7256 RIVER BEND RD	LOT 5, BLOCK 1 (R7)
99	CONLEY CHRISTOPHER / GAGNON KAYLEIGH	7260 RIVER BEND RD	LOT 4, BLOCK 1 (R7)
100	VENHORST KYLE	7270 RIVER BEND RD	LOT 3, BLOCK 1 (R7)
101	BUCKNER RICHARD / MEGAN J / JUSTIN M	7280 RIVER BEND RD	LOT 2, BLOCK 1 (R7)
102	MILES RONALD A / MARY J	7290 RIVER BEND RD	LOT 1, BLOCK 1 (R7)
103	SEARS JAMES J JR / MI NA	7310 RIVER BEND RD	LOT 1, BLOCK 4 (R7)
104	MCMINN PATRICK A / PAULA R	7320 RIVER BEND RD	LOT 2, BLOCK 4 (R7)
105	CAPON CONSTANCE L	7330 RIVER BEND RD	LOT 3, BLOCK 4 (R7)
106	BURGESS RICHARD B / YLDA	7340 RIVER BEND RD	LOT 4, BLOCK 4 (R7)
107	SMITH JEFFREY R / KATHRYN	7350 RIVER BEND RD	LOT 5, BLOCK 4 (R7)
108	WERNER JAMES E / LYNN A	7360 RIVER BEND RD	LOT 6, BLOCK 4 (R7)
109	NEIFERT PATRICEELIN MALIA	7410 RIVER BEND RD	LOT 7, BLOCK 4 (R7)
110	MCWHIRTER ANTOINETTE M, ET AL.	7414 RIVER BEND RD	LOT 8, BLOCK 4 (R7)
111	MANGIARELLI CHRISTINA M	7418 RIVER BEND RD	LOT 9, BLOCK 4 (R7)
112	GREEN JOSEPH	7422 RIVER BEND RD	LOT 10, BLOCK 4 (R7)
113	DANDURAND FAMILY TRUST / C/O JOHN GONZALEZ	7426 RIVER BEND RD	LOT 11, BLOCK 4 (R7)
114	SHERWOOD DAVID	7430 RIVER BEND RD	LOT 12, BLOCK 4 (R7)
115	GETSKOW MARK FREDRICK / LAUREEN ELIZABETH	7434 RIVER BEND RD	LOT 13, BLOCK 4 (R7) REC. NO. 219013029
116	SMITH MARCUS	7438 RIVER BEND RD	LOT 14, BLOCK 4 (R7)
117	SATOW CATHERINE L	7442 RIVER BEND RD	LOT 15, BLOCK 4 (R7)
118	HUNT KEVIN A / DENISE L / ALEXIS V	7420 RIVER BEND RD	LOT 16, BLOCK 4 (R7)
119	HATZENBELLER JOSHUA	6635 GRAND VALLEY DR	LOT 55, BLOCK 11 (R9)
120	GRIES PATRICK H / DEBRA L	6655 GRAND VALLEY DR	LOT 54, BLOCK 11 (R9)
121	ORTEGA FRANK R JR / THERESA L	7510 VINELAND TRL	LOT 53, BLOCK 11 (R9)
122	REINHOLTZ PHILIP N, ET AL.	7515 VINELAND TRL	LOT 42, BLOCK 11 (R9)
123	GILBERT JONEL R / TRI-HEO	7510 DOVE CREEK CIR	LOT 41, BLOCK 11 (R9)
124	RANNEY SHANE	7515 DOVE CREEK CIR	LOT 33, BLOCK 11 (R9)
125	HUMBLE DEVIN WAYNE / REGAUME TIFFANIE NICOLE	6770 BROOK FOREST DR	LOT 40, BLOCK 10 (R9)
126	ARTHUR JESSICA R	6785 BROOK FOREST DR	LOT 4, BLOCK 9 (R9)
127	TREVISIO ROBERT D / MEGAN C	6775 GRAND VALLEY DR	LOT 3, BLOCK 9 (R9)
128	WILLIAMS RICHARD A / EARLENE C	6815 GRAND VALLEY DR	LOT 2, BLOCK 9 (R9)
129	BEAUVAIS SHIRLEY L	7565 DEER TRL	LOT 1, BLOCK 8 (R9)
130	PLESS ANTWANN LEE	6890 CORN TASSLE DR	LOT 222, BLOCK 12 (R10)
131	KEEFER LEILANI LAVOYSE	6875 CORN TASSLE DR	LOT 243, BLOCK 14 (R10)
132	LIZARRAGA MARISELA / EVODIO	6915 CORN TASSLE DR	LOT 170, BLOCK 10 (R10)
133	ASHBY NANCY / JOHNSON DANIEL	6925 CORN TASSLE DR	LOT 169, BLOCK 10 (R10)
134	RAMIREZ HENRY / ALVAREZ MELISSA	6935 CORN TASSLE DR	LOT 168, BLOCK 10 (R10)
135	FLORIDA DYLAN / PRESLI	6945 CORN TASSLE DR	LOT 167, BLOCK 10 (R10)
136	CASPER LESLIE L / BETTY A	6955 CORN TASSLE DR	LOT 166, BLOCK 10 (R10)

TABULATION OF PROPERTIES

PAR CEL NO.	OWNER(S)	PROPERTY ADDRESS*	LEGAL DESCRIPTION /RECEPTION NO.
137	LIGHTFRITZ CHRISTOPHER J / CASSANDRA J	6965 CORN TASSLE DR	LOT 165, BLOCK 10 (R10)
138	SAN NICOLAS JOSEPH / LYNETTE S	6975 CORN TASSLE DR	LOT 164, BLOCK 10 (R10)
139	BARSTAD DWIGHT L / JUDY L	7555 SUNNY VIEW LN	LOT 163, BLOCK 9 (R10)
140	TIRADO GLORIA	7565 SUNNY VIEW LN	LOT 162, BLOCK 9 (R10)
141	WIDFIELD WATER & SANITATION DISTRICT	7545 SUNNY VIEW LN	REC. NO. 98129892
142	PRIDGON NATHANIEL M	6980 GOLDFIELD DR	LOT 1, BLOCK 1 (R11)
143	ALLEN JASON B / QUINONEZ TEODOSIA G	6970 GOLDFIELD DR	LOT 5, BLOCK 1 (R11)
144	ROSKOP GABRIELE I	6960 GOLDFIELD DR	LOT 4, BLOCK 1 (R11)
145	MANANDHAR ANUJ L / GINGER A	6950 GOLDFIELD DR	LOT 3, BLOCK 1 (R11)
146	KINNEY RONALD W / PAULA	6940 GOLDFIELD DR	LOT 2, BLOCK 1 (R11)
147	WILLIS BRIAN A / VERONICA M	6930 GOLDFIELD DR	LOT 1, BLOCK 1 (R11)
148	MARTINEZ SAMMIE V	6935 GOLDFIELD DR	LOT 195, BLOCK 11 (R10)
149	MAXIMENKO KYLE	6990 CORN TASSLE DR	LOT 196, BLOCK 11 (R10)
150	ESLINGER JAMES M / LINDA M	6980 CORN TASSLE DR	LOT 197, BLOCK 11 (R10)
151	YOUNG JEREMY D / VASQUEZ MELISSA A	6970 CORN TASSLE DR	LOT 198, BLOCK 11 (R10)
152	GODEC JAMES A / GODEC CHERYLL	6960 CORN TASSLE DR	LOT 199, BLOCK 11 (R10)
153	CASTANO DIANNA	6950 CORN TASSLE DR	LOT 200, BLOCK 11 (R10)
154	CASHATT JON / CHRISTINE	6940 CORN TASSLE DR	LOT 201, BLOCK 11 (R10)
155	DODSON KIMBERLY A	6930 CORN TASSLE DR	LOT 202, BLOCK 11 (R10)
156	MILLER DAVID A / MARY F	6920 CORN TASSLE DR	LOT 203, BLOCK 11 (R10)
157	BURTON SHERRI L	6910 CORN TASSLE DR	LOT 204, BLOCK 11 (R10)
158	CURTIS JAY W / REBECCA S	7555 DEER TRL	LOT 7, BLOCK 1 (R7)
159	HARDY VERDE B	7550 DEER TRL	LOT 30, BLOCK 6 (R7)
160	MARTELLO GEORGE F / VINCENTA C	7535 DEER TRL	LOT 29, BLOCK 6 (R7)
161	HERNANDEZ JESSICA	7530 COAL CREEK CIR	LOT 23, BLOCK 6 (R7)
162	ALVARDO MARK A JR / RUACHO MICAELA M	7495 DOVE CREEK CIR	LOT 22, BLOCK 6 (R7)
163	SCOTT RANDOLPH / ALMA D	7490 DOVE CREEK CIR	LOT 16, BLOCK 6 (R7)
164	BREON DENNIS W / BRENDA J	7455 VINELAND TR	LOT 15, BLOCK 6 (R7)
165	ELLSWORTH BENJAMIN / MIRANDA	7450 VINELAND TR	LOT 6, BLOCK 5 (R7)
166	GRAY MICHAEL J	7425 BUFFALO CREEK TRL	LOT 5, BLOCK 5 (R7)
167	GALLEGOS HOPE / MARTINEZ ERIC	7415 BUFFALO CREEK TRL	LOT 4, BLOCK 5 (R7)
168	COLE BRIAN / PABILONIA-COLE RENEE	7395 BUFFALO CREEK TRL	LOT 3, BLOCK 5 (R7)
169	WEBB DARREL D / BOBBIE J	7390 BUFFALO CREEK TRL	LOT 12, BLOCK 3 (R7)
170	LAMPTON RODGER / LISA	7441 RIVER BEND RD	LOT 13, BLOCK 3 (R7)
171	WEIDRICK MONICA L	7437 RIVER BEND RD	LOT 14 BLOCK 3 (R7)
172	AROS JAY DAREL	7433 RIVER BEND RD	LOT 15, BLOCK 3 (R7)
173	MITCHELL EDWARD	7429 RIVER BEND RD	LOT 16, BLOCK 3 (R7)
174	CROSBY LLOYD J / CAROLE F	7421 RIVER BEND RD	LOT 17, BLOCK 3 (R7)
175	MONINGER SCOTT	7365 RIVER BEND RD	LOT 18, BLOCK 3 (R7)
176	BOSSO RYAN M	6555 WHITE WATER LN	LOT 19, BLOCK 3 (R7)
177	BROWN WANDA E	6550 WHITE WATER LN	LOT 31, BLOCK 3 (R7)
178	CONNOLLY MICHAEL J / MARY S	6545 GOLDFIELD DR	LOT 1, BLOCK 3 (R7)
179	TRIPP RICHARD / CORA	6540 GOLDFIELD DR	LOT 10, BLOCK 2 (R7)
180	FOUNTAIN VALLEY SCHOOL	5311-6316 FOUNTAIN VALLEY SCHOOL RD	BOOK 834, PAGE 509
181	CITY OF COLORADO SPRINGS C/O PARK & RECREATION DEPT	S POWERS BLVD	REC. NO. 200150355



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10/05/2022

REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

TABULATION OF PROPERTIES

JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
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05-C328
SHEET NUMBER
06

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REV.	DATE	DESCRIPTION	BY

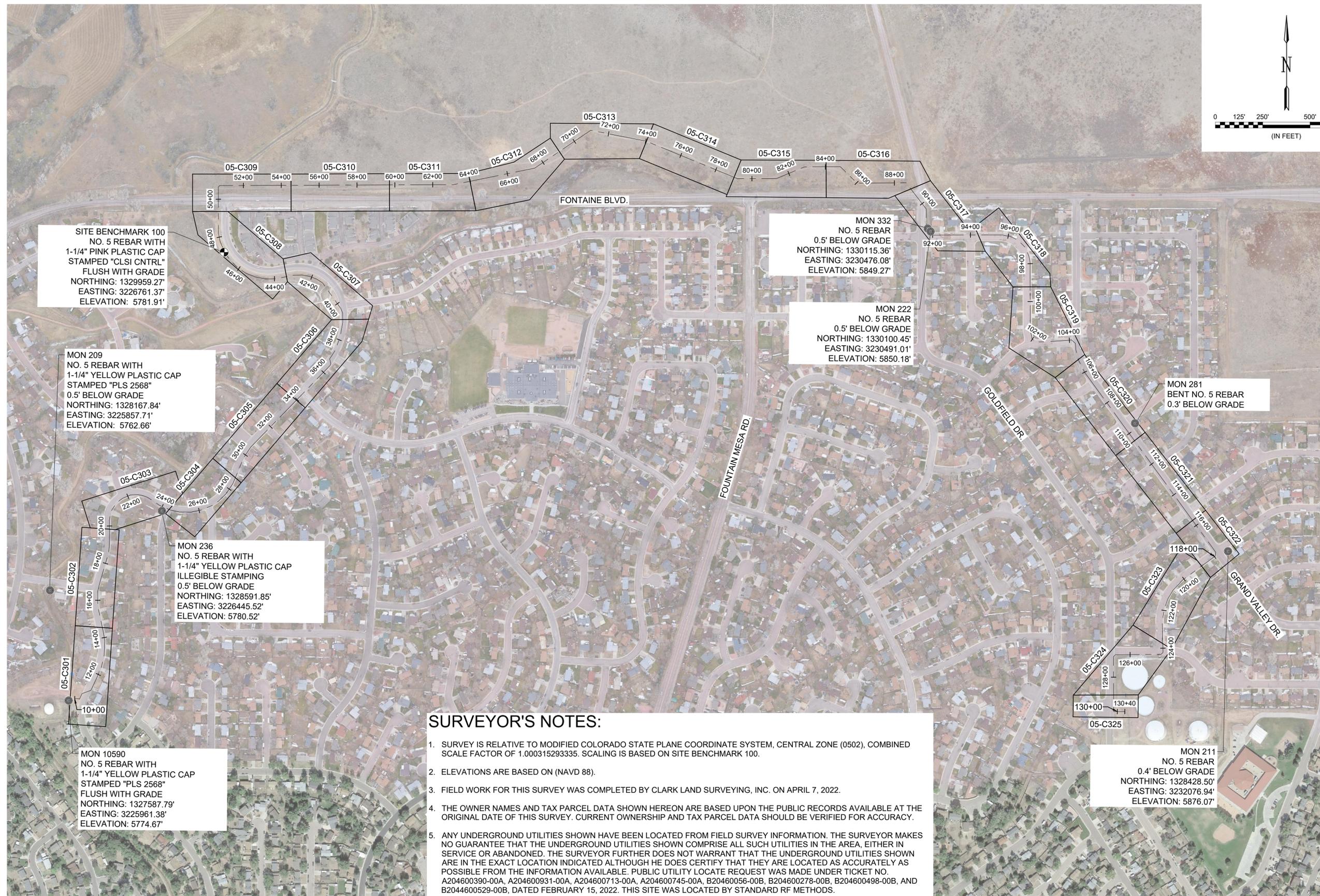
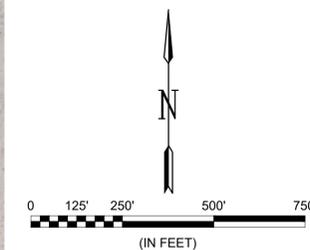
WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

OVERALL KEY MAP

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

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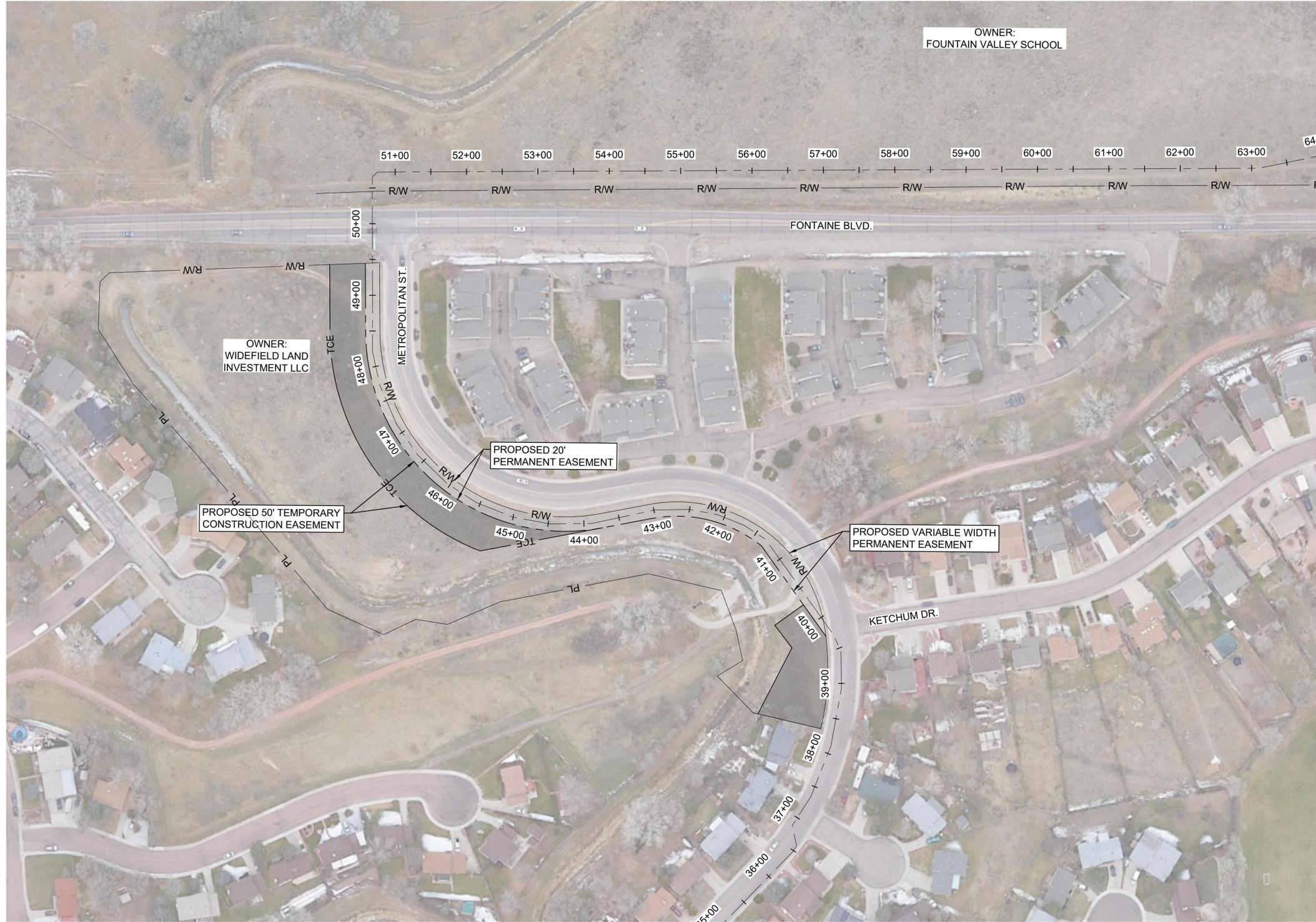
DRAWING NUMBER
05-C101
 SHEET NUMBER **07**



SURVEYOR'S NOTES:

1. SURVEY IS RELATIVE TO MODIFIED COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (0502), COMBINED SCALE FACTOR OF 1.000315293335. SCALING IS BASED ON SITE BENCHMARK 100.
2. ELEVATIONS ARE BASED ON (NAVD 88).
3. FIELD WORK FOR THIS SURVEY WAS COMPLETED BY CLARK LAND SURVEYING, INC. ON APRIL 7, 2022.
4. THE OWNER NAMES AND TAX PARCEL DATA SHOWN HEREON ARE BASED UPON THE PUBLIC RECORDS AVAILABLE AT THE ORIGINAL DATE OF THIS SURVEY. CURRENT OWNERSHIP AND TAX PARCEL DATA SHOULD BE VERIFIED FOR ACCURACY.
5. ANY UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. PUBLIC UTILITY LOCATE REQUEST WAS MADE UNDER TICKET NO. A204600390-00A, A204600931-00A, A204600713-00A, A204600745-00A, B20460056-00B, B204600278-00B, B204600498-00B, AND B204600529-00B, DATED FEBRUARY 15, 2022. THIS SITE WAS LOCATED BY STANDARD RF METHODS.

File: L:\2021\21W23110 - WWSD UW2E CMAR\Drawings\EXHIBITS\Exhibit_ESMT_001.dwg, Last Save: 10/6/2022 2:02 PM, Last saved by: ESMartinez
 Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmono.ctb Plot Scale: 1:2.5649 Plot Date: 10/17/2022 1:56 PM Plotter used: None



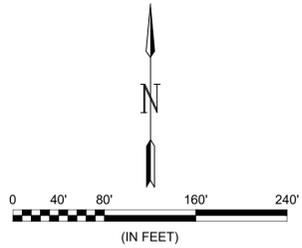
OWNER:
FOUNTAIN VALLEY SCHOOL

OWNER:
WIDEFIELD LAND
INVESTMENT LLC

PROPOSED 50' TEMPORARY
CONSTRUCTION EASEMENT

PROPOSED 20'
PERMANENT EASEMENT

PROPOSED VARIABLE WIDTH
PERMANENT EASEMENT



LEGEND
 [Solid Grey Box] = PROPOSED PERMANENT EASEMENT
 [Dashed Grey Box] = PROPOSED TEMPORARY CONSTRUCTION EASEMENT
 [Thin Dashed Line] = TCE
 [Thick Dashed Line] = TCE



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REV.	DATE	DESCRIPTION	BY

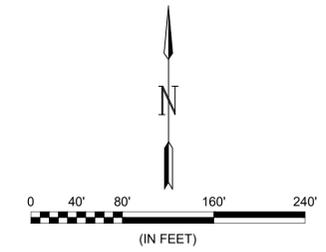
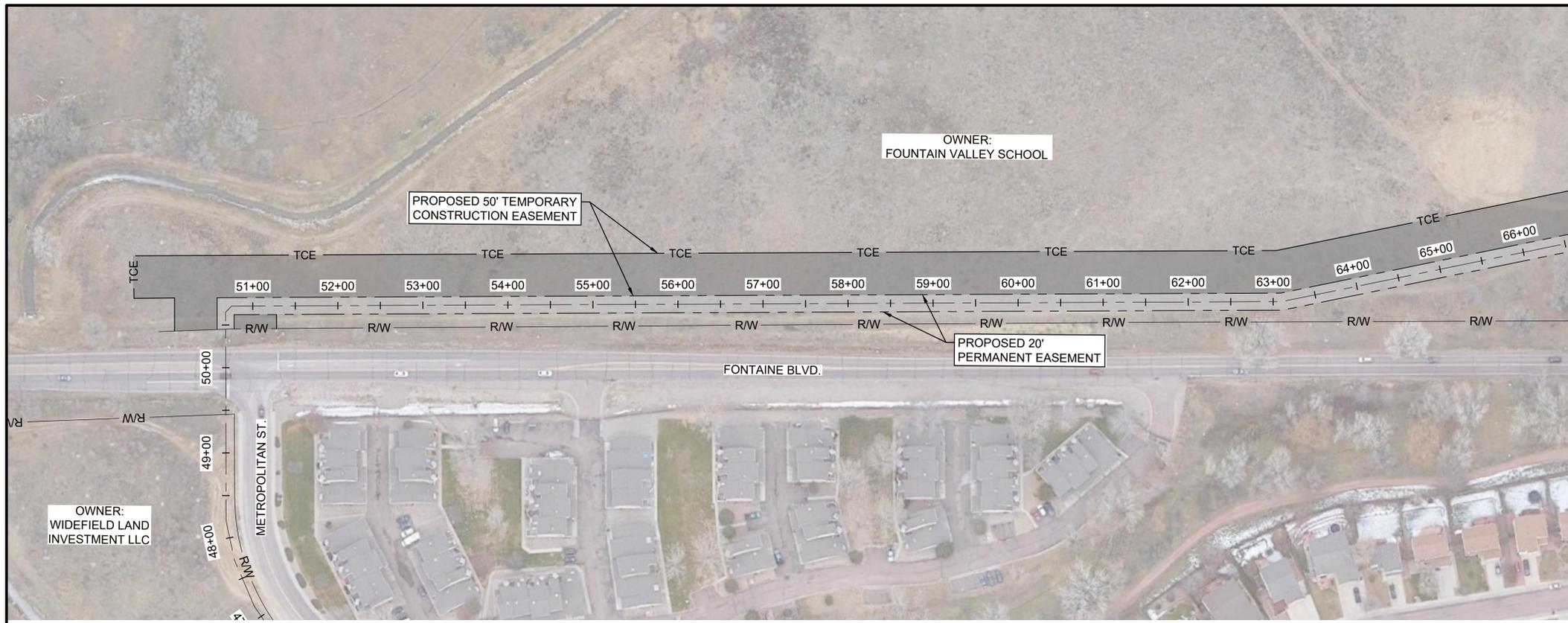
Widefield Water and Sanitation District
 WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

WIDEFIELD LAND INVESTMENT LLC
 PROPOSED EASEMENT LAYOUT

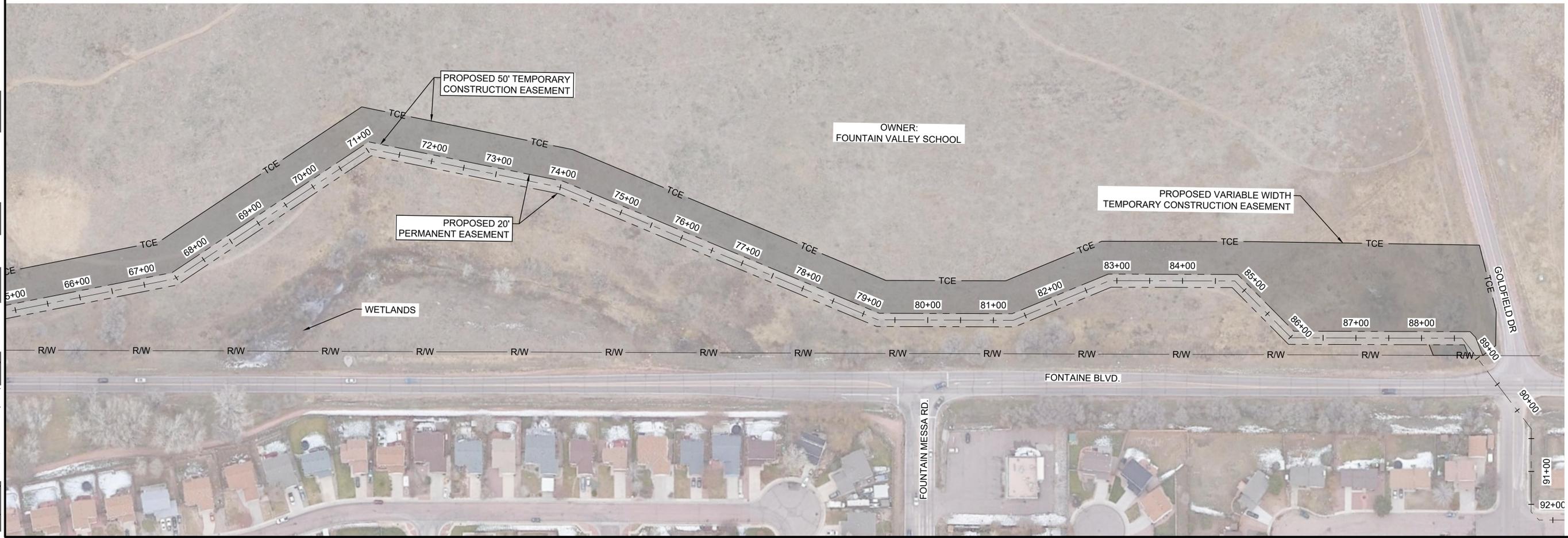
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

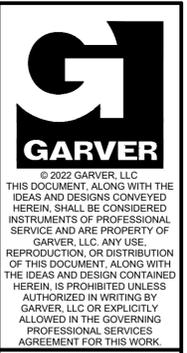
DRAWING NUMBER
05-C102
 SHEET NUMBER
08



LEGEND
 [Dark Grey Box] = PROPOSED PERMANENT EASEMENT
 [White Box with Dashed Line] = PROPOSED TEMPORARY CONSTRUCTION EASEMENT



File: L:\2021\12\23\110 - WWSD UW2E CMARDrawings\EXHIBITS\Exhibit_ESMT_002.dwg, Last Save: 9/20/2022 10:28 AM, Last saved by: F.Chavez
 Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmono.ctb Plot Scale: 1:2,5949 Plot Date: 10/17/2022 1:57 PM Plotter used: None



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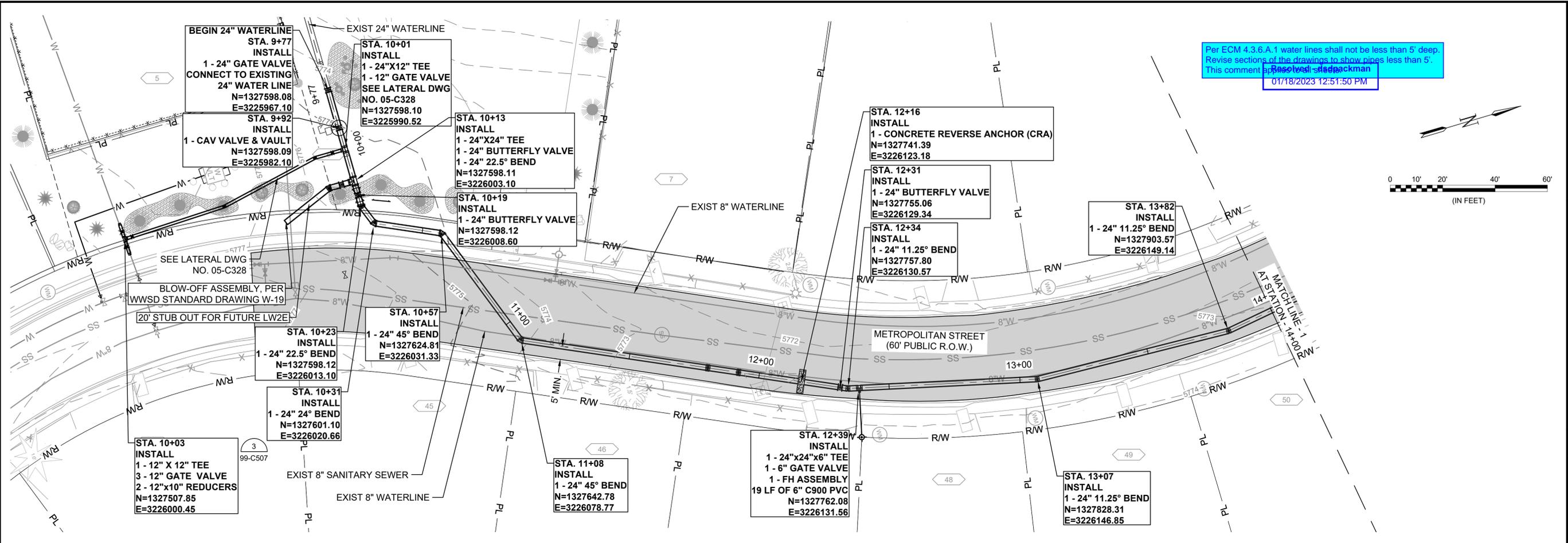
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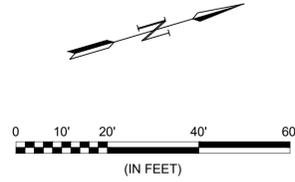
WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

FOUNTAIN VALLEY SCHOOL PROPOSED EASEMENT LAYOUT

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC
 BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER 05-C103
SHEET NUMBER 09



Per ECM 4.3.6.A.1 water lines shall not be less than 5' deep.
 Revise sections of the drawings to show pipes less than 5'.
 This comment resolved - stadpackman
 01/18/2023 12:51:50 PM



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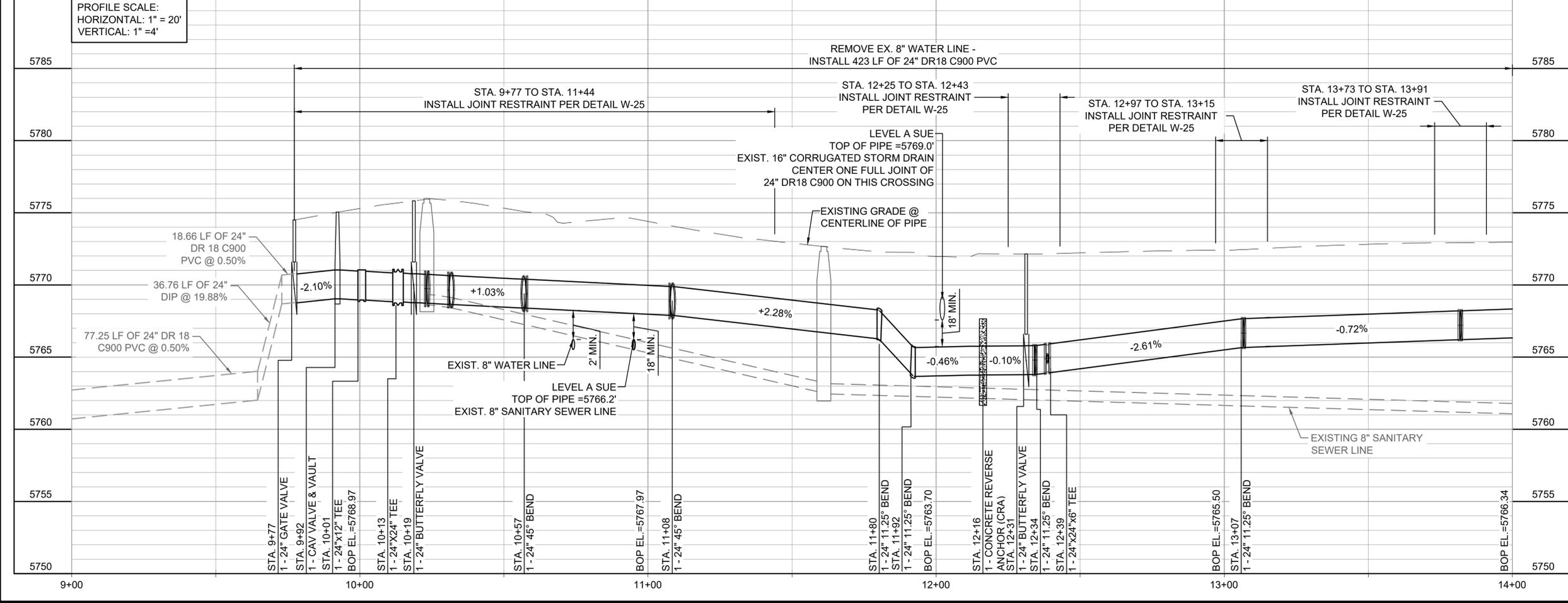
REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 10+00 TO STA. 14+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
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 DRAWING NUMBER
05-C301
 SHEET NUMBER
10



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 Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmono.ctb Plot Scale: 1:2.5949 Plot Date: 10/21/2022 9:24 AM Plotter used: None



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

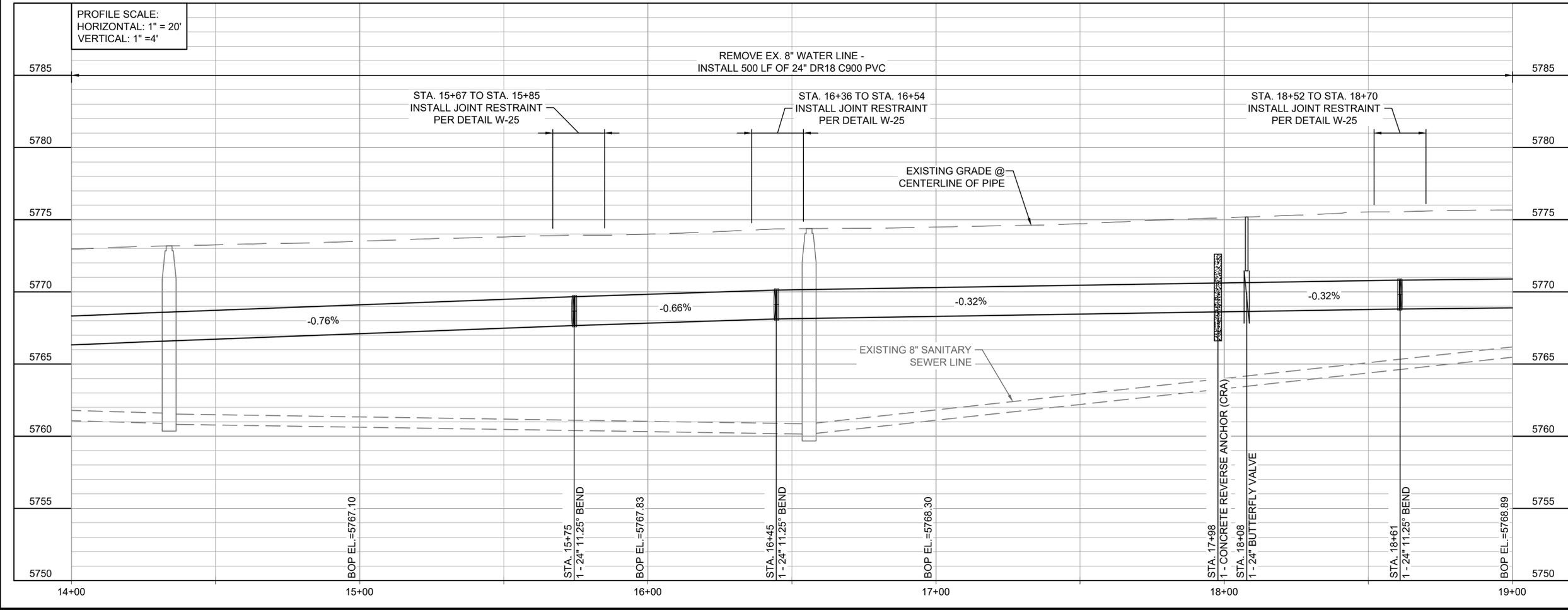
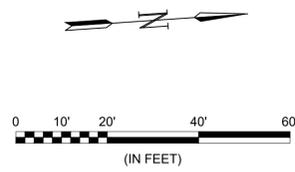
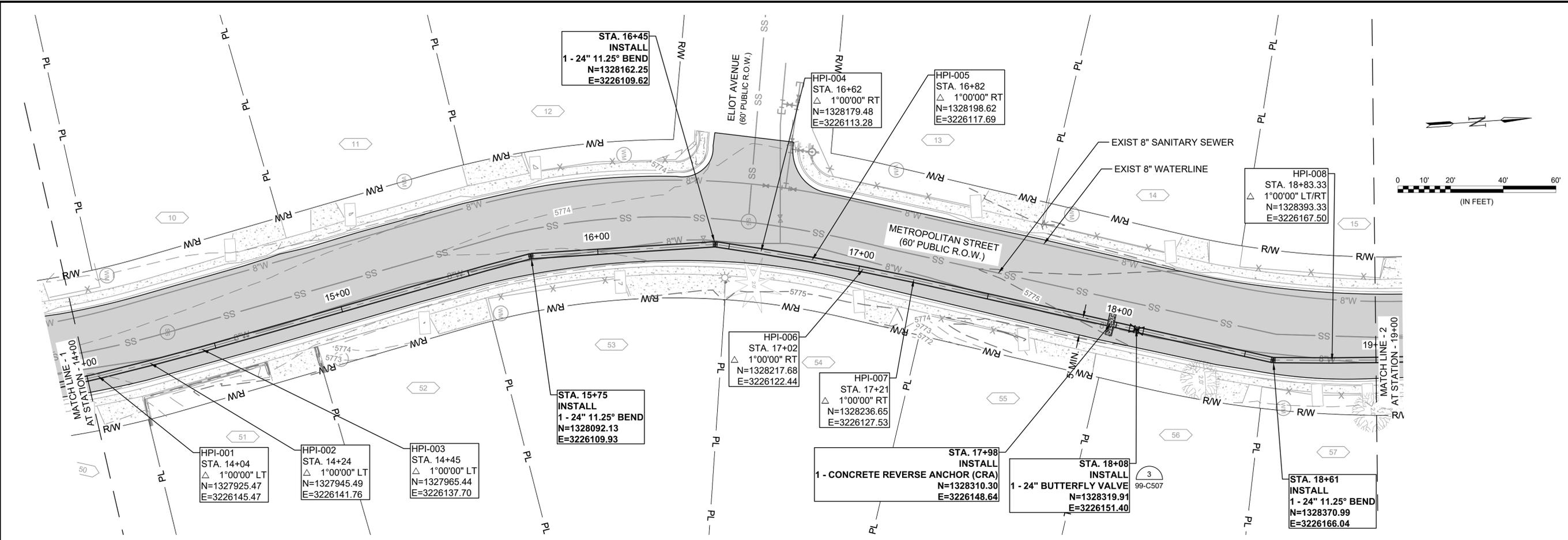
PLAN AND PROFILE (STA. 14+00 TO STA. 19+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C302

SHEET NUMBER
11



File: L:\2021\21W23110 - WWSWD UW2E CMAR\Drawings\WWSWD UM CMAR - 05-C302.dwg, Last Saved: 9/20/2022 10:28 AM, Last saved by: ESMartinez
 Last plotted by: Martinez, Ervin S., Plot Style: AECmonochrome.ctb, Plot Scale: 1:2,594.9, Plot Date: 10/17/2022 2:11 PM, Plotter used: None



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REV.	DATE	DESCRIPTION	BY

Widefield Water and Sanitation District
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

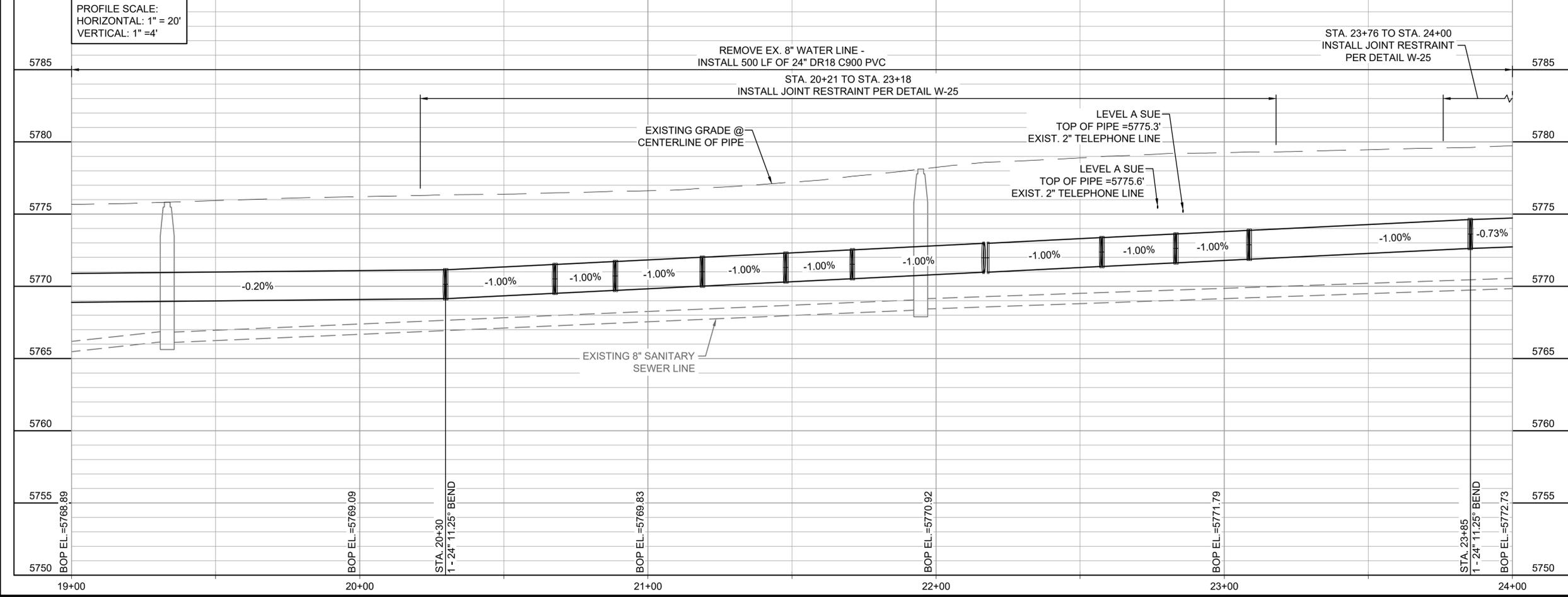
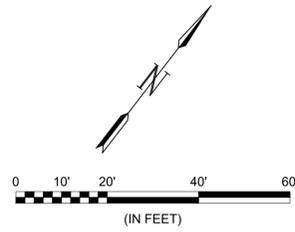
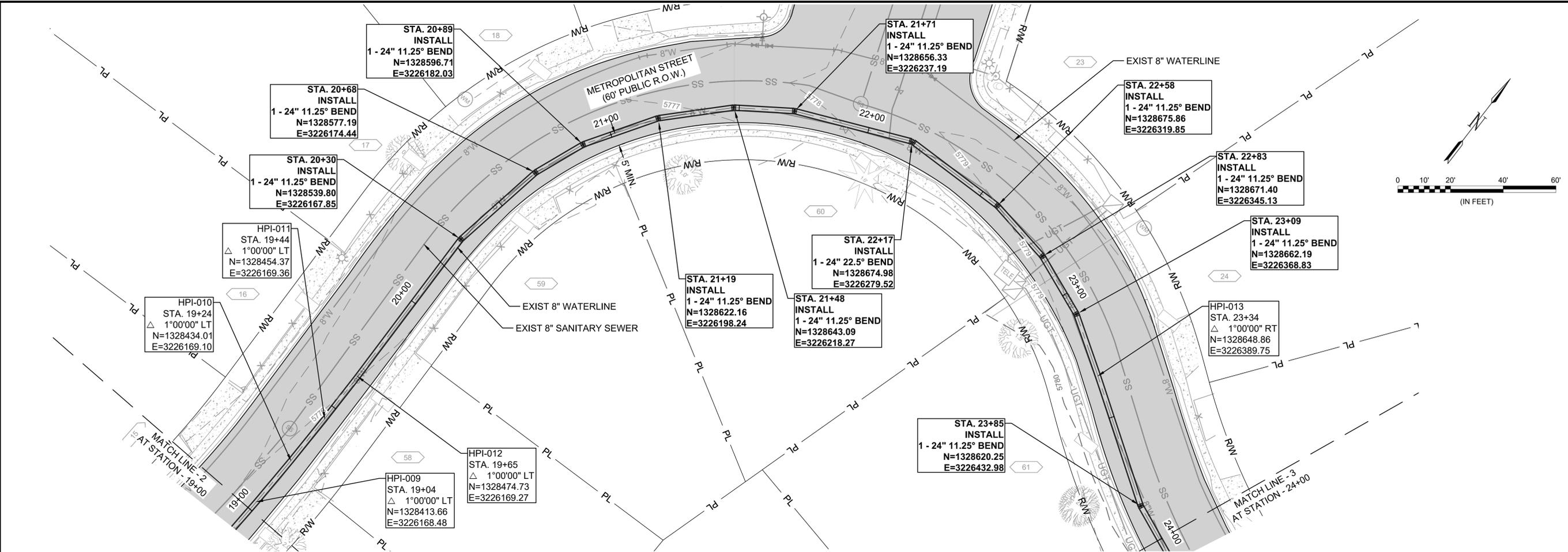
PLAN AND PROFILE (STA. 19+00 TO STA. 24+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
05-C303

