

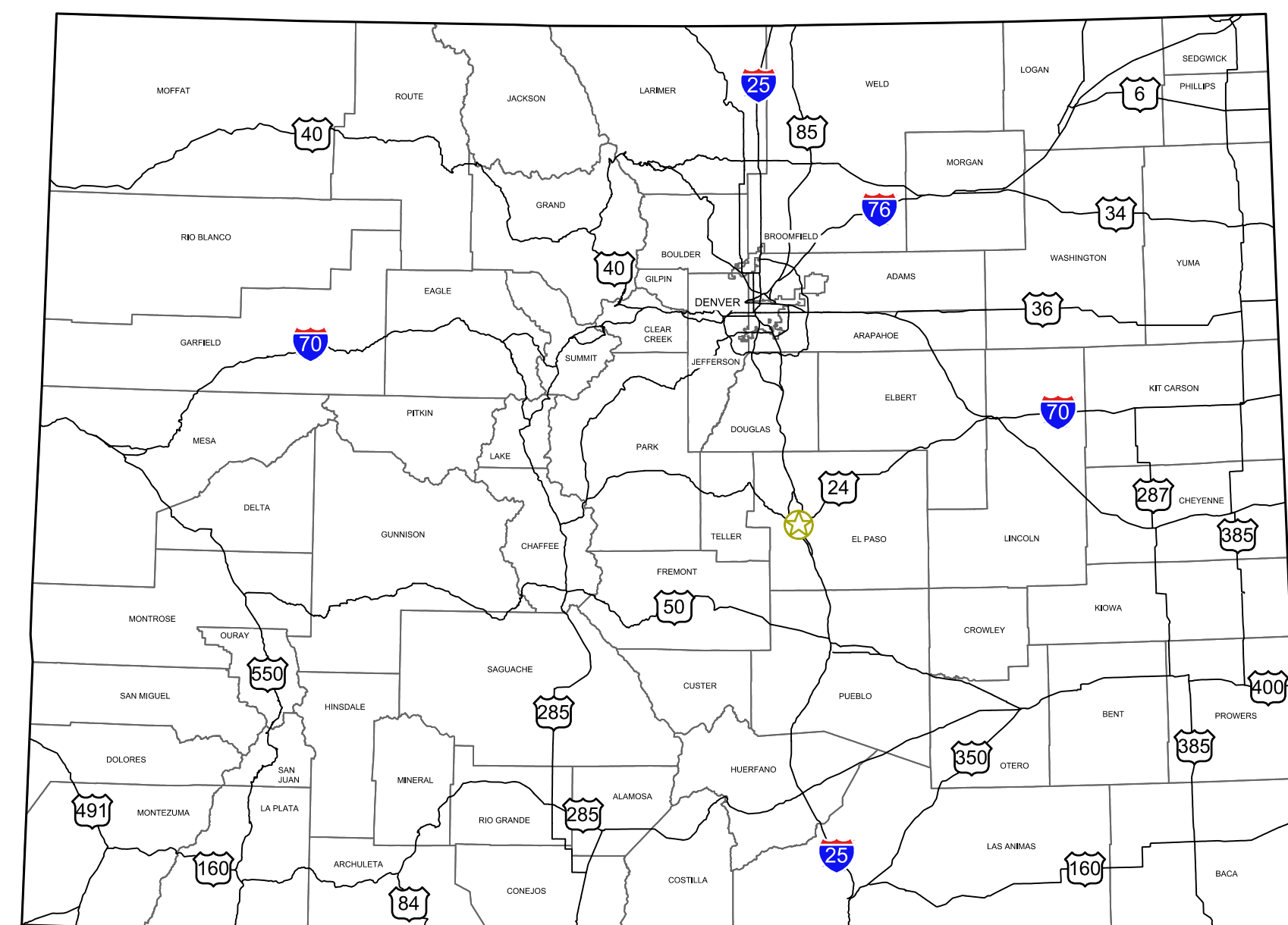
UPPER WEST TO EAST TRANSMISSION LINE AND 8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

Resolved - dsdpackman
01/18/2023 12:57:10 PM

Update title to include
"Construction
Drawings"

