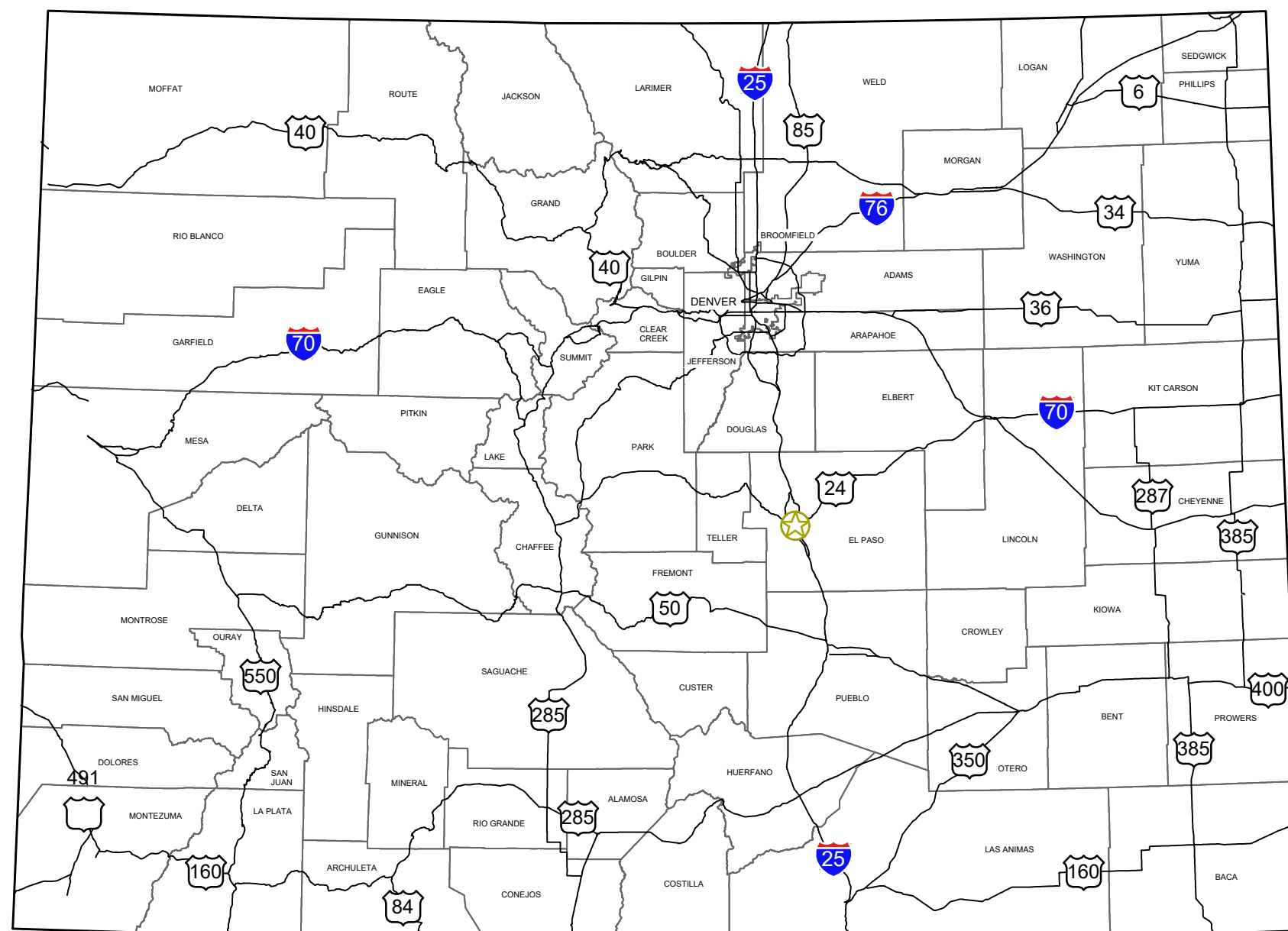


# UPPER WEST TO EAST TRANSMISSION LINE

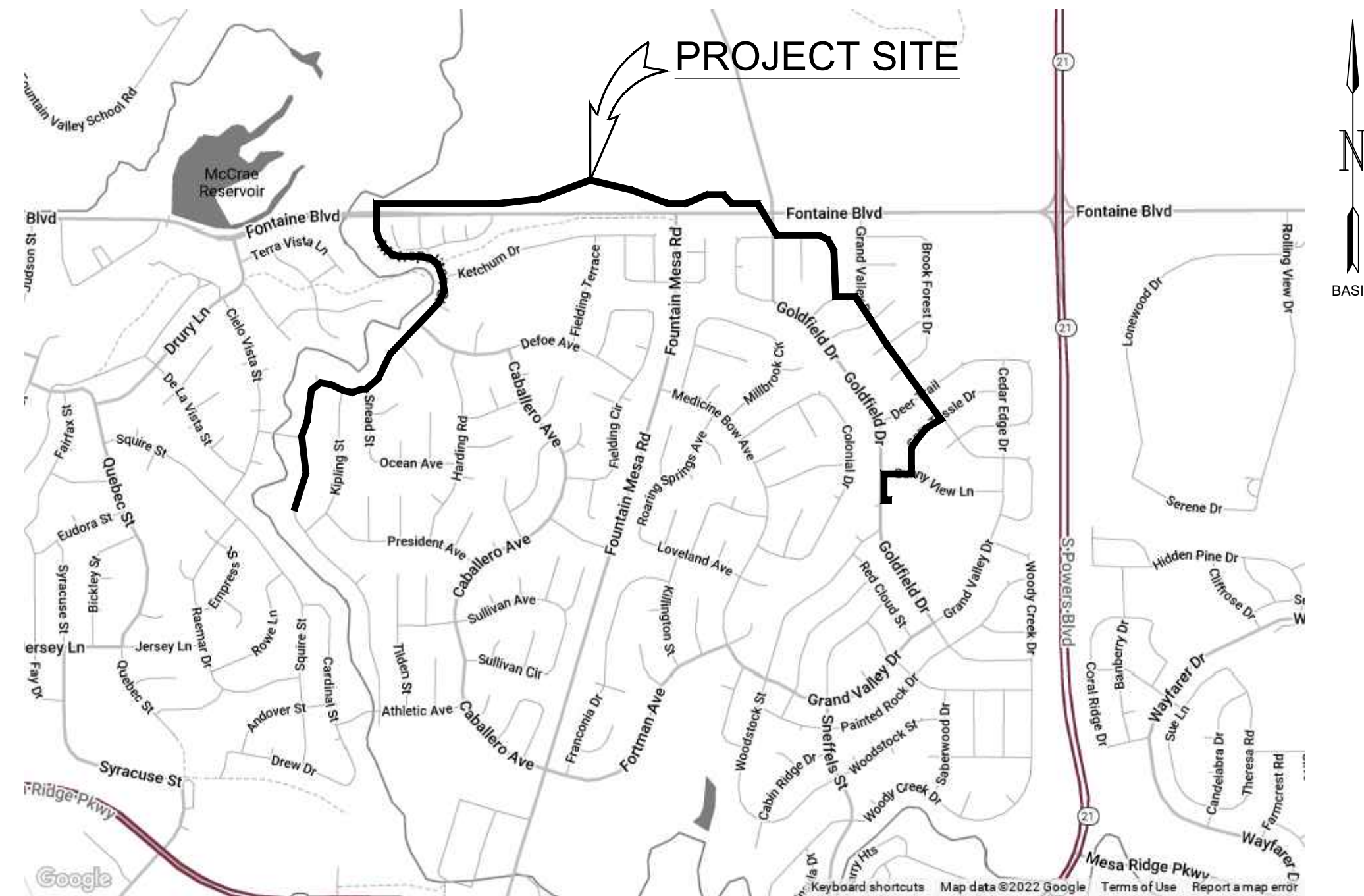
## AND 8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

### CONSTRUCTION DRAWINGS



COLORADO

AREA  
NO SCALE



STATE MAP  
NO SCALE

GARVER PROJECT NO. 21W23110  
DECEMBER 2022



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

#### 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.  
COUNTY ENGINEER / ECM ADMINISTRATOR



##### OWNER'S STATEMENT

I, THE OWNER/DEVELOPER WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

OWNER SIGNATURE: Robert Palmer DATE: January 30, 2023

##### 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: January 30, 2023 BY: Robert Palmer

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

##### DESIGN ENGINEER'S STATEMENT:

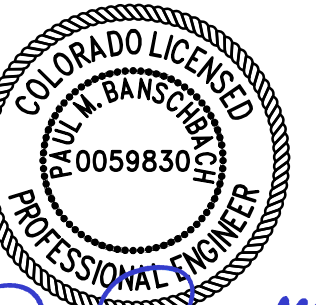
THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

Paul M. Banschbach  
PAUL M. BANSCHBACH, P.E. #59830  
GARVER

01/30/2023  
DATE



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



Paul Banschbach  
01/30/2023

BY	DESCRIPTION	DATE	REV.

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

COVER SHEET

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

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

DRAWING NUMBER


**01-G001**

SHEET  
NUMBER **01**

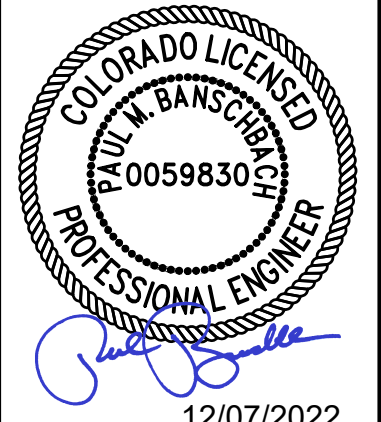


File: L:\202\12\1W23110 - WWSD UW2E CMARDrawings\WWSD UW CMAR - 01 - G002.dwg, Last Save: 12/6/2022 4:47 PM, Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S, Plot Date: 12/6/2022 4:47 PM, Plotter Used: DWG To PDF.pc3

INDEX OF DRAWINGS				
SHEET NO.	SHEET TITLE	DWG. NO.	DATE ISSUED	DATE REVISED
01-GENERAL				
01	COVER SHEET	01-G001	10/04/2022	
02	SHEET INDEX	01-G002	10/04/2022	
03	ABBREVIATIONS AND LEGEND	01-G003	10/04/2022	
04	GENERAL NOTES	01-G004	10/04/2022	
05	STRUCTURAL AND ELECTRICAL NOTES	01-G005	10/04/2022	
06	TABULATION OF PROPERTIES	05-G006	10/04/2022	
07	TABULATION OF PROPERTIES	05-G007	10/04/2022	
05-CIVIL				
08	OVERALL KEY MAP	05-C101	12/07/2022	
09	WIDEFIELD LAND INVESTMENT LLC PROPOSED EASEMENT LAYOUT	05-C102	12/07/2022	
10	FOUNTAIN VALLEY SCHOOL PROPOSED EASEMENT LAYOUT	05-C103	12/07/2022	
11	PLAN AND PROFILE (STA. 10+00 TO STA. 14+00)	05-C301	12/07/2022	
12	PLAN AND PROFILE (STA. 14+00 TO STA. 19+00)	05-C302	12/07/2022	
13	PLAN AND PROFILE (STA. 19+00 TO STA. 24+00)	05-C303	12/07/2022	
14	PLAN AND PROFILE (STA. 24+00 TO STA. 29+00)	05-C304	12/07/2022	
15	PLAN AND PROFILE (STA. 29+00 TO STA. 34+00)	05-C305	12/07/2022	
16	PLAN AND PROFILE (STA. 34+00 TO STA. 39+00)	05-C306	12/07/2022	
17	PLAN AND PROFILE (STA. 39+00 TO STA. 44+00)	05-C307	12/07/2022	
18	PLAN AND PROFILE (STA. 44+00 TO STA. 49+00)	05-C308	12/07/2022	
19	PLAN AND PROFILE (STA. 49+00 TO STA. 54+00)	05-C309	12/07/2022	
20	PLAN AND PROFILE (STA. 54+00 TO STA. 59+00)	05-C310	12/07/2022	
21	PLAN AND PROFILE (STA. 59+00 TO STA. 64+00)	05-C311	12/07/2022	
22	PLAN AND PROFILE (STA. 64+00 TO STA. 69+00)	05-C312	12/07/2022	
23	PLAN AND PROFILE (STA. 69+00 TO STA. 74+00)	05-C313	12/07/2022	
24	PLAN AND PROFILE (STA. 74+00 TO STA. 79+00)	05-C314	12/07/2022	
25	PLAN AND PROFILE (STA. 79+00 TO STA. 84+00)	05-C315	12/07/2022	
26	PLAN AND PROFILE (STA. 84+00 TO STA. 89+00)	05-C316	12/07/2022	
27	PLAN AND PROFILE (STA. 89+00 TO STA. 94+00)	05-C317	12/07/2022	
28	PLAN AND PROFILE (STA. 94+00 TO STA. 99+00)	05-C318	12/07/2022	
29	PLAN AND PROFILE (STA. 99+00 TO STA. 104+00)	05-C319	12/07/2022	
30	PLAN AND PROFILE (STA. 104+00 TO STA. 109+00)	05-C320	12/07/2022	
31	PLAN AND PROFILE (STA. 109+00 TO STA. 114+00)	05-C321	12/07/2022	
32	PLAN AND PROFILE (STA. 114+00 TO STA. 119+00)	05-C322	12/07/2022	
33	PLAN AND PROFILE (STA. 119+00 TO STA. 124+00)	05-C323	12/07/2022	
34	PLAN AND PROFILE (STA. 124+00 TO STA. 129+00)	05-C324	12/07/2022	
35	PLAN AND PROFILE (STA. 129+00 TO STA. 130+13)	05-C325	12/07/2022	
36	12" WATER LINE LATERAL AT BOOSTER 2 PUMP STATION	05-C326	12/07/2022	
37	TRAIL REPLACEMENT LAYOUT	05-C327	12/07/2022	
38	TRAIL REPLACEMENT LAYOUT 2	05-C328	12/07/2022	
39	YARD PIPING PLAN	05-C329	12/07/2022	
40	TANK FARM LATERALS	05-C330	12/07/2022	
41	YARD GRADING PLAN	05-C331	12/07/2022	
09-DETAILS				
42	STANDARD DETAILS 1	99-C500	10/04/2022	
43	STANDARD DETAILS 2	99-C501	10/04/2022	
44	STANDARD DETAILS 3	99-C502	10/04/2022	
45	STANDARD DETAILS 4	99-C503	10/04/2022	
46	STANDARD DETAILS 5	99-C504	10/04/2022	
47	STANDARD DETAILS 6	99-C505	10/04/2022	
48	STANDARD DETAILS 7	99-C506	10/04/2022	
49	WIDEFIELD METER VAULT PLAN	09-S101	12/07/2022	
50	FLOW METER VAULT SECTION & ISOMETRIC	09-S301	12/07/2022	
51	TANK CONNECTION DETAIL 1	09-S302	12/07/2022	
52	TANK CONNECTION DETAIL 2	09-S303	12/07/2022	
53	WIDEFIELD METER VAULT ELECTRICAL PLAN	09-E101	12/07/2022	
54	ELECTRICAL DETAILS	09-E701	12/07/2022	
10-8in WATER DISTRIBUTION MAIN				
55	PLAN AND PROFILE (STA. 10+00 TO STA. 19+00)	10-C301	10/04/2022	
56	PLAN AND PROFILE (STA. 19+00 TO STA. 24+00)	10-C302	10/04/2022	
57	PLAN AND PROFILE (STA. 24+00 TO STA. 29+00)	10-C303	10/04/2022	
58	PLAN AND PROFILE (STA. 29+00 TO STA. 34+00)	10-C304	10/04/2022	
59	PLAN AND PROFILE (STA. 34+00 TO STA. 37+90)	10-C305	10/04/2022	
60	WATER LINE LATERALS 1	10-C306	10/04/2022	
61	WATER LINE LATERALS 2	10-C307	10/04/2022	




© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

BY:				
DESCRIPTION:				
DATE:				
REV:				



WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

SHEET INDEX

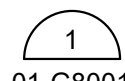

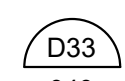

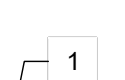



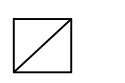
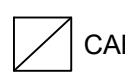

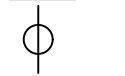

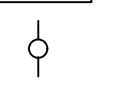
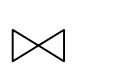





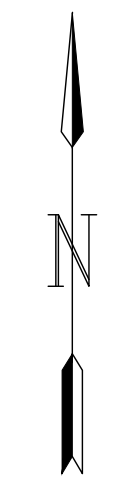

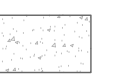
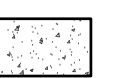
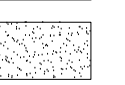
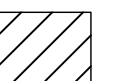
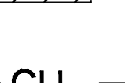


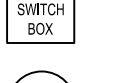

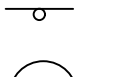
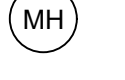
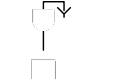

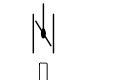
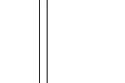
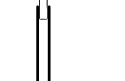


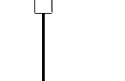
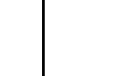


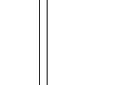
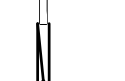




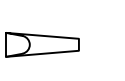

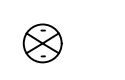

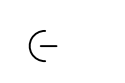

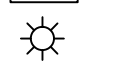
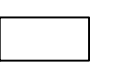



JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

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**



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		CALLOUT DENOTES A CIVIL/UTILITY DETAIL REFERENCE (THIS EXAMPLE HAS A BACK REFERENCE TO DETAIL 1 ON DRAWING NUMBER 01-G8001)
AFF	ABOVE FINISHED FLOOR	LIN	LINEAL, LINEAR	UNO	UNLESS NOTED OTHERWISE	- - - - -	TREE LINE		SPRINKLER HEAD		CALLOUT DENOTES A STANDARD DETAIL REFERENCE
APP	APPURTENANCE	LOC	LOCATION	VERT	VERTICAL	——UGTV——	UNDERGROUND CABLE TV		SURVEY CONTROL POINT		CALLOUT DENOTES A KEYED NOTE REFERENCE
APPROX	APPROXIMATE	LT	LEFT	VPI	VERTICAL POINT OF INTERSECTION	——UGT——	UNDERGROUND TELECOM		STORM DRAIN MANHOLE		
ARV	AIR RELEASE VALVE	MANUF	MANUFACTURER	VT	VENTILATOR	——UGE——	UNDERGROUND ELECTRIC		TELEPHONE MANHOLE		
ASPH	ASPHALT	MAX	MAXIMUM	W	WATER, WEST, WIDTH	——UGT(FO)——	UNDERGROUND FIBER OPTIC TELECOM		TELEVISION PEDESTAL		
ASSY	ASSEMBLY	MGD	MILLION GALLONS PER DAY	W/O	WITHOUT	——W——	WATER EDGE		TRAFFIC SIGNAL POLE/ RAILROAD SIGNAL POLE		
AVE	AVENUE	MH	MANHOLE	WL	WATER LINE	——W——	WATER LINE		VALVE		
BC	BACK OF CURB	MIN	MINIMUM	WS	WATERSTOP	——W——	EXISTING WATER LINE		WATER METER		
BLDG	BUILDING	MISC	MISCELLANEOUS	WTM	WATER TRANSMISSION MAIN	——W——	EXISTING TRANSMISSION MAIN		WELL		
BLK	BLOCK	MON	MONUMENT	WWF	WELDED WIRE FABRIC	——W——	EXISTING WATER SERVICE LINE		DEMOLISH		SYMBOL INDICATES NORTH DIRECTION
BLVD	BOULEVARD	MJ	MECHANICAL JOINT	X	BY	——W——	NEW PIPELINE		EXISTING ASPHALT		
BM	BENCHMARK	N	NORTH			——W——			EXISTING CONCRETE		
BOT	BOTTOM	NE	NORTHEAST			——W——			GRAVEL ROAD OR DRIVE		
BOTOC	BY OTHER THAN OPEN CUT	NPW	NON-POTABLE WATER			——W——			UNDERGROUND COMMUNICATION		
BOP	BOTTOM OF PIPE	NW	NORTHWEST			——W——			RAILROAD SWITCH BOX		
BOV	BLOW-OFF VALVE	NTS	NOT TO SCALE			——W——			SIGN		
BV	BUTTERFLY VALVE	NWSL	NORMAL WATER SURFACE LEVEL			——W——			AIR RELEASE VALVE		
CAV	COMBINATION AIR AND VACUUM	OC	ON CENTER			——W——			BUTTERFLY VALVE		
CDPHE	COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIROMENT	OD	OUTSIDE DIAMETER			——W——			BLOW-OFF VALVE		
		OVF	OVERFLOW			——W——			AIR RELEASE VALVE		
		PD	PROCESS DRAIN			——W——			BUTTERFLY VALVE		
		PE	PLAIN END			——W——			BLOW-OFF VALVE		
		PI	POINT OF INTERSECTION			——W——			AIR RELEASE VALVE		
		PL, PLS	PLATE, PLACES			——W——			BUTTERFLY VALVE		
		PO	PUSH ON			——W——		<			
		PP	POWER POLE			——W——			FLAG POLE		
		PROP	PROPOSED			——W——			GAS METER		
		PRC	POINT OF REVERSE CURVE			——W——			GAS REGULATOR		
		PSI	POUNDS PER SQUARE INCH			——W——			GUY WIRE ANCHOR		
		PT	POINT OF TANGENT			——W——			LIGHT POLE		
		PVC	POLYVINYL CHLORIDE			——W——			MONITORING WELL		
		R, RAD	RADIUS			——W——					
		RCP	REINFORCED CONCRETE PIPE			——W——					
		RD	ROAD			——W——					
		RED	REDUCER			——W——					
		REINF	REINFORCEMENT			——W——					
		REQD	REQUIRED			——W——					
		RJ	RESTRAINED JOINT			——W——					
		ROW, R/W	RIGHT-OF-WAY			——W——					
		RP	RADIUS POINT			——W——					
		RS	RESILIENT SEAT			——W——					
		RT	RIGHT			——W——					
		RW	RAW WATER LINE			——W——					
		S	SOUTH, SLUDGE			——W——					
		SCH	SCHEDULE			——W——					
		SD	STORM DRAIN			——W——					
		SDMH	STORM DRAIN MANHOLE			——W——					
		SE	SOUTHEAST			——W——					
		SECT	SECTION			——W——					
		SF, SQ FT	SQUARE FEET			——W——					
		SHT	SHEET			——W——					
		SPEC	SPECIFICATIONS			——W——					
		SQ	SQUARE			——W——					
		SS	SANITARY SEWER			——W——					
		ST	STREET			——W——					
		STA	STATION			——W——					
		STD	STANDARD			——W——					
		SW	SIDEWALK, SOUTHWEST			——W——					
		SY	SQUARE YARDS			——W——					
		T&B	TOP AND BOTTOM			——W——					
		TBM	TEMPORARY BENCHMARK			——W——					
		TC	TIME CLOCK, TOP OF CURB			——W——					
		TEMP	TEMPORARY, TEMPERED			——W——					
		THK	THICKNESS			——W——					
		TOC	TOP OF CURB			——W——					
		TOP	TOP OF PIPE			——W——					
		TS	TOP OF SIDEWALK			——W——					
		TYP	TYPICAL			——W——					
		UL	UTILITY			——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					
						——W——					



File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UW CMAR - 01 - G004.dwg, Last Save: 11/21/2022 2:50 PM, Last saved by: FJChavez  
Last plotted by: Martinez, Ervin S, Plot Style: AEOnono.ctb, Plot Scale: 1" = 1' Plot Date: 12/5/2022 1:52 PM, Plotter used: DWG To PDF.pc3

GENERAL CIVIL NOTES

1. SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR SAFETY, MEANS, OR METHODS OF THE CONTRACTOR.
2. 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.
3. 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.
4. SEWER AND WATER SERVICE SHALL BE MAINTAINED DURING ENTIRE CONSTRUCTION PERIOD OR TEMPORARY FACILITIES PROVIDED.
5. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING ACTIVITIES AND ASSOCIATED PERMITS REQUIRED FOR ALL EXCAVATIONS REQUIRED TO COMPLETE THE PROJECT.
6. 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.
7. 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.
8. 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.
9. CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW TO RESIDENCES AND BUSINESS WITH MINIMUM DISRUPTION OF ACCESS.
10. ALL STREETS AND DRIVEWAYS SHALL BE OPEN CUT UNLESS NOTED OTHERWISE.
11. ALL EXCAVATION BACKFILL OUTSIDE TRAFFIC WAYS SHALL BE COMPACTED TO MIN 95% STANDARD PROCTOR DENSITY TO PREVENT SETTLEMENT.
12. BY OTHER THAN OPEN CUT SHALL FOLLOW TRENCHLESS TECHNOLOGY PER COLORADO SPRINGS UTILITIES WATER LINE EXTENSION SERVICE STANDARDS SECTION 6. LAUNCH AND RECEIVING PITS SHALL BE SUBMITTED TO OWNER AND ENGINEER FOR REVIEW PRIOR TO PERFORMING TRENCHLESS CROSSING.
13. CONSTRUCTION EASEMENTS WILL BE REQUIRED IF ENCROACHING INTO PRIVATE PROPERTY DURING THE CONSTRUCTION PROCESS.
14. A WORK IN THE R.O.W. PERMIT WILL BE REQUIRED FOR ALL CONSTRUCTION WORK WITHIN THE R.O.W.

PAVING AND GRADING NOTES

1. ALL PAVING MATERIALS AND CONSTRUCTION SHALL MEET THE EPC STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
2. ANY PAVEMENT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO EQUAL OR BETTER CONDITION AT THE CONTRACTORS EXPENSE.
3. 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.
4. FINAL PAVEMENT SURFACES SHALL NOT BE PLACED UNTIL ALL MAJOR CONSTRUCTION ACTIVES HAVE CONCLUDED.
5. ANY CHANGES TO FINAL GRADE ELEVATIONS AS SHOWN ON THE PLANS SHALL BE APPROVED BY THE ENGINEER.
6. ALL ASPHALT AND CONCRETE PAVING REMOVED AND REPLACED SHALL BE NEAT SAW CUT.
7. 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.
8. FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. REFER TO DRAWING NUMBER 05-C326 AND 05-C327.
9. 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

1. MINIMUM COVER OVER PIPING SHALL BE 4'-0", MEASURED FROM FINISHED GRADE.
2. 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.
3. 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.
4. ALL JOINTS SHALL BE WATERTIGHT.
5. 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
6. 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.
7. CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING BURIED PIPING AND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGED UNDERGROUND FACILITIES.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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. IF SITE CONDITIONS ARE DISCOVERED WHERE WASTEWATER SEPARATION IS LESS THAN 4' HORIZONTAL AND 18" VERTICAL, NOTIFY THE DISTRICT AND ENGINEER.

POLYWRAP LENGTHS FOR SECONDARY CONTAINMENT NEAR POSSIBLE POLLUTION SOURCES < 10 FEET HORIZONTAL SEPARATION & < 18 INCHES VERTICAL SEPARATION		
SHEET	BEGIN STA	END STA
10	9+77	12+43
10	12+97	13+15
10	13+73	13+91
11	15+67	15+85
11	16+36	16+54
11	17+97	18+09
11	18+52	18+70
12	20+21	23+18
12	23+76	24+00
13	24+86	25+04
13	25+48	25+66
13	25+99	26+17
13	26+61	26+79
13	27+06	27+24
13	27+61	27+79
13	28+25	28+43
14	29+27	29+92
14	30+41	30+59
14	31+22	31+67
14	32+99	33+11
15	36+22	37+44
15	38+01	38+19
15	38+83	39+00
16	39+00	41+82

16	42+01	42+19
16	42+41	42+59
16	42+88	43+06
16	43+79	43+97
17	44+38	44+56
17	44+91	45+09
17	45+46	45+64
17	45+95	46+13
17	46+53	46+71
17	47+05	47+83
17	48+11	48+29
18	49+00	51+35
20	60+38	60+67
20	63+02	63+18
21	67+32	67+62
22	70+95	71+13
22	73+92	74+00
23	74+00	74+08
24	79+09	79+39
24	81+16	81+46
24	82+74	83+04
25	84+50	85+10
25	85+72	86+32
25	88+42	89+00
26	89+00	92+48
27	95+57	98+02
28	101+38	102+39
28	103+76	104+00

29	104+00	104+85
29	105+21	105+39
29	105+95	106+13
30	110+90	111+08
31	114+77	115+04
31	117+66	118+29
32	120+00	120+18
32	120+74	120+92
32	121+25	121+43
32	121+81	121+99
32	122+52	122+70
32	123+86	124+00
33	124+00	124+72
33	126+42	127+28
34	129+66	130+00

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.
14. CONTRACTOR IS RESPONSIBLE FOR HYDROSTATIC TESTING. CONTRACTOR SHALL FOLLOW REQUIREMENTS OF WWSD STANDARD SECTIONS 3.11, 3.12, AND 3.13.
15. CONTRACTOR IS RESPONSIBLE FOR DISINFECTION. FOR PIPE DISINFECTION, CONTRACTOR IS RESPONSIBLE TO FOLLOW WWSD STANDARD SECTION 3.10. FOR TANK DISINFECTION, CONTRACTOR IS RESPONSIBLE TO FOLLOW CDPHE DESIGN CRITERIA FOR POTABLE WATER SYSTEMS 7.0.18 IN ACCORDANCE WITH AWWA STANDARD C652 AND SECTION 2.15. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DISINFECTION WASTEWATER DISCHARGE WITH OWNER AND ENGINEER PRIOR TO DISCHARGING. CONTRACTOR SHALL FOLLOW WWSD STANDARD 3.10. PER WWSD STANDARD GRANULAR POWDER SHALL NOT BE USED FOR DISINFECTION OF WATER MAINS, UNLESS SPECIFICALLY DIRECTED BY THE INSPECTOR.

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

1. 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.
2. 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).
3. 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

4. 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.
5. 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.

GARVER

© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

COLORADO LICENSED  
PAUL M. BAUMSCHNIG  
0059830  
PROFESSIONAL ENGINEER

12/07/2022

BY				
DESCRIPTION				
DATE				
REV.				

Widfield

Water and Sanitation District

WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST  
TRANSMISSION LINE

GENERAL NOTES

JOB NO.: 21W23110  
DATE: DECEMBER 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-G004**  
SHEET NUMBER **04**

EPC 2/14/2023



File: L:\202\12\1W23110 - WWSDD UW2E CMARDrawings\WWSDD UW CMAR - 01 - G004.dwg, Last Save: 12/22/2022 11:38 AM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S, Plot Style: AEOnorio.ctb Plot Scale: 1"=1' Plot Date: 12/22/2022 11:39 AM Plotter used: DWG To PDF.pc3

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD) – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. 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.
8. 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.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
10. 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.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. 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.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DOT AND MUTCD CRITERIA. [IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTES WILL BE PROVIDED.]
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DOT, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. 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.

ELECTRICAL NOTES:


1. THESE NOTATIONS ARE INTENDED TO BE GENERAL IN NATURE. THEY MAY OR MAY NOT APPLY TO SOME OR ALL OF THE PLAN SHEETS AND SPECIFICATIONS.
2. ALL RACEWAYS AND EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL CODES.
3. CONDUIT RUNS INDICATED ON THE PLAN SHEETS ARE INTENDED TO BE SCHEMATIC ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD ROUTING ALL CONDUIT RUNS AND SHALL COORDINATE ANY DEVIATION FROM ROUTING AS INDICATED HEREIN WITH THE ENGINEER. ALL CONDUIT SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT CONFLICTS WITH EQUIPMENT. EXPOSED CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BEAMS OR STRUCTURAL CONDITIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD ROUTING ALL CONDUITS NOT INDICATED ON THE PLAN SHEETS. THIS INCLUDES CIRCUITS FOR LIGHTING, RECEPTACLES AND OTHER MISCELLANEOUS EQUIPMENT CIRCUITS.
5. ALL CONDUITS SHALL BE ROUTED AND SUPPORTED IN SUCH A MANNER AS TO NOT COMPROMISE THE STRUCTURAL INTEGRITY OF WALLS, FLOORS, CEILINGS, AND ROOFS. WHERE REQUIRED, THE CONTRACTOR SHALL PROVIDE ADDITIONAL STRUCTURAL SUPPORTING MEMBERS FOR THE INSTALLATION AND SHALL COORDINATE SUCH MEMBERS WITH ENGINEER.
6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF CONDUIT ENTRANCES FOR ALL EQUIPMENT WITH SHOP DRAWINGS BEFORE STUBBING UP CONDUITS.
7. ALL SURFACE MOUNTED PANELS AND PANELBOARDS ON THE INTERIOR OF EXTERIOR WALLS OR IN OTHER LOCATIONS CONSIDERED DAMP OR WET SHALL BE MOUNTED SO AS TO MAINTAIN A 1/4" MINIMUM AIR SPACE BETWEEN THE ENCLOSURE AND THE WALL.
8. PULLBOXES, IF SHOWN ON THE PLANS, ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL PROVIDE ADDITIONAL PULLBOXES WHERE REQUIRED TO MAKE A WORKABLE INSTALLATION.
9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS WHETHER OR NOT THEY ARE REFERENCED ON THE DRAWINGS.
10. ALL CONDUIT RUNS PASSING THROUGH EXPANSION JOINTS SHALL HAVE EXPANSION OR EXPANSION AND DEFLECTION TYPE FITTINGS. FOR LOCATIONS OF EXPANSION JOINTS, REFER TO THE STRUCTURAL DRAWINGS.
11. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUITS REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. IF EQUIPMENT SUPPLIED BY THE MANUFACTURER HAS A LARGER LOAD THAN THE VALUE SHOWN OR INDICATED, THE CABLE, CONDUIT AND ELECTRICAL EQUIPMENT MAY BE ENLARGED AS REQUIRED TO ACCOMMODATE THE HIGHER LOADING. HOWEVER, THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS.
12. ALL MOTOR STARTER CONTROL POWER TRANSFORMERS SHALL BE SIZED TO PROVIDE SUFFICIENT VOLT-AMPERE CAPACITY FOR OPERATING ALL LOCAL AND REMOTE ELECTRICAL DEVICES ASSOCIATED WITH CONTROL OF THE MOTOR IN ADDITION TO

THE STARTER COIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL LOADING REQUIREMENTS FOR CONTROL POWER TRANSFORMERS.

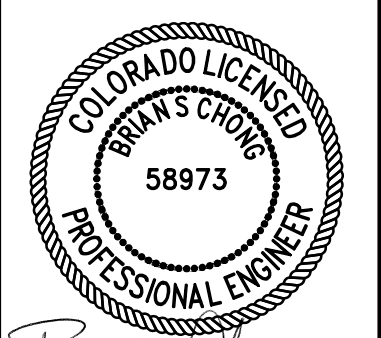
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPERLY SIZED STARTER OVERLOADS FOR ALL EQUIPMENT INSTALLED.
14. MOTOR CONTROL CENTERS AND ALL FREE STANDING PANELS SHALL BE SET ON CONCRETE HOUSEKEEPING PADS WITH LEVELING CHANNELS EMBEDDED IN THE PAD.
15. IN GENERAL, SEPARATE POWER, CONTROL AND INSTRUMENTATION WIRING. PROVIDE SEPARATE CONDUIT, PULL AND JUNCTION BOXES. PROVIDE SUITABLE CABLE BARRIER WITHIN PULL OR JUNCTION BOXES WHERE SEPARATION OF WIRING IS NOT SHOWN ON THE DRAWINGS.
16. IN AREAS WHERE THERE ARE OVERHEAD BRIDGE CRANES, HOISTS, DOORS OR OTHER SIMILAR ITEMS, NO CONDUITS SHALL BE INSTALLED IN SUCH A MANNER AS TO CONFLICT WITH PROPER OPERATION OF SUCH EQUIPMENT.
17. CONTRACTOR SHALL FURNISH AND INSTALL ITEMS AS NECESSARY FOR COMPLETE AND FUNCTIONAL SYSTEMS INCLUDING THE CHEMICAL FEED SYSTEMS, MECHANICAL SYSTEMS, AND PLANT INSTRUMENTATION SYSTEM/DISTRIBUTED CONTROL SYSTEM. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS AND OTHER SECTIONS OF THE PLANS FOR ITEMS AS MAY BE REQUIRED AND SHALL PROVIDE CONDUIT, WIRING AND TERMINATIONS FOR ALL ITEMS AS REQUIRED.
18. CONTRACTOR SHALL REFER TO OTHER PLAN SHEETS FOR LOCATIONS OF FIREWALLS. ALL CONDUIT PENETRATIONS IN THESE WALLS SHALL BE ACCOMPLISHED IN SUCH A MANNER AS TO NOT REDUCE THE RATING OF THE FIREWALL THROUGH THE USE OF BOXES, SEALANTS AND OTHER ACCESSORIES AS MAY BE REQUIRED.
19. CONTRACTOR SHALL REFER TO MECHANICAL PLAN SHEETS AND SPECIFICATIONS FOR ITEMS RELATED TO THE MECHANICAL SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ITEMS AS NECESSARY FOR COMPLETE AND OPERABLE MECHANICAL HEREIN INCLUDING, BUT NOT LIMITED TO: CONTROL POWER TRANSFORMERS, STARTERS, THERMOSTATS, CONTROL STATIONS, AND OTHER ELECTRICAL ITEMS AS RELATED TO THE INSTALLATION OF THE MECHANICAL SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DISCONNECTS FOR ALL MECHANICAL MOTORS UNLESS THE EQUIPMENT IS FURNISHED WITH AN INTEGRAL DISCONNECT FROM THE MANUFACTURER. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONDUIT, WIRING AND TERMINATIONS FOR ALL COMPONENTS AS MAY BE NECESSARY FOR THE MECHANICAL SYSTEMS.
20. ALL RECEPTACLES IN OUTDOOR AND ANTICIPATED WET AREAS SHALL BE GROUND FAULT CIRCUIT INTERRPUTER RECEPTACLES WITH WEATHERPROOF COVERS.
21. EQUIPMENT LOCKOUTS SHALL BE IN STRICT ACCORDANCE WITH OWNER'S REQUIREMENTS.
22. ALL CONDUITS SHALL HAVE A GROUNDING CONDUCTOR, SIZED PER NEC.
23. ALL LIGHTING FIXTURES INSTALLED IN INSULATED LOCATIONS SHALL BE RATED FOR SUCH INSTALLATION REGARDLESS OF THE FIXTURE SCHEDULE DESIGNATION.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF NEW SERVICE INSTALLATIONS WITH OWNER, ENGINEER AND SERVICE UTILITY. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS AS REQUIRED BY SERVICE UTILITY FOR NEW SERVICE CONNECTIONS.
25. UNLESS NOTED OTHERWISE, ALL CONTROL PANELS SHALL BE FABRICATED SUCH THAT ALL OPERATORS AND INDICATING DEVICES INDICATED ON THE SCHEMATICS BE LOCATED ON THE FRONT DOOR OR COVER OF THE PANEL. OPERATING AND INDICATING DEVICES SHALL BE VISIBLE AND OPERABLE WITHOUT HAVING TO OPEN THE CONTROL PANEL.
26. BELOW GRADE CONDUITS INDICATED ARE FOR REFERENCE ONLY; THE CONTRACTOR SHALL REVIEW PLAN SHEETS RELATED TO INDIVIDUAL STRUCTURES AND VERIFY CONDUITS THAT MAY BE REQUIRED. THE CONTRACTOR SHALL VERIFY THE NUMBER OF CONDUITS INDICATED IN THE DRAWINGS PRIOR TO INSTALLATION WITH THE ENGINEER.

STRUCTURAL NOTES:

1. GENERAL NOTES AND STANDARD DETAILS SHALL NOT REPLACE OR OVER RULE ANY STRUCTURE SPECIFIC NOTE, DETAIL, OR SPECIFICATION. STRUCTURE SPECIFIC NOTES AND DETAILS SHALL GOVERN OVER GENERAL NOTES AND STANDARD DETAILS.
2. BUILDING RISK CATEGORY----- III
3. DESIGN LIVE LOADS - 2009 IBC  
ROOF WITHOUT REDUCTION----- 20 PSF  
FLOORS:  
CORRIDORS----- 100 PSF  
ASSEMBLY AREAS----- 100 PSF  
BALCONIES----- 100 PSF  
RESTROOMS----- 80 PSF  
OFFICES----- 50 PSF  
STAIRS----- 100 PSF  
MOVABLE FILE ROOMS----- 150 PSF  
INDUSTRIAL AREAS----- 250 PSF  
EQUIPMENT ROOMS----- 250 PSF  
AREAS WITH UNRESTRICTED VEHICULAR ACCESS----- AASHTO HS20
4. WIND LOAD PARAMETERS - ASCE 7-10  
BASIC WIND SPEED----- 120 MPH  
IMPORTANCE FACTORE, I----- 1.15  
EXPOSURE CATEGORY----- C  
GCPI +/- 0.18 (ENCLOSED BUILDINGS)
5. SEISMIC DESIGN PARAMETERS -----IBC 2012  
IMPORTANCE FACTOR, I-----1.25  
SITE CLASS-----D  
SEISMIC SPECTRAL ACCELERATIONS  
S<sub>s</sub> ----- 0.176g  
S<sub>1</sub> ----- 0.096g  
SEISMIC DESIGN CATEGORY----- C  
DESIGN SPECTRAL ACCELERATIONS  
S<sub>ps</sub>----- 0.188g  
S<sub>d1</sub>----- 0.154g  
RESPONSE MODIFICATION FACTOR, R-----SEE INDIVIDUAL PLANS  
BASIC SEISMIC FORCE RESISTING SYSTEM-----SEE INDIVIDUAL PLANS  
SEISMIC RESPONSE COEFFICIENT, C<sub>s</sub>-----SEE INDIVIDUAL PLANS  
ANALYSIS PROCEDURE-----EQUIVALENT LATERAL FORCE
6. SNOW LOADS PARAMETERS ----- ASCE 7-10  
GROUND SNOW LOAD, P<sub>G</sub> ----- 10 PSF  
IMPORTANCE FACTOR, I ----- 1.10  
EXPOSURE FACTOR, C<sub>e</sub> ----- 0.90  
THERMAL FACTOR, C<sub>T</sub> ----- 1.0  
SLOPED ROOF SNOW LOAD, P<sub>S</sub> ----- 10 PSF
7. THE STRUCTURE SHOULD NOT BE CONSIDERED TO BE STABLE DURING CONSTRUCTION UNTIL ALL ELEMENTS ARE IN PLACE AND CONNECTED. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING ALL TEMPORARY CONSTRUCTION BRACING, AS REQUIRED.
8. CONSTRUCTION METHODS, PROCEDURES, AND SEQUENCES ARE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL TAKE THE ALL NECESSARY MEANS TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION, NEW AND EXISTING, AT ALL STAGES.
9. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO ANY PERTINENT WORK. ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE NOTED ON THE SHOP DRAWINGS.
10. COORDINATE WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, STRUCTURAL, AND ELECTRICAL DRAWINGS, AND VERIFY THE LOCATIONS AND SIZES OF THE CHASES, OPENING, INSERTS, SLEEVES, FINISHES, CONDUITS, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS.
11. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE DRAWINGS AND EXISTING CONDITIONS TO DETERMINE WHERE OPENINGS ARE REQUIRED IN WALLS AND SLABS.
12. STANDARD DETAILS APPLY UNLESS INDICATED OTHERWISE ON SPECIFIC STRUCTURE DRAWINGS.




© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



*Brian's Chong*  
DIGITALLY SIGNED: 12/22/22

BY				
DESCRIPTION				
DATE				
REV.				



WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

STRUCTURAL AND ELECTRICAL NOTES

JOB NO.: 21W23110  
DATE: DECEMBER 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-G005**

SHEET NUMBER  
**05**




File: L:\2021\21W23110 - WWS&D UW2E CMARDrawings\WWS&D UM CMAR - 05- C327.dwg, Last Save: 11/7/2022 4:02 PM Last saved by: UOPerez  
Last plotted by: Martinez, Ervin S, Plot Style: AECmonro.ctb Plot Date: 12/5/2022 1:53 PM Plotter used: None


TABULATION OF PROPERTIES			
PAR CEL NO.	OWNER(S)	PROPERTY ADDRESS*	LEGAL DESCRIPTION /RECEPTION NO.
1	GARCIA STEPHEN W / GARCIA LUZ	7050 METROPOLITAN ST	LOT 11, BLOCK 1 (R1)
2	FIORILLO MICHAEL T	7040 METROPOLITAN ST	LOT 10, BLOCK 1 (R1)
3	HALLIGAN JEFFERY PAUL II / HALLIGAN CHRISTINA	7030 METROPOLITAN ST	LOT 9, BLOCK 1 (R1)
4	ST LOUIS FRANKLYN P / ST LOUIS JODY J	7020 METROPOLITAN ST	LOT 8, BLOCK 1 (R1)
5	WIDFIELD WATER AND SANITATION DISTRICT	7010 METROPOLITAN ST	REC. NO. 203047157
6	WIDFIELD WATER AND SANITATION DISTRICT	METROPOLITAN ST	TRACT D (R1)
7	WEST ADAM L / WEST MELANIE J	6990 METROPOLITAN ST	LOT 7, BLOCK 1 (R1)
8	GOURLEY MICHAEL	6974 METROPOLITAN ST	LOT 6, BLOCK 1 (R1)
9	CANADA SANTIAGO H / HERNANDEZ SUZANNE E	6958 METROPOLITAN ST	LOT 5, BLOCK 1 (R1)
10	DIAMANT ENTERPRISES LLC	6942 METROPOLITAN ST	LOT 4, BLOCK 1 (R1)
11	CREEDON DANIEL	6926 METROPOLITAN ST	LOT 3, BLOCK 1 (R1)
12	JACELON KARIN K	6910 METROPOLITAN ST	LOT 2, BLOCK 1 (R1)
13	JACELON KARIN K, ET AL.	6880 METROPOLITAN ST	LOT 29, BLOCK 2 (R1)
14	SCHMIDT KATHRYN L	6874 METROPOLITAN ST	LOT 28, BLOCK 2 (R1)
15	SALAZAR PAMELA / SALAZAR FRANCIS JR	6868 METROPOLITAN ST	LOT 27, BLOCK 2 (R1)
16	DECARR CHASE MITCHEL	6862 METROPOLITAN ST	LOT 26, BLOCK 2 (R1)
17	RIEHL MATTHEW	6856 METROPOLITAN ST	LOT 25, BLOCK 2 (R1)
18	ABRAMSON WANDA L	6850 METROPOLITAN ST	LOT 24-A (R2)
19	COSGROVE KYLE WESLEY / KHIELIANNA C	6844 METROPOLITAN ST	LOT 23-A (R2)
20	COLL CHRISTOPHER	6838 METROPOLITAN ST	LOT 22, BLOCK 2 (R1)
21	MCCANTS ILSE J	6832 METROPOLITAN ST	LOT 21, BLOCK 2 (R1)
22	TINKLE LARRY W / NANCY J	6826 METROPOLITAN ST	LOT 20, BLOCK 2 (R1)
23	MONEY ROBERTS S / LEANN	6820 METROPOLITAN ST	LOT 19, BLOCK 2 (R1)
24	RICH SHARON	6814 METROPOLITAN ST	LOT 18, BLOCK 2 (R1)
25	HUDEPOHL STEVEN	6808 METROPOLITAN ST	LOT 17, BLOCK 2 (R1)
26	GIBSON FORREST	6802 METROPOLITAN ST	LOT 16, BLOCK 2 (R1)
27	GIBSON FORREST J	6790 METROPOLITAN ST	LOT 15, BLOCK 2 (R1)
28	GIBSON FORREST J	6780 METROPOLITAN ST	LOT 14, BLOCK 2 (R1)
29	JACKSON ROBERT C / MARTHA M	6770 METROPOLITAN ST	LOT 13, BLOCK 2 (R1)
30	PETERIE CHARLES A / LAURA J	6760 METROPOLITAN ST	LOT 12, BLOCK 2 (R1)
31	WHITE ANTHONY	6750 METROPOLITAN ST	LOT 11, BLOCK 2 (R1)
32	WILLOUGHBY DAVID W / TRINIDAD	6740 METROPOLITAN ST	LOT 10, BLOCK 2 (R1)
33	DASUGO ERNEST SR	6730 METROPOLITAN ST	LOT 9, BLOCK 2 (R1)
34	CAPALDI JENNIFER / VINYARD DONNA	6720 METROPOLITAN ST	LOT 8, BLOCK 2 (R1)
35	HAMILTON ANGELA	6710 METROPOLITAN ST	LOT 7, BLOCK 2 (R1)
36	BALLARD KARIN U	6690 METROPOLITAN ST	LOT 6, BLOCK 2 (R1)
37	TRL PARTNERSHIP	6680 METROPOLITAN ST	LOT 5, BLOCK 2 (R1)
38	KRUMINS EGON M	6670 METROPOLITAN ST	LOT 4, BLOCK 2 (R1)
39	PLETT GREGORY LOREN / LINDA-ROCIO GARCIA	6660 METROPOLITAN ST	LOT 3, BLOCK 2 (R1)
40	BLACK SUSAN A	6650 METROPOLITAN ST	POR. LOT 2, BLOCK 2 (R1) REC. NO. 220042784
41	SNIDDER VALERIE J	6640 METROPOLITAN ST	POR. LOT 1, BLOCK 2 (R1) REC. NO. 217057212
42	WIDFIELD LAND INVESTMENT LLC	METROPOLITAN ST	REC. NO. 202101841
43	KOWALLIS ARYLL / TERI	7045 METROPOLITAN ST	LOT 18, BLOCK 3 (R1)
44	HARDNETT ROOSEVELT JR / LILLIE V	7025 METROPOLITAN ST	LOT 17, BLOCK 3 (R1)
45	BODEN LARRY B / NANCY I	7015 METROPOLITAN ST	LOT 16, BLOCK 3 (R1)
46	VILLARREAL ROBERT	7005 METROPOLITAN ST	LOT 15, BLOCK 3 (R1)
47	MARTIN HENRY W / ROSA L	6989 METROPOLITAN ST	LOT 14 BLOCK 3 (R1)

TABULATION OF PROPERTIES			
PAR CEL NO.	OWNER(S)	PROPERTY ADDRESS*	LEGAL DESCRIPTION /RECEPTION NO.
48	SANDOVAL CHRISTOPHER	6975 METROPOLITAN ST	LOT 13, BLOCK 3 (R1)
49	FRAIZER-KWIATKOWSKI / DONNA D	6961 METROPOLITAN ST	LOT 12, BLOCK 3 (R1)
50	ELDRIDGE STEWART C / JOANNE	6947 METROPOLITAN ST	LOT 11, BLOCK 3 (R1)
51	APEL PATRICIA M	6933 METROPOLITAN ST	LOT 10, BLOCK 3 (R1)
52	STANTON DAVID / TAMARA	6919 METROPOLITAN ST	LOT 9, BLOCK 3 (R1)
53	SHELL GEORGE W / LINDA R WOODEN	6905 METROPOLITAN ST	LOT 8 BLOCK 3 (R1)
54	MARK J / TINA T	6885 METROPOLITAN ST	LOT 7, BLOCK 3 (R1)
55	SMITH ADAM L	6881 METROPOLITAN ST	LOT 6, BLOCK 3 (R1)
56	LERDALL KAITLYN NICOLE / BROCK STEPHEN	6877 METROPOLITAN ST	LOT 5 BLOCK 3 (R1)
57	WEISENFLUH LIVING TRUS, ET AL.	6873 METROPOLITAN ST	LOT 4, BLOCK 3 (R1)
58	LEBEAU MOK TAN	6865 METROPOLITAN ST	LOT 3 BLOCK 3 (R1)
59	PHELPS FAMILY TRUST	6855 METROPOLITAN ST	LOT 2, BLOCK 3 (R1)
60	MARSHALL GEORGE W / BARBARA J	6835 METROPOLITAN ST	LOT 1, BLOCK 3 (R1)
61	BAEZA JOSE A JR / AVEZZIE NOLAN M	6815 METROPOLITAN ST	LOT 36, BLOCK 3 (R1)
62	HARVEY GENE A	6825 METROPOLITAN ST	LOT 16, BLOCK 5 (R1)
63	ARMOUR ALFRED H JR / VERNICE D	6810 METROPOLITAN ST	LOT 15, BLOCK 5 (R1)
64	VIGO CARLOS J / HELGA M	6805 METROPOLITAN ST	LOT 18, BLOCK 4 (R1)
65	FORWARD JOHN	6785 METROPOLITAN ST	LOT 17, BLOCK 4 (R1)
66	DZIDUCH MITCHELL J	6775 METROPOLITAN ST	LOT 16, BLOCK 4 (R1)
67	ARMENTA HEATHER RENEE	6765 METROPOLITAN ST	LOT 15, BLOCK 4 (R1)
68	MEDINA KATIE / MATTHEW	6755 METROPOLITAN ST	LOT 14, BLOCK 4 (R1)
69	KIRKWOOD CEDRICK / KIMBERLY R	6735 METROPOLITAN ST	LOT 13, BLOCK 4 (R1)
70	WASHINGTON KENT E / ETHYLIN P L	6715 ASHLAND PL	LOT 1, BLOCK 4 (R1)
71	STEWART CHRISTINE	6705 DEFOE AVE	LOT 1, BLOCK 7 (R3)
72	VALLEJO LAURIE A / THOMAS	6710 DEFOE AVE	LOT 7, BLOCK 9 (R3)
73	SUHR DELWYN A / GABRILE M	6759 METROPOLITAN ST	LOT 6, BLOCK 9 (R3)
74	MOODY CHRISTOPHER R	6639 METROPOLITAN ST	LOT 1, BLOCK 9 (R3)
75	BANNISTER RICHARD L / TAMARA D	6851 KETCHUM DR	LOT 25 (R4)
76	BELL ROBIN D / CARRIE M	6850 KETCHUM DR	LOT 1 (R4)
77	BOARD OF COUNTY COMMISSIONERS EL PASO COUNTY	METROPOLITAN ST	REC. NO. 201035245
78	SUNDOWNER TOWNHOMES HOMEOWNERS ASSOC INC.	FOUNTAIN BLVD	POR. OF (R5) REC. NO. 1349785
79	WENGER JASON / ERIKA B	6982 KETCHUM DR	LOT 22 (R4)
80	SMITH JUDY A / DENTON E	6988 KETCHUM DR	LOT 23 (R4)
81	MARTINDALE JASON DAVID / STACY ANN	6994 KETCHUM DR	LOT 24 (R4)
82	WILLIAMS GISELA M	7006 KETCHUM DR	LOT 55 (R6)
83	RUDD KYLE E	7012 KETCHUM DR	LOT 54 (R6)
84	MCKELLAR LORI M	7018 KETCHUM DR	LOT 53 (R6)
85	PEARCE DANIEL V / MEGAN L	7024 KETCHUM DR	LOT 52 (R6)
86	FOX BRYAN CRAIG JR	7030 KETCHUM DR	LOT 51 (R6)
87	WHITE WESLEY G	7036 KETCHUM DR	LOT 50 (R6)
88	MERRILL EDWARD M	7042 KETCHUM DR	LOT 49 (R6)
89	OLIPHANT MICHAEL LYNN II	7048 KETCHUM DR	LOT 48 (R6)
90	KOLLN KEVIN M / CHRISTINA P	7054 KETCHUM DR	LOT 47 (R6)
91	VIGIL ALFRED A III / DANIELLE C	7060 KETCHUM DR	LOT 46 (R6)
92	ROBERTS THOMAS E / JEANNETTE M	7066 KETCHUM DR	LOT 45 (R6)
93	NORMAN TERRY P / KELLY S	7072 KETCHUM DR	LOT 44 (R6)

EPC 2/14/2023



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



12/07/2022

REV.	DATE	DESCRIPTION	BY



WIDFIELD WATER  
AND SANITATION  
DISTRICT

WIDEFIELD, COLORADO

UPPER WEST TO EAST  
TRANSMISSION LINE

TABULATION OF  
PROPERTIES

JOB NO.: 21W23110  
DATE: DECEMBER 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-G006**


SHEET  
NUMBER **06**



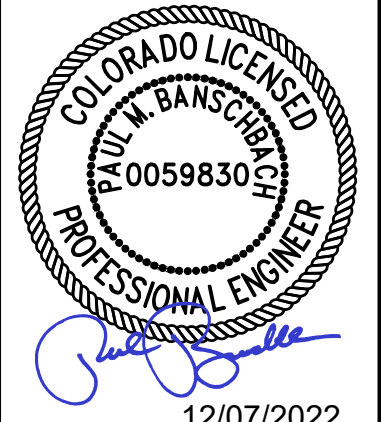
File: L:\2021\12\10\23110 - WWS&D UW2E CMARDrawings\WWS&D UM CMAR - 05- C327.dwg, Last Save: 11/7/2022 4:02 PM Last saved by: UOPerez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Date: 12/5/2022 1:54 PM Plotter used: None

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



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.




12/07/2022

BY

DESCRIPTION

DATE

REV.