SHEET NUMBER
12



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

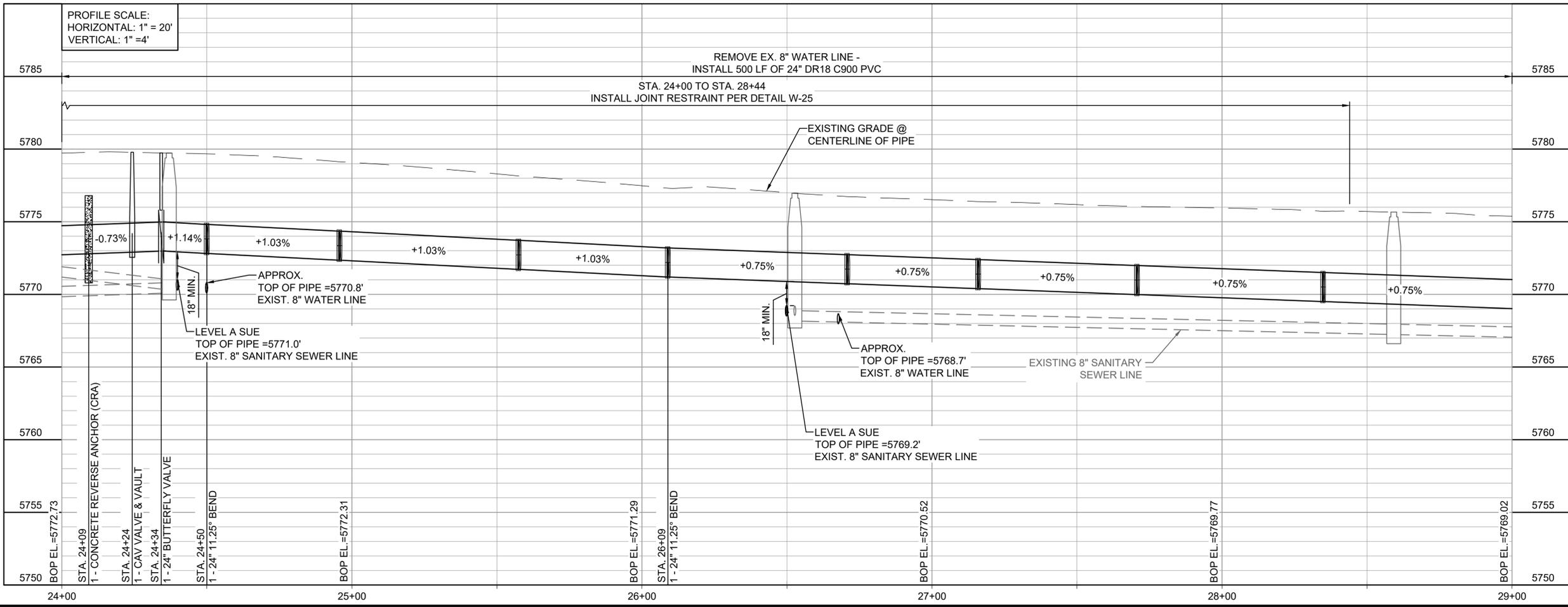
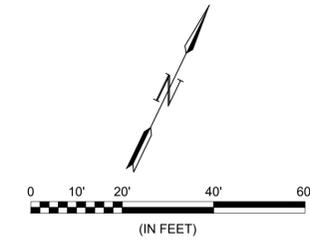
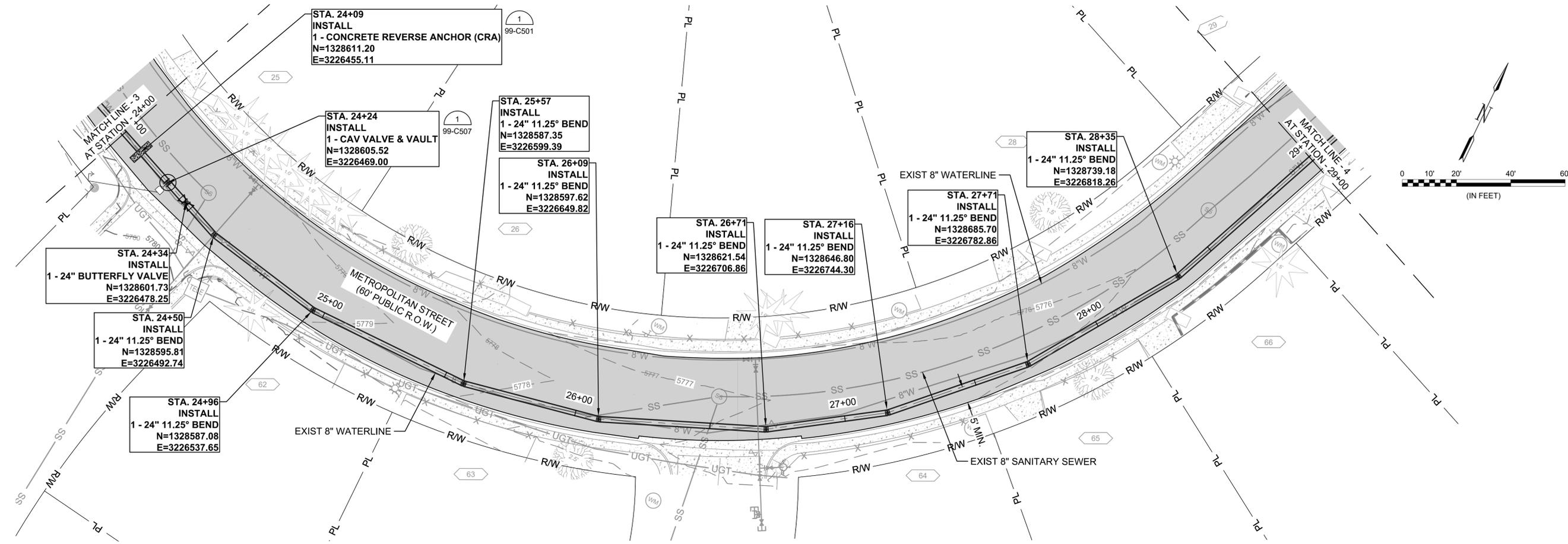
PLAN AND PROFILE (STA. 24+00 TO STA. 29+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

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DRAWING NUMBER
05-C304

SHEET NUMBER
13



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

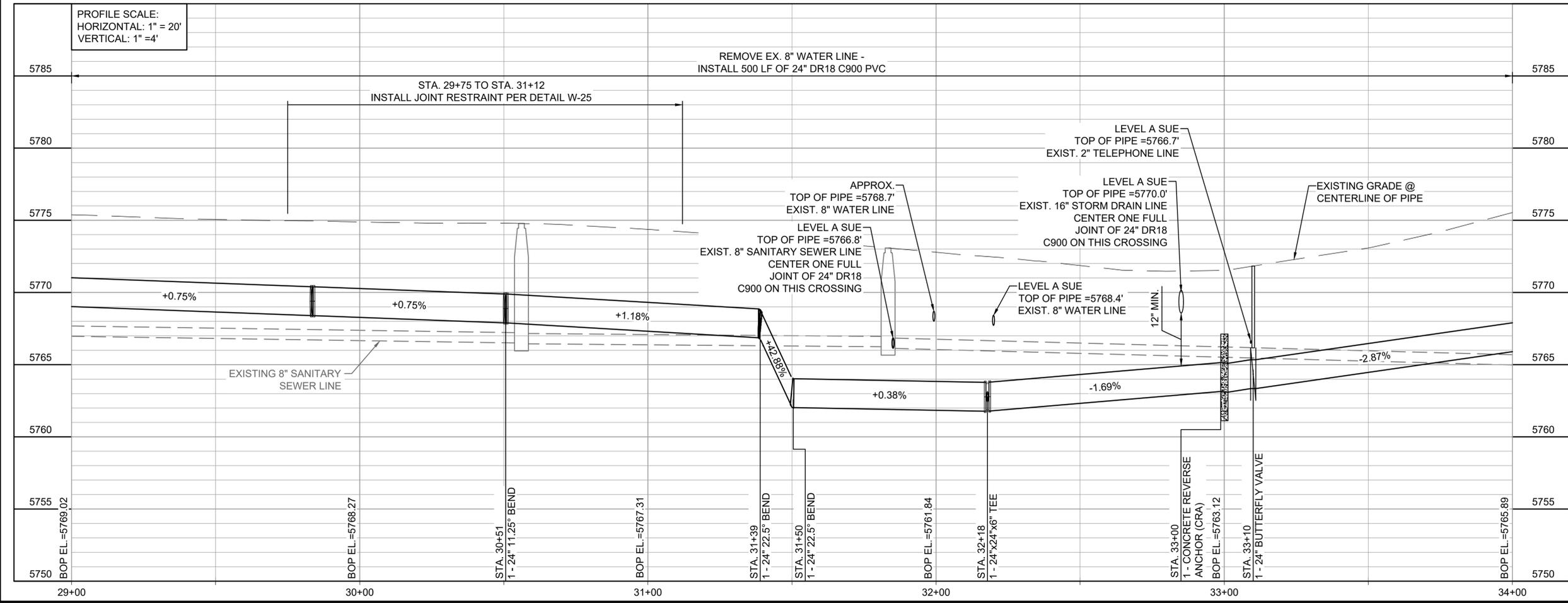
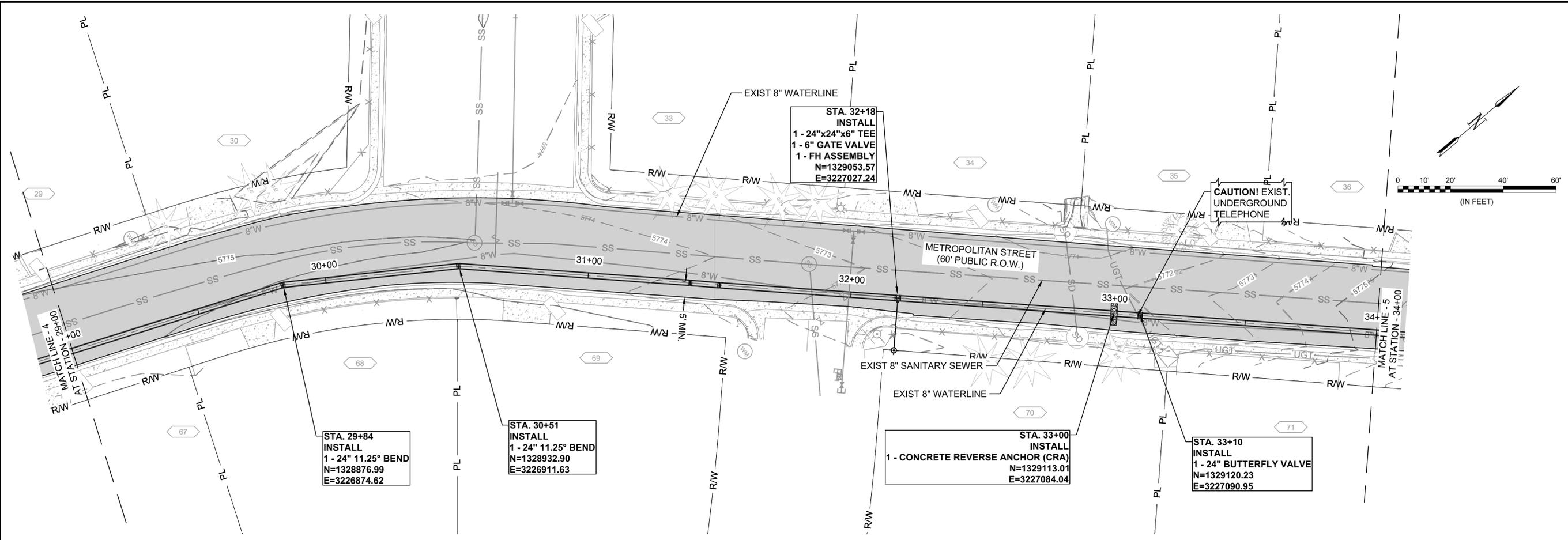
PLAN AND PROFILE (STA. 29+00 TO STA. 34+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

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DRAWING NUMBER
05-C305

SHEET NUMBER
14



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REV.	DATE	DESCRIPTION	BY

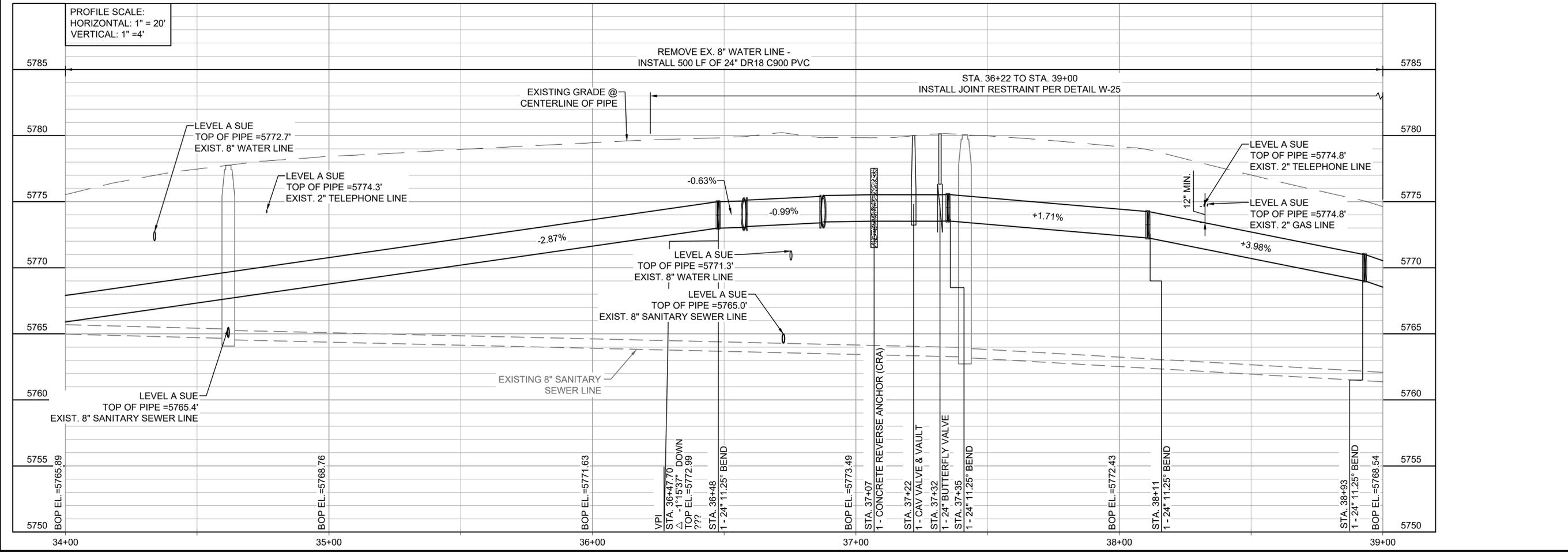
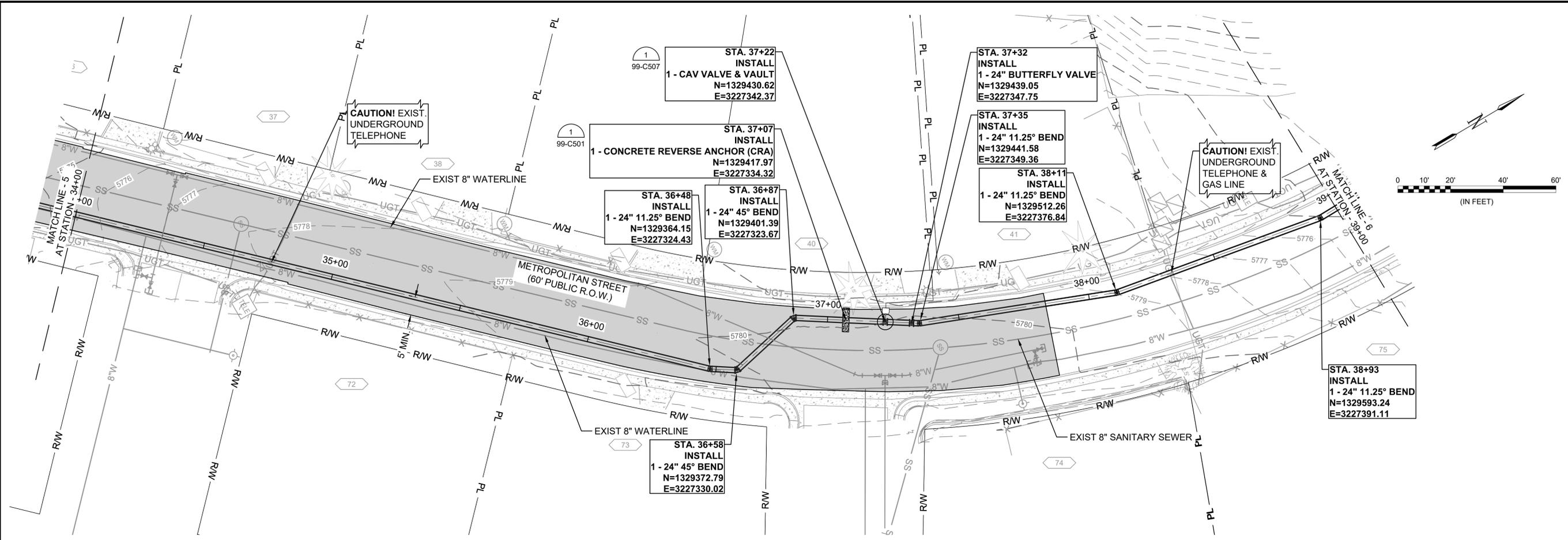
WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 34+00 TO STA. 39+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

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DRAWING NUMBER
05-C306
 SHEET NUMBER
15



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REV.	DATE	DESCRIPTION

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

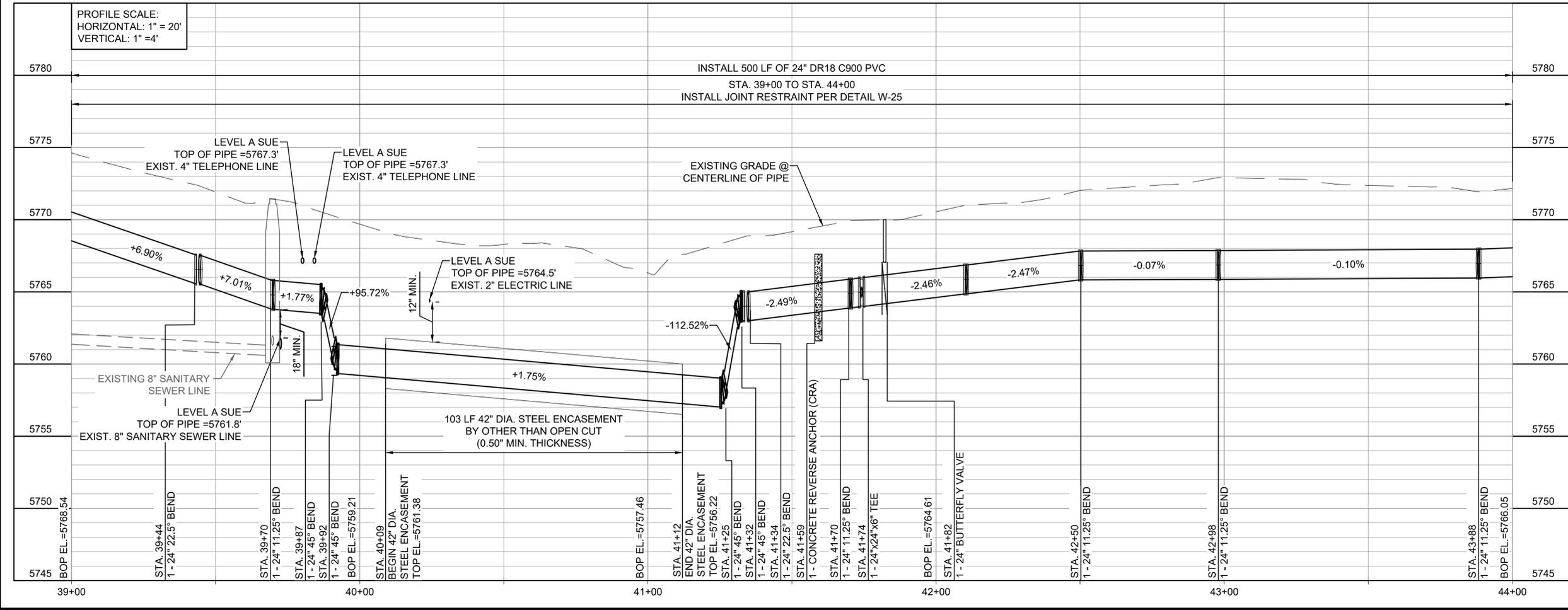
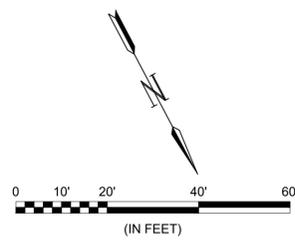
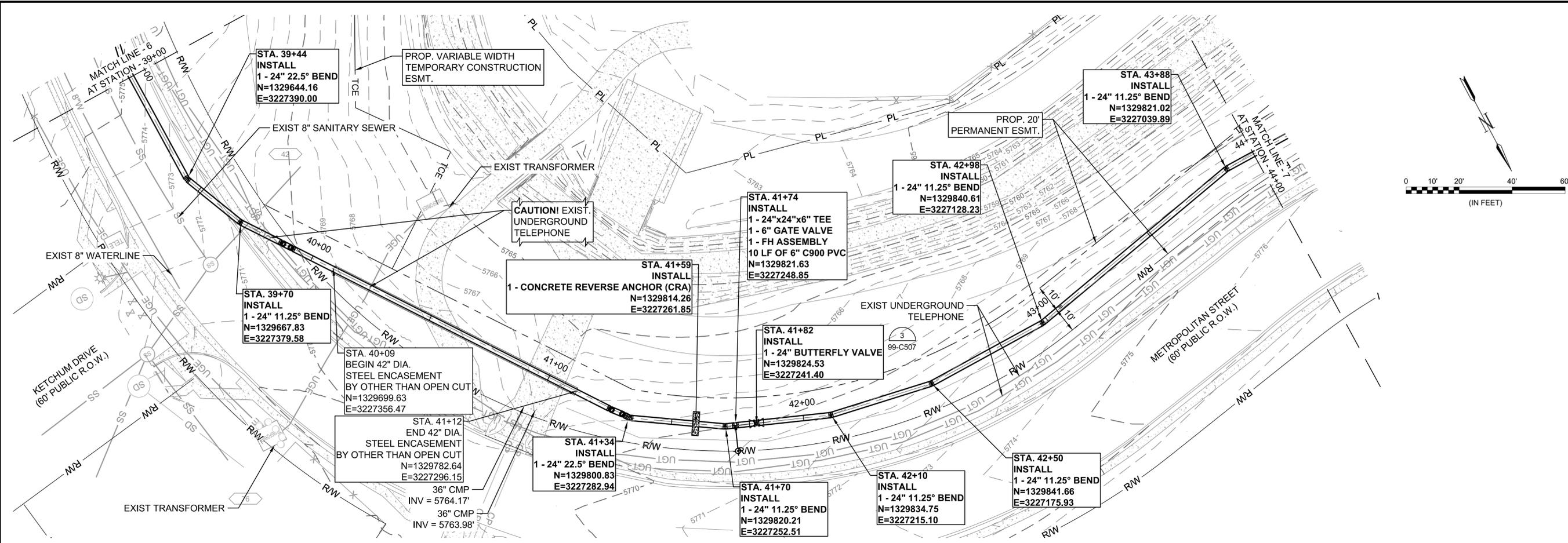
PLAN AND PROFILE (STA. 39+00 TO STA. 44+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

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DRAWING NUMBER
05-C307

SHEET NUMBER
16



File: L:\2021\21W23110 - WWSWD UW2E CMAR\Drawings\WWSWD UM CMAR - 05-C307.dwg, Last Save: 9/20/2022 10:26 AM, Last saved by: ESMartinez
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REV.	DATE	DESCRIPTION	BY

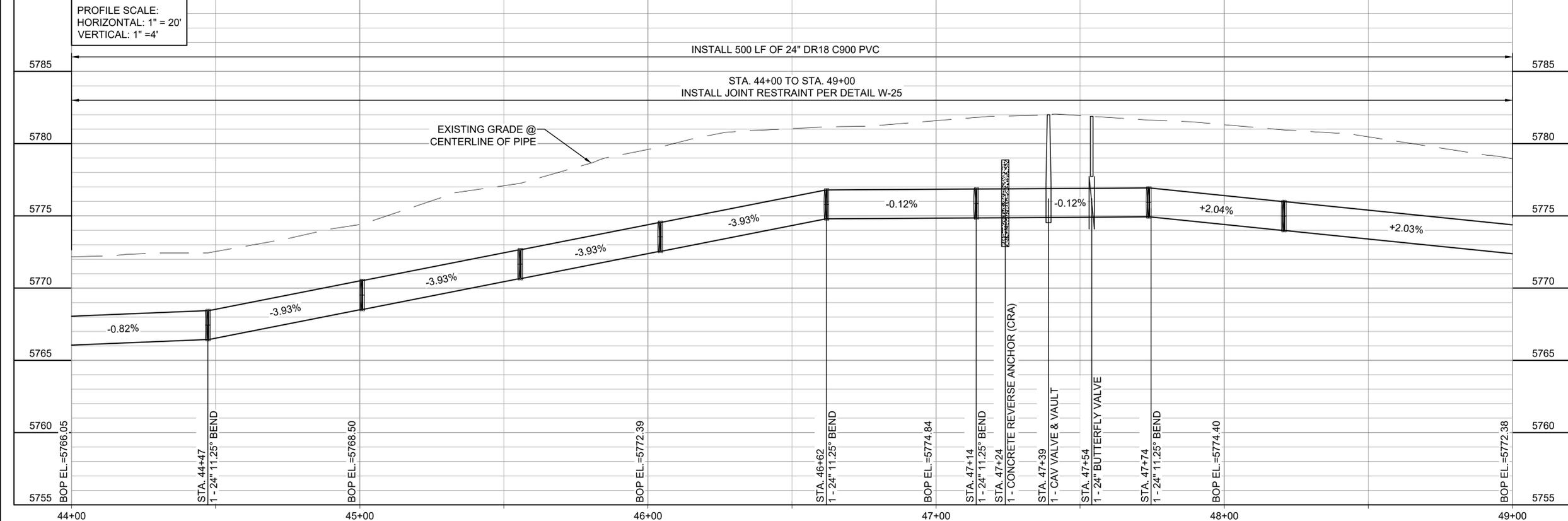
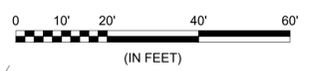
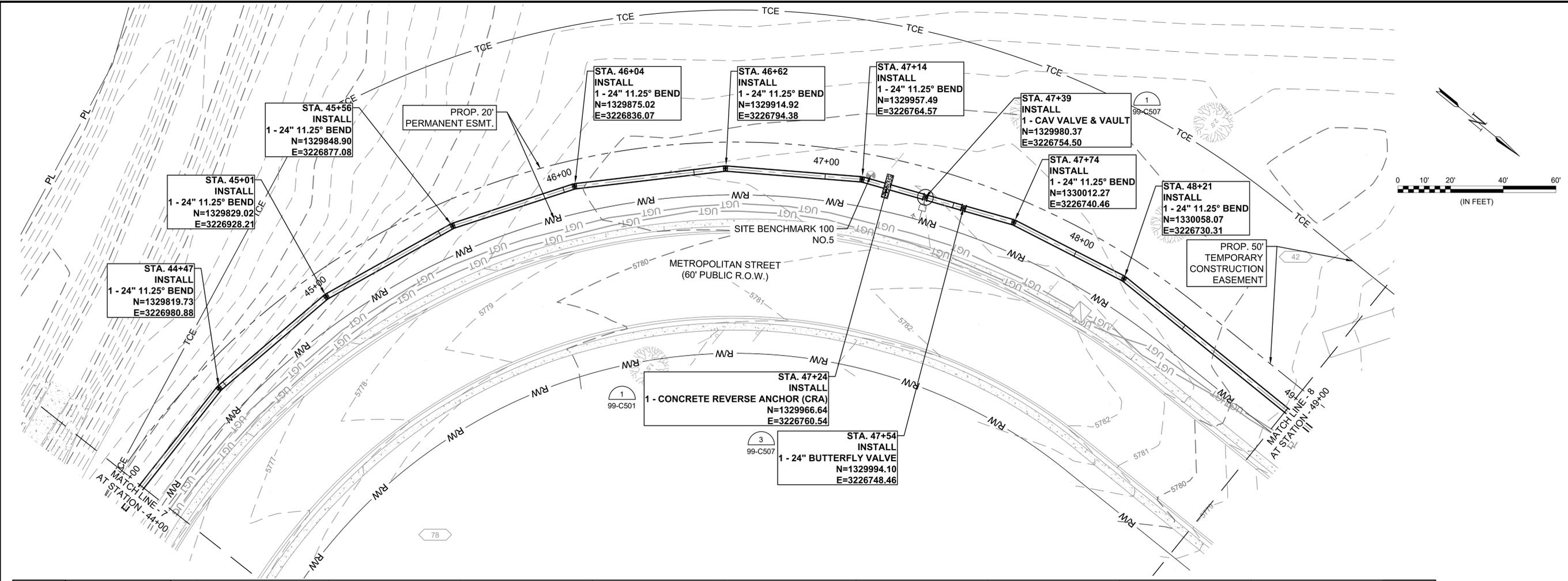
WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 44+00 TO STA. 49+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

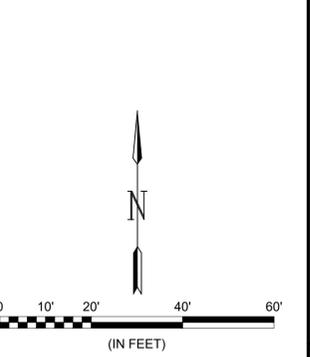
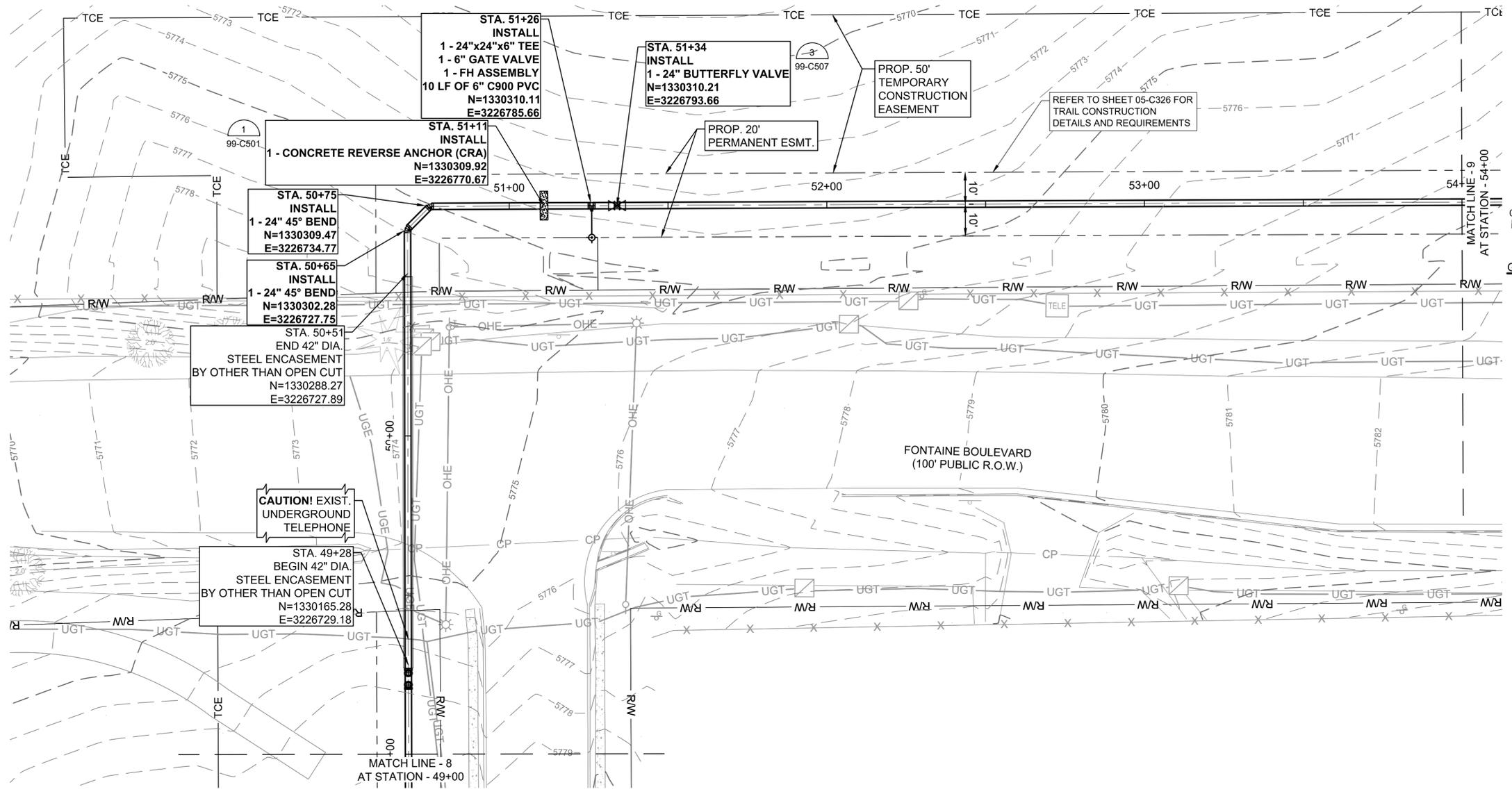
BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
05-C308
 SHEET NUMBER
17

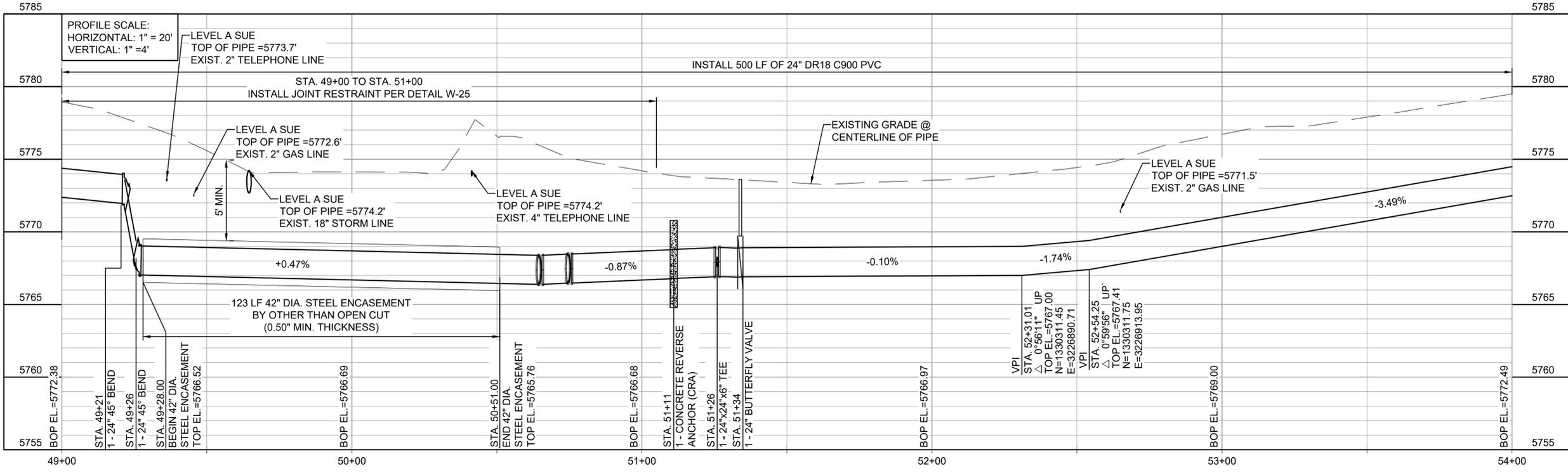


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 Last plotted by: Martinez, Ervin S., Plot Style: AECmon.ctb, Plot Scale: 1:2,594.9, Plot Date: 10/17/2022 2:36 PM, Plotter used: None



GENERAL NOTES:
 1. CONTRACTOR TO INSTALL TRAIL WITHIN PERMANENT EASEMENT, CENTERED ABOVE WATER TRANSMISSION LINE. REFER TO SHEET 05-C326.





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REV.	DATE	DESCRIPTION	BY



WIDFIELD WATER AND SANITATION DISTRICT
 WIDFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 49+00 TO STA. 54+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
05-C309

SHEET NUMBER
18



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 54+00 TO STA. 59+00)

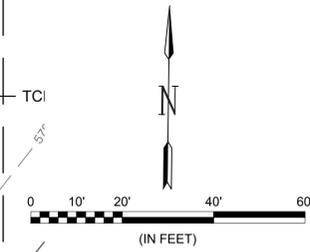
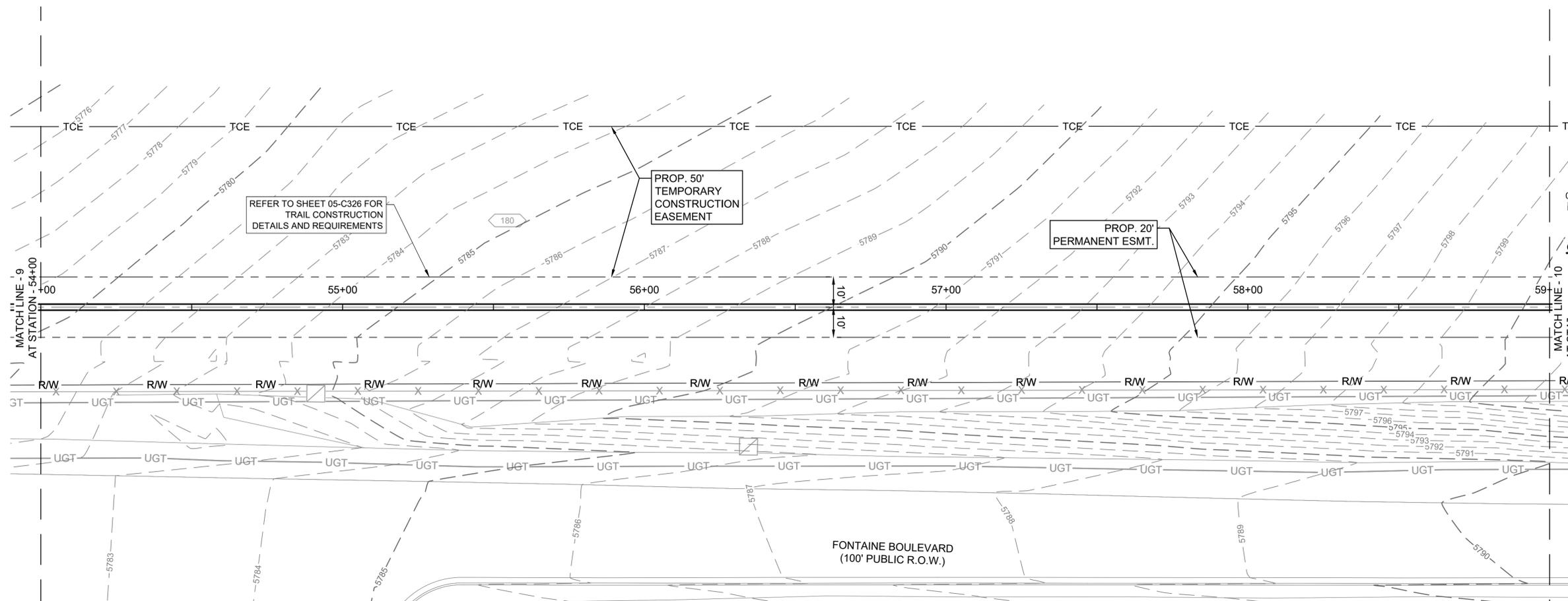
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER

05-C310

SHEET NUMBER **19**



GENERAL NOTES:
 1. CONTRACTOR TO INSTALL TRAIL WITHIN PERMANENT EASEMENT, CENTERED ABOVE WATER TRANSMISSION LINE. REFER TO SHEET 05-C326.