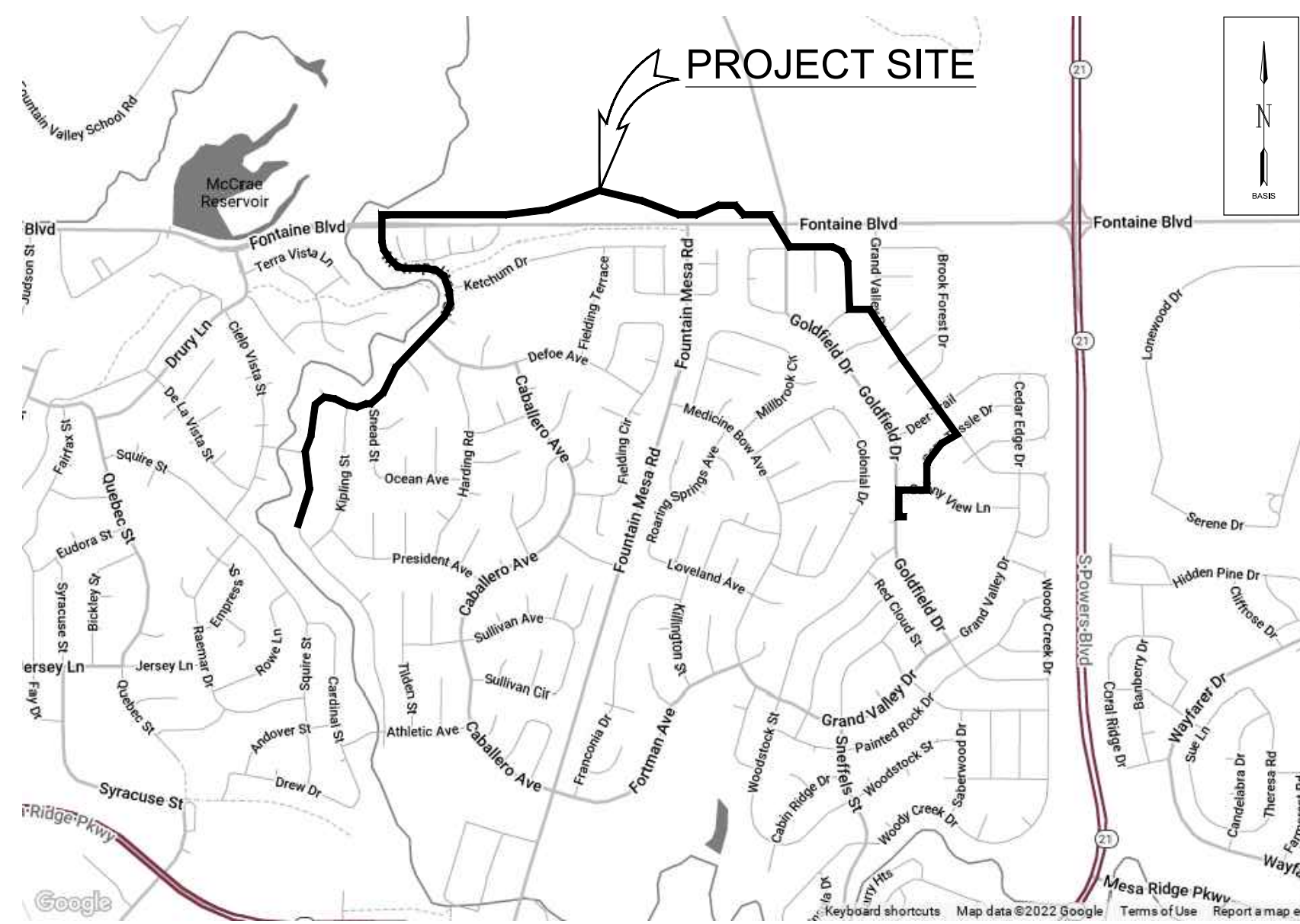
Please add to the signature blocks the following signature block:
the requirements of the grading and erosion control plan and all
of the requirements specified in these detailed plans and
specifications.