WIDEFIELD WATER  
AND SANITATION  
DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST  
TRANSMISSION LINE

TABULATION OF  
PROPERTIES

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

BAR IS ONE INCH ON  
ORIGINAL DRAWING  
1"

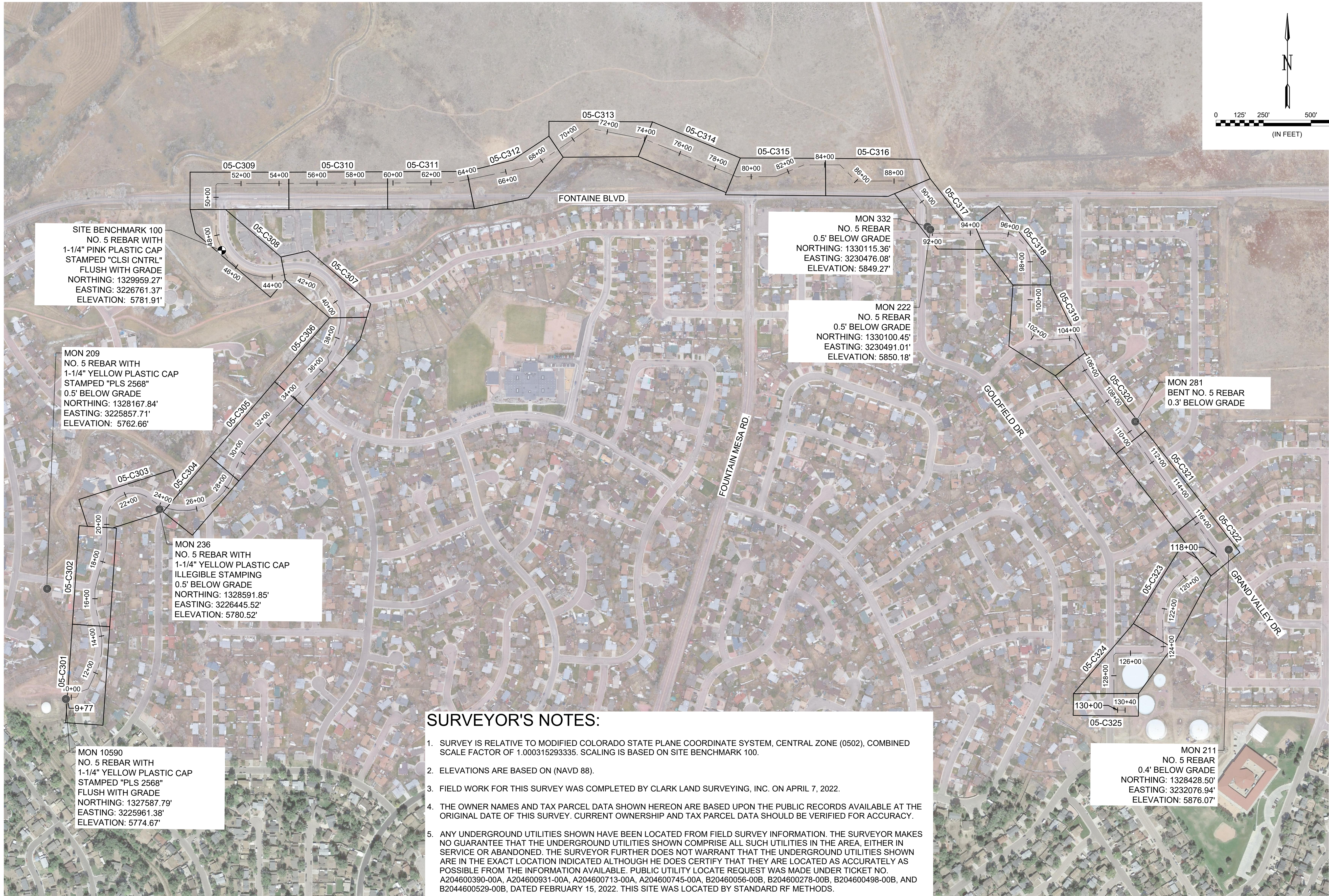
IF NOT ONE INCH ON THIS SHEET,  
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-G007**

SHEET  
NUMBER **07**



File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UW CMAR - 05-C101.dwg, Last Save: 11/7/2022 4:03 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AEOnmon.ctb Plot Date: 12/5/2022 2:01 PM Plotter used: None



### 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 B2044600529-00B, DATED FEBRUARY 15, 2022. THIS SITE WAS LOCATED BY STANDARD RF METHODS.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



12/07/2022

REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER  
AND SANITATION  
DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST  
TRANSMISSION LINE

### OVERALL KEY MAP

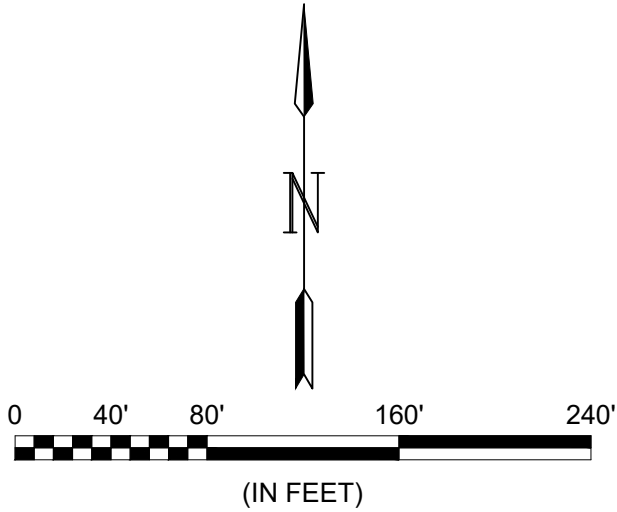
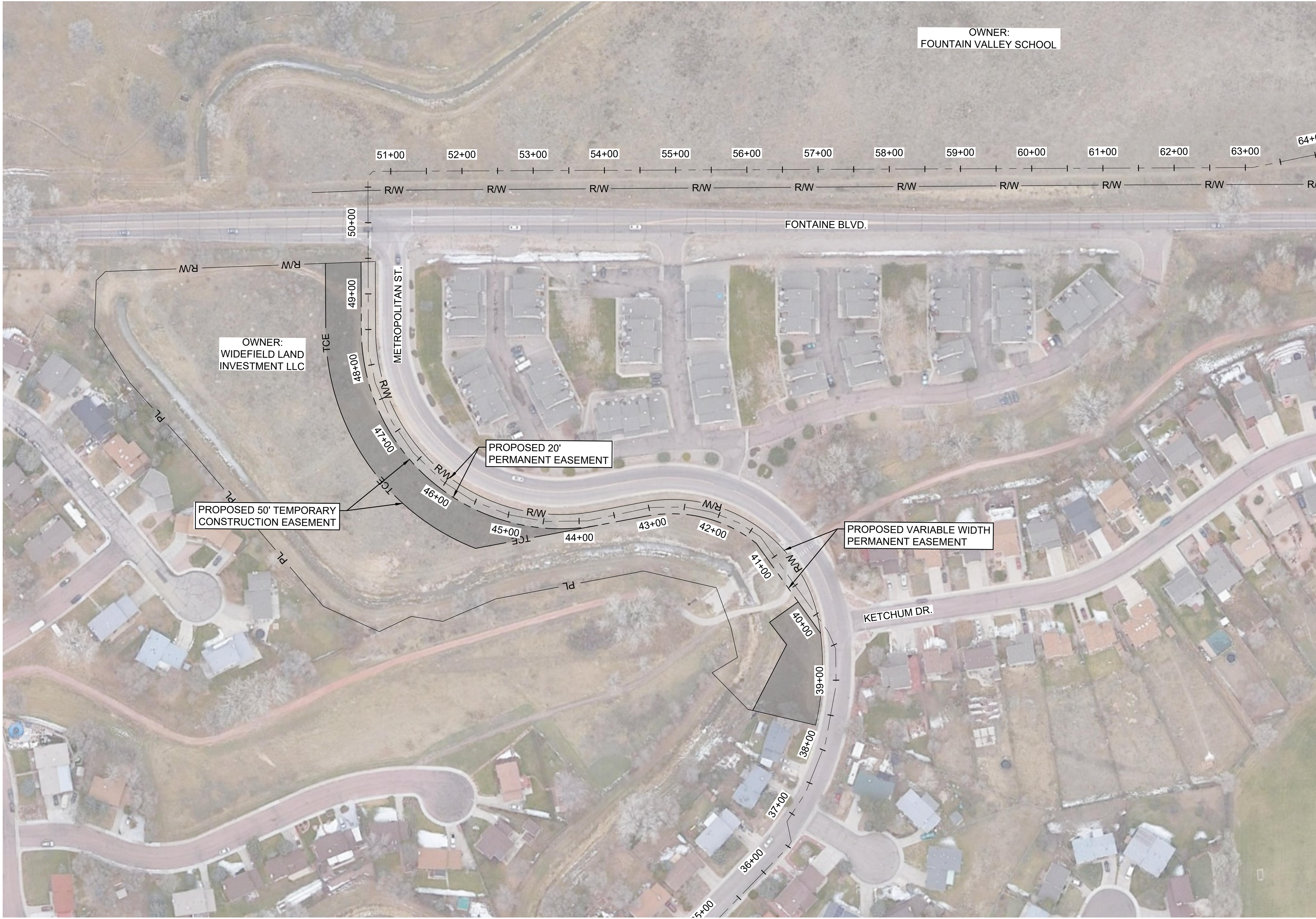
JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

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

DRAWING NUMBER  
**05-C101**  
SHEET  
NUMBER **08**




File: L:\202\12\1W23110 - WWSD UW2E CMARDrawings\EXHIBITS\Exhibit\_ESMT\_001.dwg Last Save: 11/7/2022 4:03 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Date: 12/5/2022 2:02 PM Plotter used: None




- LEGEND**
- = PROPOSED PERMANENT EASEMENT
  - = PROPOSED TEMPORARY CONSTRUCTION EASEMENT

- GENERAL NOTES :**
- FOR LEGAL DESCRIPTIONS AND CONTROL POINTS INFORMATION, REFER TO DRAWING NUMBER 05-C101 AND CORRESPONDING DRAWING NUMBERS.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2023

REV.	DATE	DESCRIPTION	BY



WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

WIDEFIELD LAND INVESTMENT LLC  
PROPOSED EASEMENT LAYOUT

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

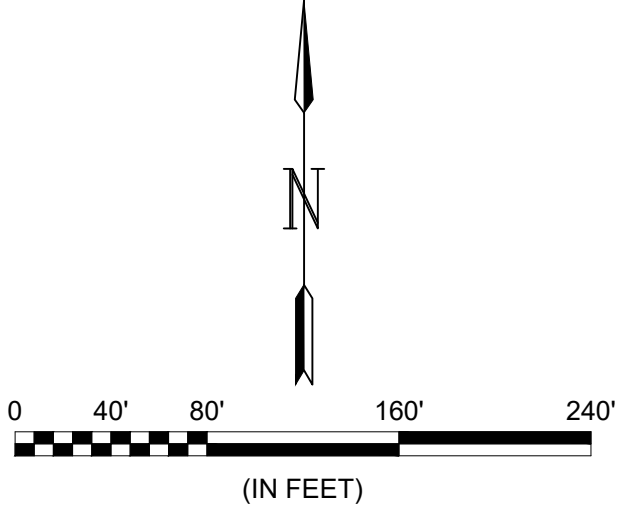
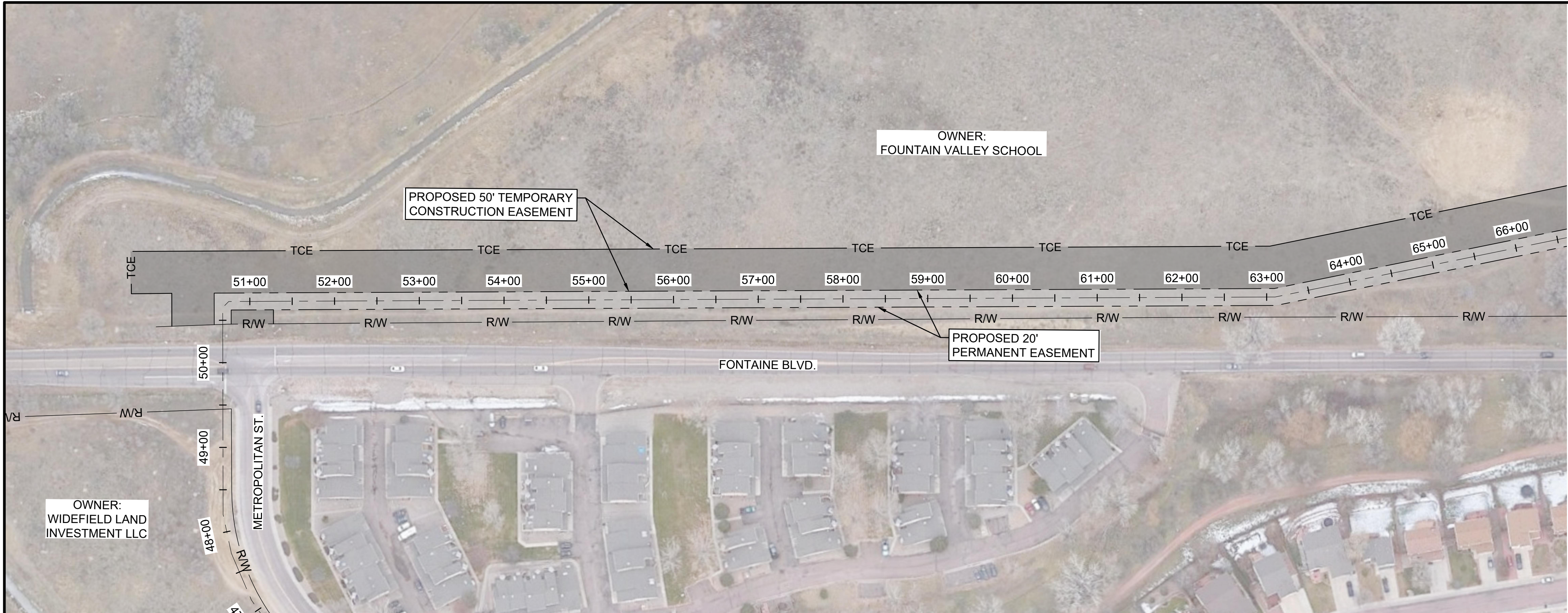
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C102**

SHEET NUMBER  
**09**

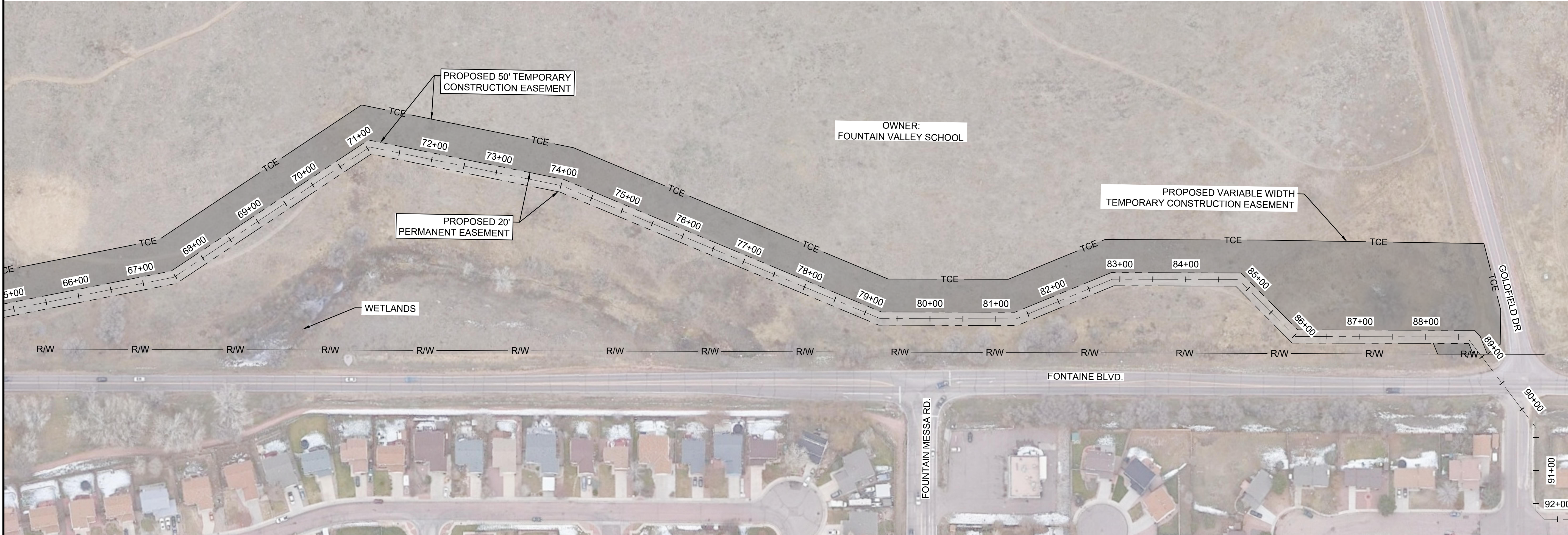



File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\EXHIBITS\Exhibit ESMT\_002.dwg, Last Save: 11/7/2022 4:03 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AEOnono.ctb Plot Scale: 1:25449 Plot Date: 12/5/2022 2:02 PM Plotter used: None



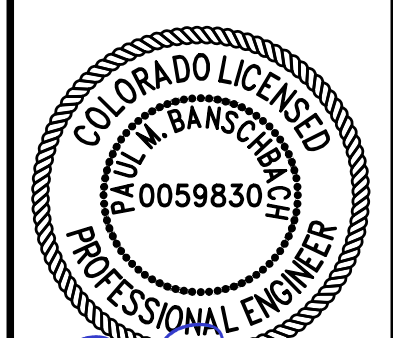
- LEGEND**
- = PROPOSED PERMANENT EASEMENT
  - TCE = PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- GENERAL NOTES:**
- FOR LEGAL DESCRIPTIONS AND CONTROL POINTS INFORMATION, REFER TO DRAWING NUMBER 05-C101 AND CORRESPONDING DRAWING NUMBERS.

EPC 2/14/2023






© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

REV.	DATE	DESCRIPTION	BY



WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

FOUNTAIN VALLEY SCHOOL PROPOSED EASEMENT LAYOUT

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

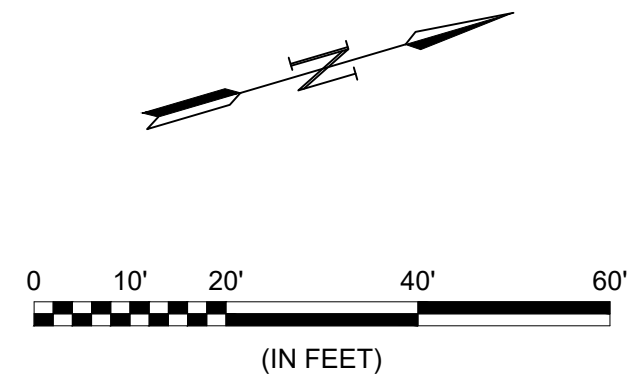
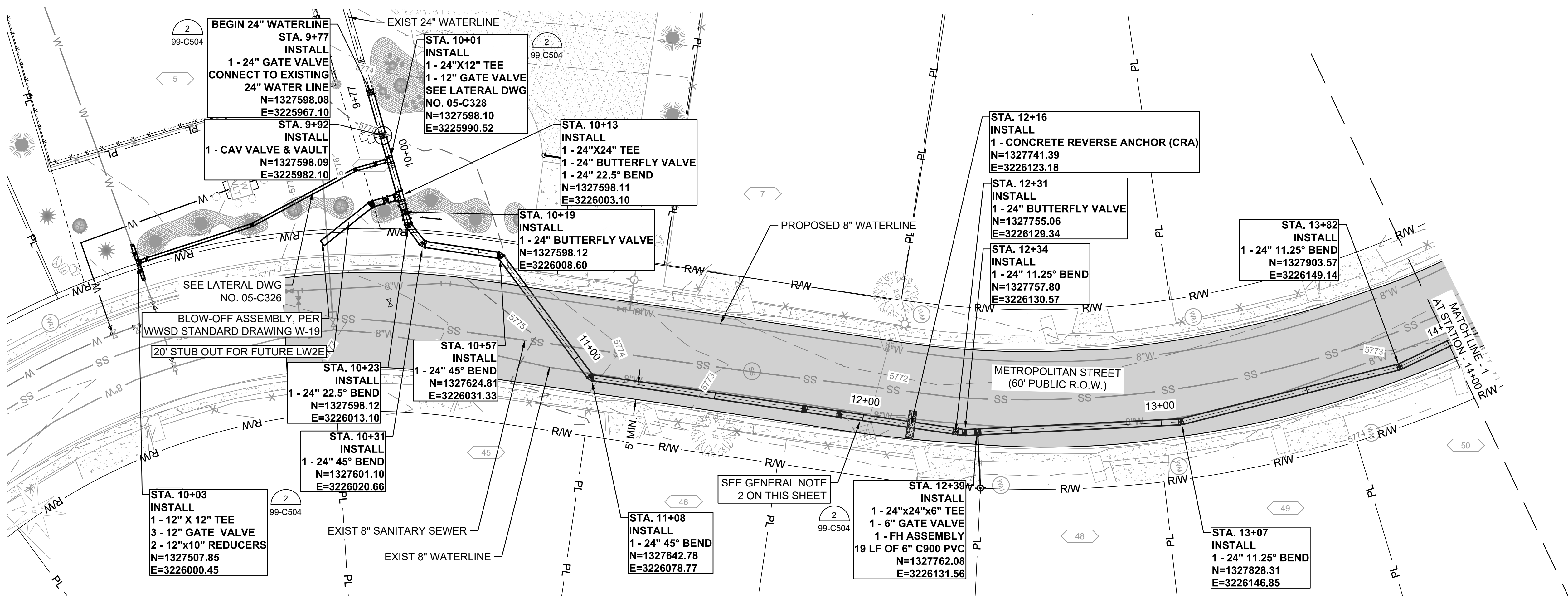
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C103**

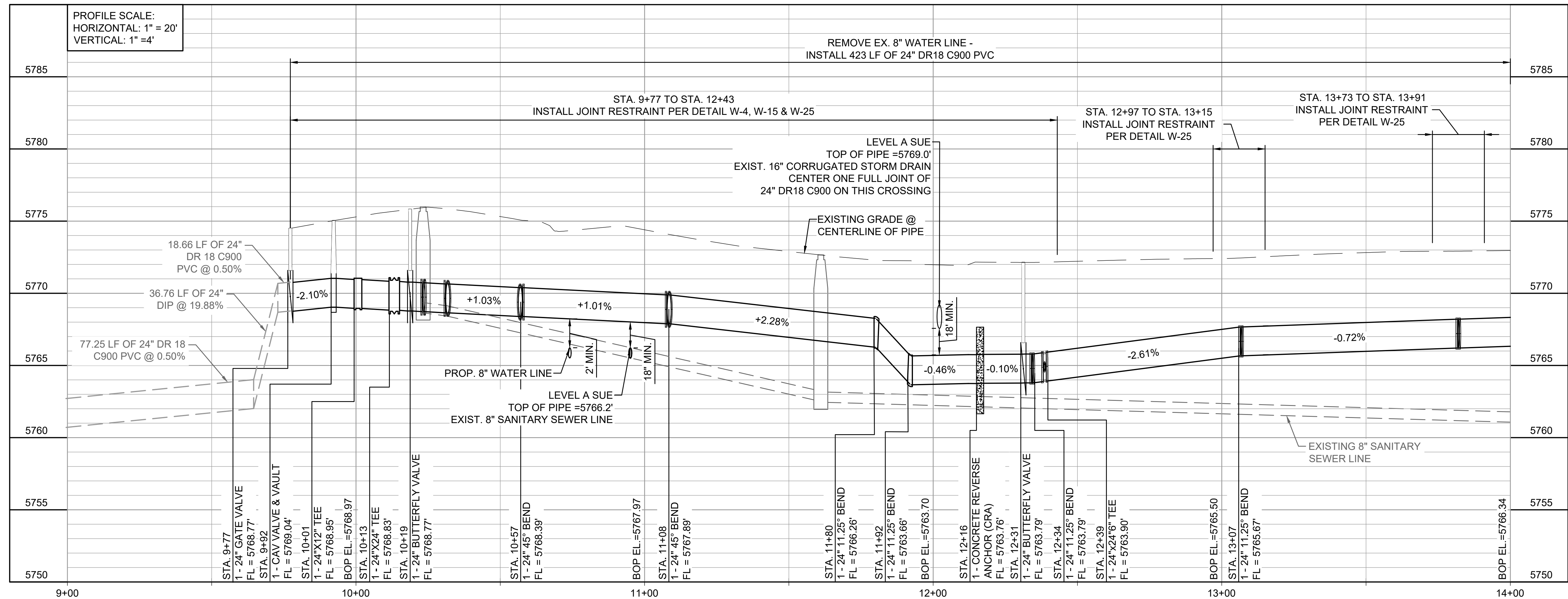
SHEET NUMBER  
**10**



File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05-C301.dwg, Last Save: 11/17/2022 8:32 AM, Last saved by: FJChavez  
Last plotted by: Martinez, Ervin S, Plot Style: AECmonochrome.ctb, Plot Date: 12/5/2022 2:06 PM, Plotter used: None



- GENERAL NOTES:**
1. CONTRACTOR TO COORDINATE WITH OWNER AND OTHERS FOR CONSTRUCTION INTERFACE AND SEQUENCE AT THE BOOSTER STATION.
  2. CONTRACTOR SHALL PROTECT AND SUPPORT EXISTING STORM AND SANITARY SEWERS, AND PROVIDE ADEQUATE PROTECTION FOR THE PROPOSED 24" WATER LINE. PRIOR TO EXCAVATION, CONTRACTOR SHALL SUBMIT DETAILS AND PLAN FOR OWNER AND ENGINEER APPROVAL.



EPC 2/14/2023



THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

BY	DESCRIPTION	DATE	REV.

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

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

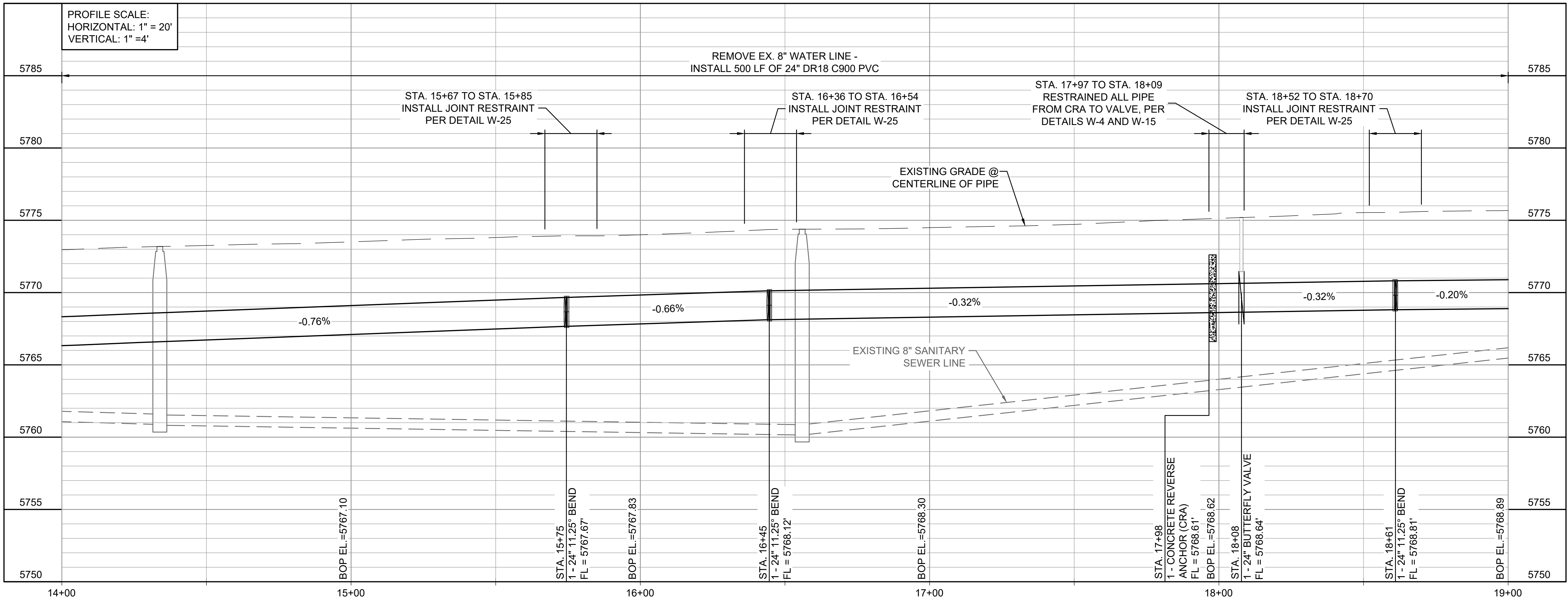
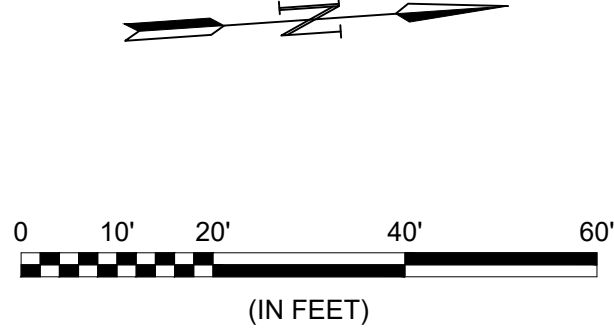
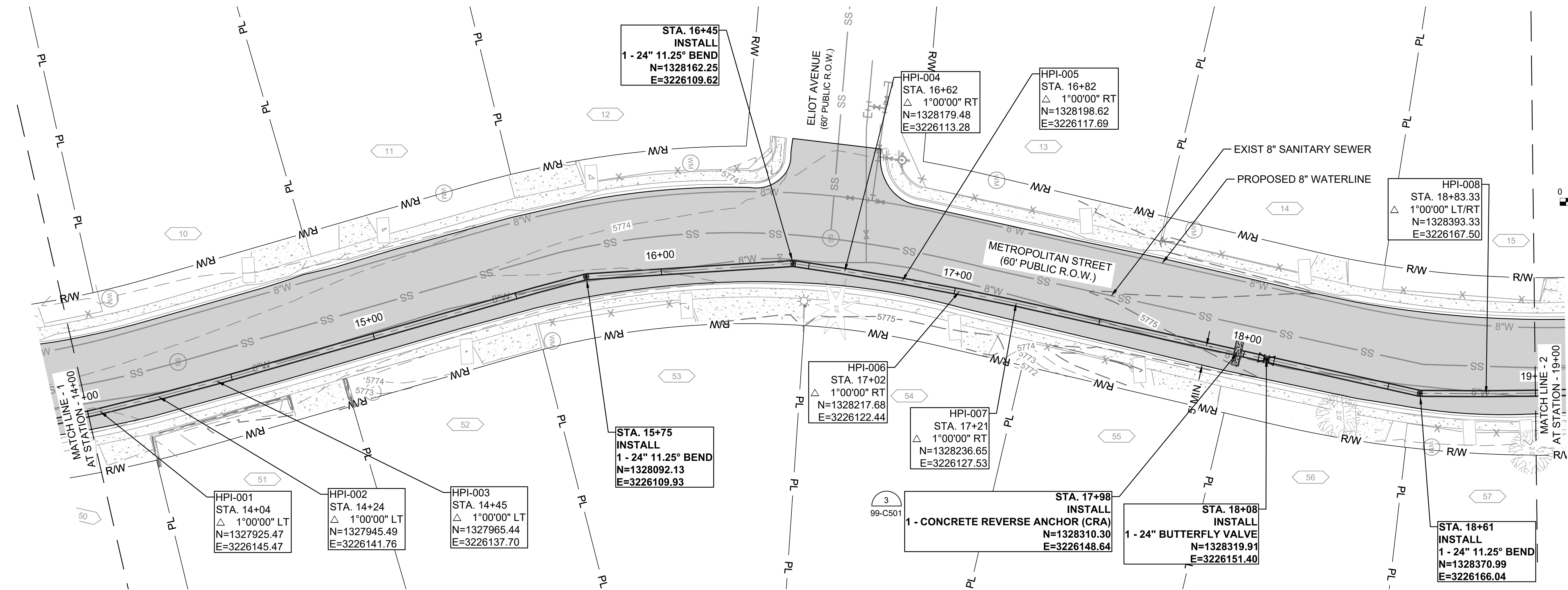
JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

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

DRAWING NUMBER  
**05-C301**  
SHEET NUMBER  
**11**



File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05- C302.dwg, Last Save: 11/7/2022 4:03 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Date: 12/5/2022 2:10 PM Plotter used: None



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

12/07/2022

BY				
DESCRIPTION				
DATE				
REV.				

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: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

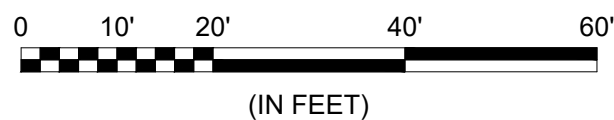
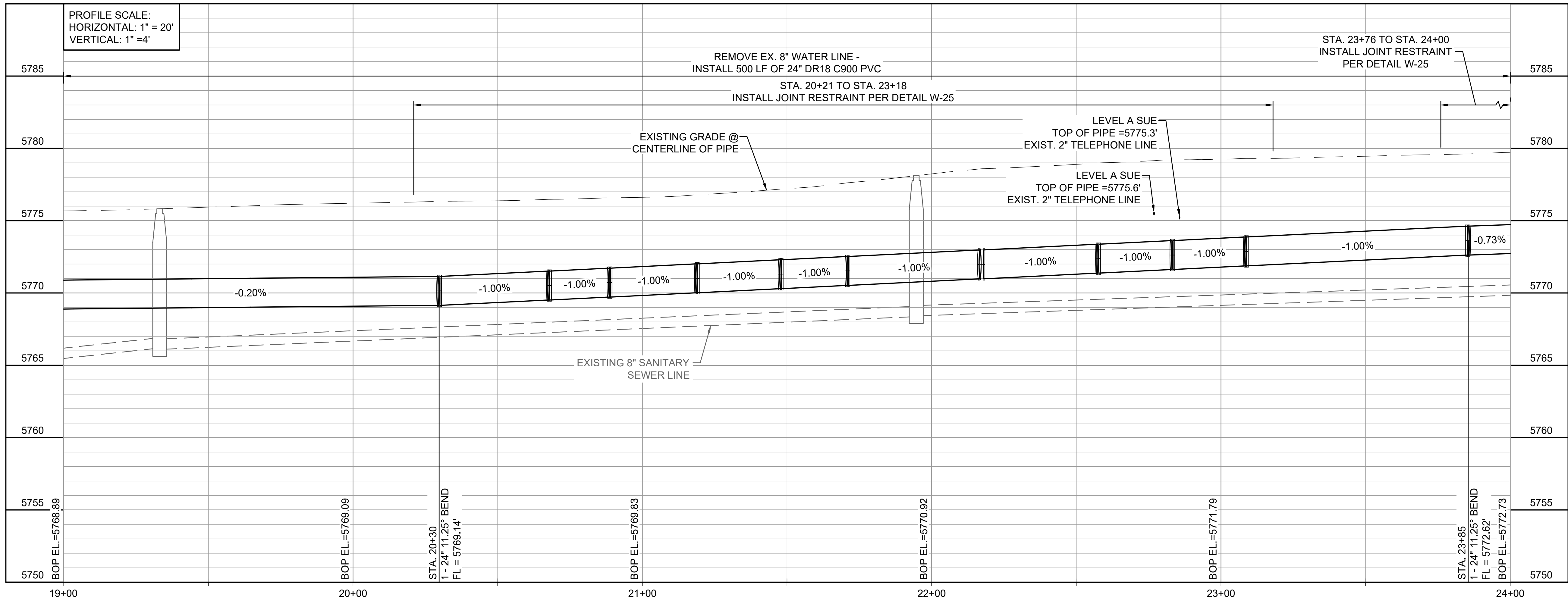
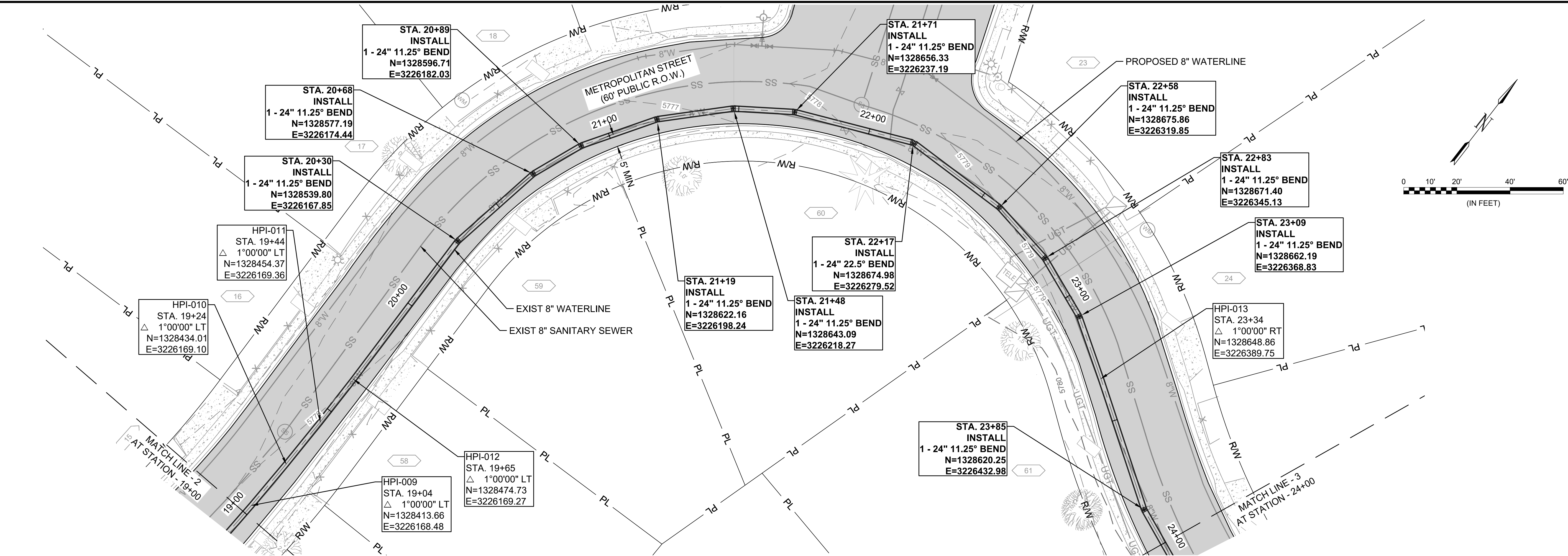
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C302**

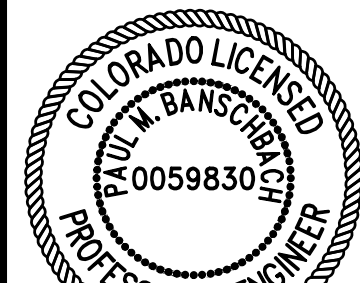
SHEET NUMBER  
**12**



File: L:\2021\12\12\2110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05- C303.dwg, Last Save: 11/7/2022 4:03 PM, Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S, Plot Style: AECmonochrome.ctb, Plot Date: 12/5/2022 2:14 PM, Plotter used: None



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



12/07/2022

REV.	DATE	DESCRIPTION	BY



WIDEFIELD WATER  
AND SANITATION  
DISTRICT  
WIDEFIELD, COLORADO

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

JOB NO.: 21W23110  
DATE: DECEMBER 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-C303**

SHEET  
NUMBER **13**

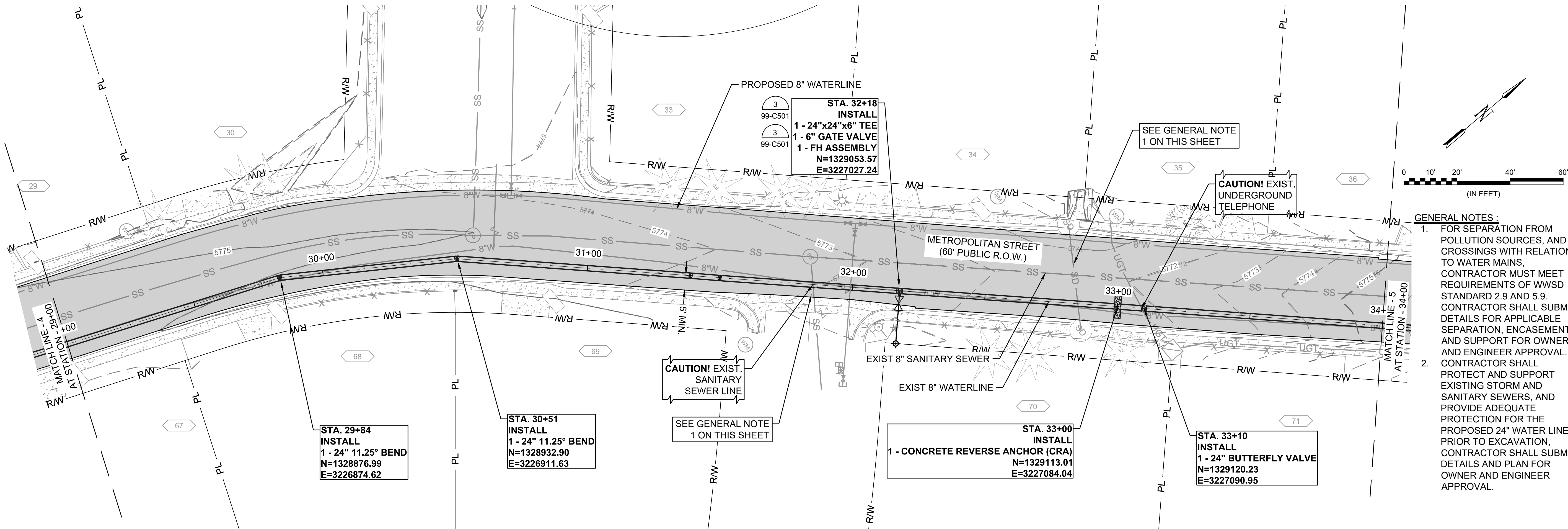
EPC 2/14/2023



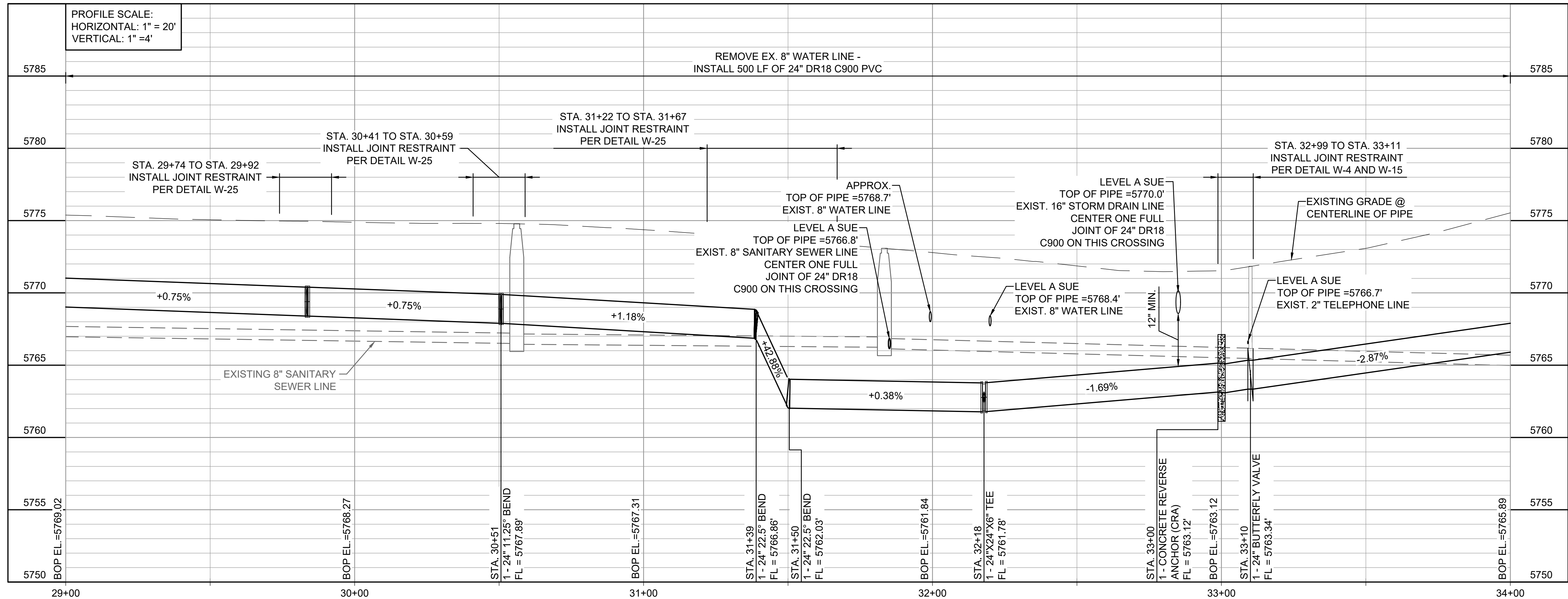





File: L:\2021\12\12\2110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05- C305.dwg, Last Save: 11/17/2022 8:39 AM, Last saved by: FJChavez  
Last plotted by: Martinez, Ervin S, Plot Style: AECmonochrome.ctb, Plot Date: 12/5/2022 2:23 PM, Plotter used: None




- GENERAL NOTES:**
- FOR SEPARATION FROM POLLUTION SOURCES, AND CROSSINGS WITH RELATION TO WATER MAINS, CONTRACTOR MUST MEET REQUIREMENTS OF WWSD STANDARD 2.9 AND 5.9. CONTRACTOR SHALL SUBMIT DETAILS FOR APPLICABLE SEPARATION, ENCASEMENT AND SUPPORT FOR OWNER AND ENGINEER APPROVAL. CONTRACTOR SHALL PROTECT AND SUPPORT EXISTING STORM AND SANITARY SEWERS, AND PROVIDE ADEQUATE PROTECTION FOR THE PROPOSED 24" WATER LINE. PRIOR TO EXCAVATION, CONTRACTOR SHALL SUBMIT DETAILS AND PLAN FOR OWNER AND ENGINEER APPROVAL.



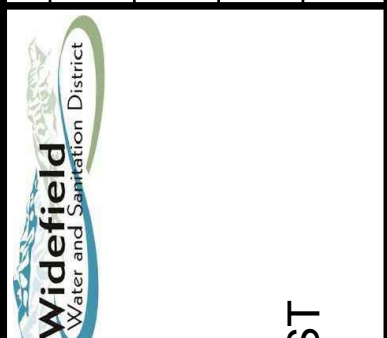


© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

REV.	DATE	DESCRIPTION	BY



WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

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

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

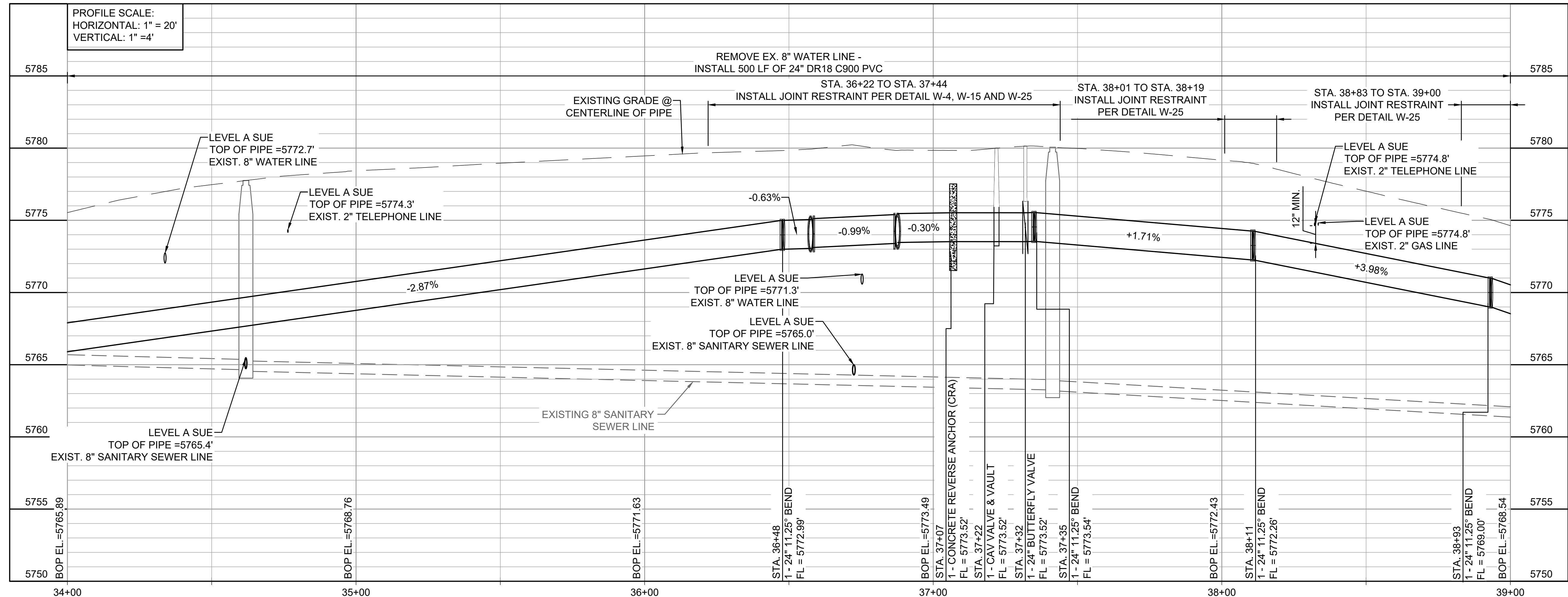
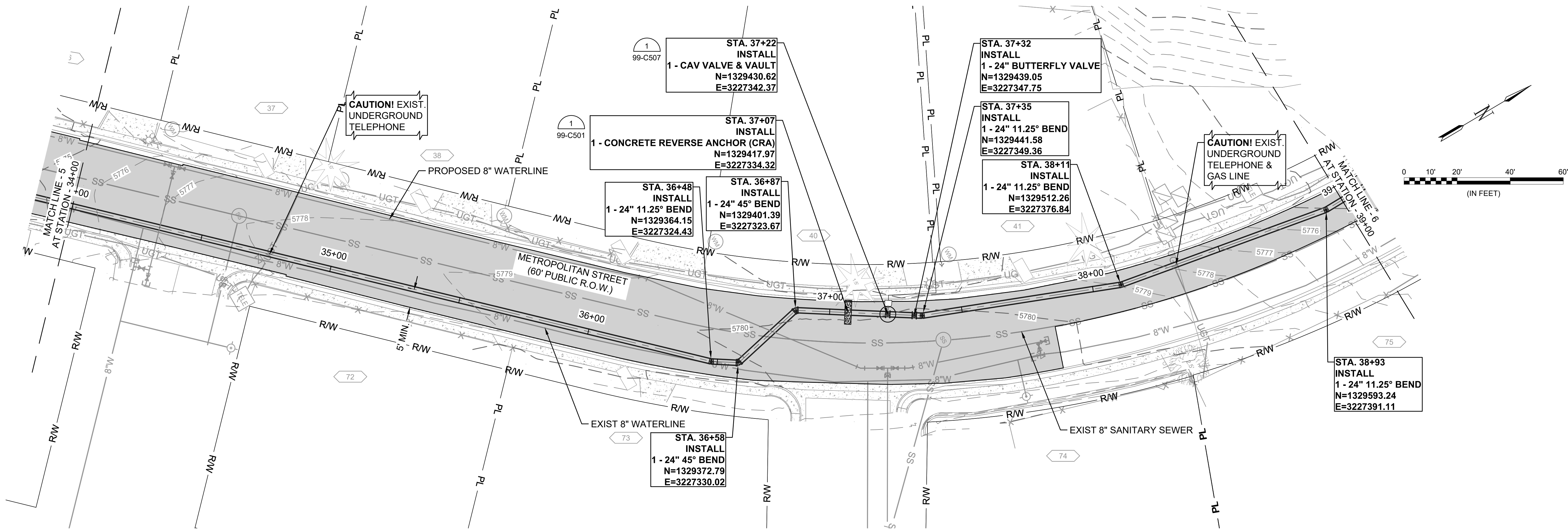
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C305**

SHEET NUMBER  
**15**



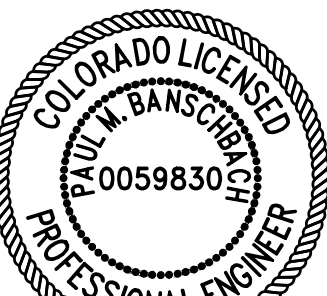
File: L:\2021\12\12\2110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05- C306.dwg, Last Save: 11/7/2022 4:04 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Date: 12/5/2022 2:27 PM Plotter used: None



EPC 2/14/2023

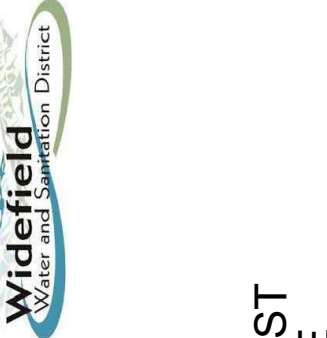


© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



12/07/2022

BY	DESCRIPTION	DATE	REV.



WIDEFIELD WATER  
AND SANITATION  
DISTRICT  
WIDEFIELD, COLORADO

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

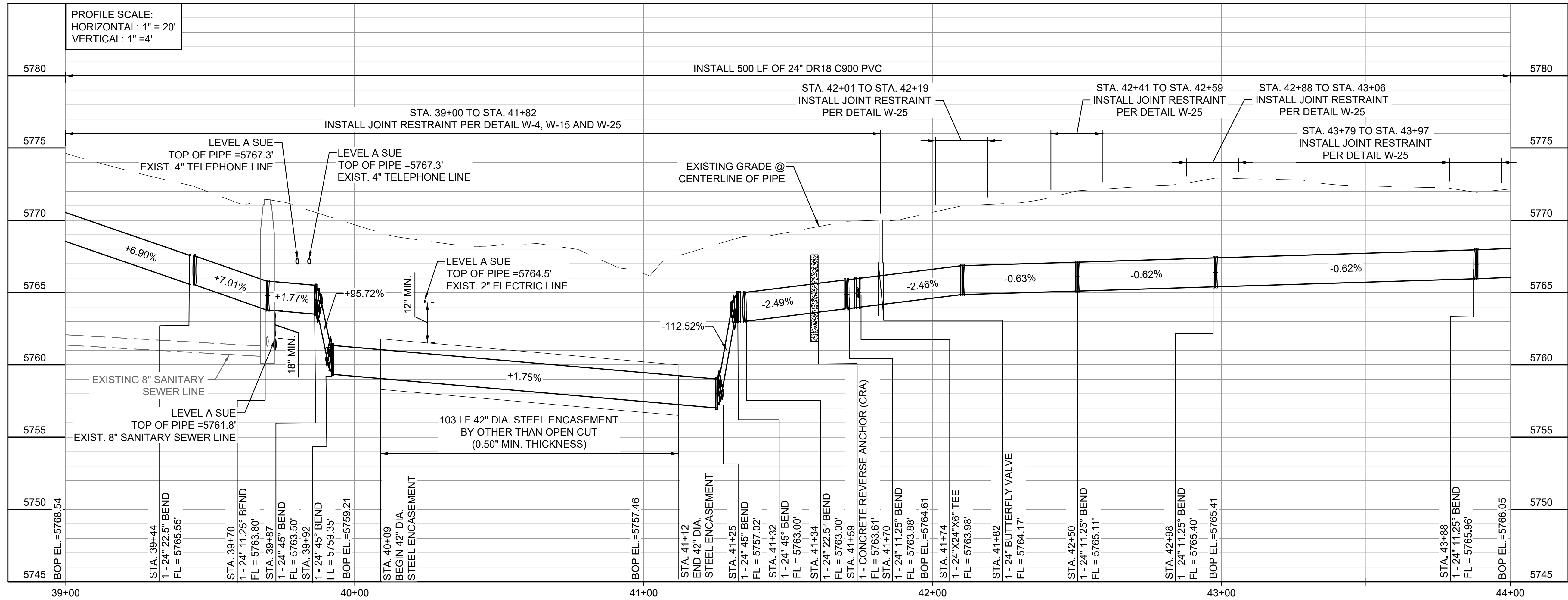
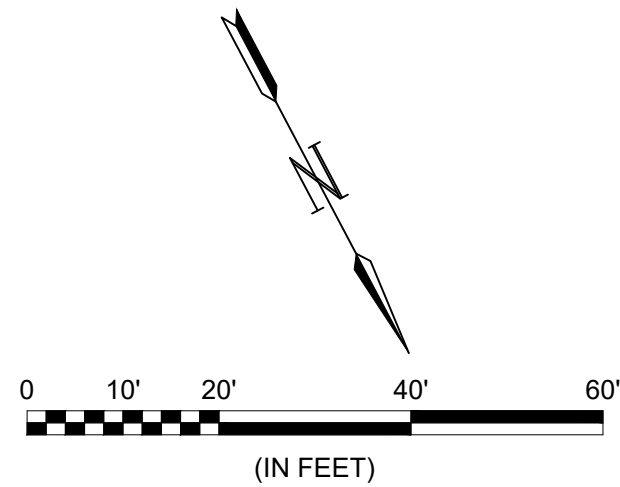
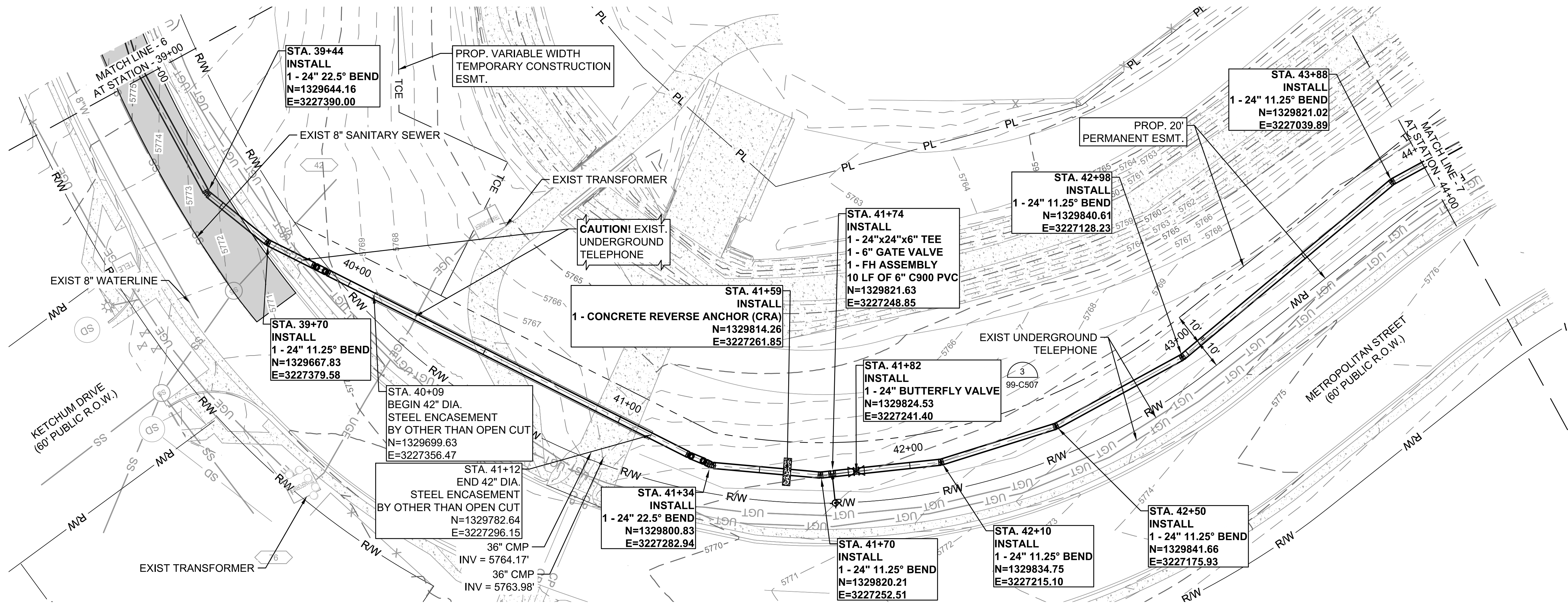
JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

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

DRAWING NUMBER  
**05-C306**  
SHEET  
NUMBER **16**



File: L:\2022\12\21\23110 - WWSDD UW2E CMARDrawings\WWSDD UM CMAR - 05- C307.dwg, Last Save: 11/7/2022 4:04 PM, Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S, Plot Style: AECmon.ctb, Plot Date: 12/5/2022 2:31 PM, Plotter used: None



**GARVER**

© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.

COLORADO LICENSED  
PAUL M. BAUMANN  
0059830  
PROFESSIONAL ENGINEER

12/07/2022

BY	DESCRIPTION	DATE	REV.

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: DECEMBER 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.

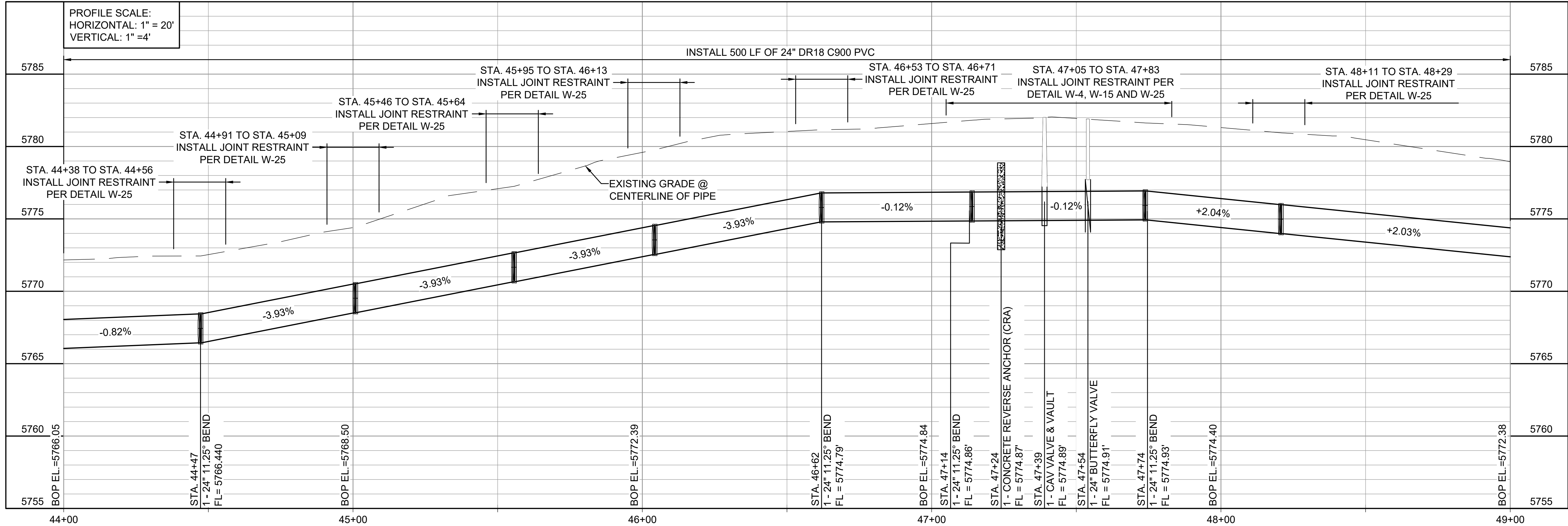
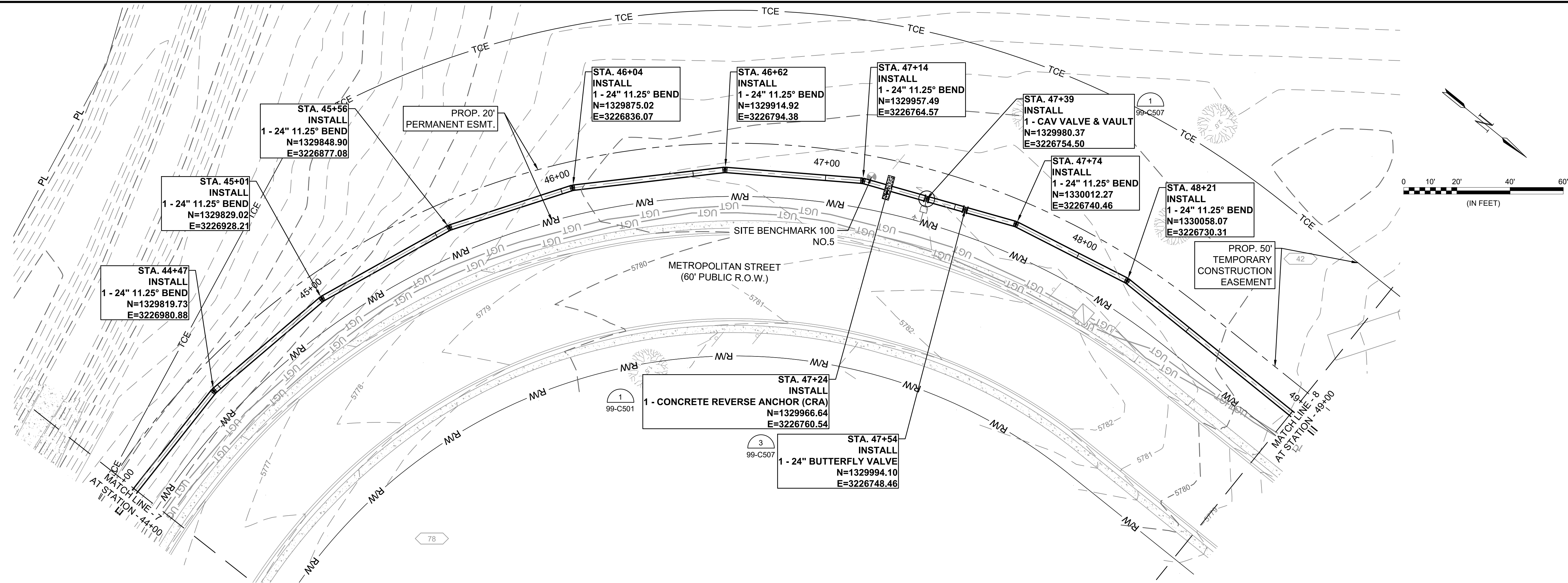
DRAWING NUMBER  
**05-C307**

SHEET  
NUMBER **17**

EPC 2/14/2023



File: L:\2021\12\21\23110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05- C308.dwg, Last Save: 11/7/2022 4:04 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Scale: 1/2"=49'49" Plot Date: 12/5/2022 2:53 PM Plotter used: None

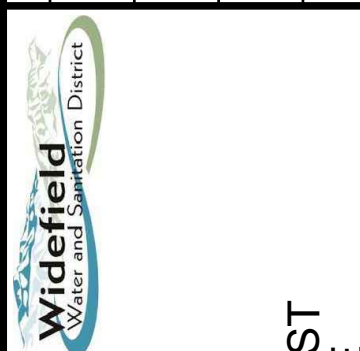


© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



12/07/2022

REV.	DATE	DESCRIPTION	BY



WIDEFIELD WATER  
AND SANITATION  
DISTRICT  
WIDEFIELD, COLORADO

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

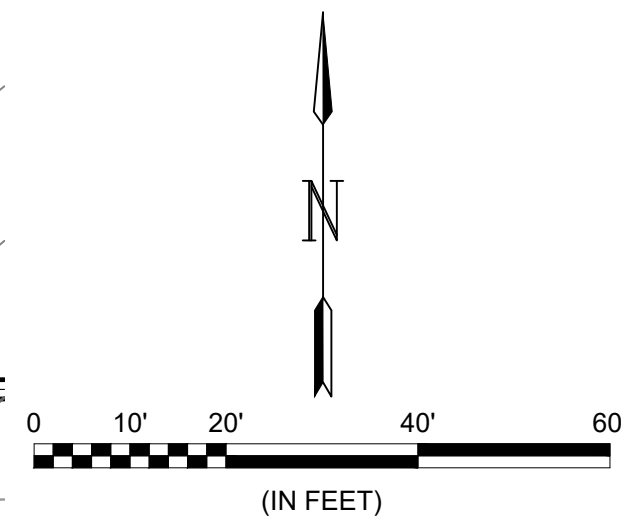
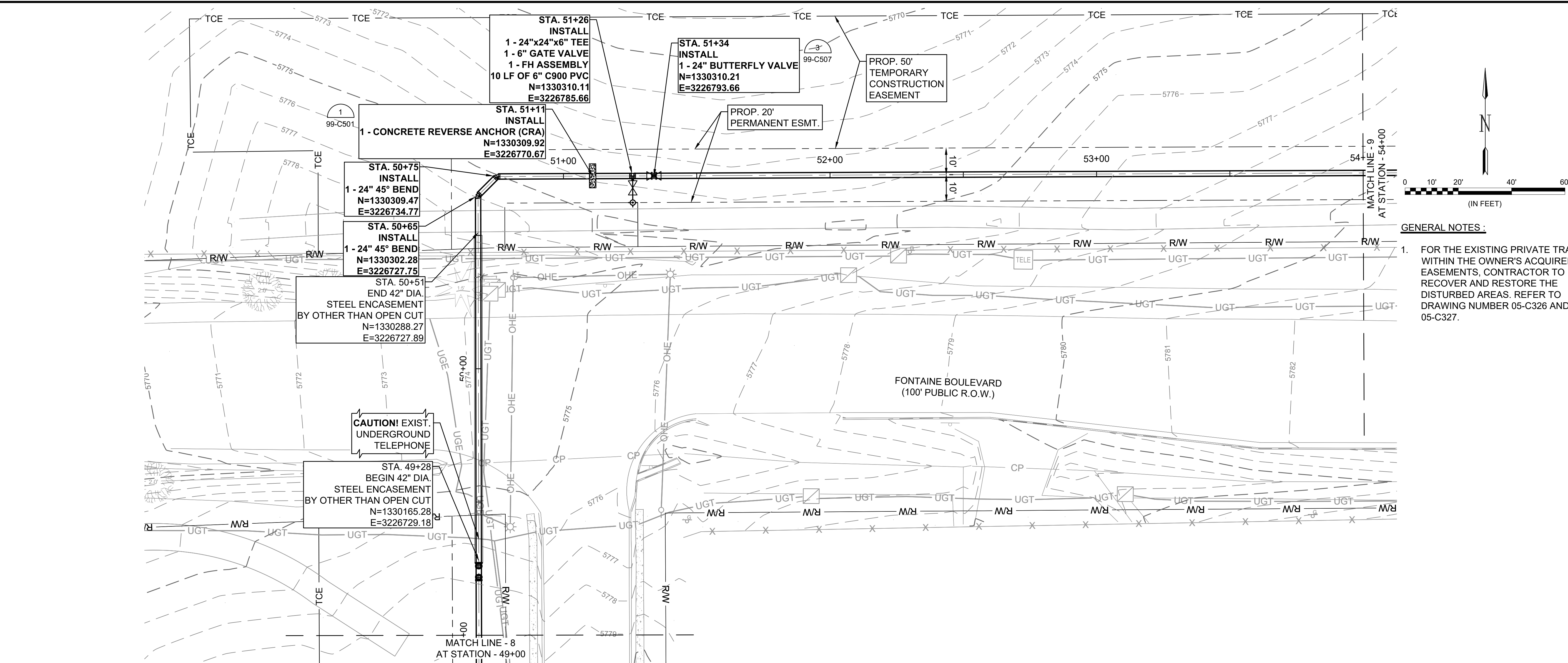
JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