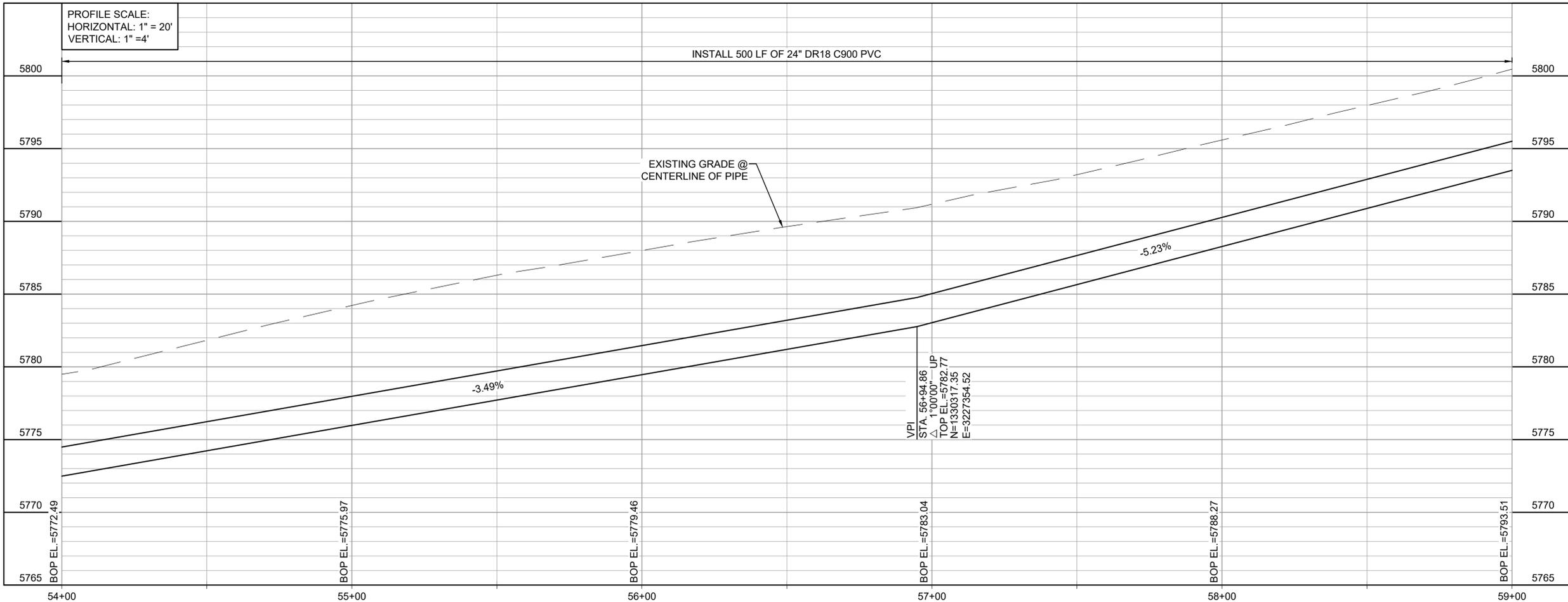
REFER TO SHEET 05-C326 FOR TRAIL CONSTRUCTION DETAILS AND REQUIREMENTS

PROP. 50' TEMPORARY CONSTRUCTION EASEMENT

PROP. 20' PERMANENT ESMT.

FONTAINE BOULEVARD
 (100' PUBLIC R.O.W.)

PROFILE SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



File: L:\2021\21W23110 - WWSWD UW2E CMARDrawings\WWSWD UM CMAR - 05-C310.dwg, Last Save: 10/6/2022 4:32 PM, Last saved by: ESMartinez
 Last plotted by: Martinez, Ervin S., Plot Style: AECmono.ctb, Plot Scale: 1:2,594.9, Plot Date: 10/17/2022 2:40 PM, Plotter Used: None



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

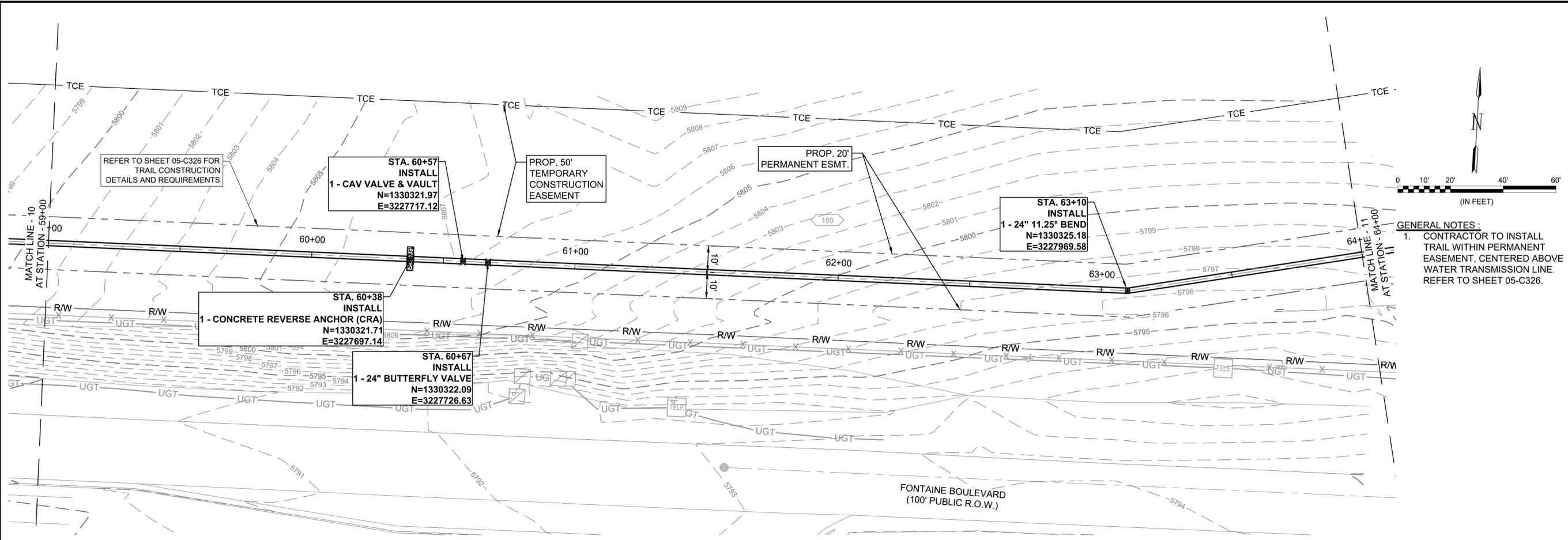
PLAN AND PROFILE (STA. 59+00 TO STA. 64+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

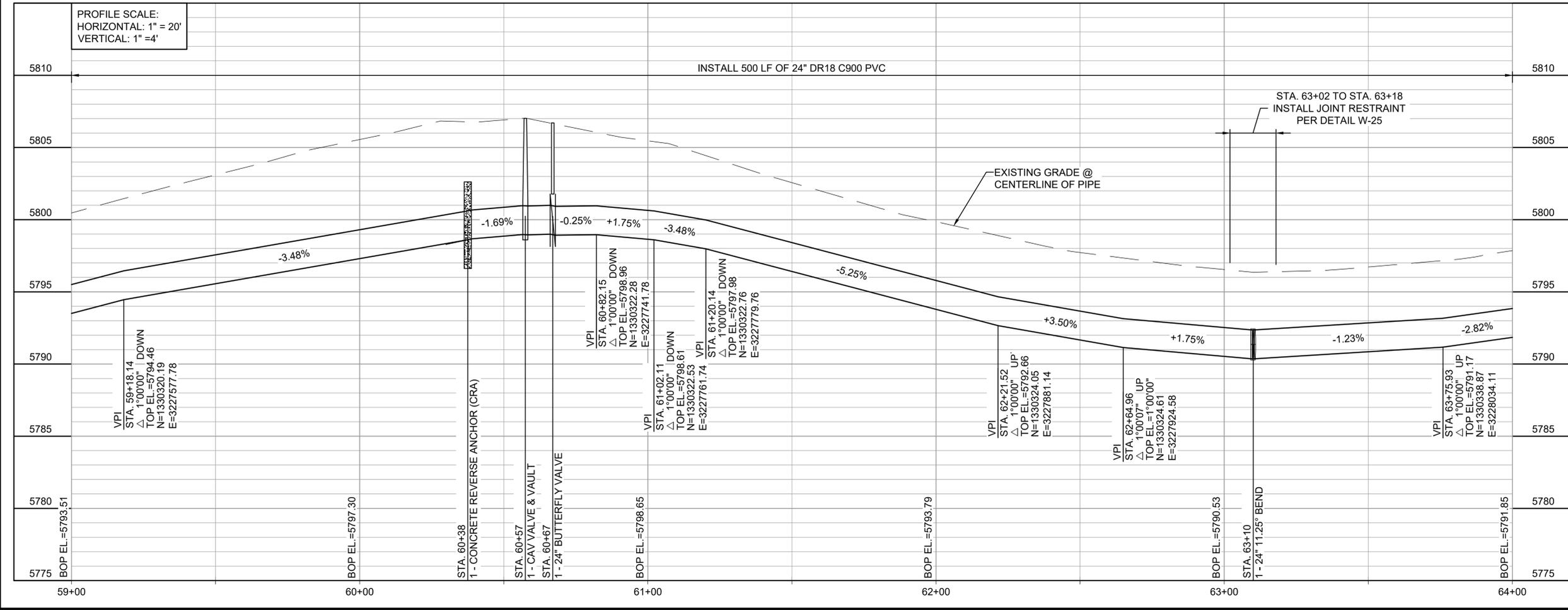
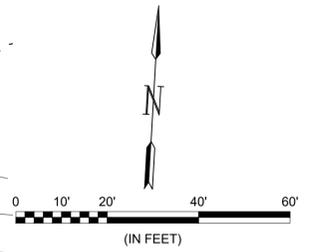
BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C311

SHEET NUMBER
20



GENERAL NOTES:
 1. CONTRACTOR TO INSTALL TRAIL WITHIN PERMANENT EASEMENT, CENTERED ABOVE WATER TRANSMISSION LINE. REFER TO SHEET 05-C326.



File: L:\2021\21W23110 - WWSWD UW2E CMAR\Drawings\WWSWD UM CMAR - 05-C311.dwg, Last Save: 10/6/2022 4:36 PM, Last saved by: ESMartinez
 Last plotted by: Martinez, Ervin S., Plot Style: AECmonochrome.ctb, Plot Scale: 1/2"=10', Plot Date: 10/19/2022 10:23 AM, Plotter used: None



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REV.	DATE	DESCRIPTION	BY

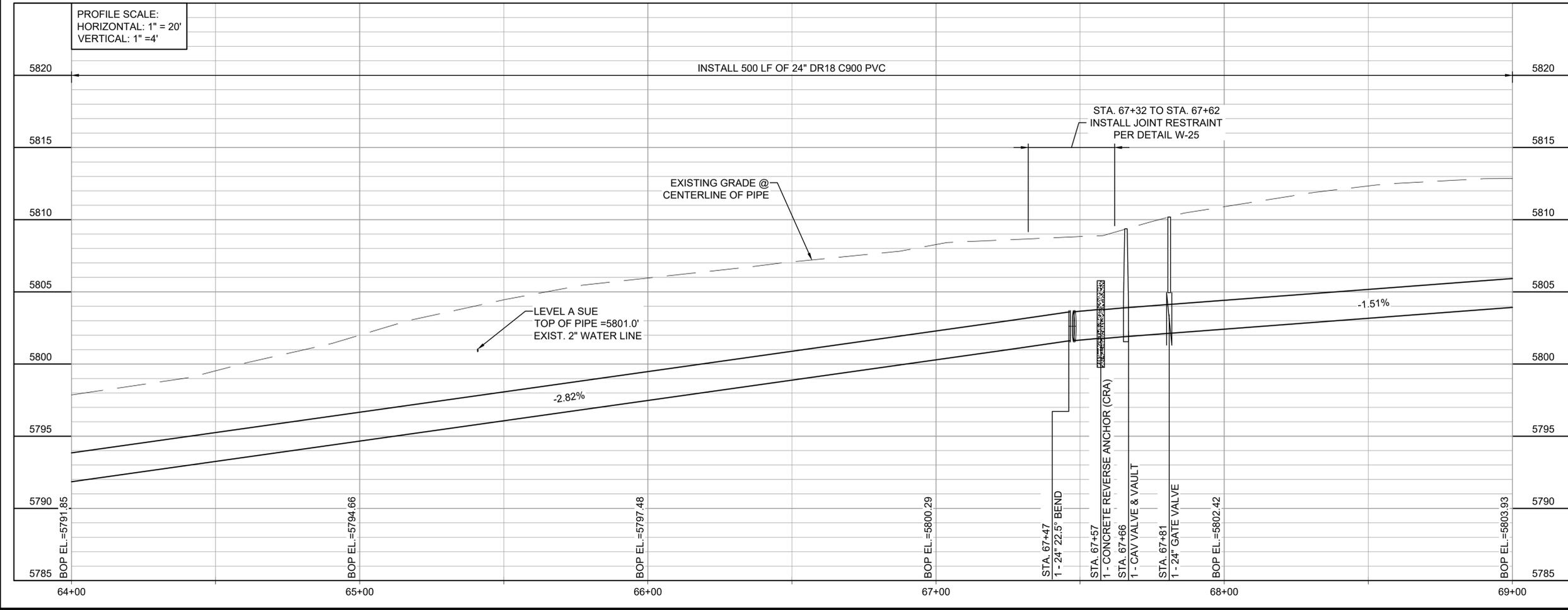
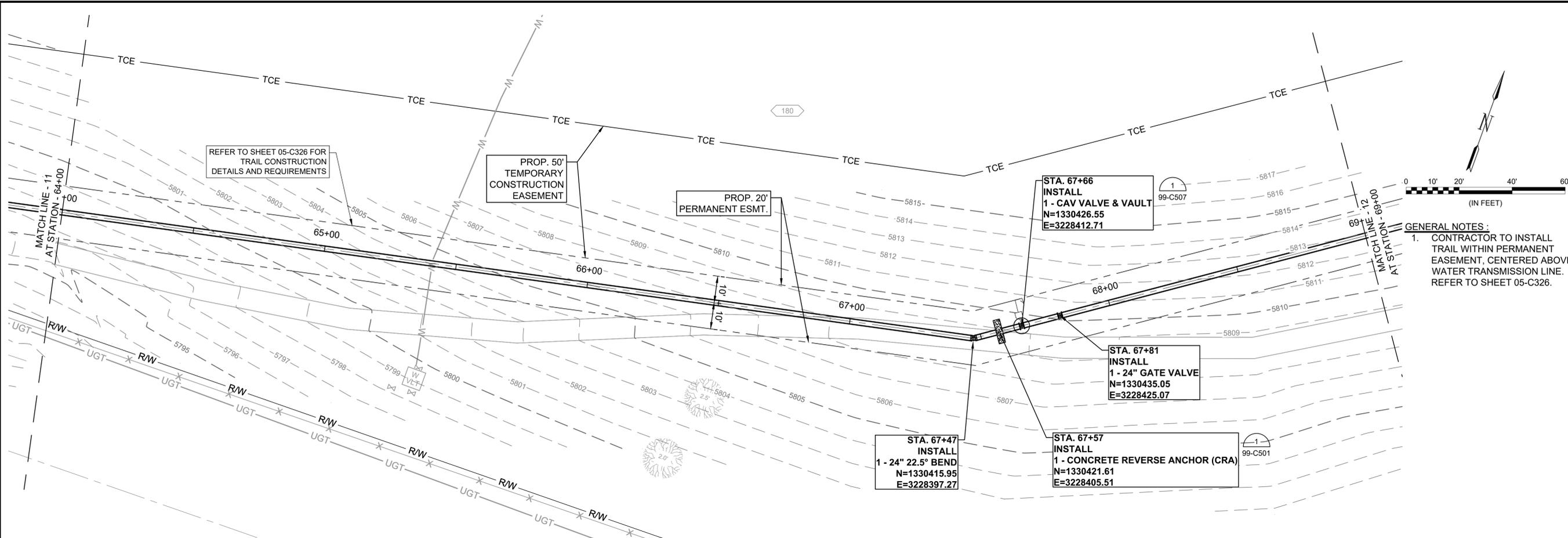
WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 64+00 TO STA. 69+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

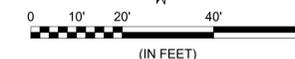
DRAWING NUMBER
05-C312
 SHEET NUMBER
21



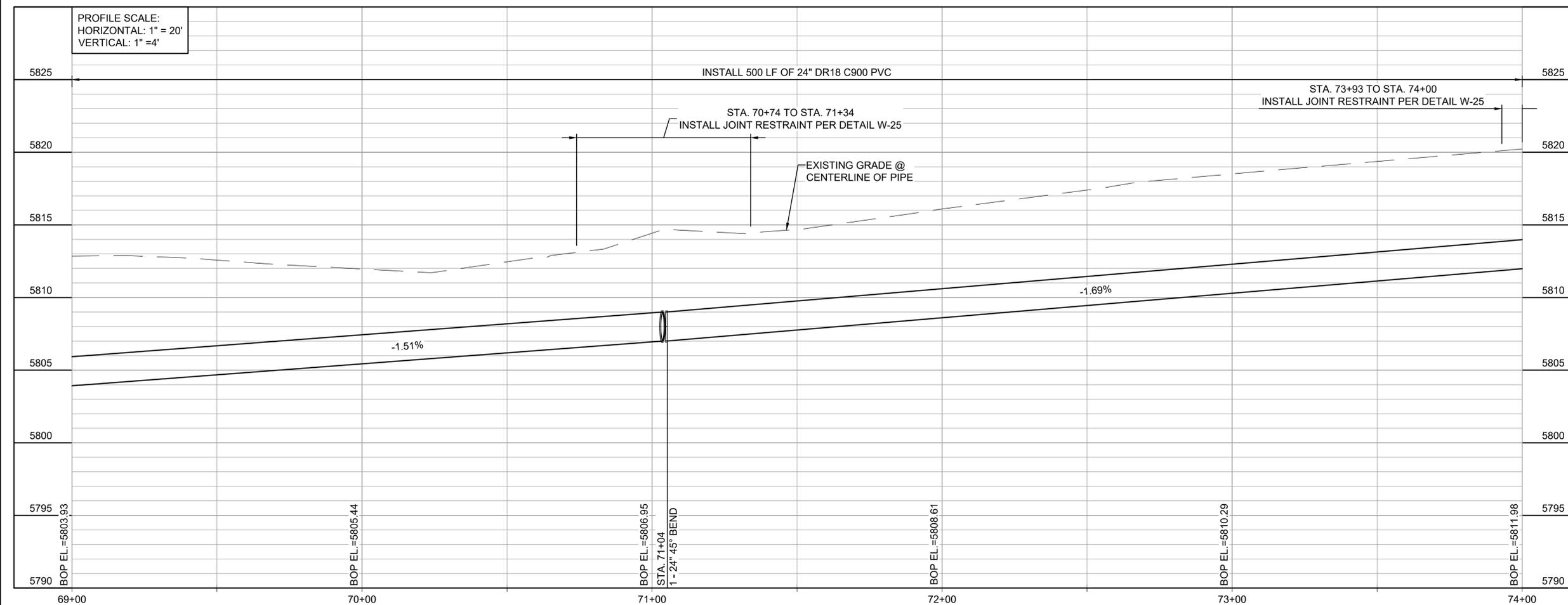
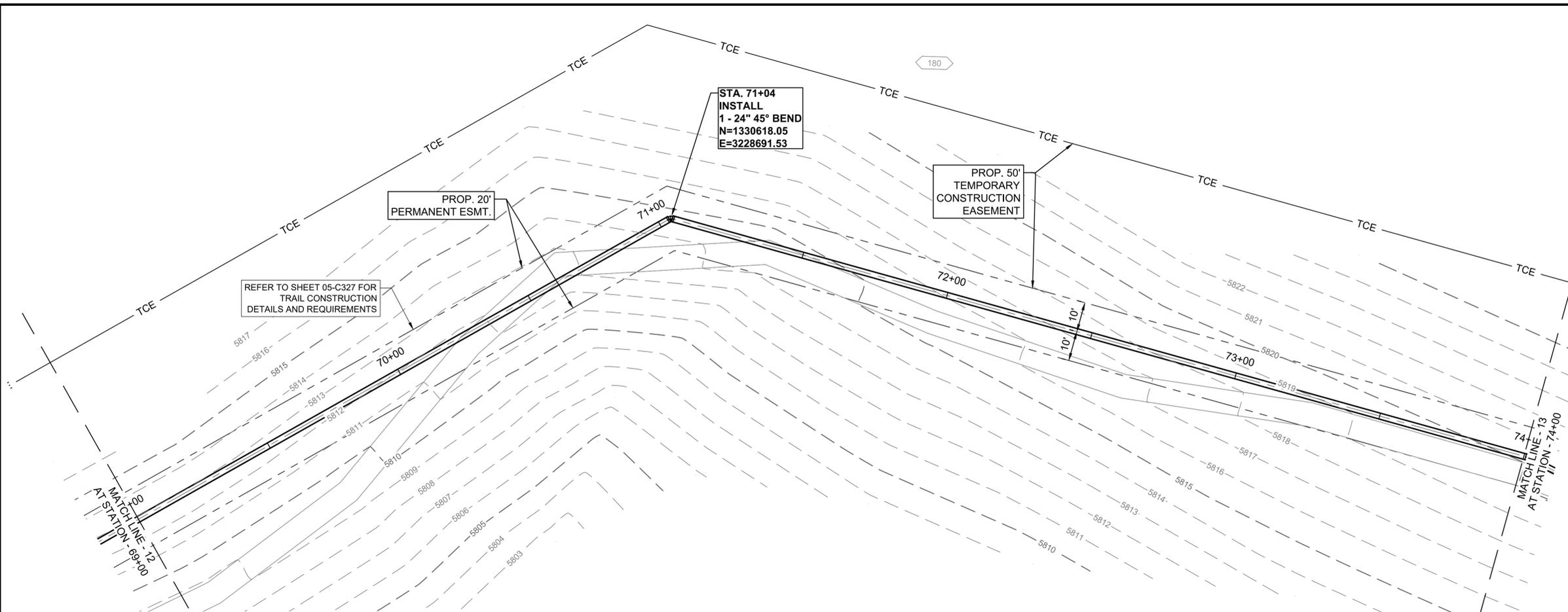
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 Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Scale: 1:2,594.9 Plot Date: 10/17/2022 2:50 PM Plotter used: None



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GENERAL NOTES:
 1. CONTRACTOR TO INSTALL TRAIL WITHIN PERMANENT EASEMENT, CENTERED ABOVE WATER TRANSMISSION LINE. REFER TO SHEET 05-C327.



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REV.	DATE	DESCRIPTION	BY

Widefield Water and Sanitation District
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 69+00 TO STA. 74+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C313
 SHEET NUMBER
22

File: L:\2021\21W23110 - WWSWSD UW2E CMAR\Drawings\WWSWSD UM CMAR - 05-C313.dwg Last Save: 10/6/2022 4:45 PM Last saved by: ESMartinez
 Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Scale: 1:2,594.9 Plot Date: 10/17/2022 2:53 PM Plotter used: None



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GENERAL NOTES:

- CONTRACTOR TO INSTALL TRAIL WITHIN PERMANENT EASEMENT, CENTERED ABOVE WATER TRANSMISSION LINE. REFER TO SHEET 05-C327.

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REV.	DATE	DESCRIPTION	BY

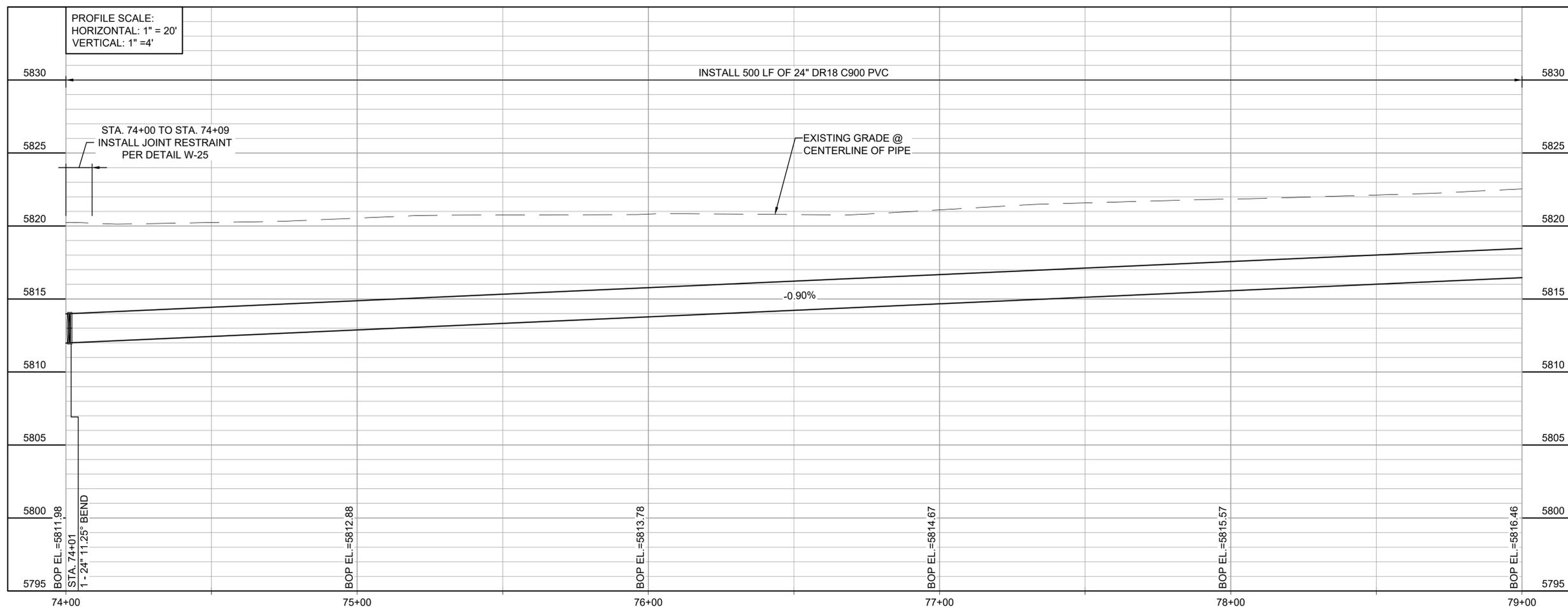
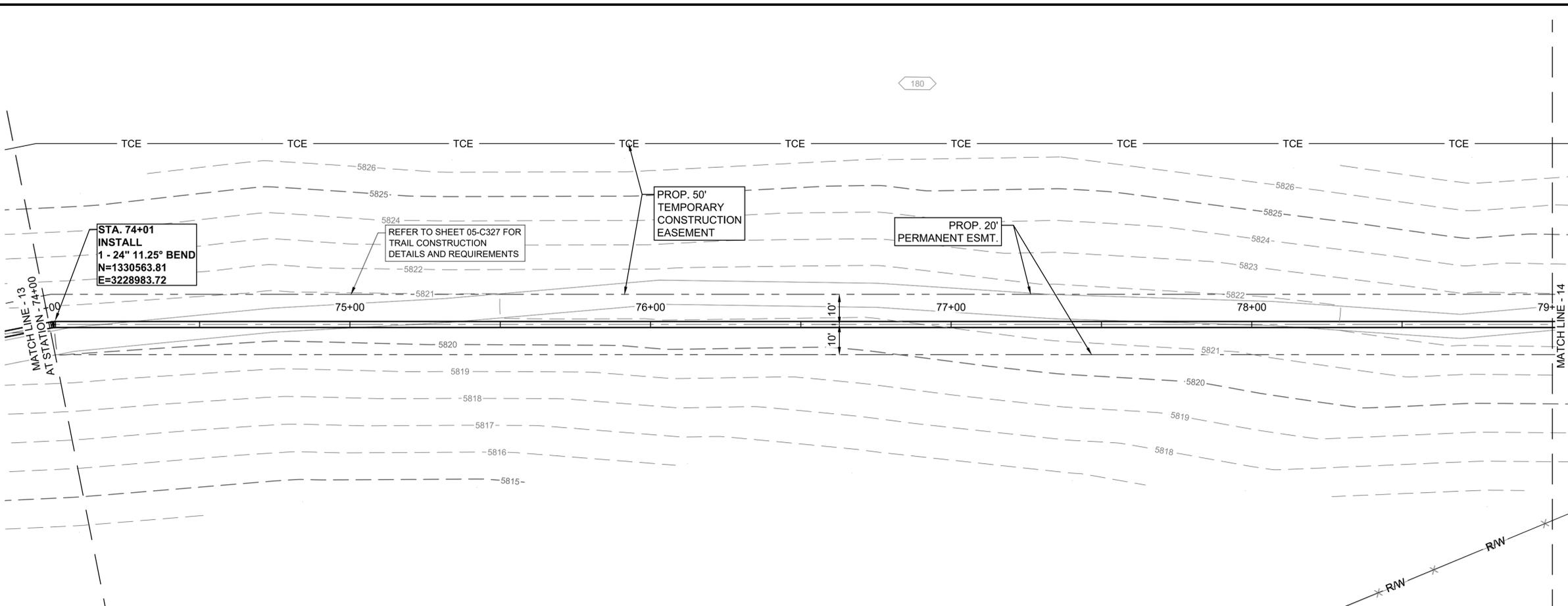
Widefield Water and Sanitation District
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 74+00 TO STA. 79+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C314
 SHEET NUMBER **23**



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 Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Scale: 1:2,594.9 Plot Date: 10/17/2022 2:56 PM Plotter Used: None



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REV.	DATE	DESCRIPTION	BY

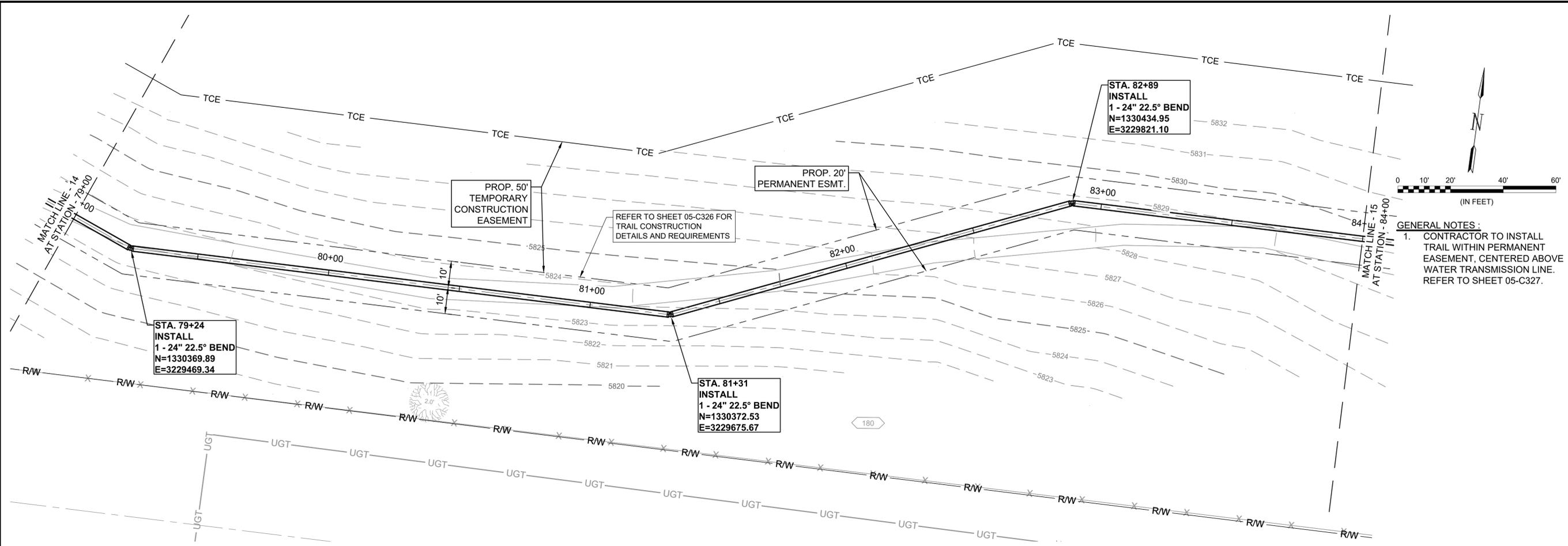
Widefield Water and Sanitation District
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 79+00 TO STA. 84+00)

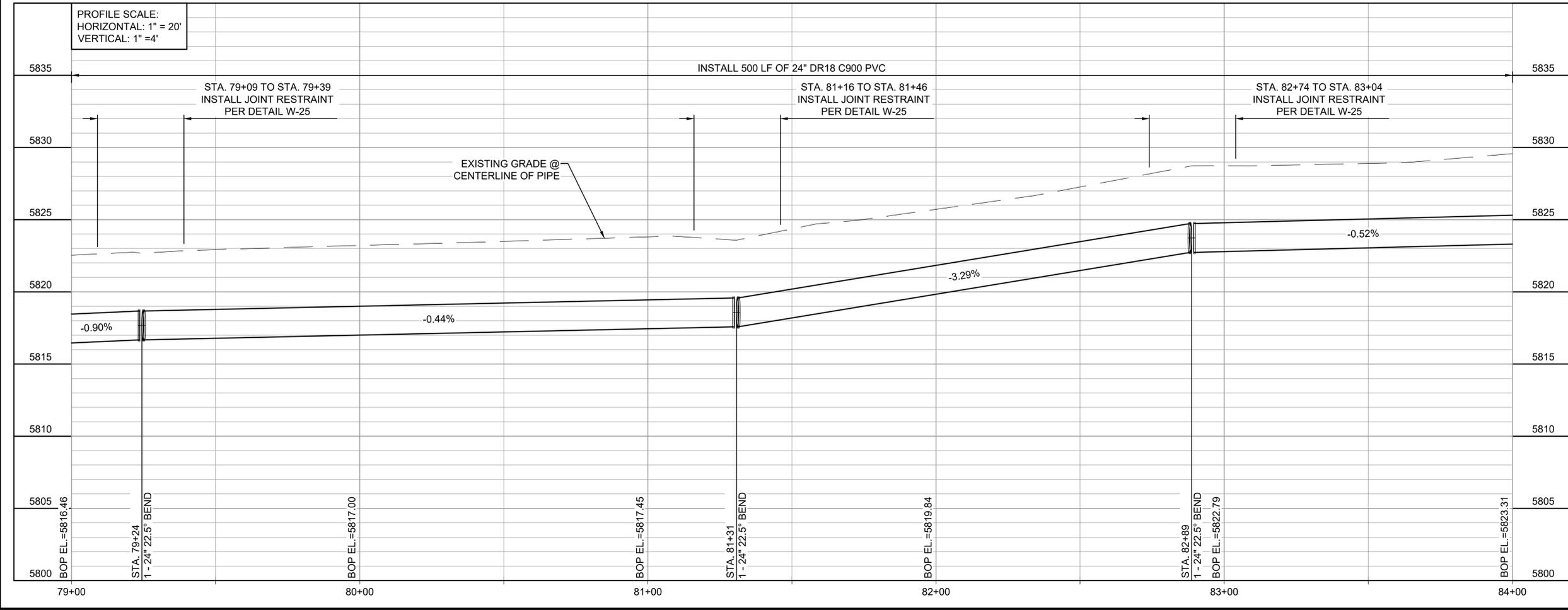
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C315
 SHEET NUMBER
24



GENERAL NOTES:
 1. CONTRACTOR TO INSTALL TRAIL WITHIN PERMANENT EASEMENT, CENTERED ABOVE WATER TRANSMISSION LINE. REFER TO SHEET 05-C327.



File: L:\2021\21W23110 - WWSWD UW2E CMAR\Drawings\WWSWD UM CMAR - 05-C315.dwg, Last Save: 10/6/2022 4:54 PM, Last saved by: ESMartinez
 Last plotted by: Martinez, Ervin S., Plot Style: AECmonochrome.ctb, Plot Scale: 1:2,594.9, Plot Date: 10/17/2022 3:00 PM, Plotter used: None



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REV.	DATE	DESCRIPTION	BY

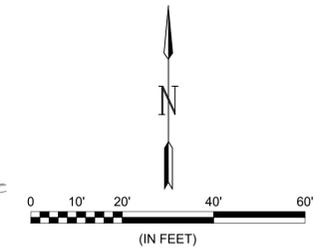
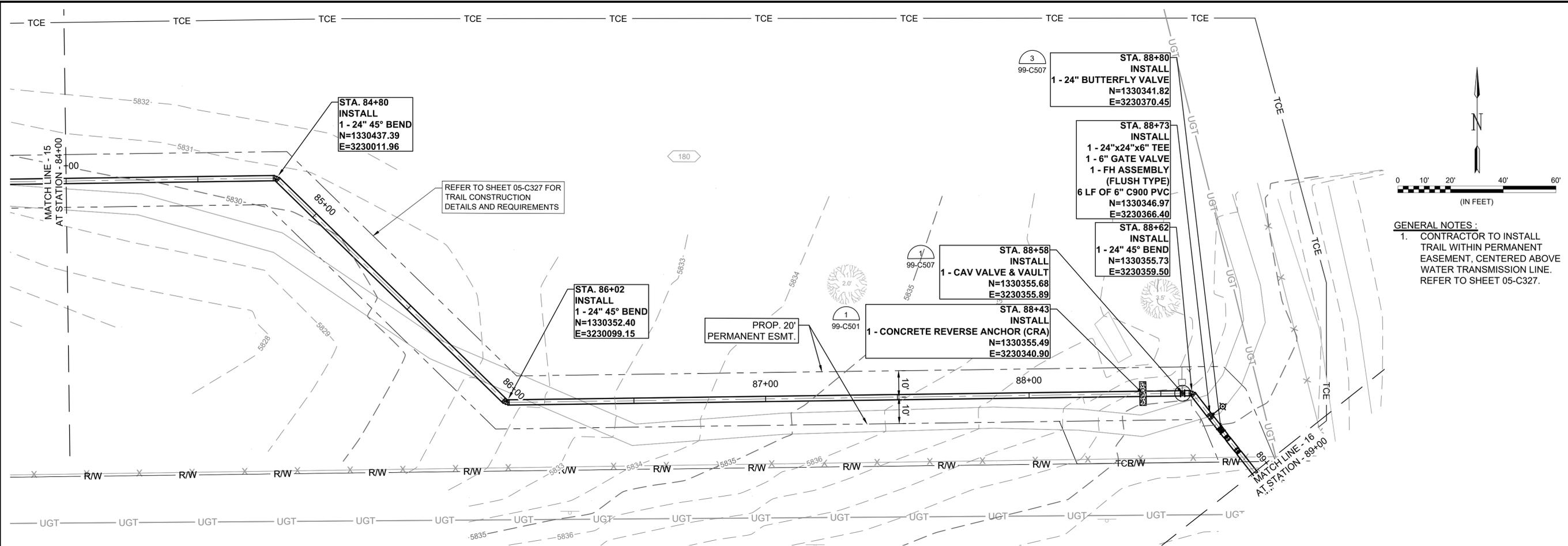
Widefield Water and Sanitation District
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 84+00 TO STA. 89+00)

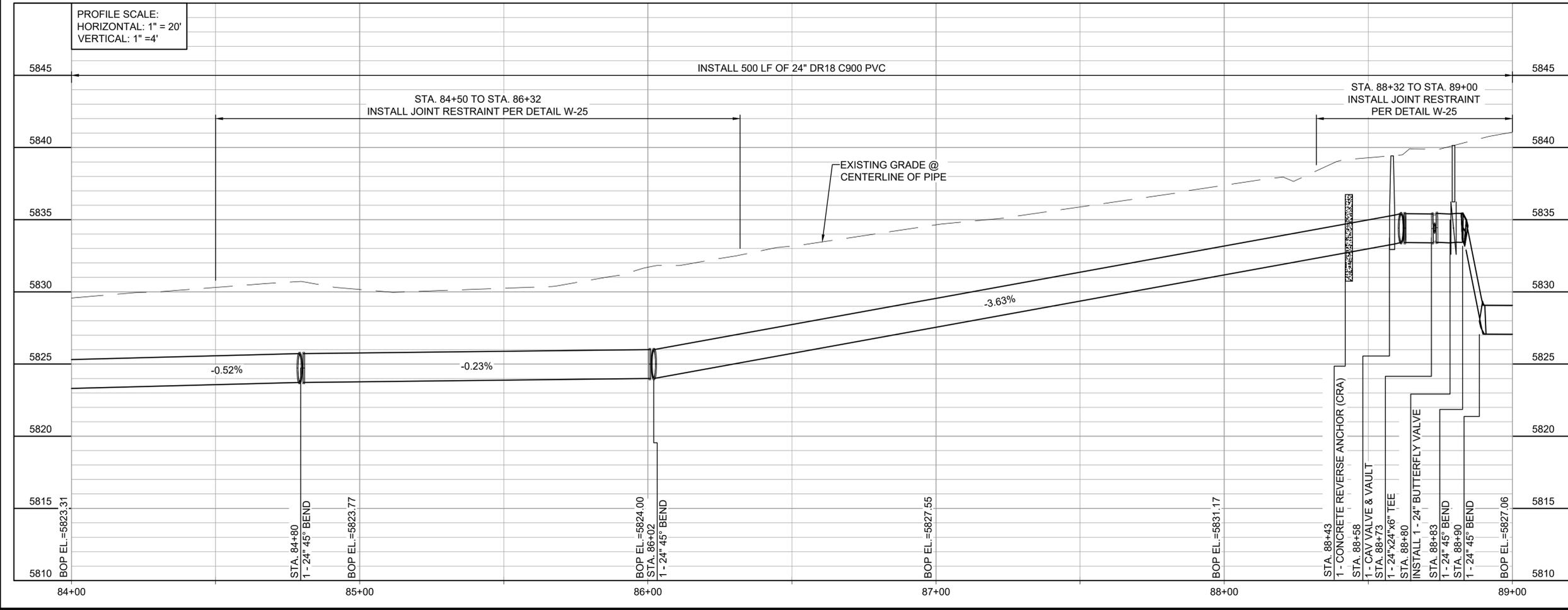
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C316
 SHEET NUMBER
25



GENERAL NOTES:
 1. CONTRACTOR TO INSTALL TRAIL WITHIN PERMANENT EASEMENT, CENTERED ABOVE WATER TRANSMISSION LINE. REFER TO SHEET 05-C327.