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



COLORADO

STATE MAP
NO SCALE



AREA
NO SCALE

SIGNATURE BLOCKS:

EL PASO COUNTY:

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

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

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

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

DISTRICT APPROVALS

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

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

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

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

APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL

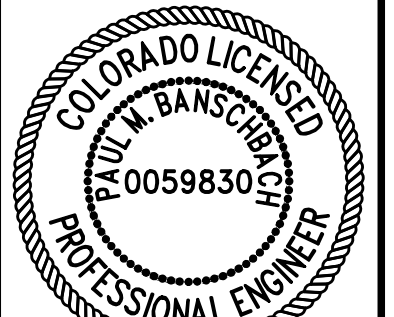
ENGINEER'S STATEMENT

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

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



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10/05/2022

REV.	DATE	DESCRIPTION	BY

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

COVER SHEET

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

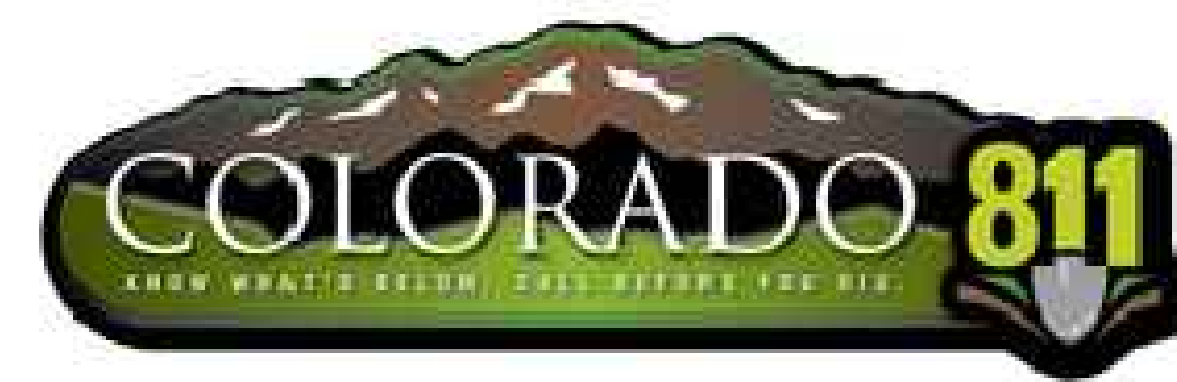
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DRAWING NUMBER
01-G001
SHEET
NUMBER **01**

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



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

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



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10/05/2022

REV.	DATE	DESCRIPTION	BY

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

SHEET INDEX


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

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

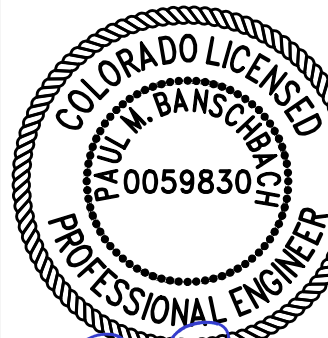
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01-G002
 SHEET NUMBER
02

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Last plotted by: Perez, Ulises O., Plot Style: AECmono.ctb, Plot Scale: 1:1, Plot Date: 10/4/2022 4:25 PM, Plotter used: DWG To PDF, p33