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

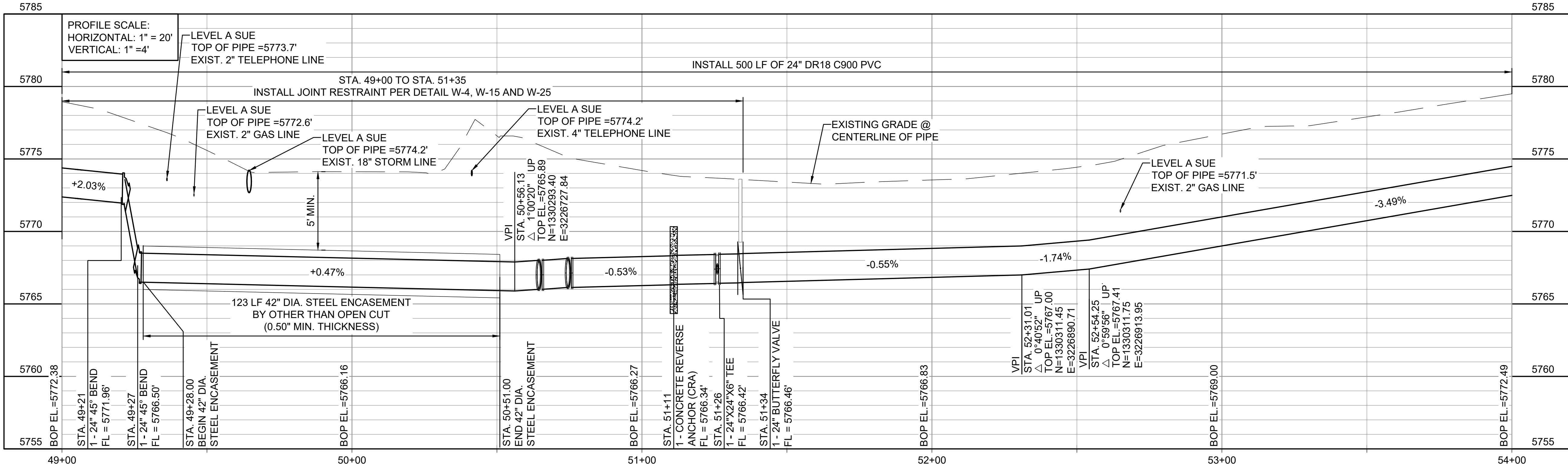
DRAWING NUMBER  
**05-C308**  
SHEET  
NUMBER **18**



File: L:\2021\12\23\110 - WWSO UW2E CMARDrawings\WWSO UM CMAR - 05- C309.dwg, Last Save: 11/7/2022 4:04 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Size: AECmonro.ctb Plot Date: 12/5/2022 2:56 PM Plotter used: None



- GENERAL NOTES:**
- FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. REFER TO DRAWING NUMBER 05-C326 AND 05-C327.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

12/07/2022

REV.	DATE	DESCRIPTION	BY

WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

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

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

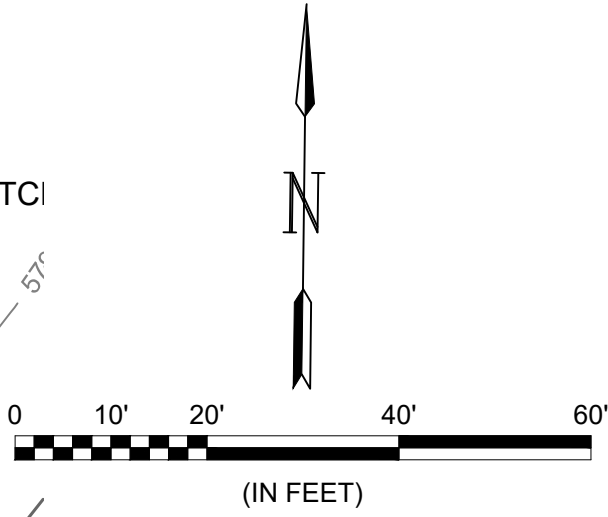
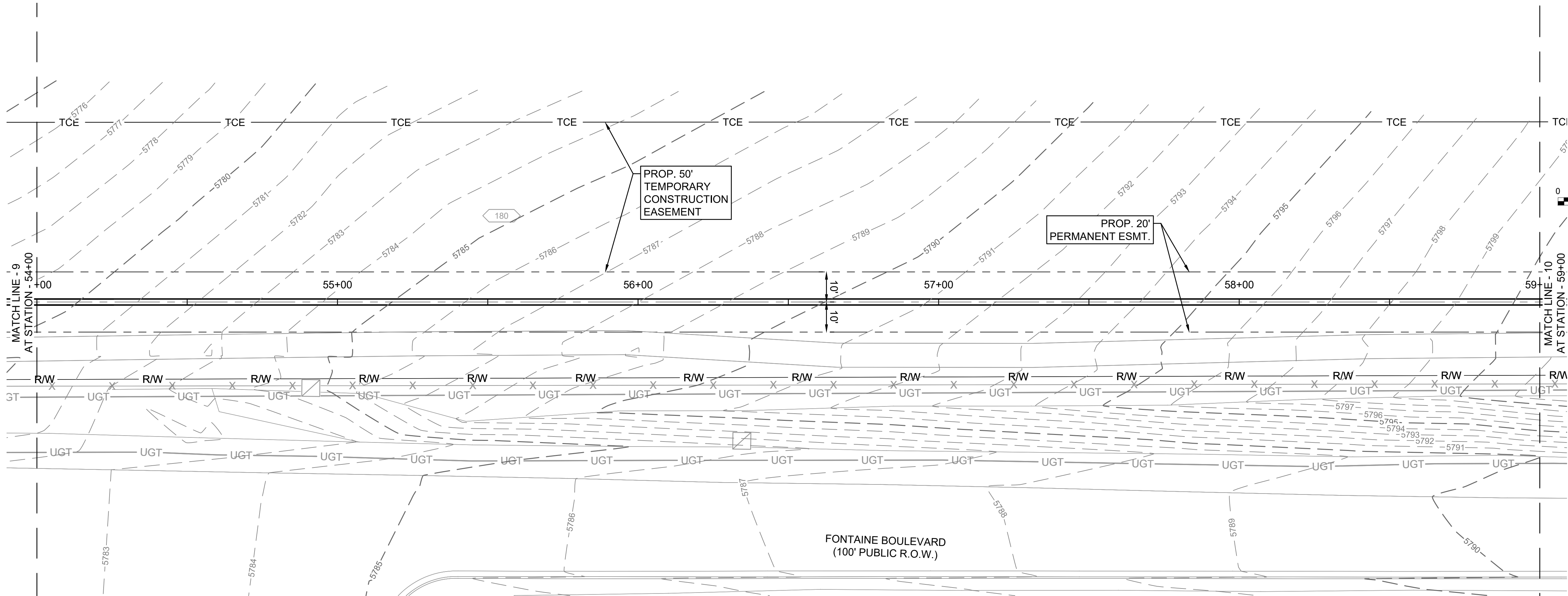
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C309**

SHEET NUMBER  
**19**

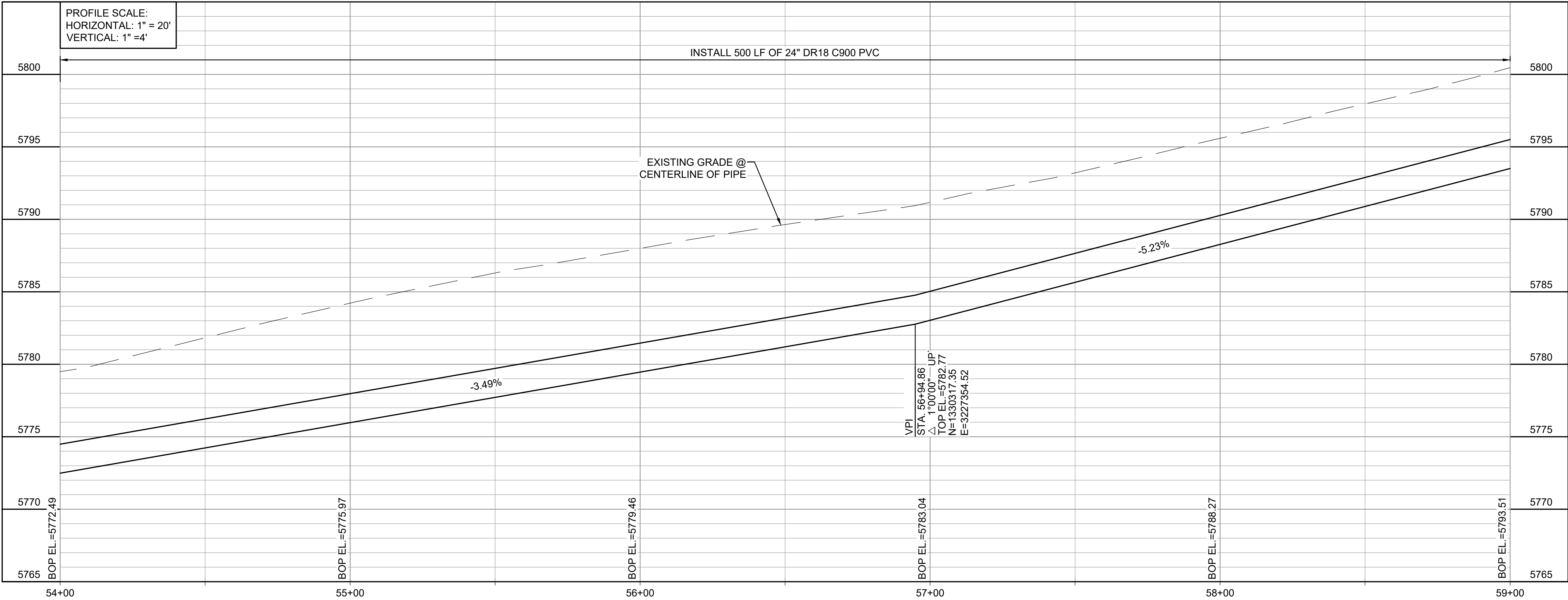


File: L:\2021\21W23110 - WWSD UW2E CMAR\Drawings\WWSD UM CMAR - 05-C310.dwg, Last Save: 11/7/2022 4:04 PM, Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S, Plot Style: AEOnorio.ctb, Plot Scale: 1/2.5949, Plot Date: 12/5/2022 2:59 PM, Plotter used: None



- GENERAL NOTES :
- FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. REFER TO DRAWING NUMBER 05-C326 AND 05-C327.

© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



BY				
DESCRIPTION				
DATE				
REV.				

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: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

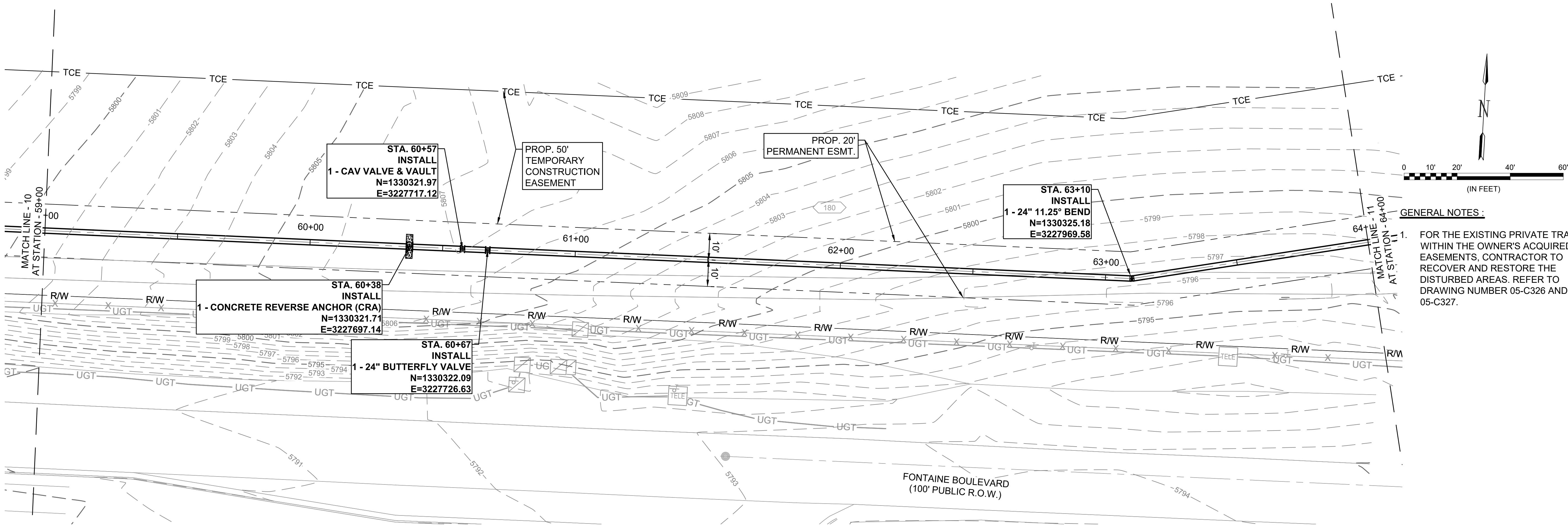
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C310**

SHEET NUMBER  
**20**



File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05- C311.dwg, Last Save: 11/7/2022 4:04 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmon.ctb Plot Scale: 12.5949 Plot Date: 12/5/2022 3:02 PM Plotter used: None



GENERAL NOTES :

1. FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. REFER TO DRAWING NUMBER 05-C326 AND 05-C327.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

REV.	DATE	DESCRIPTION	BY

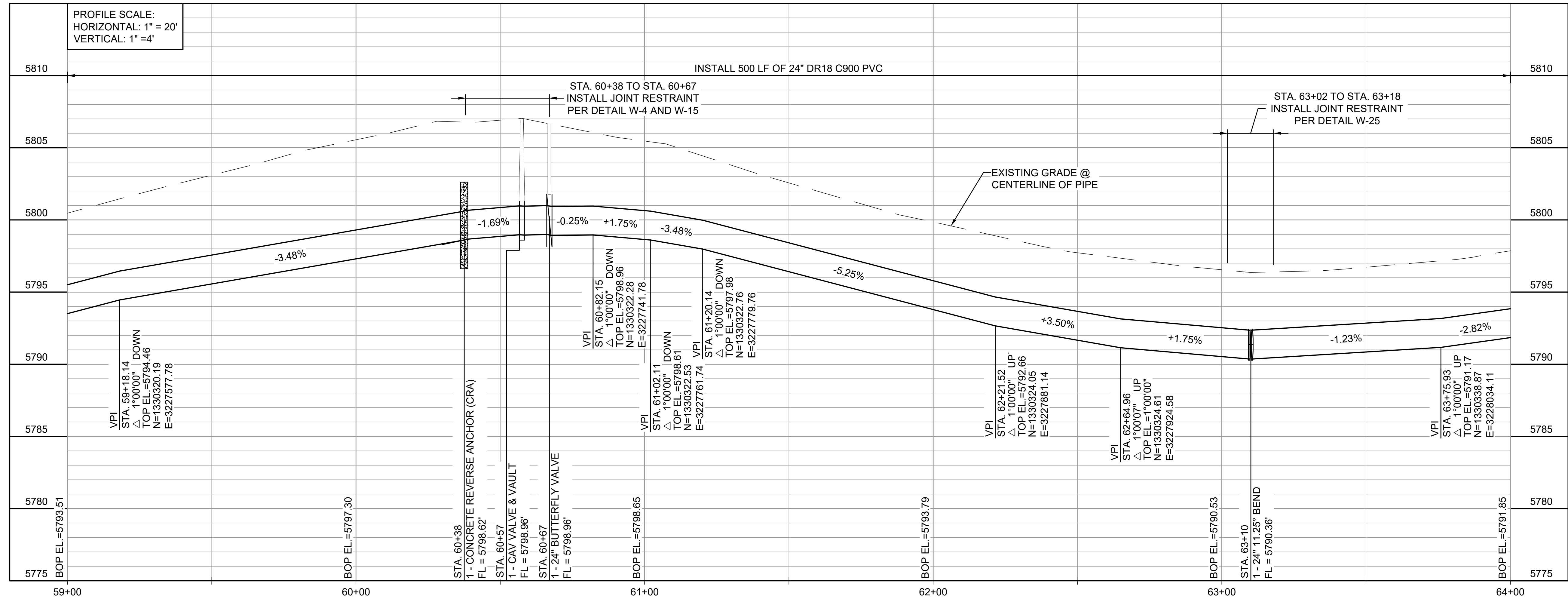
WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO  
UPPER WEST TO EAST TRANSMISSION LINE

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

JOB NO.: 21W23110  
DATE: DECEMBER 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.

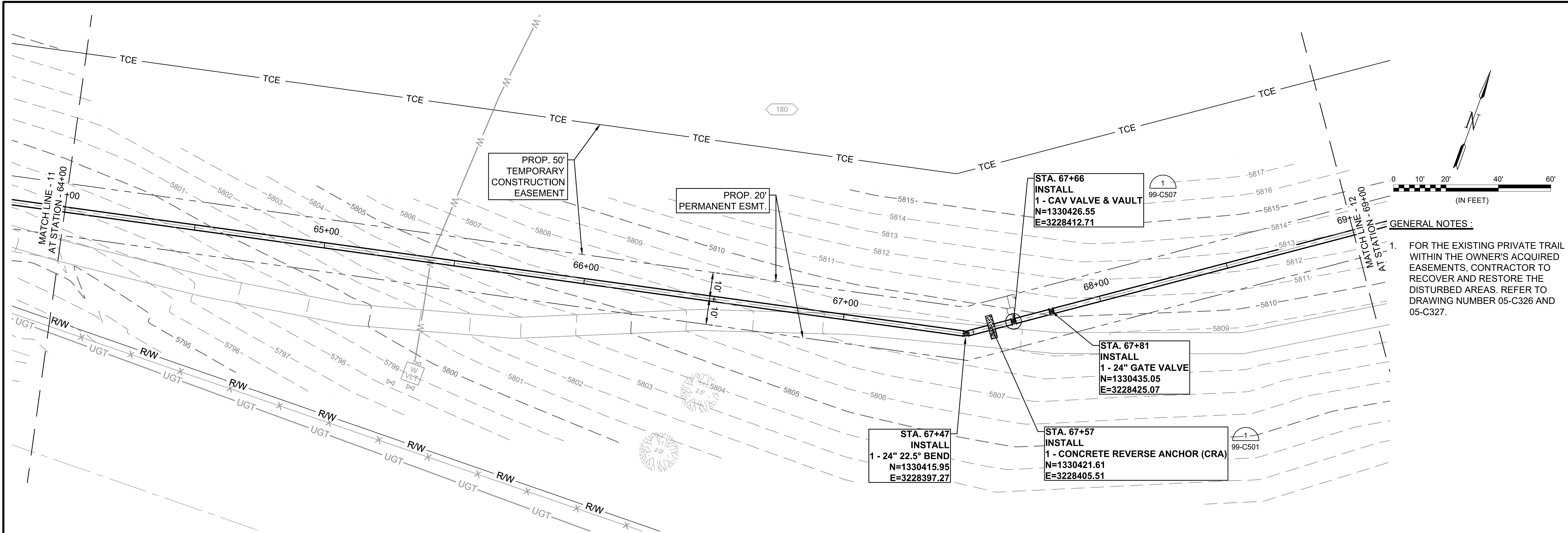
DRAWING NUMBER  
**05-C311**  
SHEET NUMBER **21**



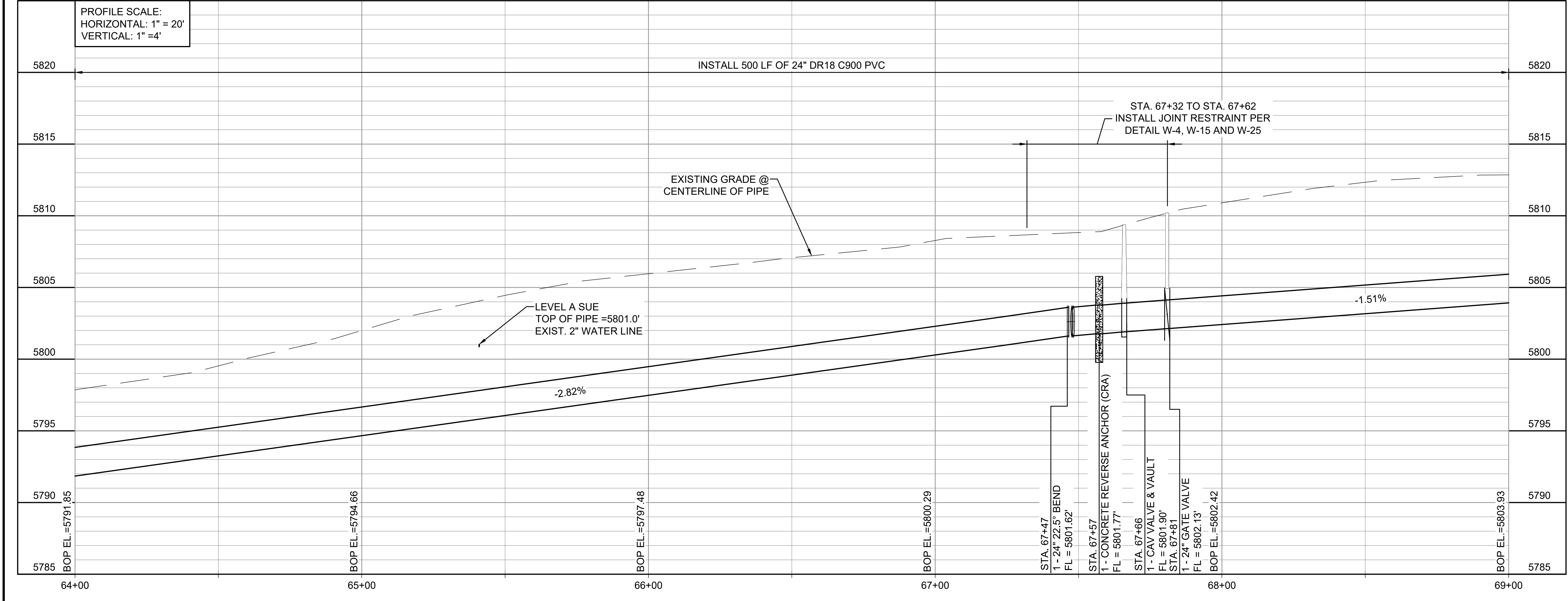
EPC 2/14/2023



File: L:\2021\21W23110 - WWSD UW2E CMAR\Drawings\WWSD UM CMAR - 05- C312.dwg, Last Save: 11/7/2022 4:04 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AEOnono.ctb Plot Scale: 1:2,594.9 Plot Date: 12/5/2022 3:05 PM Plotter used: None



- GENERAL NOTES :
- FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. REFER TO DRAWING NUMBER 05-C326 AND 05-C327.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

BY	DESCRIPTION	DATE	REV.

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: DECEMBER 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.

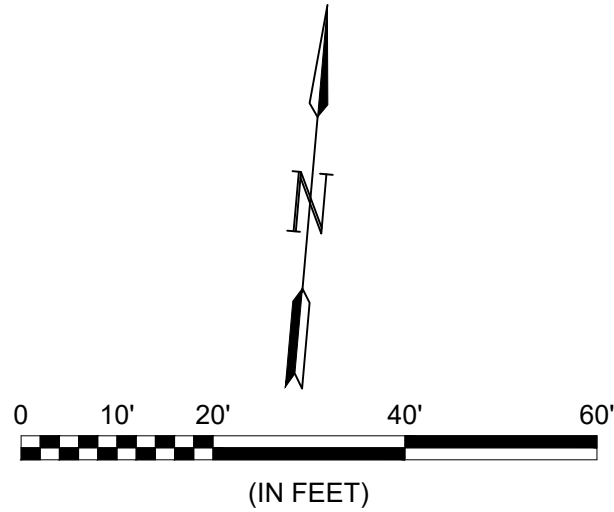
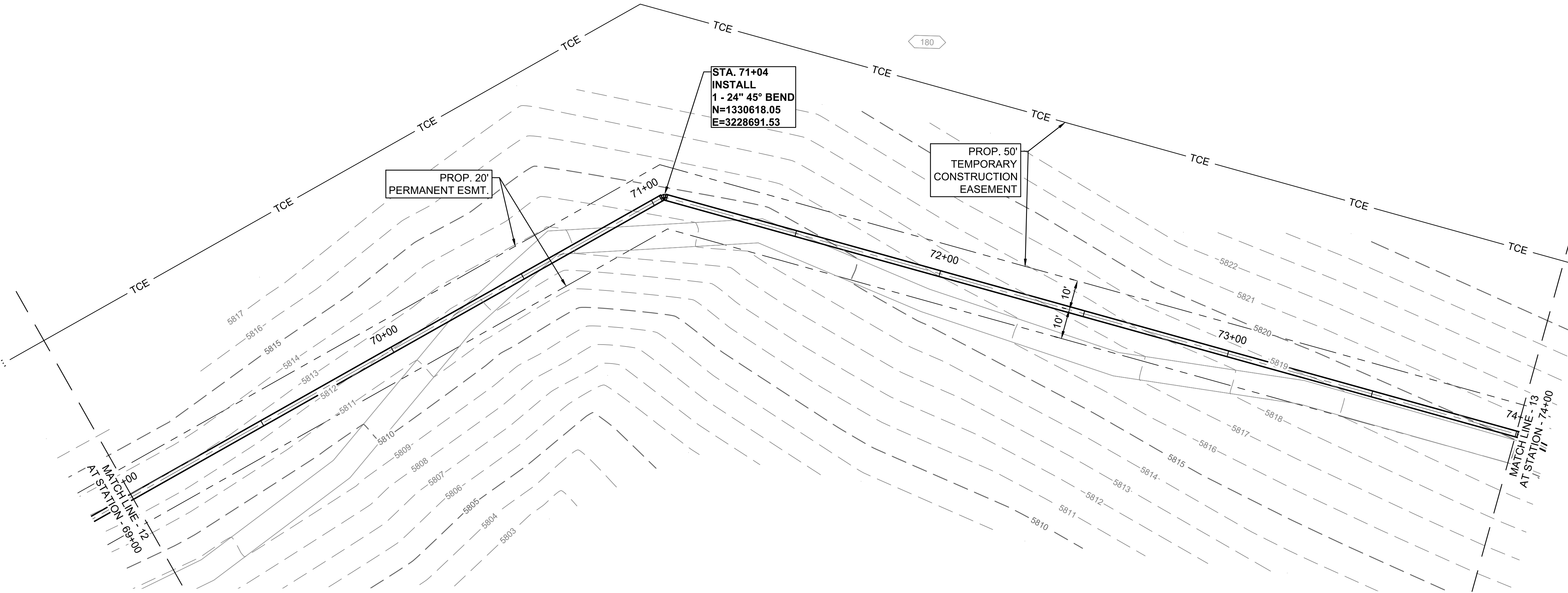
DRAWING NUMBER  
**05-C312**

SHEET NUMBER  
**22**


EPC 2/14/2023




File: L:\2021\21W23110 - WWSD UW2E CMAR\Drawings\WWSD UM CMAR - 05-C313.dwg, Last Save: 11/7/2022 4:04 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AEOnono.ctb Plot Scale: 1:2,594.9 Plot Date: 12/5/2022 3:20 PM Plotter used: None



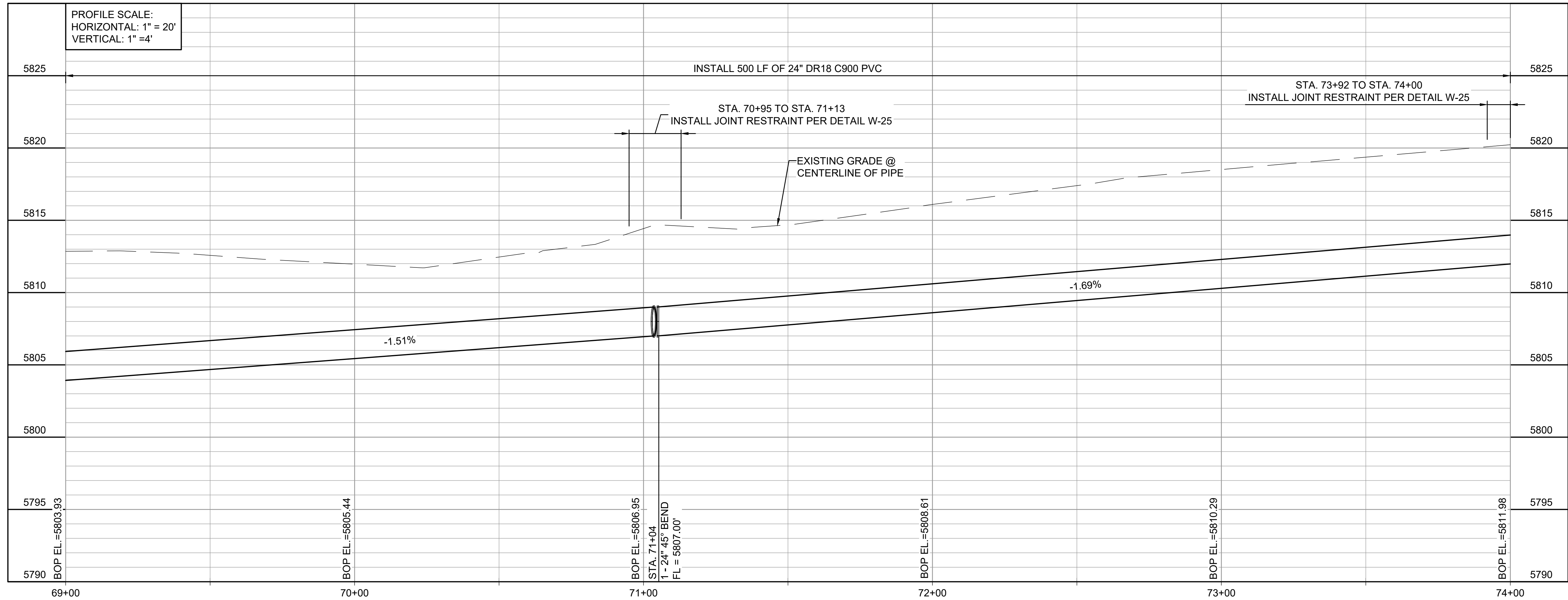
- GENERAL NOTES :
1. FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. REFER TO DRAWING NUMBER 05-C326 AND 05-C327.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022



EPC 2/14/2023



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: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

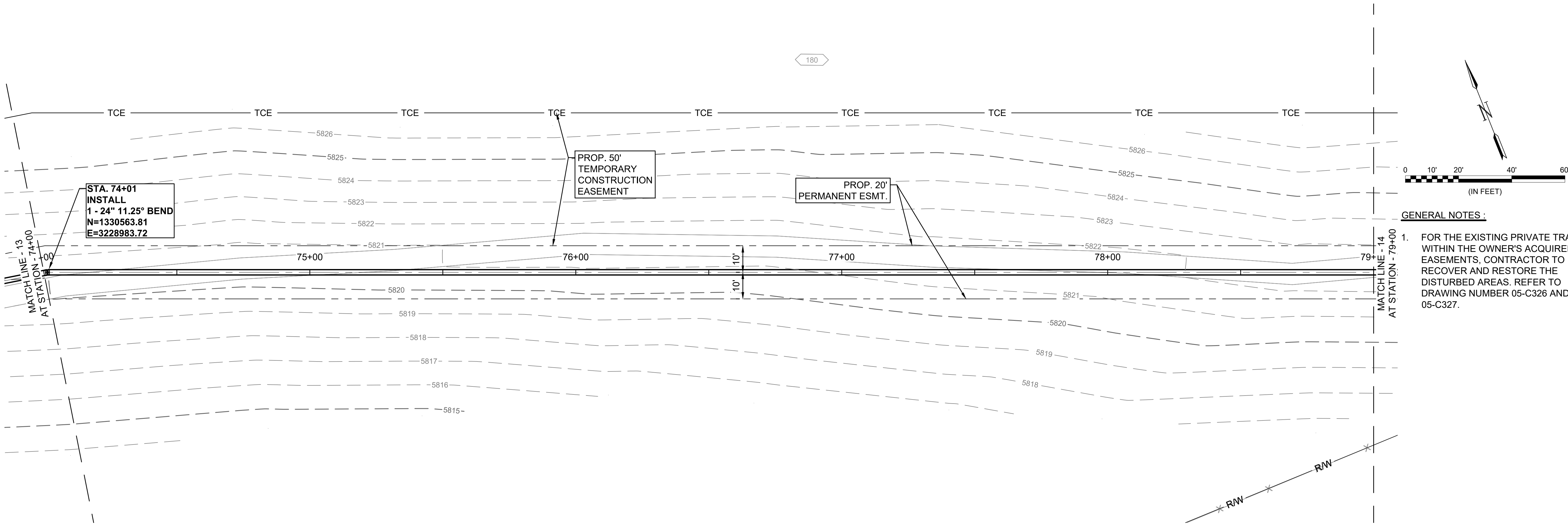
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C313**

SHEET NUMBER  
**23**

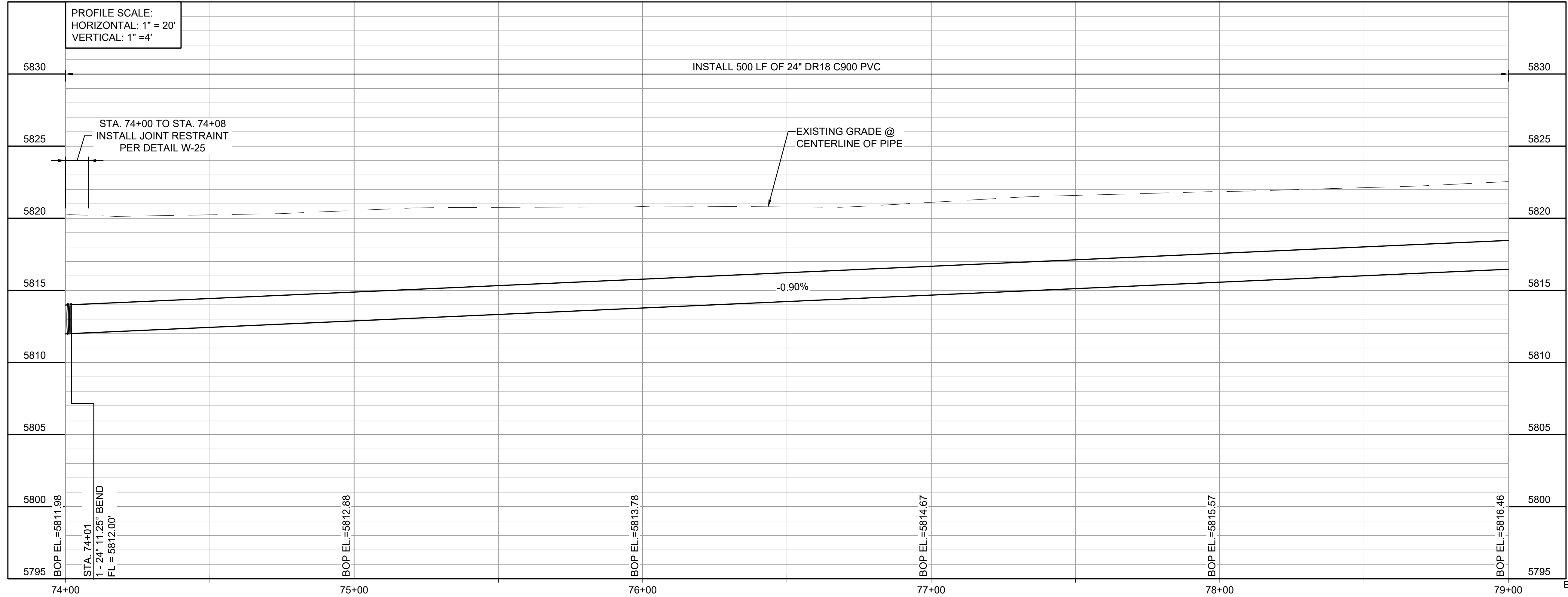



File: L:\2021\21W23110 - WWSD UW2E CMAR\Drawings\WWSD UM CMAR - 05- C314.dwg, Last Save: 11/7/2022 4:04 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Scale: 1/2"=50'-0" Plot Date: 12/5/2022 3:23 PM Plotter used: None



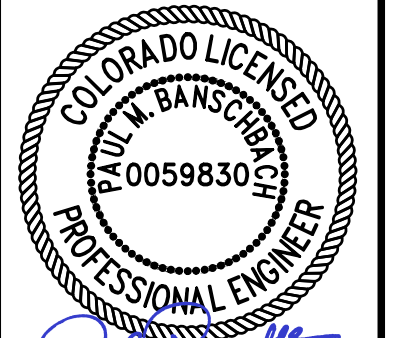
GENERAL NOTES :

- FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. REFER TO DRAWING NUMBER 05-C326 AND 05-C327.






© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

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: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

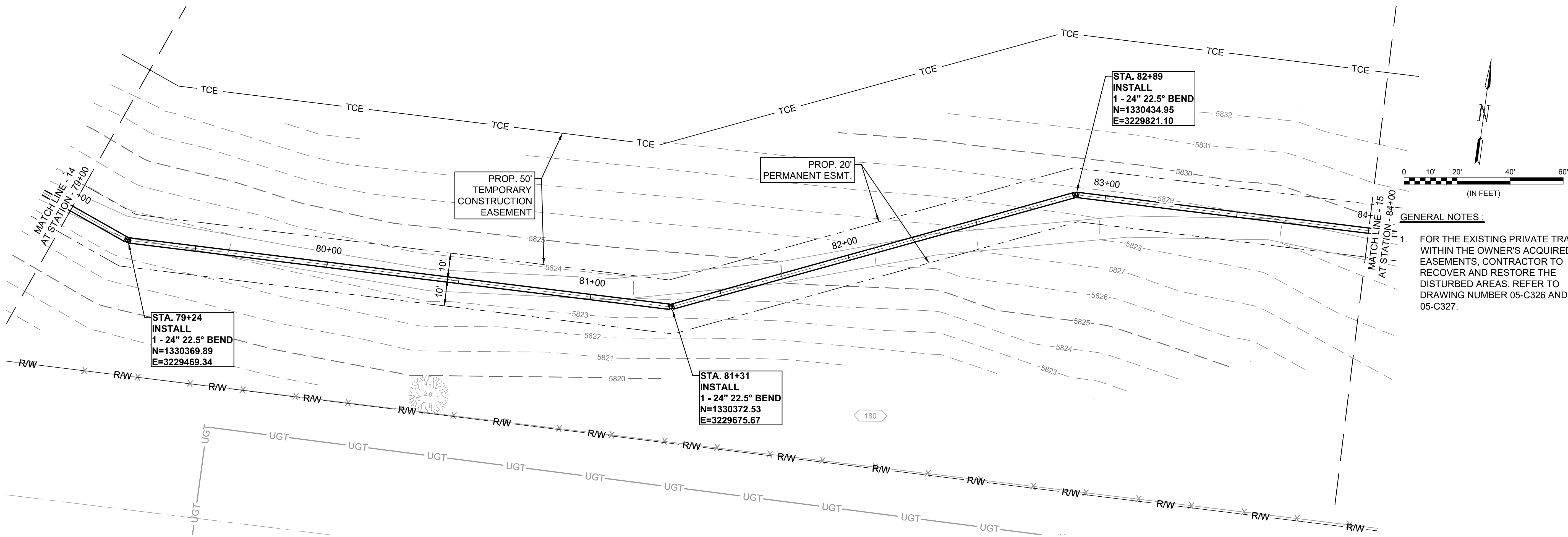
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C314**

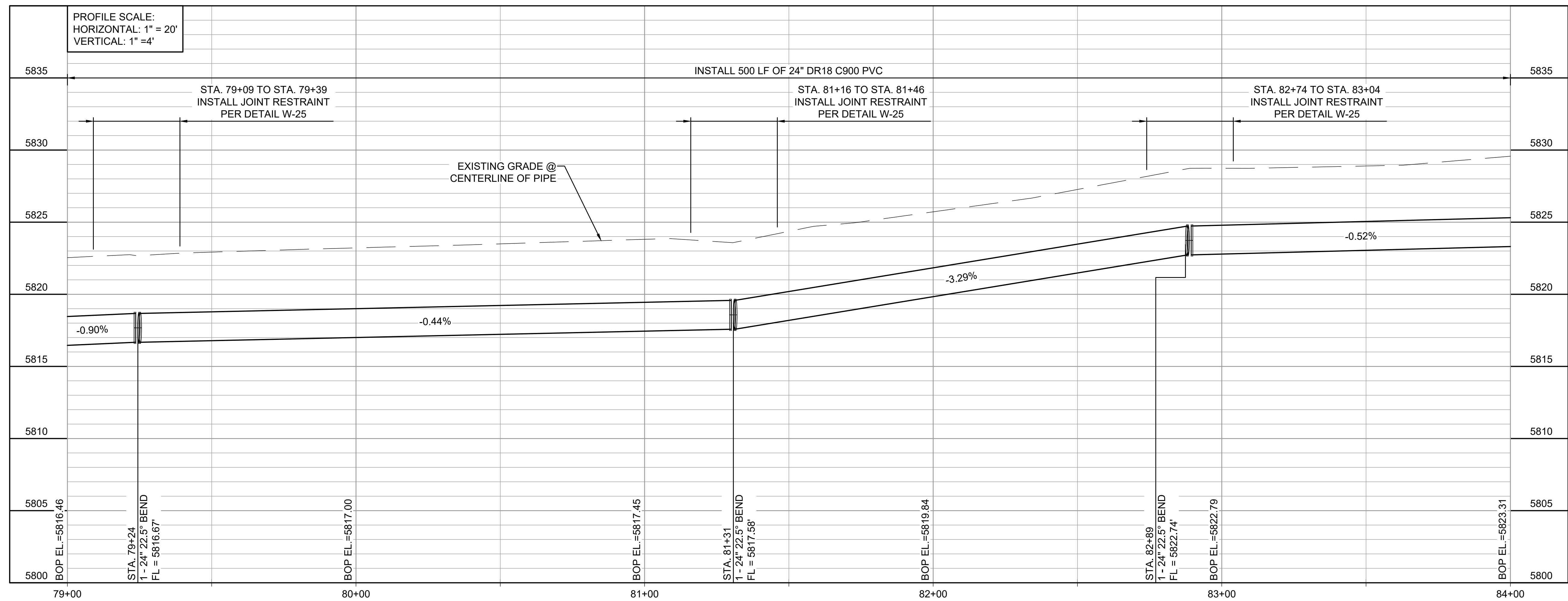
SHEET NUMBER  
**24**




File: L:\2021\21W23110 - WWSD UW2E CMAR\Drawings\WWSD UM CMAR - 05- C315.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AEOnono.ctb Plot Scale: 1:2,594.9 Plot Date: 12/5/2022 3:26 PM Plotter used: None




- GENERAL NOTES:
- FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. REFER TO DRAWING NUMBER 05-C326 AND 05-C327.






© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

BY	DESCRIPTION	DATE	REV.



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: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

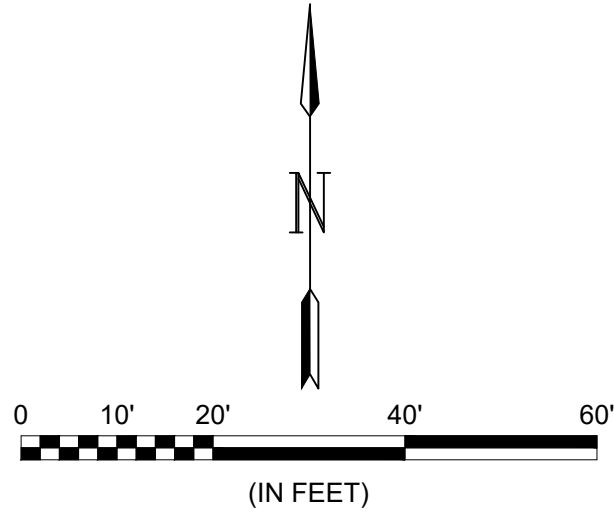
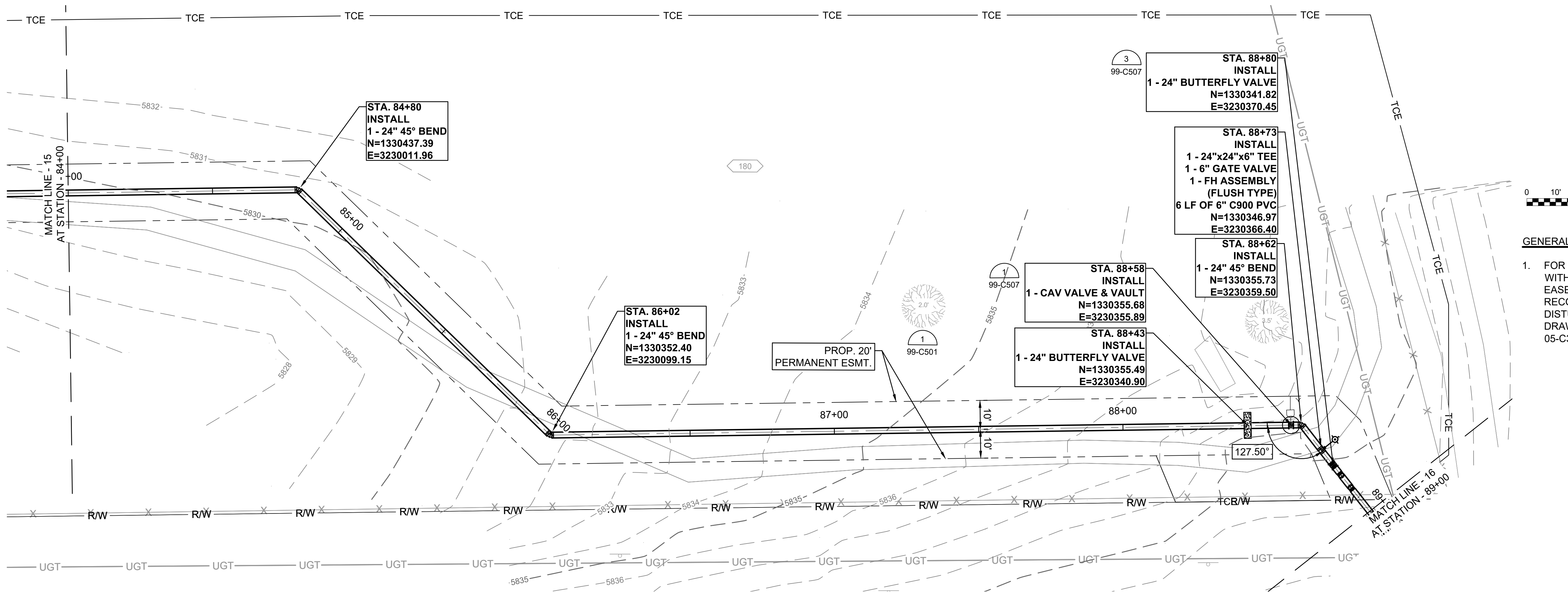
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C315**


SHEET NUMBER  
**25**




File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05-C316.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Date: 12/5/2022 3:30 PM Plotter used: None



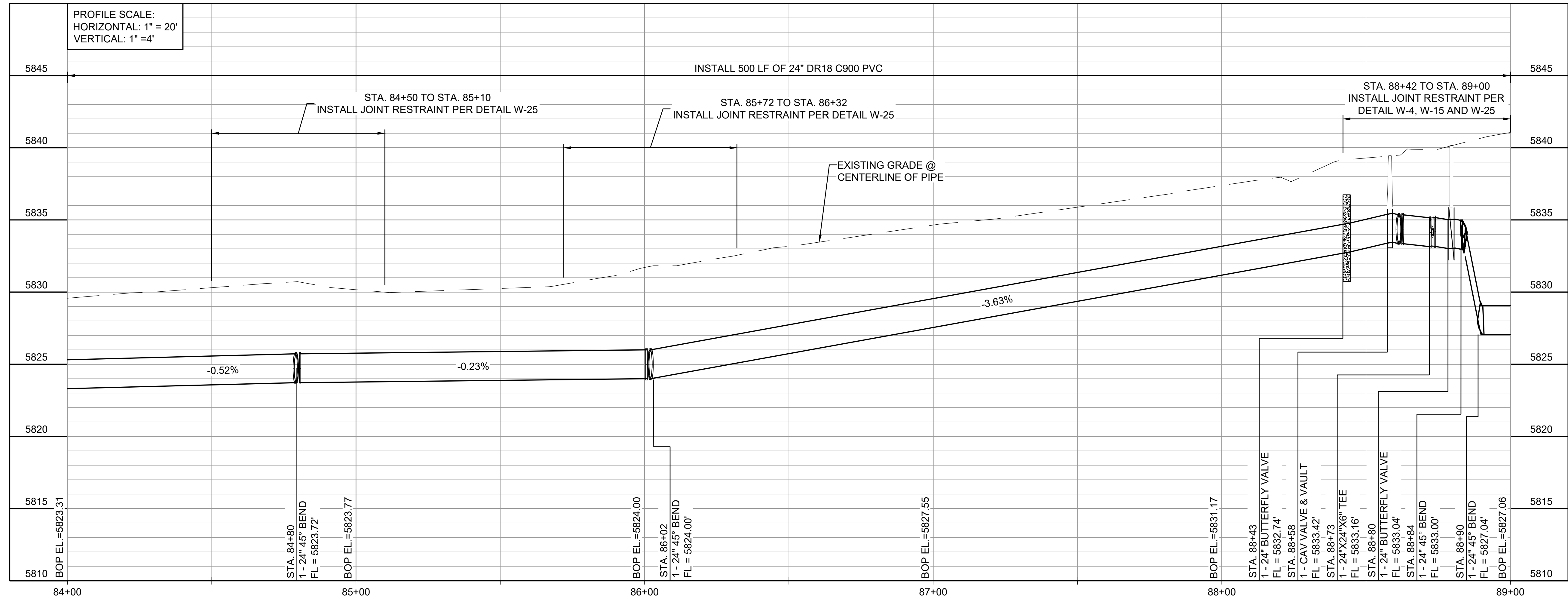
- GENERAL NOTES:
- FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. REFER TO DRAWING NUMBER 05-C326 AND 05-C327.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022



EPC 2/14/2023



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: DECEMBER 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  
**26**



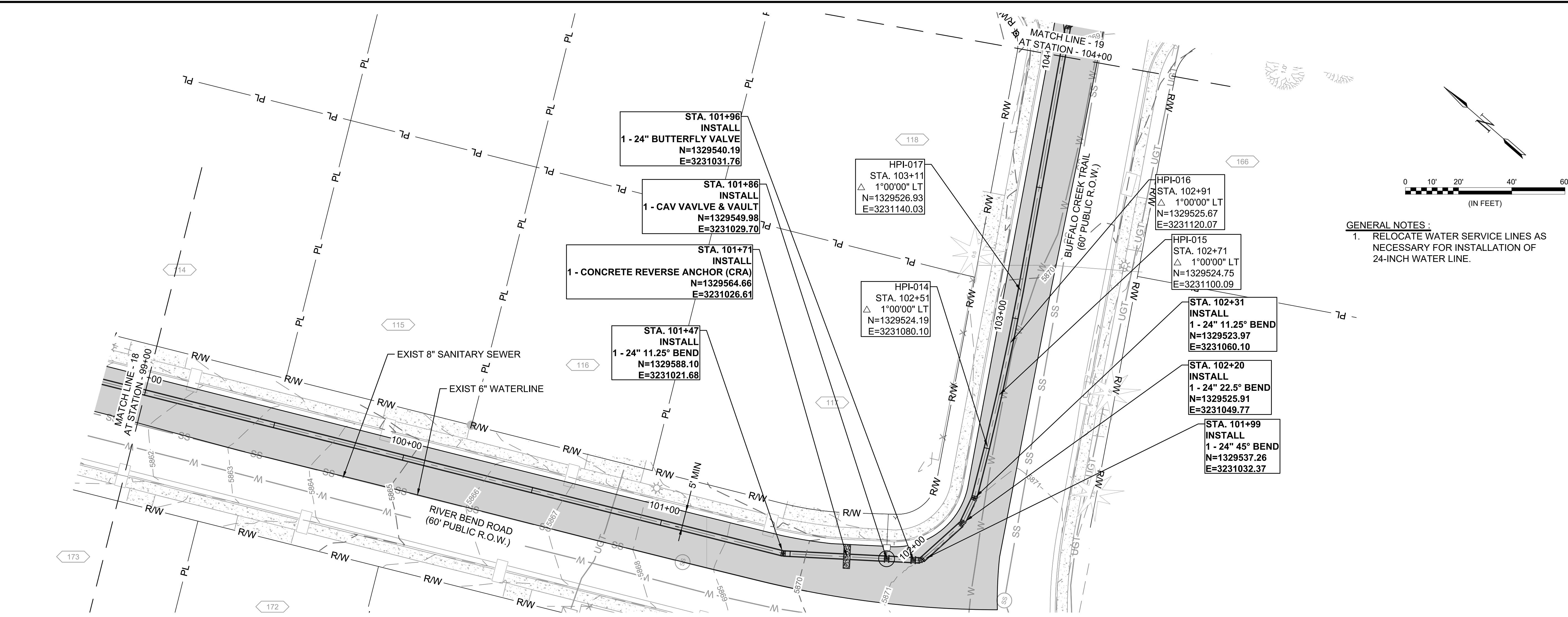




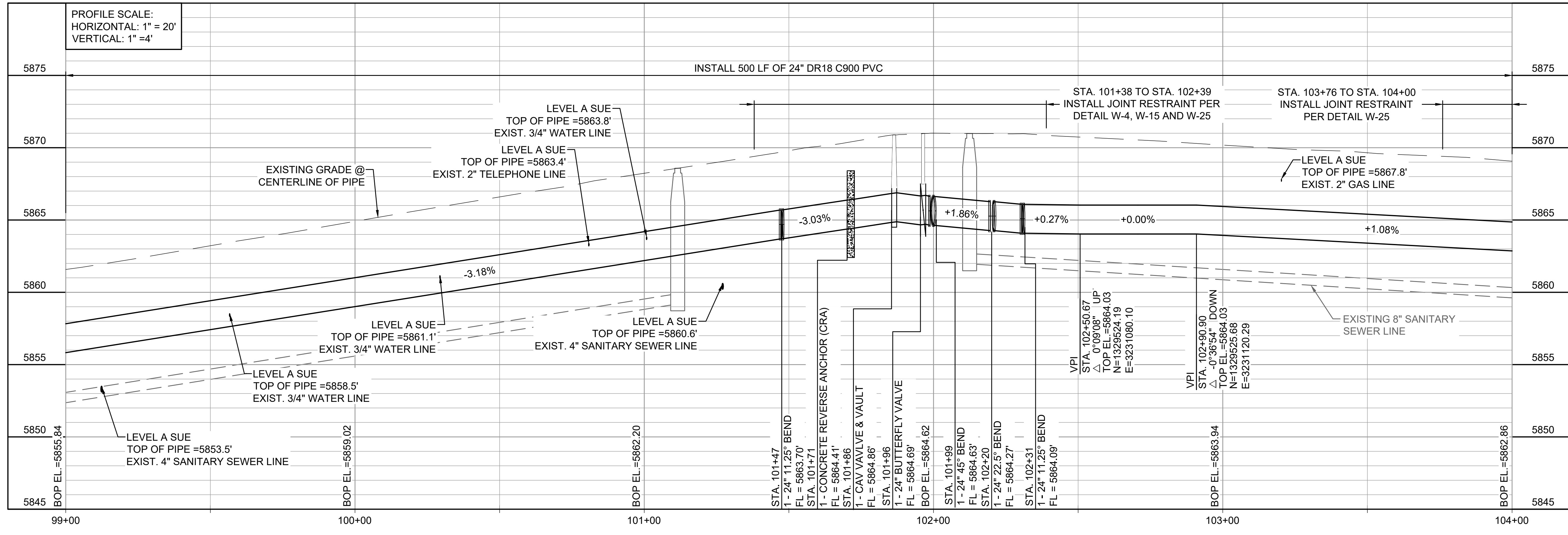




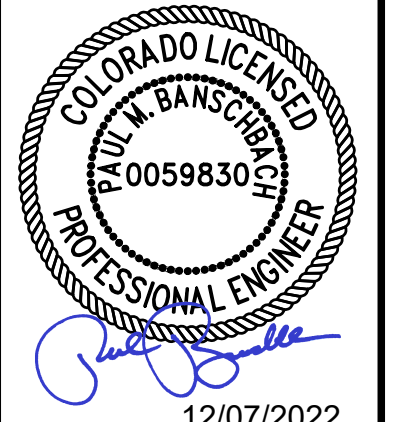
File: L:\2021\21W23110 - WWS&D UW2E CMARDrawings\WWS&D UM CMAR - 05- C319.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S. Plot Style: AEColor.ctb Plot Date: 12/5/2022 3:50 PM Plotter used: None



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



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



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)

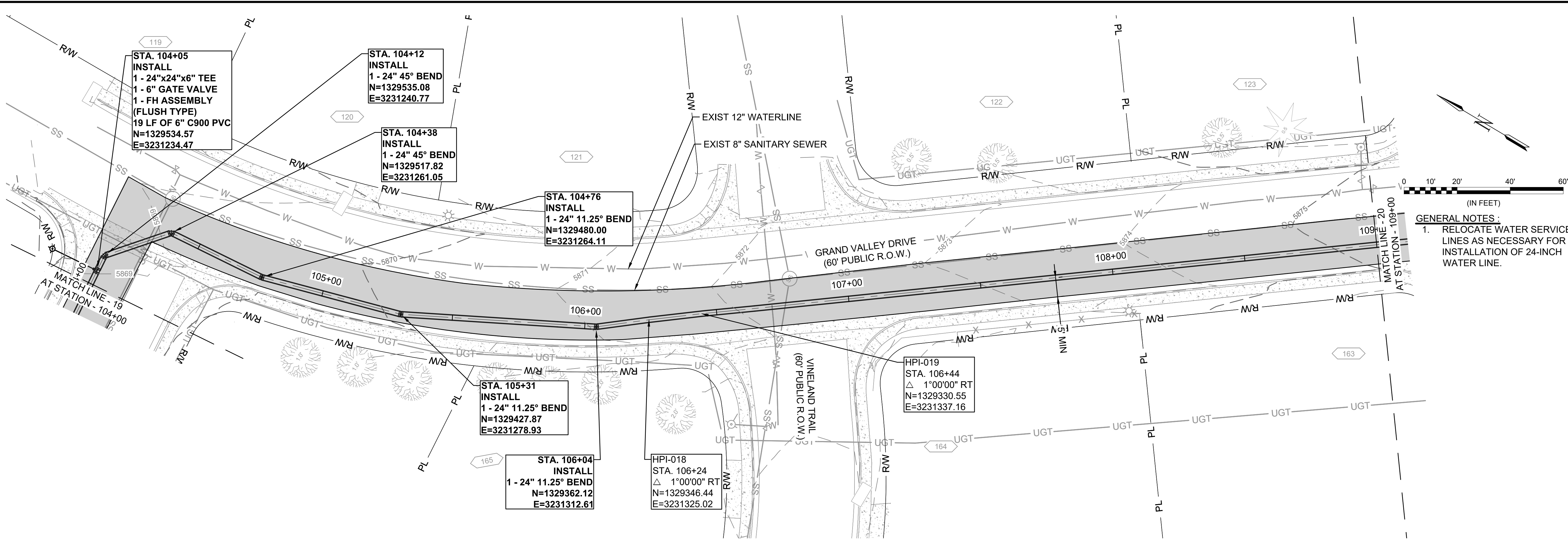
JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.  
DRAWING NUMBER  
**05-C319**  
SHEET NUMBER  
**29**

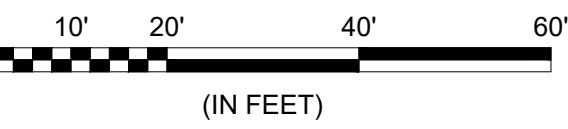
EPC 2/14/2023



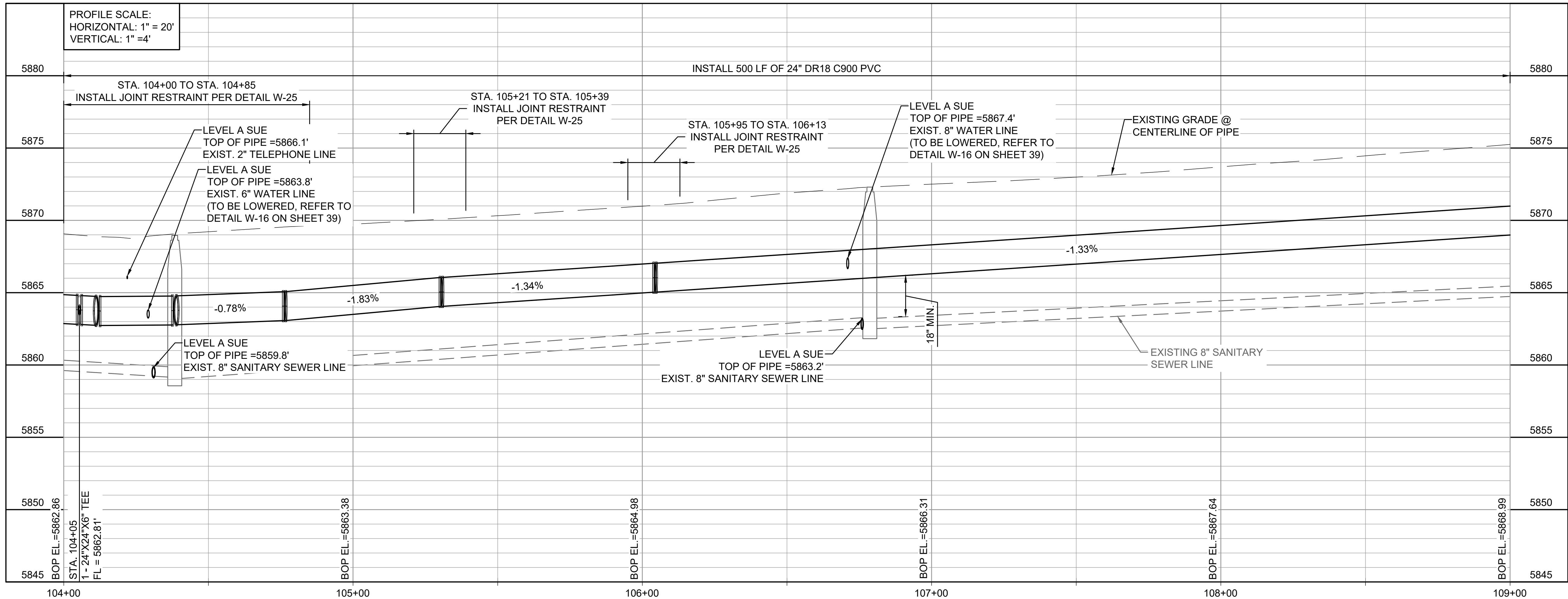
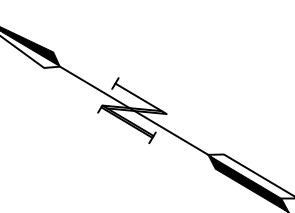
File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05- C320.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AEOnono.ctb Plot Scale: 1/2"=50' Plot Date: 12/5/2022 3:54 PM Plotter used: None



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



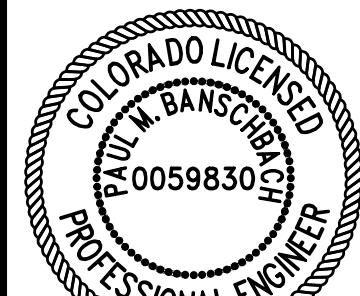
(IN FEET)



EPC 2/14/2023



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

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)

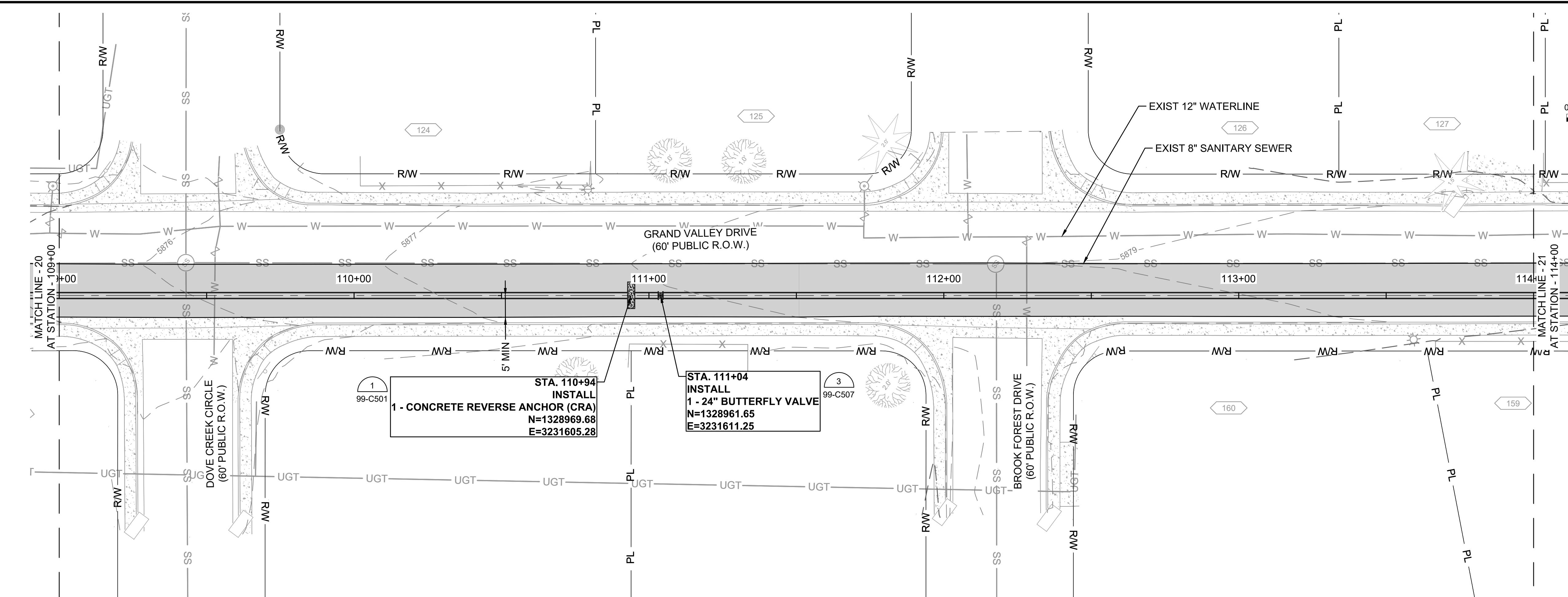
JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

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

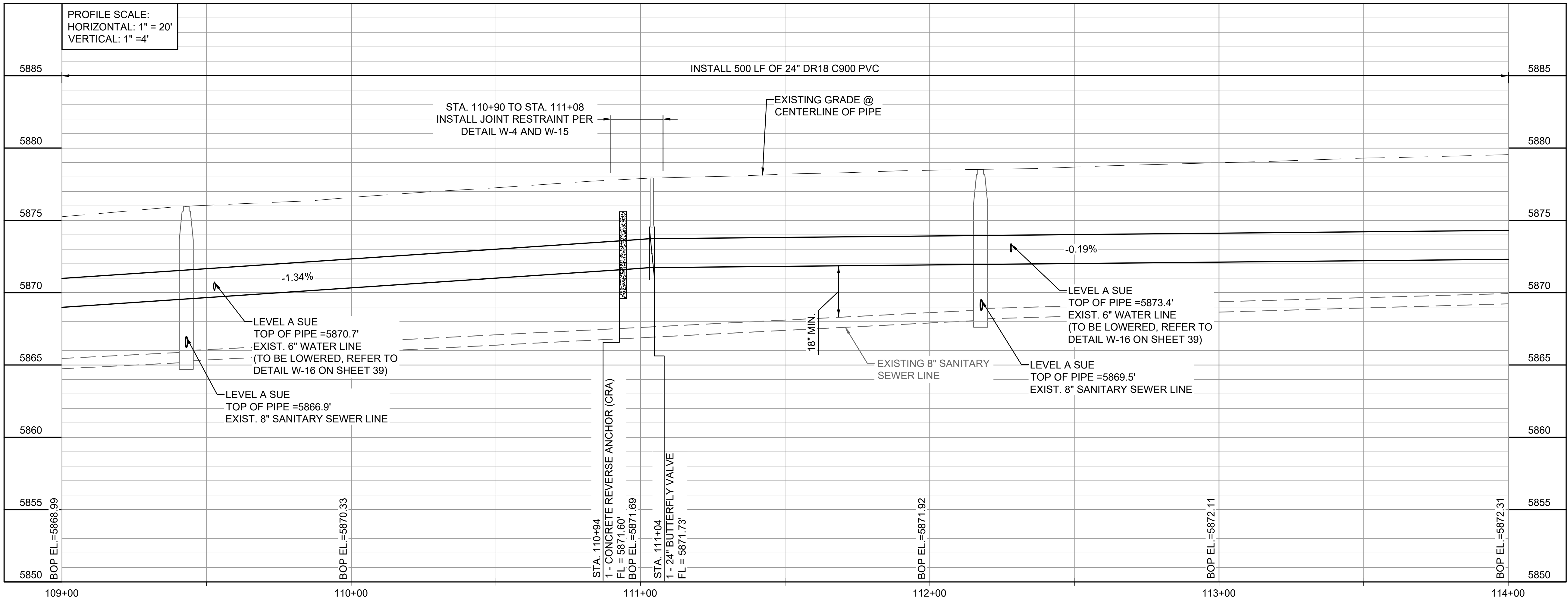
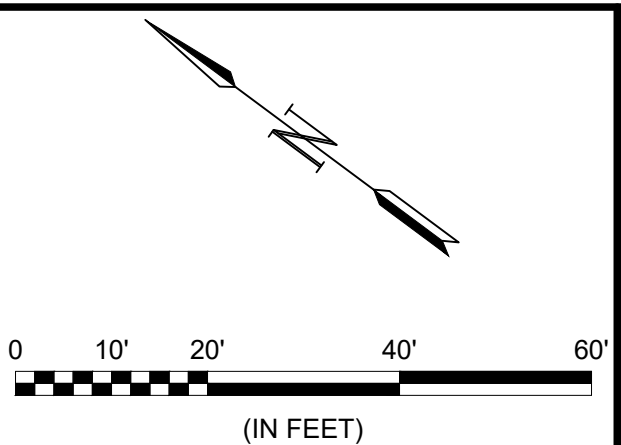
DRAWING NUMBER  
**05-C320**  
SHEET NUMBER **30**




File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05-C321.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Date: 12/5/2022 4:01 PM Plotter used: None

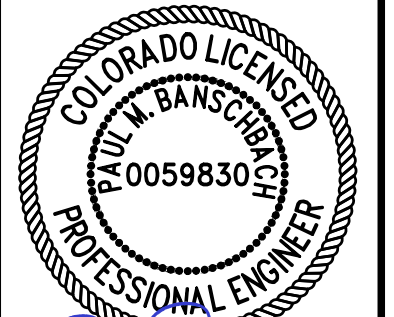


- GENERAL NOTES:**
- RELOCATE WATER SERVICE LINES AS NECESSARY FOR INSTALLATION OF 24-INCH WATER LINE.






© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

BY	DESCRIPTION	DATE	REV.



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: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

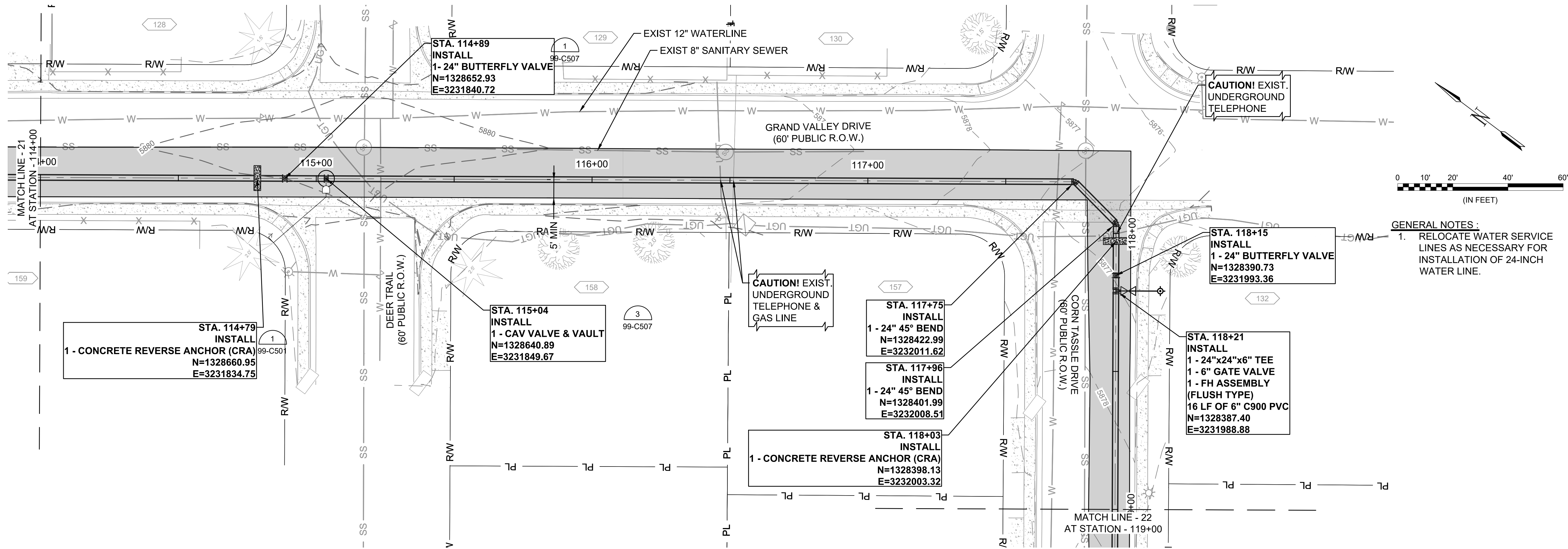
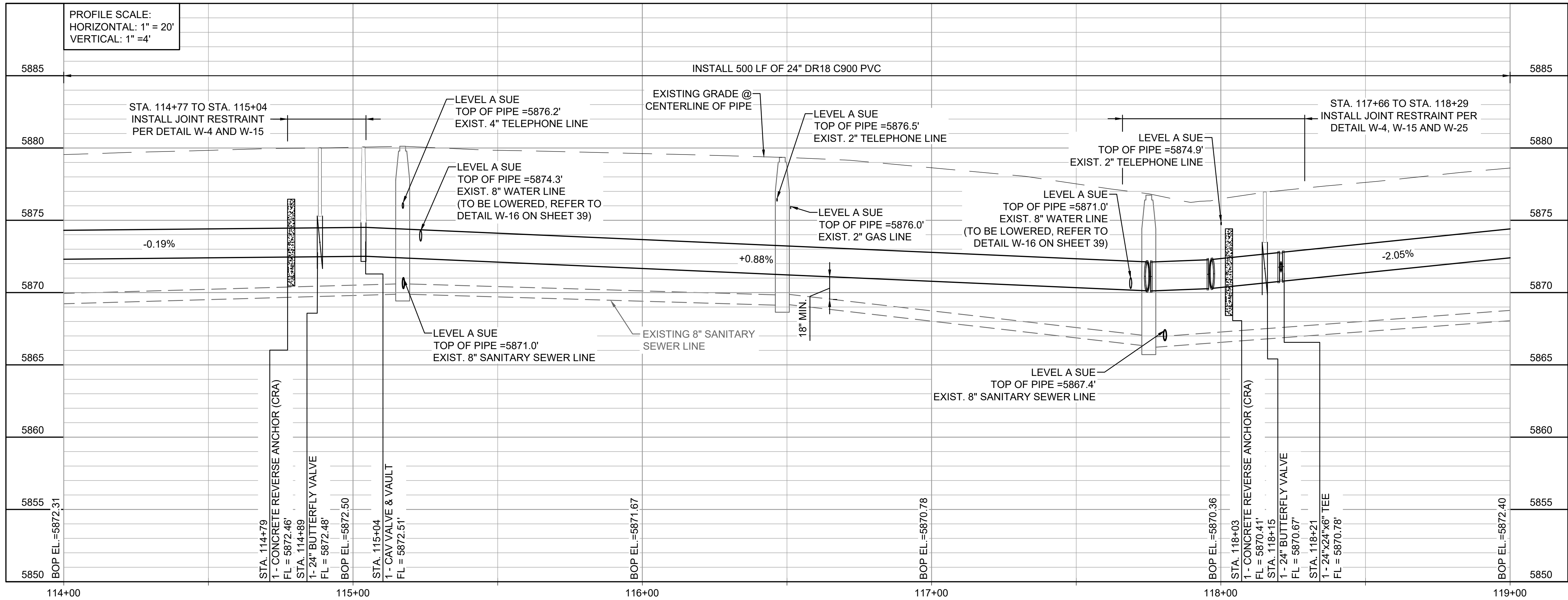
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C321**

SHEET NUMBER  
**31**



File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05-C322.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AEOnono.ctb Plot Date: 12/5/2022 4:04 PM Plotter used: None



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



12/07/2022

BY	DESCRIPTION	DATE	REV.



WIDFIELD WATER  
AND SANITATION  
DISTRICT  
WIDFIELD, COLORADO

UPPER WEST TO EAST  
TRANSMISSION LINE

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

JOB NO.: 21W23110  
DATE: DECEMBER 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

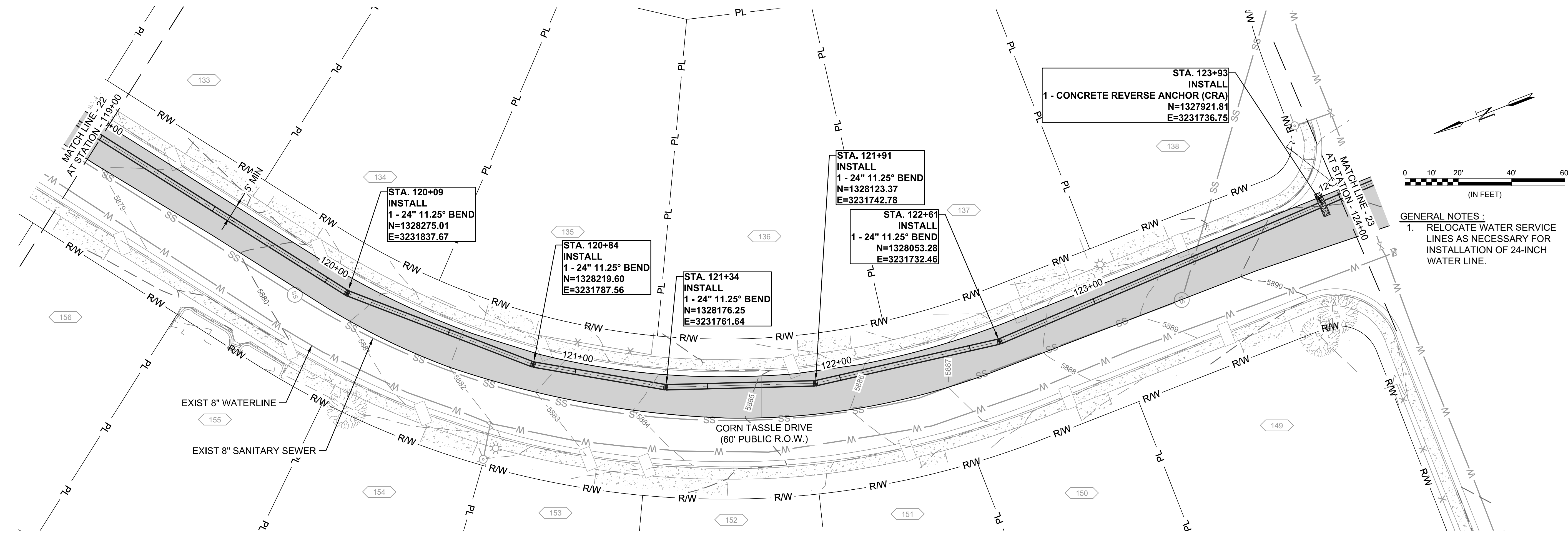
**05-C322**

SHEET  
NUMBER **32**

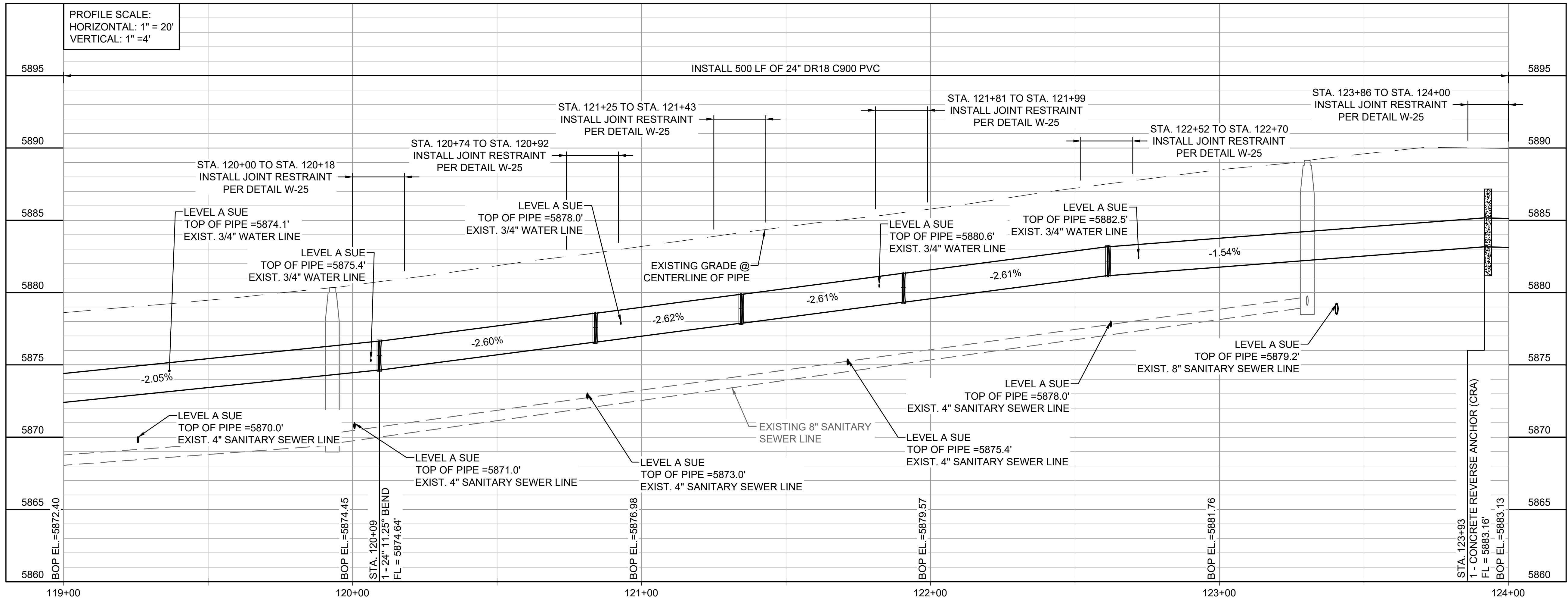
EPC 2/14/2023




File: L:\2021\21W23110 - WWSO UW2E CMARDrawings\WWSO UM CMAR - 05- C323.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Scale: 1/2"=40' Plot Date: 12/5/2022 4:09 PM Plotter used: None

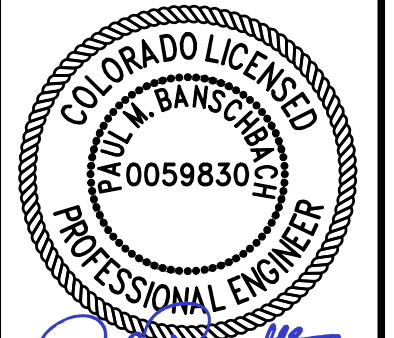


GENERAL NOTES:  
1. RELOCATE WATER SERVICE LINES AS NECESSARY FOR INSTALLATION OF 24-INCH WATER LINE.






© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

BY	DESCRIPTION	DATE	REV.



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: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

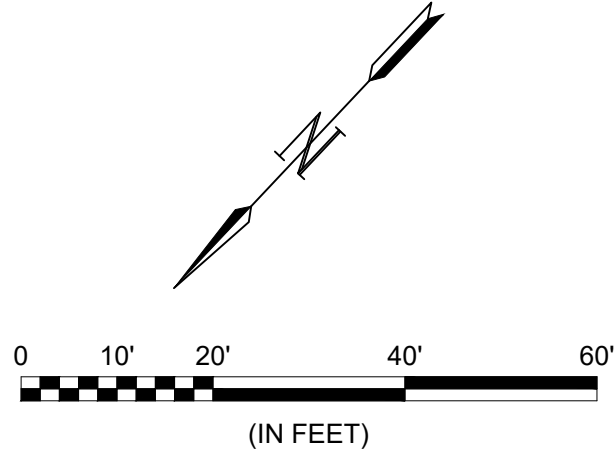
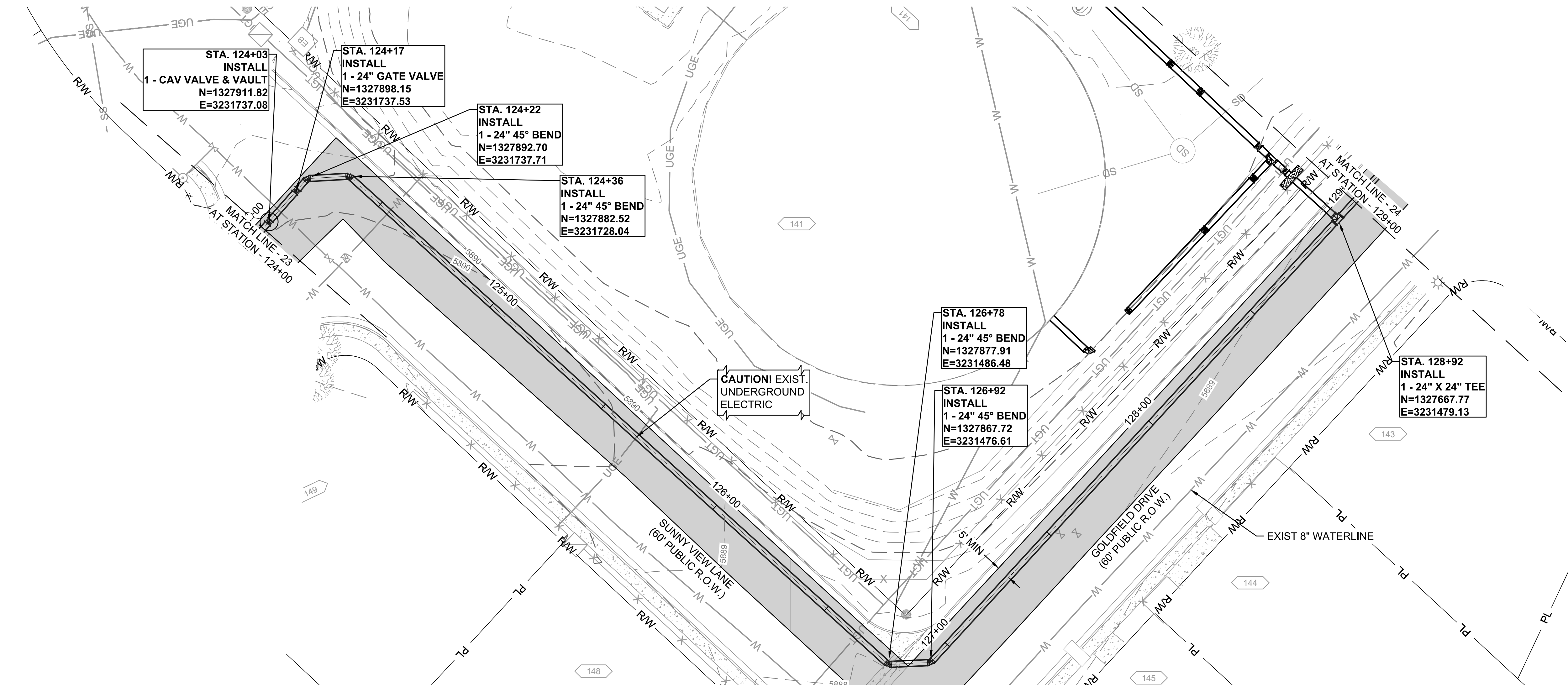
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C323**

SHEET NUMBER  
**33**

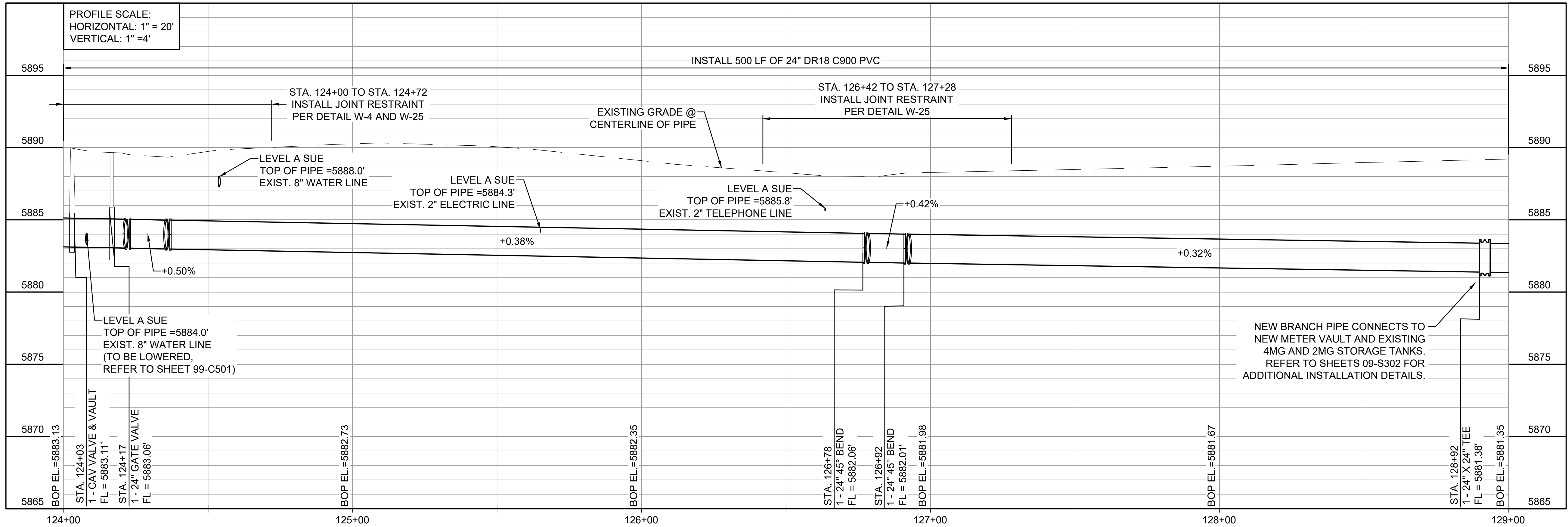


File: L:\2021\21W23110 - WWSD UW2E CMAR\Drawings\WWSD UM CMAR - 05- C324.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Date: 12/5/2022 4:12 PM Plotter used: None



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

© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



EPC 2/14/2023

REV.	DATE	DESCRIPTION	BY

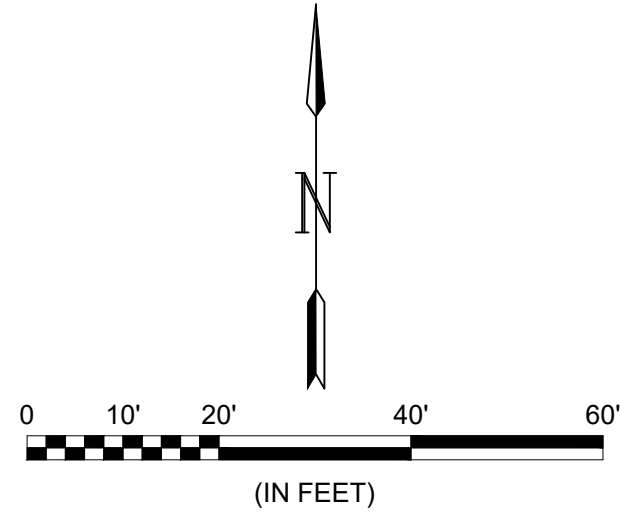
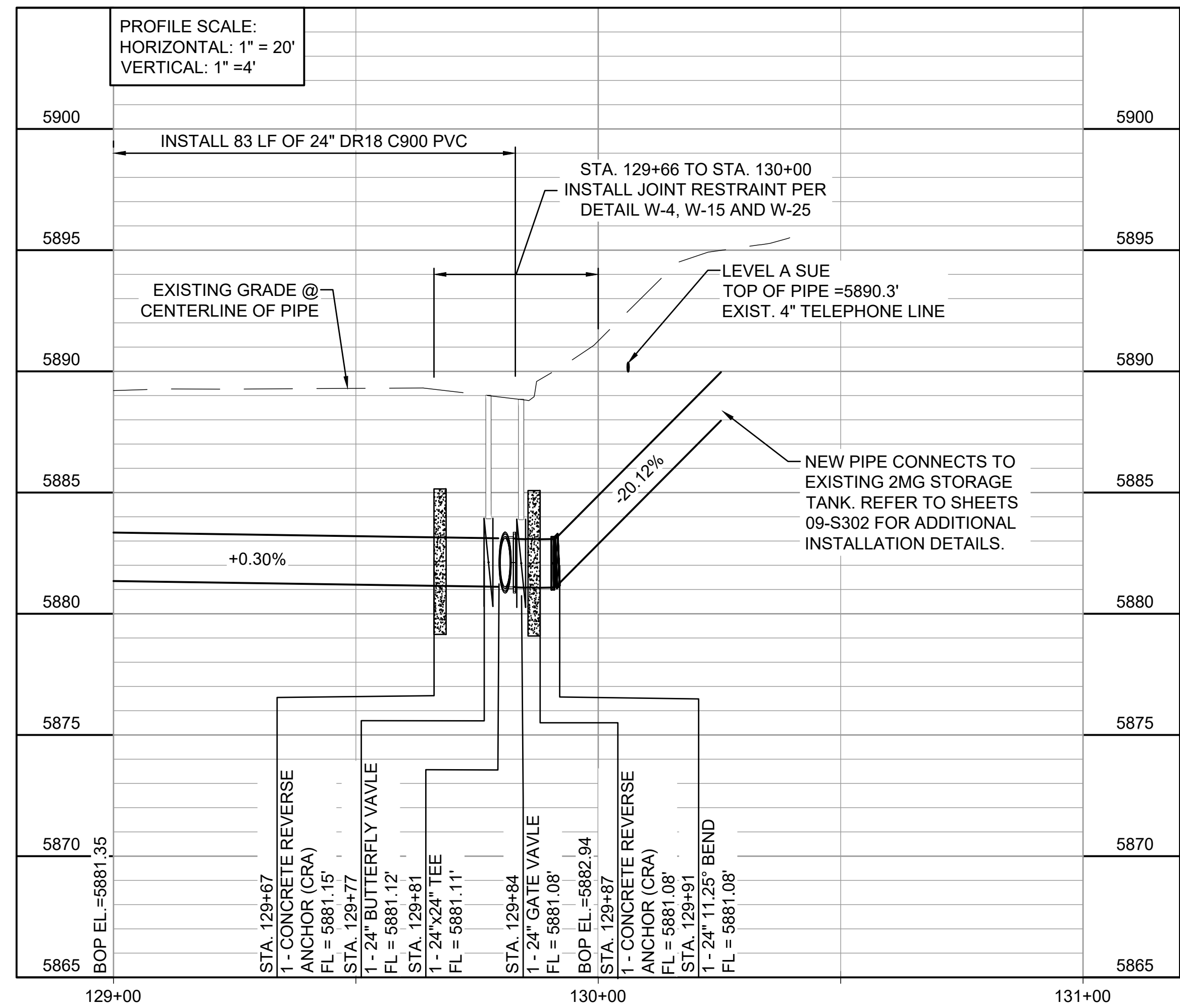
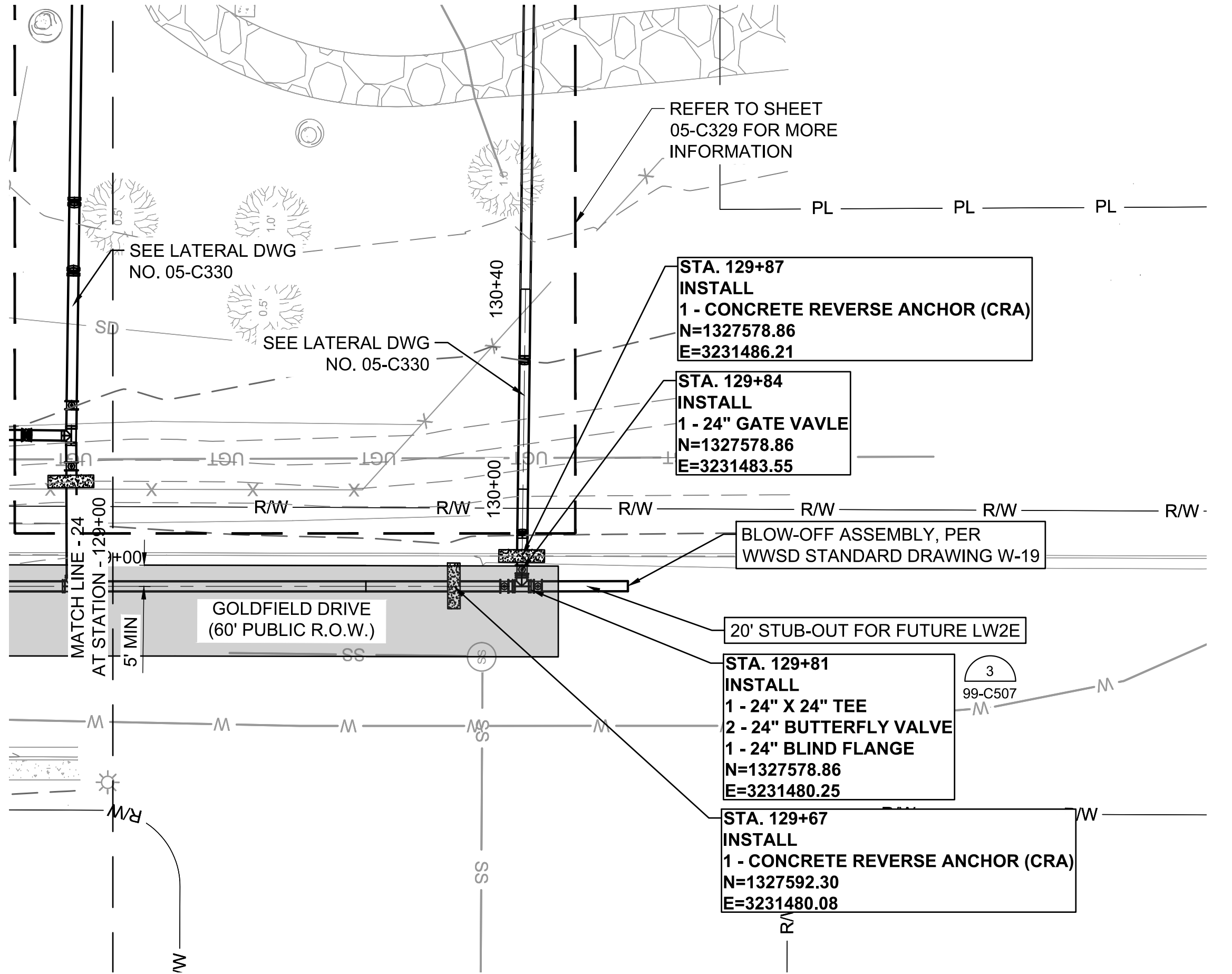
WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO


UPPER WEST TO EAST TRANSMISSION LINE

PLAN AND PROFILE (STA. 124+00 TO STA. 129+00)
JOB NO.: 21W23110 DATE: DECEMBER 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 <b>05-C324</b>
SHEET NUMBER <b>34</b>




File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05- C325.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonochrome.ctb Plot Date: 12/5/2022 4:16 PM Plotter used: None





© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



12/07/2022

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: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

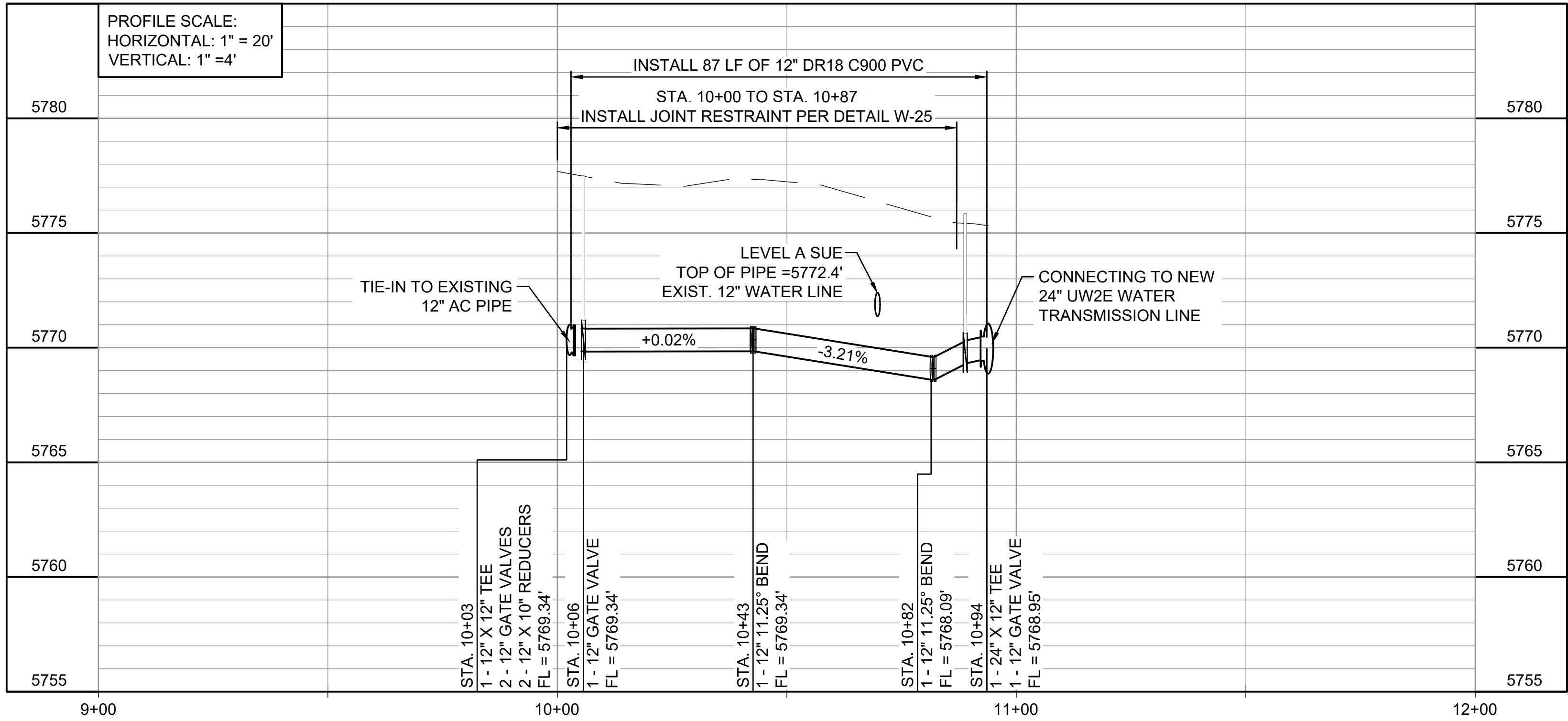
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET,  
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C325**

SHEET  
NUMBER **35**




File: L:\202\12\1W23110 - WWSD UW2E CMAR\Drawings\WWSD UM CMAR - 05- C326.dwg, Last Save: 11/7/2022 4:05 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonro.ctb Plot Scale: 1:2.5949 Plot Date: 12/5/2022 4:18 PM Plotter used: None



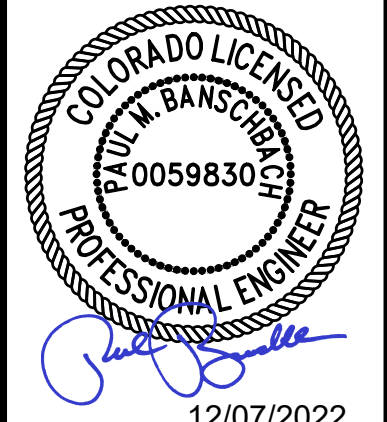
1  
05-C301

12" WATER LINE LATERAL AT BOOSTER 2 PUMP STATION

SCALE: 1" = 20'




© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

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: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

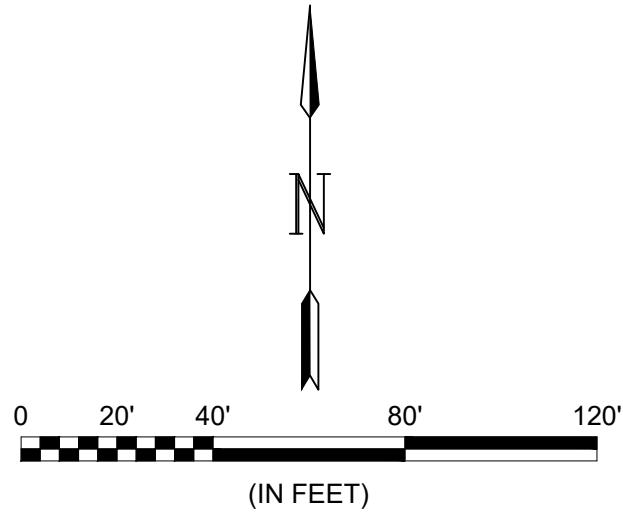
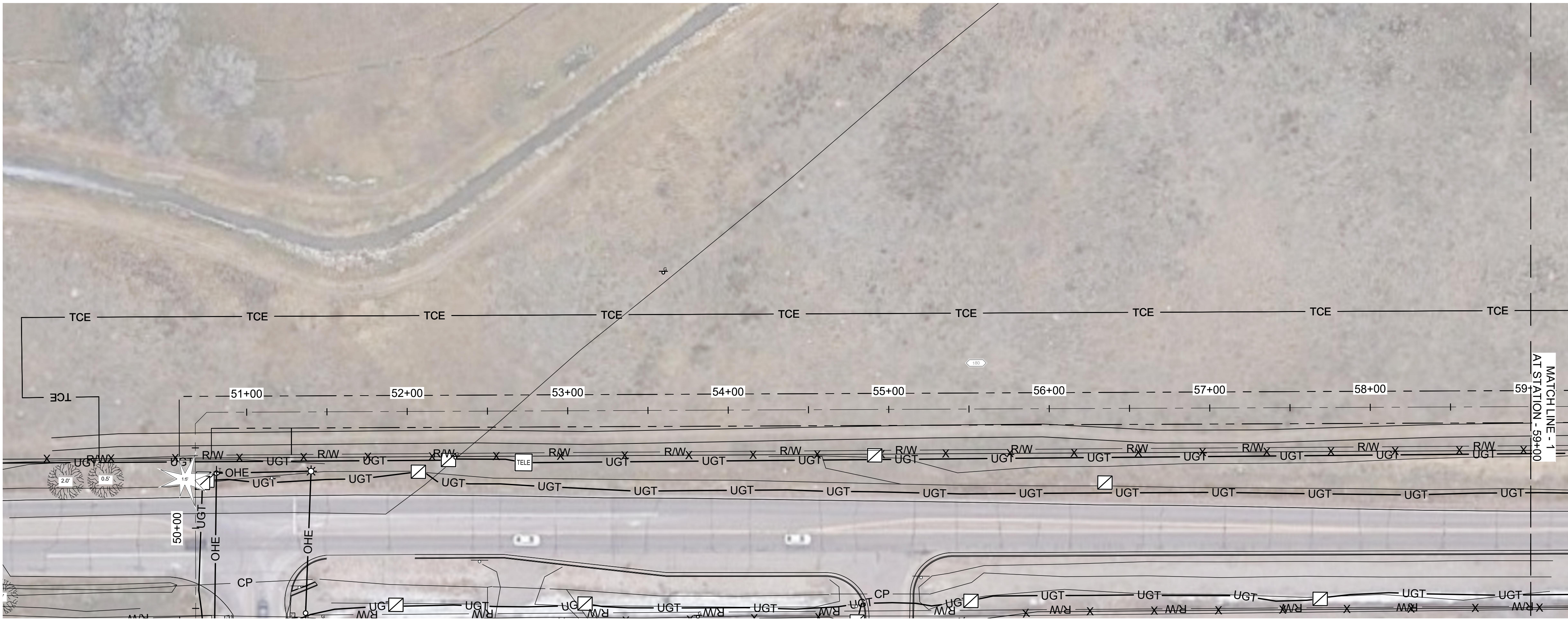
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C326**


SHEET NUMBER  
**36**




File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\TRAIL REPLACEMENT.dwg Last Save: 11/7/2022 4:06 PM Last saved by: F.Chavez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmon.ctb Plot Scale: 1:2,594.9 Plot Date: 12/5/2022 4:27 PM Plotter Used: None



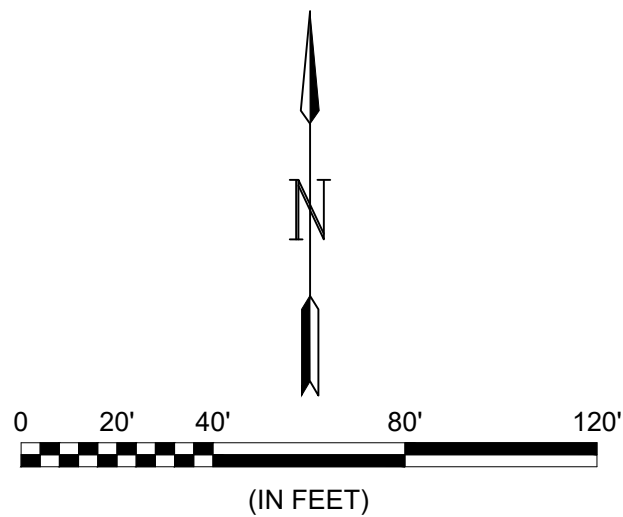
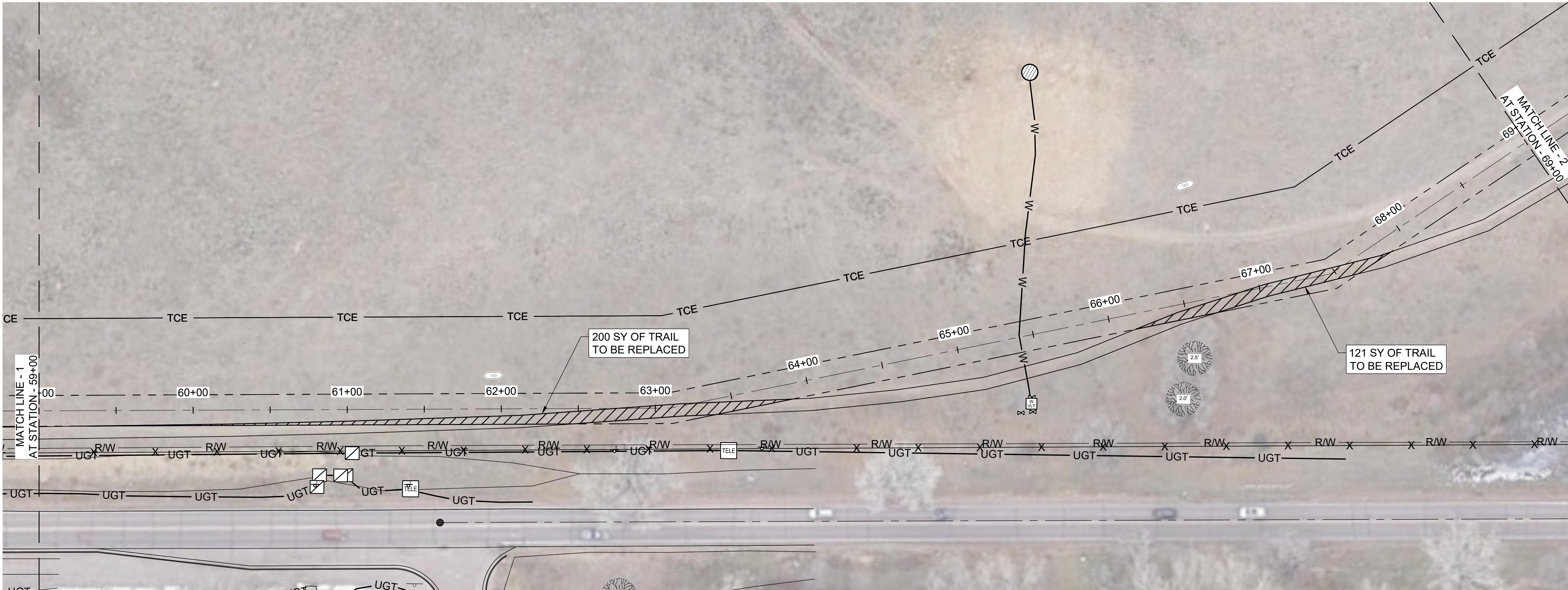
- GENERAL NOTES:**
- FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. CONTRACTOR TO:
    - INSTALL CLASS 6 ABC AT 6" DEPTH AND WIDTH MATCHING EXISTING, COMPACTED TO 95% DENSITY PER ASTM D1557 AT OPTIMUM MOISTURE CONTENT.
    - 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.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022





WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

TRAIL REPLACEMENT LAYOUT

JOB NO.: 21W23110  
DATE: DECEMBER 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.

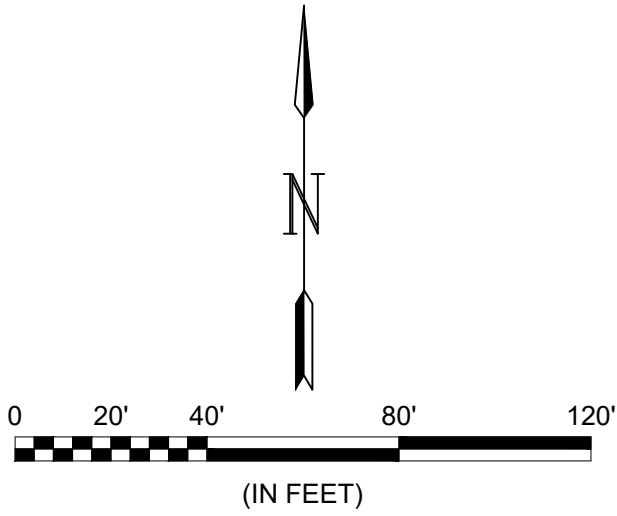
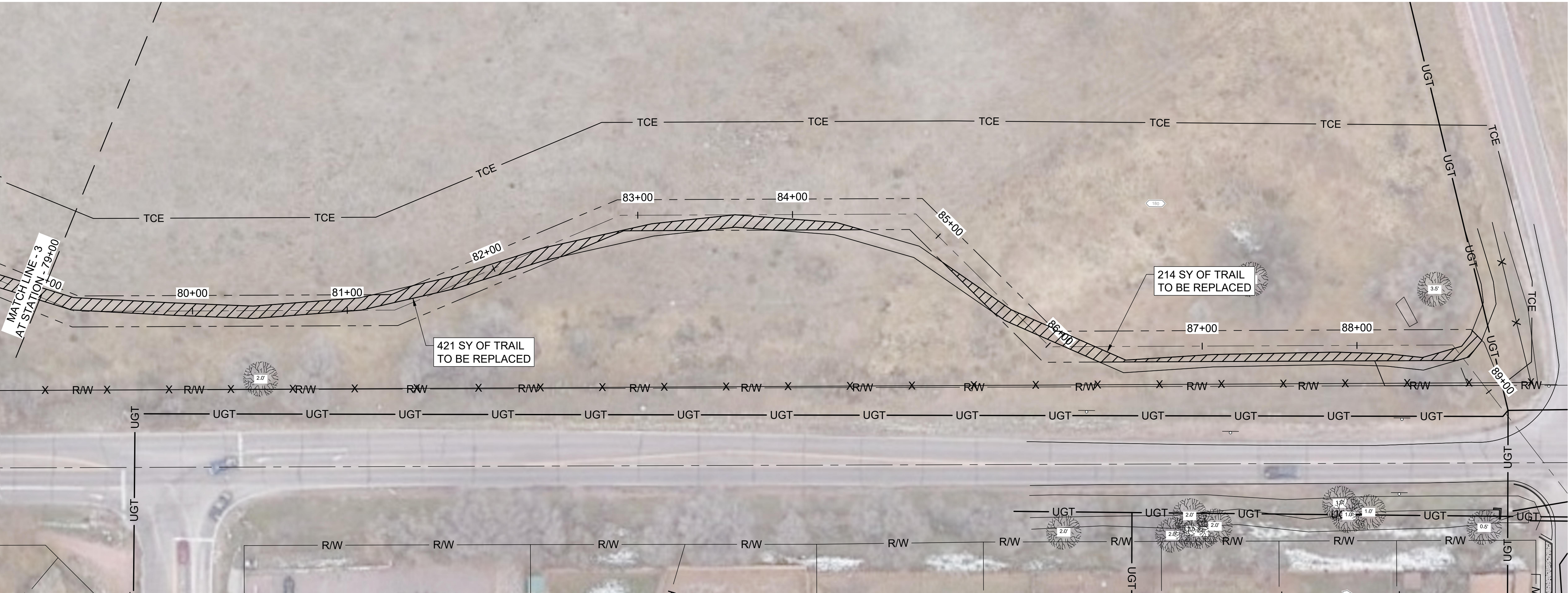
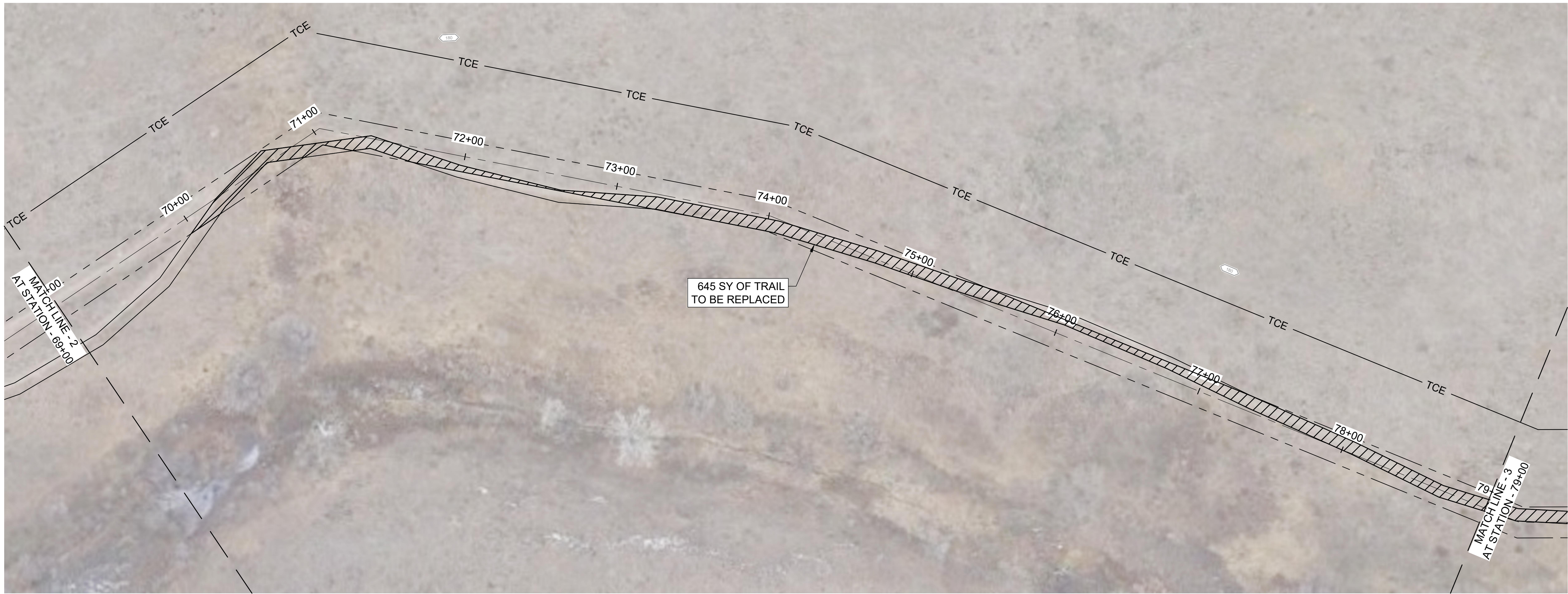
DRAWING NUMBER  
**05-C327**

SHEET NUMBER  
**37**

EPC 2/14/2023



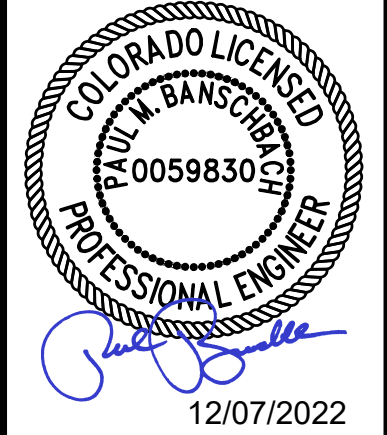
File: L:\2021\21W23110 - WWSD UW2E CMAR\Drawings\TRAIL REPLACEMENT 2.dwg Last Save: 11/7/2022 4:06 PM Last saved by: FJChavez  
Last plotted by: Martinez, Ervin S. Plot Style: AECmonr.ctb Plot Scale: 1:2,5949 Plot Date: 12/5/2022 4:27 PM Plotter Used: None



- GENERAL NOTES:**
- FOR THE EXISTING PRIVATE TRAIL WITHIN THE OWNER'S ACQUIRED EASEMENTS, CONTRACTOR TO RECOVER AND RESTORE THE DISTURBED AREAS. CONTRACTOR TO:
    - INSTALL CLASS 6 ABC AT 6" DEPTH AND WIDTH MATCHING EXISTING, 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.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



REV.	DATE	DESCRIPTION	BY

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

**TRAIL REPLACEMENT LAYOUT 2**

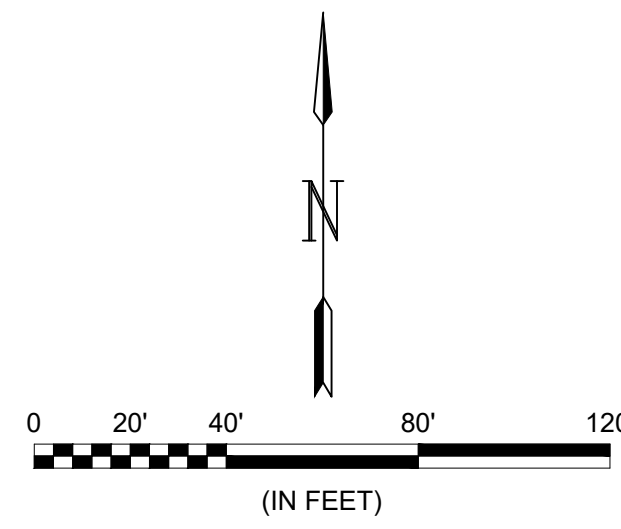
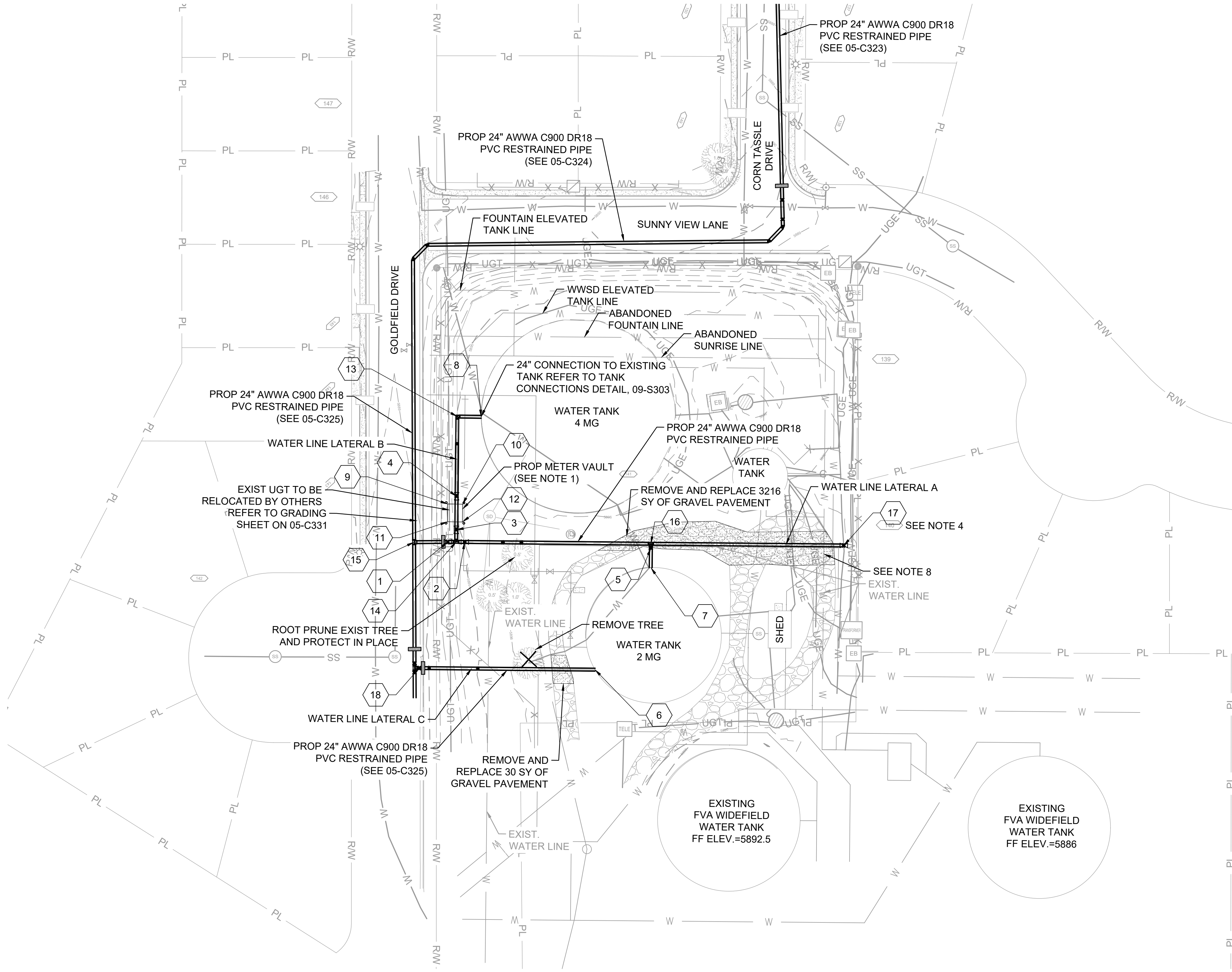
JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

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**  
**38**

EPC 2/14/2023




File: L:\2021\12\12\2110 - WWSD UW2E CMARDrawings\WWSD UM CMAR - 05-C326.dwg, Last Save: 12/20/2022 1:53 PM, Last saved by: FJChavez  
Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmonochrome.ctb Plot Scale: 1/2"=1'-0" Plot Date: 12/20/2022 1:57 PM Plotter used: None




- NOTES**
1. REFER TO METER VAULT DETAIL FOR ADDITIONAL INFORMATION.
  2. UTILITIES IN TANK FARM ARE SHOWN ACCORDING TO SUE LEVEL D UNLESS OTHERWISE NOTED. FIELD VERIFY UTILITY DEPTH AT ALL CROSSINGS PRIOR TO CONSTRUCTING WATER LINE.
  3. 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 ON EACH JOINT END OF THE CONNECTION PRIOR TO TAPPING THE EXISTING WATER LINE.
  4. ALL YARD PIPING SHALL BE RESTRAINED WITH MECHANICAL JOINTS. SEE TANK FARM LATERAL ON SHEET 05-C330 FOR INFORMATION.
  5. CONTRACTOR TO COORDINATE WITH OWNER AND ENGINEER FOR TANK TIE-IN CONNECTIONS AND DISINFECTION.
  6. SUPPORT EXISTING UNDERGROUND ELECTRIC AND WATER LINES AS NECESSARY TO TAP EXISTING WATER LINE. PROVIDE TEMPORARY ADJUSTMENTS OF WATER LINE IF NECESSARY.
  7. REFER TO GRAVEL PAVING AREA DETAIL FOR ADDITIONAL INFORMATION.