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 Last plotted by: Martinez, Ervin S., Plot Style: AECmonochrome.ctb, Plot Scale: 1:2,594.9, Plot Date: 10/17/2022 3:03 PM, Plotter Used: None



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REV.	DATE	DESCRIPTION	BY

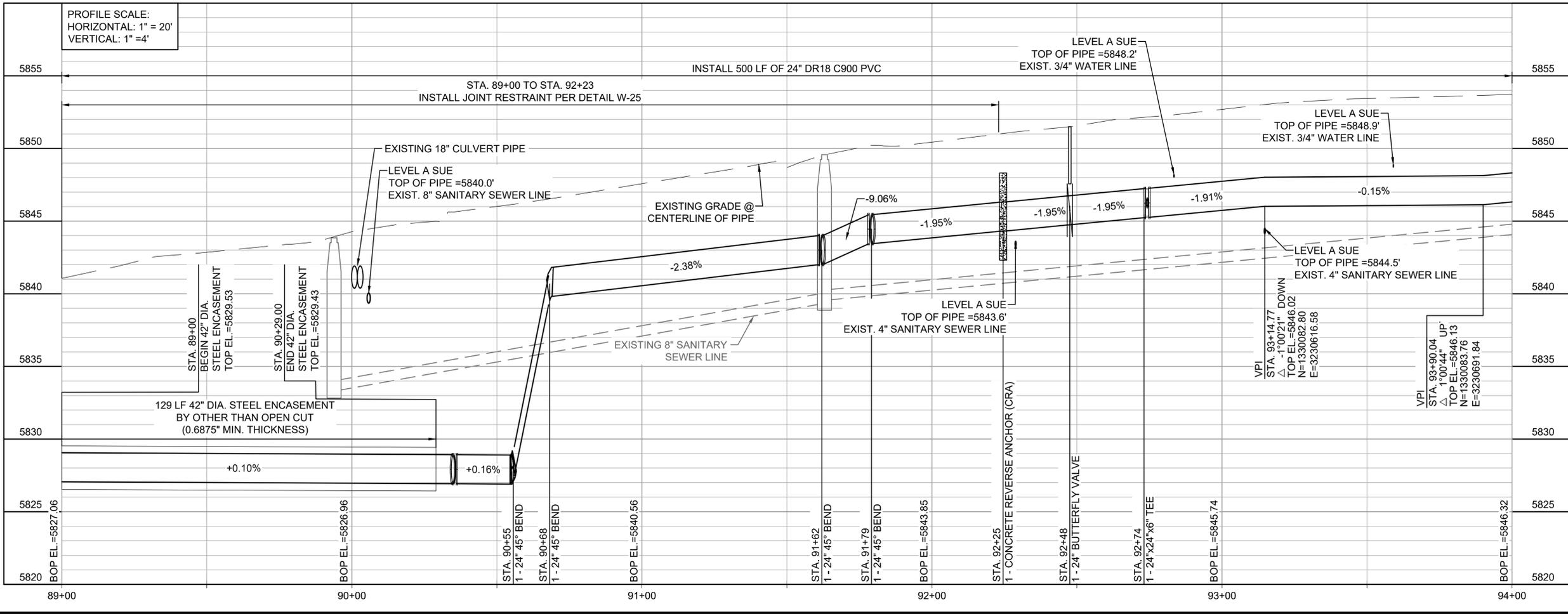
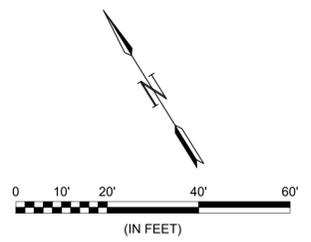
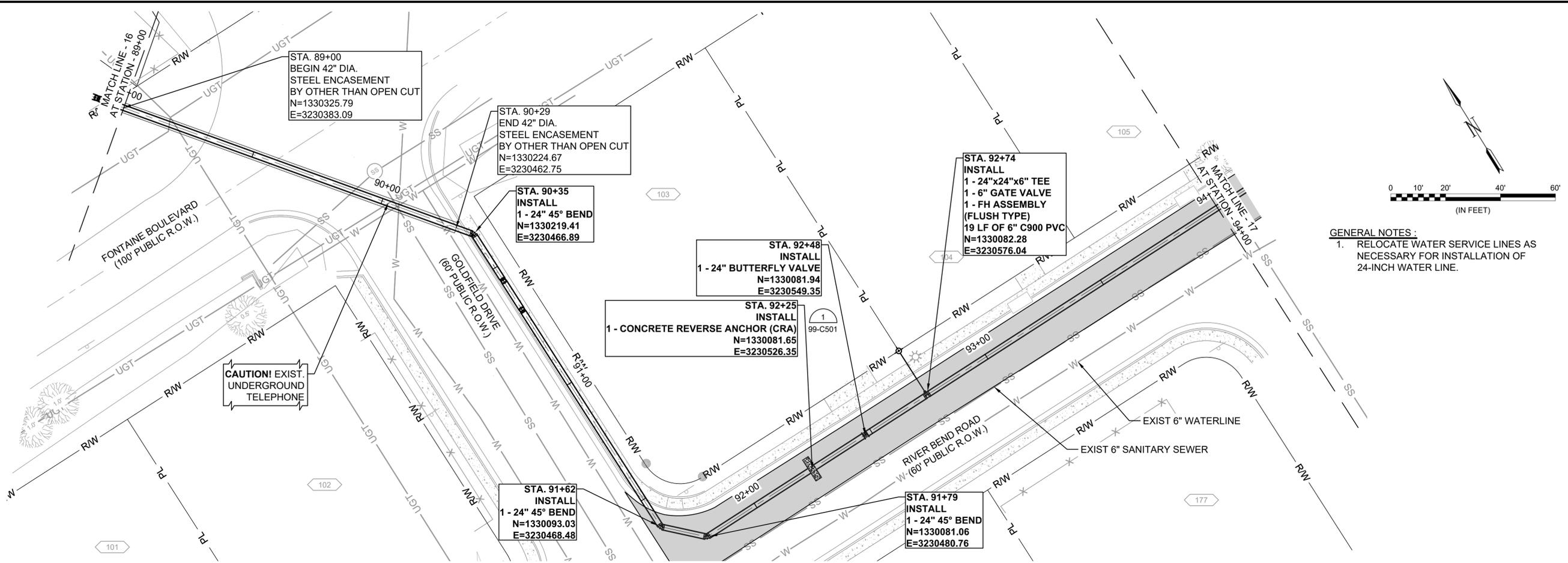
WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 89+00 TO STA. 94+00)

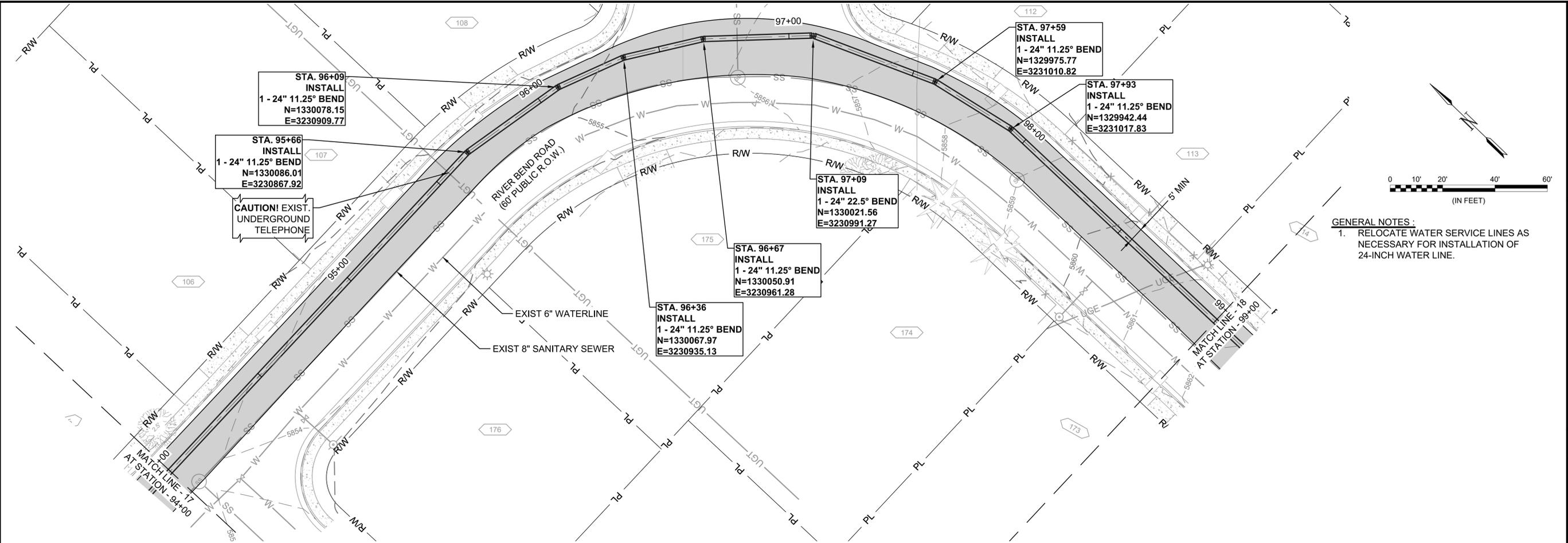
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

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DRAWING NUMBER
05-C317
 SHEET NUMBER
26



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 Last plotted by: Martinez, Ervin S., Plot Style: AECmon.ctb, Plot Scale: 10/17/2022 3:07 PM, Plotter used: None



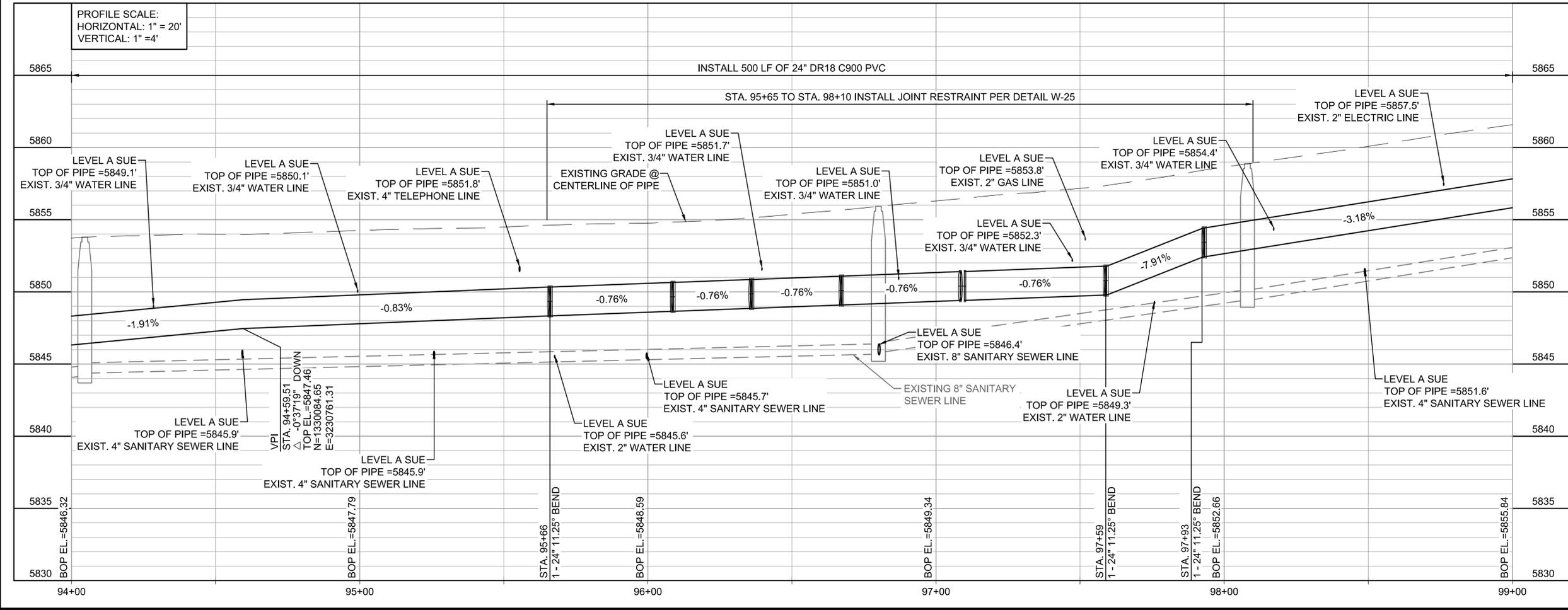
GENERAL NOTES:
 1. RELOCATE WATER SERVICE LINES AS NECESSARY FOR INSTALLATION OF 24-INCH WATER LINE.

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REV.	DATE	DESCRIPTION	BY

Widefield Water and Sanitation District
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE



PLAN AND PROFILE (STA. 94+00 TO STA. 99+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C318
SHEET NUMBER
27

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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 99+00 TO STA. 104+00)

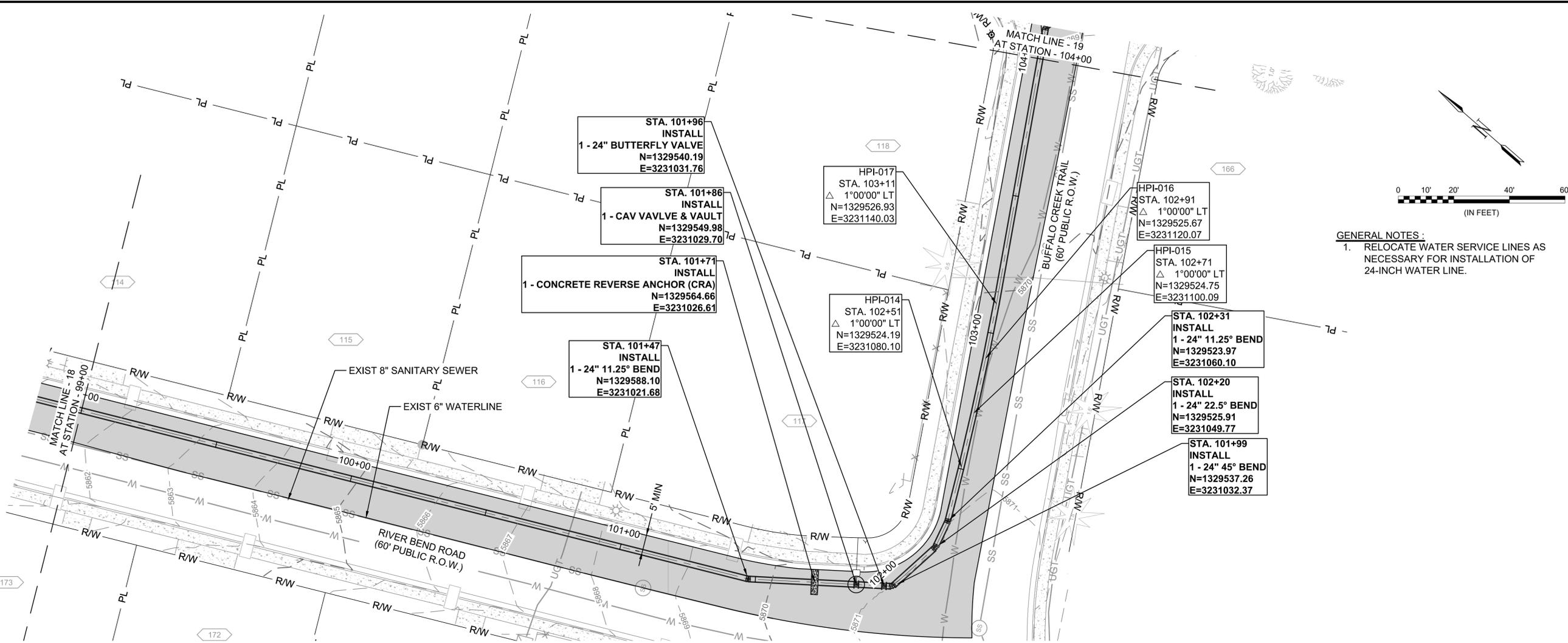
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

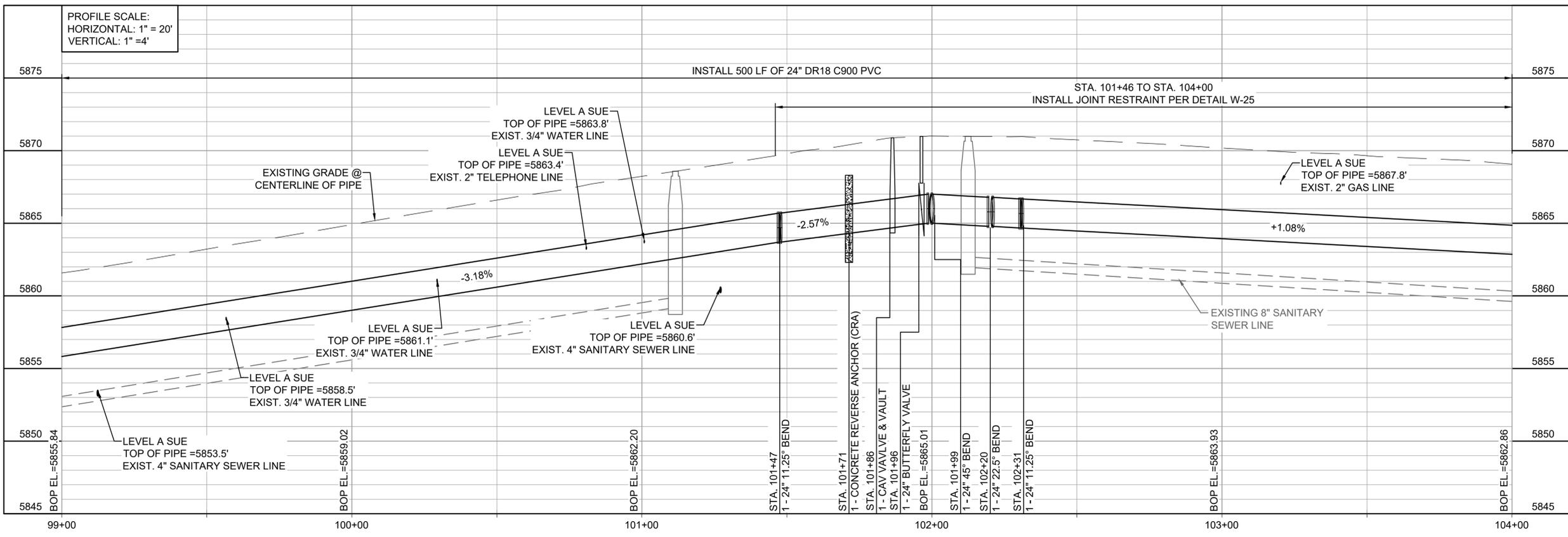
DRAWING NUMBER
05-C319
 SHEET NUMBER
28



GENERAL NOTES:
 1. RELOCATE WATER SERVICE LINES AS NECESSARY FOR INSTALLATION OF 24-INCH WATER LINE.



PROFILE SCALE:
 HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 4'



File: L:\2021\21W23110 - WWSWD UW2E CMAR\Drawings\WWSWD UM CMAR - 05-C319.dwg, Last Save: 9/28/2022 4:29 PM, Last saved by: ESMartinez
 Last plotted by: Martinez, Ervin S., Plot Style: AECmono.ctb, Plot Scale: 1:2,594.9, Plot Date: 10/17/2022 3:14 PM, Plotter used: None



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

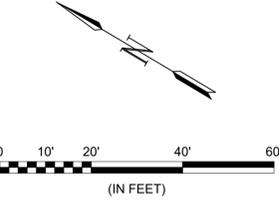
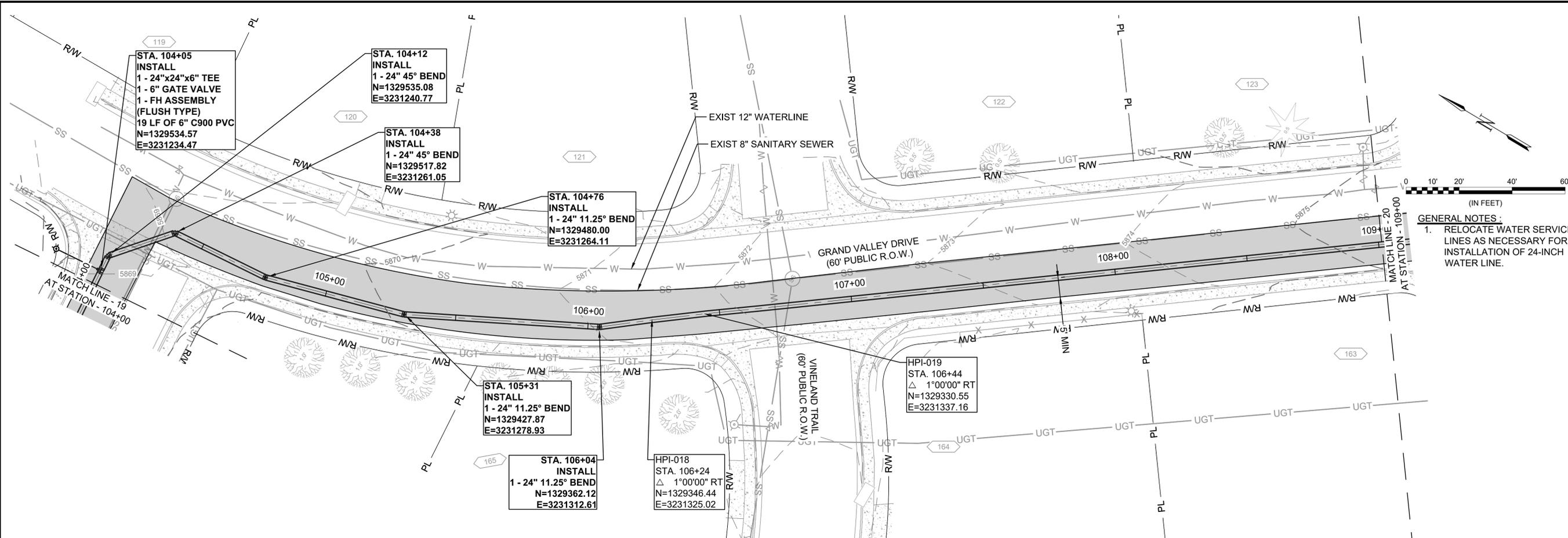
PLAN AND PROFILE
 (STA. 104+00 TO STA. 109+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

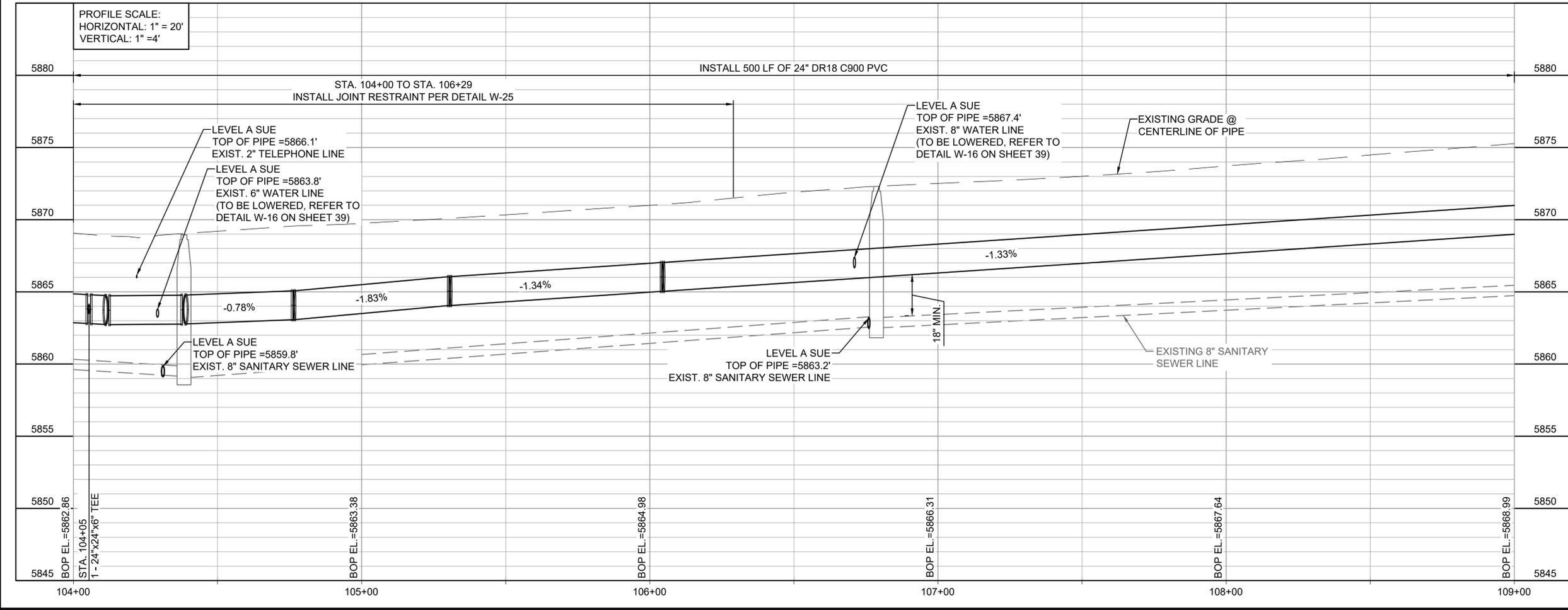
BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C320

SHEET NUMBER
29

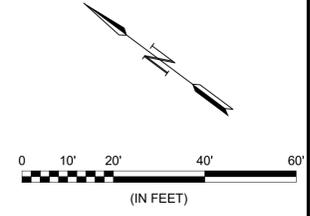
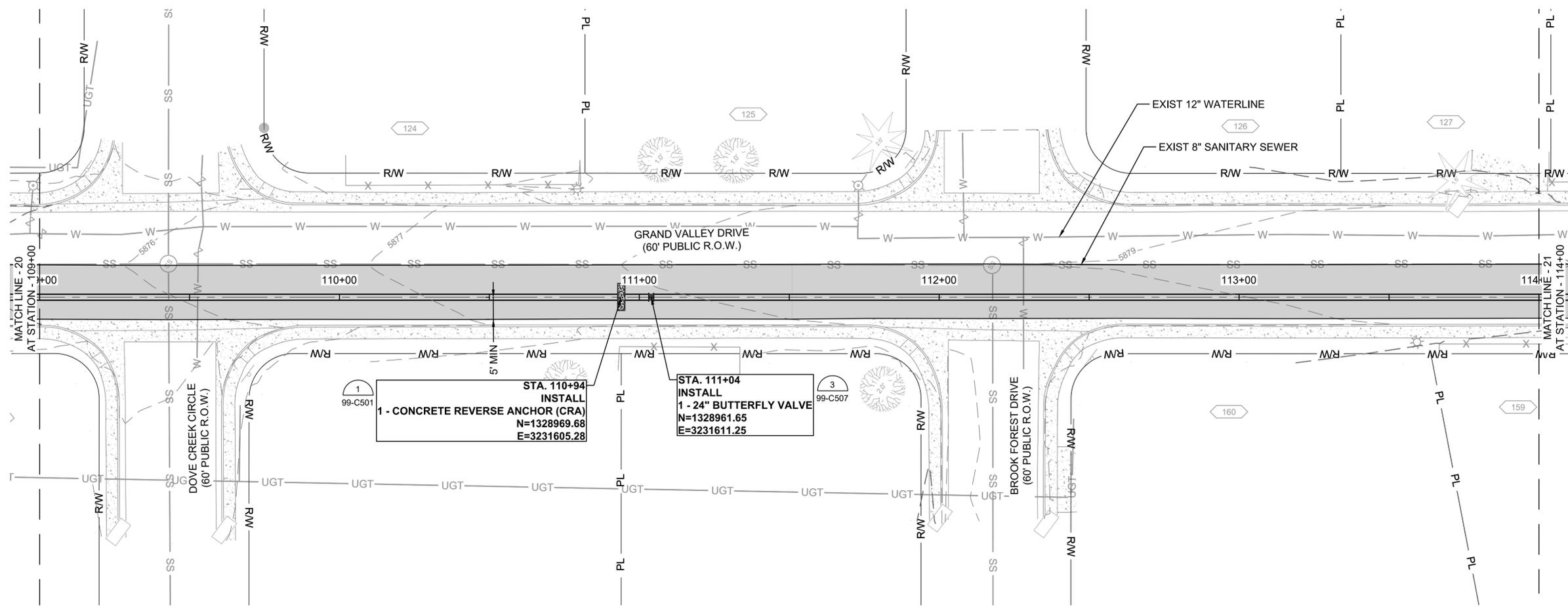


GENERAL NOTES:
 1. RELOCATE WATER SERVICE LINES AS NECESSARY FOR INSTALLATION OF 24-INCH WATER LINE.



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File: L:\2021\21W23110 - WWSDD UW2E CMAR\Drawings\WWSDD UW2E CMAR - 05-C321.dwg Last Save: 10/10/2022 4:13 PM Last saved by: ESMartinez
 Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Scale: 1:2,594.9 Plot Date: 10/27/2022 11:03 AM Plotter used: None



GENERAL NOTES:
 1. RELOCATE WATER SERVICE LINES AS NECESSARY FOR INSTALLATION OF 24-INCH WATER LINE.

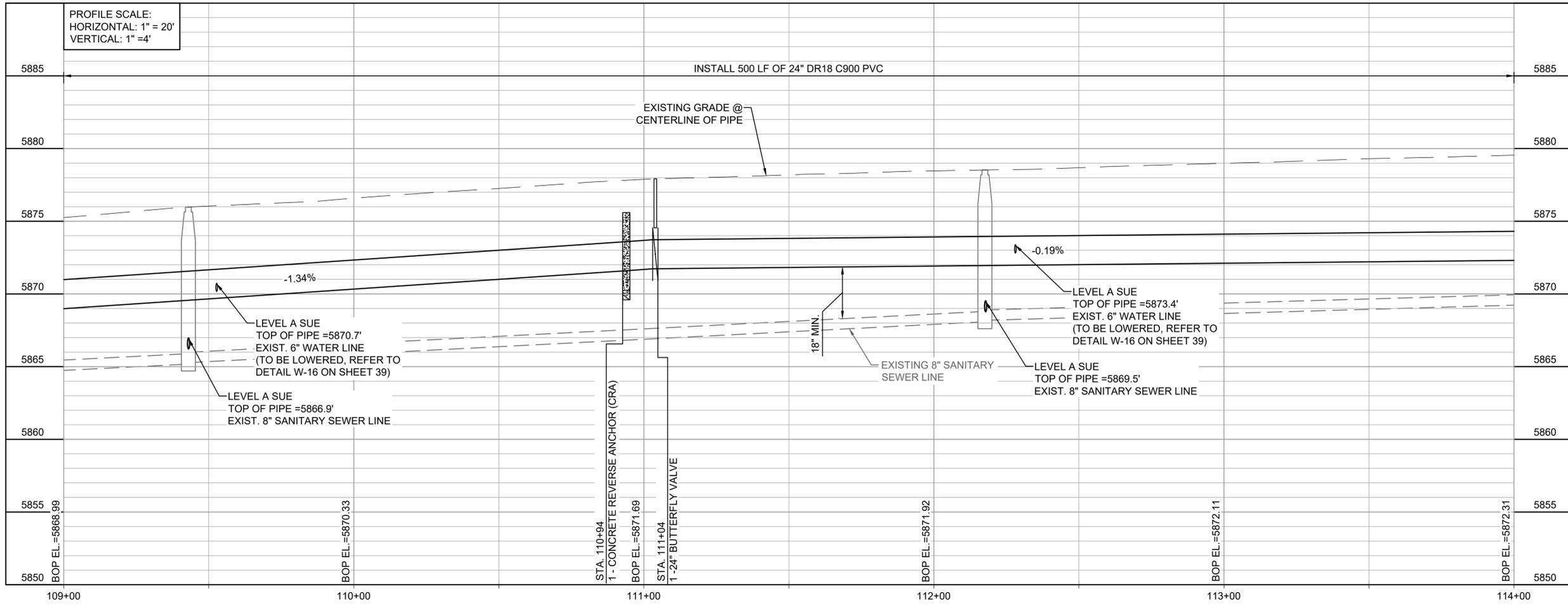


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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE



PLAN AND PROFILE (STA. 109+00 TO STA. 114+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
05-C321
SHEET NUMBER
30



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REV.	DATE	DESCRIPTION	BY

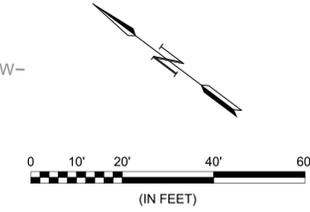
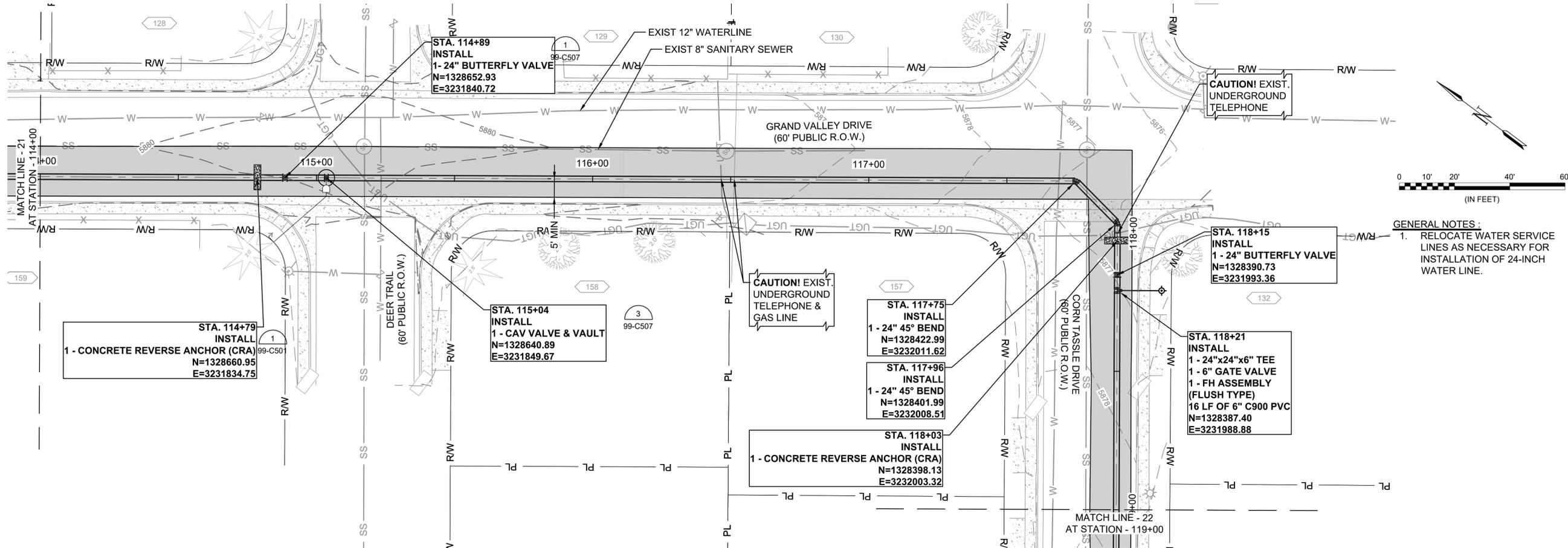
WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 114+00 TO STA. 119+00)

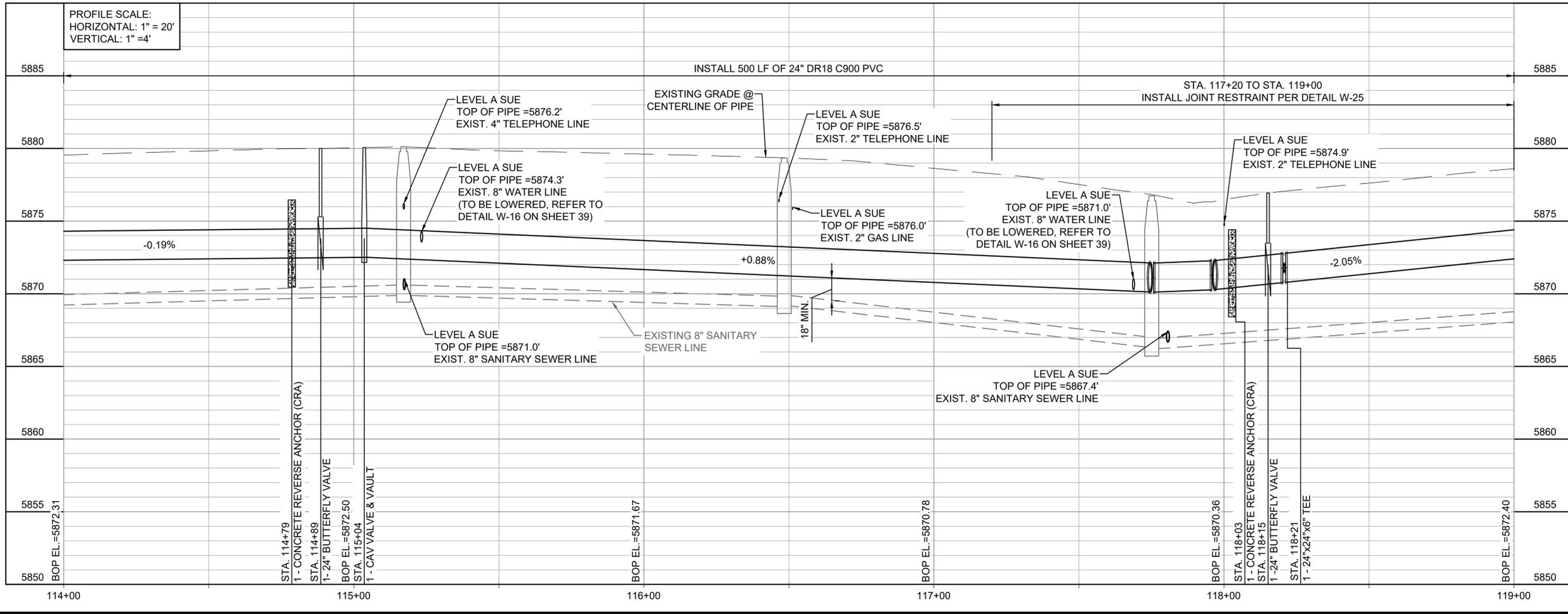
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C322
 SHEET NUMBER
31



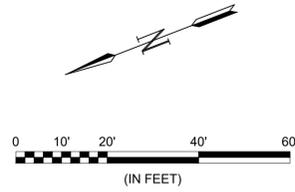
GENERAL NOTES:
 1. RELOCATE WATER SERVICE LINES AS NECESSARY FOR INSTALLATION OF 24-INCH WATER LINE.



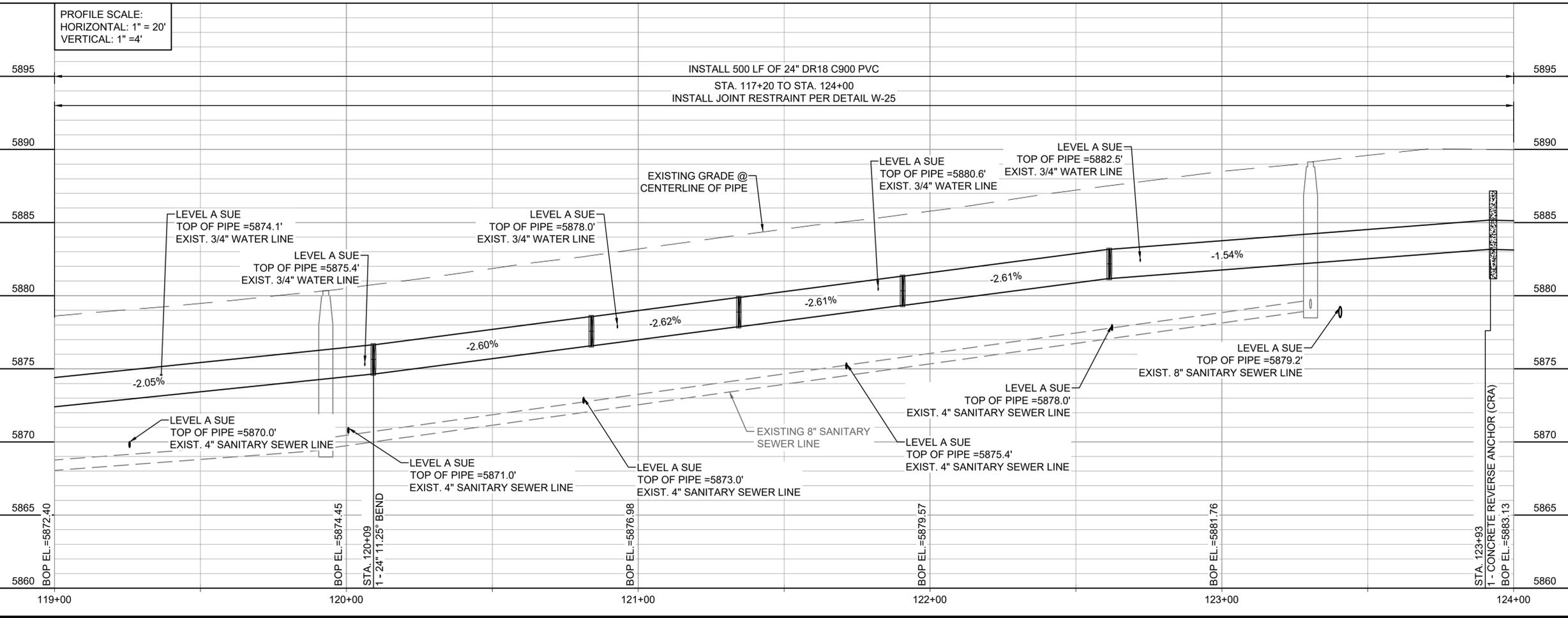
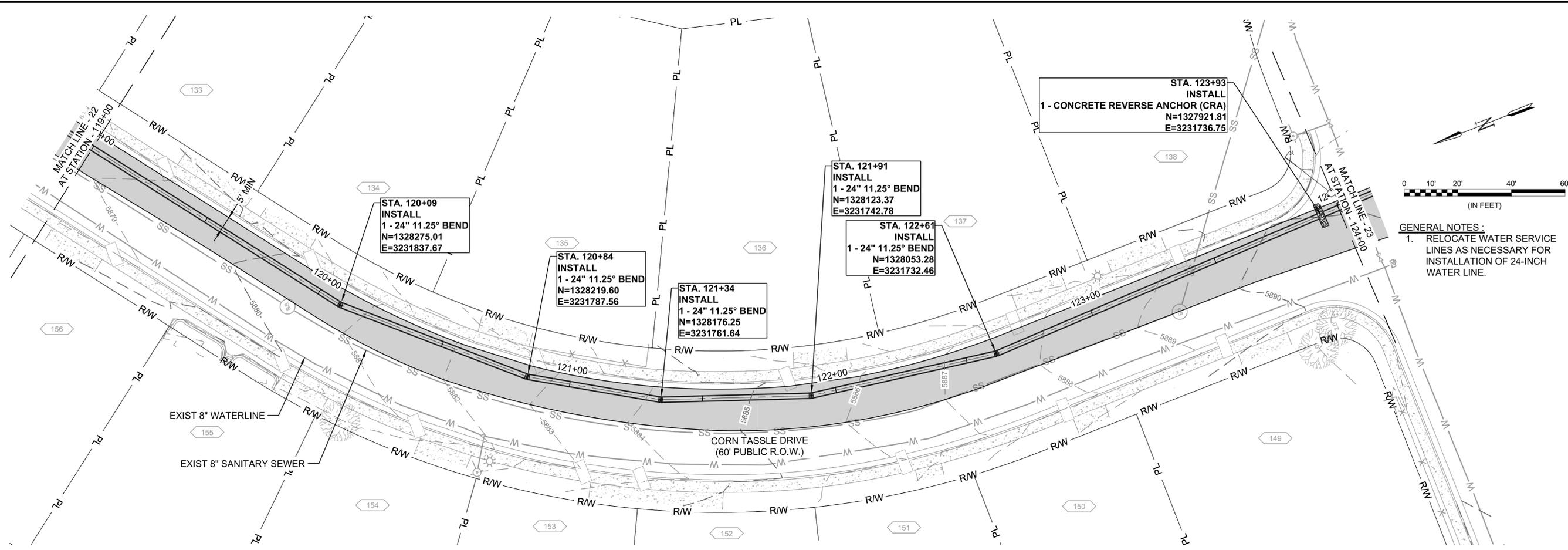
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 Last plotted by: Martinez, Ervin S., Plot Style: AECmonochrome.ctb, Plot Scale: 1:2,594.9, Plot Date: 10/27/2022 11:07 AM, Plotter used: None



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GENERAL NOTES:
 1. RELOCATE WATER SERVICE LINES AS NECESSARY FOR INSTALLATION OF 24-INCH WATER LINE.



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 119+00 TO STA. 124+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

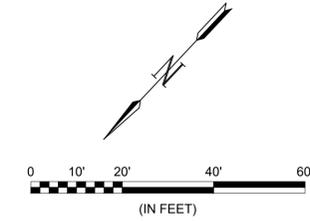
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 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C323
 SHEET NUMBER
32

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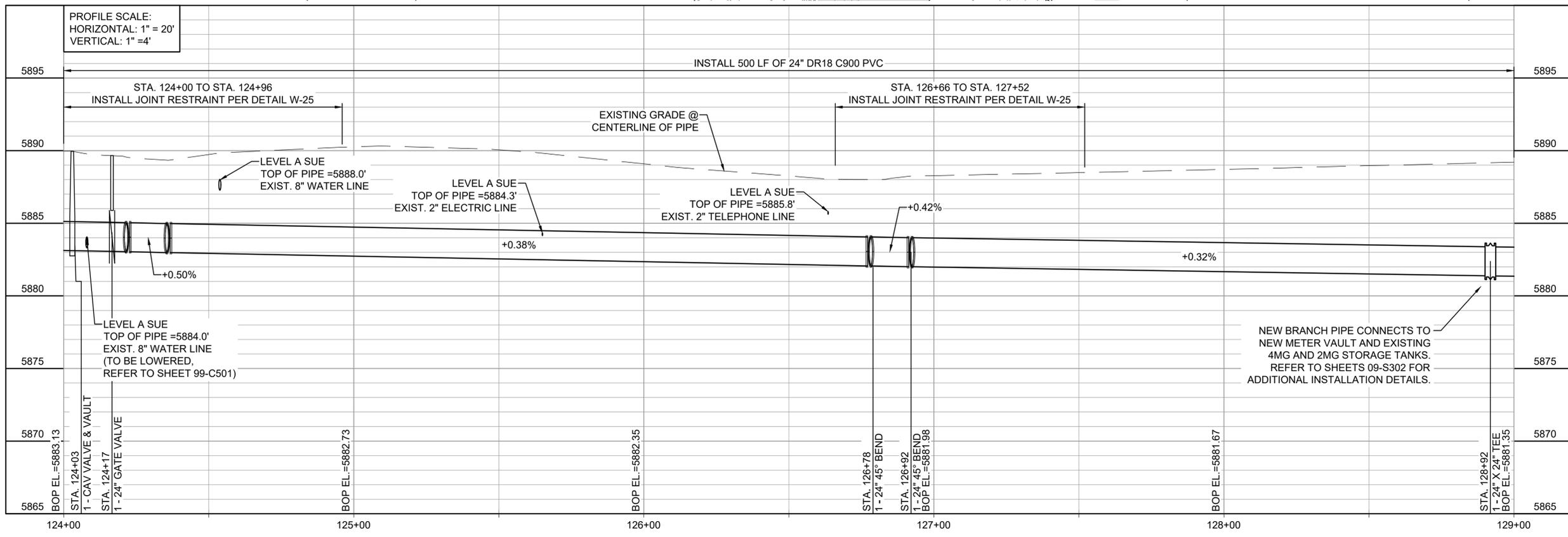
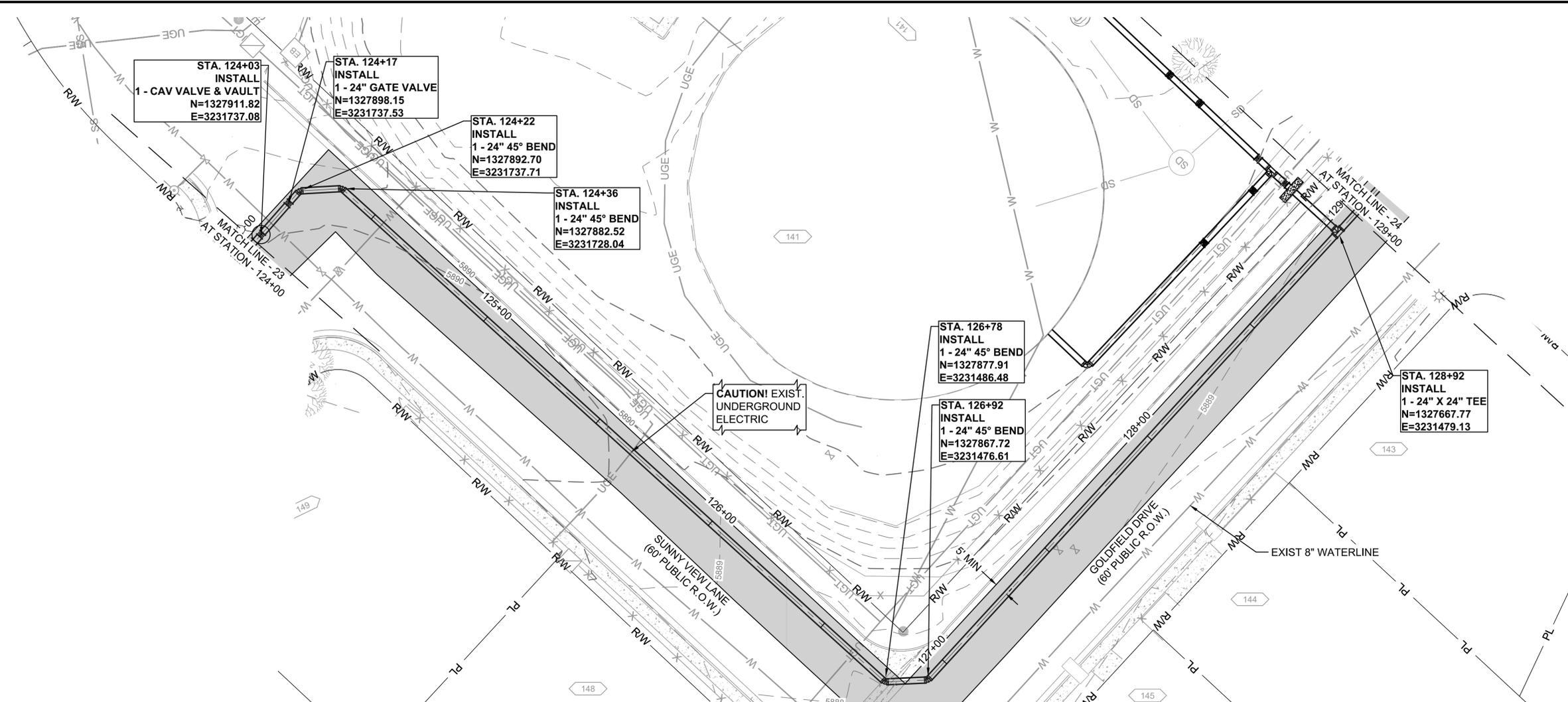


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GENERAL NOTES:
 1. RELOCATE WATER SERVICE LINES AS NECESSARY FOR INSTALLATION OF 24-INCH WATER LINE.

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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 124+00 TO STA. 129+00)

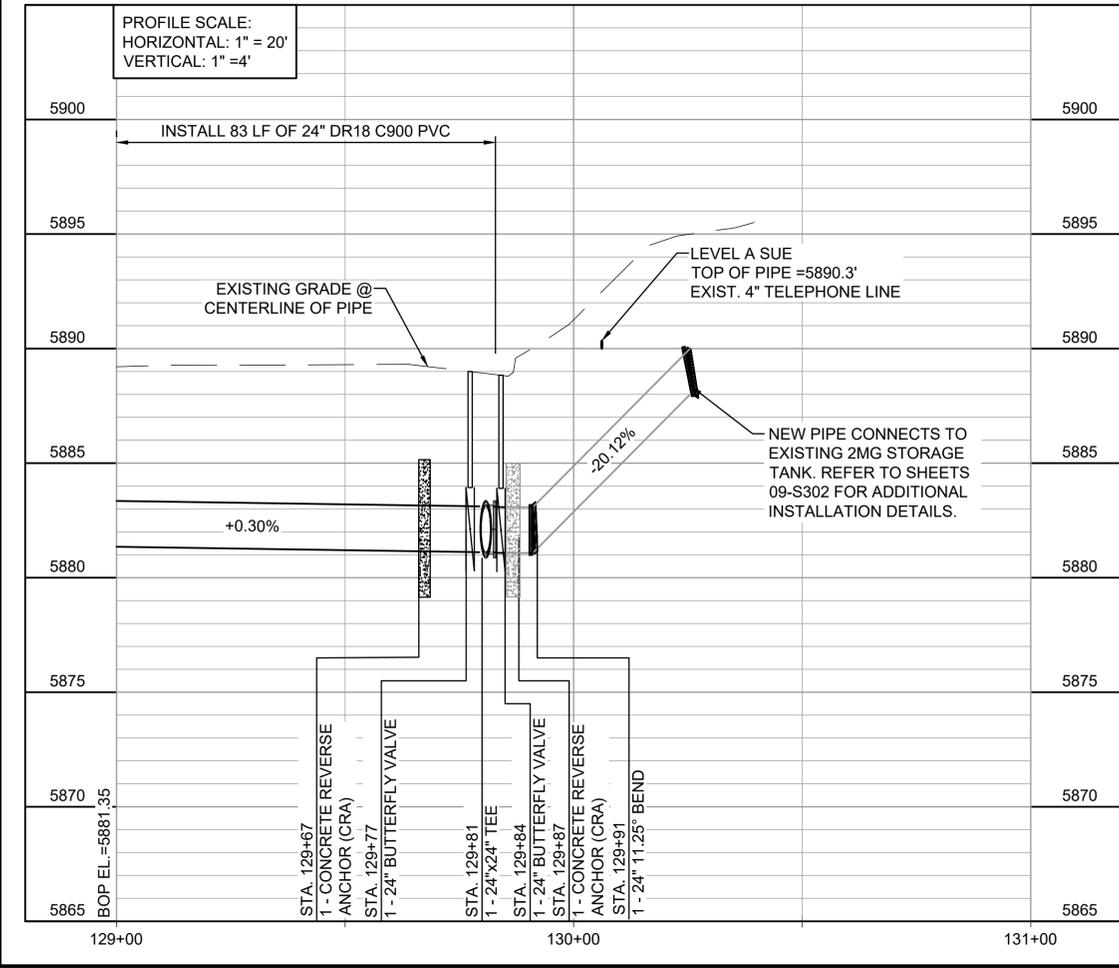
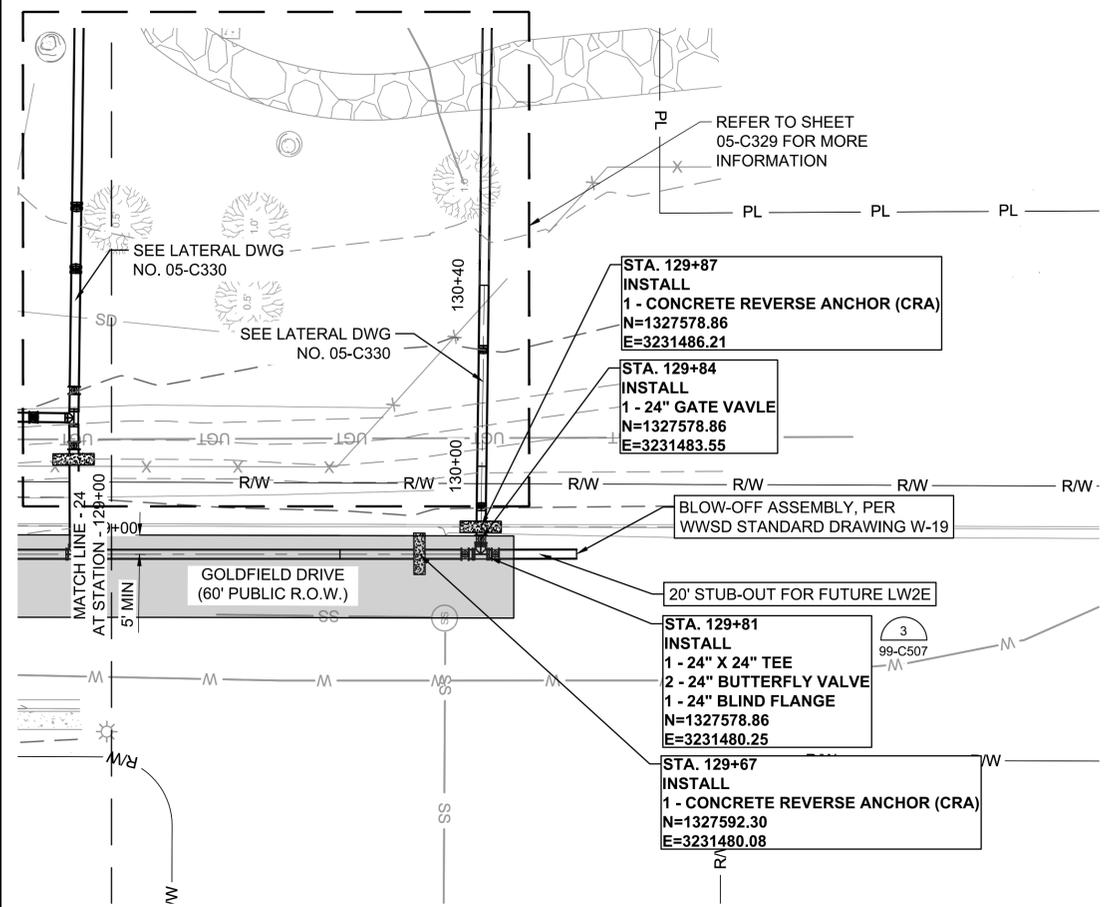
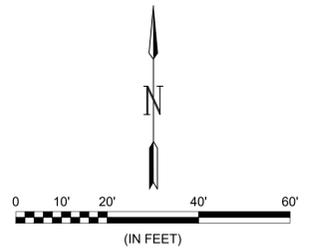
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
05-C324
SHEET NUMBER
33

File: L:\2021\21W23110 - WWSDD UW2E CMAR\Drawings\WWSDD UM CMAR - 05-C324.dwg Last Save: 10/10/2022 4:25 PM Last saved by: ESMartinez
 Last plotted by: Martinez, Ervin S. Plot Size: AECmono.ctb Plot Scale: 1:2,594.9 Plot Date: 10/27/2022 11:14 AM Plotter used: None



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 129+00 TO STA. 130+13)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

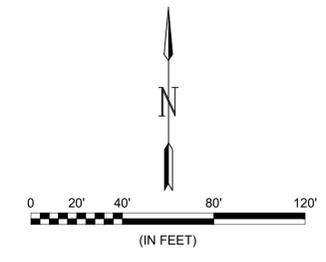
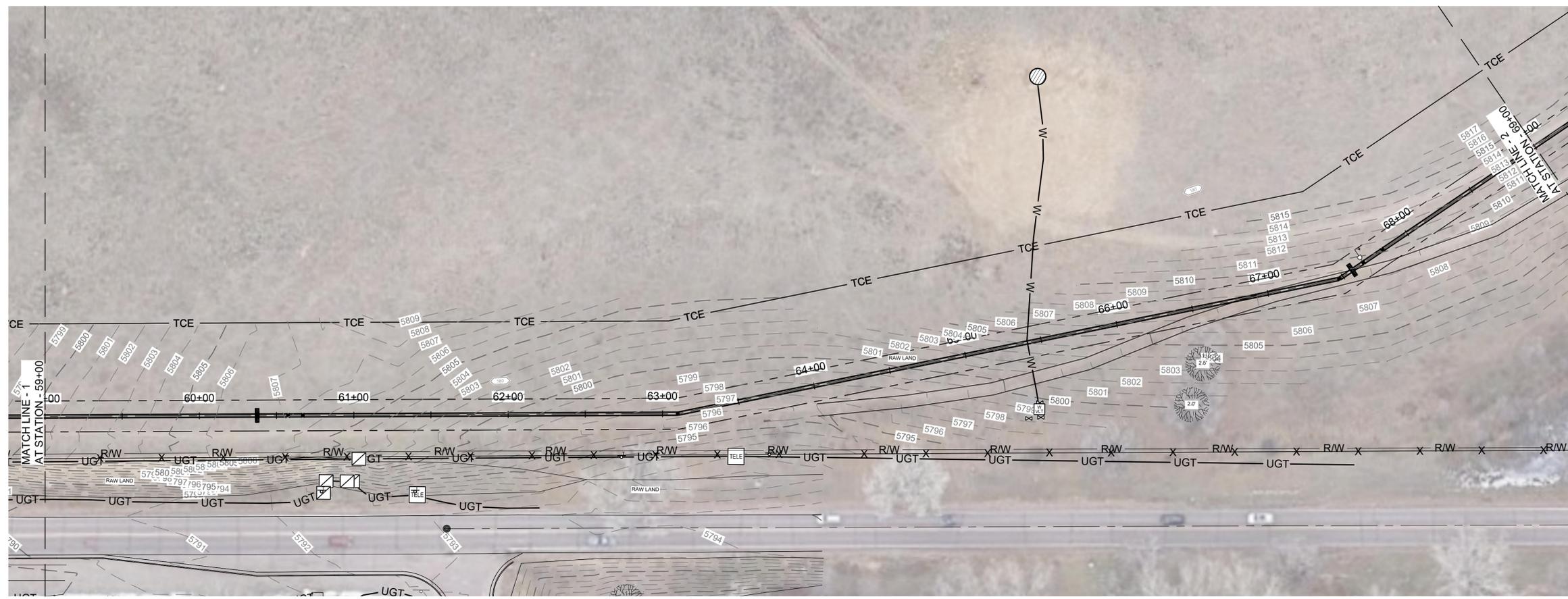
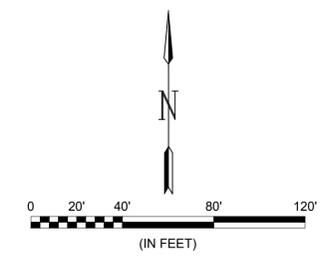
BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
05-C325

SHEET NUMBER
34

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 Last plotted by: Martinez, Ervin S. Plot Style: AECmono.ctb Plot Scale: 1:2.5949 Plot Date: 10/27/2022 11:18 AM Plotter used: None

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 Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmono.ctb Plot Scale: 1:2,564.9 Plot Date: 10/19/2022 10:42 AM Plotter Used: None



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

TRAIL REPLACEMENT LAYOUT

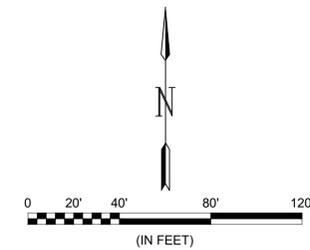
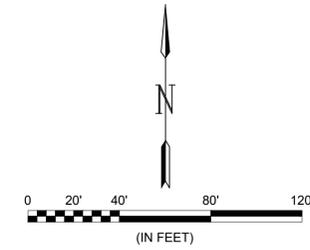
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 0 20' 40' 80' 120'
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C326

SHEET NUMBER
35

File: L:\2021\12\12\2110 - W\WSD UW2E CMAR\Drawings\TRAIL REPLACEMENT 2.dwg Last Save: 10/19/2022 10:21 AM Last saved by: F.Chavez
 Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmono.ctb Plot Scale: 1:2,5649 Plot Date: 10/19/2022 10:43 AM Plotter Used: None



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

TRAIL REPLACEMENT LAYOUT 2

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

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DRAWING NUMBER
05-C327
 SHEET NUMBER
36



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REV.	DATE	DESCRIPTION	BY

Widefield Water and Sanitation District
 WIDEFIELD, COLORADO

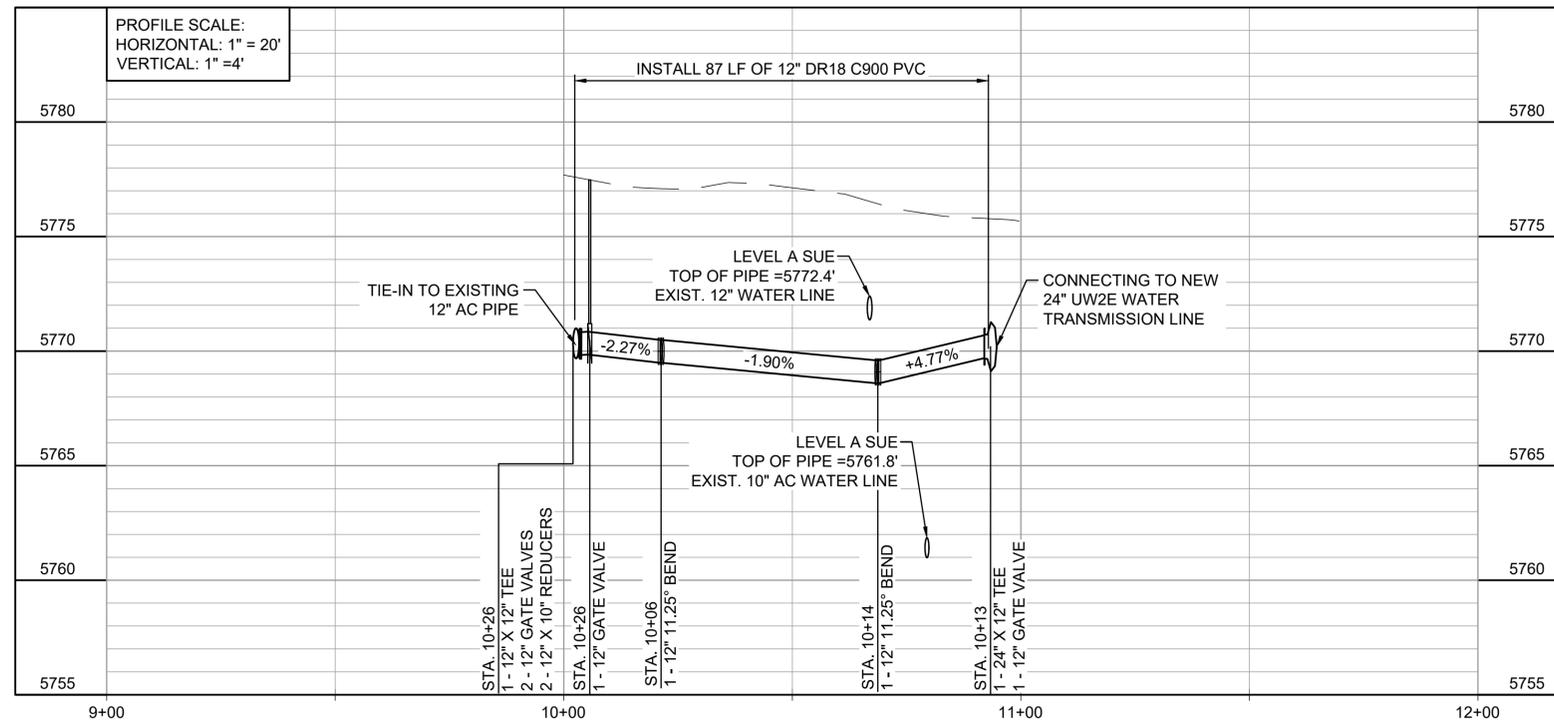
UPPER WEST TO EAST TRANSMISSION LINE

12" WATER LINE LATERAL AT BOOSTER 2 PUMP STATION

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

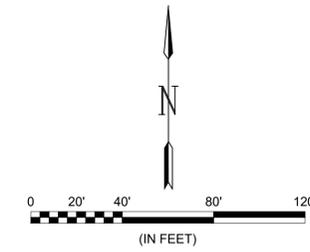
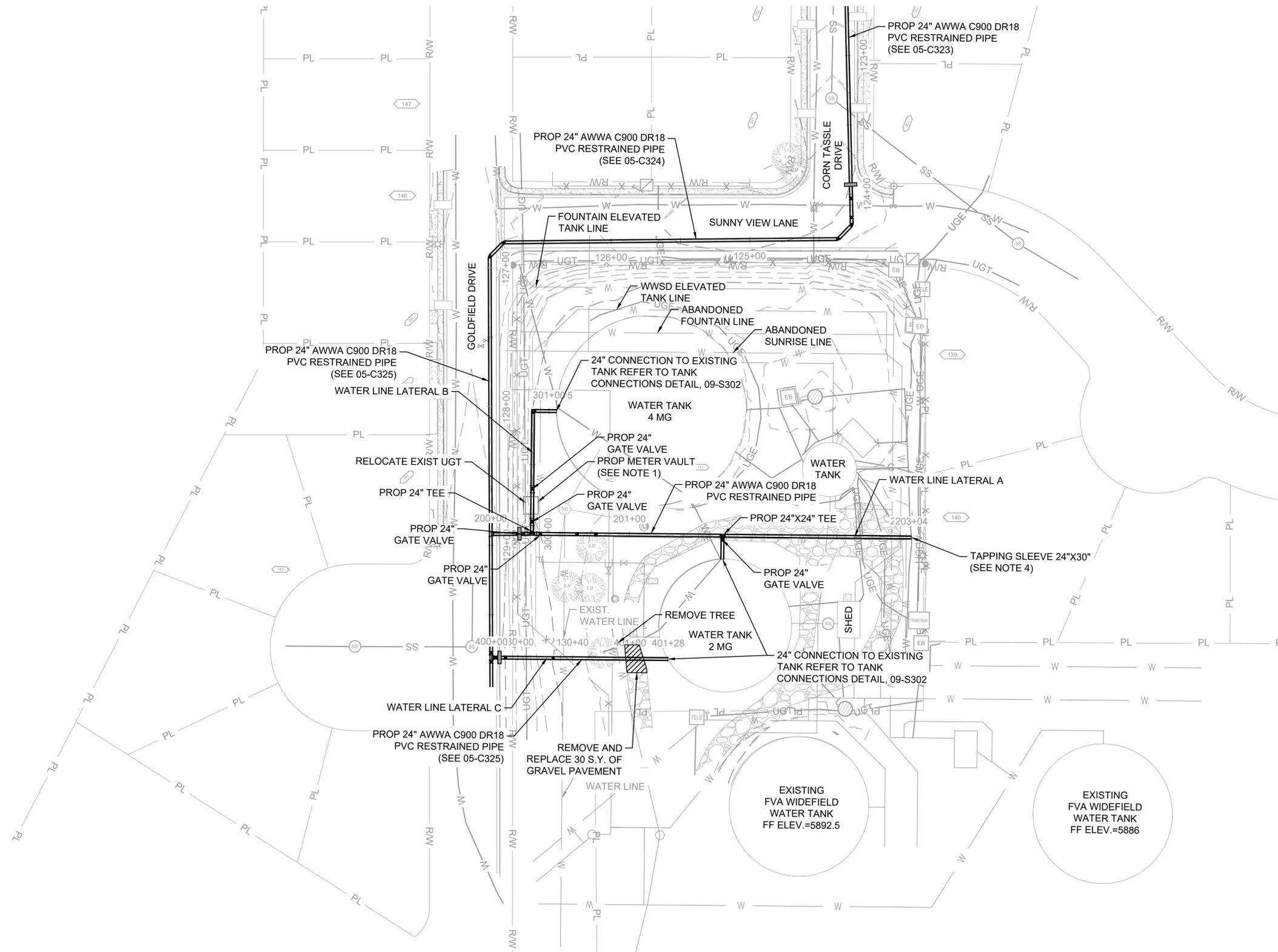
BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-C328
 SHEET NUMBER **37**



1
 05-C301 **12" WATER LINE LATERAL AT BOOSTER 2 PUMP STATION**
 SCALE: 1" = 20'

File: L:\2021\12\12\2110 - WWSD UW2E CMAR\Drawings\WWSD UM CMAR - 05-C326.dwg, Last Save: 10/17/2022 10:01 AM, Last saved by: F.Chavez
 Last plotted by: Martinez, Ervin S., Plot Style: AECmono.ctb, Plot Scale: 1:2,5849, Plot Date: 10/17/2022 3:39 PM, Plotter used: None



- NOTES**
- REFER TO METER VAULT DETAIL FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY CROSSINGS VIA LEVEL A SUE PRIOR TO CONSTRUCTING WATER LINE.
 - CATHODIC PROTECTION SHALL BE PROVIDED ON ALL METALLIC FITTINGS OR PIPE. CONTRACTOR SHALL HAVE A CORROSION ENGINEER REGISTERED IN THE STATE OF COLORADO SIGN AND SEAL THE CATHODIC PROTECTION DESIGN PLANS OR DETAILS.
 - UNCOVER EXISTING 30-INCH DUCTILE IRON JOINTS AND INSTALL EBAA IRON SERIES 1700 MEGA LUG OR APPROVED EQUAL PRIOR TO TAPPING THE EXISTING WATER LINE.
 - ALL YARD PIPING SHALL BE RESTRAINED WITH MECHANICAL JOINTS. SEE TANK FARM LATERAL ON SHEET 05-C330 FOR INFORMATION.
 - CONTRACTOR TO COORDINATE WITH OWNER AND ENGINEER FOR TANK TIE-IN CONNECTIONS AND DISINFECTION.

SITE WORK POINTS			
POINT #	DESCRIPTION	NORTHING	EASTING
1	GATE VALVE	1327668.15	3231502.83
2	GATE VALVE	1327668.24	3231514.88
3	GATE VALVE	1327676.82	3231508.88
4	GATE VALVE	1327700.41	3231508.88
5	GATE VALVE	1327665.04	3231646.43



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REV.	DATE	DESCRIPTION	BY

Widefield Water and Sanitation District
 WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

YARD PIPING PLAN

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

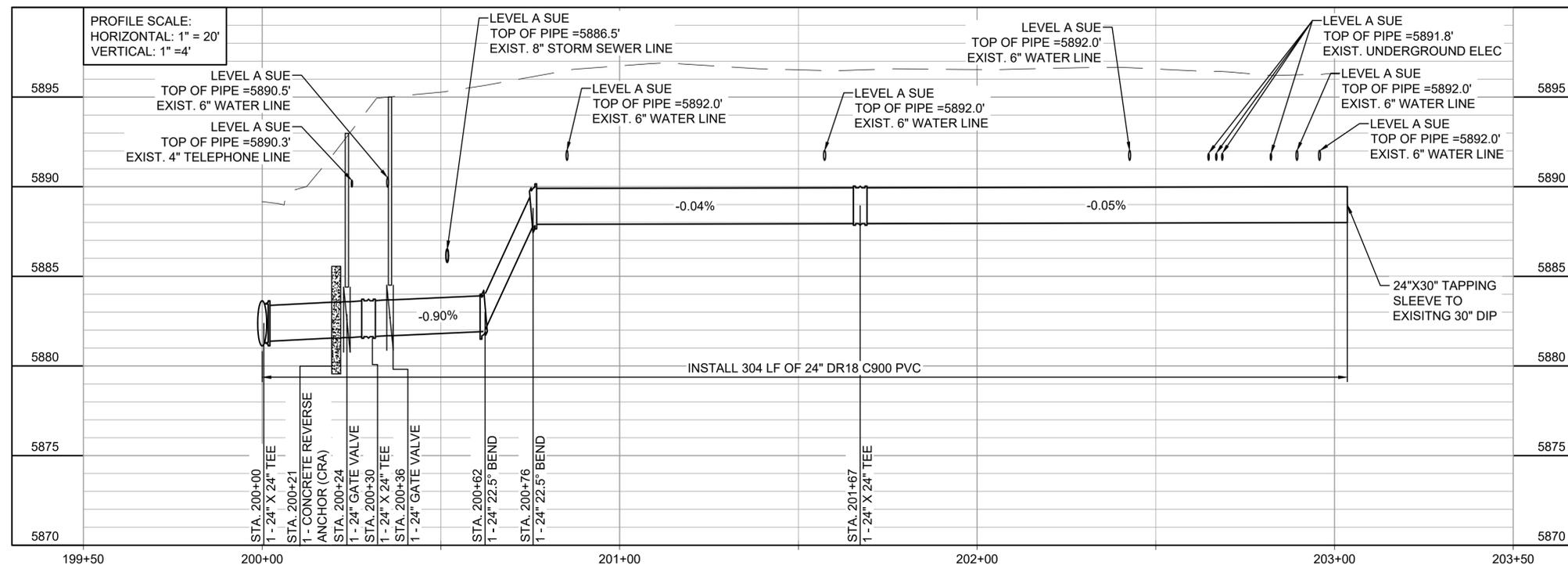
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DRAWING NUMBER
05-C329
 SHEET NUMBER
38



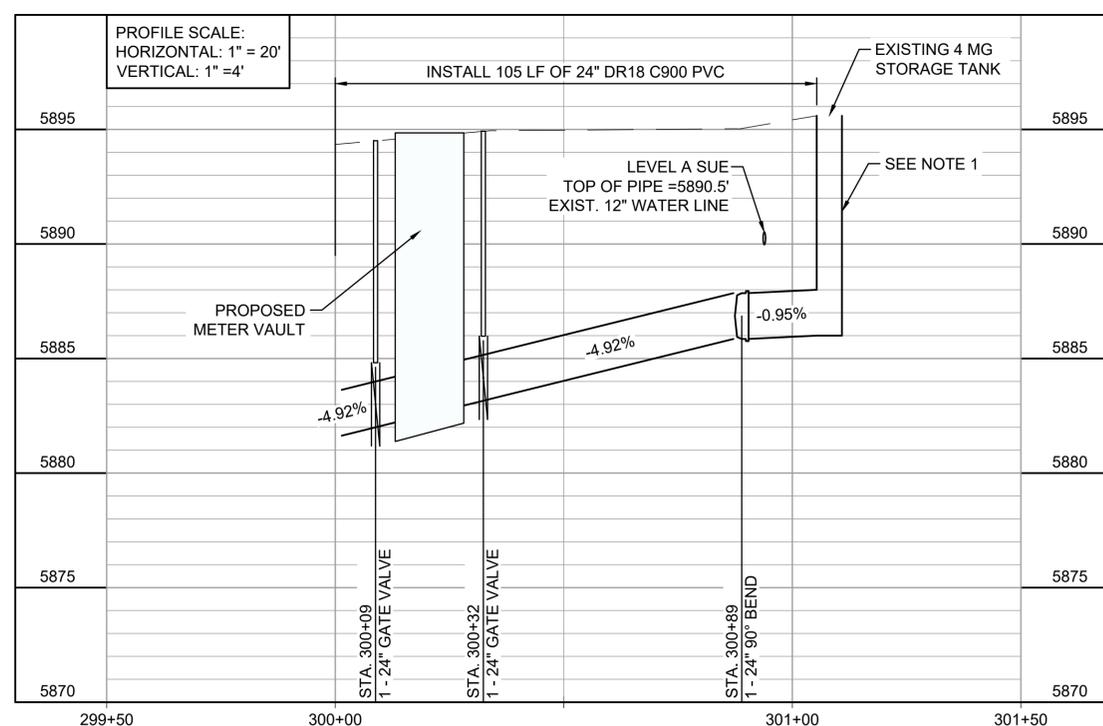
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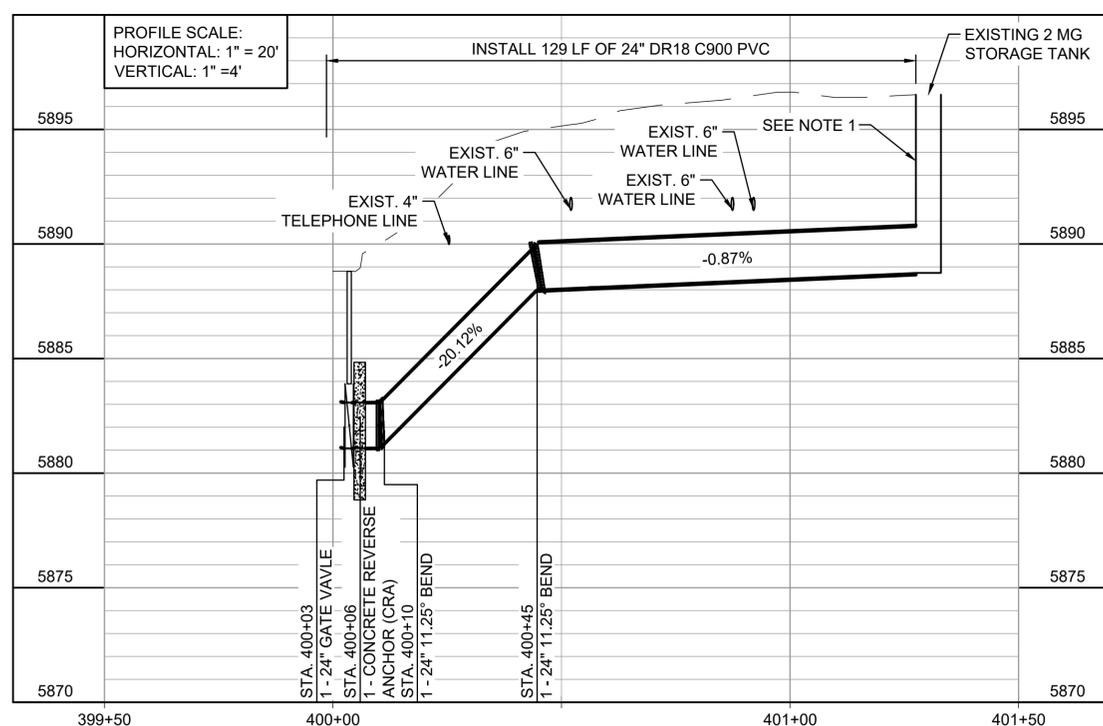


- NOTES**
- ALL YARD PIPING SHALL BE RESTRAINED WITH MECHANICAL JOINTS.
 - REFER TO TANK CONNECTION DETAIL ON DRAWING NUMBER 09-S302.
 - EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATION. VERIFY EXISTING UTILITIES DEPTH OF COVER PRIOR TO BEGINNING CONSTRUCTION.

1 WATER LINE LATERAL A
 05-C301 SCALE: 1" = 20'



2 WATER LINE LATERAL B
 05-C301 SCALE: 1" = 20'



3 WATER LINE LATERAL C
 05-C301 SCALE: 1" = 20'

File: L:\2021\21W23110 - WWSDD UW2E CMARDrawings\WWSDD UM CMAR - 05-C329.dwg, Last Save: 10/11/2022 5:00 PM, Last saved by: FJChavez
 Last plotted by: Martinez, Ervin S., Plot Style: AECmonochrome.ctb, Plot Scale: 1:2,594.9, Plot Date: 10/17/2022 3:42 PM, Plotter used: None

REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

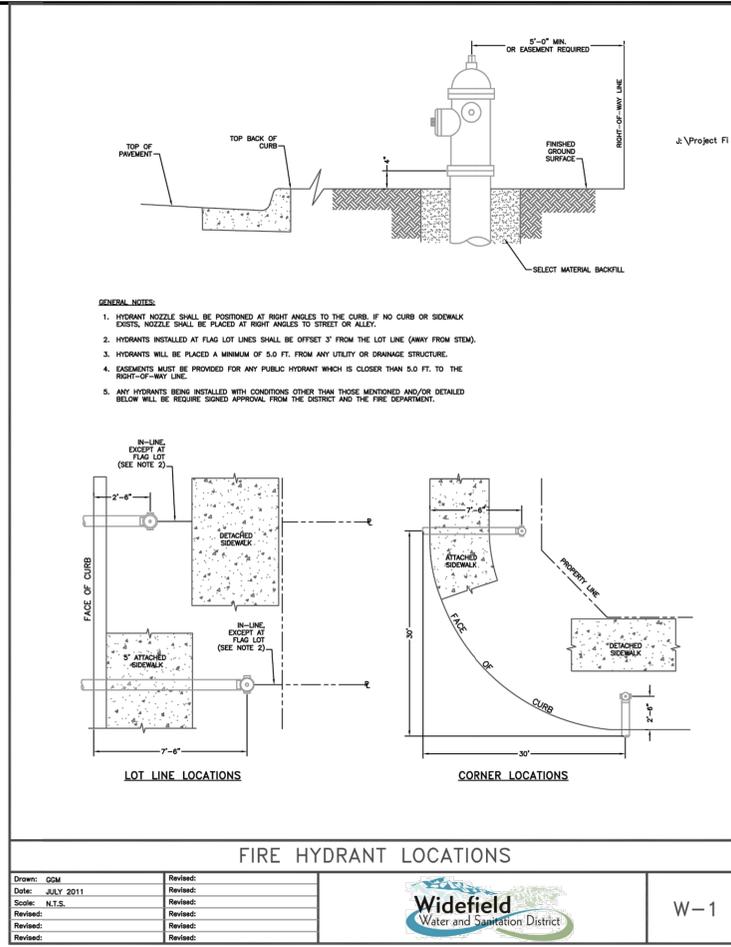
TANK FARM LATERALS

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

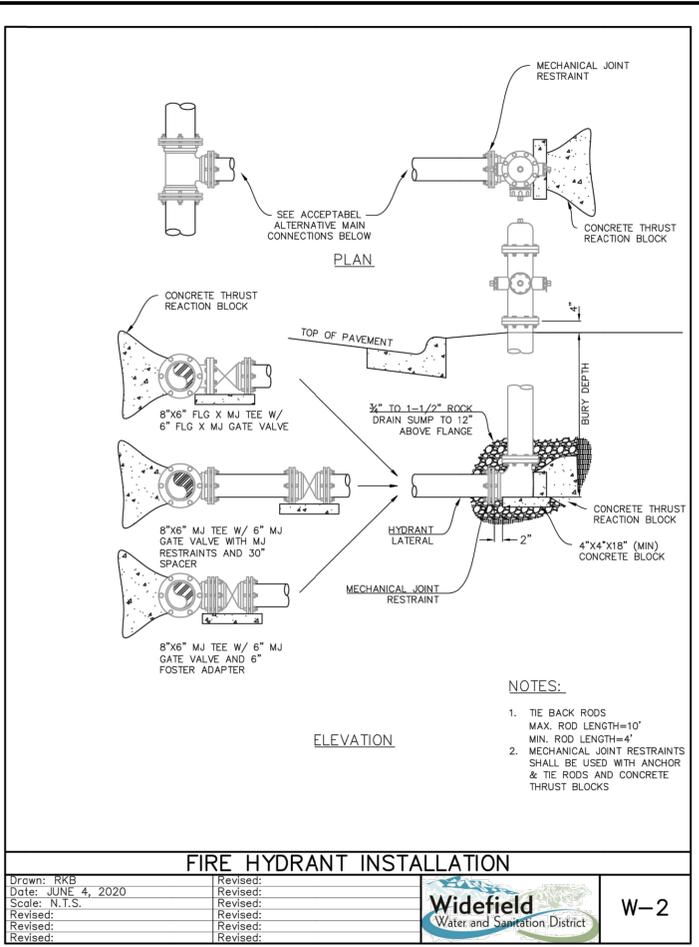
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DRAWING NUMBER
05-C330

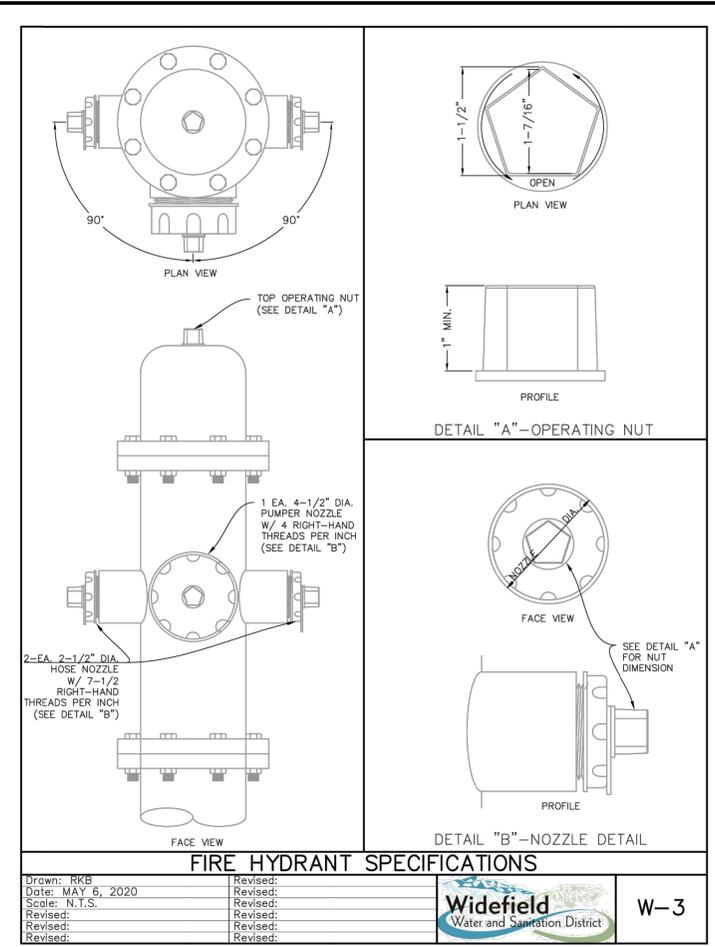
SHEET NUMBER
39



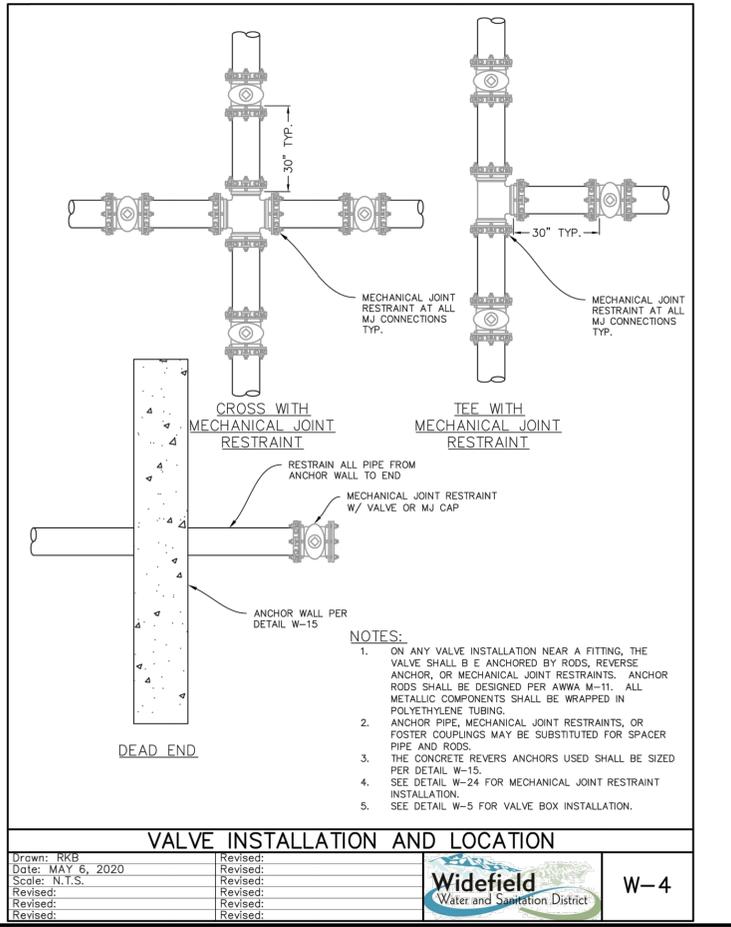
Drawn: GGM	Revised:		W-1
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