SITE WORK POINTS				
POINT #	DESCRIPTION	STA.	NORTHING	EASTING
1	24" GATE VALVE	STA. 200+23	1327668.15	3231502.83
2	24" GATE VALVE	STA. 200+35	1327668.24	3231514.88
3	24" GATE VALVE	STA. 300+08	1327676.82	3231508.88
4	24" GATE VALVE	STA. 300+32	1327700.41	3231508.88
5	24" GATE VALVE	STA. 201+67	1327665.04	3231646.43
6	WATER TANK CONNECTION (2 MG)	-	1327578.89	3231607.76
7	WATER TANK CONNECTION (2 MG)	-	1327651.24	3231646.55
8	WATER TANK CONNECTION (4 MG)	-	1327756.74	3231525.69
9	NW CORNER OF METER VAULT	-	1327694.92	3231502.64
10	NE CORNER OF METER VAULT	-	1327694.92	3231513.14
11	SW CORNER OF METER VAULT	-	1327682.37	3231502.67
12	SE CORNER OF METER VAULT	-	1327682.42	3231513.14
13	24" 90° BEND	STA. 300+88	1327756.77	3231508.88
14	24" TEE	STA. 300+00	1327668.24	3231508.88
15	24" TEE	STA. 200+00	1327667.77	3231479.13
16	24" TEE	STA. 201+67	1327668.12	3231646.43
17	30" X 24" TAPPING SLEEVE & VALVE	STA. 203+03	1327668.12	3231782.71
18	24" GATE VALVE	STA. 400+03	1327578.86	3231483.57

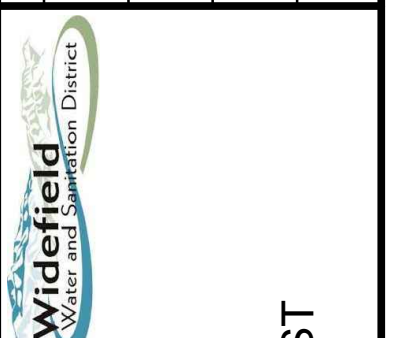
EPC 2/14/2023



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



BY: [ ]  
DESCRIPTION: [ ]  
DATE: [ ]  
REV: [ ]



WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

YARD PIPING PLAN

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

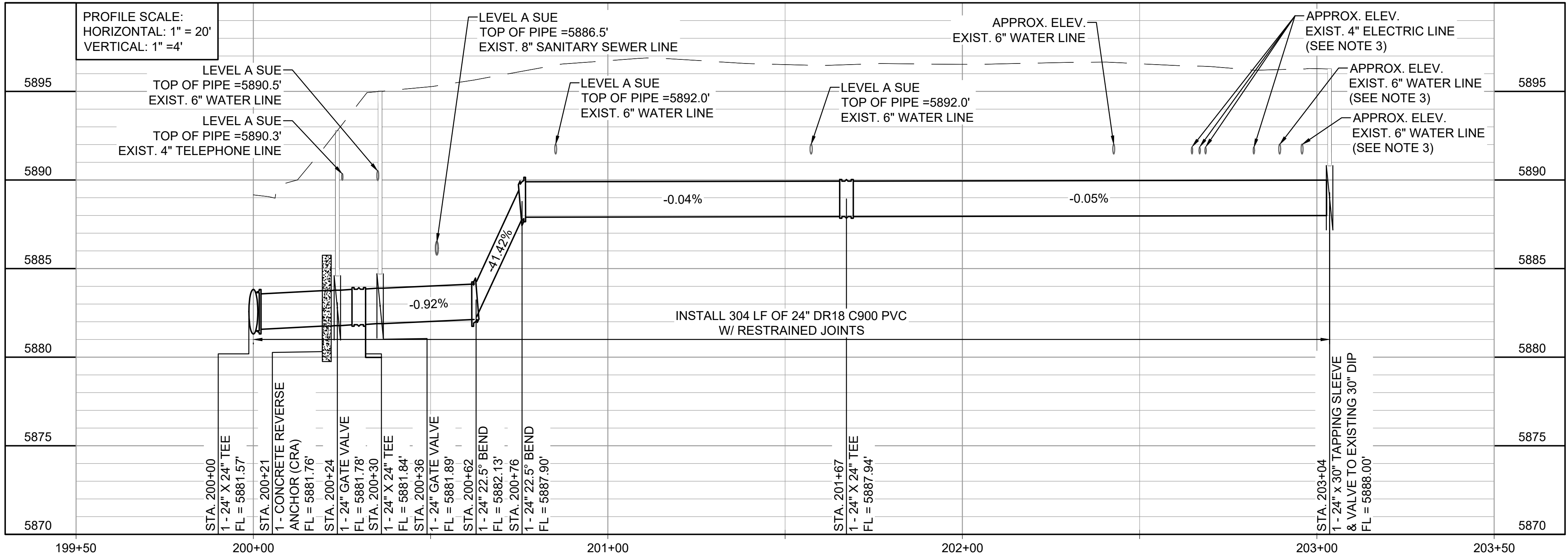
BAR IS ONE INCH ON ORIGINAL DRAWING  
0" 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C329**

SHEET NUMBER  
**39**



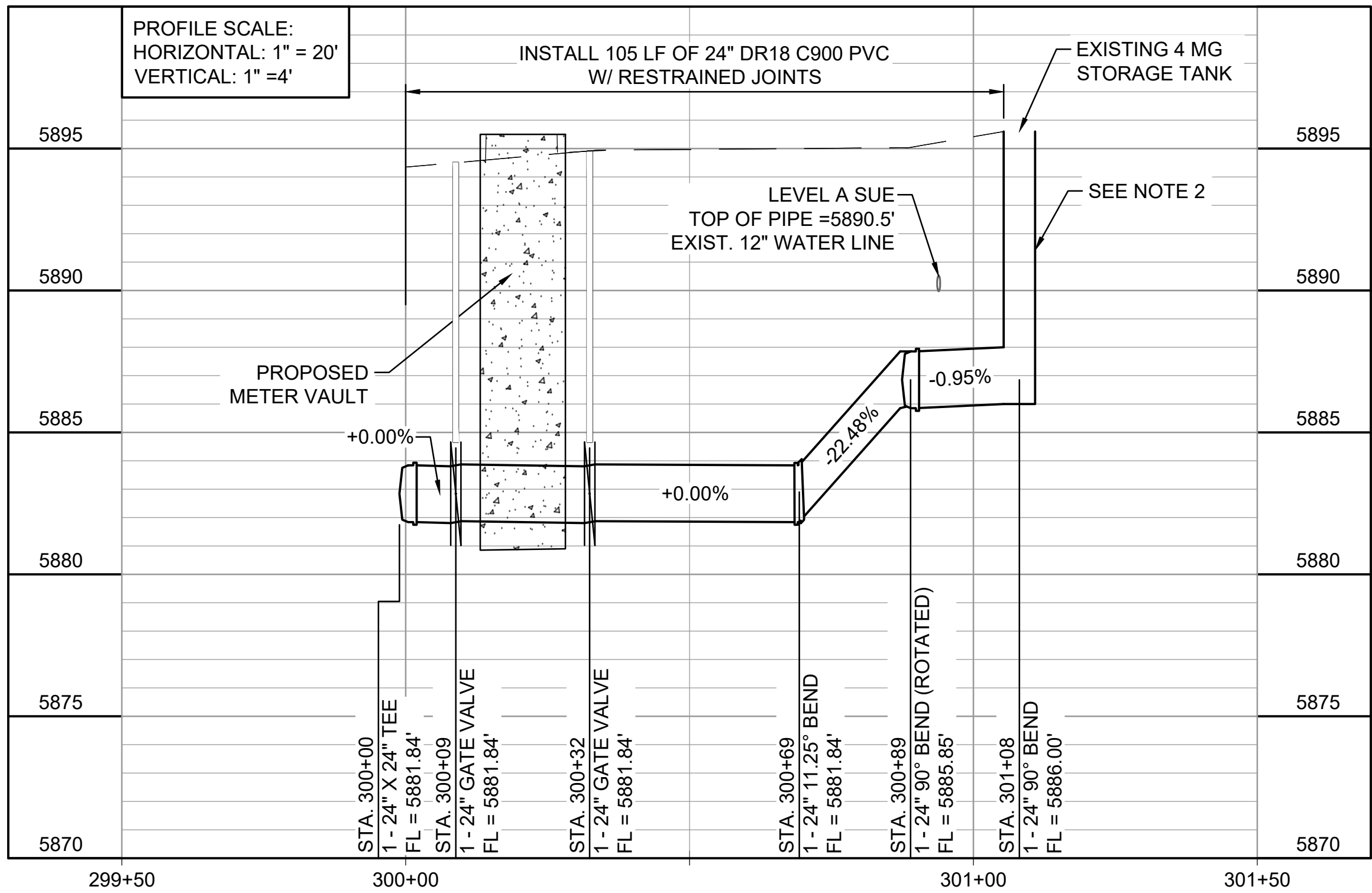
File: L:\2021\12\12\23110 - WWSDD UW2E CMARDrawings\WWSDD UM CMAR - 05- C330.dwg, Last Save: 12/20/2022 1:54 PM, Last saved by: FJChavez  
Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmonochrome.ctb Plot Scale: 1/2"=40' Plot Date: 12/20/2022 1:59 PM Plotter Used: None



1  
05-C301

### WATER LINE LATERAL A

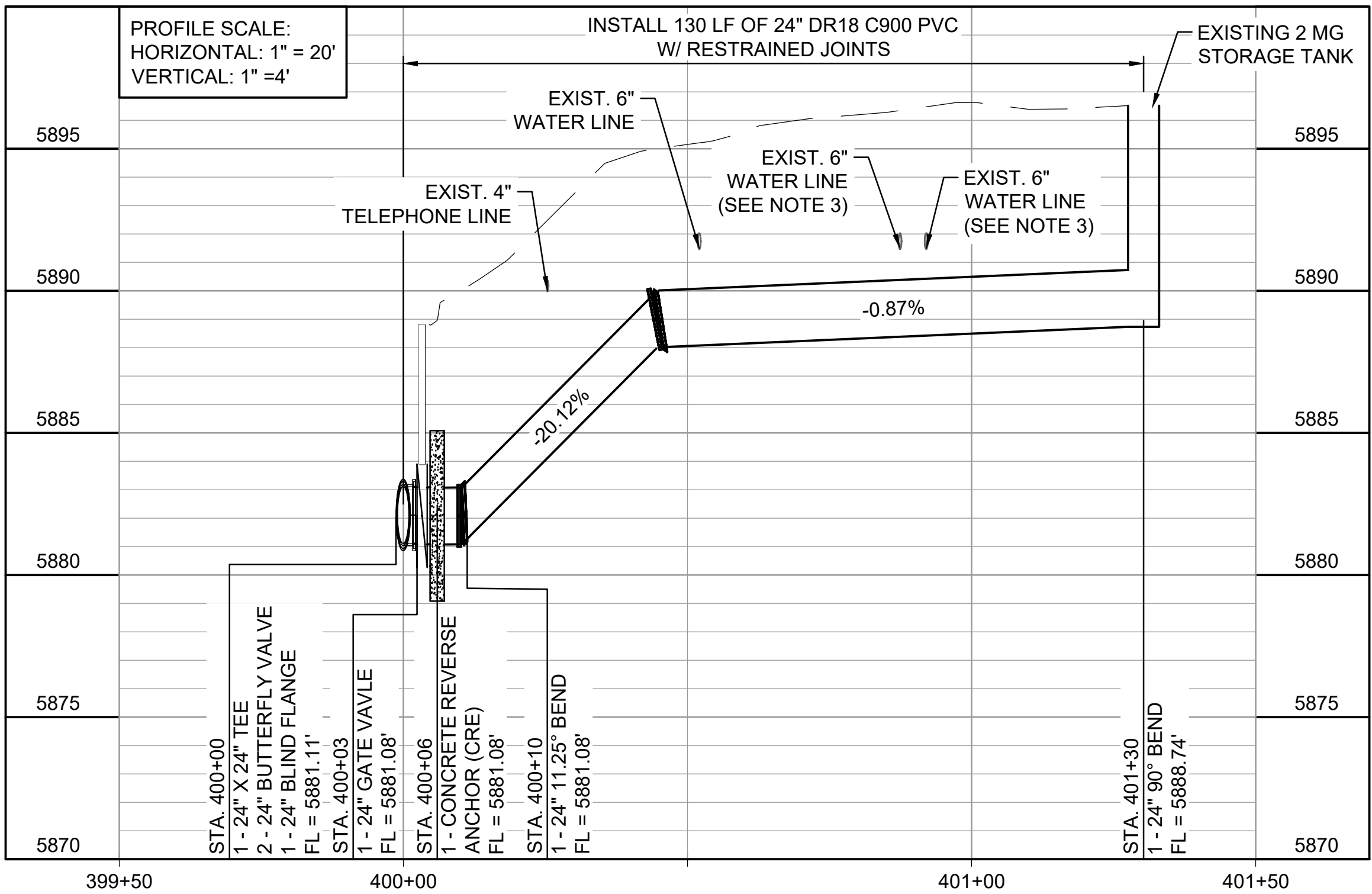
SCALE: 1" = 20'



2  
05-C301

### WATER LINE LATERAL B

SCALE: 1" = 20'



3  
05-C301

### WATER LINE LATERAL C

SCALE: 1" = 20'

#### NOTES

- ALL YARD PIPING SHALL BE RESTRAINED WITH MECHANICAL JOINTS.
- REFER TO TANK CONNECTION DETAIL ON DRAWING NUMBER 09-S303.
- UTILITIES IN TANK FARM ARE SHOWN ACCORDING TO SUE LEVEL D UNLESS OTHERWISE NOTED. FIELD VERIFY UTILITY DEPTH AT ALL CROSSINGS PRIOR TO CONSTRUCTING WATER LINE.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



BY	DESCRIPTION	DATE	REV.

WIDEFIELD WATER  
AND SANITATION  
DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST  
TRANSMISSION LINE

TANK FARM  
LATERALS

JOB NO.: 21W23110  
DATE: DECEMBER 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

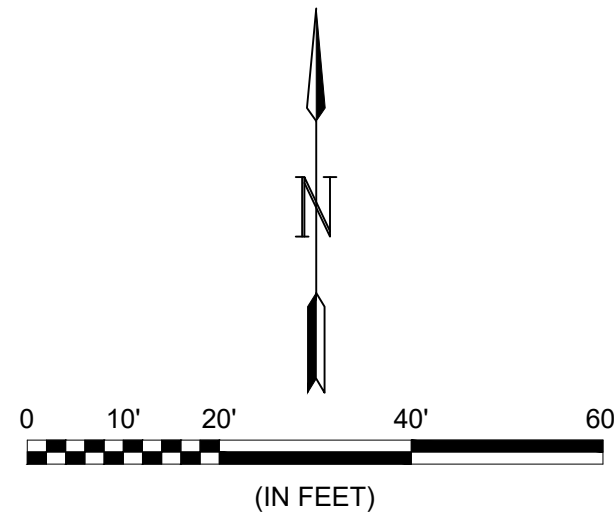
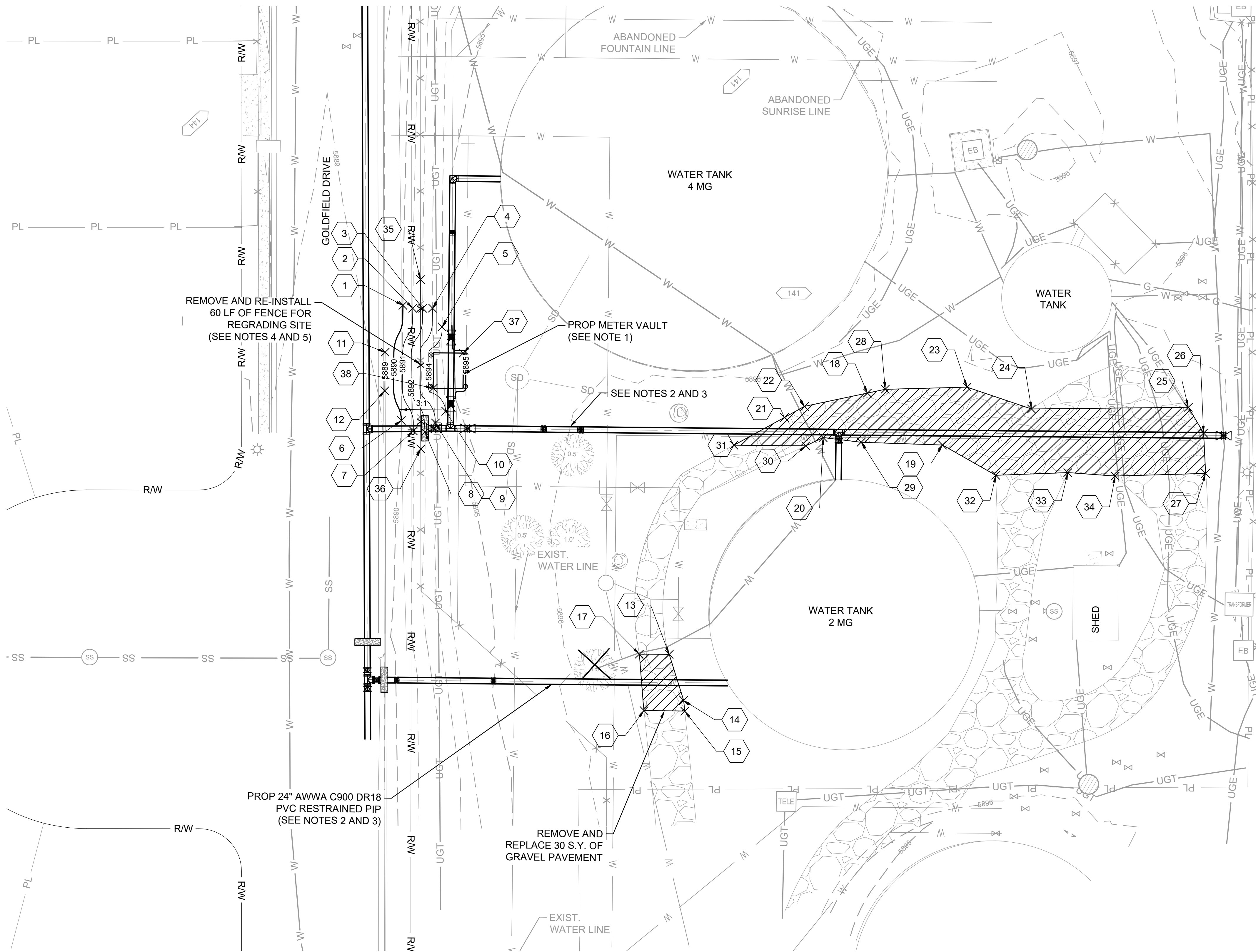
**05-C330**

SHEET  
NUMBER **40**

EPC 2/14/2023




File: L:\2021\21W23110 - WWSD UW2E CMARDrawings\EXHIBITS\Exhibit\_Tank\_Farm.dwg Last Save: 12/13/2022 1:47 PM Last saved by: F.Chavez  
Last plotted by: Chavez, Francisco J. (Paco) Plot Style: AECmon.ctb Plot Scale: 1/2"=1' Plot Date: 12/19/2022 3:35 PM Plotter used: None




SITE WORK POINTS				
POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
1	TIE INTO EXISTING GRADE	5890.00	1327711.68	3231491.65
2	TIE INTO EXISTING GRADE	5891.00	1327710.66	3231495.13
3	TIE INTO EXISTING GRADE	5892.00	1327710.73	3231498.63
4	TIE INTO EXISTING GRADE	5893.00	1327710.80	3231502.13
5	TIE INTO EXISTING GRADE	5894.00	1327704.20	3231505.57
6	TIE INTO EXISTING GRADE	5890.00	1327670.89	3231491.42
7	TIE INTO EXISTING GRADE	5891.00	1327667.25	3231495.73
8	TIE INTO EXISTING GRADE	5892.00	1327666.81	3231499.86
9	TIE INTO EXISTING GRADE	5893.00	1327670.13	3231503.52
10	TIE INTO EXISTING GRADE	5894.00	1327674.29	3231507.13
11	TIE INTO EXISTING GRADE	5889.00	1327695.02	3231485.49
12	TIE INTO EXISTING GRADE	5889.00	1327681.38	3231485.51
13	CORNER OF GRAVEL PAVEMENT	5896.48	1327588.86	3231587.05
14	CORNER OF GRAVEL PAVEMENT	5896.33	1327572.59	3231592.31
15	CORNER OF GRAVEL PAVEMENT	5896.35	1327568.78	3231592.74
16	CORNER OF GRAVEL PAVEMENT	5896.68	1327568.86	3231578.29
17	CORNER OF GRAVEL PAVEMENT	5896.50	1327588.86	3231576.48
18	CORNER OF GRAVEL PAVEMENT	5896.60	1327682.06	3231656.44
19	CORNER OF GRAVEL PAVEMENT	5896.50	1327663.90	3231683.18
20	CORNER OF GRAVEL PAVEMENT	5896.62	1327666.15	3231640.90
21	CORNER OF GRAVEL PAVEMENT	5896.51	1327673.17	3231627.12
22	CORNER OF GRAVEL PAVEMENT	5896.46	1327677.15	3231634.20
23	CORNER OF GRAVEL PAVEMENT	5896.65	1327684.47	3231691.70
24	CORNER OF GRAVEL PAVEMENT	5896.70	1327676.94	3231714.60
25	CORNER OF GRAVEL PAVEMENT	5896.22	1327678.04	3231770.15
26	CORNER OF GRAVEL PAVEMENT	5896.27	1327668.95	3231775.62
27	CORNER OF GRAVEL PAVEMENT	5896.23	1327654.66	3231776.46
28	CORNER OF GRAVEL PAVEMENT	5896.64	1327683.45	3231662.71
29	CORNER OF GRAVEL PAVEMENT	5896.56	1327664.61	3231654.36
30	CORNER OF GRAVEL PAVEMENT	5896.46	1327663.17	3231634.75
31	CORNER OF GRAVEL PAVEMENT	5896.64	1327663.18	3231609.31
32	CORNER OF GRAVEL PAVEMENT	5896.54	1327653.32	3231702.18
33	CORNER OF GRAVEL PAVEMENT	5896.59	1327654.51	3231727.67
34	CORNER OF GRAVEL PAVEMENT	5896.47	1327653.44	3231744.45
35	START OF FENCE REPLACEMENT	5891.75	1327720.87	3231497.79
36	END OF FENCE REPLACEMENT	5891.75	1327660.87	3231498.40
37	NE BUILDING CORNER	5895.50	1327694.92	3231513.14
38	SW BUILDING CORNER	5895.50	1327682.42	3231502.64

- NOTES
1. REFER TO METER VAULT DETAIL FOR ADDITIONAL INFORMATION.
  2. MATCH EXISTING GRADE ALONG THE PROPOSED WATER LINE.
  3. HYDROMULCH DISTURBED AREAS UPON COMPLETION OF WATER LINE.
  4. FENCE LINE SHALL MATCH GRADE AND POSTS SHALL BE INSTALLED IN ORIGINAL LOCATIONS.
  5. INSTALL TEMPORARY FENCE UPON REMOVING EXISTING FENCE. MAINTAIN SITE SECURITY AND ACCESS AT ALL TIME.

EPC 2/14/2023




© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



FRANCISCO J. CHAVEZ  
No. 52412  
12/31/2025  
PROFESSIONAL ENGINEER  
STATE OF COLORADO

BY:				
DESCRIPTION:				
DATE:				
REV:				



WIDEFIELD WATER  
AND SANITATION  
DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST  
TRANSMISSION LINE

GRADING PLAN

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

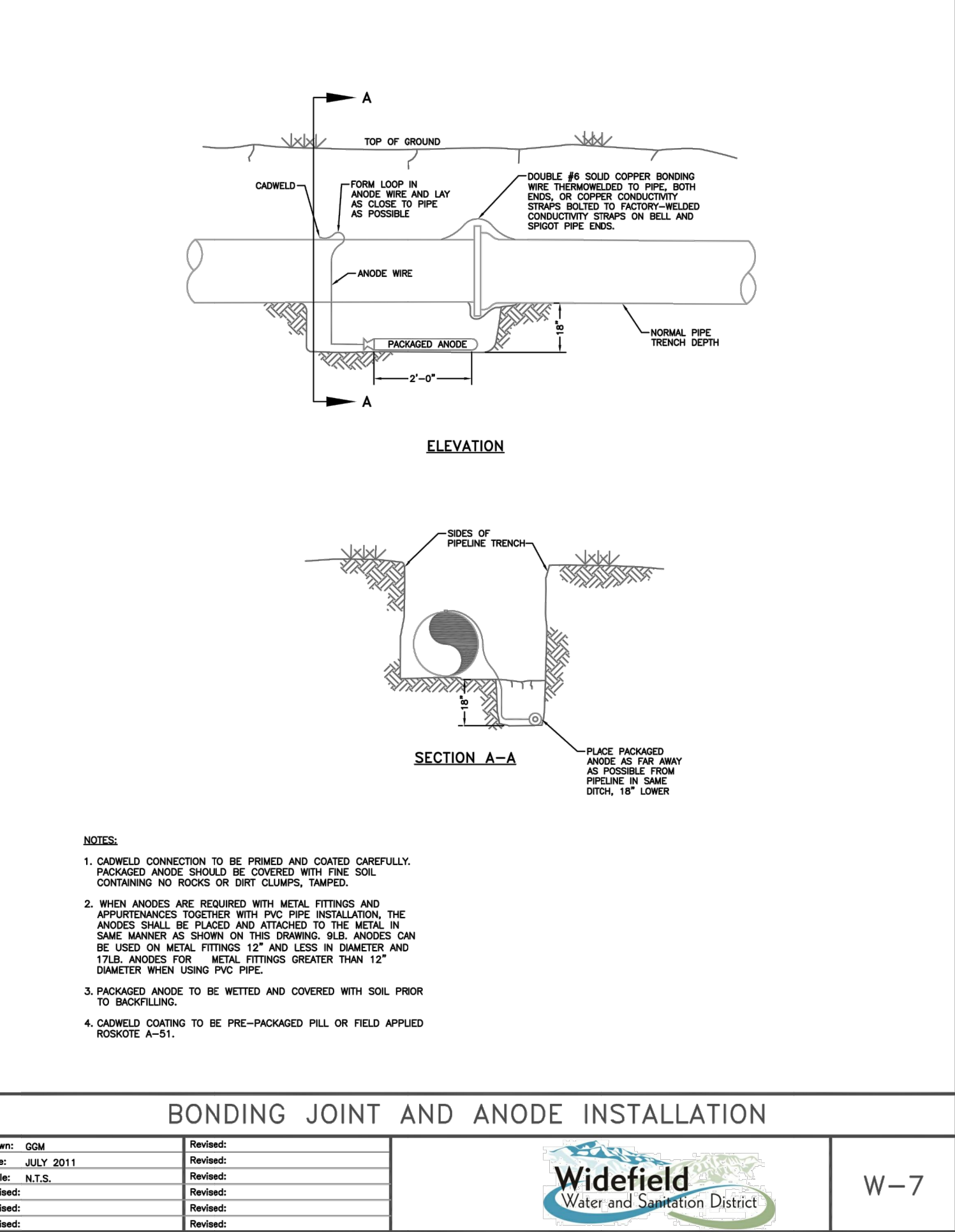
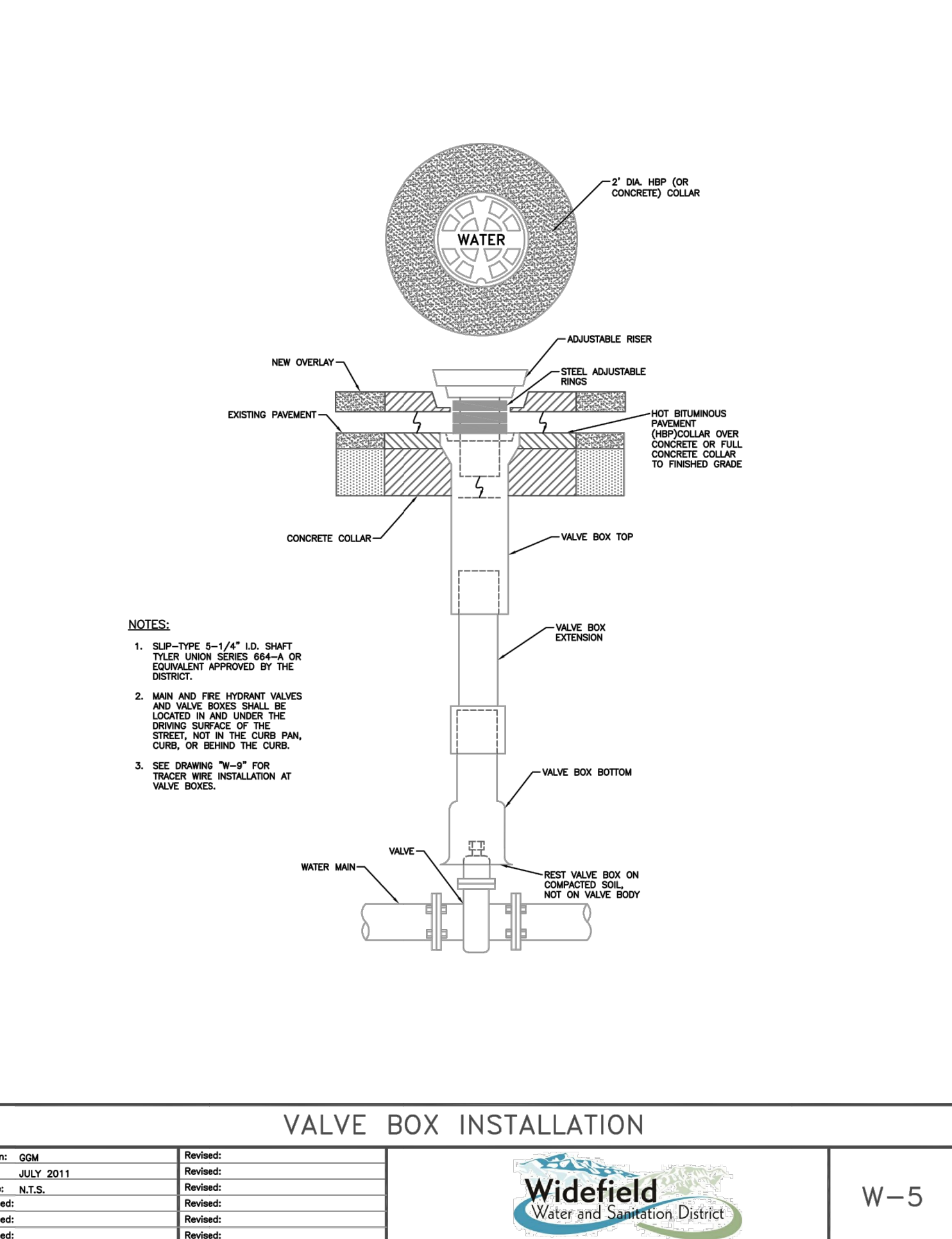
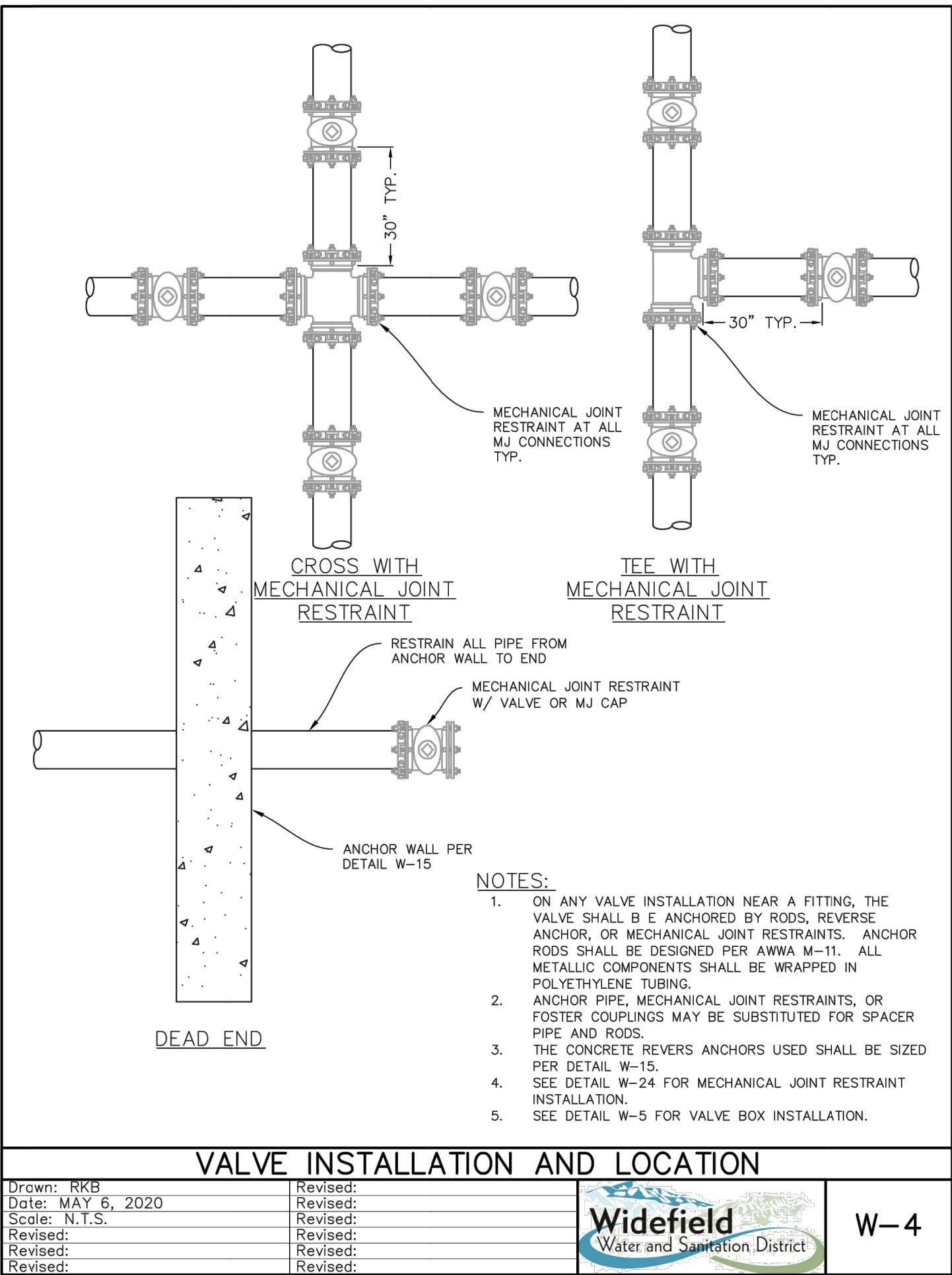
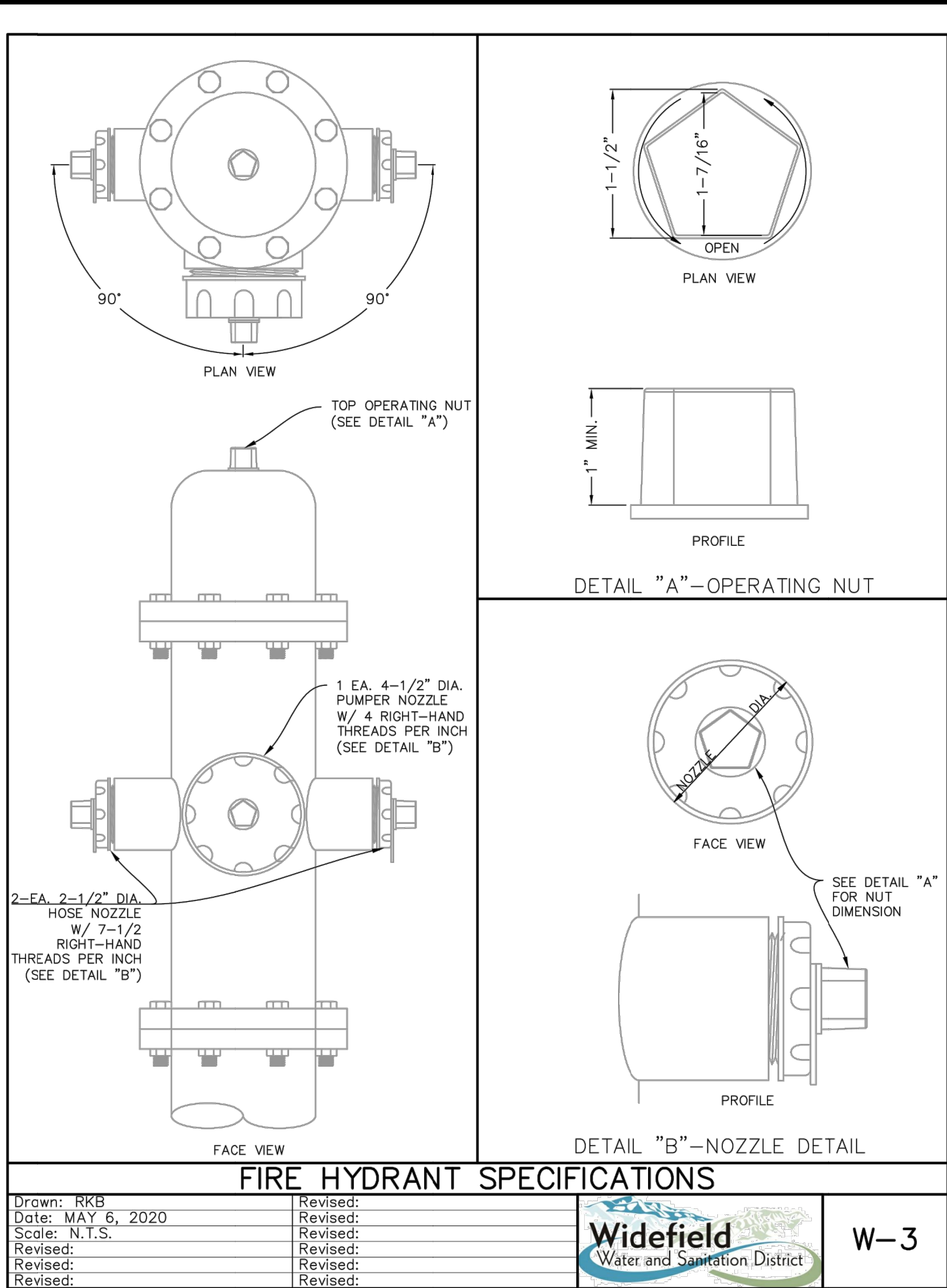
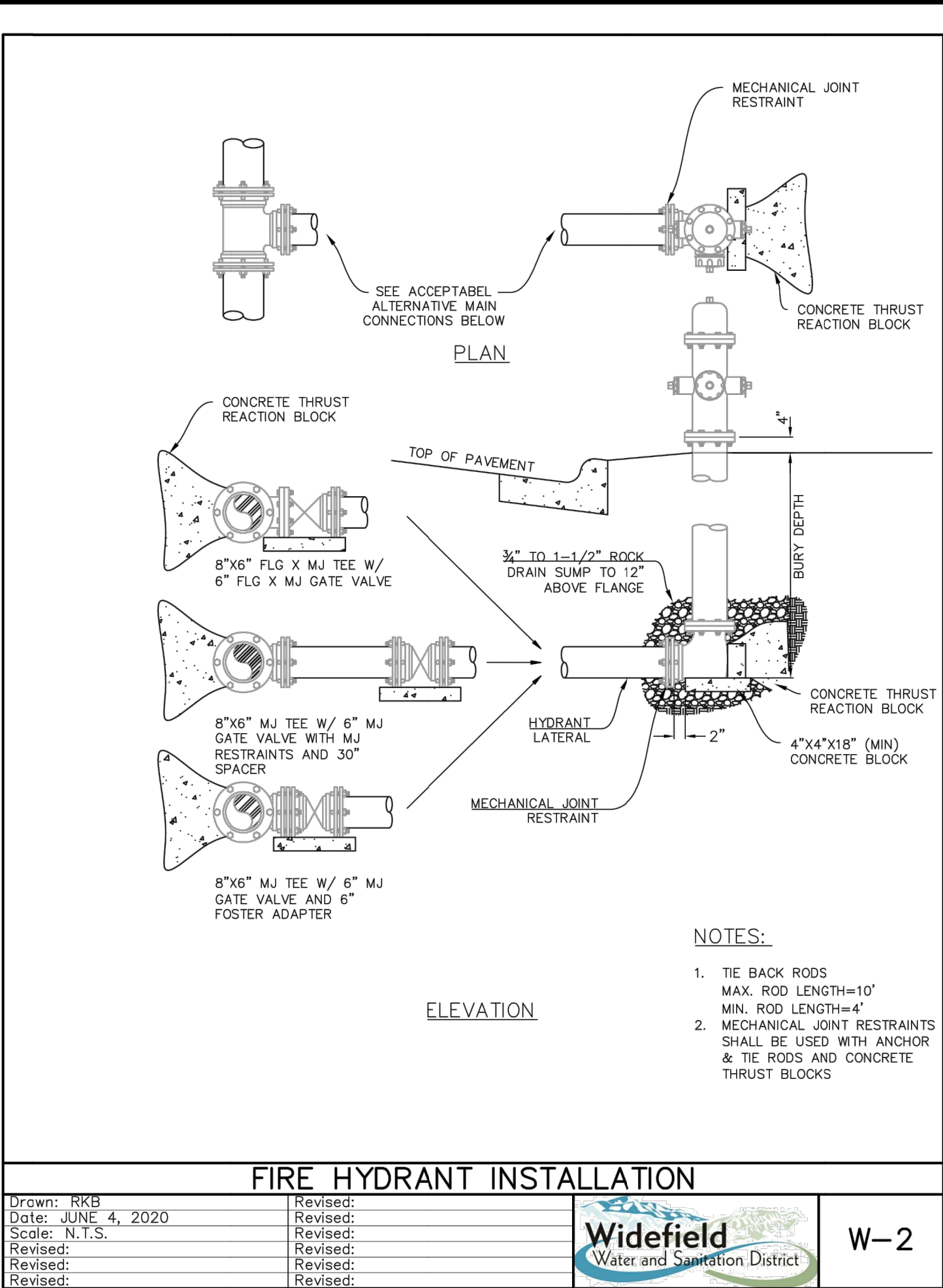
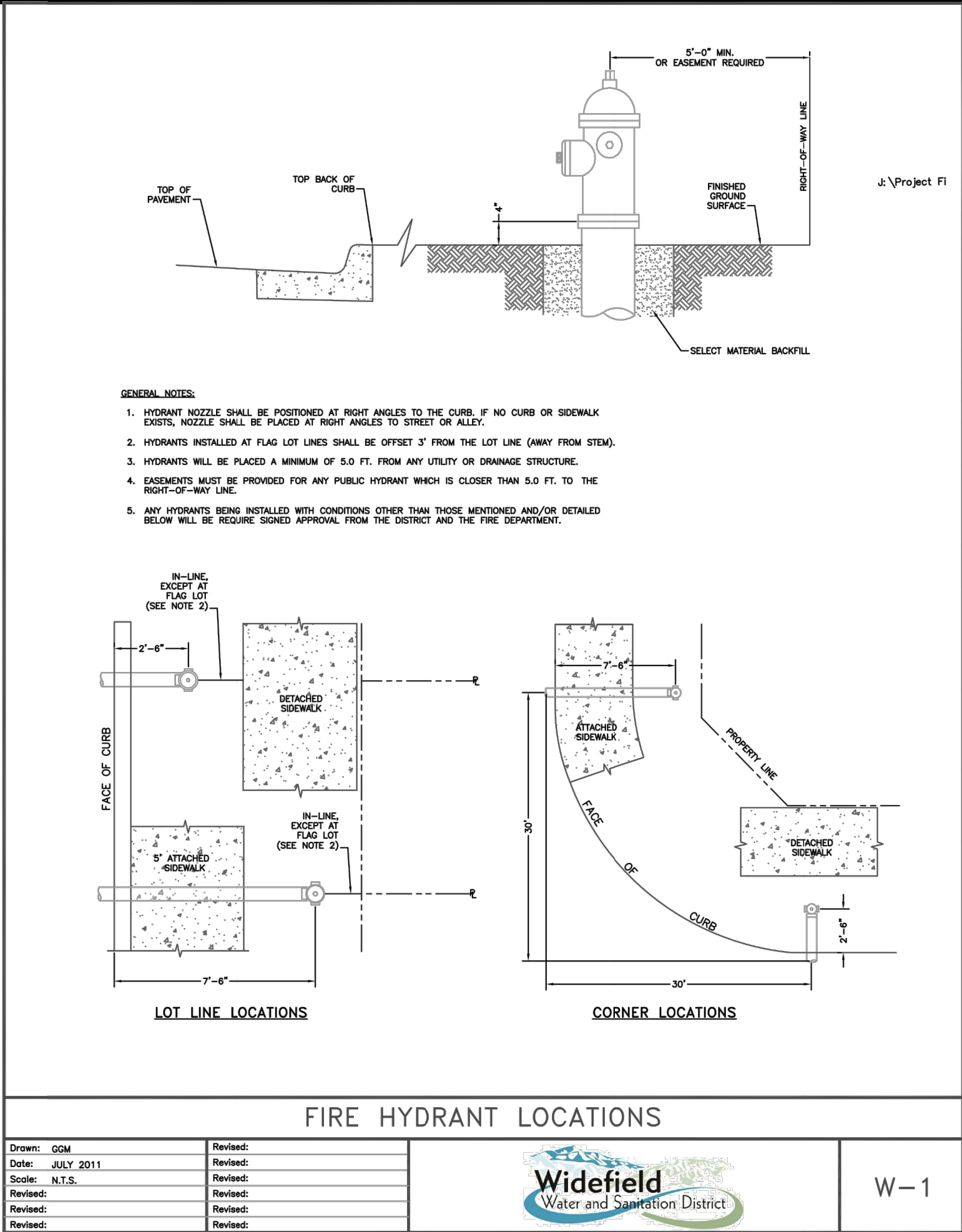
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET,  
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**05-C331**

SHEET  
NUMBER **41**



File: L:\2022\12\12\23110 - WWSO UW2E CMARDrawings\WWSO UW CMAR - 05- C501.dwg, Last Save: 12/5/2022 1:34 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S, Plot Size: AECmonro.ctb Plot Date: 12/5/2022 4:41 PM Plotter used: None



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

12/07/2022

BY	DESCRIPTION	DATE	REV.

WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

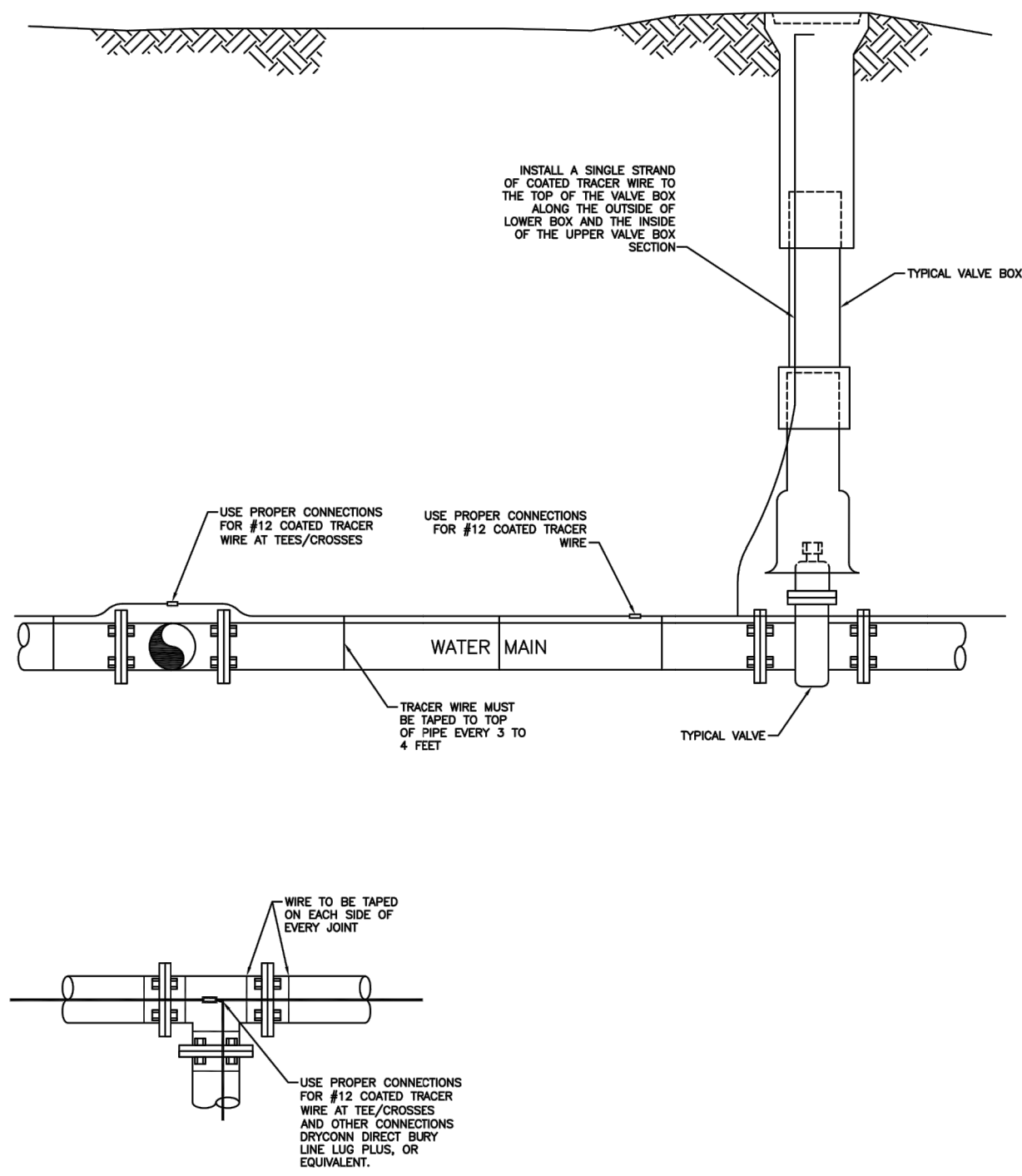
STANDARD DETAILS 1

JOB NO.: 21W23110  
DATE: DECEMBER 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.

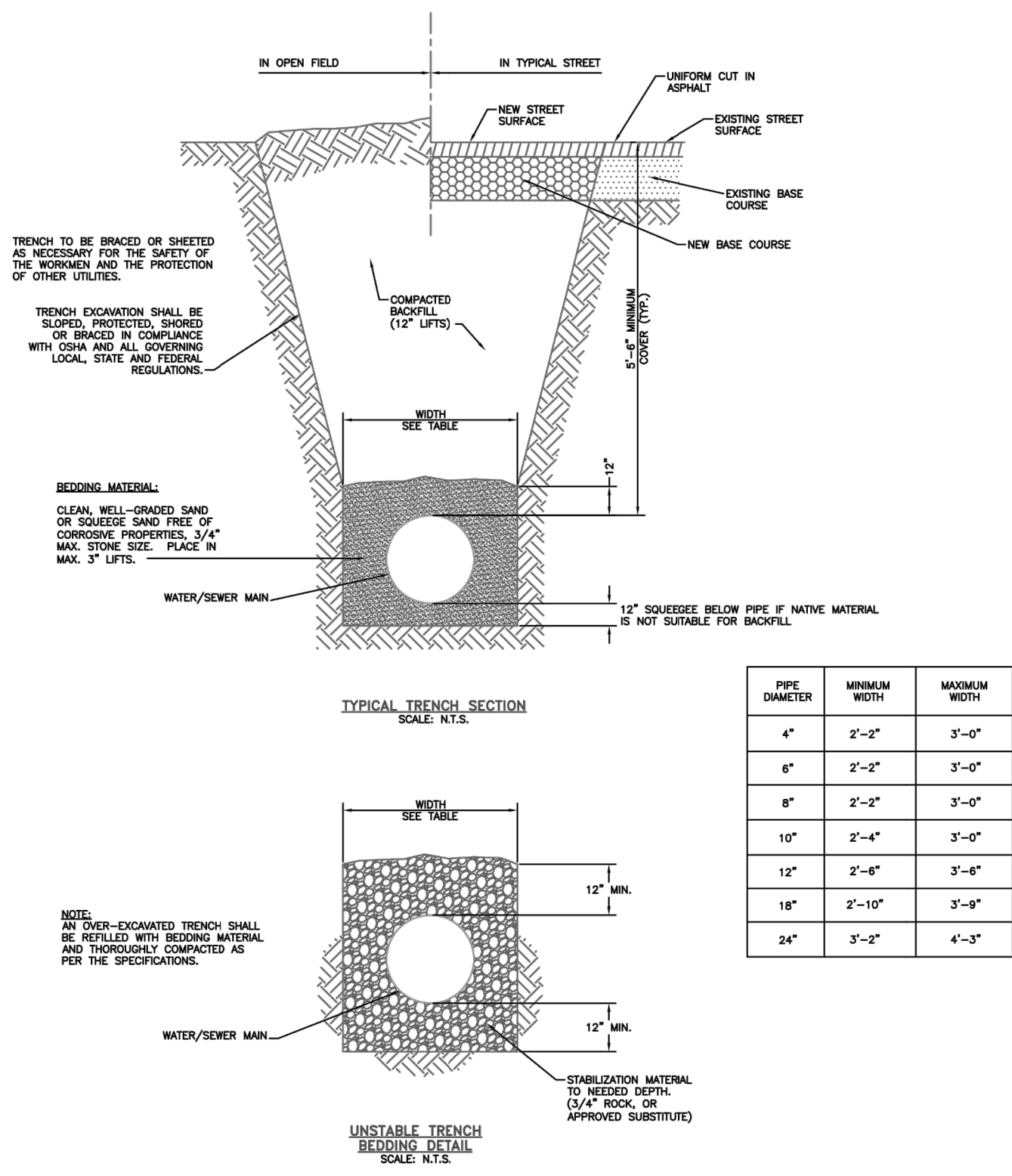
DRAWING NUMBER  
**99-C500**  
SHEET NUMBER  
**42**





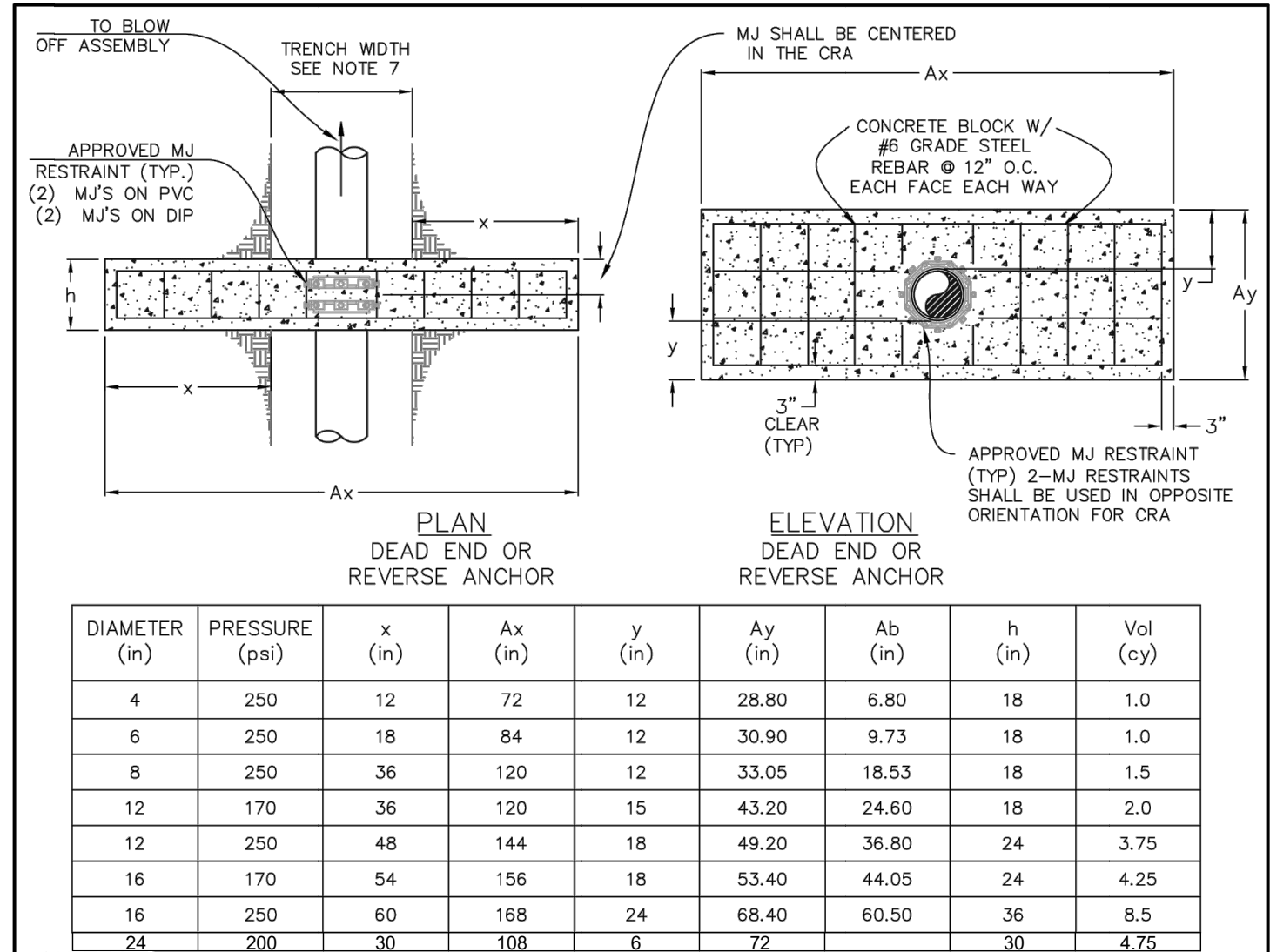
TRACER WIRE INSTALLATION DETAILS

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:		

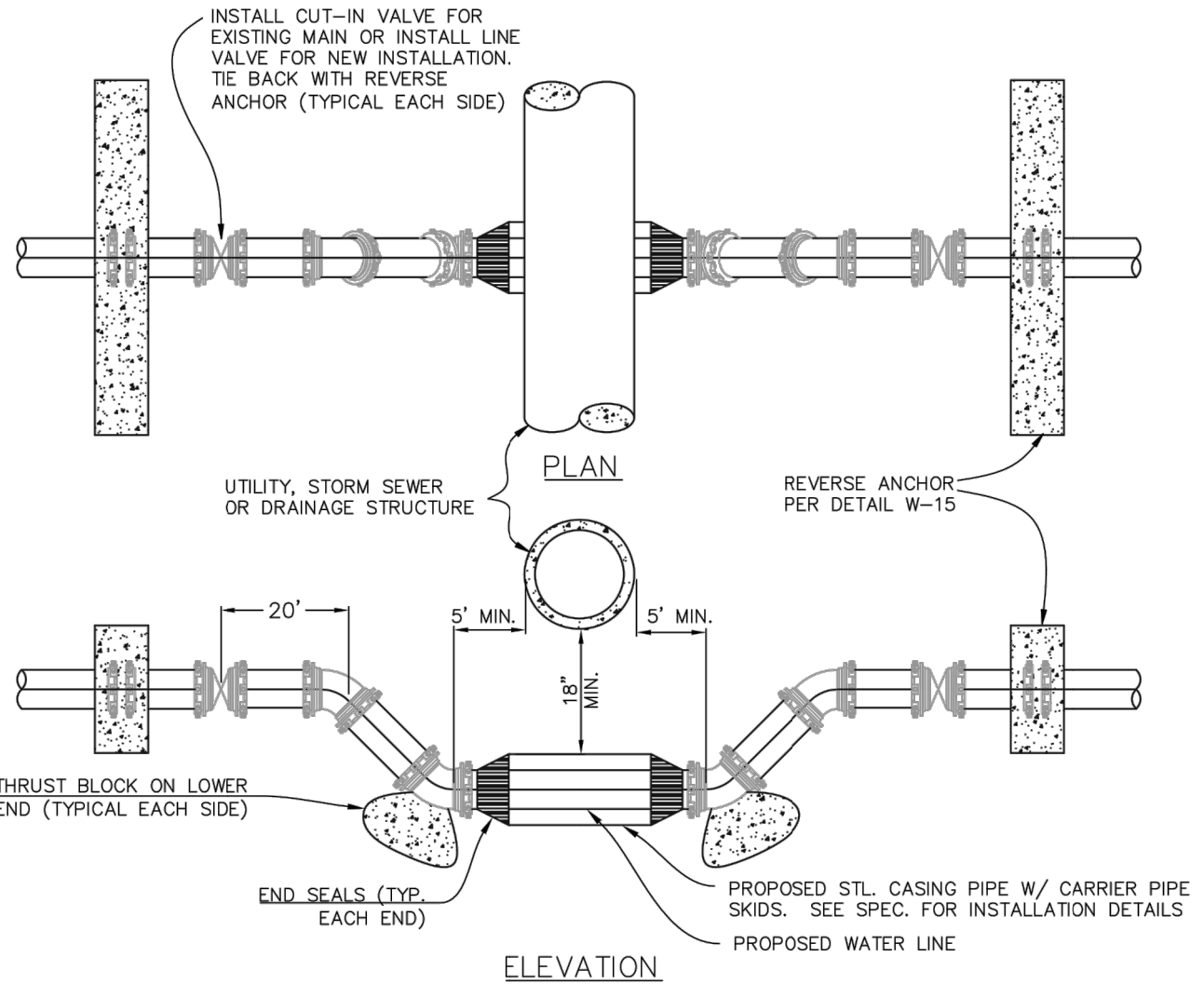


NOTES:

- THE MINIMUM BEARING SURFACE AREAS SHOWN ARE BASED ON A MAX STATIC PIP 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 WIDFIELD 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:		

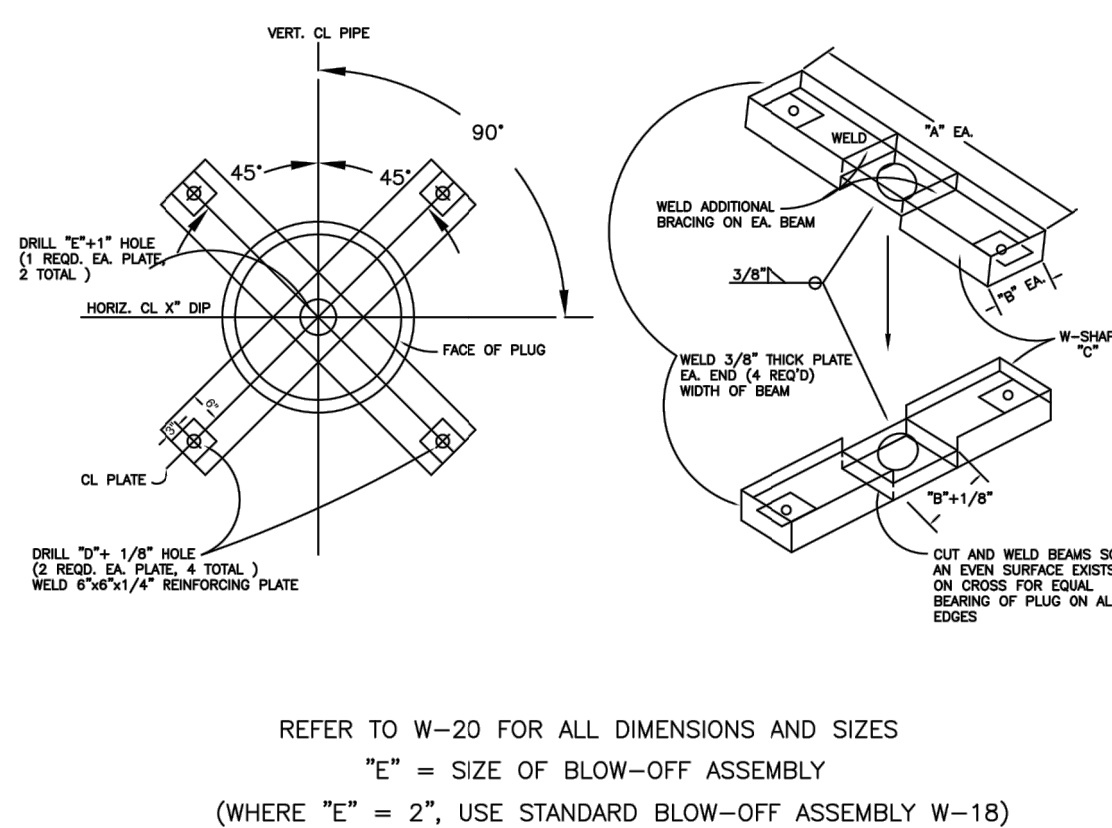


NOTES:

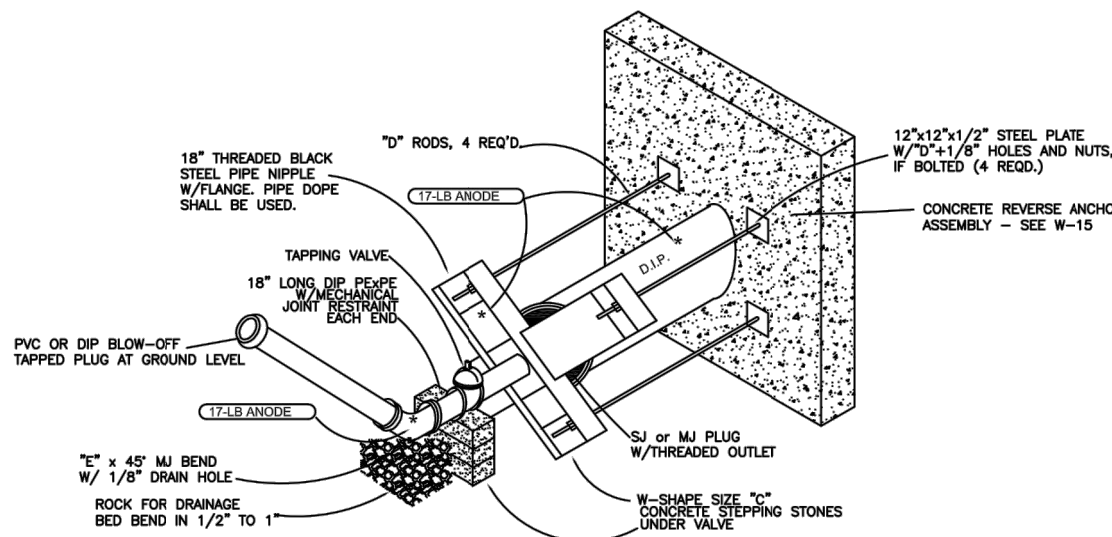
- LOWERING TO BE PROTECTED FROM CORROSION AS DIRECTED BY INSPECTOR
- A CASING PIPE IS NOT REQUIRED WHEN THE DRAINAGE STRUCTURE IS 30 INCHES OR LESS OUTSIDE DIAMETER. MAINTAIN 18 INCHES CLEAR BETWEEN STRUCTURE AND PIPE.
- FURNISH AND INSTALL STEEL CASING PIPE WITH CARRIER PIPE SKIDS (PS) AND END SEALS WHERE THE DRAINAGE STRUCTURE IS MORE THAN 30 INCHES OUTSIDE DIAMETER. MAINTAIN 18 INCHES CLEAR BETWEEN STRUCTURE AND CASING PIPE.
- FURNISH AND INSTALL ONE-17LB. MAGNESIUM ANODE PER 20-FOOT OR LESS OF CASING PIPE. ATTACH TO CASING PIPE NEAR END SEAL.
- FURNISH AND INSTALL JOINT BONDING, POLYETHYLENE TUBING/ENCASEMENT AND 17LB. MAGNESIUM ANODE ON DIP IN LOWERING/ PROVIDE ONE ANODE PER 20-FOOT OR LESS OF DIP INSTALLED. REFER TO STANDARD SPECIFICATIONS. RESTRAIN ALL JOINTS AND FITTINGS BETWEEN ANCHOR WALLS WITH EBBA IRON 1660 (OR EQUAL) JOINT RESTRAINT AND MJ RESTRAINT.
- LOWERING MAY BE SUBJECT TO MODIFICATION ON A CASE BY CASE BASIS AS DETERMINE BY DISTRICT.
- WHERE LOWERING IS LESS THAN 5 VERTICAL FEET (LOWERING FROM CENTERLINE TO CENTERLINE), AND LESS THAN 18 HORIZONTAL FEET BOTTOM RUN, INSPECTOR MAY ALLOW LOWERING TO BE INSTALLED USING RESTRAINED FITTINGS WITHOUT THRUST BLOCKS IF:
  - EACH RUN MUST BE A CONTINUOUS PIPE WITH NO JOINTS OTHER THAN THE VERTICAL BENDS.
  - ALL MJ FITTINGS MUST BE RESTRAINED PER NOTE 7.