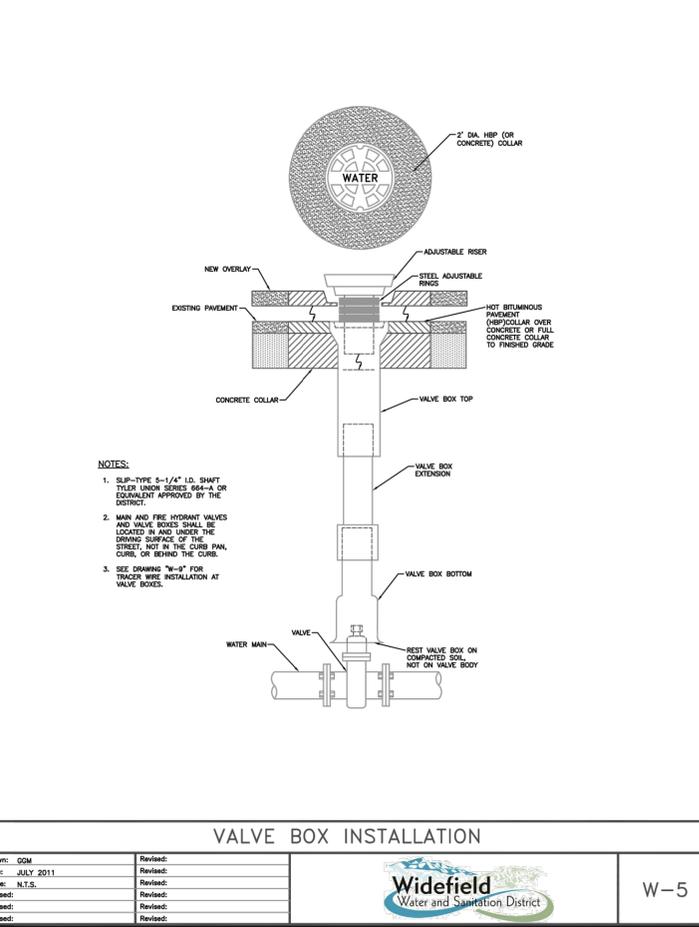
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Date: JUNE 4, 2020	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



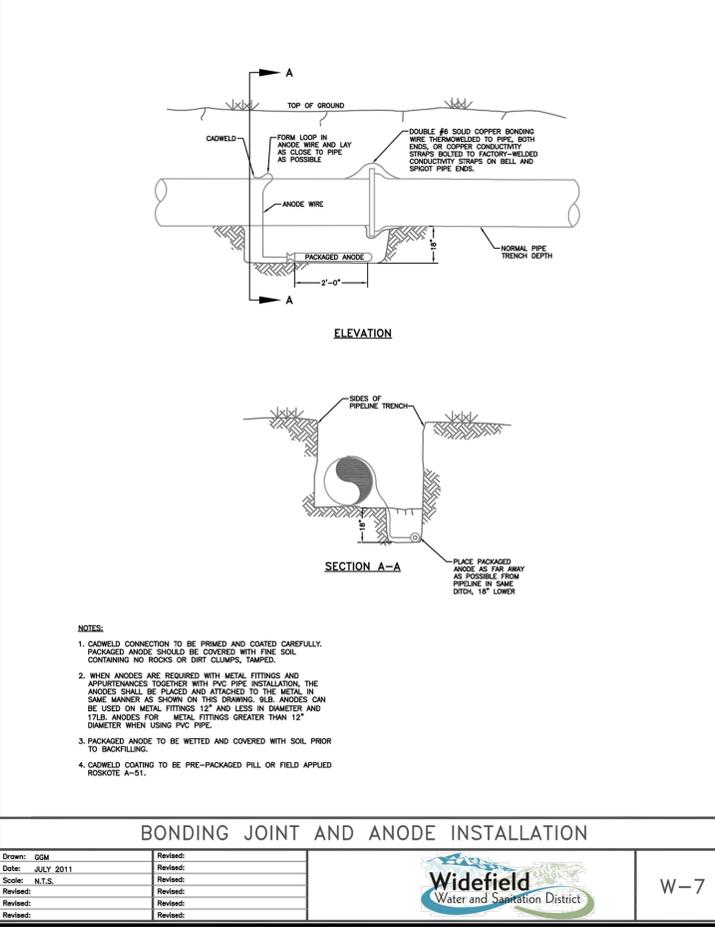
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Date: MAY 6, 2020	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



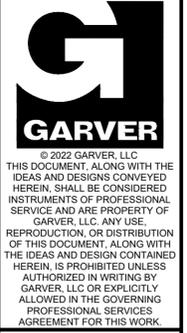
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Date: MAY 6, 2020	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



Drawn: GGM	Revised:		W-5
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



Drawn: GGM	Revised:		W-7
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		

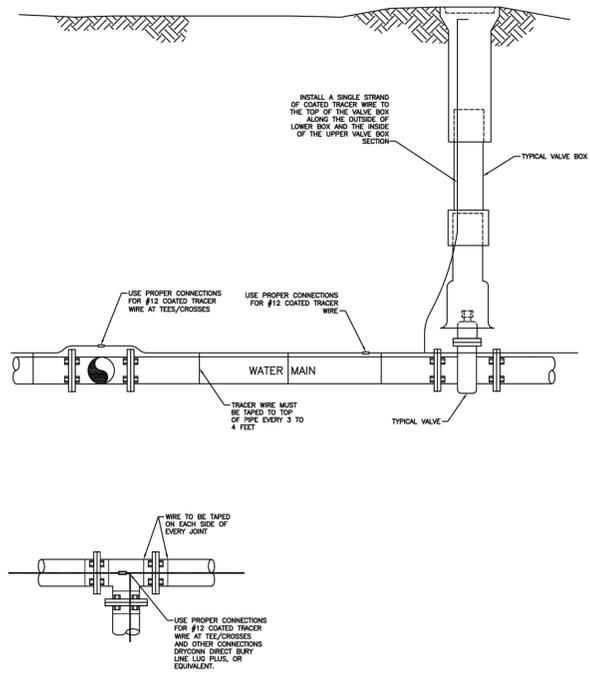


REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

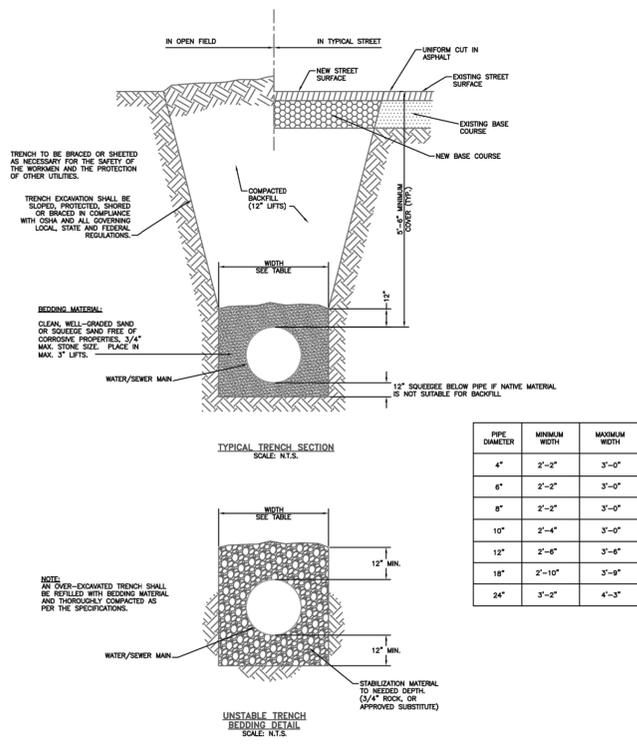
STANDARD DETAILS 1
JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
DRAWING NUMBER
99-C500
SHEET NUMBER
40

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Last plotted by: Martinez, Ervin S. Plot Size: AE Cmono.ctb Plot Date: 10/4/2022 1:38 PM Plotter used: None



TRACER WIRE INSTALLATION DETAILS

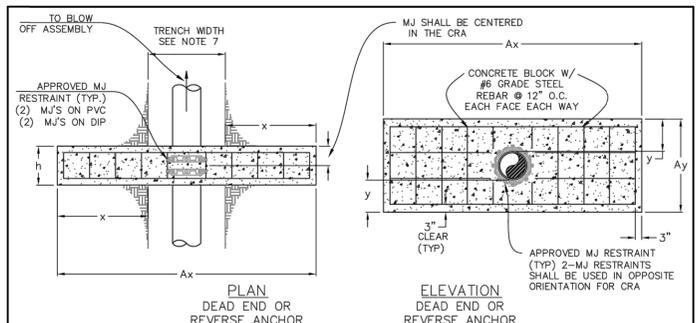
Drawn: GDM	Revised:		W-9
Date: SEPT 2014	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



TYPICAL TRENCH CROSS SECTION

Drawn: GDM	Revised:		W-12
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		

PIPE DIAMETER	MINIMUM WIDTH	MAXIMUM WIDTH
4"	2'-2"	3'-0"
6"	2'-2"	3'-0"
8"	2'-2"	3'-0"
10"	2'-4"	3'-0"
12"	2'-6"	3'-0"
18"	2'-10"	3'-9"
24"	3'-2"	4'-3"



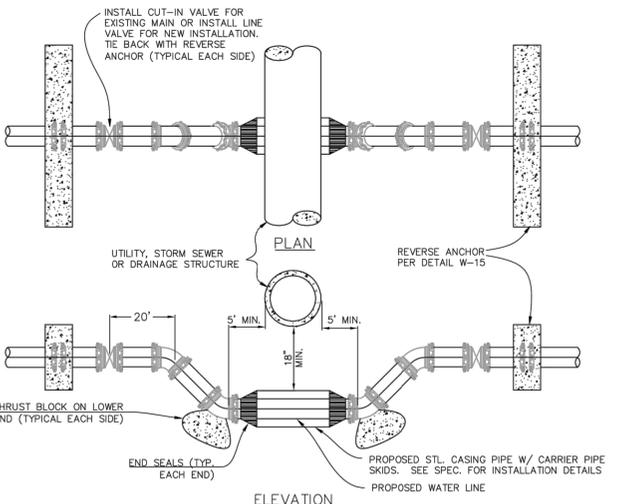
CONCRETE REVERSE ANCHOR

DIAMETER (in)	PRESSURE (psi)	x (in)	Ax (in)	y (in)	Ay (in)	Ab (in)	h (in)	Vol (cy)
4	250	12	72	12	28.80	6.80	18	1.0
6	250	18	84	12	30.90	9.73	18	1.0
8	250	36	120	12	33.05	18.53	18	1.5
12	170	36	120	15	43.20	24.60	18	2.0
12	250	48	144	18	49.20	36.80	24	3.75
16	170	54	156	18	53.40	44.05	24	4.25
16	250	60	168	24	68.40	60.50	36	8.5
24	200	30	108	6	72	30	30	4.75

- NOTES:
- THE MINIMUM BEARING SURFACE AREAS SHOWN ARE BASED ON A MAX STATIC PIPE PRESSURE OF 170/250 POUNDS PER SQUARE INCH PLUS A SAFETY FACTOR OF 1.5, AND AN ALLOWABLE SOIL BEARING CAPACITY OF 1500 POUNDS PER SQUARE FOOT. FOR HDPE ADDITIONAL ASSUMPTIONS INCLUDE A MAX 50-F TEMPERATURE CHANGE AND A POISSON RATION OF 0.45. REFERENCE AWWA M-23, M-41 AND M-55.
 - THE DESIGN ENGINEER IS RESPONSIBLE FOR VERIFYING ASSUMPTION BASED ON ACTUAL SITE CONDITIONS. IF SITE VARY FROM THE ASSUMPTIONS, THE DESIGN ENGINEER SHALL PROVIDE A SITE SPECIFIC DESIGN THAT SHALL BE IN ACCORDANCE WITH AWWA M-23, PVC PIPE-DESIGN AND INSTALLATION AND AWWA M-41, DUCTILE-IRON PIPE AND FITTINGS. SITE SPECIFIC DESIGNS USING GEOTECHNICAL INFORMATION SHALL BE SUBMITTED TO WIDEFIELD WATER AND SANITATION DISTRICT FOR APPROVAL.
 - THE MINIMUM LATERAL BEARING SURFACE AREA (Ab) AND APPROXIMATE VOLUME OF CONCRETE (Vol) SHALL BE SHOWN ON THE CONSTRUCTION PLANS FOR ALL CONCRETE REVERSE ANCHORS.
 - THE APPROXIMATE VOLUMES SHOWN ARE BASED ON THE MINIMUM DIMENSIONS IN THE TABLE. THE APPROXIMATE VOLUME IS ROUNDED UP TO THE NEAREST 0.25 CUBIC YARD.
 - A SITE SPECIFIC DESIGN SHALL BE REQUIRED FOR PIPES LARGER THAN 16 INCHES OR MAX STATIC PIPE PRESSURE GREATER THAN 250 POUNDS PER SQUARE INCH. THE DESIGN ENGINEER HAS THE OPTION OF PROVIDING A SITE SPECIFIC DESIGN FOR PIPES SMALLER THAN 16 INCHES OR MAX STATIC PRESSURES LESS THAN THE PRESSURE LISTED IN THE TABLE.
 - FOR CORROSION PROTECTION OF THE RODS, SEE DETAIL DRAWING W-7.
 - A TRENCH WIDTH OF 4 FEET AND 6 INCH BEDDING UNDER THE PIPE ARE ASSUMED FOR BEARING CALCULATIONS (Ax, Ay, x AND y).
 - THE DESIGN ENGINEER SHALL ENSURE THE CONSTRUCTION OF THE CONCRETE REVERSE ANCHOR SHALL NOT CONFLICT WITH OTHER UTILITIES.
 - DUCTILE IRON FITTINGS AND PIPE SHALL BE WRAPPED IN POLYETHYLENE TUBING WHERE ADJACENT TO CONCRETE.

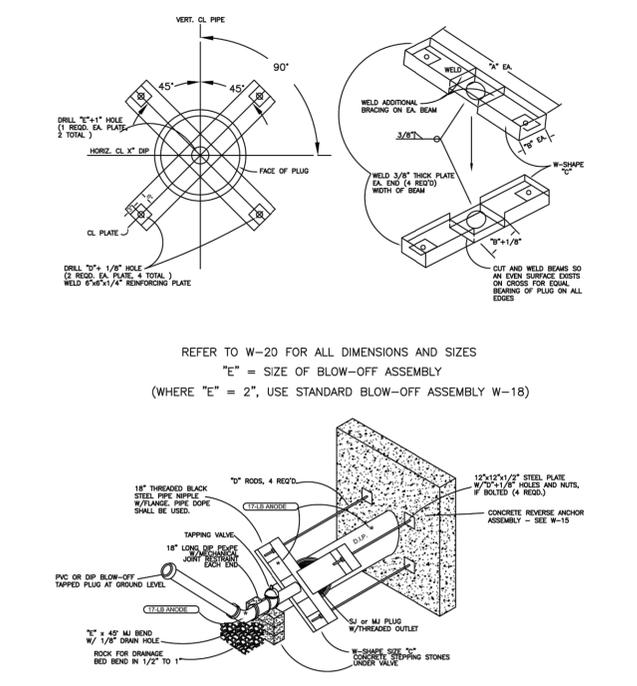
CONCRETE REVERSE ANCHOR

Drawn: RKB	Revised:		W-15
Date: JUNE 4, 2020	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



WATER LINE LOWERING DETAIL

Drawn: RKB	Revised:		W-16
Date: JUNE 4, 2020	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



TEMP. & PERMANENT BLOW-OFF ASSEMBLIES FOR 12" +

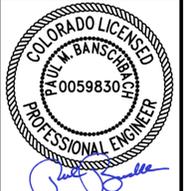
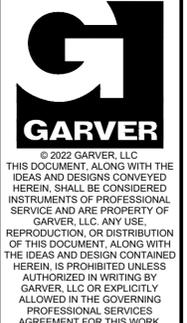
Drawn: GDM	Revised:		W-19
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		

MAIN PIPE DIA. (IN)	STATIC PRESSURE RANGE (P.S.I.)	DIMENSIONS FROM DRAWING NUMBER A 2-5				
		"A" (IN)	"B" (IN)	"C" (W-SHAPE) (IN)	ROD SIZE (IN)	"E" BLOW-OFF PIPE SIZE (IN)
12	<100	36	10 1/4	W12 x 15	5/8	2
	101-150	36	10 1/4	W12 x 19	3/4	2
	151-200	36	12 1/2	W12 x 22	7/8	2
	201-250	36	10 1/8	W10 x 22	1	2
16	<100	40	12 1/4	W12 x 26	7/8	4
	101-150	40	12 1/4	W12 x 26	1 1/8	4
	151-200	40	12 1/2	W12 x 35	1 1/4	4
	201-250	40	12 1/2	W12 x 35	1 1/4	4
18	<100	42	12 1/4	W12 x 26	1 1/4	4
	101-150	42	12 1/2	W12 x 35	1 3/8	4
	151-200	42	12 1/2	W12 x 40	1 3/8	4
	201-250	42	12 1/2	W12 x 45	1 3/8	4
20	<100	44	12 1/4	W12 x 26	1 1/4	4
	101-150	44	12 1/2	W12 x 35	1 3/8	4
	151-200	44	12 1/2	W12 x 40	1 3/8	4
	201-250	44	12 1/2	W12 x 45	1 3/8	4
24	<100	48	12 1/2	W12 x 35	1 1/2	6
	101-150	48	12 1/2	W12 x 40	1 1/2	6
	151-200	48	12 1/2	W12 x 53	1 1/2	6
	201-250	48	12 1/2	W12 x 53	1 1/2	6
30	<100	54	12 1/4	W12 x 50	1 3/4	6
	101-150	54	12 1/2	W12 x 58	1 3/4	6
	151-200	54	12 1/2	W12 x 65	1 3/4	6
	201-250	54	12 1/2	W12 x 72	1 3/4	6
36	<100	60	12 1/4	W12 x 58	1 3/4	8
	101-150	60	12 1/2	W12 x 72	1 3/4	8
	151-200	60	12 3/4	W12 x 86	1 3/4	8
	201-250	60	12 3/4	W12 x 96	1 3/4	8

- NOTES:
- ALL W-SHAPES FABRICATED FROM A36 STEEL.
 - ALL RODS SHALL BE MIN. GRADE A307 EXCEPT WHERE NOTED AS *. THESE SHALL BE MINIMUM STRENGTH EQUAL TO ASTM A325 RODS.
 - A 50K SURGE FACTOR HAS BEEN INCLUDED IN DESIGN.
 - FOR SIZES AND PRESSURES GREATER THAN THOSE SHOWN, SPECIAL DESIGN IS REQUIRED, APPROVED BY THE DISTRICT.

BLOW-OFF ASSEMBLY DIMENSION DATA FOR 12" +

Drawn: GDM	Revised:		W-20
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



10/05/2022

REV.	DATE	DESCRIPTION	BY

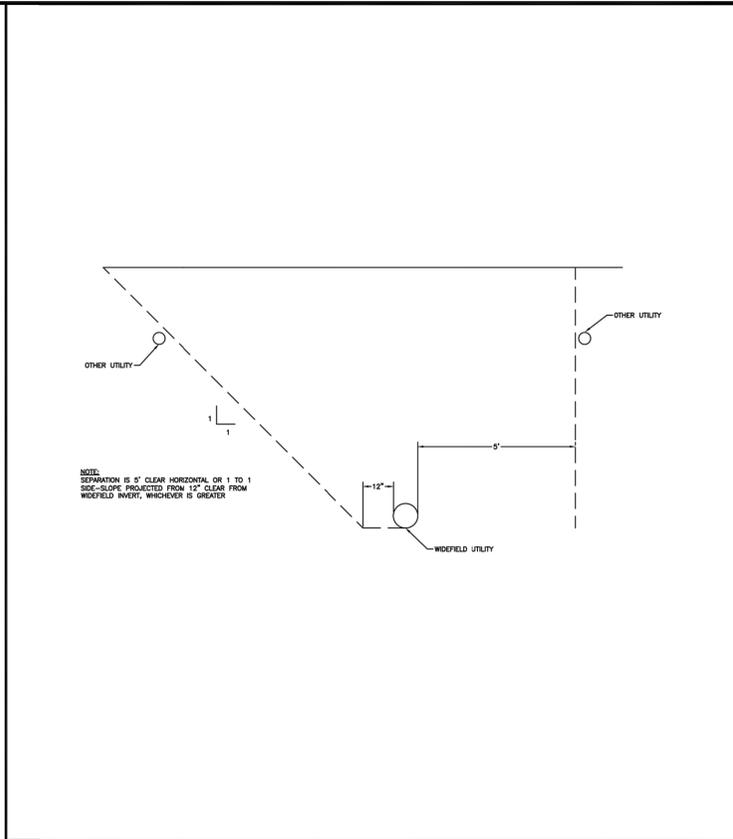
WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

STANDARD DETAILS 2

JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/JFC

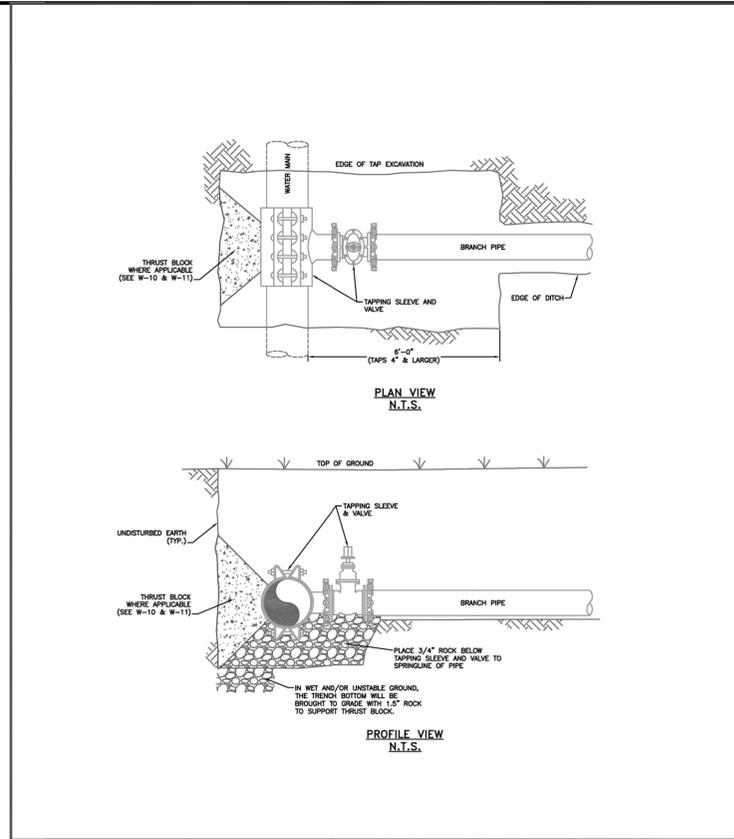
DRAWING NUMBER
99-C501
SHEET NUMBER
41

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Last plotted by: Martinez, Ervin S. Plot Size: AECmonro.ctb Plot Date: 10/4/2022 1:38 PM Plotter used: None



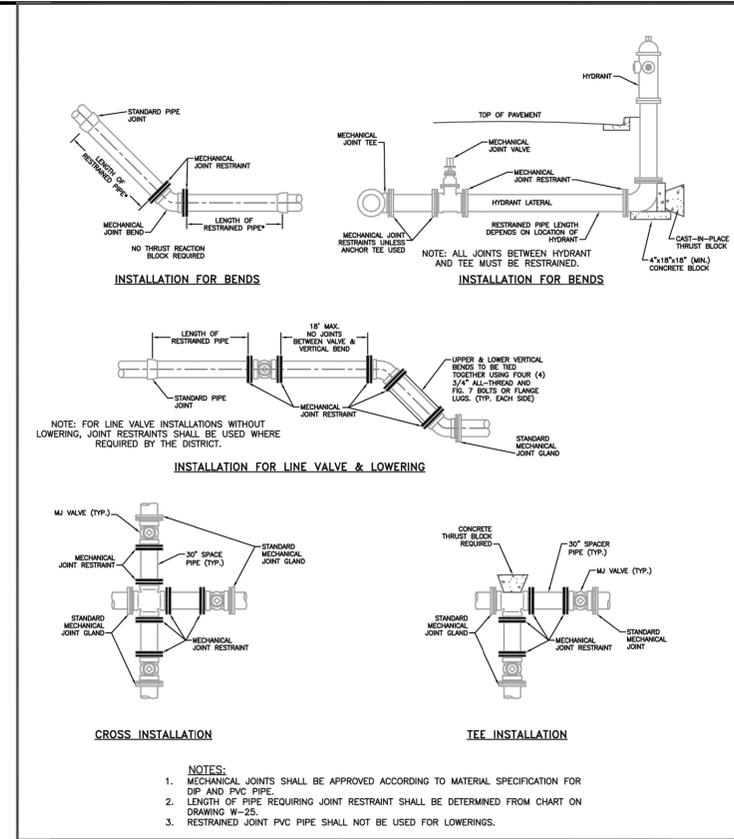
UTILITY SEPARATION FOR PARALLEL UTILITIES

Drawn: GJM	Revised:	WW-20
Date: JULY 2012	Revised:	
Scale: N.T.S.	Revised:	
Revised:	Revised:	
Revised:	Revised:	



PIPE TAPPING DETAIL

Drawn: GJM	Revised:	W-21
Date: JULY 2011	Revised:	
Scale: N.T.S.	Revised:	
Revised:	Revised:	
Revised:	Revised:	



APPLICATIONS FOR MECHANICAL JOINT RESTRAINTS

Drawn: GJM	Revised:	W-24
Date: JULY 2011	Revised:	
Scale: N.T.S.	Revised:	
Revised:	Revised:	
Revised:	Revised:	

L = MINIMUM RESTRAINED PIPE LENGTH (FEET)

PIPE DIAMETER	45° BEND		22-1/2° BEND		11-1/4° BEND		DEAD END VALVE OR PLUG, TO INCLUDE IN-LINE VALVES (SEE NOTE 9)	
	150	200	150	200	150	200	150	200
6-INCH DUCTILE IRON AND PVC	9	12	5	6	3	3	73	97
8-INCH DUCTILE IRON AND PVC	12	16	6	8	3	4	84	125
12-INCH DUCTILE IRON AND PVC	17	23	8	11	4	6	133	177
16-INCH DUCTILE IRON AND PVC	22	29	11	14	5	7		
24-INCH DUCTILE IRON AND PVC	30	40	15	20	7	10		
30-INCH DUCTILE IRON AND PVC	36	48	18	24	8	12		
36-INCH DUCTILE IRON AND PVC	42	56	20	27	10	14		

L = MINIMUM RESTRAINED PIPE LENGTH FOR 4-FT DEPTH OF COVER

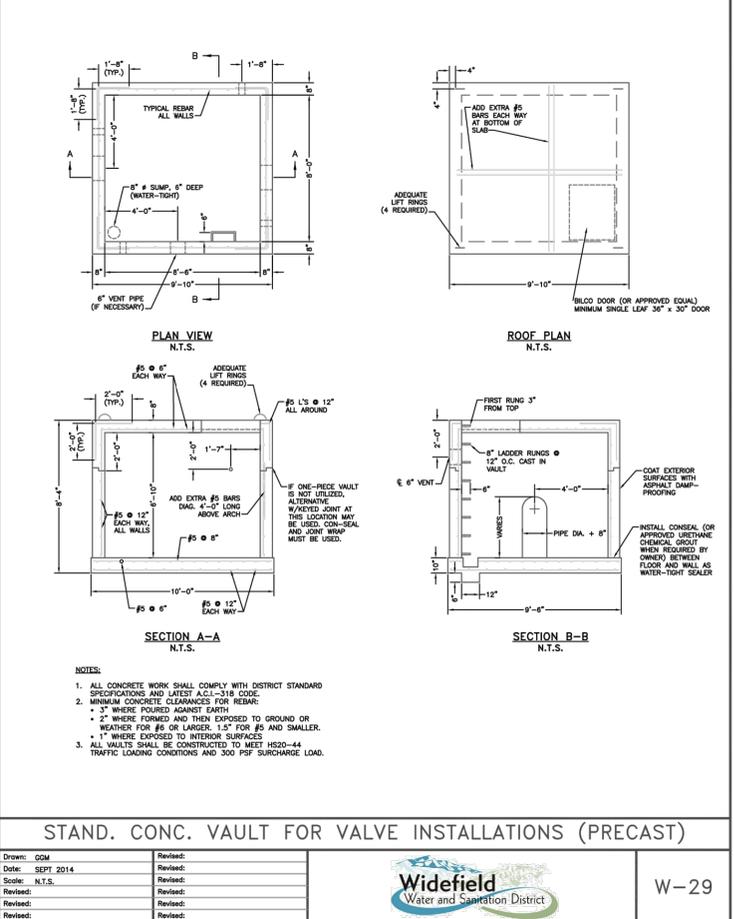
PIPE DIAMETER	90°		45°		22-1/2°		11-1/4° BEND		DEAD END VALVE OR PLUG, TO INCLUDE IN-LINE VALVES (SEE NOTE 9)	
	150	200	150	200	150	200	150	200	150	200
24-inch PVC	73	97	30	40	15	20	8	10		
24-inch Poly Wrapped PVC	86	134	36	48	17	23	9	12		

NOTES:

- PRESSURE GREATER THAN 200 PSI REQUIRE SPECIAL DESIGN APPROVED BY THE DISTRICT.
- LENGTH IS BASED ON MINIMUM 5 FEET OF GROUND COVER AND SOIL COMPACTED ACCORDING TO SECTION 3 OF THESE DESIGN STANDARDS. IF THE DEPTH IS LESS THAN 5 FEET, RESTRAINED LENGTH MUST BE DESIGNED BY THE DESIGN ENGINEER.
- APPROVED METHODS OF RESTRAINED PIPE BEYOND INITIAL FITTING SHALL BE IN ACCORDANCE WITH SECTION 4. RESTRAINED PIPE LENGTH APPLIES TO CONDITIONS WHERE NO CONCRETE THRUST REACTION BLOCK IS PRESENT. CALCULATIONS ARE BASED ON A POORLY GRADED SANDS, GRAVEL AND GRAVEL-SAND MIXTURE, LITTLE TO NO FINES, TYPE 4. BEDDING CONDITIONS: PIPE BEDDED IN SAND, GRAVEL OR CRUSHED STONE TO A DEPTH OF 1/4 PIPE DIAMETER (4" MIN) AND A FACTOR OF SAFETY 2:1.
- FIGURES ARE BASED ON DIP WRAPPED IN POLYETHYLENE MATERIAL.
- MEASUREMENTS ARE IN FEET.
- USE CRA FOR DOWN TURNING BENDS.
- RESTRAINED LENGTH FOR DEAD END MAY BE USED AT THE DISCRETION OF THE DISTRICT.

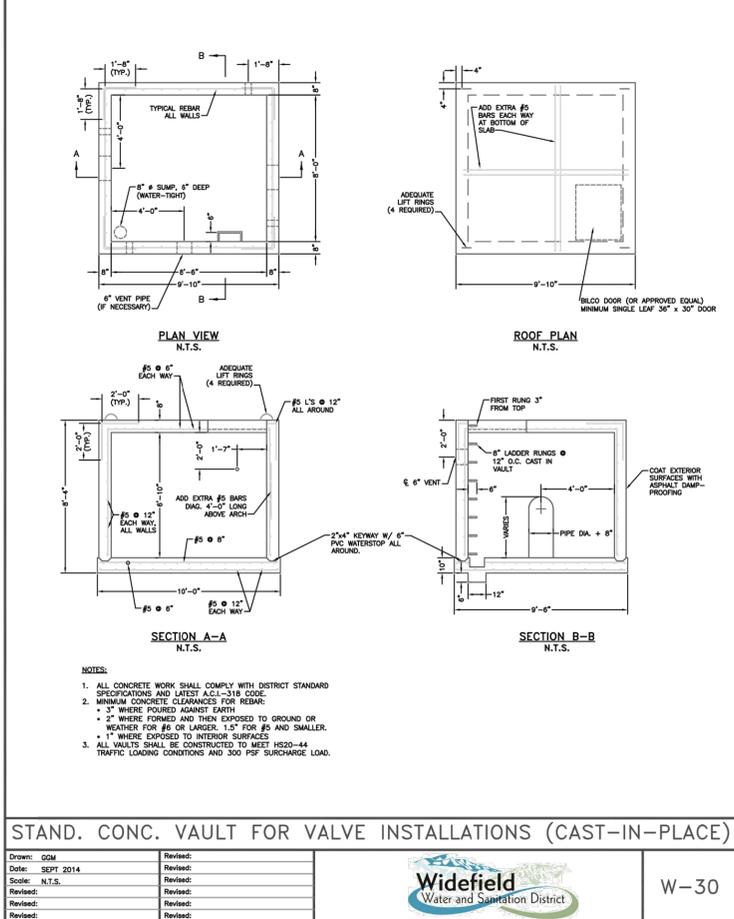
RESTRAINED PIPE LENGTH (FT) W/ MECHANICAL JOINT RESTRAINTS

Drawn: RKB	Revised:	W-25
Date: MAY 6, 2020	Revised:	
Scale: N.T.S.	Revised:	
Revised:	Revised:	
Revised:	Revised:	



STAND. CONC. VAULT FOR VALVE INSTALLATIONS (PRECAST)

Drawn: GJM	Revised:	W-29
Date: SEPT 2014	Revised:	
Scale: N.T.S.	Revised:	
Revised:	Revised:	
Revised:	Revised:	



STAND. CONC. VAULT FOR VALVE INSTALLATIONS (CAST-IN-PLACE)

Drawn: GJM	Revised:	W-30
Date: SEPT 2014	Revised:	
Scale: N.T.S.	Revised:	
Revised:	Revised:	
Revised:	Revised:	



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10/05/2022

BY	DESCRIPTION	DATE	REV.

WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

STANDARD DETAILS 3

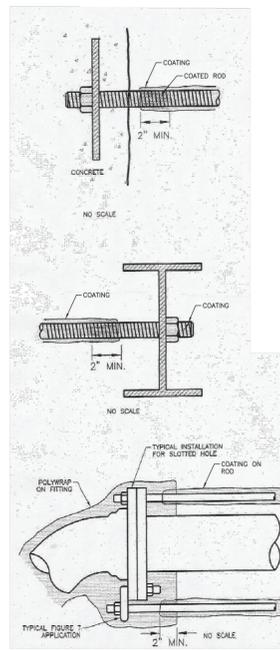
JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
99-C502

SHEET NUMBER
42

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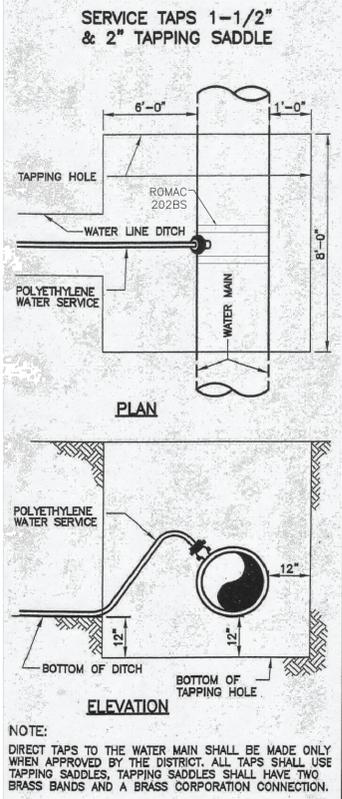
METAL IN CONCRETE:
 1. COAT METAL PARTS WHERE IN CONTACT WITH CONCRETE, EXTENDING COATING SEVERAL INCHES BEYOND THE CONCRETE.
 2. COAT THE ROD, OVERLAPPING A MINIMUM OF 2".
 3. COAT EXPOSED ROD WITH BITUMINOUS COATING (MINIMUM 12 MILS).

ROD THROUGH I-BEAM:
 1. COAT ENTIRE I-BEAM.
 2. COAT NUT AND ROD, EXTENDING COATING SEVERAL INCHES BEYOND THE BEAM.
 3. COAT THE ROD, OVERLAPPING THE COATING A MINIMUM OF 2".

RODS IN M.I. FITTING:
 1. COAT THE ROD AND SECURE WITH TAPE.

PROTECTING TIE-RODS

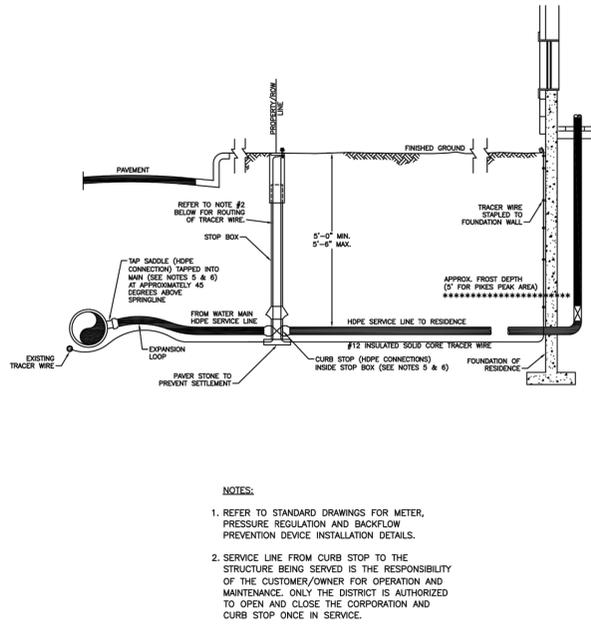
Drawn: GGM	Revised:		W-31
Date: SEPT 2014	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



NOTES:
 1. USE ROMAC 202BS TAP SADDLE OR EQUIVALENT.
 2. ALL TAPS WILL BE MADE ABOVE CENTERLINE OF PIPE AND UPWARD AT A 45° ANGLE.
 3. TAPS 1 1/2" OR LARGER MAY HAVE LOCATION AND ANGLE ADJUSTED AT THE DISCRETION OF THE INSPECTOR.

TAPPING DETAIL - 3/4" THROUGH 2"

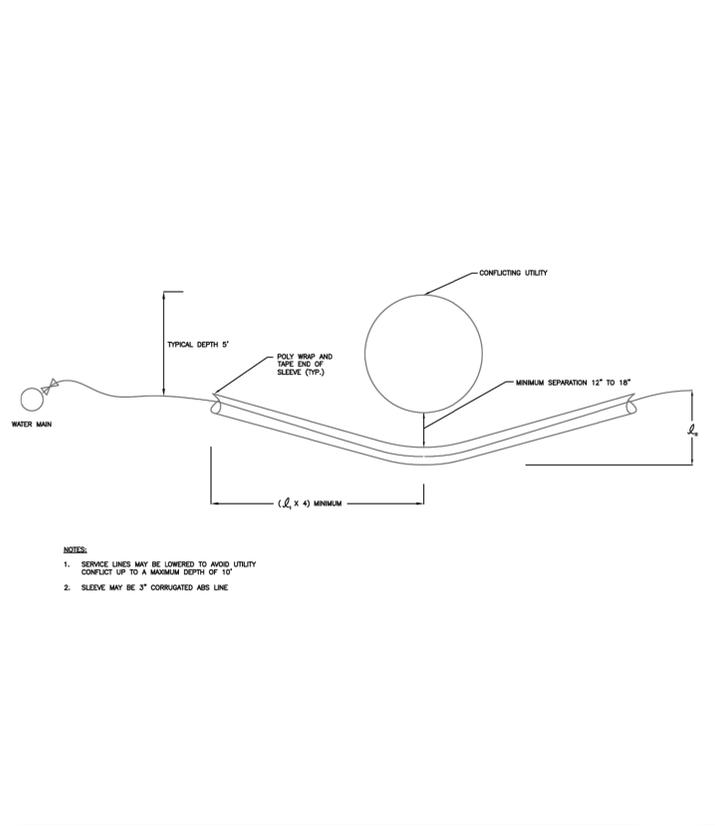
Drawn: GGM	Revised:		W-32
Date: SEPT 2014	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



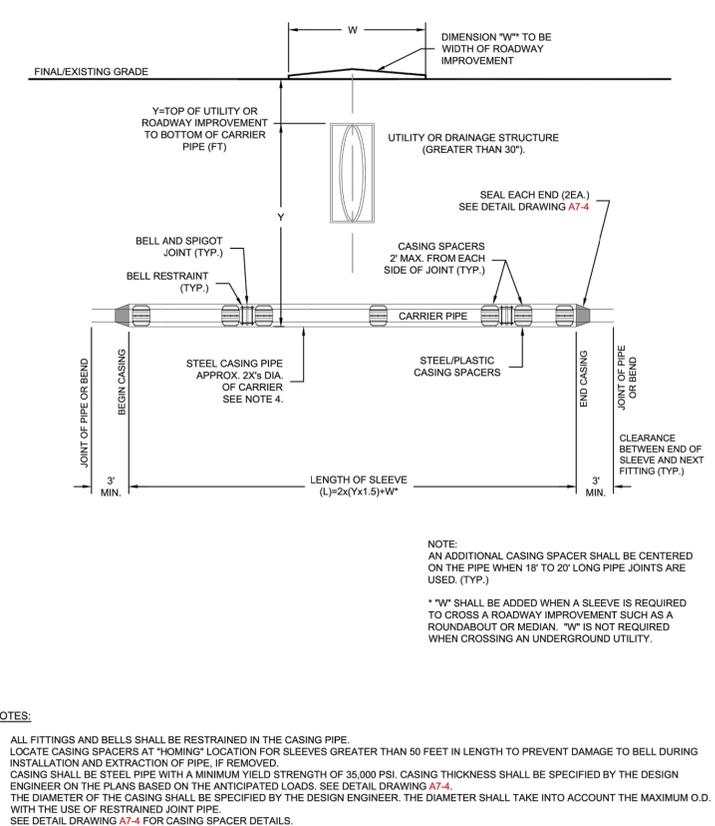
NOTES:
 1. REFER TO STANDARD DRAWINGS FOR METER, PRESSURE REGULATION AND BACKFLOW PREVENTION DEVICE INSTALLATION DETAILS.
 2. SERVICE LINE FROM CURB STOP TO THE STRUCTURE BEING SERVED IS THE RESPONSIBILITY OF THE CUSTOMER/OWNER FOR OPERATION AND MAINTENANCE. ONLY THE DISTRICT IS AUTHORIZED TO OPEN AND CLOSE THE CORPORATION AND CURB STOP ONCE IN SERVICE.

TYP. INSTALLATION FOR SERVICE LINE AND STOP BOX

Drawn: GGM	Revised:		W-33
Date: SEPT 2014	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



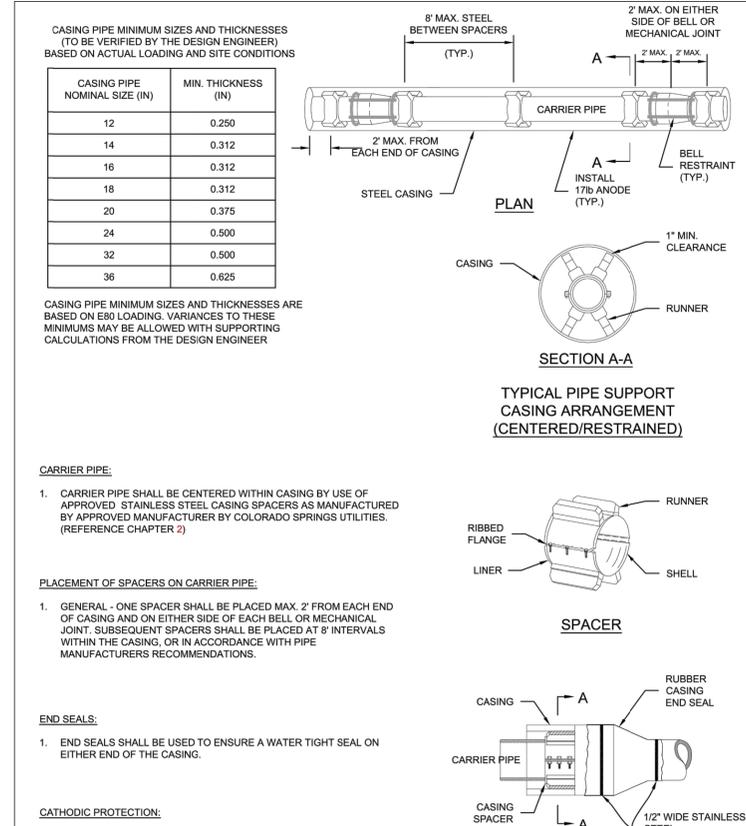
NOTES:
 1. SERVICE LINES MAY BE LOWERED TO AVOID UTILITY CONFLICT UP TO A MAXIMUM DEPTH OF 10'.
 2. SLEEVE MAY BE 3" CORRUGATED ABS LINE.



NOTES:
 1. ALL FITTINGS AND BELLS SHALL BE RESTRAINED IN THE CASING PIPE.
 2. LOCATE CASING SPACERS AT "HOMING" LOCATION FOR SLEEVES GREATER THAN 50 FEET IN LENGTH TO PREVENT DAMAGE TO BELL DURING INSTALLATION AND EXTRACTION OF PIPE. IF REMOVED.
 3. CASING SHALL BE STEEL PIPE WITH A MINIMUM YIELD STRENGTH OF 35,000 PSI. CASING THICKNESS SHALL BE SPECIFIED BY THE DESIGN ENGINEER ON THE PLANS BASED ON THE ANTICIPATED LOADS. SEE DETAIL DRAWING A7-4.
 4. THE DIAMETER OF THE CASING SHALL BE SPECIFIED BY THE DESIGN ENGINEER. THE DIAMETER SHALL TAKE INTO ACCOUNT THE MAXIMUM O.D. WITH THE USE OF RESTRAINED JOINT PIPE.
 5. SEE DETAIL DRAWING A7-4 FOR CASING SPACER DETAILS.
 6. LOCATE SPACERS ON BOTH SIDES OF JOINTS TO ELIMINATE DEFLECTION OF THE JOINT IN THE SLEEVE.
 7. WHERE WATER MAIN CROSSES UNDER STORM SEWER, WASTEWATER OR NON-POTABLE WATER INFRASTRUCTURE, REFERENCE SECTION 2.6-H.2.
 8. WHEN CROSSING A ROADWAY IMPROVEMENT, THE WIDTH OF THE IMPROVEMENT SHALL BE ADDED TO THE LENGTH OF THE SLEEVE.
 *"W" SHALL BE ADDED WHEN A SLEEVE IS REQUIRED TO CROSS A ROADWAY IMPROVEMENT SUCH AS A ROUNDABOUT OR MEDIAN. "W" IS NOT REQUIRED WHEN CROSSING AN UNDERGROUND UTILITY.

SERVICE LINE LOWERING

Drawn: GGM	Revised:		W-41
Date: JANUARY 2014	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



CASING PIPE NOMINAL SIZE (IN)	MIN. THICKNESS (IN)
12	0.250
14	0.312
16	0.312
18	0.312
20	0.375
24	0.500
32	0.500
36	0.625

CASING PIPE MINIMUM SIZES AND THICKNESSES ARE BASED ON E80 LOADING. VARIANCES TO THESE MINIMUMS MAY BE ALLOWED WITH SUPPORTING CALCULATIONS FROM THE DESIGN ENGINEER.

CARRIER PIPE:
 1. CARRIER PIPE SHALL BE CENTERED WITHIN CASING BY USE OF APPROVED STAINLESS STEEL CASING SPACERS AS MANUFACTURED BY APPROVED MANUFACTURER BY COLORADO SPRINGS UTILITIES. (REFERENCE CHAPTER 2)

PLACEMENT OF SPACERS ON CARRIER PIPE:
 1. GENERAL - ONE SPACER SHALL BE PLACED MAX. 2' FROM EACH END OF CASING AND ON EITHER SIDE OF EACH BELL OR MECHANICAL JOINT. SUBSEQUENT SPACERS SHALL BE PLACED AT 8' INTERVALS WITHIN THE CASING, OR IN ACCORDANCE WITH PIPE MANUFACTURERS RECOMMENDATIONS.

END SEALS:
 1. END SEALS SHALL BE USED TO ENSURE A WATER TIGHT SEAL ON EITHER END OF THE CASING.

CATHODIC PROTECTION:
 1. CASING SHALL BE CATHODICALLY PROTECTED PER SECTION 2.6.I.

TYPICAL STEEL CASING INSTALLATION

Drawn: GGM	Revised:		A7-4
Date: SEPT 2014	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



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10/05/2022

REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

STANDARD DETAILS 4

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
99-C503
SHEET NUMBER
43

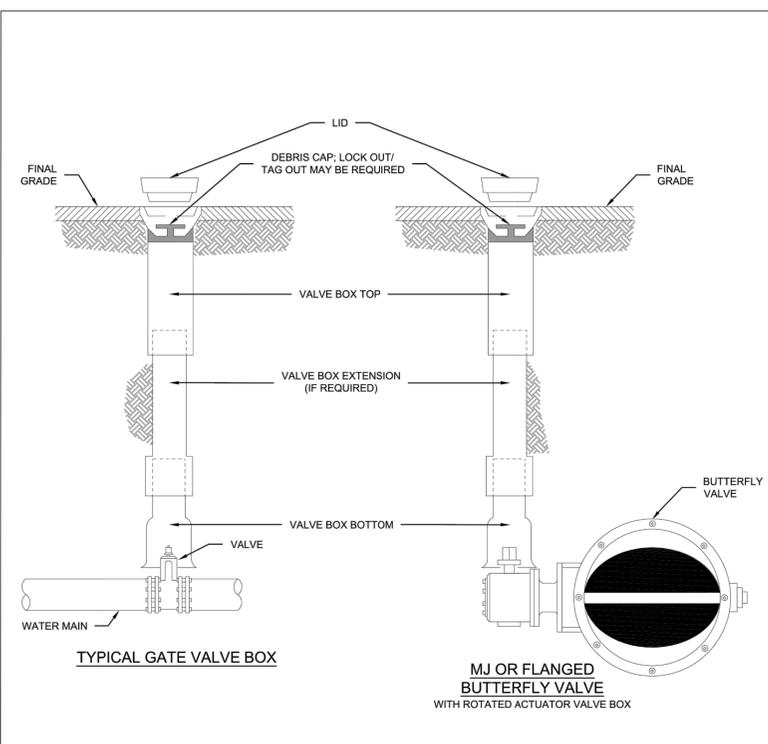
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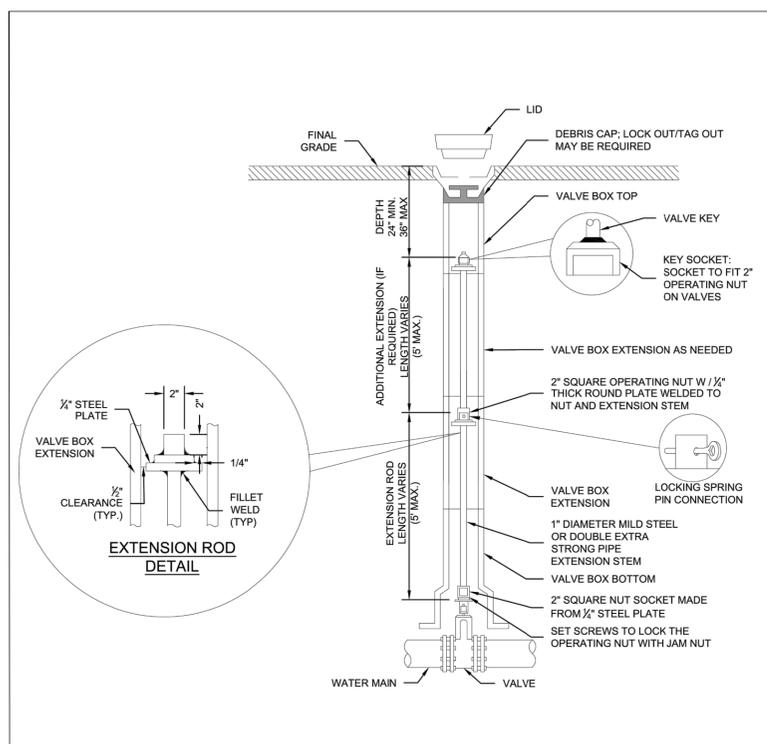


10/05/2022



- NOTES:**
1. MAIN AND FIRE HYDRANT VALVES AND VALVE BOXES SHALL NOT BE IN THE CURB PAN, CURB OR SIDEWALK.
 2. VALVE BOXES SHALL BE SLIP TYPE PER CHAPTER 4.
 3. DEBRIS CAPS SHALL BE INSTALLED AS CLOSE UNDER THE CAST IRON COVER WITHOUT INTERFERING WITH COVER OPERATIONS.
 4. DEBRIS CAPS WITH FLEXIBLE SKIRTS SHALL BE TRIMMED TO PROVIDE A SMOOTH CONTACT WITH THE INTERIOR OF THE VALVE BOX.
 5. FOR SERVICE LINES 4" AND GREATER, TRACER WIRE WILL BE BROUGHT UP IN THE SECONDARY VALVE BOX.

Colorado Springs Utilities
 VALVE BOX INSTALLATION
 A9-1
 DATED 03/2014



- NOTES:**
1. THIS DRAWING DEPICTS DEEP VALVE BOX INSTALLATIONS WITH EXTENSION RODS.
 2. FOR BUTTERFLY VALVES, SUPPORT GEAR CASING WITH 4"x18"x18" (MIN) CONCRETE BLOCKS.
 3. REFER TO DETAIL DRAWING A9-1 FOR TYPICAL VALVE BOX INSTALLATION REQUIREMENTS.

Colorado Springs Utilities
 DEEP VALVE BOX INSTALLATION WITH EXTENSION RODS FOR DEPTHS OVER 10'
 A9-2
 DATED 03/2014

File: L:\2022\12\12\23110 - WWSDD UW2E CMAR\Drawings\WWSDD UW CMAR - 05 - C501.dwg, Last Save: 10/3/2022 8:43 PM, Plotter used: None, Last Plotted by: Martinez, Ervin S., Plot Style: AECmonochrome.ctb, Plot Scale: 1:2,5945, Plot Date: 10/4/2022 1:38 PM

REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

STANDARD DETAILS 5

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
99-C504
 SHEET NUMBER
44



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WIDEFIELD WATER AND SANITATION DISTRICT
 24" AIR RELEASE VALVE

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

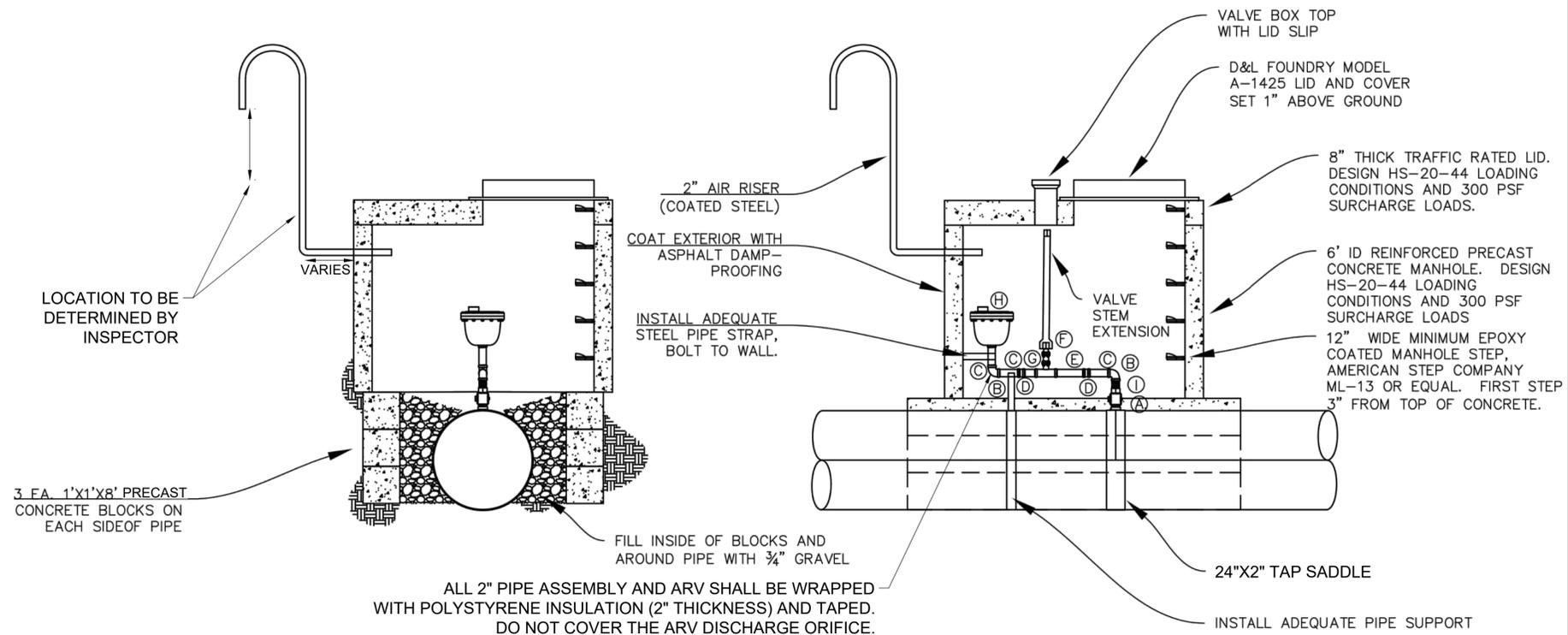
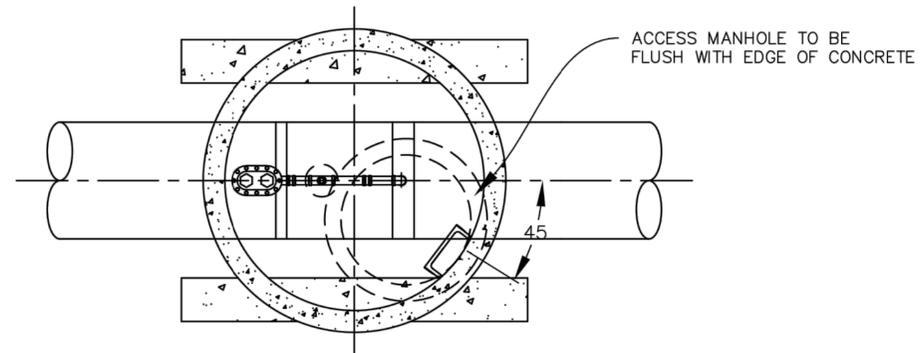
STANDARD DETAILS 6

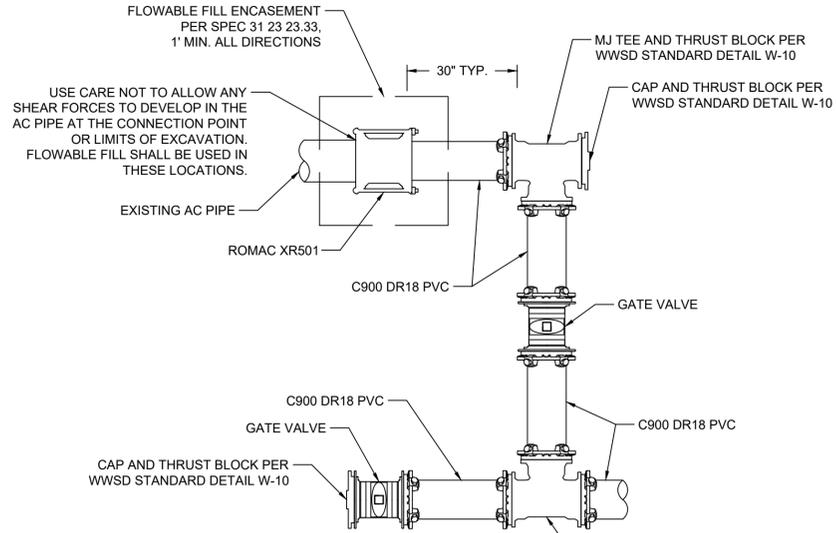
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Scale:	AS SHOWN
Date:	06/23/2020
Design:	RKB
Drawn:	RKB
Reviewed:	RKB
Revised:	

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
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 DRAWING NUMBER
99-C505
 SHEET NUMBER
45

- Ⓐ 2" CORPORATION TAPERED THREADS INLET WITH 2" FEMALE IRON PIPE OUTLET (MUELLER OR FORD)
- Ⓑ 2" 90° THREADED BRASS ELBOW
- Ⓒ 2"x6" THREADED BRASS NIPPLE
- Ⓓ 2" QUICK COUPLER
- Ⓔ 2"x10" THREADED BRASS NIPPLE
- Ⓕ 2" THREADED GATE VALVE
- Ⓖ 2"x4" THREADED BRASS NIPPLE
- Ⓗ 2" THREADED INLET VAL-MATIC AIR/VACUUM COMBINATION VALVE, MODEL 202C
- Ⓘ 2"x2" THREADED BRASS NIPPLE





- GENERAL NOTES:
1. ALL FITTINGS AND APPURTENANCES SHALL BE THE SAME SIZE AS THE MAIN CONNECTING TO OR THE ADJACENT MAIN.

1 CONNECTION TIE IN DETAIL
 99-C506 SCALE: NONE

File: L:\2021\12\21\23110 - WWSD UW2E CMAR\Drawings\WWSD UW CMAR - 05 - C501.dwg, Last Saved: 10/3/2022 8:43 PM, Last saved by: UOPerez
 Last plotted by: Martinez, Ervin S., Plot Style: AECmonochrome.ctb, Plot Scale: 1:2,5849, Plot Date: 10/4/2022 1:38 PM, Plotter used: None



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10/05/2022

REV.	DATE	DESCRIPTION	BY

Widefield
 Water and Sanitation District
 WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

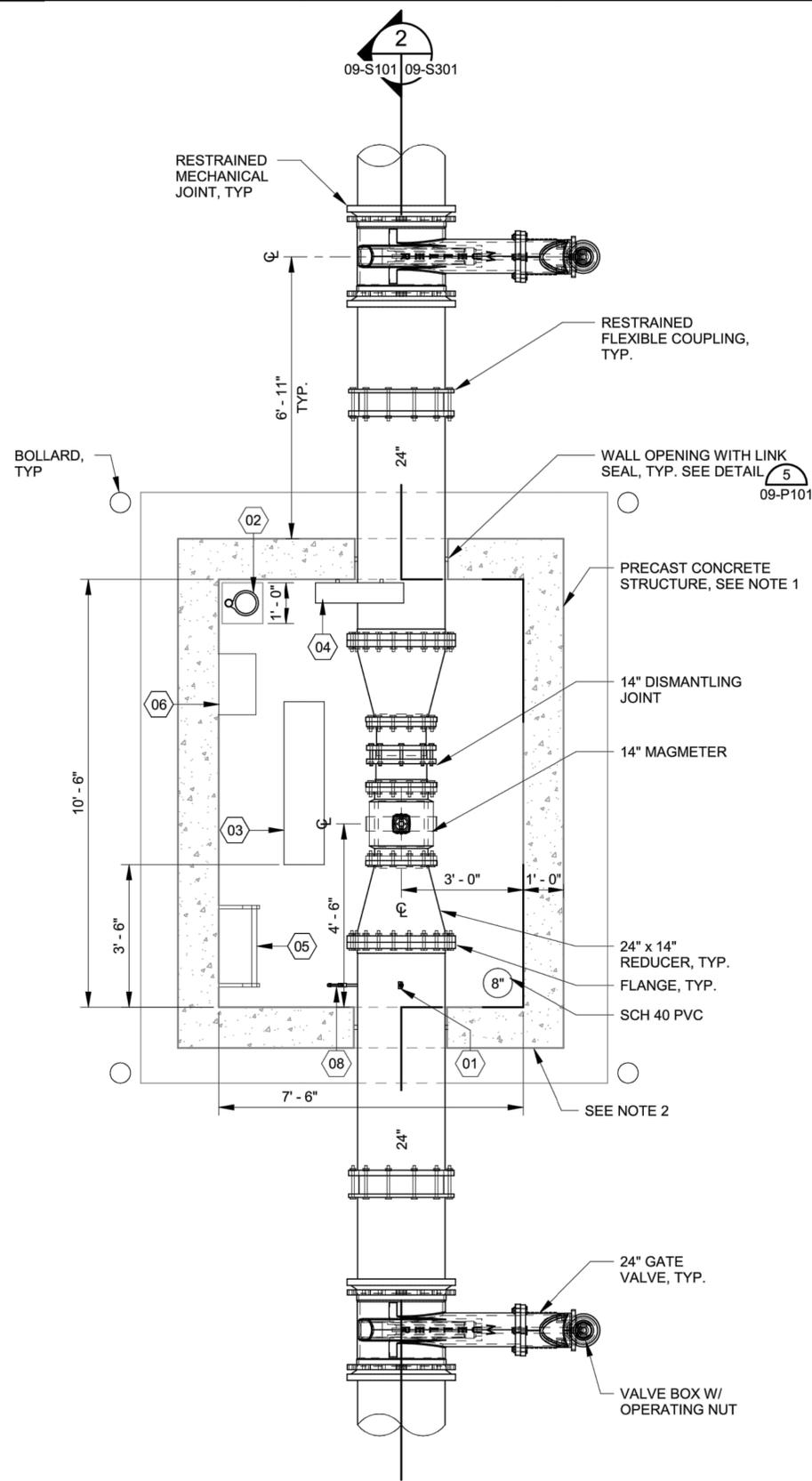
STANDARD DETAILS 7

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

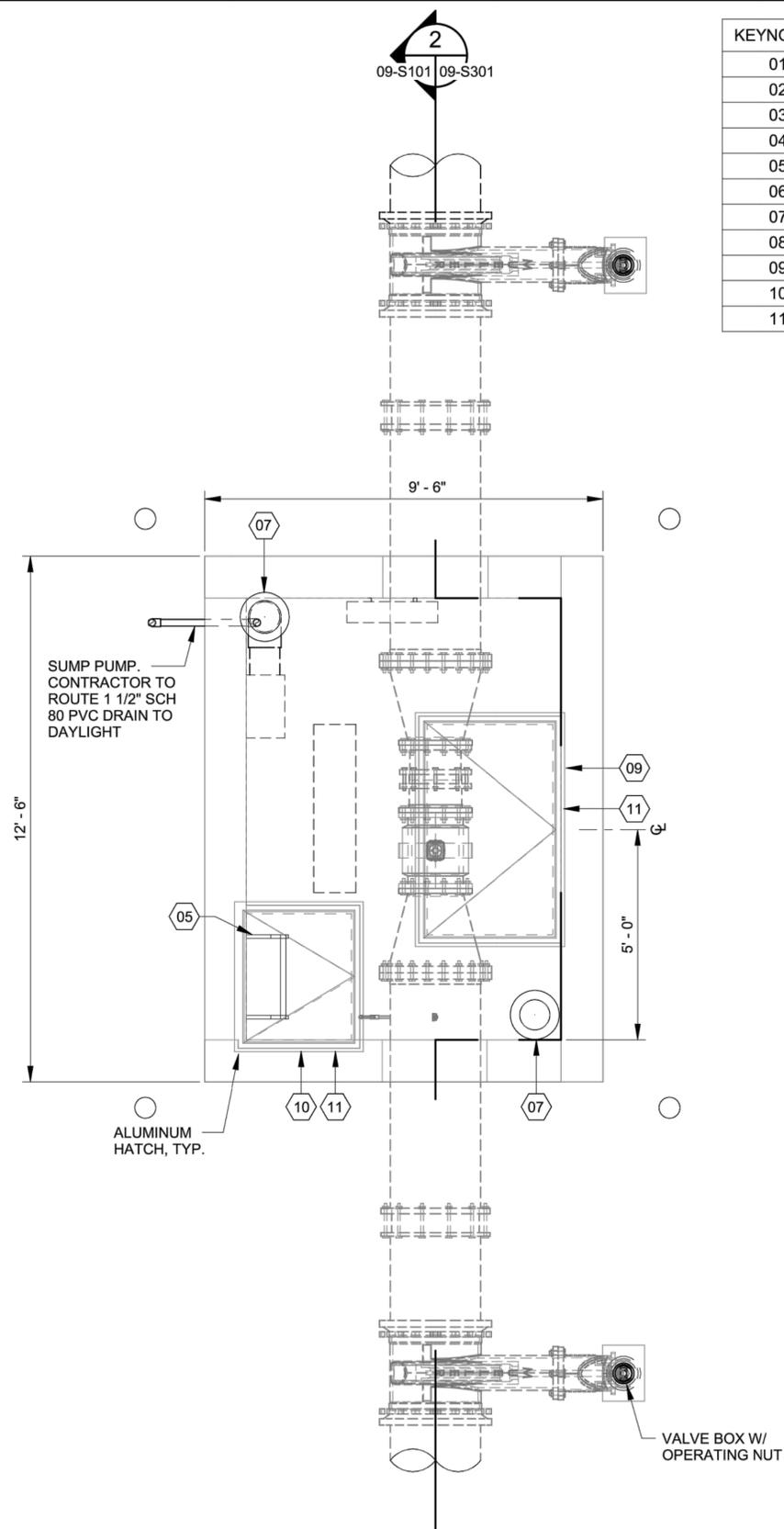
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 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
99-C506
 SHEET NUMBER **46**

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 Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmono.ctb Plot Scale: 1:2.5849 Plot Date: 10/21/2022 9:02 AM Plotter used: None



METER VAULT LOWER PLAN
 SCALE: 1/2" = 1'-0"
 PROJECT NORTH



METER VAULT UPPER PLAN
 SCALE: 1/2" = 1'-0"
 PROJECT NORTH

KEYNOTES	DESCRIPTION
01	ASHCROFT PRESSURE GAUGE, SEE DETAIL 2/09-P501.
02	SULZER ABS ROBUSTA 100TS 120V SUMP PUMP.
03	LIGHT FIXTURE.
04	SOLAIRA SCOSYXL15120B 120V WALL MOUNTED HEATER W/ SMRTTIM60 TIMER.
05	HALLIDAY SERIES L1B LADDER W/ SERIES L1E LADDER EXTENSION, SEE DETAIL 5/09-P501.
06	FANTECH FR150/5C517 6" INLINE FAN W/ WALL SWITCH.
07	8" DIAM. MUSHROOM VENT. SEE DETAIL 3/09-P501.
08	SAMPLE PORT. SEE DETAIL 1/09-P501.
09	HALLIDAY 3' X 5' CHANNEL FRAME SERIES W1R HATCH W/ SAFETY GRATING.
10	HALLIDAY 2'-6" X 3' CHANNEL FRAME SERIES W1R HATCH HATCH W/ SAFETY GRATING.
11	ACCESS HATCH OPEN SWITCH INSTALLED ON HATCHES.

NOTES:

1. PRE-CAST CONCRETE STRUCTURES SHALL HAVE MINIMUM WALL THICKNESS OF 12". PRE-CASTER SHALL DESIGN STRUCTURES AND INCLUDE CALCULATIONS SIGNED BY A PE IN COLORADO WITH SHOP DRAWINGS. DESIGN STRUCTURES FOR UPLIFT ASSUMING EMPTY STRUCTURES WITH GROUNDWATER AT GROUND SURFACE.
2. PLACE 12" OF TRENCH BACKFILL MATERIAL PER WWSD STANDARD SPECIFICATIONS UNDER THE VAULT, EXTENDING 2' BEYOND FOOTING.



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REV	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

WIDEFIELD METER VAULT PLAN

JOB NO.: 21W23110
 DATE: JUNE 10, 2022.
 DESIGNED BY: DBG
 DRAWN BY: AEG
 CHECKED BY: HWE

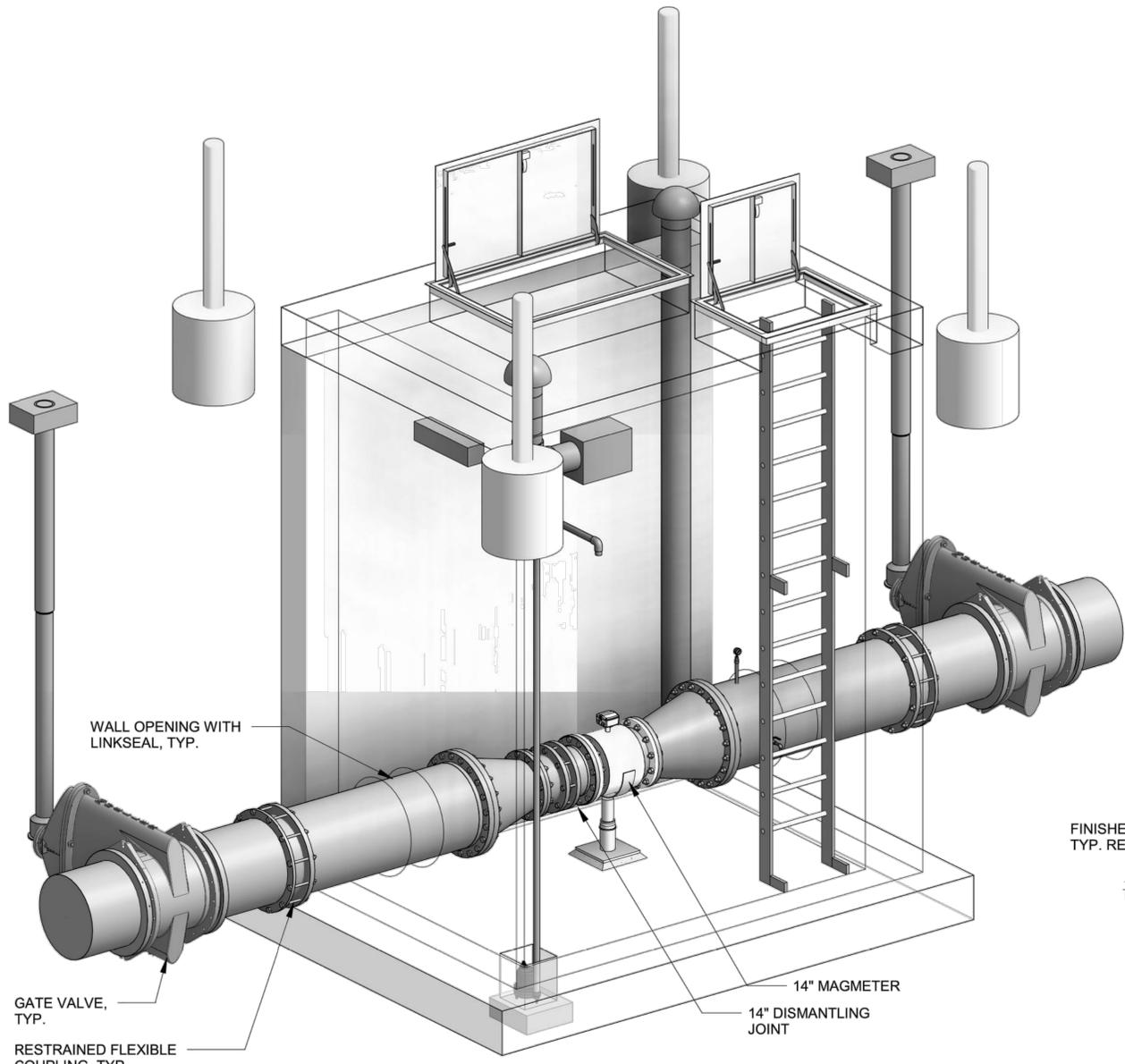
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 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
 DRAWING NUMBER
09-S101
 SHEET NUMBER
47



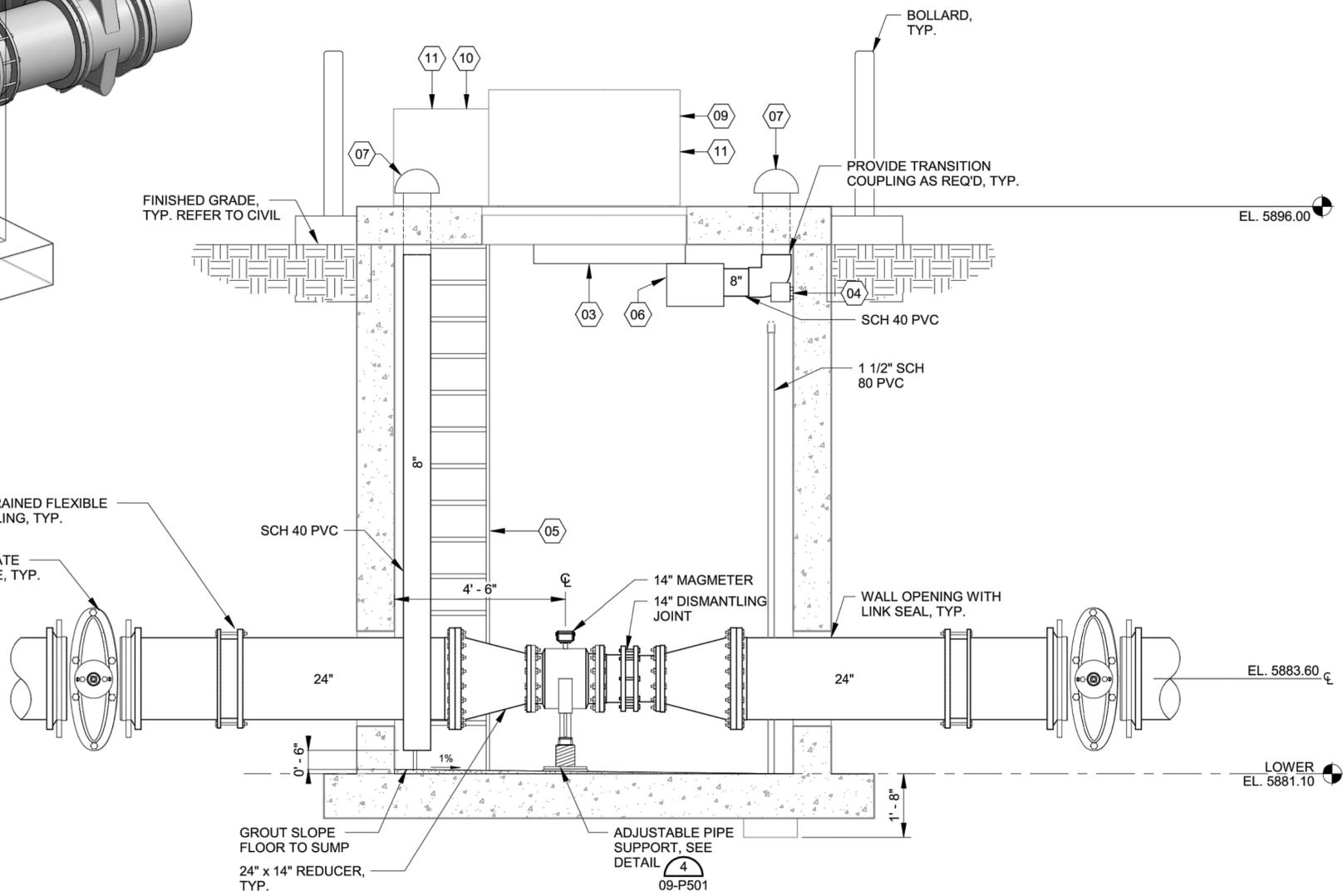
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KEYNOTES	DESCRIPTION
01	ASHCROFT PRESSURE GAUGE, SEE DETAIL 2/09-P501.
02	SULZER ABS ROBUSTA 100TS 120V SUMP PUMP.
03	LIGHT FIXTURE.
04	SOLAIRA SCOSYXL15120B 120V WALL MOUNTED HEATER W/ SMRTTIM60 TIMER.
05	HALLIDAY SERIES L1B LADDER W/ SERIES L1E LADDER EXTENSION, SEE DETAIL 5/09-P501.
06	FANTECH FR150/5C517 6" INLINE FAN W/ WALL SWITCH.
07	8" DIAM. MUSHROOM VENT. SEE DETAIL 3/09-P501.
08	SAMPLE PORT. SEE DETAIL 1/09-P501.
09	HALLIDAY 3' X 5' CHANNEL FRAME SERIES W1R HATCH W/ SAFETY GRATING.
10	HALLIDAY 2'-6" X 3' CHANNEL FRAME SERIES W1R HATCH HATCH W/ SAFETY GRATING.
11	ACCESS HATCH OPEN SWITCH INSTALLED ON HATCHES.



1 ISOMETRIC
 SCALE: NOT TO SCALE



2 SECTION AT METER VAULT
 SCALE: 1/2" = 1'-0"

File: L:\2021\21W23110 - WWSD UW2E CMAR\Drawings\WWSD UM CMAR - 09- S301.dwg Last Save: 10/17/2022 11:50 AM Last saved by: F.Chavez
 Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmono.ctb Plot Scale: 1:2.5849 Plot Date: 10/21/2022 9:02 AM Plotter used: None

REV	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 UPPER WEST TO EAST TRANSMISSION LINE

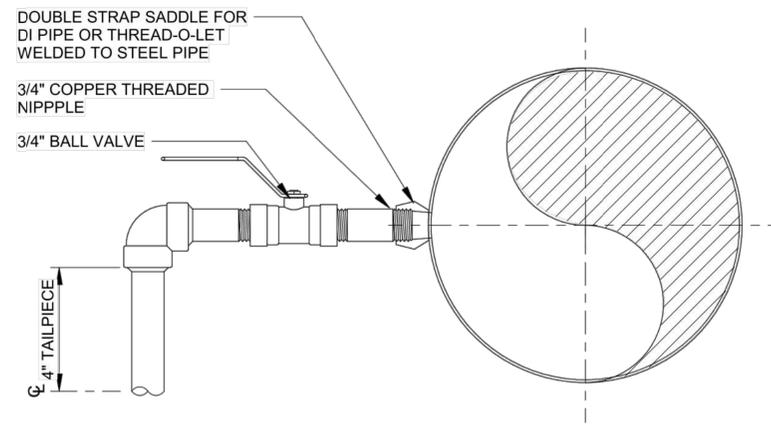
FLOW METER VAULT SECTION & ISOMETRIC

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 DATE: JUNE 10, 2022.
 DESIGNED BY: DBG
 DRAWN BY: AEG
 CHECKED BY: HWE

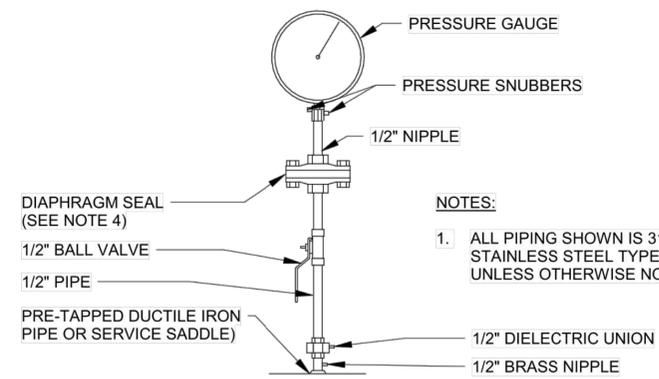
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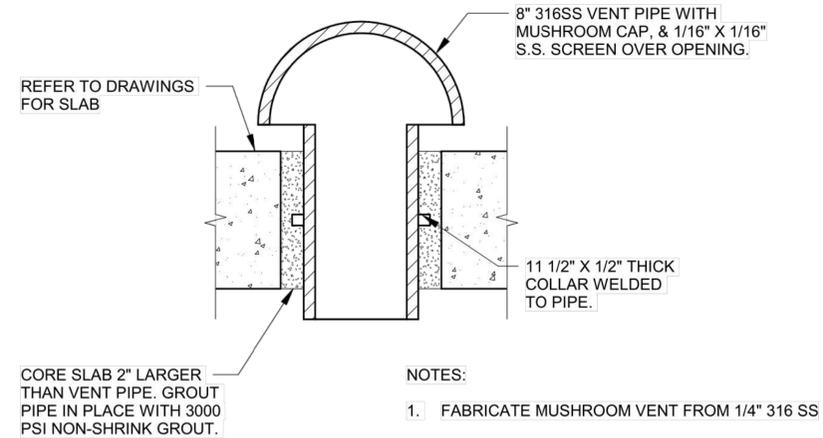
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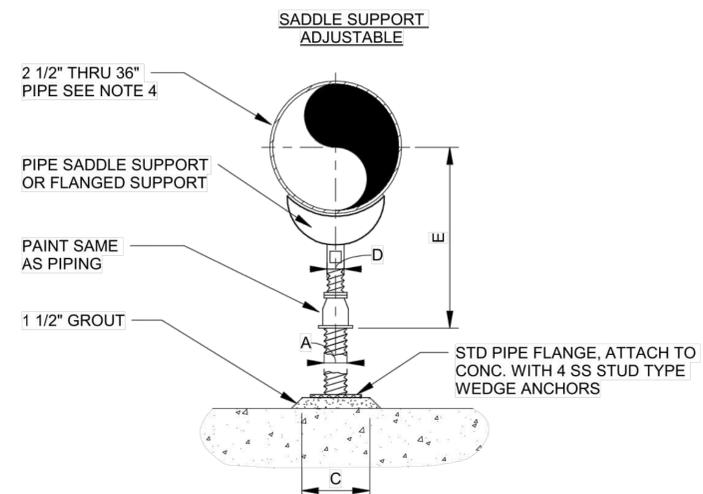
1
09-S501
SMOOTH NOSE SAMPLE TAP
SCALE: NOT TO SCALE



2
09-S501
TYPICAL PRESSURE INDICATOR INSTALLATION
SCALE: NOT TO SCALE



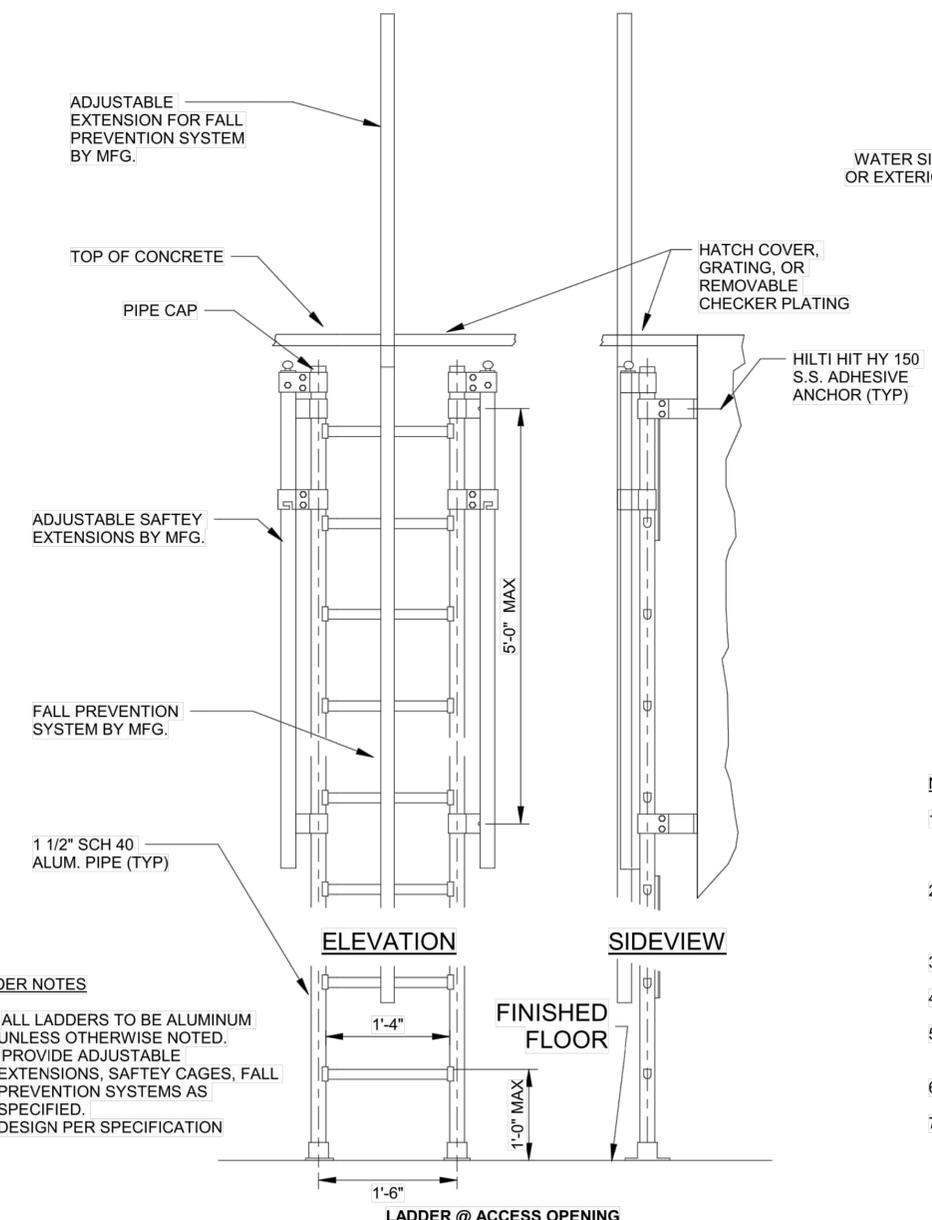
3
09-S501
MUSHROOM STYLE VENT DETAIL
SCALE: NOT TO SCALE



PIPE SIZE	A	B	C	D	E	
					MIN	MAX
14"	4"	10-15/16"	18"	3"	16-1/4"	20-3/4"
16"	4"	12-3/8"	20"	3"	17-3/4"	22-1/4"
18"	6"	13-7/8"	22"	3-1/2"	19-1/2"	24"
20"	6"	15-3/8"	22"	3-1/2"	21"	25-1/2"
24"	6"	17-15/16"	24"	4"	23-3/4"	28-1/4"
30"	6"	21-5/16"	30"	4"	27"	31-1/2"
32"	6"	22-1/2"	30"	4"	28-1/4"	32-3/4"
36"	6"	24-1/2"	30"	4"	30-1/4"	34-3/4"

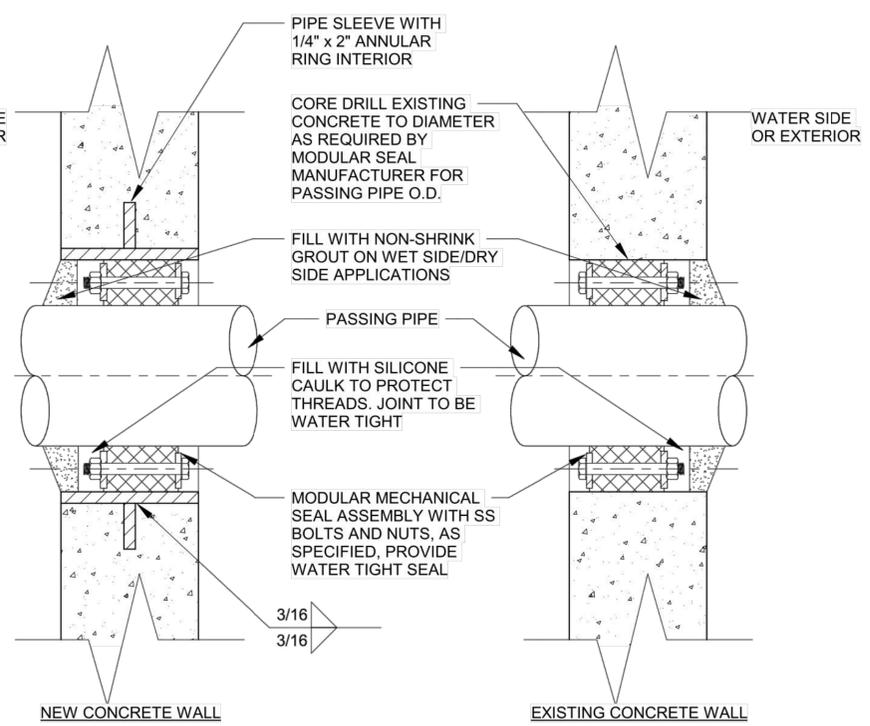
- NOTES:
1. PROVIDE HALF ROUND RIGID INSULATION AND INSULATION PROTECTION SHIELD WHERE PIPING IS INSULATED.
 2. PROVIDE NEOPRENE WAFFLE INSULATION PAD, SIMILAR TO MASON TYPE "W" OR KORFUND 40, UNDER SUPPORT FOOT WHEN PIPING IS ISOLATED OR SUPPORT IS ADJACENT TO MECHANICAL EQUIPMENT.
 3. FOR BASE, HEIGHT AND FLANGE DIMENSIONS, SEE TABLE.
 4. USE 2 1/2" SUPPORTS FOR PIPES LESS THAN 2 1/2" DIAMETER.