WATER LINE LOWERING DETAIL

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



REFER TO W-20 FOR ALL DIMENSIONS AND SIZES  
 "E" = SIZE OF BLOW-OFF ASSEMBLY  
 (WHERE "E" = 2", USE STANDARD BLOW-OFF ASSEMBLY W-18)



- NOTES:
- PIPE DOPE APPROVED FOR USE IN POTABLE WATER SYSTEMS MUST BE USED ON ALL THREADED JOINTS.
  - ENTIRE BLOW OFF ASSEMBLY MUST BE FULLY SUPPORTED SO NO LOAD BEARS ON BLOW-OFF PIPING.
  - IF APPROPRIATE LOCATION FOR DISCHARGED WATER CANNOT BE REACHED BY ROLLING THE BEND, ADDITIONAL BENDS MAY BE REQUIRED.
  - COAT THE RODS, BEAMS AND BLACK IRON PIPE WITH EPOXY POLYAMIDE COATING, 10 MILS MIN.

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:		

BLOW-OFF ASSEMBLY SIZING

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

NOTES:

- ALL W-SHAPE 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 50% SURGE FACTOR HAS BEEN INCLUDED IN DESIGN.
- FOR SIZES AND PRESSURES GREATER THAN THOSE SHOWN, SPECIAL DESIGN IS REQUIRED, APPROVED BY THE DISTRICT.

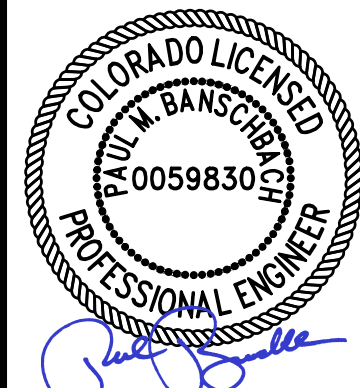
BLOW-OFF ASSEMBLY DIMENSION DATA FOR 12" +

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

EPC 2/14/2023



© 2022 GARVER, LLC  
 THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

BY	DESCRIPTION	DATE	REV.

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

STANDARD DETAILS 2

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

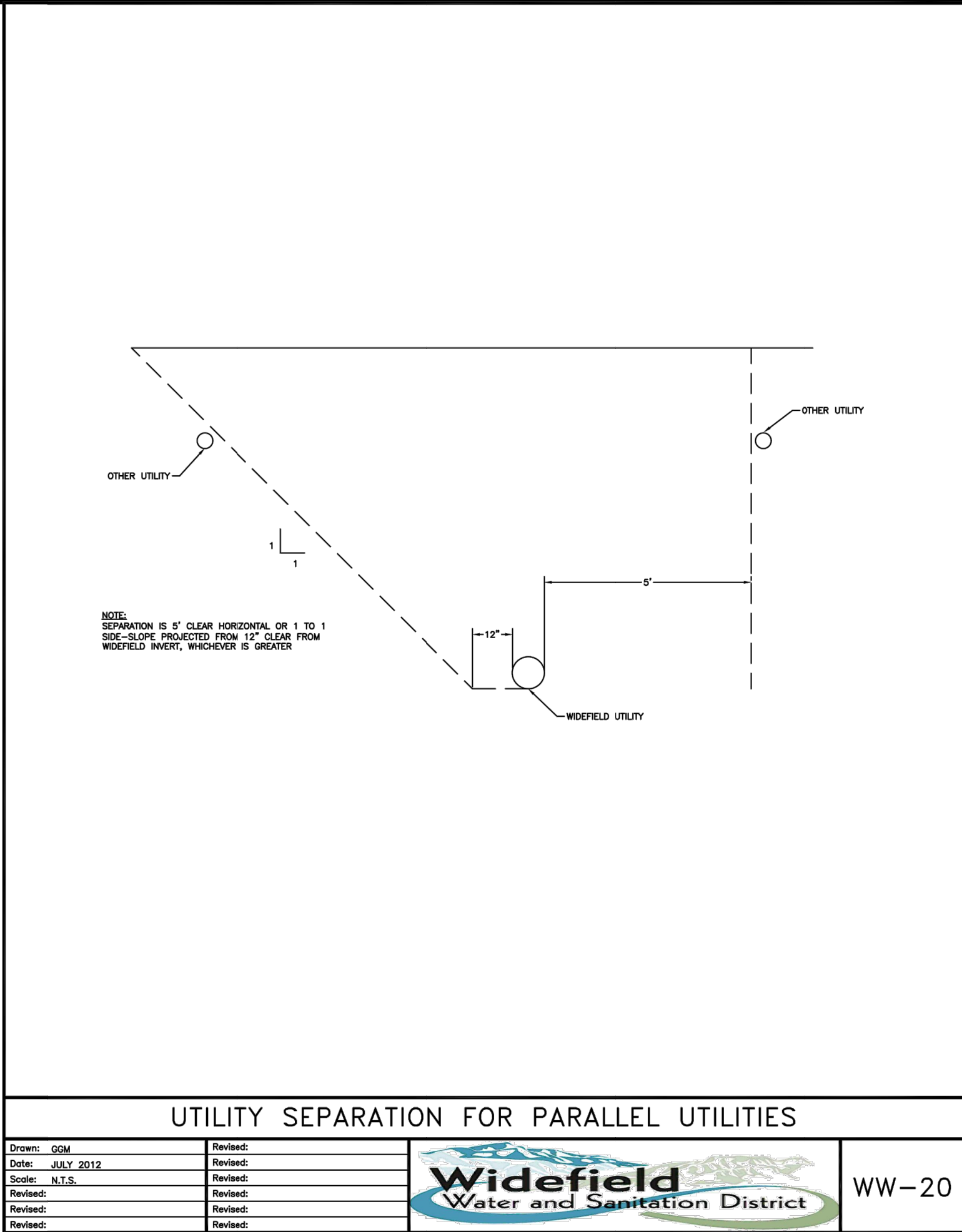
BAR IS ONE INCH ON ORIGINAL DRAWING


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

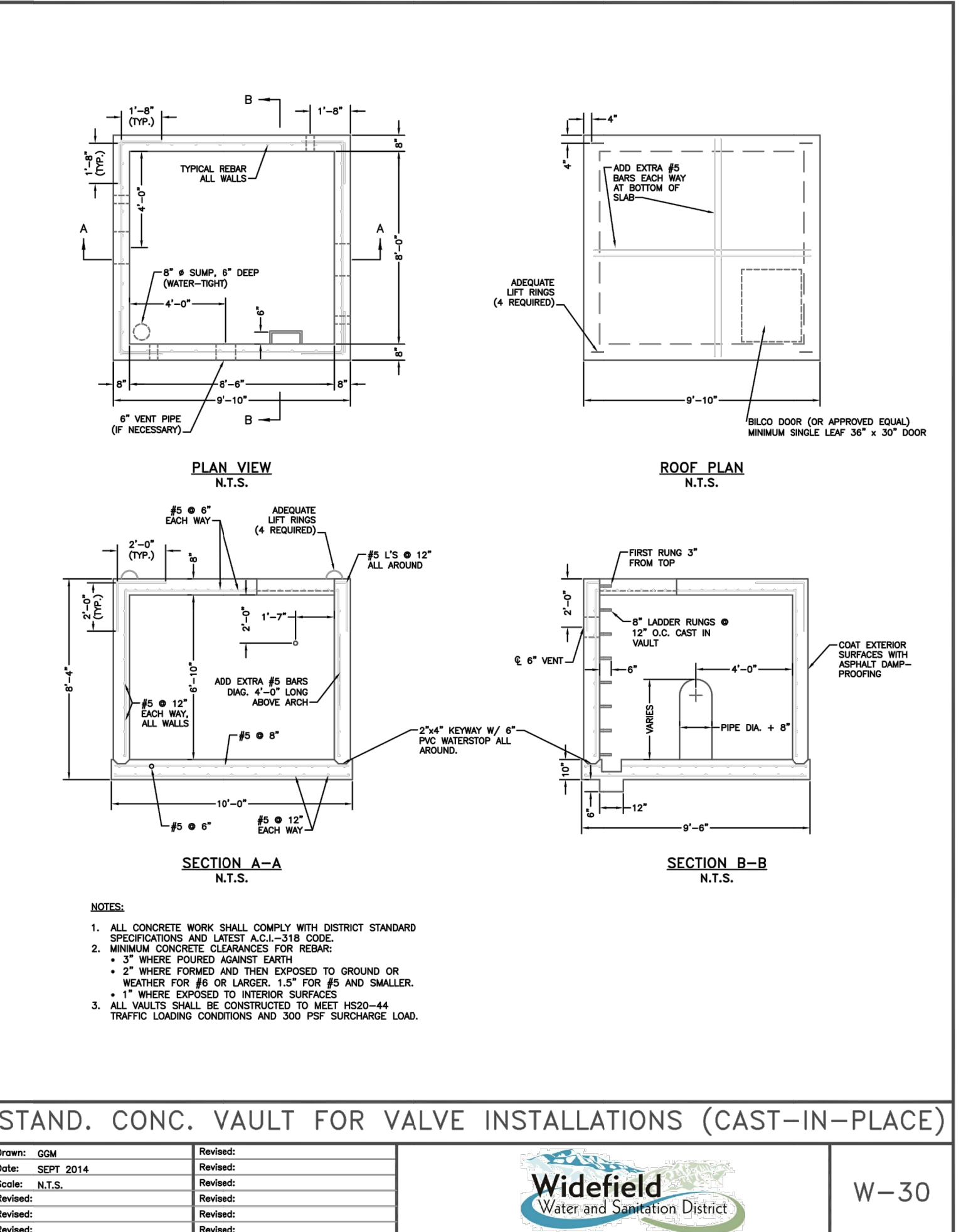
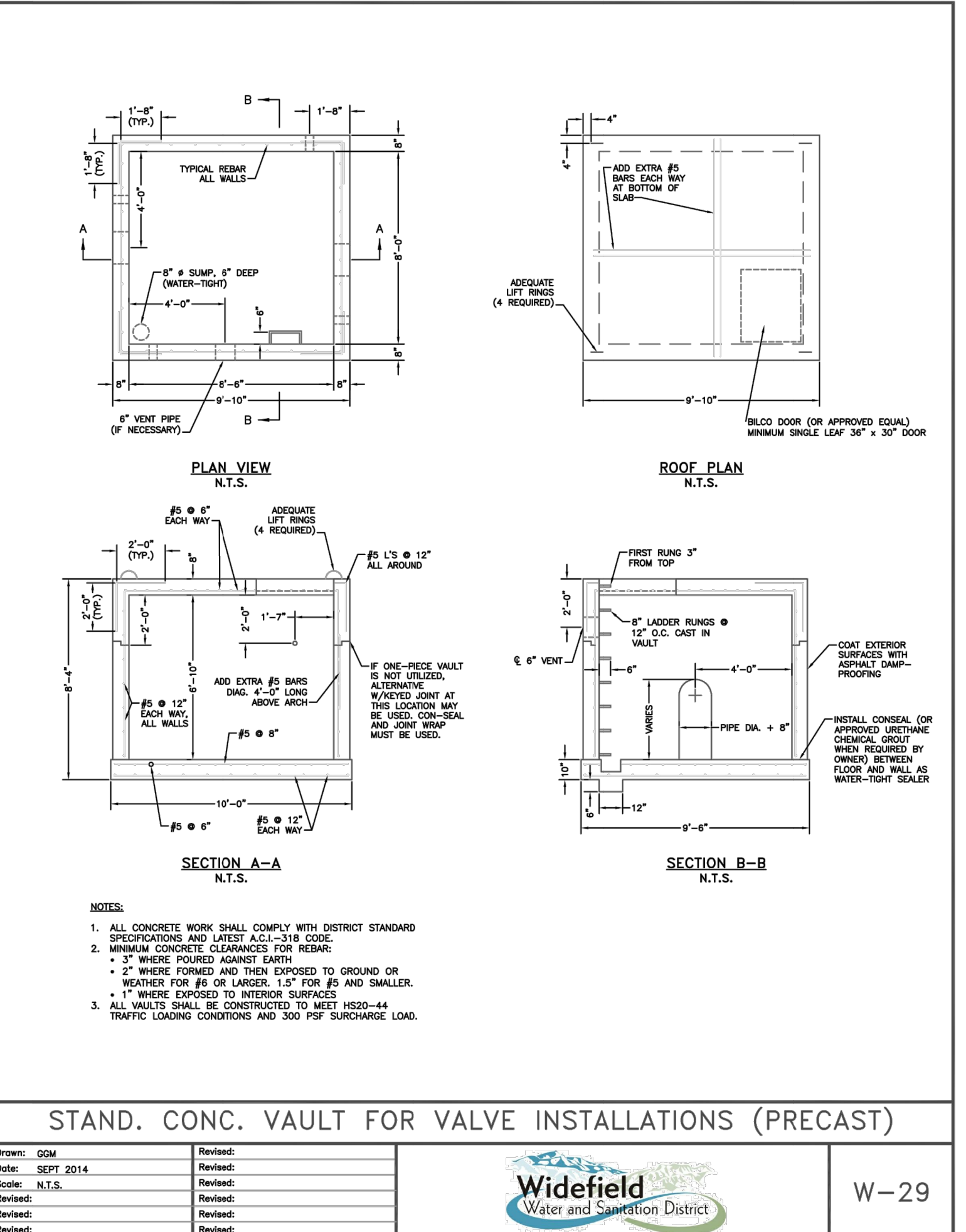
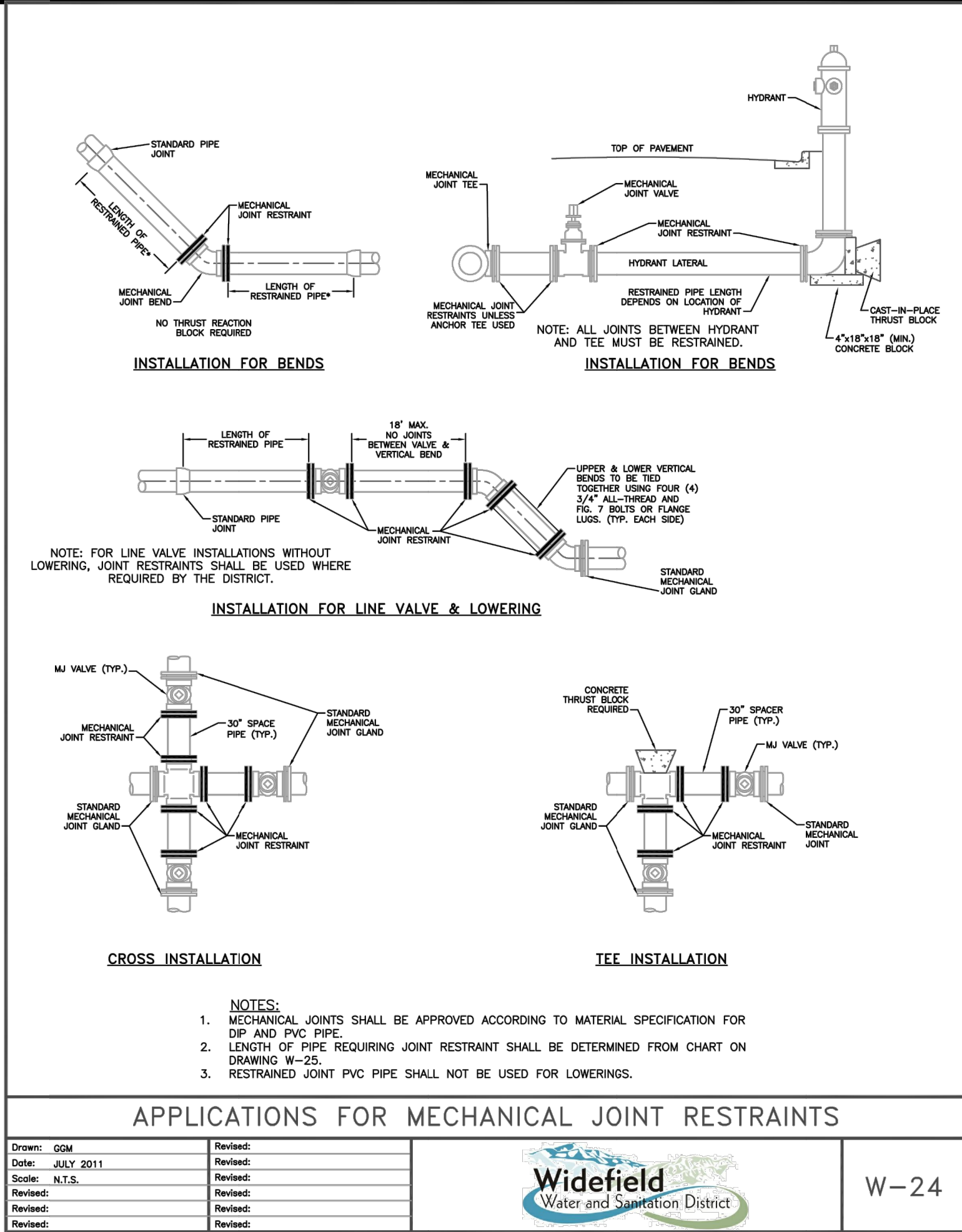
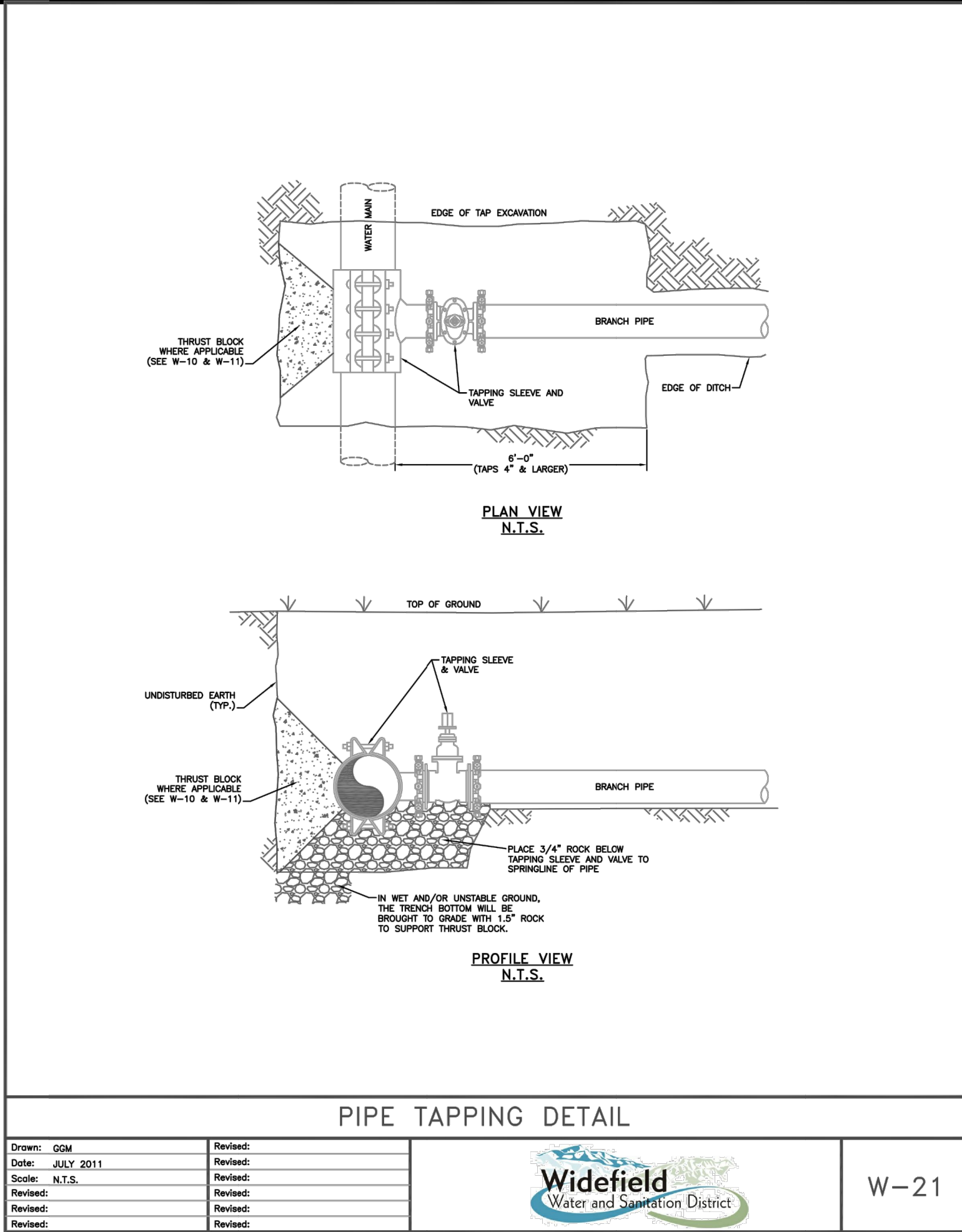
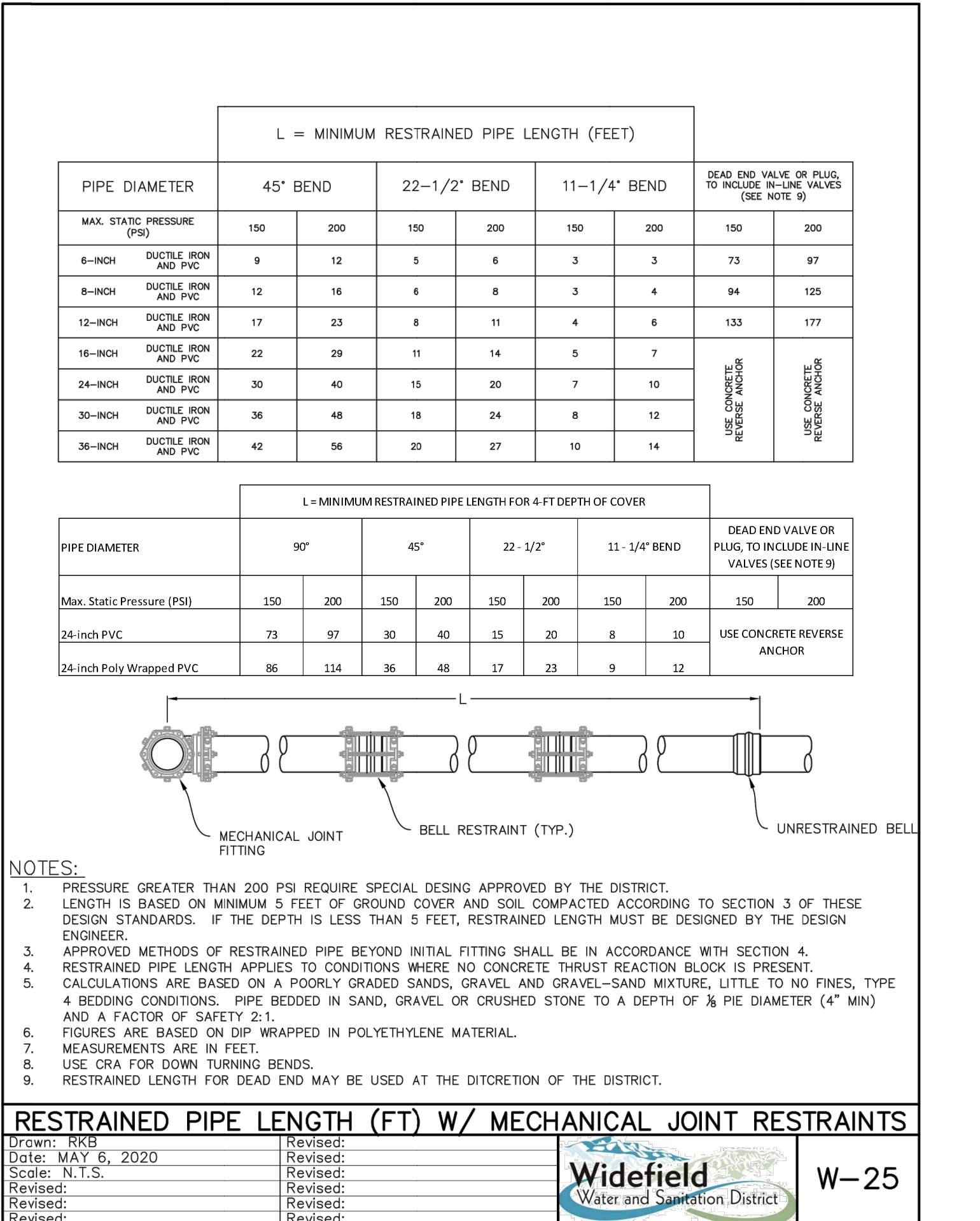
DRAWING NUMBER  
**99-C501**  
 SHEET NUMBER  
**43**




File: L:\2021\12\12\23110 - WWSO UW2E CMARDrawings\WWSO UW CMAR - 05- C501.dwg, Last Saved: 12/5/2022 1:34 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S, Plot Style: AEColor.ctb Plot Date: 12/5/2022 4:41 PM Plotter used: None



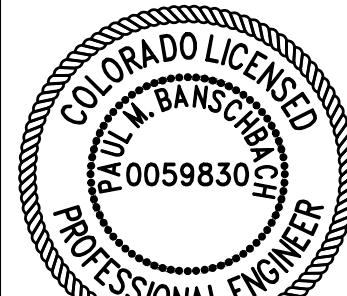
Drawn: GDM		Revised:		WW-20
Date: JULY 2012		Revised:		
Scale: N.T.S.		Revised:		
Revised:		Revised:		
Revised:		Revised:		



EPC 2/14/2023




© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

BY				
DESCRIPTION				
DATE				
REV.				



WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

STANDARD DETAILS 3

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

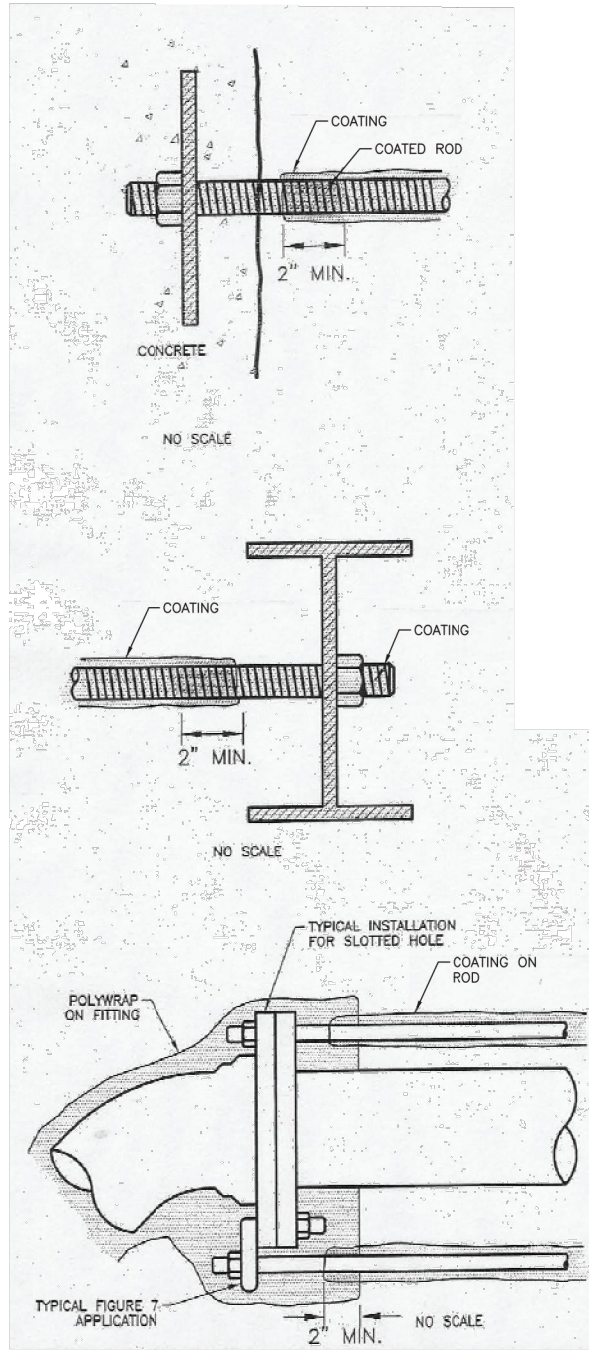
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**99-C502**

SHEET NUMBER  
**44**



File: L:\2021\12\23\110 - WWSDD UW2E CMARDrawings\WWSDD UW CMAR - 05- C501.dwg, Last Save: 12/5/2022 1:34 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S, Plot Style: AECmon.ctb Plot Date: 12/5/2022 4:41 PM Plotter used: None



- 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".

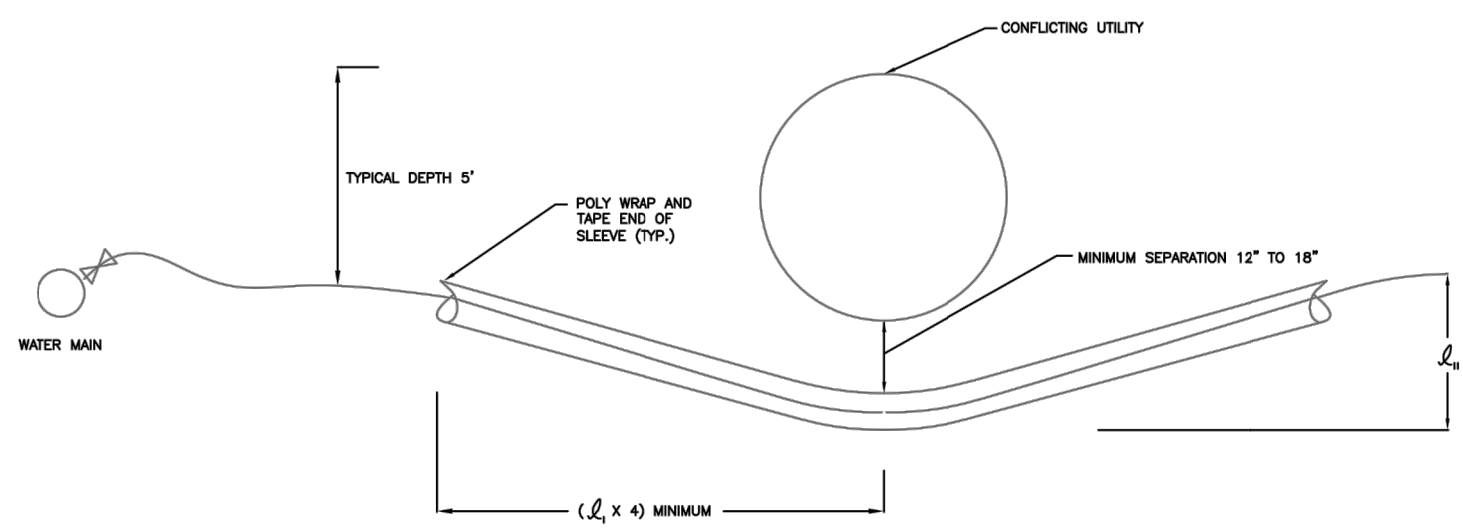
- RODS IN JAL FITTING:
1. COAT THE ROD AND SECURE WITH TAPE.

#### PROTECTING TIE-RODS

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



W-31



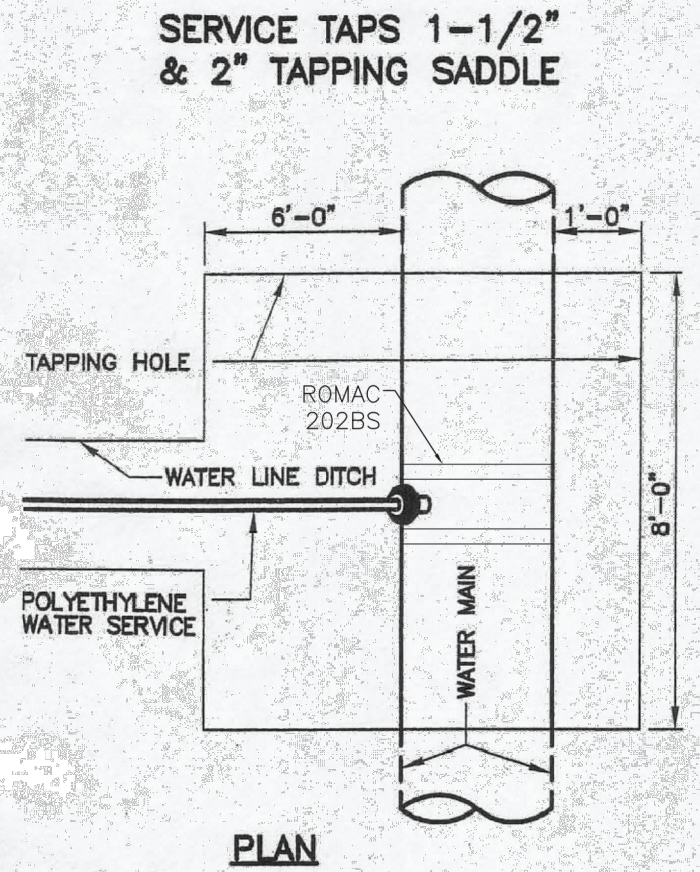
- NOTES:
1. SERVICE LINES MAY BE LOWERED TO AVOID UTILITY CONFLICT UP TO A MAXIMUM DEPTH OF 10'.
  2. SLEEVE MAY BE 3" CORRUGATED ABS LINE.

#### SERVICE LINE LOWERING

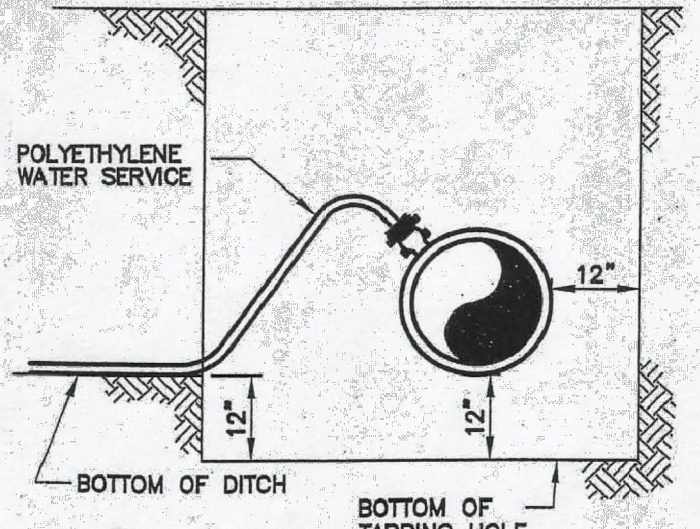
Drawn: GGM	Revised:
Date: JANUARY 2014	Revised:
Scale: N.T.S.	Revised:
Revised:	Revised:
Revised:	Revised:
Revised:	Revised:



W-41



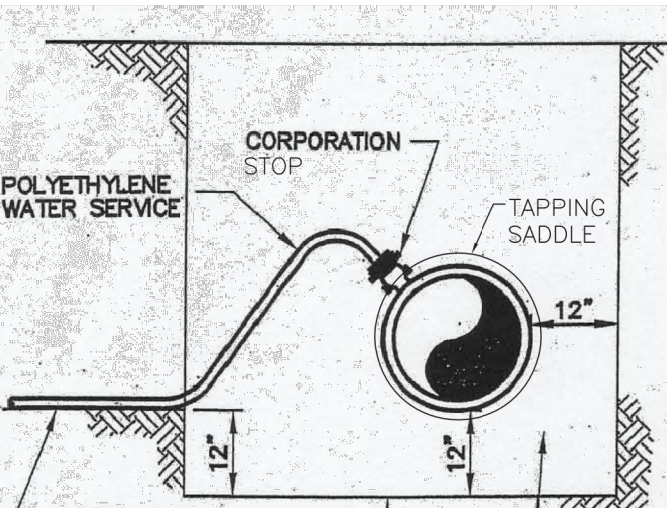
#### PLAN



#### ELEVATION

NOTE:  
DIRECT TAPS TO THE WATER MAIN SHALL BE MADE ONLY WHEN APPROVED BY THE DISTRICT. ALL TAPS SHALL USE TAPPING SADDLES. TAPPING SADDLES SHALL HAVE TWO BRASS BANDS AND A BRASS CORPORATION CONNECTION.

- 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 1/4" OR LARGER MAY HAVE LOCATION AND ANGLE ADJUSTED AT THE DISCRETION OF THE INSPECTOR.



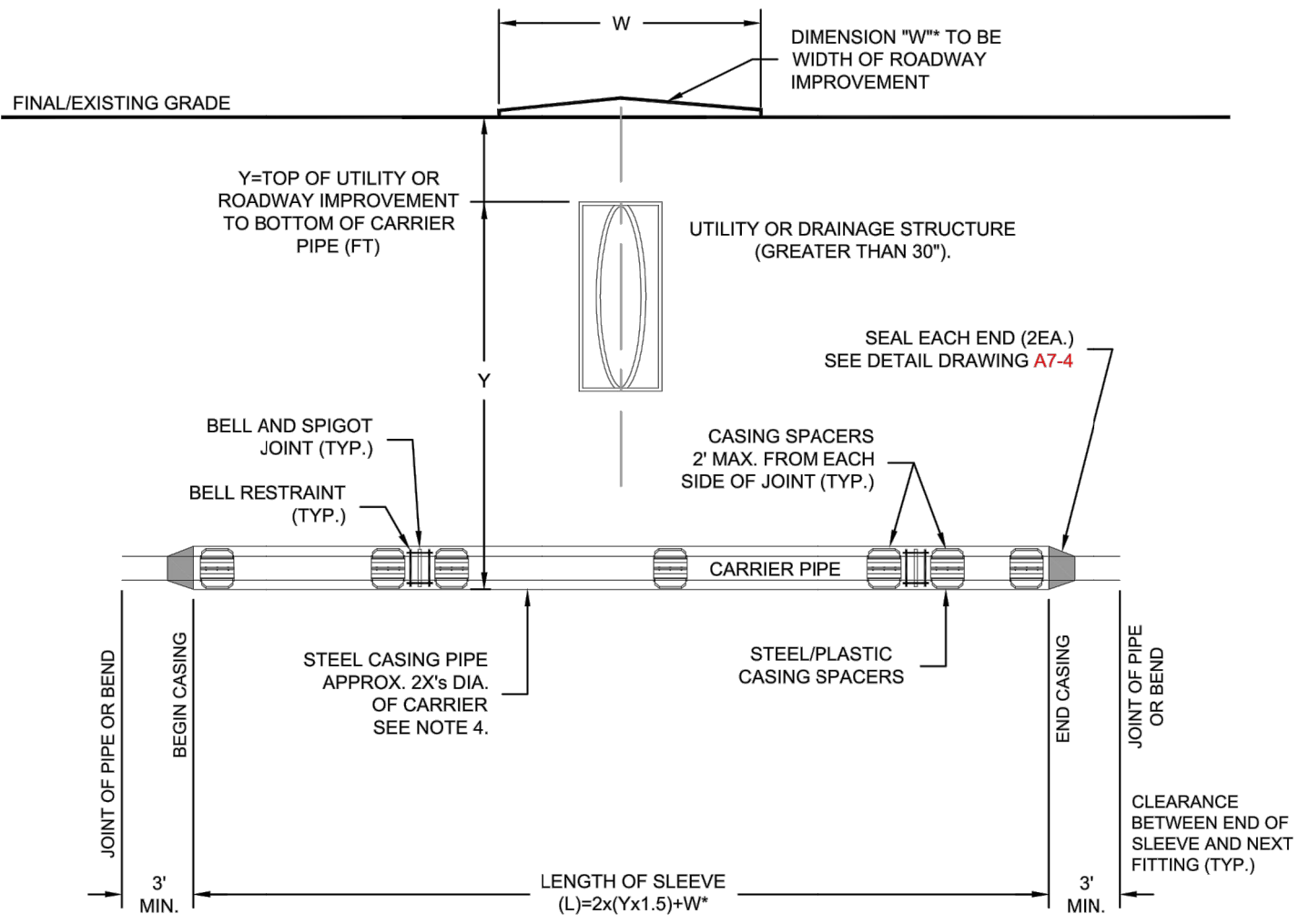
#### ELEVATION

#### TAPPING DETAIL - 3/4" THROUGH 2"

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



W-32



- 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.



#### TYPICAL STEEL CASING INSTALLATION

A7-3  
DATED 06/2015

#### TYP. INSTALLATION FOR SERVICE LINE AND STOP BOX

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

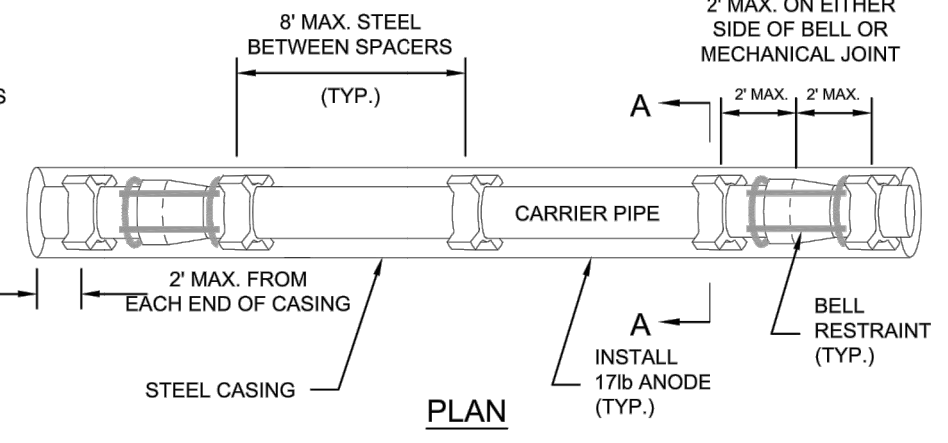


W-33

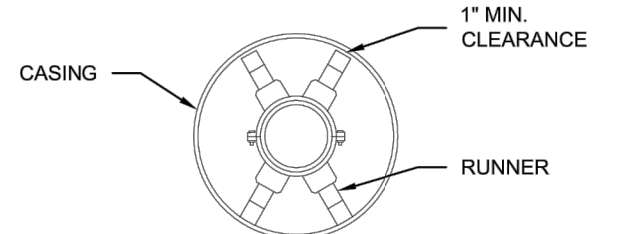
CASING PIPE MINIMUM SIZES AND THICKNESSES  
(TO BE VERIFIED BY THE DESIGN ENGINEER)  
BASED ON ACTUAL LOADING AND SITE CONDITIONS

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



#### PLAN



#### SECTION A-A

TYPICAL PIPE SUPPORT  
CASING ARRANGEMENT  
(CENTERED/RESTRAINED)

#### 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.

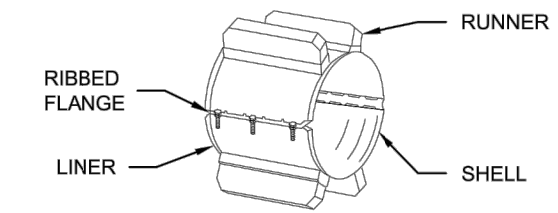
#### CATHODIC PROTECTION:

1. CASING SHALL BE CATHODICALLY PROTECTED PER SECTION 2.6.I.

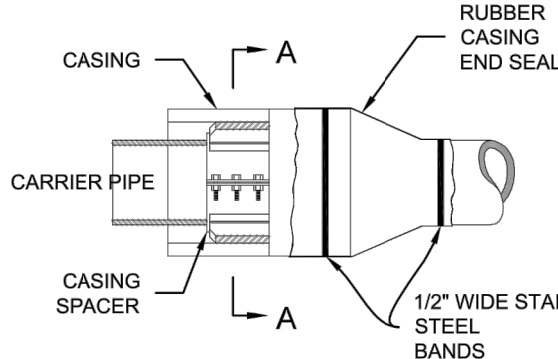


#### TYPICAL STEEL CASING INSTALLATION

A7-4  
DATED 06/2015



#### SPACER



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



12/07/2022

BY	DESCRIPTION	DATE	REV.



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

#### STANDARD DETAILS 4

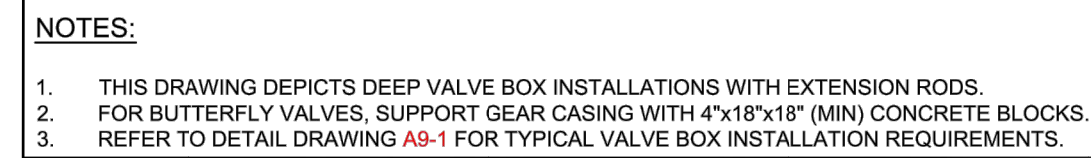
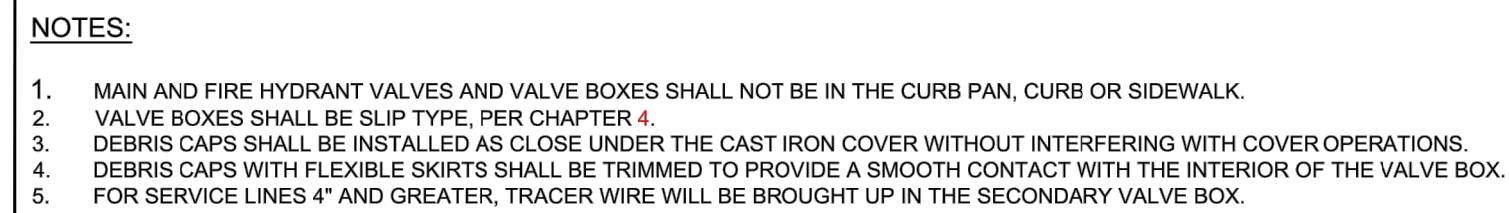
JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: PMB  
DRAWN BY: UOP/FJC

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

DRAWING NUMBER  
**99-C503**  
SHEET  
NUMBER **45**

EPC 2/14/2023



[illegible]

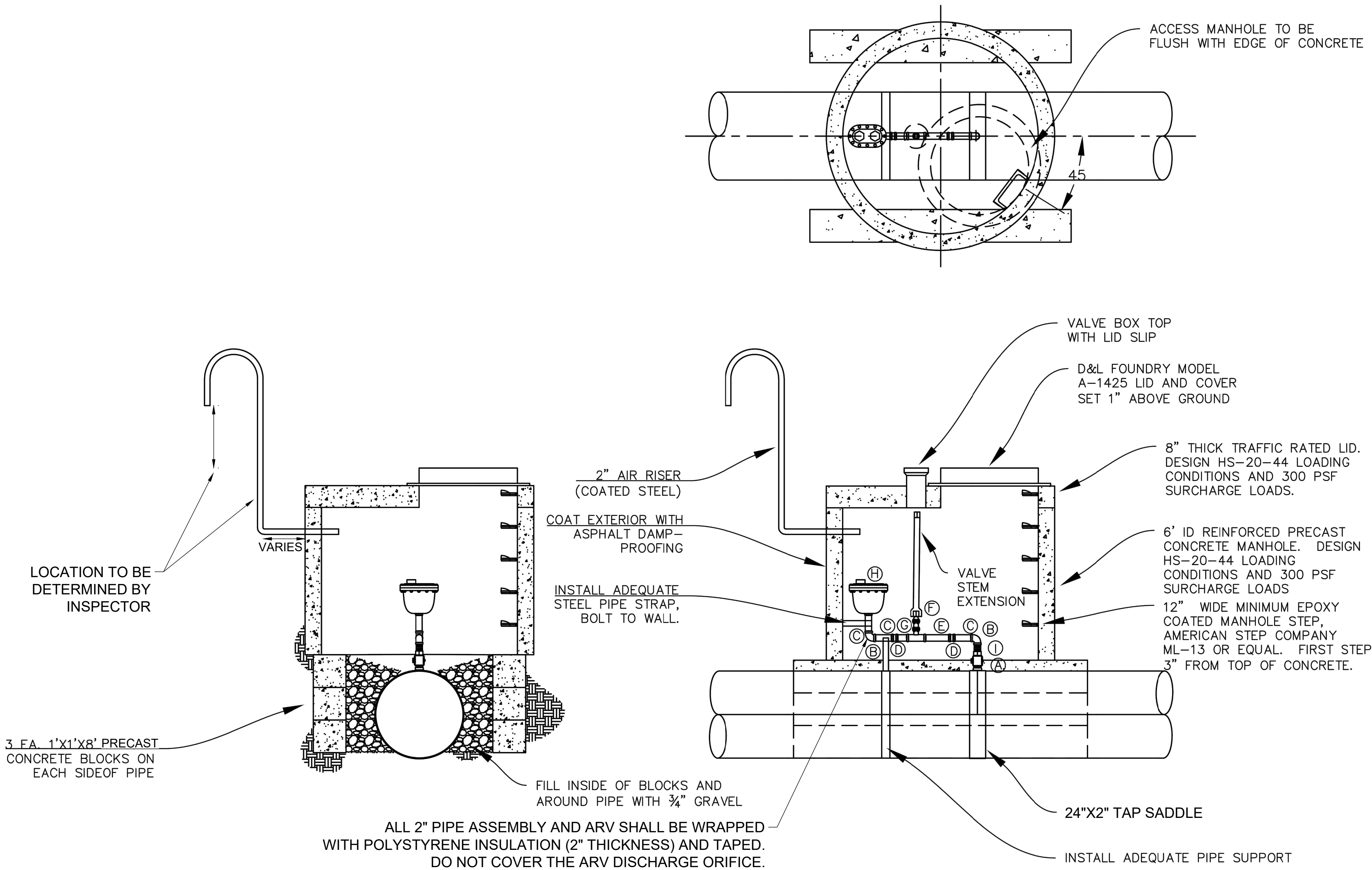


File: L:\202\12\1W23110 - WWSD UW2E CMARDrawings\WWSD UW CMAR - 05- C501.dwg, Last Save: 12/5/2022 1:34 PM Last saved by: ESMartinez  
Last plotted by: Martinez, Ervin S, Plot Style: AECmonochrome.ctb Plot Date: 12/5/2022 4:41 PM Plotter used: None

- Ⓐ 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. FOR VAULTS ON TRAIL (DWG NO. 05-C326 AND  
05-C327), MAKE LID AND COVER FLUSH WITH GRADE.
2. ORIFICE SHALL BE 3/32".



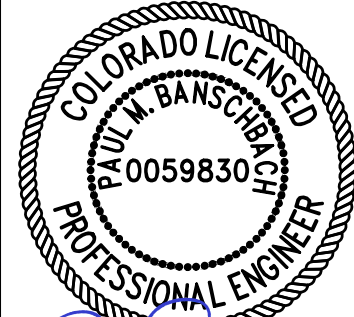
WIDEFIELD WATER AND  
SANITATION DISTRICT  
24" AIR RELEASE VALVE

Project No:	
Scale: AS SHOWN	
Date: 06/23/2020	
Design: RKB	
Drawn: RKB	
Reviewed: RKB	
Revised:	

2



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



12/07/2022

REV.	DATE	DESCRIPTION	BY



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

STANDARD DETAILS 6

JOB NO.: 21W23110  
DATE: DECEMBER 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.

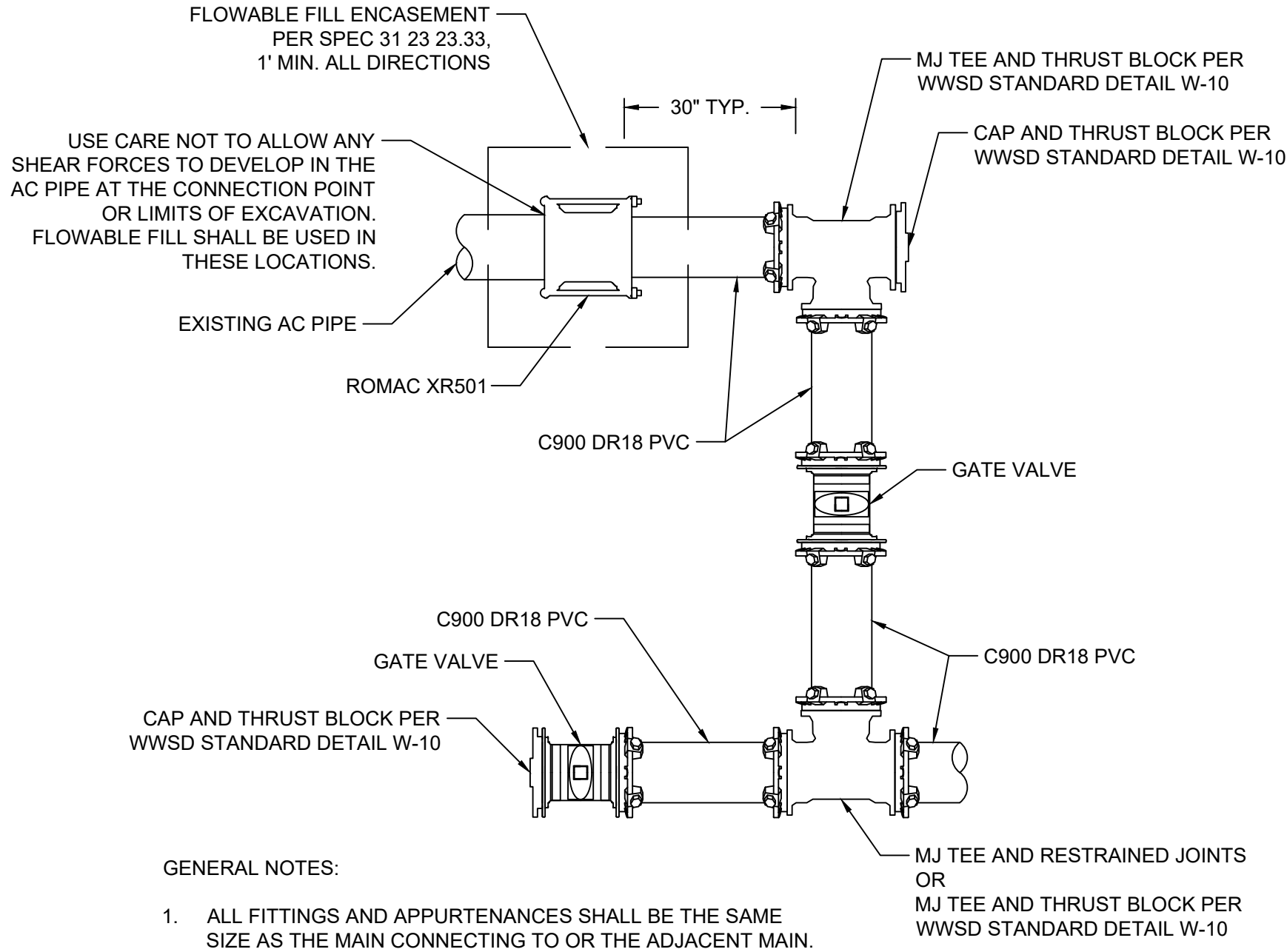
DRAWING NUMBER

**99-C505**

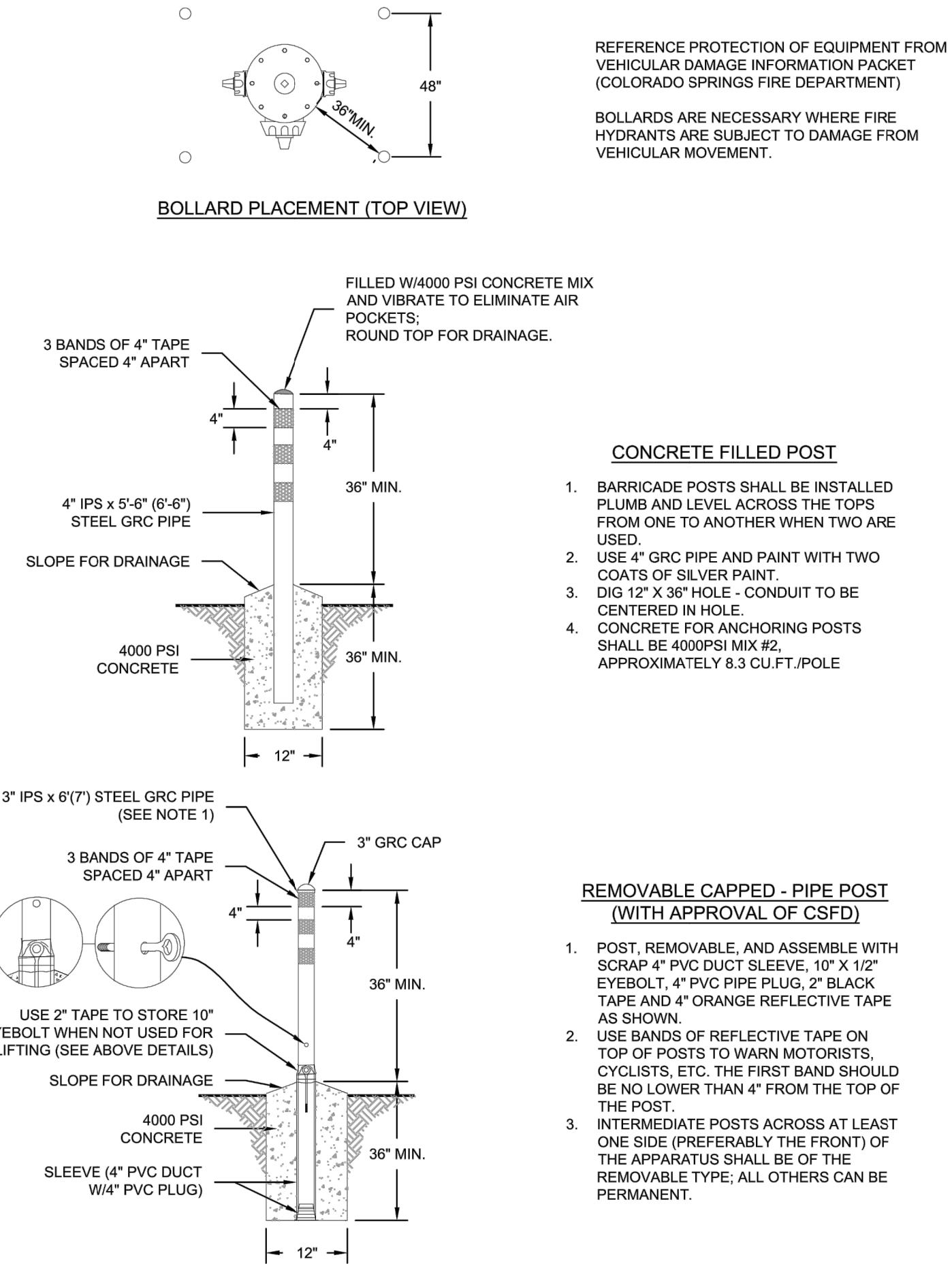
SHEET  
NUMBER **47**



File: L:\2021\12\12\23110 - WWSD UW2E CMARDrawings\WWSD UW CMAR - 05- C501.dwg, Last Save: 12/5/2022 1:34 PM, Last saved by: ESMartinez, Last plotted by: Martinez, Ervin S, Plot Style: AECmonochrome.ctb, Plot Scale: 1:2,5949, Plot Date: 12/5/2022 4:41 PM, Plotter used: None



1 CONNECTION TIE IN DETAIL  
99-C506 SCALE: NONE



FIRE HYDRANT PROTECTION POSTS (BOLLARDS)

A5-4  
DATED 03/2014



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



12/07/2022

REV.	DATE	DESCRIPTION	BY



WIDEFIELD WATER AND SANITATION DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

STANDARD DETAILS 7

JOB NO.: 21W23110  
DATE: DECEMBER 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.