4
09-S501
ADJUSTABLE FLOOR MOUNTED PIPE SUPPORT
SCALE: NOT TO SCALE



- LADDER NOTES
1. ALL LADDERS TO BE ALUMINUM UNLESS OTHERWISE NOTED.
 2. PROVIDE ADJUSTABLE EXTENSIONS, SAFETY CAGES, FALL PREVENTION SYSTEMS AS SPECIFIED.
 3. DESIGN PER SPECIFICATION

5
09-S501
STANDARD LADDER DETAILS
SCALE: NOT TO SCALE



- NOTES:
1. WHERE EXISTING CONCRETE STRUCTURE IS TO BE CORE DRILLED, THE CONTRACTOR SHALL ULTRASONIC TEST OR X-RAY THE AREA FOR EMBEDDED ITEMS BEFORE CORE DRILLING CAN PROCEED. IF EMBEDDED ITEMS ARE FOUND, NOTIFY THE ENGINEER IMMEDIATELY.
 2. FOR NEW CONSTRUCTION, SLEEVES SHALL BE CAST INTO WALL. BLOCKOUTS AND SUBSEQUENT GROUTED IN SLEEVES WILL NOT BE PERMITTED UNLESS A KEYED WATERSTOP JOINT IS PROVIDED.
 3. 6" DIAMETER SLEEVES AND SMALLER SHALL BE SCHEDULE 40 STEEL PIPE.
 4. SLEEVES LARGER THAN 6" DIAMETER SHALL BE 1/4" THICK STEEL PIPE.
 5. IN WALLS THICKER THAN 12", LINK SEAL SHALL BE INSTALLED AT BOTH ENDS OF THE WALL SLEEVE. SLEEVE DIAMETER SHALL BE PER LINK SEAL MANUFACTURER'S RECOMMENDATION.
 6. SLEEVE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
 7. FOR NEW CONCRETE STRUCTURE WHERE AN EXISTING PIPE WILL PENETRATE A NEW CONCRETE WALL, SLEEVES SHALL BE SPLIT WALL SLEEVES WELDED AROUND THE EXISTING PIPE AND POSITIONED IN THE FORM TO CENTER THE PIPE. SLEEVE DIAMETER AND THICKNESS SHALL BE PER MANUFACTURER'S RECOMMENDATION.

6
09-S501
WALL PENETRATION SEAL
SCALE: NOT TO SCALE



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REV	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

TANK CONNECTION DETAIL 1

JOB NO.: 21W23110
DATE: JUNE 10, 2022.
DESIGNED BY: TVP
DRAWN BY: AEG
CHECKED BY: TVP

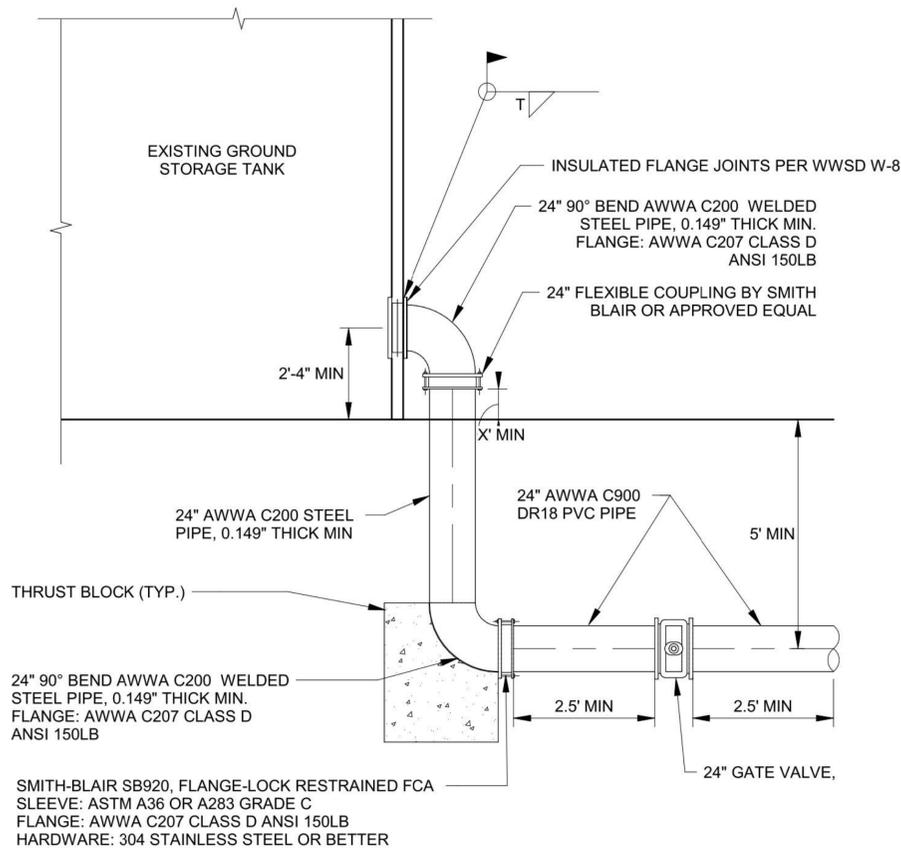
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
DRAWING NUMBER
09-S302
SHEET NUMBER
49

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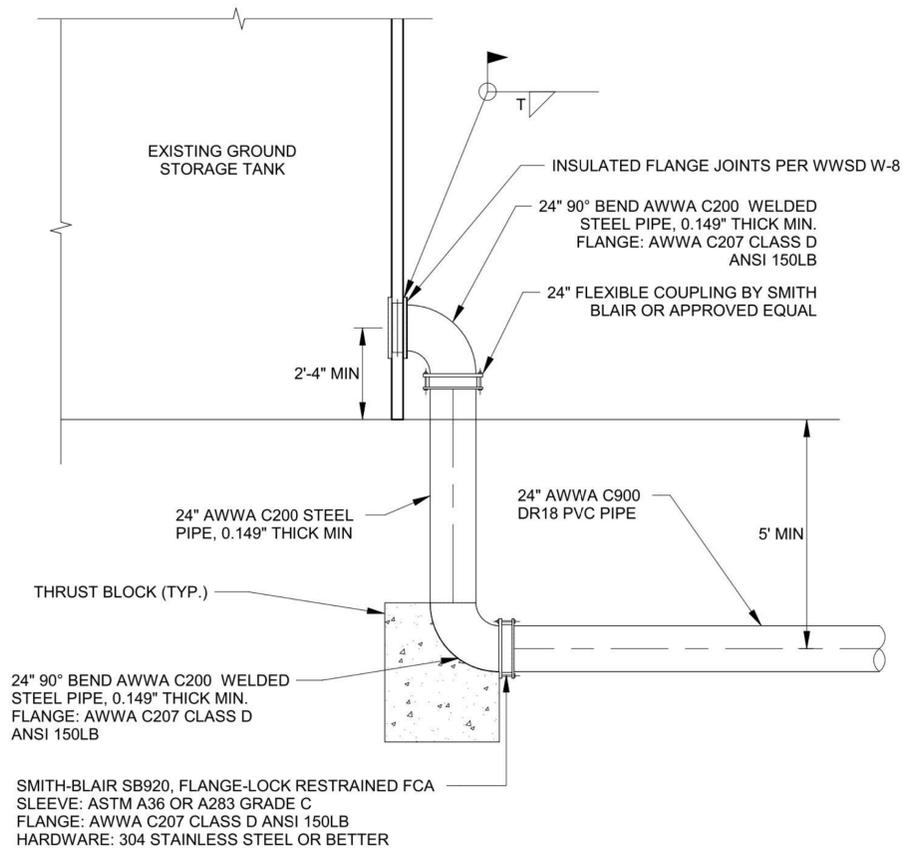


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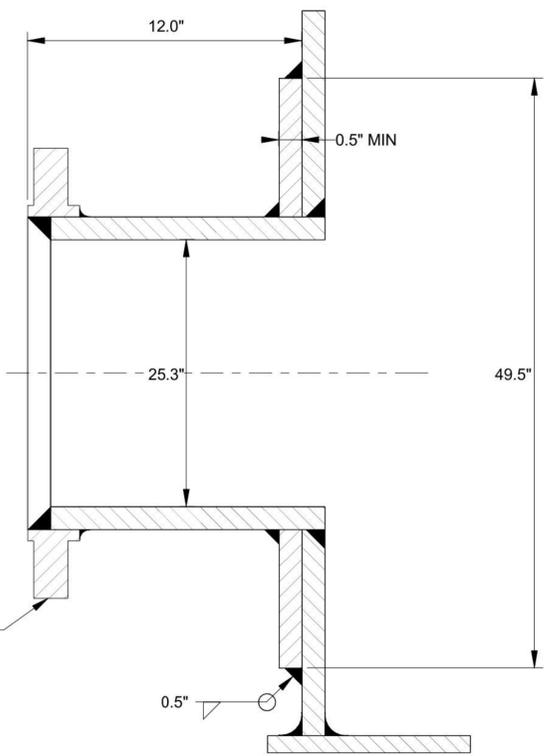
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1
 00-P101 SCALE: 1/4" = 1'-0"



2
 00-P101 SCALE: 1/4" = 1'-0"



3
 00-P101 SCALE: NOT TO SCALE

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 Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmono.ctb Plot Scale: 1:2.5849 Plot Date: 10/21/2022 9:05 AM Plotter used: None

REV	DATE	DESCRIPTION	BY

WIDFIELD WATER AND SANITATION DISTRICT
 WIDFIELD, COLORADO
UPPEER WEST TO EAST TRANSMISSION LINE

TANK CONNECTION DETAIL 2

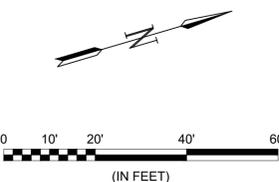
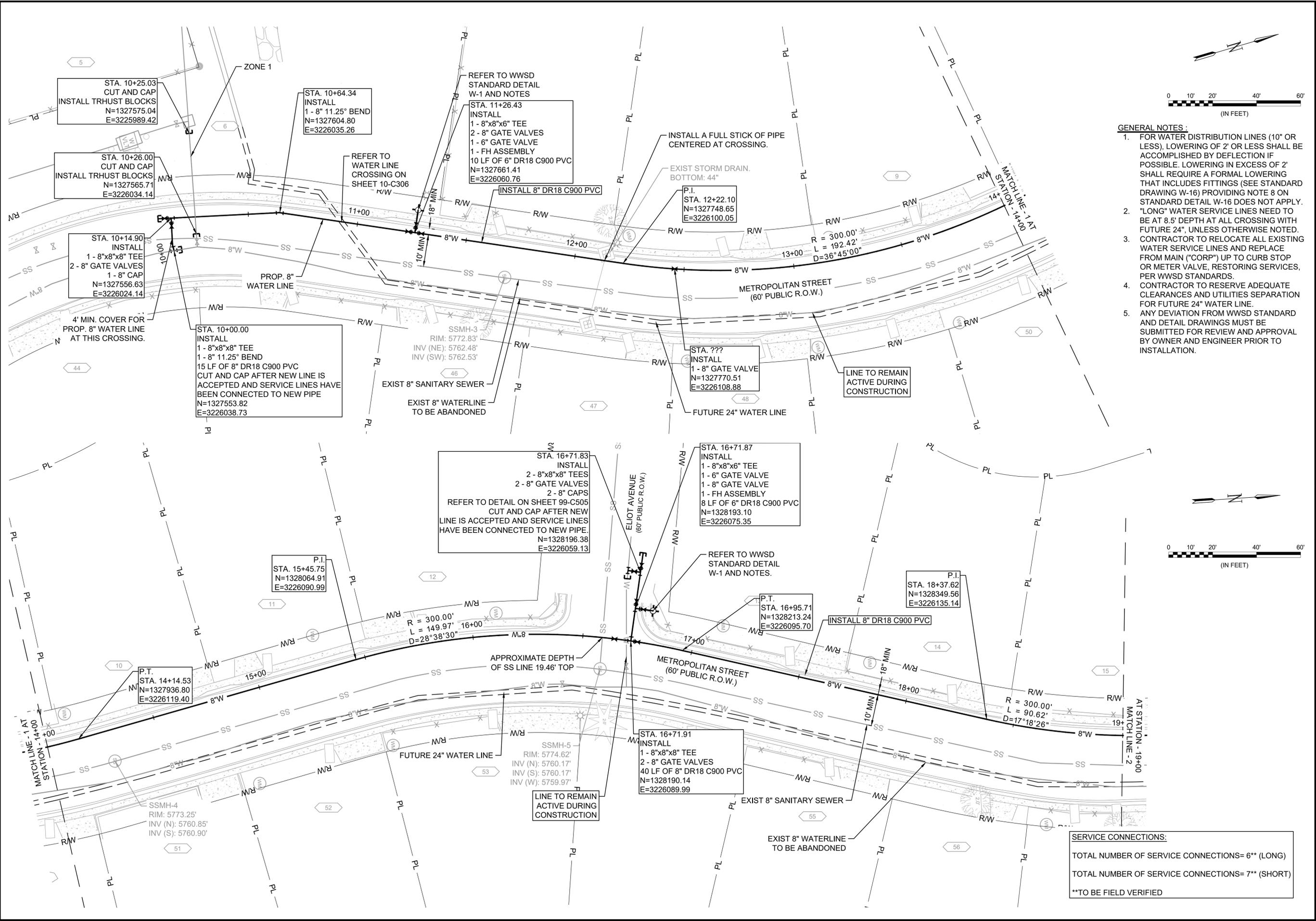
JOB NO.: Project Number
 DATE: MONTH YEAR
 DESIGNED BY: Designer
 DRAWN BY: Author
 CHECKED BY: Checker

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
09-S303

SHEET NUMBER
50

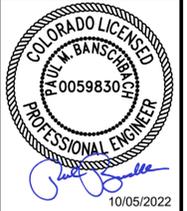
File: \\2021\21w23110 - wwsd\jw2\emad\Drawings\WWSD UM CMAP 8 INCH - 05-C301.dwg Last Save: 10/4/2022 4:02 PM Last saved by: UOPerez
Last plotted by: Perez, Ulises O Plot Style: AECmon.ctb Plot Date: 10/4/2022 4:31 PM Plotter used: None



- GENERAL NOTES:**
- FOR WATER DISTRIBUTION LINES (10" OR LESS), LOWERING OF 2' OR LESS SHALL BE ACCOMPLISHED BY DEFLECTION IF POSSIBLE. LOWERING IN EXCESS OF 2' SHALL REQUIRE A FORMAL LOWERING THAT INCLUDES FITTINGS (SEE STANDARD DRAWING W-16) PROVIDING NOTE 8 ON STANDARD DETAIL W-16 DOES NOT APPLY. "LONG" WATER SERVICE LINES NEED TO BE AT 8.5' DEPTH AT ALL CROSSING WITH FUTURE 24", UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO RELOCATE ALL EXISTING WATER SERVICE LINES AND REPLACE FROM MAIN ("CORP") UP TO CURB STOP OR METER VALVE, RESTORING SERVICES, PER WWSO STANDARDS.
 - CONTRACTOR TO RESERVE ADEQUATE CLEARANCES AND UTILITIES SEPARATION FOR FUTURE 24" WATER LINE.
 - ANY DEVIATION FROM WWSO STANDARD AND DETAIL DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY OWNER AND ENGINEER PRIOR TO INSTALLATION.

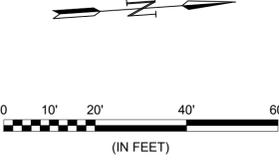


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10/05/2022

REV.	DATE	DESCRIPTION	BY



WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO
8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

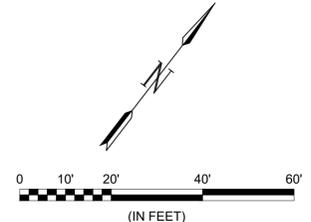
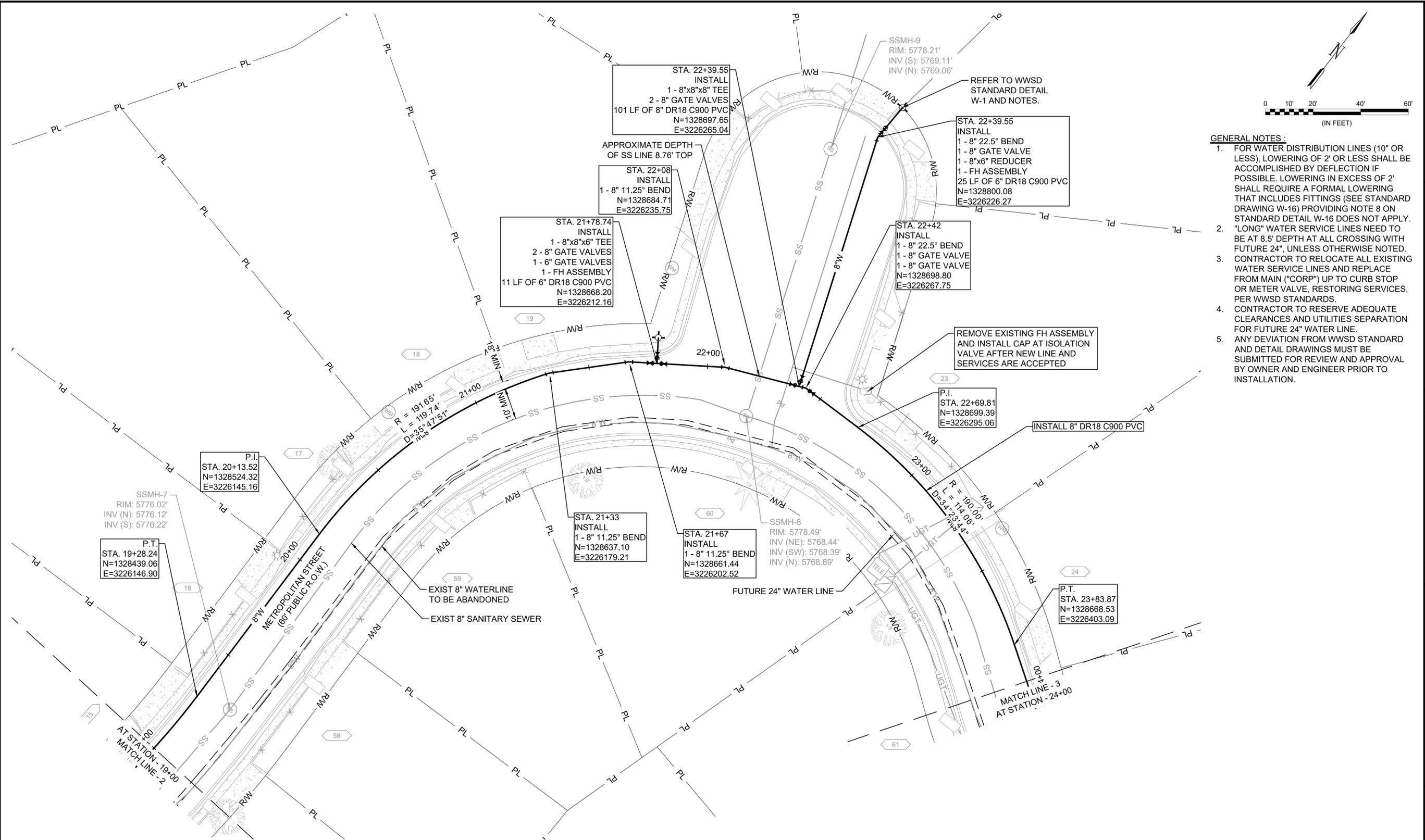
PLAN AND PROFILE (STA. 10+00 TO STA. 19+00)

JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
DRAWING NUMBER
10-C301
SHEET NUMBER
51

SERVICE CONNECTIONS:
TOTAL NUMBER OF SERVICE CONNECTIONS= 6** (LONG)
TOTAL NUMBER OF SERVICE CONNECTIONS= 7** (SHORT)
**TO BE FIELD VERIFIED

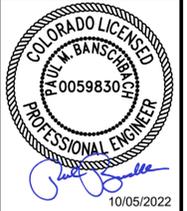
File: \\2021\21w23110 - wwsd\jw2e\cmar\Drawings\WWSD UM CMAR 8 INCH - 05- C303.dwg Last Save: 10/3/2022 2:28 PM Last saved by: F.Chavez
 Last plotted by: Perez, Ulises O Plot Style: AECmono.ctb Plot Date: 10/4/2022 4:31 PM Plotter used: None



- GENERAL NOTES:**
- FOR WATER DISTRIBUTION LINES (10" OR LESS), LOWERING OF 2' OR LESS SHALL BE ACCOMPLISHED BY DEFLECTION IF POSSIBLE. LOWERING IN EXCESS OF 2' SHALL REQUIRE A FORMAL LOWERING THAT INCLUDES FITTINGS (SEE STANDARD DRAWING W-16) PROVIDING NOTE 8 ON STANDARD DETAIL W-16 DOES NOT APPLY. "LONG" WATER SERVICE LINES NEED TO BE AT 8.5' DEPTH AT ALL CROSSING WITH FUTURE 24", UNLESS OTHERWISE NOTED.
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 - CONTRACTOR TO RESERVE ADEQUATE CLEARANCES AND UTILITIES SEPARATION FOR FUTURE 24" WATER LINE.
 - ANY DEVIATION FROM WWSD STANDARD AND DETAIL DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY OWNER AND ENGINEER PRIOR TO INSTALLATION.



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REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

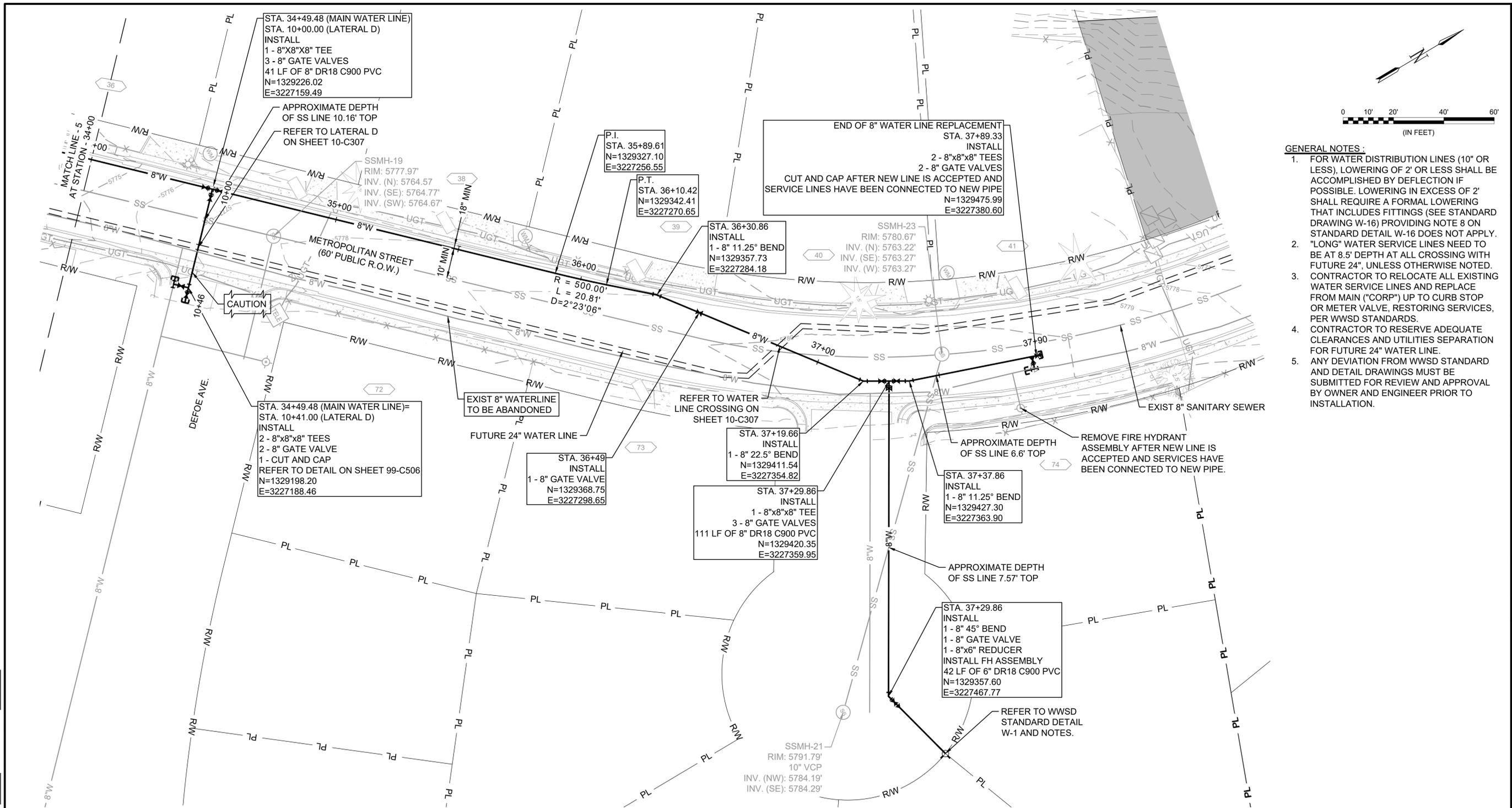
PLAN AND PROFILE
 (STA. 19+00 TO STA. 24+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
 DRAWING NUMBER
10-C302
 SHEET NUMBER
52

SERVICE CONNECTIONS:
 TOTAL NUMBER OF SERVICE CONNECTIONS= 3** (LONG)
 TOTAL NUMBER OF SERVICE CONNECTIONS= 5** (SHORT)
 **TO BE FIELD VERIFIED

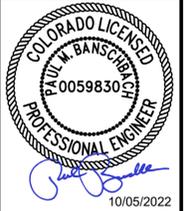
File: \\2021\21w23110 - wwsd\jw2e\cmar\Drawings\WWSD UM CMAR 8 INCH-05 - C305.dwg Last Save: 10/3/2022 2:28 PM Last saved by: F.Chavez
 Last plotted by: Perez, Ulises O Plot Style: AECmon.ctb Plot Date: 10/4/2022 4:32 PM Plotter used: None



- GENERAL NOTES:**
- FOR WATER DISTRIBUTION LINES (10" OR LESS), LOWERING OF 2' OR LESS SHALL BE ACCOMPLISHED BY DEFLECTION IF POSSIBLE. LOWERING IN EXCESS OF 2' SHALL REQUIRE A FORMAL LOWERING THAT INCLUDES FITTINGS (SEE STANDARD DRAWING W-16) PROVIDING NOTE 8 ON STANDARD DETAIL W-16 DOES NOT APPLY. "LONG" WATER SERVICE LINES NEED TO BE AT 8.5' DEPTH AT ALL CROSSING WITH FUTURE 24", UNLESS OTHERWISE NOTED.
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10/05/2022

REV.	DATE	DESCRIPTION	BY

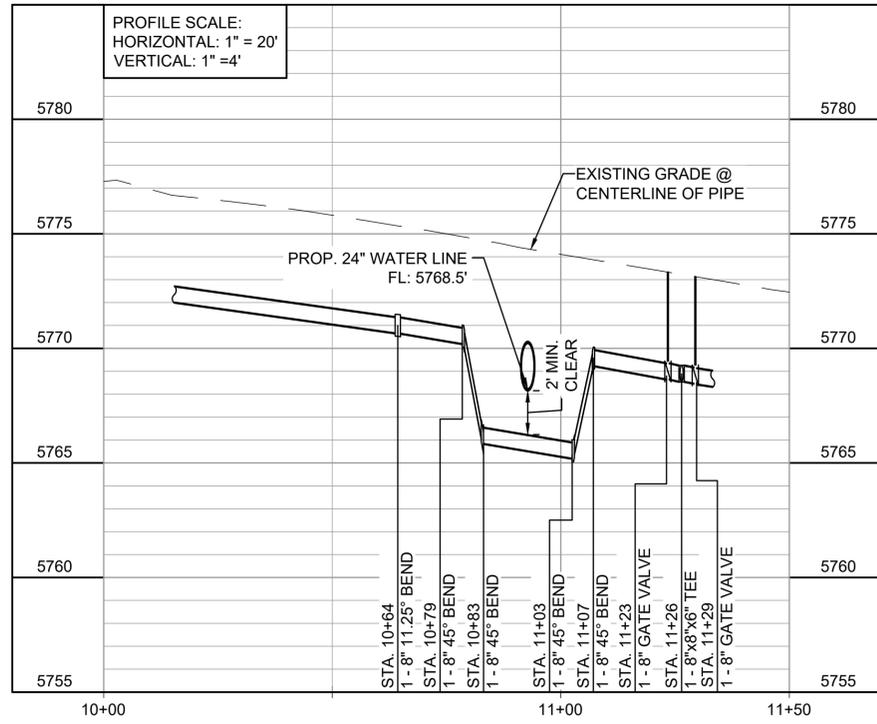
Widefield Water and Sanitation District
 WIDEFIELD, COLORADO
8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

PLAN AND PROFILE
 (STA. 34+00 TO STA. 37+90)

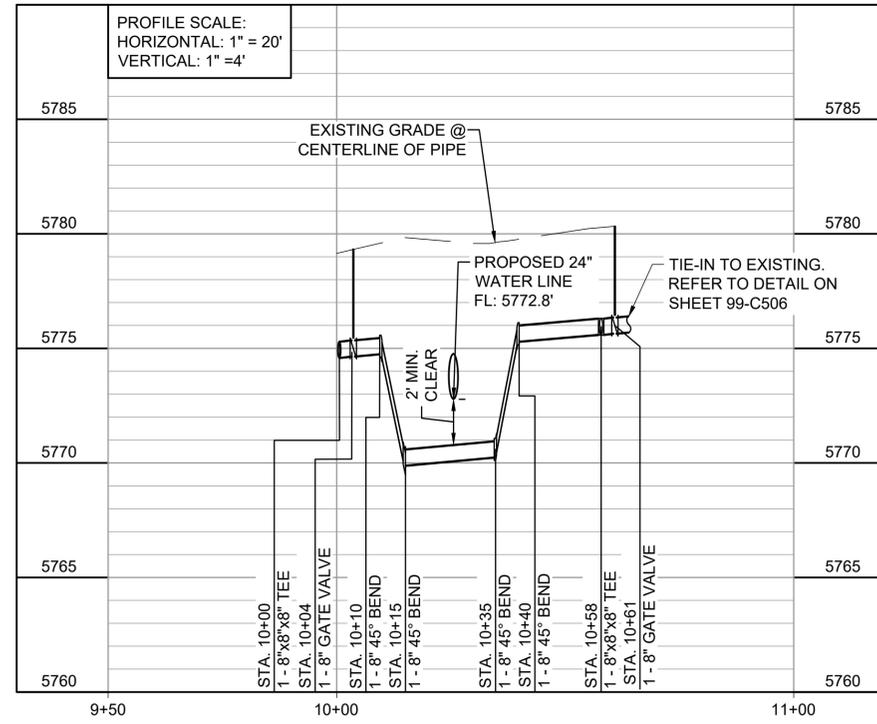
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
 DRAWING NUMBER
10-C305
 SHEET NUMBER
55

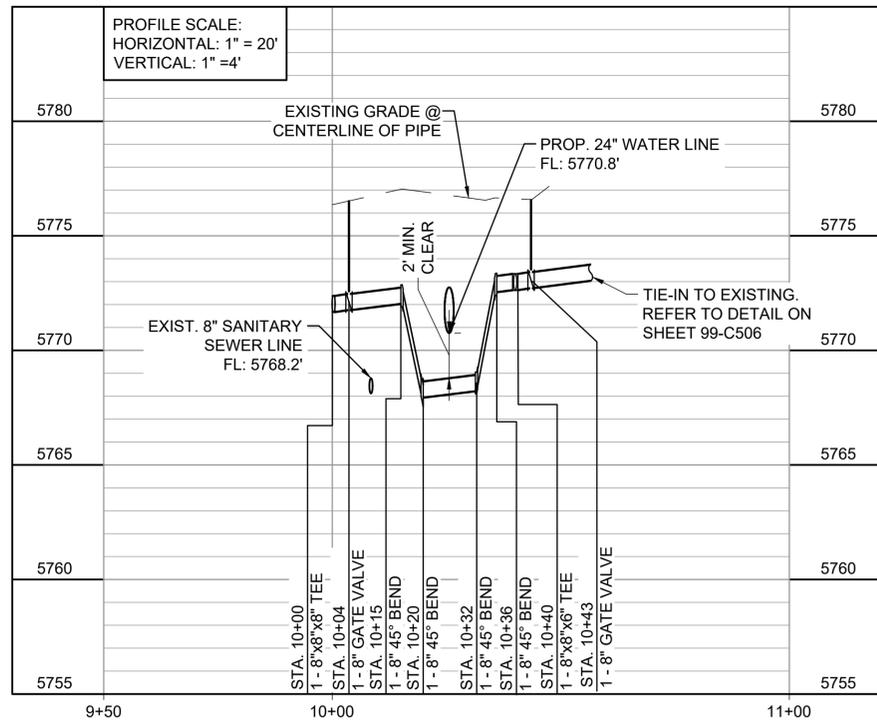
SERVICE CONNECTIONS:
 TOTAL NUMBER OF SERVICE CONNECTIONS= 2** (LONG)
 TOTAL NUMBER OF SERVICE CONNECTIONS= 6** (SHORT)
 **TO BE FIELD VERIFIED



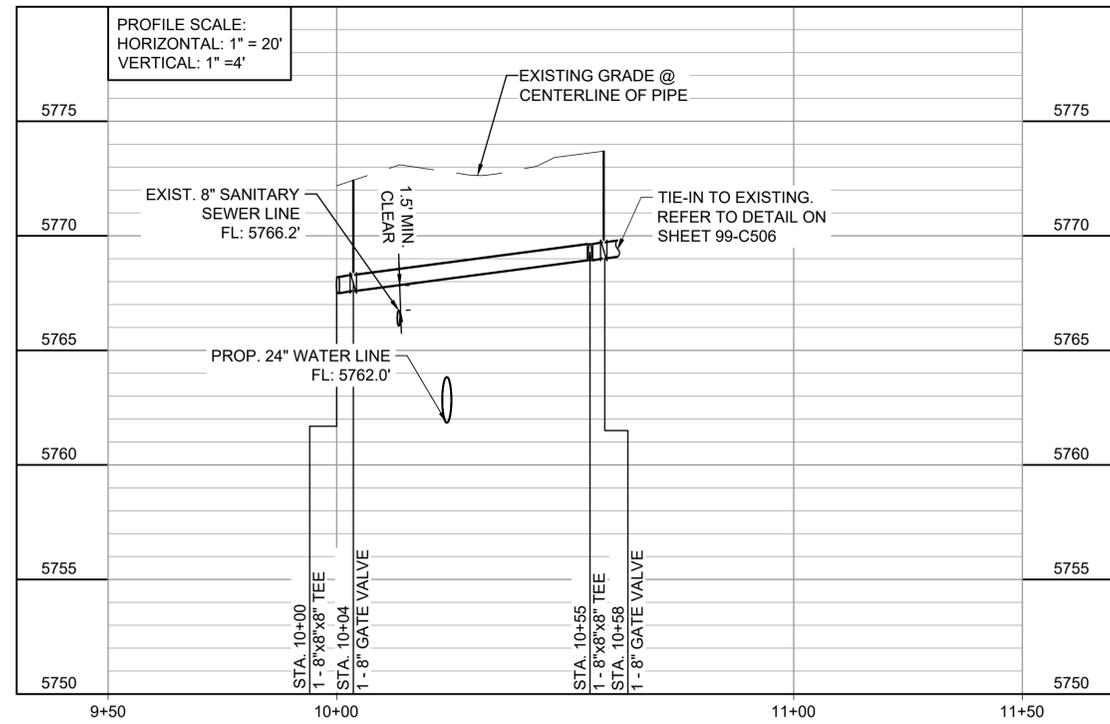
1 WATER LINE CROSSING STA. 10+00 TO STA. 11+50
 10-C301 SCALE: 1" = 20'



2 LATERAL A (KIPLING ST.) STA. 9+50 TO STA. 11+00
 10-C303 SCALE: 1" = 20'



3 LATERAL B (SNEAD ST.) STA. 9+50 TO STA. 11+00
 10-C303 SCALE: 1" = 20'



4 LATERAL C (ASHLAND PL.) STA. 9+50 TO STA. 11+00
 10-C304 SCALE: 1" = 20'



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10/05/2022

REV.	DATE	DESCRIPTION	BY

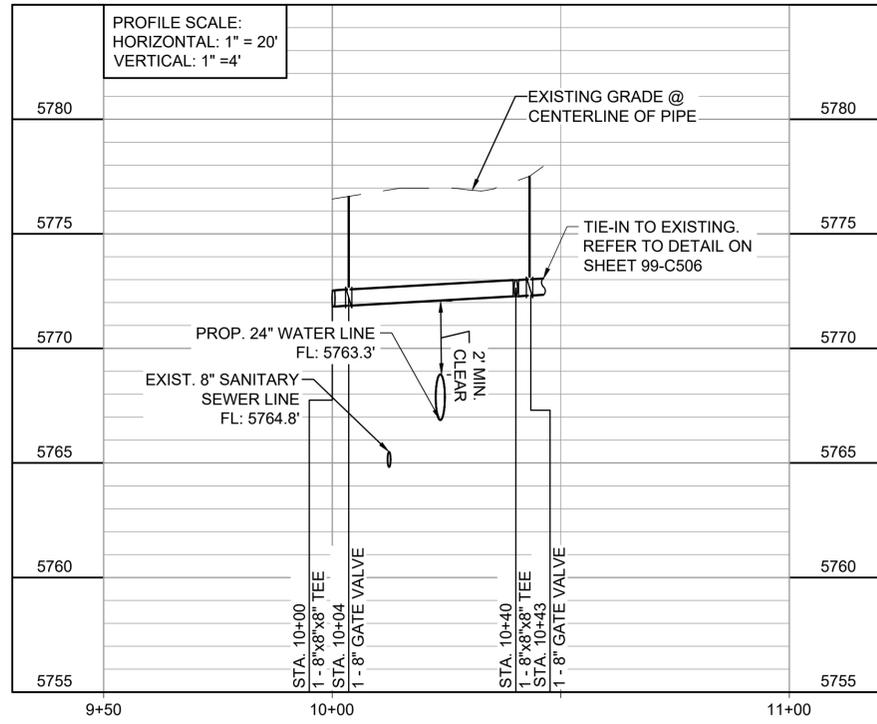
WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
 8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

WATERLINE LATERALS 1

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

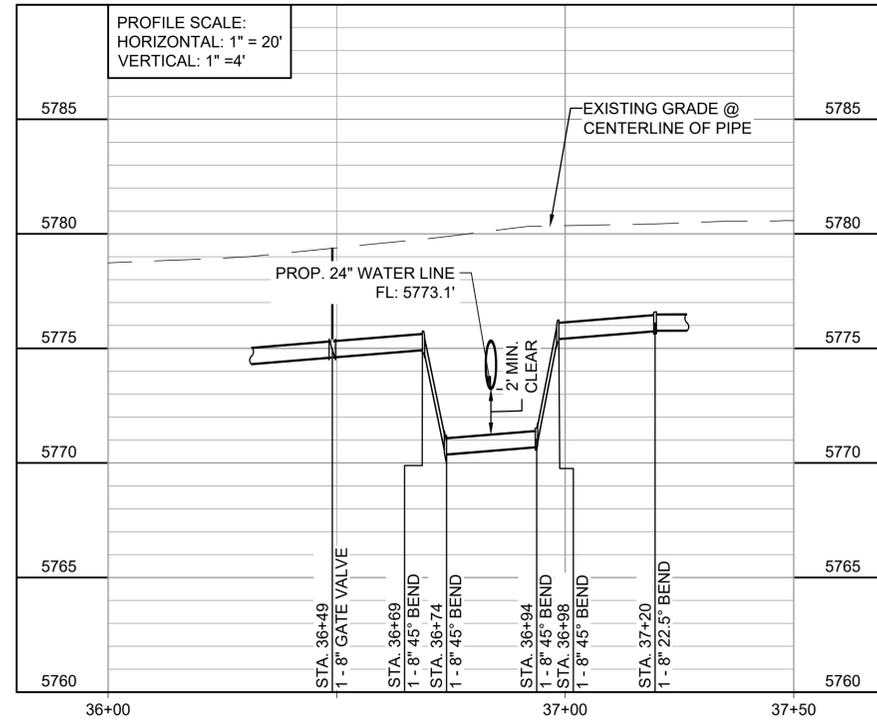
BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
 DRAWING NUMBER
10-C306
 SHEET NUMBER
56

File: I:\2021\21w23110 - wwsd\jwz\cmar\Drawings\WWS\DWG - 05 - C329 (in PROF) .dwg, Last Save: 10/04/2022 4:36 PM, Last saved by: UOPerez
 Last plotted by: Perez, Ulices O., Plot Style: AECmon.ctb, Plot Date: 10/04/2022 4:37 PM, Plotter used: None



1
10-C305 SCALE: 1" = 20'

LATERAL D (DEFOE AVE.) STA. 9+50 TO STA. 11+00



2
10-C305 SCALE: 1" = 20'

WATER LINE CROSSING STA. 36+00 TO 38+00

File: I:\2021\21w23110 - wwsd uv2e cmanDrawings\WWSDD UM CMAR - 05- C329 (6in PROF).dwg Last Save: 10/04/2022 4:07 PM Last saved by: UOPerez
Last plotted by: Perez, Ulises O Plot Style: AECmono.ctb Plot Date: 10/04/2022 4:33 PM Plotter used: None



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10/05/2022

REV.	DATE	DESCRIPTION	BY

Widefield
Water and Sanitation District
WIDEFIELD, COLORADO
8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

WATERLINE
LATERALS 2

JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
10-C307
SHEET NUMBER **57**