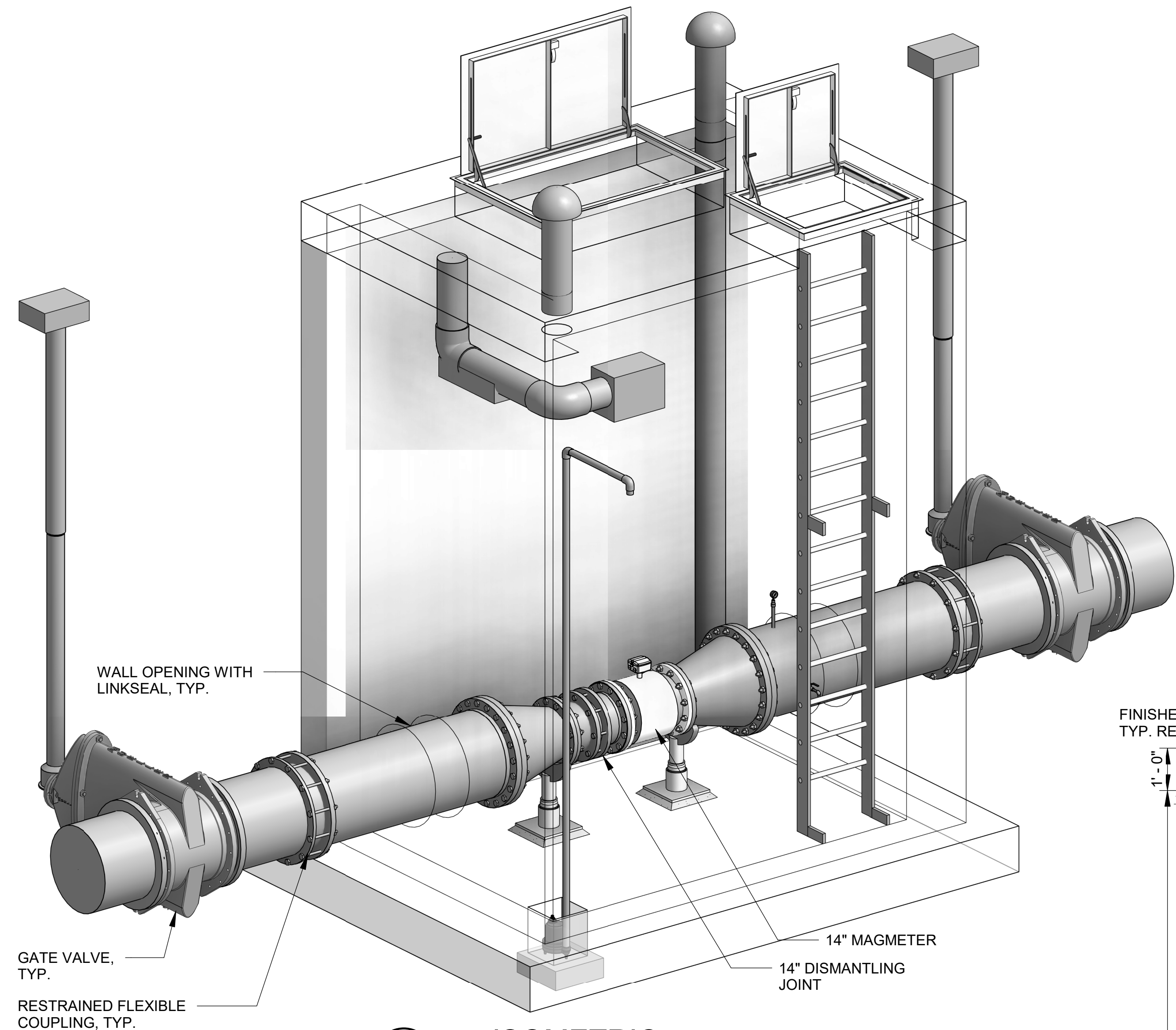
DRAWING NUMBER  
**99-C506**  
SHEET NUMBER **48**



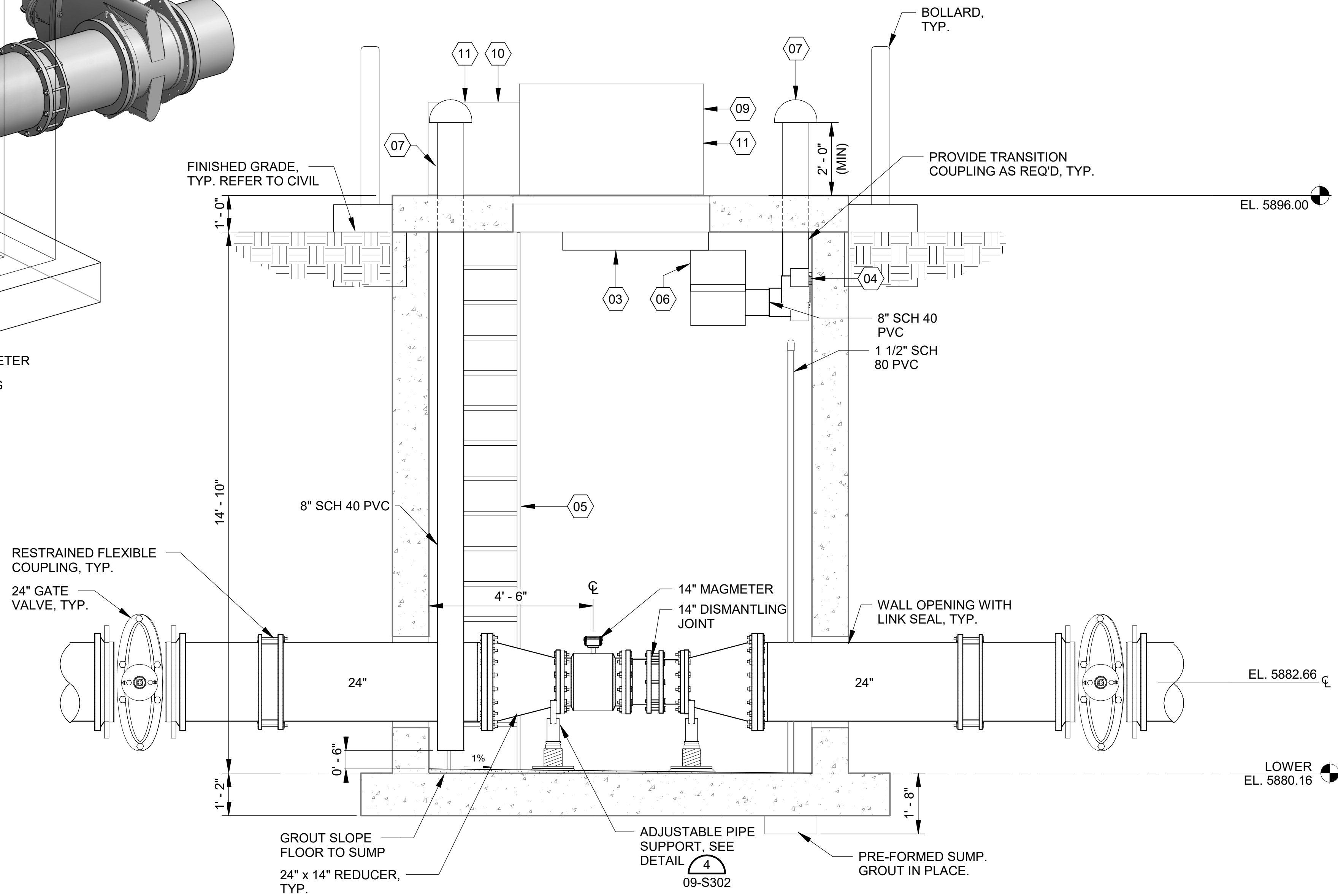




Revit File: C:\Users\SSPodliska\Documents\WIDEFIELD Flow Meter Vault 08/02/2022\_SSPodliska.rvt  
Plot Date: 12/9/2022 8:45:13 AM



1  
09-S301  
**ISOMETRIC**  
SCALE: NOT TO SCALE



2  
09-S101 | 09-S301  
**SECTION AT METER VAULT**  
SCALE: 1/2" = 1'-0"

KEYNOTES	DESCRIPTION
01	ASHCROFT PRESSURE GAUGE, SEE DETAIL 2/09-S302.
02	SULZER ABS ROBUSTA 100TS 120V SUMP PUMP.
03	LIGHT FIXTURE. SEE ELECTRICAL.
04	SOLAIRA SCOSYXL15120B 120V WALL MOUNTED HEATER W/ SMRTTIM60 TIMER.
05	HALLIDAY SERIES L1B LADDER W/ SERIES L1E LADDER EXTENSION, SEE DETAIL 5/09-S302
06	FANTECH FR150/5C517 6" INLINE FAN W/ WALL SWITCH.
07	8" DIAM. MUSHROOM VENT. SEE DETAIL 3/09-S302.
08	SAMPLE PORT. SEE DETAIL 1/09-S302.
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.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



BY	
DESCRIPTION	
DATE	
REV.	



WIDEFIELD WATER  
AND SANITATION  
DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST  
TRANSMISSION LINE

METER VAULT  
SECTION &  
ISOMETRIC

JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: DBG  
DRAWN BY: AEG

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

DRAWING NUMBER

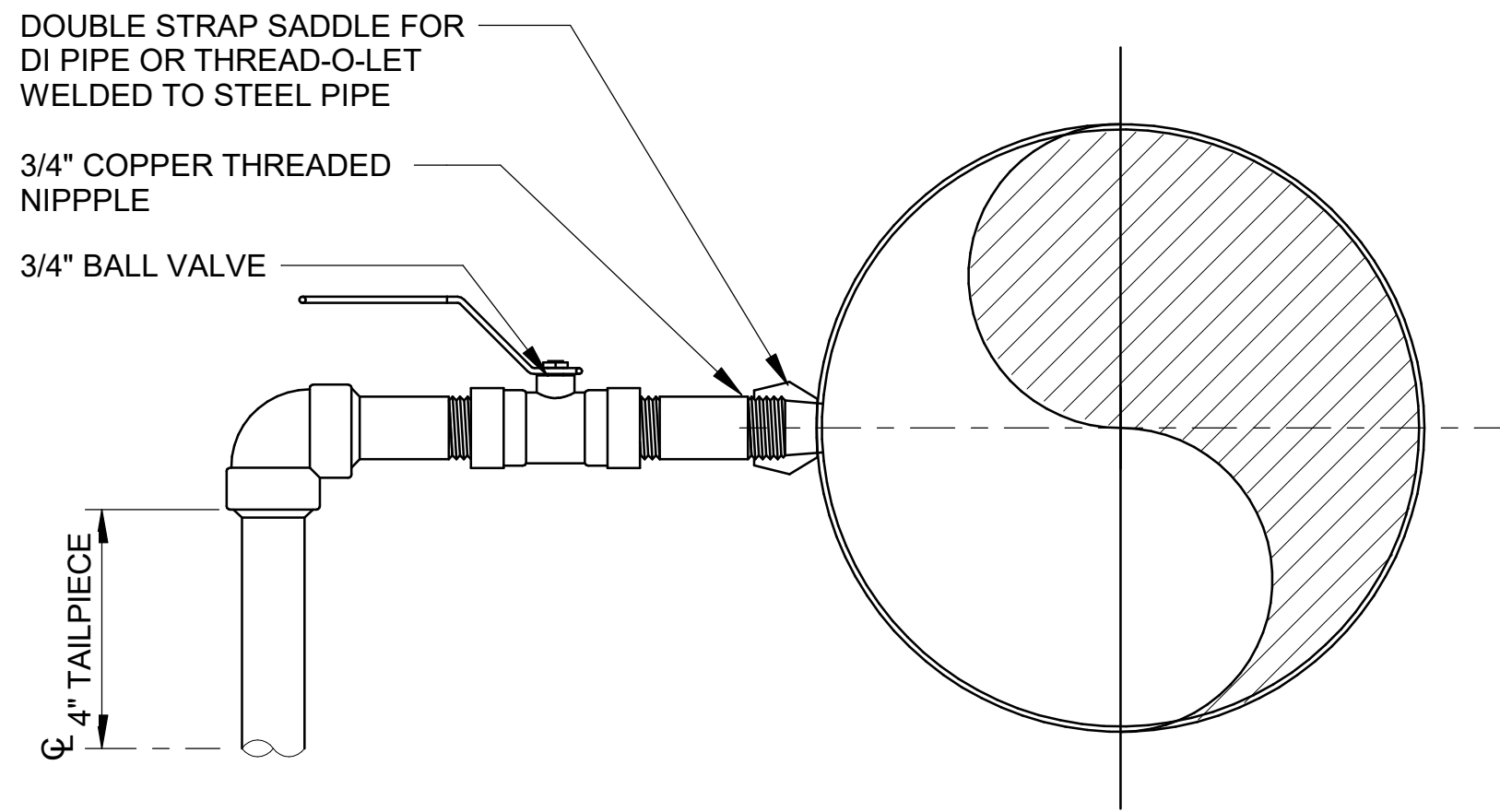
**09-S301**

SHEET  
NUMBER **50**

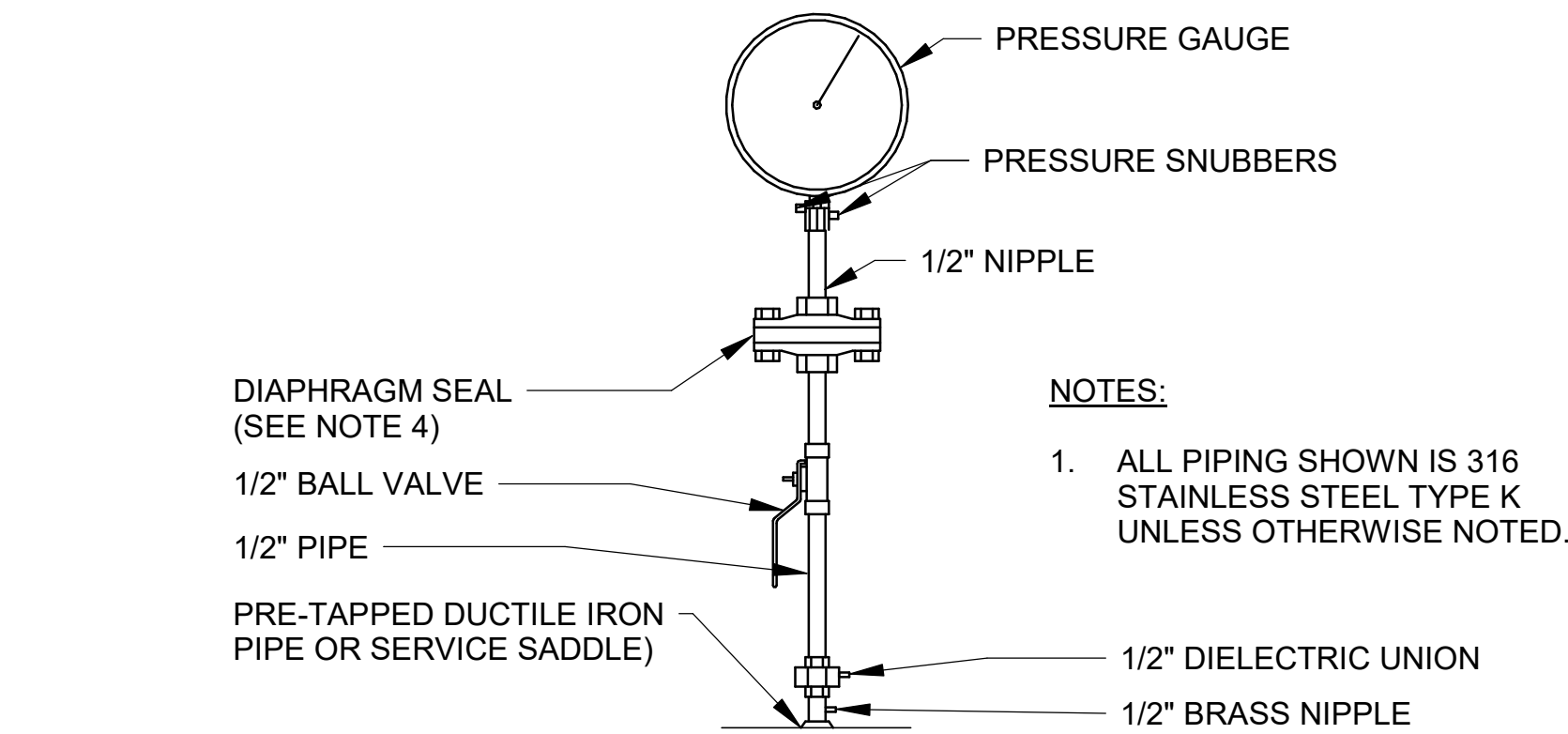
EPC 2/14/2023



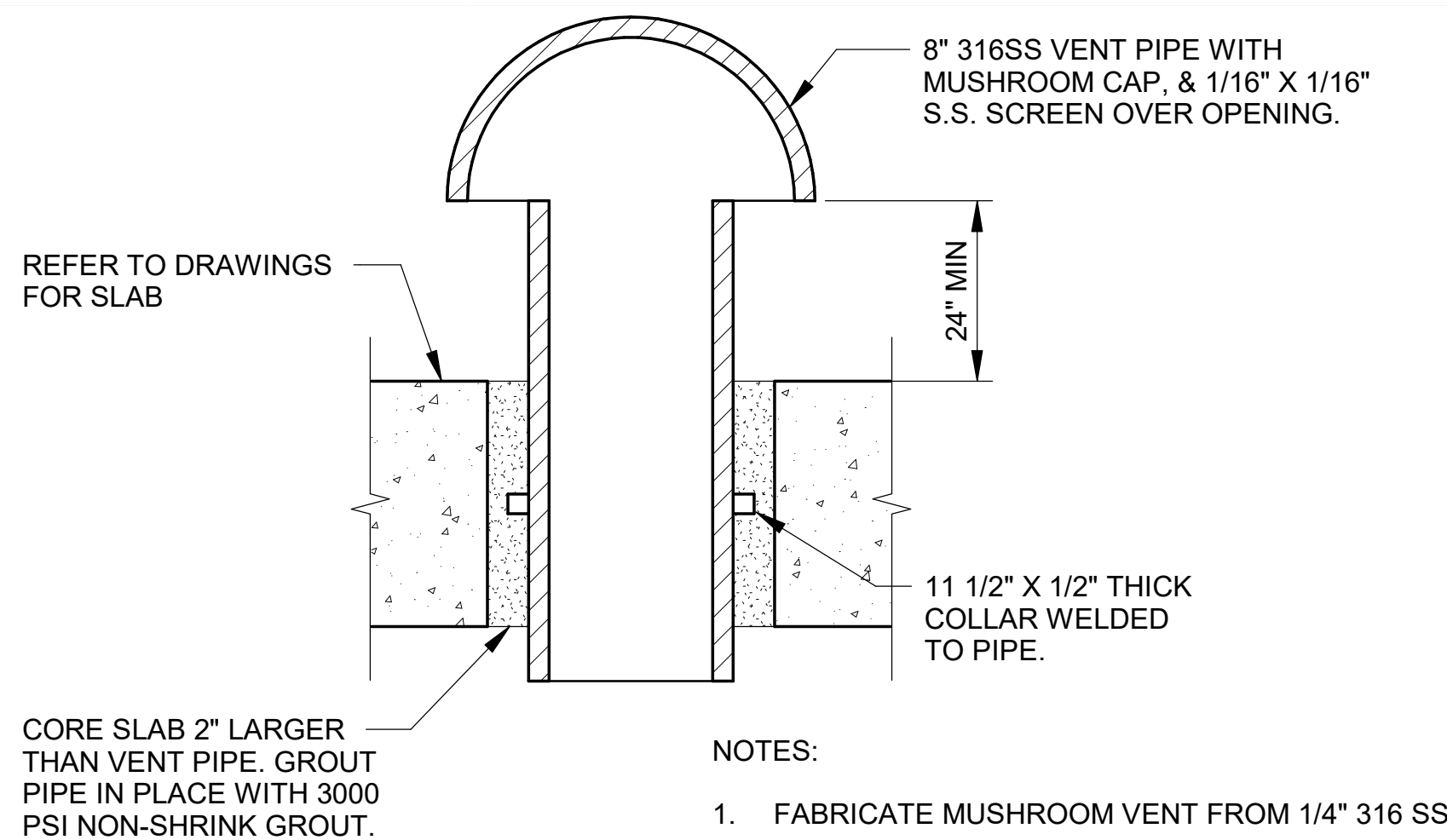
Revit File: C:\Users\SSPodolska\Documents\WIDEFIELD Flow Meter Vault 0802022\_SSPodolska.rvt  
Plot Date: 12/9/2022 8:45:13 AM



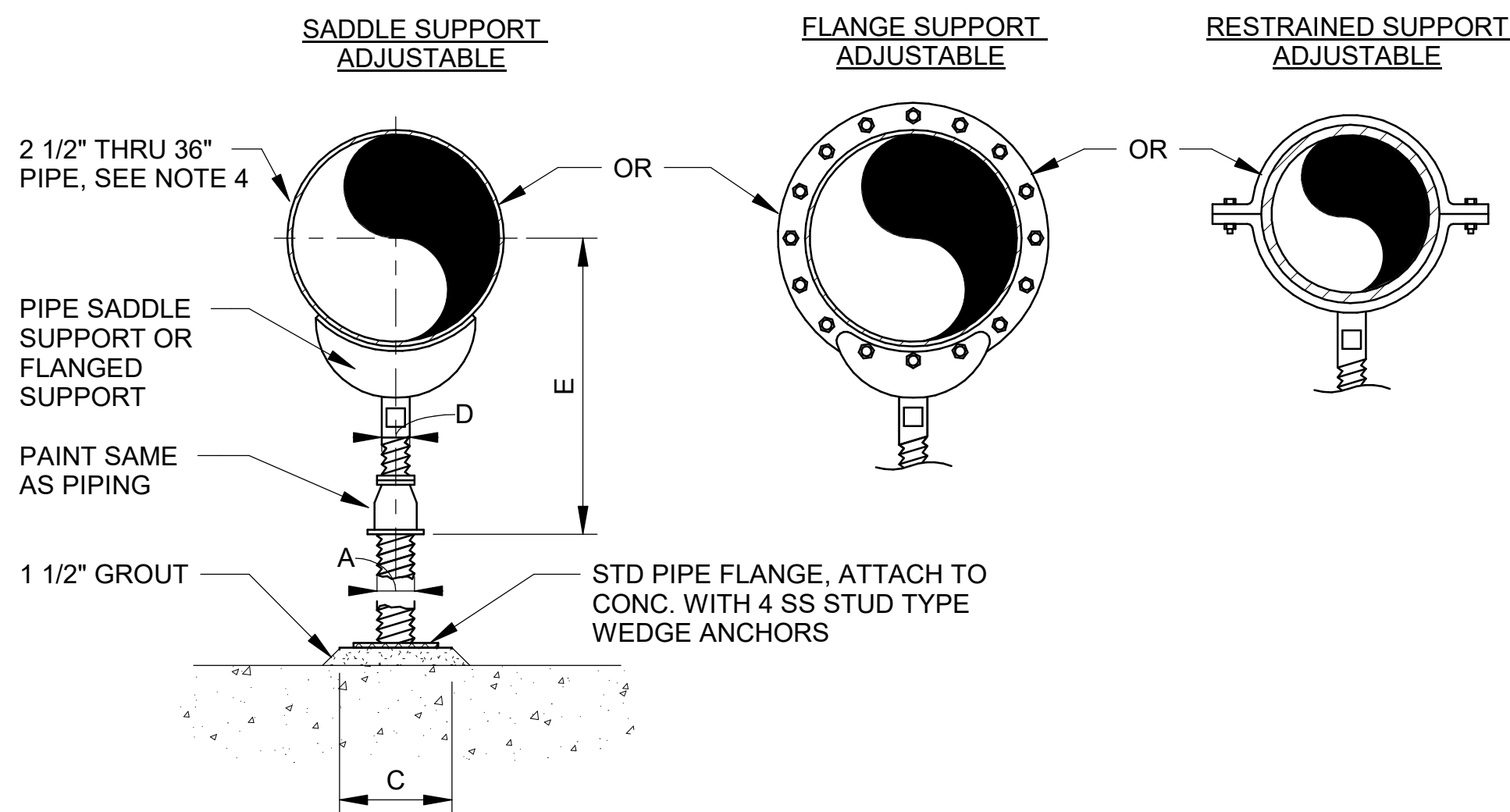
1  
09-S302  
**SMOOTH NOSE SAMPLE TAP**  
SCALE: NOT TO SCALE



2  
09-S302  
**TYPICAL PRESSURE INDICATOR INSTALLATION**  
SCALE: NOT TO SCALE



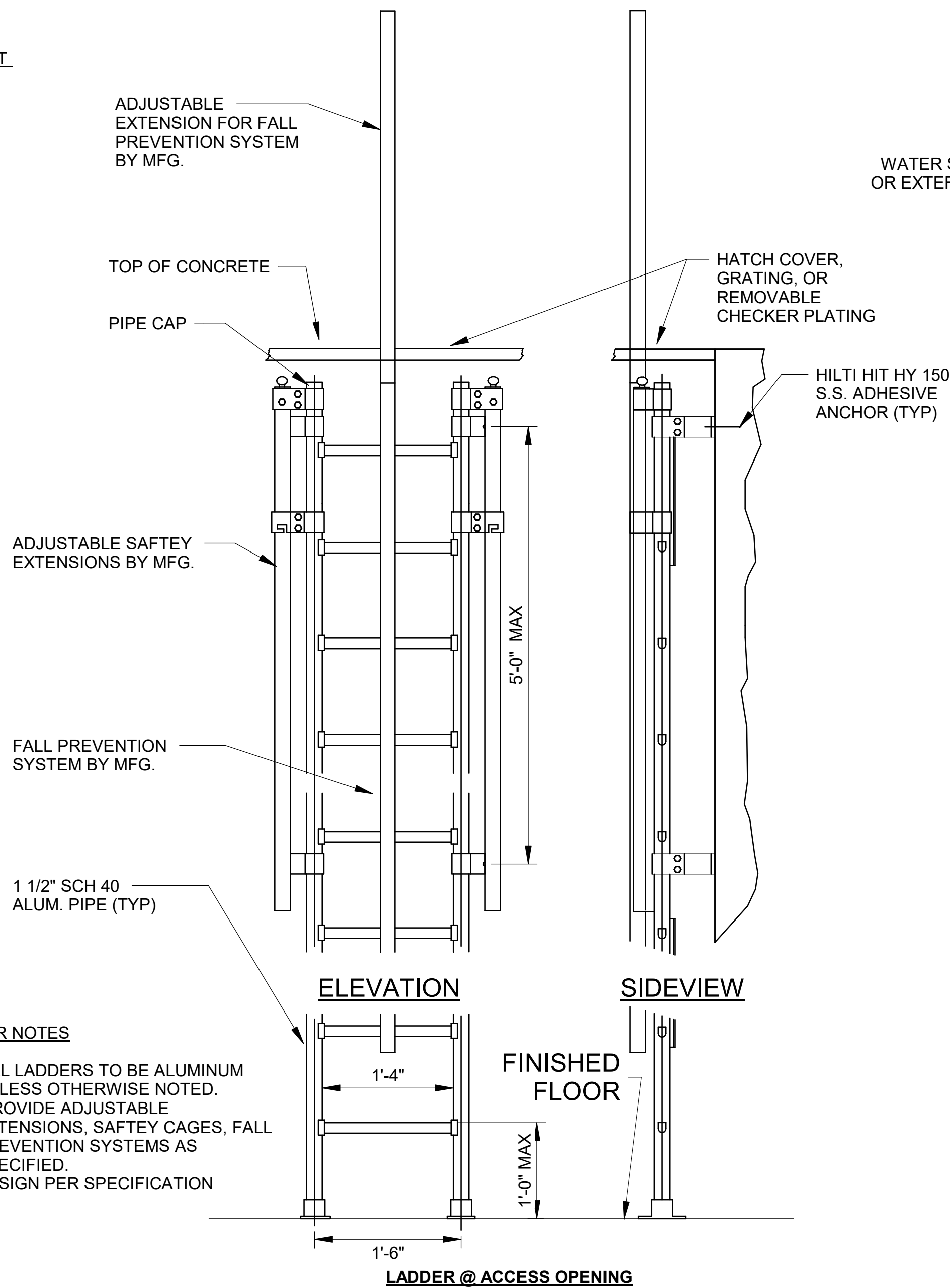
3  
09-S302  
**MUSHROOM STYLE VENT DETAIL**  
SCALE: NOT TO SCALE



DIMENSION TABLE						
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"

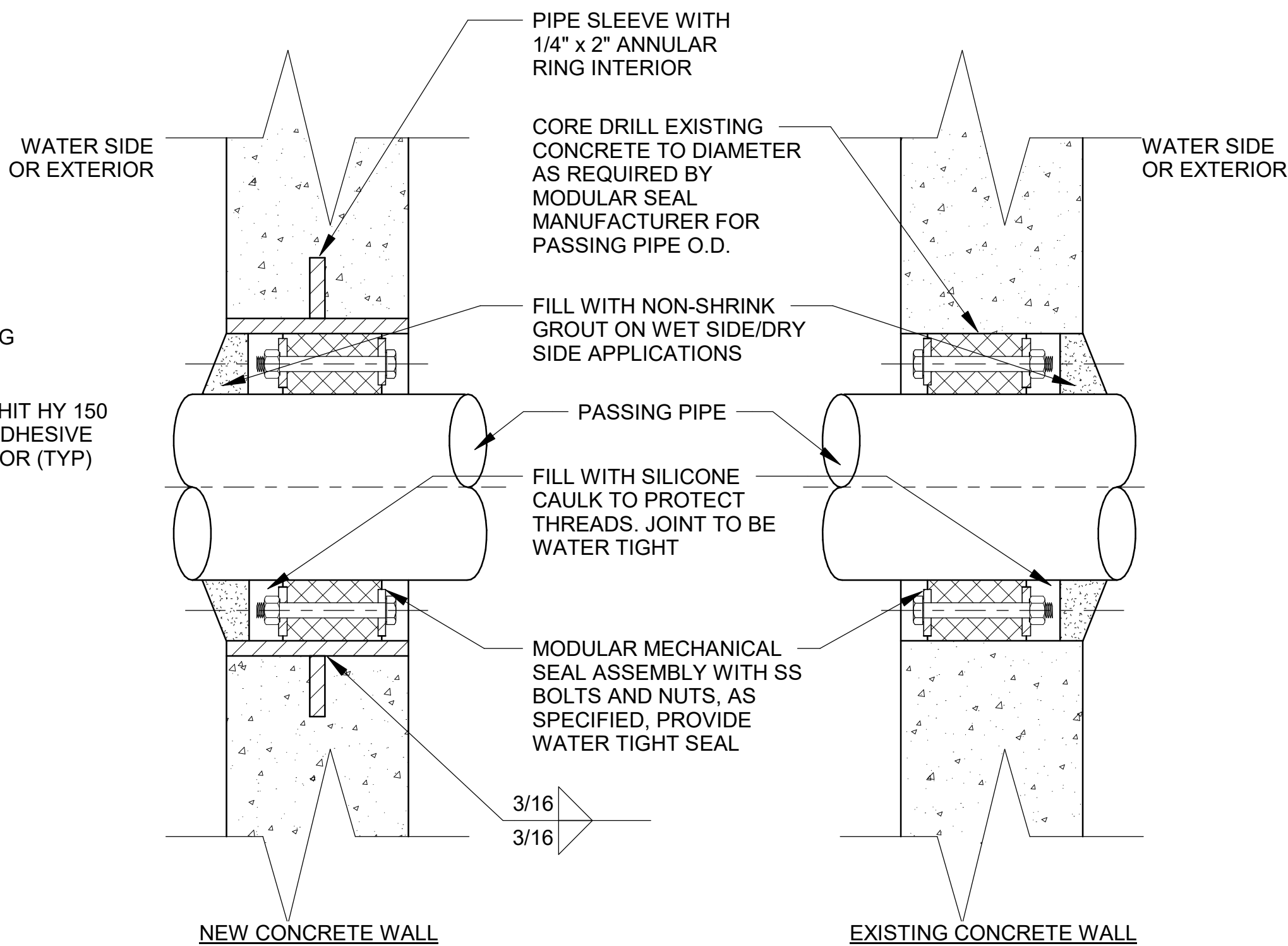
- NOTES:
- PROVIDE HALF ROUND RIGID INSULATION AND INSULATION PROTECTION SHIELD WHERE PIPING IS INSULATED.
  - PROVIDE NEOPRENE WAFFLE INSULATION PAD, SIMILAR TO MASON TYPE "W" OR KORFUND 40, UNDER SUPPORT FOOT WHEN PIPING IS ISOLATED OR SUPPORT IS ADJACENT TO MECHANICAL EQUIPMENT.
  - FOR BASE, HEIGHT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

4  
09-S302  
**ADJUSTABLE FLOOR MOUNTED PIPE SUPPORT**  
SCALE: NOT TO SCALE



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

5  
09-S302  
**STANDARD LADDER DETAILS**  
SCALE: NOT TO SCALE



- NOTES:**
- 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.
  - 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.
  - 6" DIAMETER SLEEVES AND SMALLER SHALL BE SCHEDULE 40 STEEL PIPE.
  - SLEEVES LARGER THAN 6" DIAMETER SHALL BE 1/4" THICK STEEL PIPE.
  - 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.
  - SLEEVE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
  - 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-S302  
**WALL PENETRATION SEAL**  
SCALE: NOT TO SCALE



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



BY	DESCRIPTION	DATE	REV.

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

METER VAULT DETAILS

JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: DBG  
DRAWN BY: AEG

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

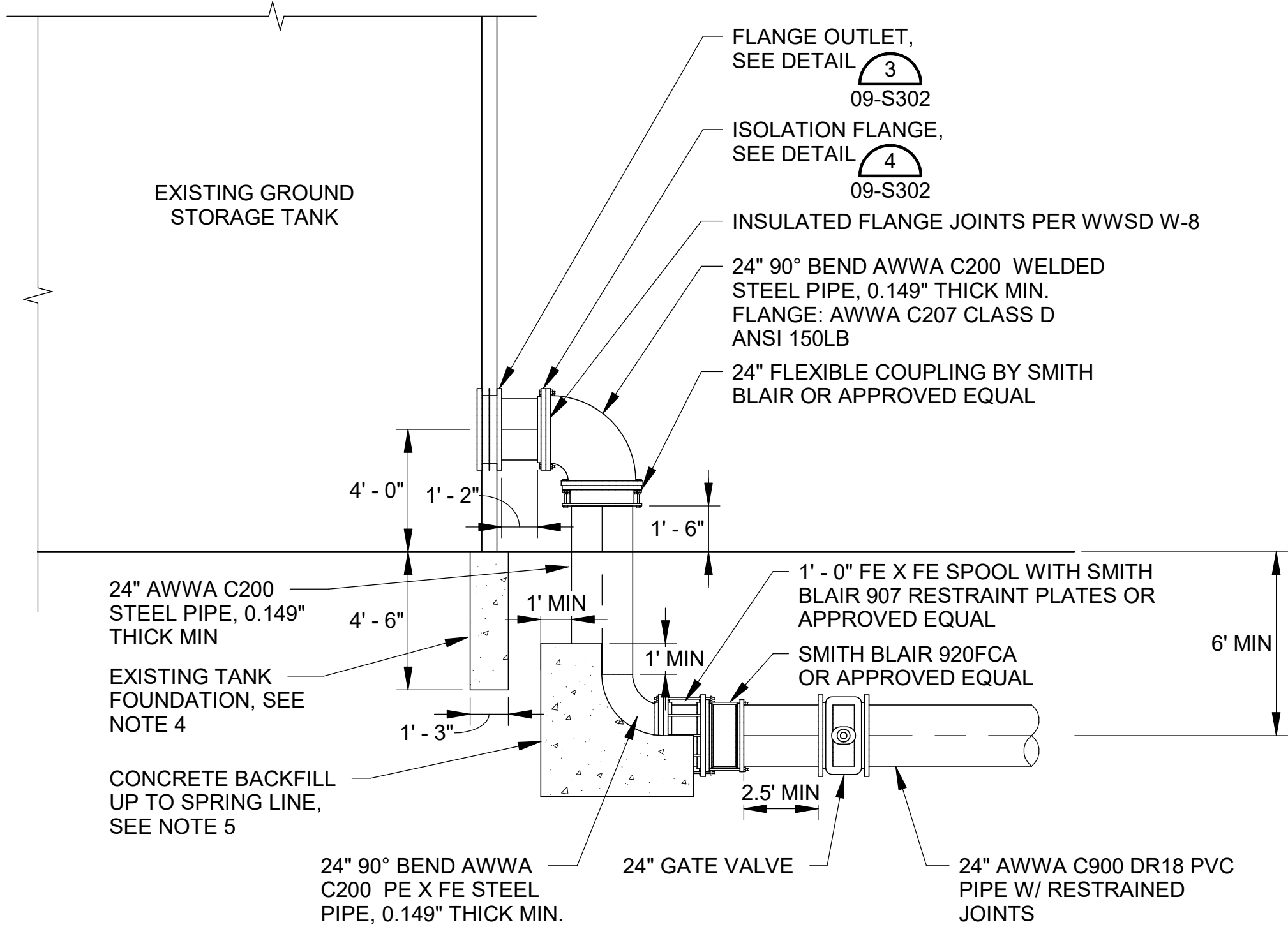
DRAWING NUMBER  
**09-S302**

SHEET NUMBER  
**51**

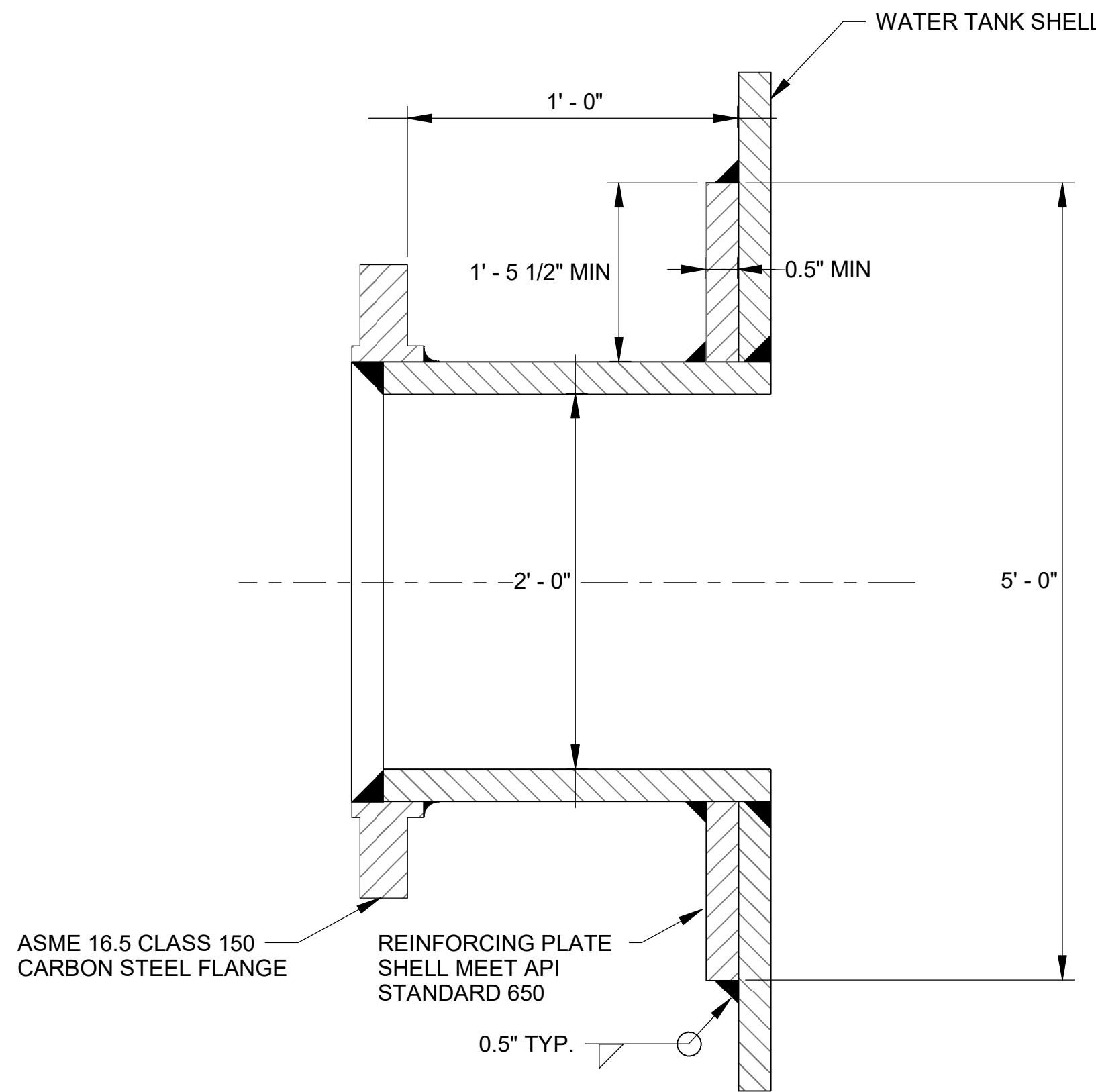
EPC 2/14/2023



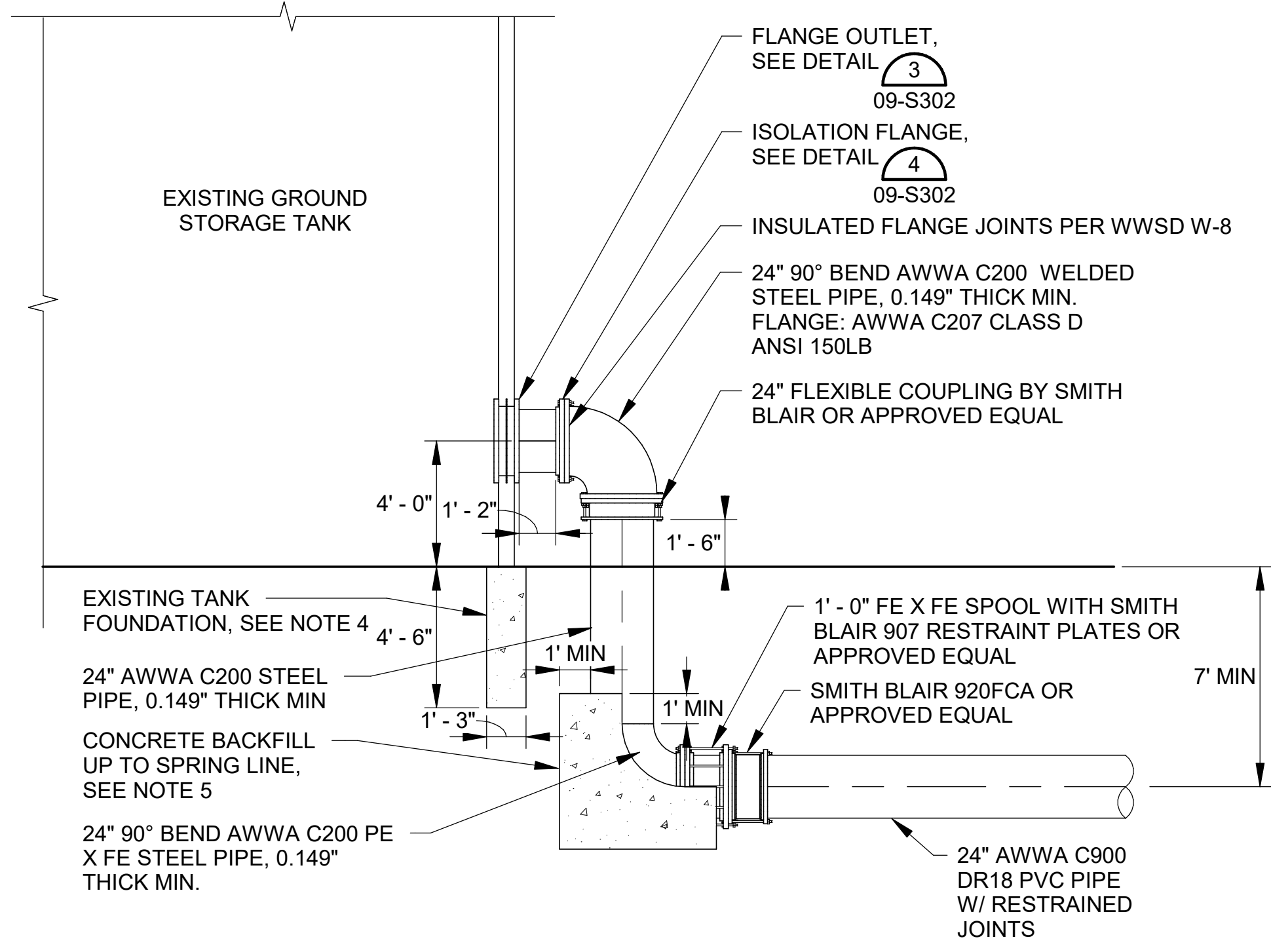
Revit File: C:\Users\FPSaucedoReyes\Documents\Tank Connection Detail\_FP\SaucedoReyes.rvt  
Plot Date: 12/15/2022 4:14:17 PM



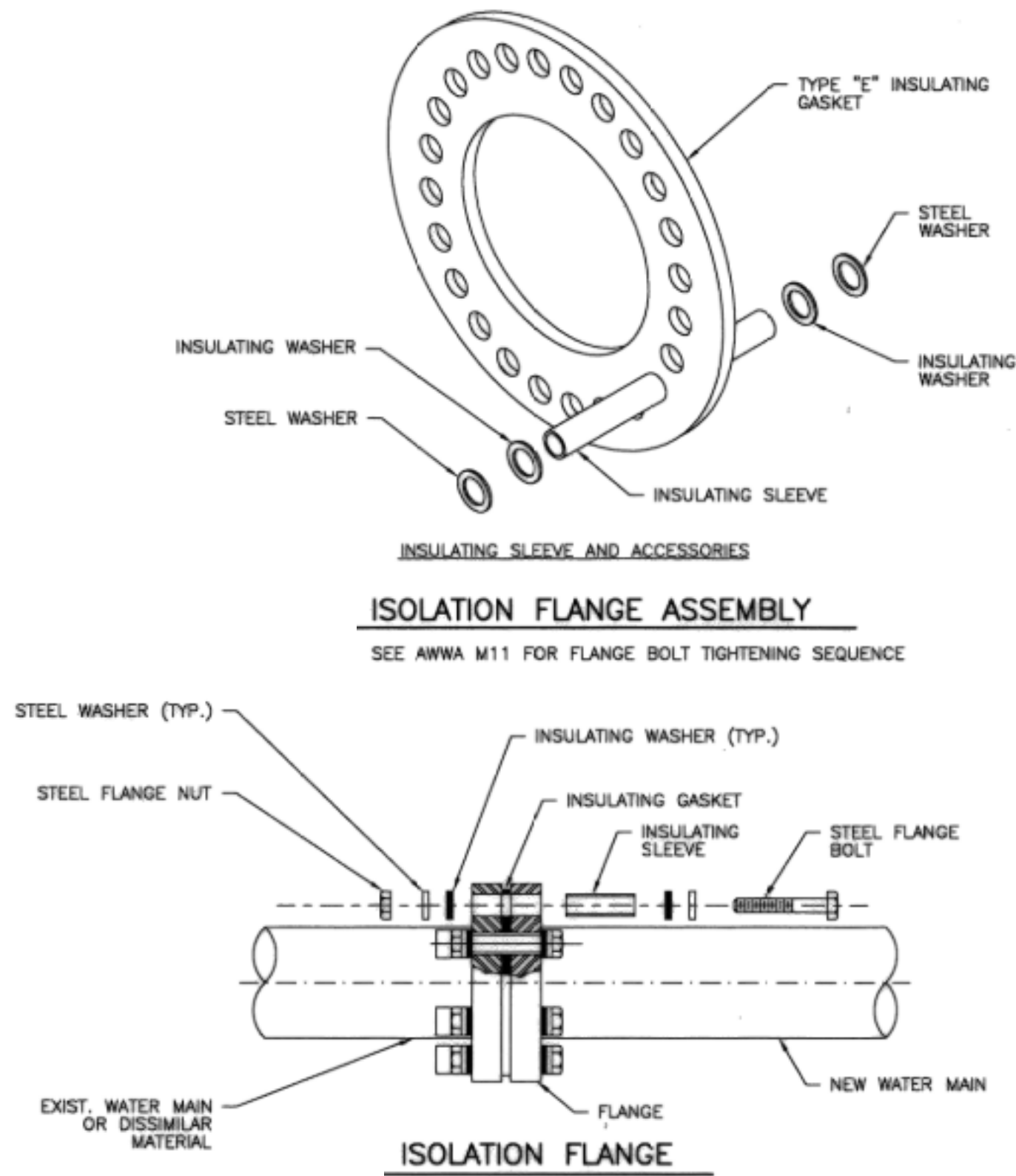
1  
09-S303  
OUTLET TANK ASSEMBLY DETAIL  
SCALE: 1/4" = 1'-0"



3  
09-S303  
FLANGE OUTLET  
SCALE: NOT TO SCALE



2  
09-S303  
INLET TANK ASSEMBLY DETAIL  
SCALE: 1/4" = 1'-0"



4  
09-S303  
ISOLATION FLANGE DETAIL  
SCALE: NOT TO SCALE

GENERAL NOTES:

- FOR TANK COATING AND LINING REQUIREMENTS, REFER TO SPECIFICATION 09 90 00.
- ALL STEEL PIPE LINING AND COATING TO MEET REQUIREMENTS OF AWWA C200.
- REFER TO DRAWING 99-C504 TO GATE VALVE BACKFILL DETAILS.
- EXISTING TANK FOUNDATION IS SHOWN PER AS-BUILT DRAWINGS. HAND EXCAVATE AROUND TANK FOOTING AND PROTECT IN PLACE.
- CONCRETE BACKFILL SHALL CONTAIN A MINIMUM CEMENTIOUS CONTENT OF 420 LB PER CUBIC YARD WITH A 2,000 PSI COMPRESSIVE STRENGTH. DOUBLE WRAP STEEL PIPE AND FITTINGS IN POLYETHYLENE WRAP AS A BOND BREAKER BETWEEN PIPE AND CONCRETE.
- PROVIDE FUSION BONDED EPOXY COATING ON SMITH BLAIR FITTINGS.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



BY	
DESCRIPTION	
DATE	
REV.	

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

TANK CONNECTION  
DETAIL 2

JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: MAS  
DRAWN BY: FSR

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

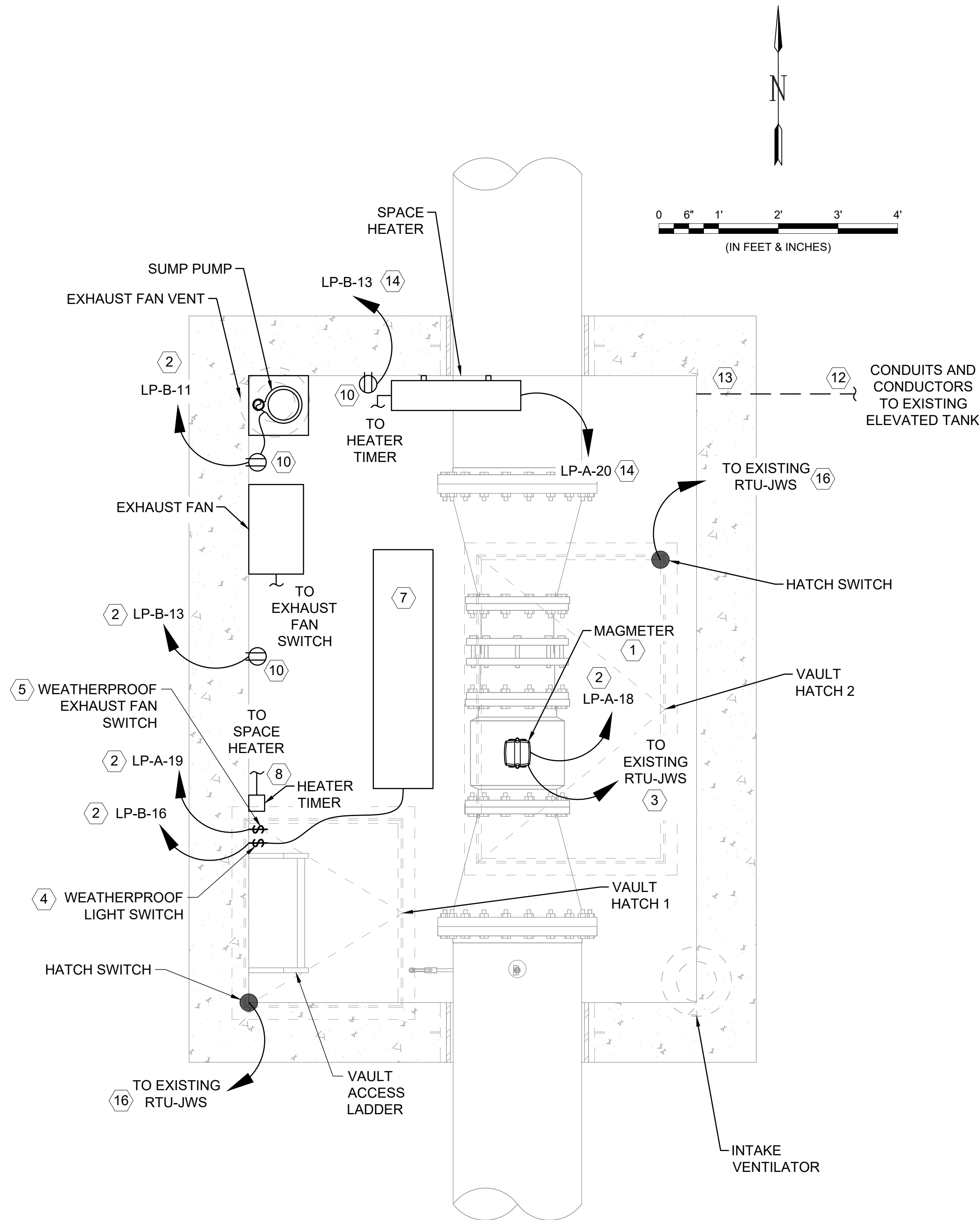
DRAWING NUMBER

**09-S303**

SHEET NUMBER **52**



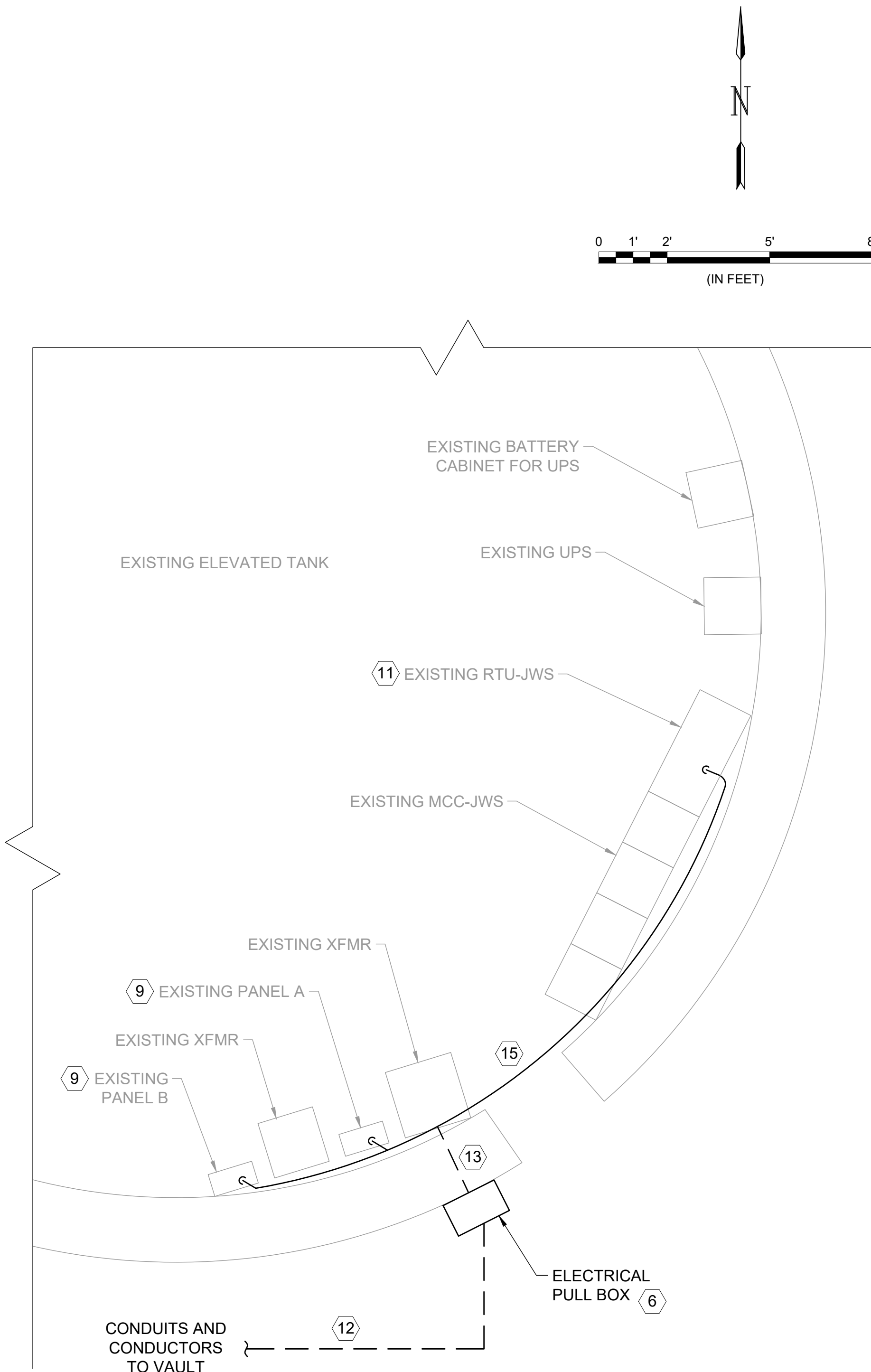
File: I:\2021\21w23110 - wwsd uv2e cmar\Drawings\WWSd UM CMAP - 09- E101.dwg Last Save: 12/22/2022 10:17 AM Last saved by: CMedina  
Last plotted by: Medina, Carlos Plot Date: 12/22/2022 10:21 AM Plotter used: None



1  
09-E101

**WIDEFIELD METER VAULT ELECTRICAL PLAN**

SCALE:  $\frac{3}{4}" = 1'-0"$



2  
09-E102

**WIDEFIELD EST PEDESTAL ELECTRICAL PLAN**

SCALE:  $\frac{3}{8}" = 1'-0"$

GENERAL NOTES:

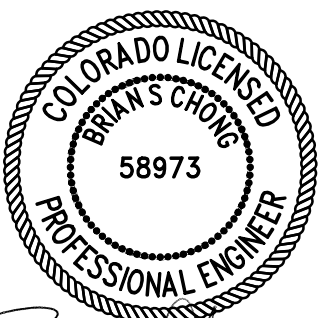
1. ALL CONDUIT FILL AND WIRE BEND RADIUS REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
2. CONTRACTOR SHALL FIELD LOCATE AND COORDINATE WITH ENGINEER FOR ALL EQUIPMENT LAYOUTS, CLEARANCES, LOCATIONS AND CONDUIT ROUTINGS PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, WIRING, TERMINATIONS, ENCLOSURES, AND OTHER ITEMS AS NECESSARY FOR COMPLETE AND FUNCTIONAL SYSTEM. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS AND OTHER SECTIONS OF THE PLANS FOR ITEMS AS MAY BE REQUIRED.
4. CONTRACTOR SHALL COORDINATE CONDUIT, WIRE AND INTERCONNECTIONS AS REQUIRED BY EQUIPMENT SUPPLIER. NOT ALL CONNECTIONS SHOWN.
5. CONTRACTOR SHALL INSTALL CONDUITS ALONG VAULT WALLS USING S.S. UNISTRUT, CONDUIT STRAPS, AND HARDWARE.
6. ALL CONDUCTORS SHALL BE THHN TYPE AND MEET ALL REQUIREMENTS PER NEC RECOMMENDATIONS.
7. CONTRACTOR SHALL INCLUDE NAMEPLATE BELOW EQUIPMENT WITH UNIQUE LABEL DISPLAYING SOURCE PANEL AND CIRCUIT NUMBER.

KEYED NOTES:

- 1 FLEX CONDUIT TO BE SECURED TO PIPE WITH S.S. CONDUIT STRAPS AND HARDWARE.
- 2 1"C. W/ 2-#12, #12 GND
- 3 1"C. W/ 1-#16TSP
- 4 LIGHT SWITCHES TO BE MOUNTED ON VAULT WALL 1' BELOW TOP OF VAULT.
- 5 CONTRACTOR SHALL INSTALL EXHAUST FAN SWITCH ON VAULT WALL 1' BELOW TOP OF VAULT.
- 6 CONTRACTOR TO INSTALL 20" X 20" X 12" NEMA 3R PULL BOX MOUNTED ON EXISTING ELEVATED TANK WALL. MIN. 18 INCHES OFF GROUND.
- 7 CONTRACTOR TO CEILING MOUNT LITHONIA LED LUMINAIRE SUITABLE FOR DAMP LOCATIONS CATALOG NO.: FEM-L48-400LM-IMAF-LWD-120-GZ10-40K-80CRI. CONTRACTOR TO PROVIDE ALL REQUIRED MOUNTING HARDWARE.
- 8 HEATER TIMER TO BE MOUNTED ON VAULT WALL 1' BELOW TOP OF VAULT.
- 9 CONTRACTOR SHALL USE EXISTING 20A SPARE BREAKERS IN EXISTING LIGHTING PANEL "A" & "B" LOCATED INSIDE EXISTING ELEVATED STORAGE TANK PEDESTAL, TO POWER NEW VAULT CIRCUITS.
- 10 CONTRACTOR TO PROVIDE GFCI RECEPTACLES W/ WHILE IN USE COVERS. RECEPTACLES TO BE MOUNTED ON VAULT WALL 4' ABOVE VAULT FINISHED FLOOR.
- 11 CONTRACTOR SHALL PROVIDE ALL NECESSARY RTU PANEL MODIFICATIONS AND EQUIPMENT TO INCLUDE NEW VAULT SIGNALS. EQUIPMENT SHALL INCLUDE BUT NOT BE LIMITED TO I/O CARDS, TERMINAL BLOCKS, CONDUCTORS, AND RELAYS. CONTRACTOR SHALL COORDINATE WITH CLIENT FOR REPROGRAMING OF EXISTING PLC TO INCLUDE FOUR NEW SIGNALS FROM THE TWO PROPOSED VAULT ACCESS HATCHES AND FLOWMETER 4-20 mA ANALOG SIGNAL. THE PLC WILL BE UPDATED TO INCLUDE STATUS NOTIFICATIONS INDICATING HATCH OPEN AND HATCH CLOSED FOR EACH HATCH AND DISPLAY FLOW FROM NEW MAGNETIC FLOWMETER.
- 12 CONDUITS BETWEEN EXISTING ELEVATED TANK AND METER VAULT TO BE DIRECT BURY.
- 13 CONTRACTOR SHALL CORE THROUGH WALL FOR CONDUIT INSTALLATION. CONCRETE PENETRATION SHALL BE SEALED WATERTIGHT WITH NON EXPANDING CEMENTITIOUS GROUT.
- 14 1"C. W/ 2-#10, #10 GND
- 15 CONTRACTOR SHALL ROUTE CONDUITS ALONG WALL AND SUPPORT USING STAINLESS STEEL UNISTRUT, STRAPS, AND HARDWARE.
- 16 1"C. W/ 4-#14, 2-#14 SPARE, #14 GND



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



DIGITALLY SIGNED: 12/22/22

BY	DESCRIPTION	DATE	REV.

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

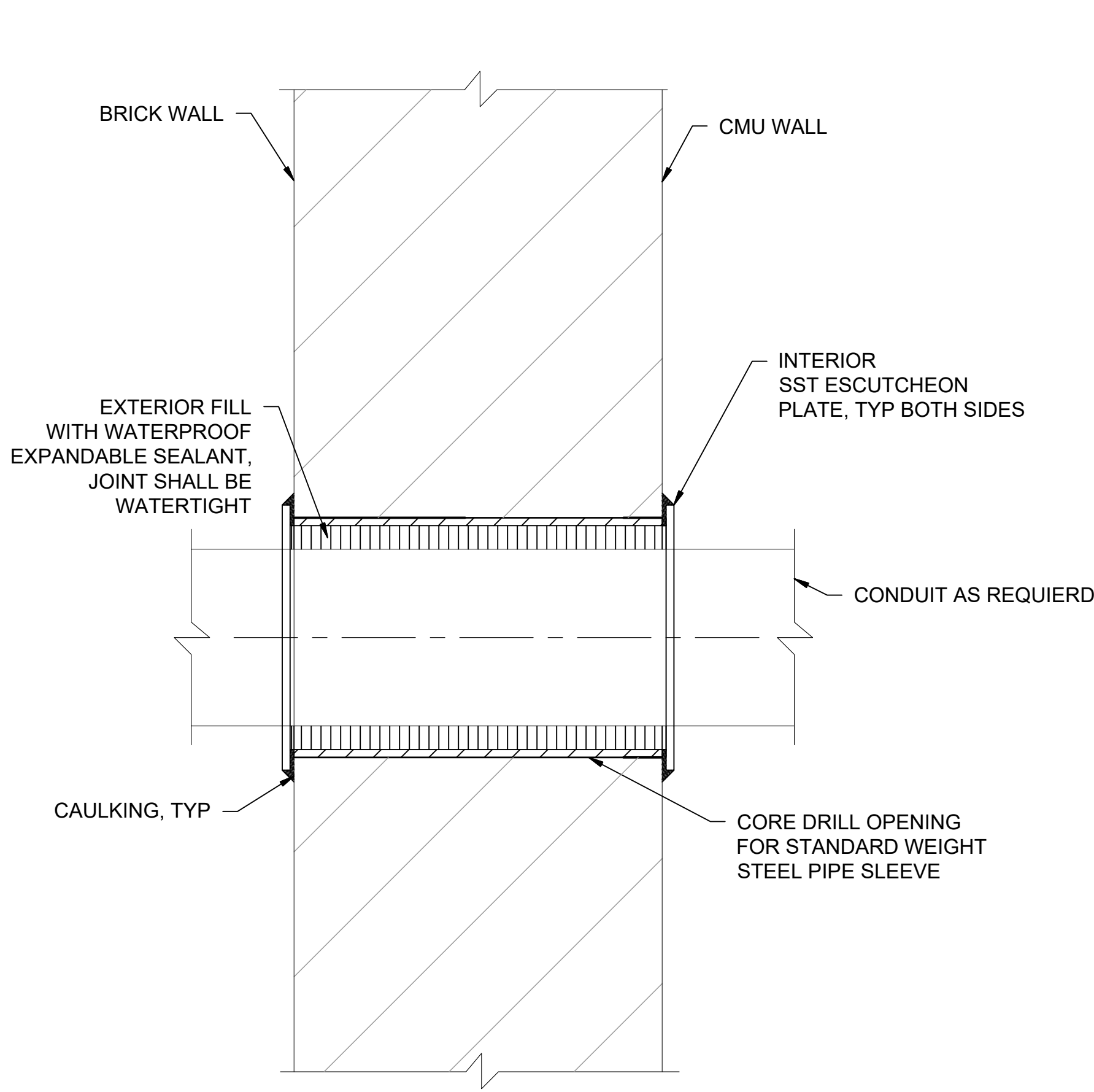
WIDEFIELD METER VAULT ELECTRICAL PLAN

JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: KAD  
DRAWN BY: CM

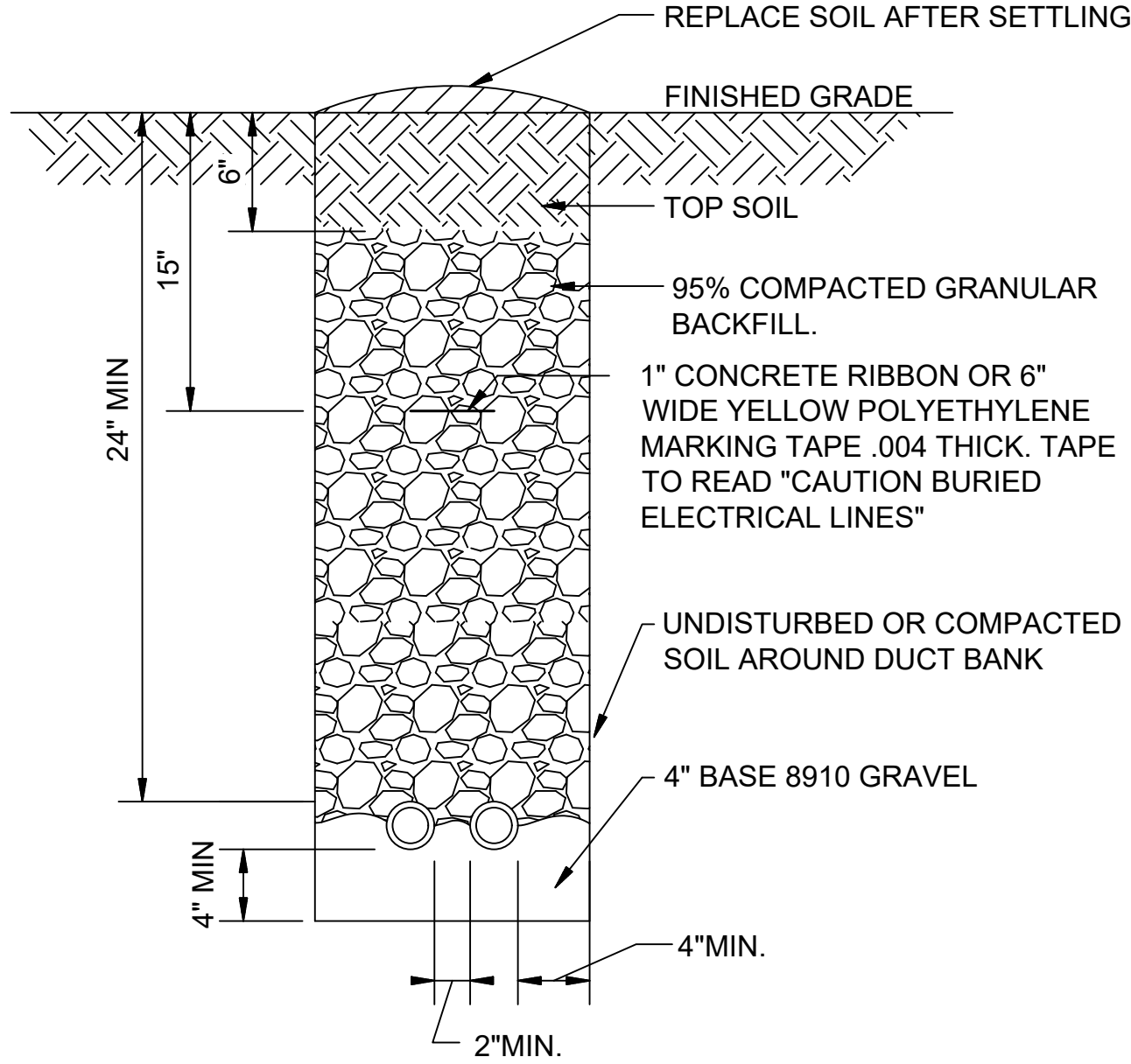
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.  
DRAWING NUMBER  
**09-E101**  
SHEET NUMBER  
**53**



File: I:\2021\21w23110 - wwsd\_luv2e\_cmar\Drawings\WWSd UM CMAR - 09- E701.dwg Last Save: 12/12/2022 3:41 PM Last saved by: CMedina  
Last plotted by: Medina, Carlos Plot Date: 12/22/2022 10:00 AM Plotter Used: None

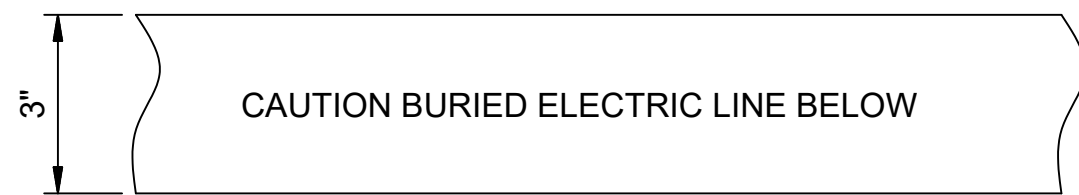


1  
09-E701  
TYPICAL ELECTRICAL WALL PENETRATION  
SCALE: NOT TO SCALE



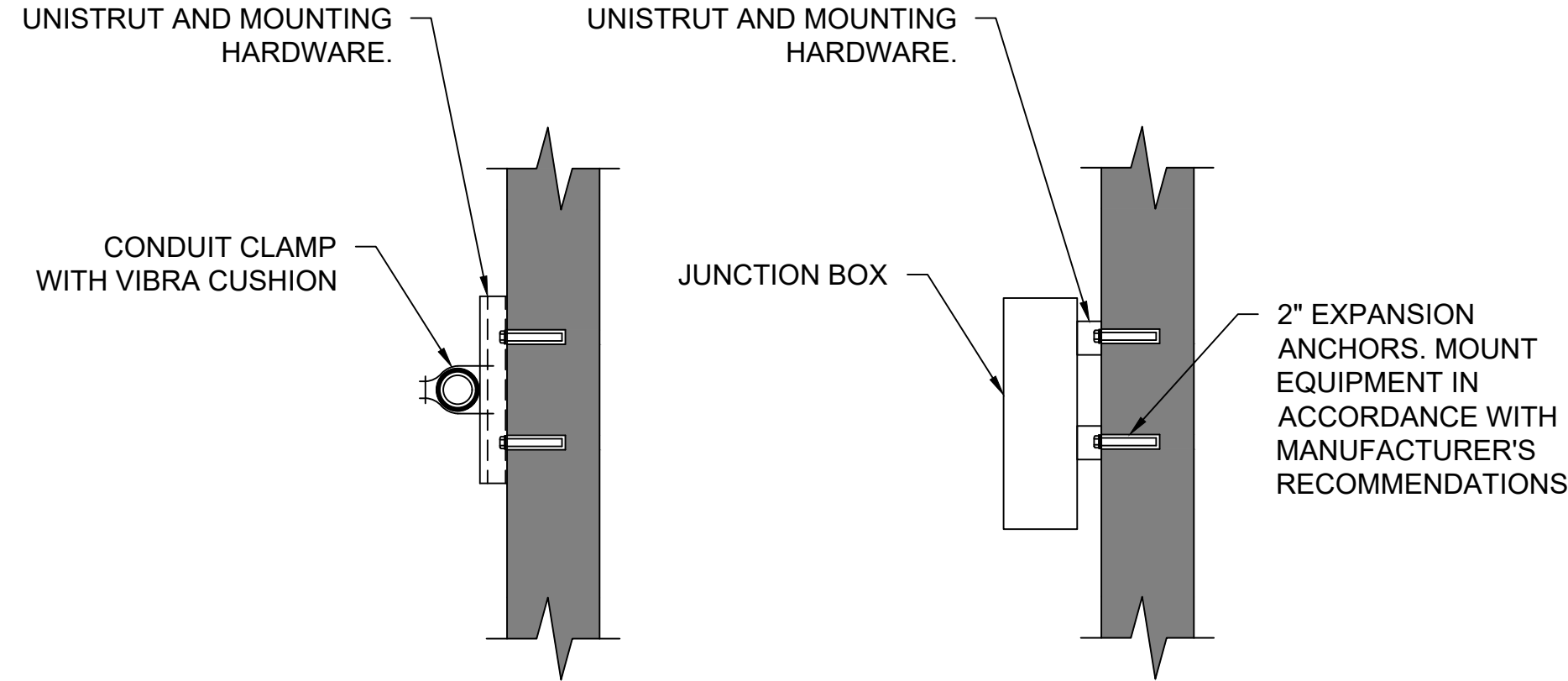
- NOTES:
1. CONTRACTOR SHALL STAKE THE DUCT INSTALLATION IN PLAN AND ELEVATION FOR NEW ELECTRICAL DUCTS TO AVOID EXISTING UTILITIES, STAKING PLAN SHALL BE APPROVED BY OWNER AND ENGINEER PRIOR TO WORK.
  2. CONTRACTOR SHALL ADJUST THE DEPTH OF THE ELECTRICAL DUCTS AS REQUIRED TO MAINTAIN THE MINIMUM COVER REQUIREMENT INDICATED AND AVOID EXISTING UTILITIES.
  3. SIMILAR CONSTRUCTION FOR OTHER DUCT SIZES. SEE ELECTRICAL PLAN SHEETS FOR QUANTITY AND SIZES.
  4. INSTALL CONDUCTORS AND CABLES AS NOTED ON DRAWINGS. INSTALL PULL ROPE IN ALL SPARE DUCTS.
  5. MINIMUM COVER REQUIREMENT SHALL BE 24".

2  
09-E701  
TYPICAL DIRECT BURY CONDUIT DETAIL  
SCALE: NOT TO SCALE



- NOTES:
1. POWER MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH RED BACKGROUND AND BLACK LETTERING.
  2. COMMUNICATION MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH ORANGE BACKGROUND AND BLACK LETTERING, "TELEPHONE LINE" OR "FIBER OPTIC LINE" RESPECTIVELY.
  3. TAPE SHALL BE DETECTABLE, DURABLE, HIGHLY VISIBLE, RESISTANT TO ELEMENTS, MEETING AND/OR EXCEEDING ALL INDUSTRY STANDARDS.

4  
09-E701  
UNDERGROUND DETECTABLE WARNING TAPE DETAIL  
SCALE: NOT TO SCALE

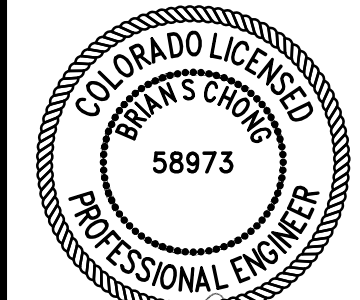


- NOTES:
1. UNISTRUT AND MOUNTING HARDWARE MATERIAL AS CALLED OUT IN ELECTRICAL PLAN SHEETS AND SPECIFICATIONS.
  2. SINGLE CONDUIT SHOWN. SIMILAR FOR MULTIPLE CONDUITS.
  3. SIMILAR FOR ALL ELECTRICAL ENCLOSURES AND PANELS.
  4. VIBRA CUSHION ONLY REQUIRED WHERE NEEDED TO PREVENT METAL TO METAL CONTACT OF DISSIMILAR METAL TYPES OR WHERE EXCESSIVE VIBRATION MAY OCCUR.

3  
09-E701  
CONDUIT AND JUNCTION BOX SUPPORT DETAIL  
SCALE: NOT TO SCALE



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



DIGITALLY SIGNED: 12/22/22

BY	DESCRIPTION	DATE	REV.

WIDEFIELD WATER  
AND SANITATION  
DISTRICT  
WIDEFIELD, COLORADO

UPPER WEST TO EAST  
TRANSMISSION LINE

#### ELECTRIC DETAILS

JOB NO.: 21W23110  
DATE: DECEMBER 2022  
DESIGNED BY: KAD  
DRAWN BY: CM

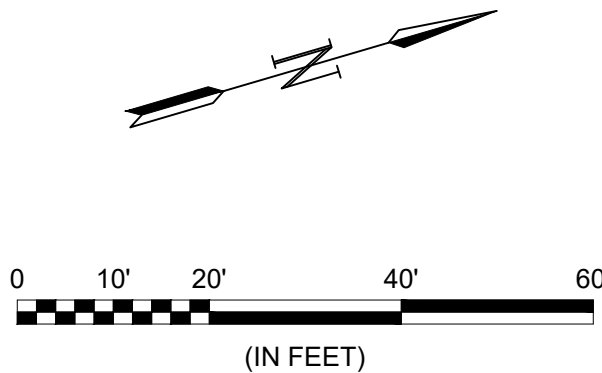
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET,  
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

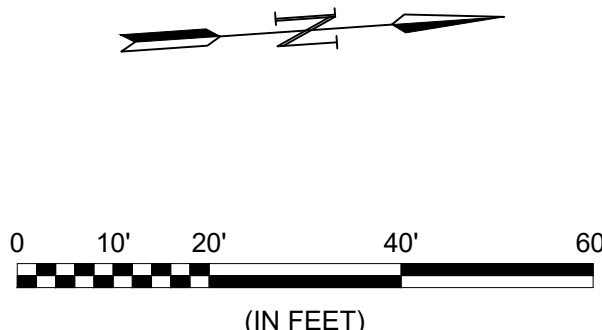
**09-E701**

SHEET  
NUMBER **54**





1. 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.
2. "LONG" WATER SERVICE LINES NEED TO BE AT 8.5' DEPTH AT ALL CROSSING WITH FUTURE 24", UNLESS OTHERWISE NOTED.
3. 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.
4. CONTRACTOR TO RESERVE ADEQUATE CLEARANCES AND UTILITIES SEPARATION FOR FUTURE 24" WATER LINE.
5. ANY DEVIATION FROM WWSO STANDARD AND DETAIL DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY OWNER AND ENGINEER PRIOR TO INSTALLATION.



SERVICE CONNECTIONS:

TOTAL NUMBER OF SERVICE CONNECTIONS= 6\*\* (LONG)

TOTAL NUMBER OF SERVICE CONNECTIONS= 7\*\* (SHORT)

\*\*TO BE FIELD VERIFIED

EPC 2/14/2023

[illegible]

**WIDEFIELD WATER  
AND SANITATION  
DISTRICT**  
WIDEFIELD, COLORADO

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

0  1"

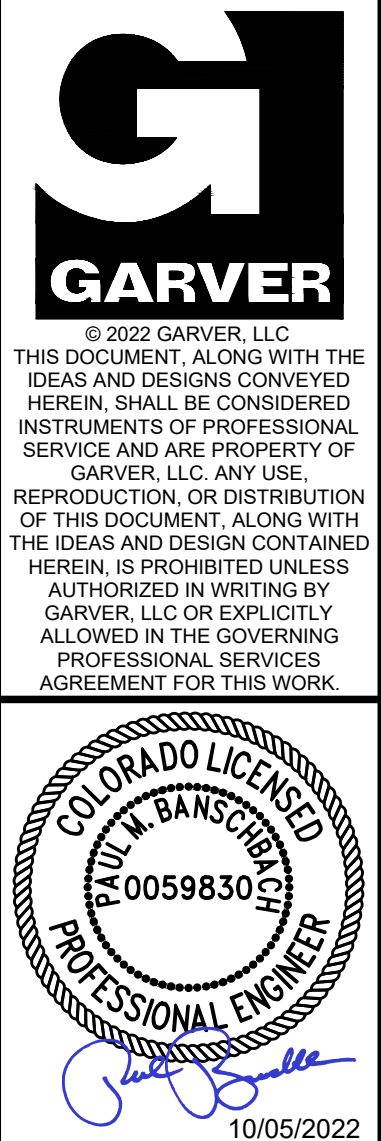
IF NOT ONE INCH ON THIS SHEET,  
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

**10-C301**

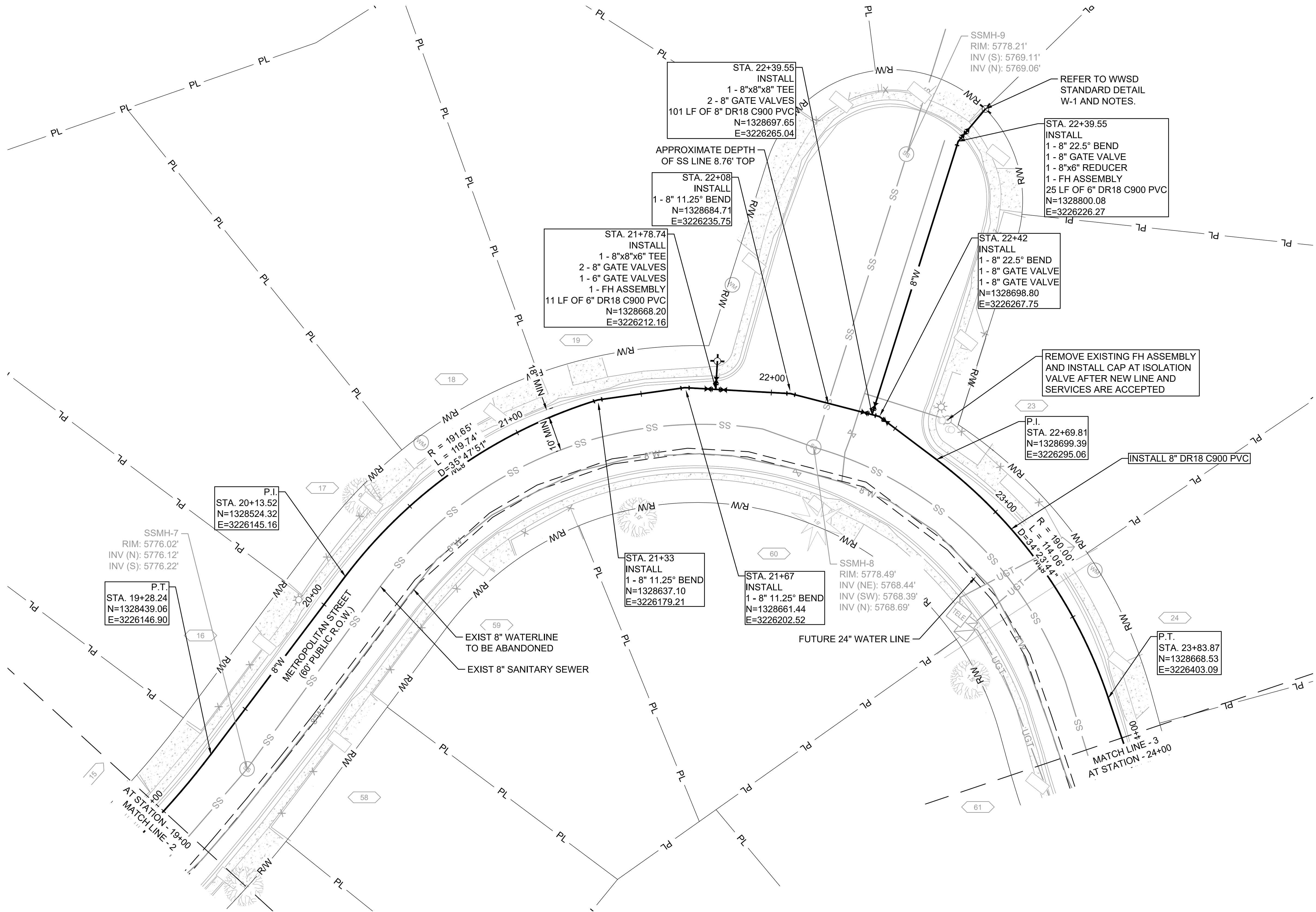
SHEET  
NUMBER

**55**





File: I:\2021\21w23110 - wwsd\uv2e\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 Date: 10/4/2022 4:31 PM Plotter used: None



**GENERAL NOTES:**

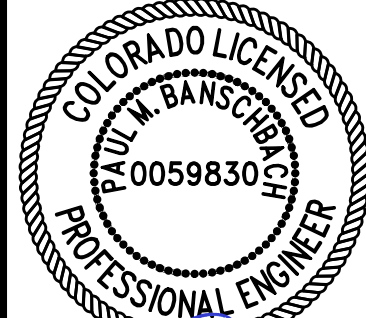
1. FOR WATER DISTRIBUTION LINES (10" OR LESS), LOWERING OF 2' OR LESS SHALL BE ACCOMPLISHED BY DEFLECTION IF POSSIBLE. LOWERING IN EXCESS OF 2' SHALL REQUIRE A FORMAL LOWERING THAT INCLUDES FITTINGS (SEE STANDARD DRAWING W-16) PROVIDING NOTE 8 ON STANDARD DETAIL W-16 DOES NOT APPLY.
2. "LONG" WATER SERVICE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

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

EPC 2/14/2023



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



10/05/2022

BY	DESCRIPTION	DATE	REV.

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

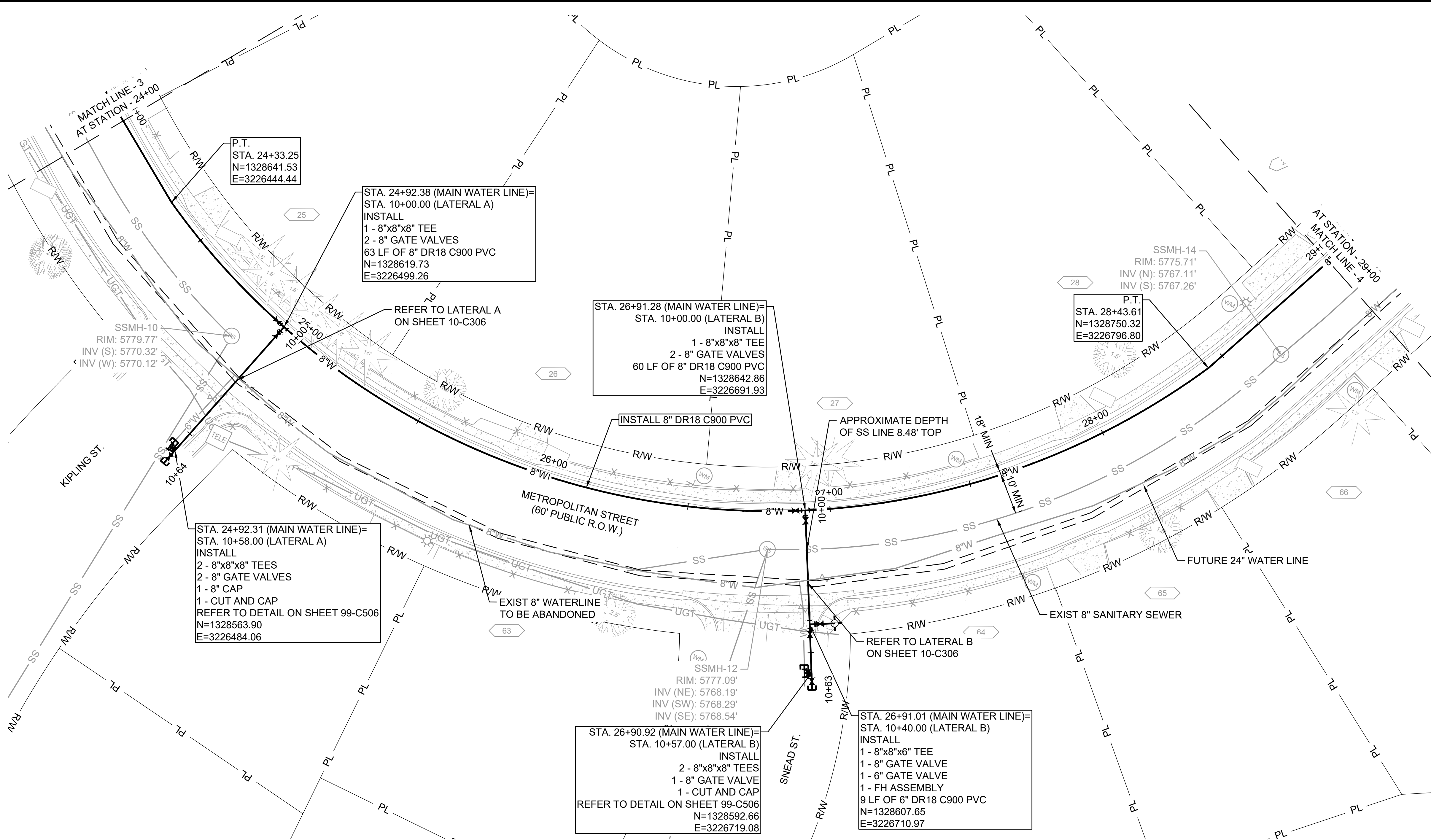
PLAN AND PROFILE  
(STA. 19+00 TO STA. 24+00)

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  
**56**



File: I:\2021\21w23110 - wwsd uv2e 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 4:32 PM Plotter used: None

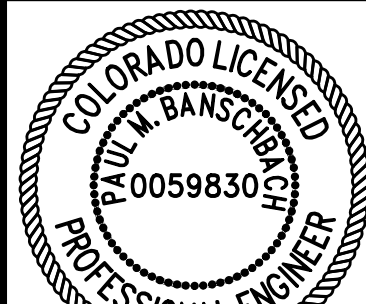


**GENERAL NOTES:**

1. 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.
2. "LONG" WATER SERVICE LINES NEED TO BE AT 8.5' DEPTH AT ALL CROSSING WITH FUTURE 24", UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO RELOCATE ALL EXISTING WATER SERVICE LINES AND REPLACE FROM MAIN ("CORP") UP TO CURB STOP OR METER VALVE, RESTORING SERVICES, PER WWSD STANDARDS.
4. CONTRACTOR TO RESERVE ADEQUATE CLEARANCES AND UTILITIES SEPARATION FOR FUTURE 24" WATER LINE.
5. ANY DEVIATION FROM WWSD STANDARD AND DETAIL DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY OWNER AND ENGINEER PRIOR TO INSTALLATION.



© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



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. 24+00 TO STA. 29+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-C303**  
SHEET NUMBER  
**57**

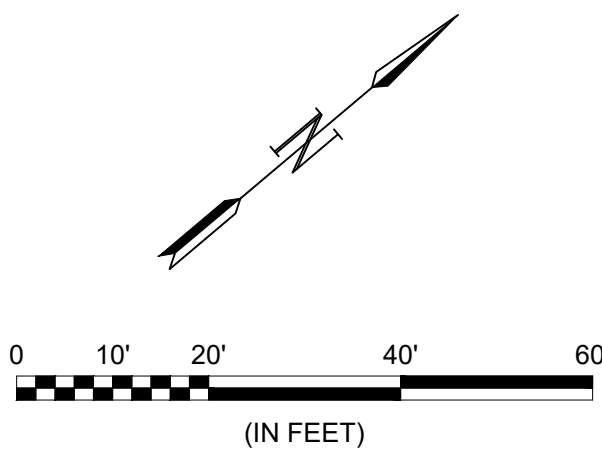
**SERVICE CONNECTIONS:**

TOTAL NUMBER OF SERVICE CONNECTIONS= 3\*\* (LONG)

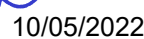
TOTAL NUMBER OF SERVICE CONNECTIONS= 5\*\* (SHORT)

\*\*TO BE FIELD VERIFIED  
EPC 2/14/2023





© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



REV.	DATE	DESCRIPTION	BY

**WIDEFIELD WATER  
AND SANITATION  
DISTRICT**  
WIDEFIELD, COLORADO

8" WATER DISTRIBUTION MAIN  
REPLACEMENT ON  
METROPOLITAN STREET

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

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

DRAWING NUMBER

**10-C304**

SHEET NUMBER **58**

- GENERAL NOTES :**
1. 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.
  2. "LONG" WATER SERVICE LINES NEED TO BE AT 8.5' DEPTH AT ALL CROSSING WITH FUTURE 24", UNLESS OTHERWISE NOTED.
  3. 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.
  4. CONTRACTOR TO RESERVE ADEQUATE CLEARANCES AND UTILITIES SEPARATION FOR FUTURE 24" WATER LINE.
  5. ANY DEVIATION FROM WWSO STANDARD AND DETAIL DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY OWNER AND ENGINEER PRIOR TO INSTALLATION.

## SERVICE CONNECTIONS

TOTAL NUMBER OF SERVICE CONNECTIONS= 2\*\* (LONG)

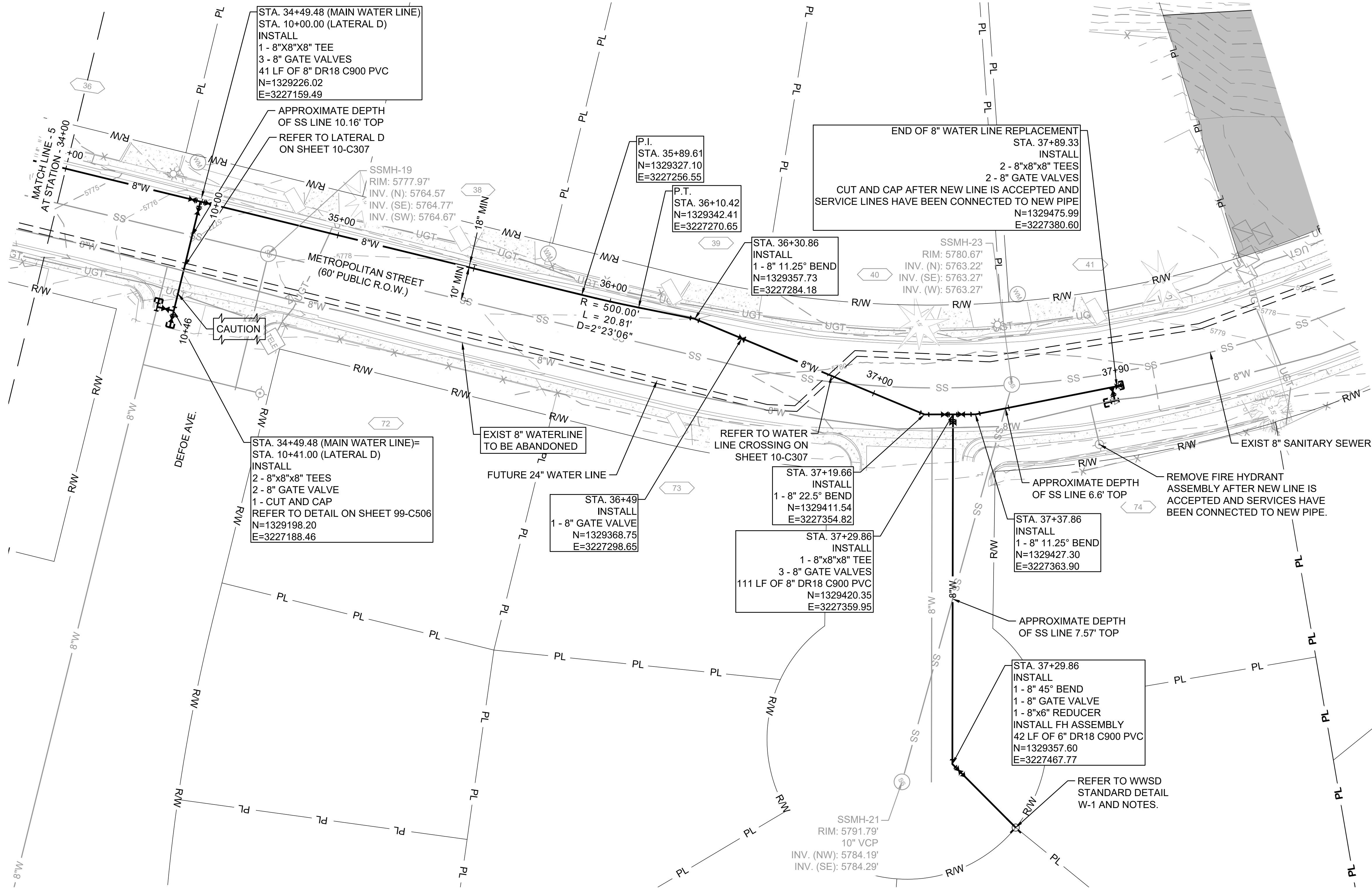
TOTAL NUMBER OF SERVICE CONNECTIONS= 6\*\* (SHORT)

\*\*TO BE FIELD VERIFIED

EPC 2/14/2023




File: I:\2021\21w23110 - wwsd uv2e cmar\Drawings\WWSD UM CMAP 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: AECmono.ctb Plot Date: 10/4/2022 4:32 PM Plotter used: None




#### GENERAL NOTES:

1. 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.
2. "LONG" WATER SERVICE LINES NEED TO BE AT 8.5' DEPTH AT ALL CROSSING WITH FUTURE 24", UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO RELOCATE ALL EXISTING WATER SERVICE LINES AND REPLACE FROM MAIN ("CORP") UP TO CURB STOP OR METER VALVE, RESTORING SERVICES, PER WWSD STANDARDS.
4. CONTRACTOR TO RESERVE ADEQUATE CLEARANCES AND UTILITIES SEPARATION FOR FUTURE 24" WATER LINE.
5. ANY DEVIATION FROM WWSD STANDARD AND DETAIL DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY OWNER AND ENGINEER PRIOR TO INSTALLATION.




© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.



10/05/2022

BY	DESCRIPTION	DATE	REV.



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

SERVICE CONNECTIONS:

TOTAL NUMBER OF SERVICE CONNECTIONS= 2\*\* (LONG)

TOTAL NUMBER OF SERVICE CONNECTIONS= 6\*\* (SHORT)

\*\*TO BE FIELD VERIFIED  
EPC 2/14/2023

BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

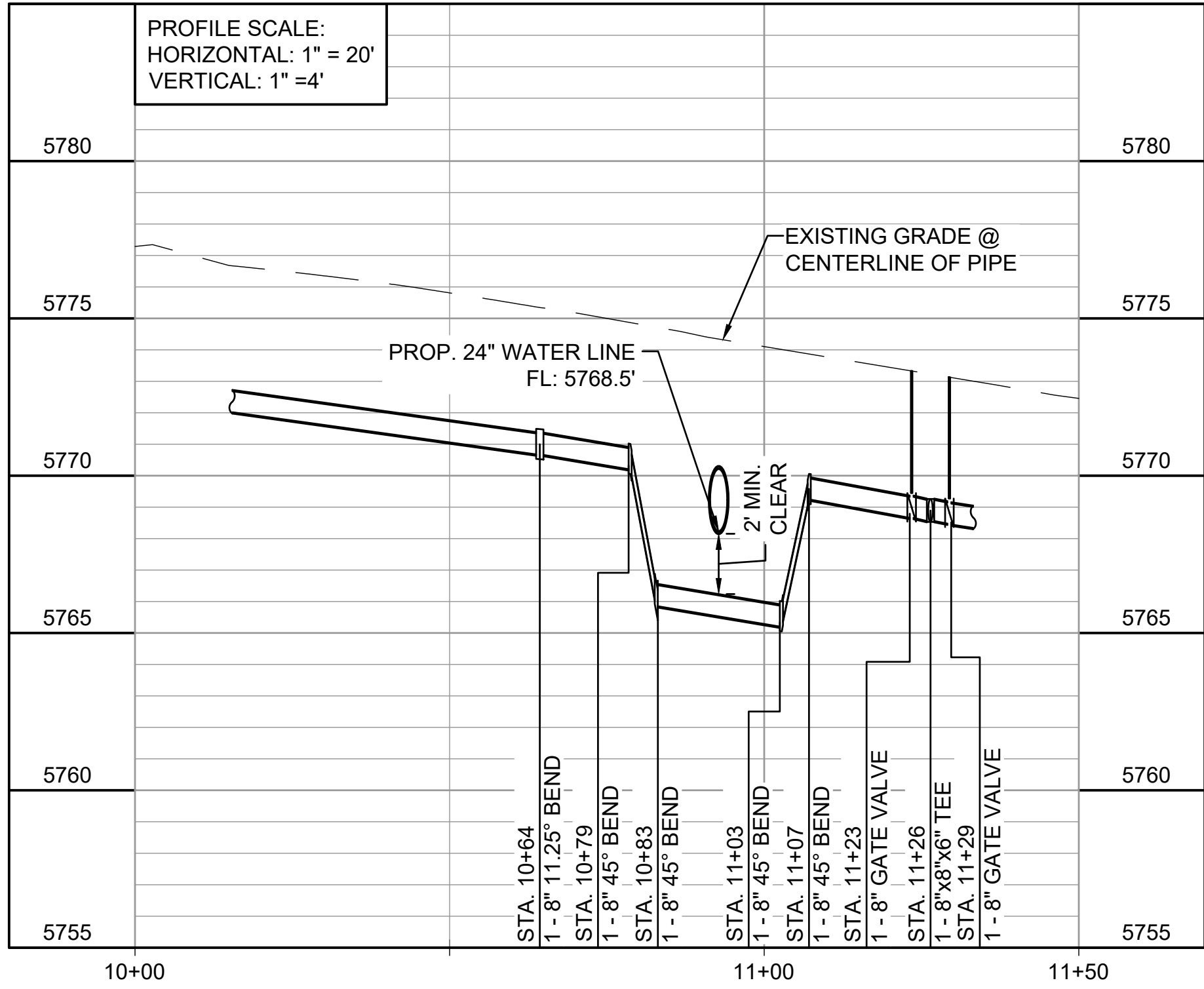
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**10-C305**

SHEET NUMBER  
**59**



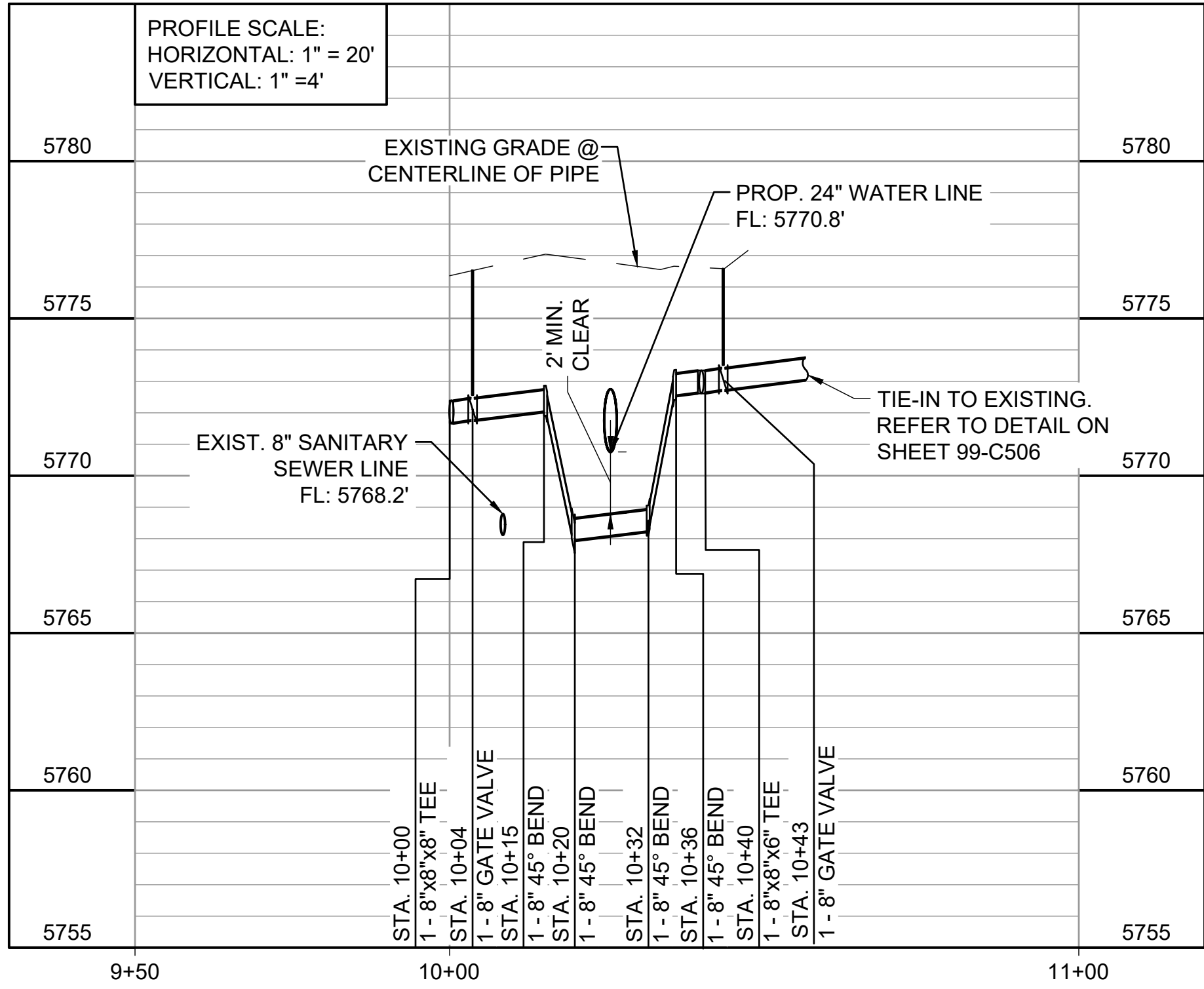
File: I:\2021\21w23110 - wwsd uv2e cmar\Drawings\WWSd UM CMAP - 05- C329 (8in PROF).dwg Last Save: 10/4/2022 4:36 PM Last saved by: UOPerez  
Last plotted by: Perez, Ulises O Plot Style: AECmono.ctb Plot Scale: 1:2.5849 Plot Date: 10/4/2022 4:37 PM Plotter used: None



1  
10-C301

WATER LINE CROSSING STA. 10+00 TO STA. 11+50

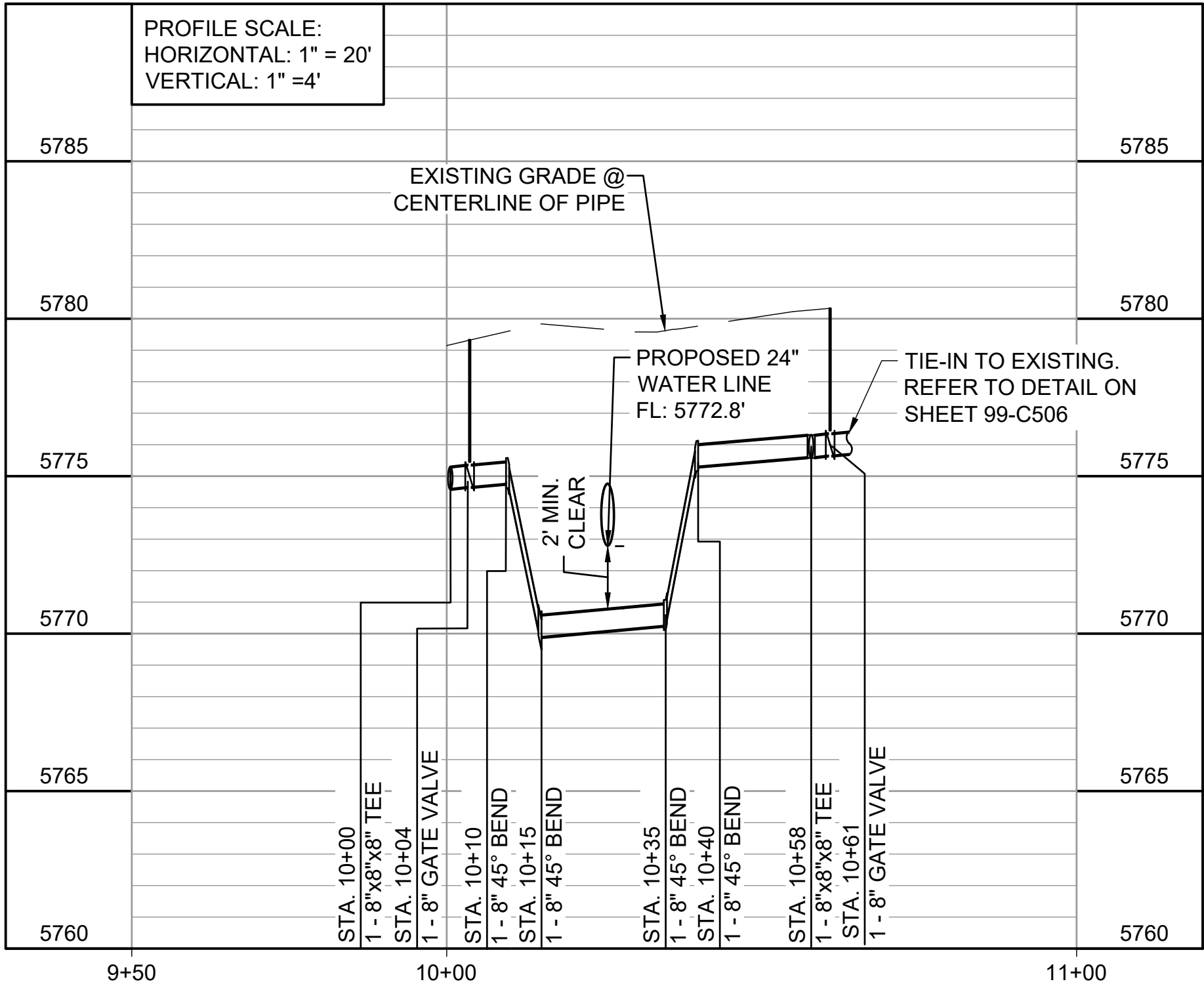
SCALE: 1" = 20'



3  
10-C303

LATERAL B (SNEAD ST.) STA. 9+50 TO STA. 11+00

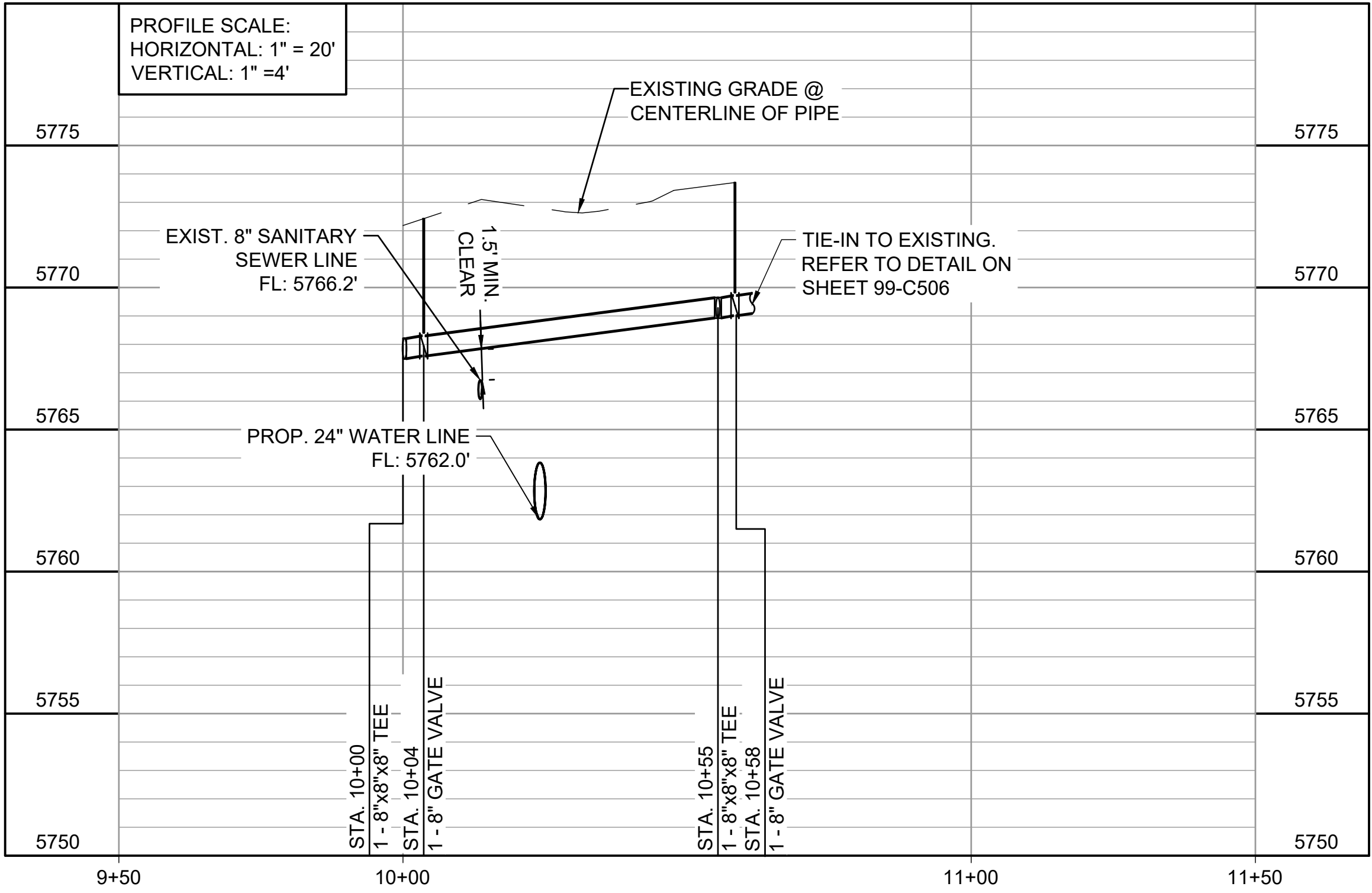
SCALE: 1" = 20'



2  
10-C303

LATERAL A (KIPLING ST.) STA. 9+50 TO STA. 11+00

SCALE: 1" = 20'




4  
10-C304

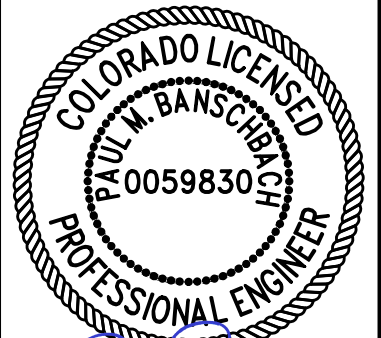
LATERAL C (ASHLAND PL.) STA. 9+50 TO STA. 11+50

SCALE: 1" = 20'

EPC 2/14/2023




© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION, OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



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

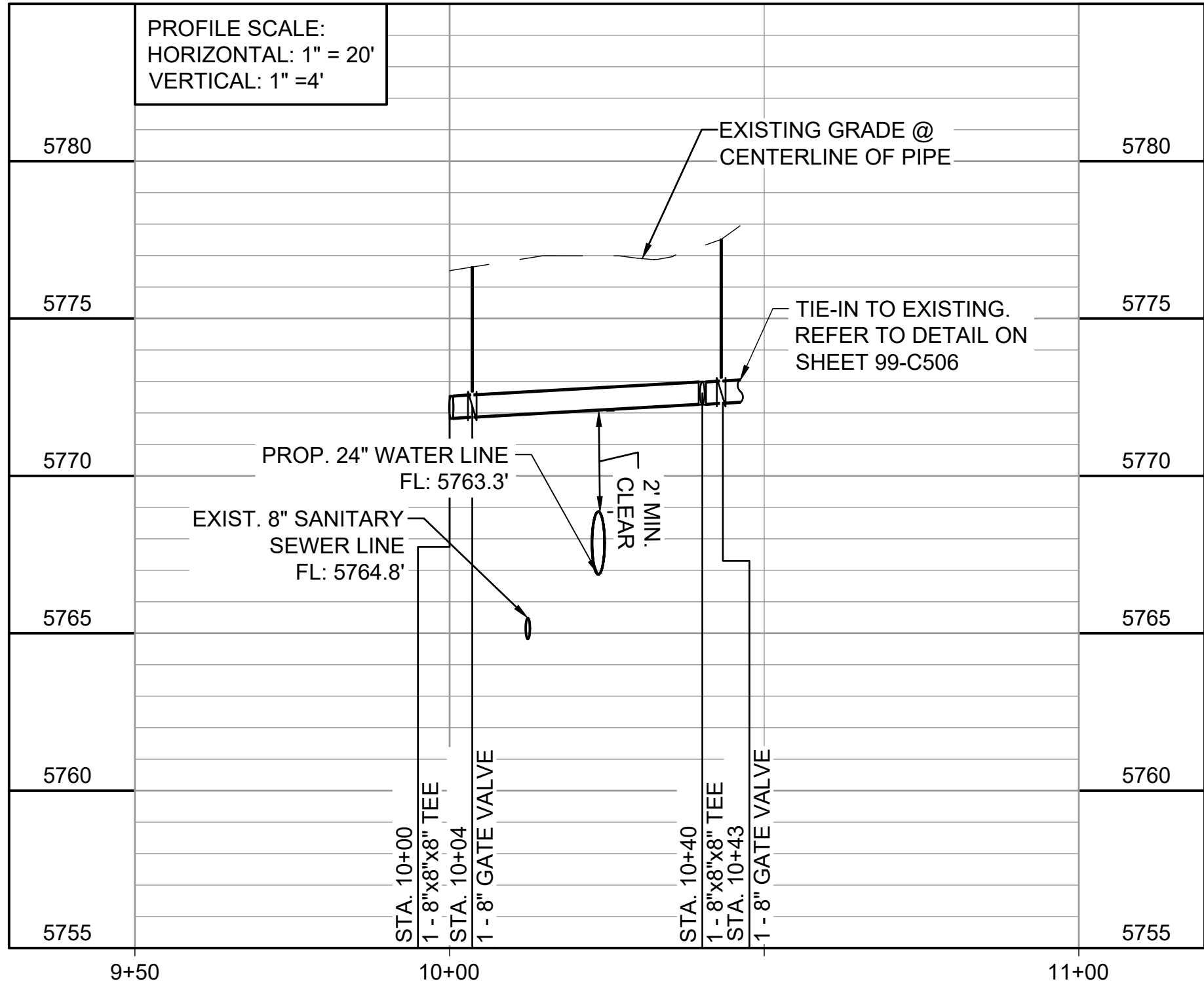
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET,  
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**10-C306**

SHEET  
NUMBER **60**



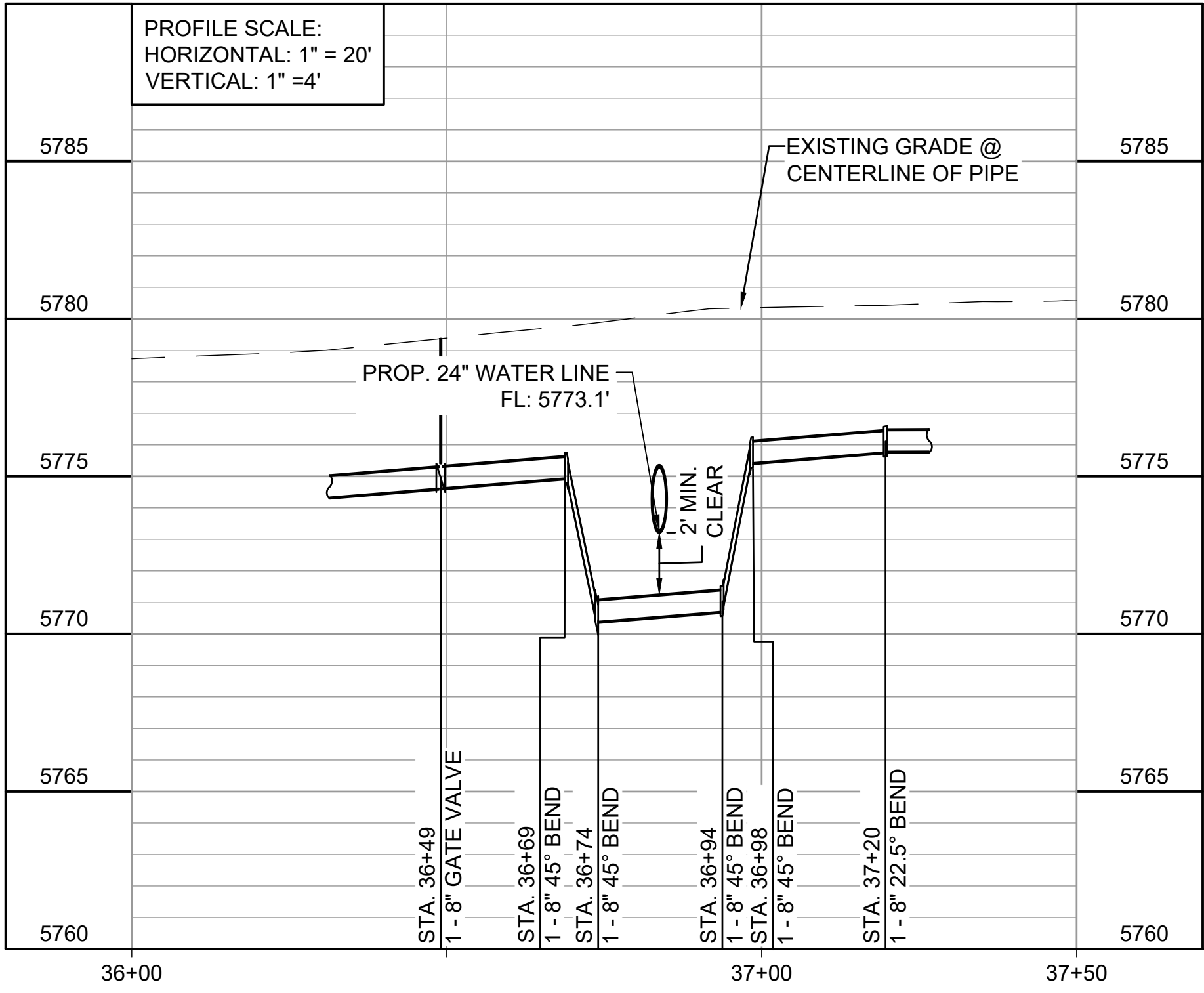
File: I:\2021\21w23110 - wwsd uv2e cmar\Drawings\WWSd UM CMAr - 05- C329 (8in PROF).dwg Last Save: 10/4/2022 4:07 PM Last saved by: UOPerez  
Last plotted by: Perez, Ulises O Plot Style: AECmono.ctb Plot Date: 10/4/2022 4:33 PM Plotter used: None



1  
10-C305

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


SCALE: 1" = 20'



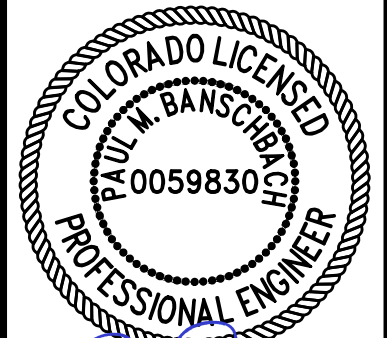
2  
10-C305

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

SCALE: 1" = 20'




© 2022 GARVER, LLC  
THIS DOCUMENT, ALONG WITH THE  
IDEAS AND DESIGNS CONVEYED  
HEREIN, SHALL BE CONSIDERED  
INSTRUMENTS OF PROFESSIONAL  
SERVICE AND ARE PROPERTY OF  
GARVER, LLC. ANY USE,  
REPRODUCTION OR DISTRIBUTION  
OF THIS DOCUMENT, ALONG WITH  
THE IDEAS AND DESIGN CONTAINED  
HEREIN, IS PROHIBITED UNLESS  
AUTHORIZED IN WRITING BY  
GARVER, LLC OR EXPLICITLY  
ALLOWED IN THE GOVERNING  
PROFESSIONAL SERVICES  
AGREEMENT FOR THIS WORK.



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 **61**