ABBREVIATIONS		ABBREVIATIONS		ABBREVIATIONS		LINETYPES (CONT'D)		SYMBOLS (CONT'D)		GENERAL CONVENTIONS	
ABBREV	DESCRIPTION	ABBREV	DESCRIPTION	ABBREV	DESCRIPTION	LINETYPE	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ABDN	ABANDON	LG	LONG	V	VOLT, VALVE	---	TOS	---	TOE OF SLOPE		1
AFF	ABOVE FINISHED FLOOR	LIN	LINEAL, LINEAR	VERT	VERTICAL	---	---	---	TREE LINE		01-G8001
APP	APPURTENANCE	LOC	LOCATION	VPI	VERTICAL POINT OF INTERSECTION	---	UGTV	---	UNDERGROUND CABLE TV		D33
APPROX	APPROXIMATE	LT	LEFT	VT	VENTILATOR	---	UGT	---	UNDERGROUND TELECOM		040
ARV	AIR RELEASE VALVE	MANUF	MANUFACTURER	W	WATER, WEST, WIDTH	---	UGE	---	UNDERGROUND ELECTRIC		1
ASPH	ASPHALT	MAX	MAXIMUM	W/O	WITHOUT	---	UGT(FO)	---	UNDERGROUND FIBER OPTIC TELECOM		TELE
ASSY	ASSEMBLY	MGD	MILLION GALLONS PER DAY	WL	WATER LINE	---	---	---	WATER EDGE		TELE MH
AVE	AVENUE	MH	MANHOLE	WS	WATERSTOP	---	W	---	WATER LINE		TELE PD
BC	BACK OF CURB	MIN	MINIMUM	WTM	WATER TRANSMISSION MAIN	---	W	---	EXISTING WATER LINE		CABLE
BLDG	BUILDING	MISC	MISCELLANEOUS	WWF	WELDED WIRE FABRIC	---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
BLK	BLOCK	MJ	MECHANICAL JOINT	X	BY	---	W	---	EXISTING TRANSMISSION MAIN		TRAFFIC CONTROL BOX
BLVD	BOULEVARD	N	NORTH			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
BM	BENCHMARK	NE	NORTHEAST			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
BOT	BOTTOM	NPW	NON-POTABLE WATER			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
BOTOC	BY OTHER THAN OPEN CUT	NW	NORTHWEST			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
BOP	BOTTOM OF PIPE	NIC	NOT IN CONTRACT			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
BOV	BLOW-OFF VALVE	NO.#	NUMBER			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
BV	BUTTERFLY VALVE	NTS	NOT TO SCALE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CAV	COMBINATION AIR AND VACUUM	NWLS	NORMAL WATER SURFACE LEVEL			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CDPHE	COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT	OC	ON CENTER			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CI	CAST IRON	OD	OUTSIDE DIAMETER			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CIP	CAST IRON PIPE	OVF	OVERFLOW			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CJ	CONSTRUCTION JOINT	PC	POINT OF CURVE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CL	CENTERLINE, CLASS	PD	PROCESS DRAIN			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CO	COMPANY	PE	PLAIN END			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CONC	CONCRETE	PI	POINT OF INTERSECTION			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CONN	CONNECTION	PL, PLS	PLATE, PLACES			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CONT	CONTINUOUS	PO	PUSH ON			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CP	CONTROL POINT	PP	POWER POLE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
CPI	COMBINATION POINT OF INTERSECTION	PROP	PROPOSED			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
DI	DUCTILE IRON	PRC	POINT OF REVERSE CURVE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
DISTRICT	DISTRICT	PSI	POUNDS PER SQUARE INCH			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
DIA	DIAMETER	PT	POINT OF TANGENT			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
DIP	DUCTILE IRON PIPE	PVC	POLYVINYL CHLORIDE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
E	EAST	R, RAD	RADIUS			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
EA	EACH	RCP	REINFORCED CONCRETE PIPE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
EL, ELEV	ELEVATION	RD	ROAD			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
ELEC	ELECTRICAL	RED	REDUCER			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
EOP	EDGE OF PAVEMENT	REINF	REINFORCEMENT			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
EPC	EL PASO COUNTY	REQD	REQUIRED			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
ESMT	EASEMENT	RJ	RESTRAINED JOINT			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
EQ	EQUAL	ROW, R/W	RIGHT-OF-WAY			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
EX, EXIST	EXISTING	RP	RADIUS POINT			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
EXP	EXPANSION	RS	RESILIENT SEAT			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FCJ	FLOOR CONSTRUCTION JOINT	RT	RIGHT			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FES	FLARED END SECTION	RW	RAW WATER LINE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FFE	FINISHED FLOOR ELEVATION	S	SOUTH, SLUDGE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FH	FIRE HYDRANT	SCH	SCHEDULE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FG	FINISH GRADE	SD	STORM DRAIN			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FL	FLOWLINE	SDMH	STORM DRAIN MANHOLE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FLG	FLANGED	SE	SOUTHEAST			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FRP	FIBERGLASS REINFORCED PIPE	SECT	SECTION			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FT	FEET, FOOT	SF, SQ FT	SQUARE FEET			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
FTG	FOOTING	SHT	SHEET			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
G	GUTTER	SPEC	SPECIFICATIONS			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
GEO	GEOTECHNICAL	SQ	SQUARE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
GL	GAS LINE	SS	SANITARY SEWER			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
GR	GRADE	ST	STREET			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
GV	GATE VALVE	STA	STATION			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
HDWL	HEADWALL	STD	STANDARD			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
HORIZ	HORIZONTAL	SW	SIDEWALK, SOUTHWEST			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
HPI	HORIZONTAL POINT OF INTERSECTION	SY	SQUARE YARDS			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
HWY	HIGHWAY	T&B	TOP AND BOTTOM			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
ID	INSIDE DIAMETER	TBM	TEMPORARY BENCHMARK			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
IN	INCHES	TC	TIME CLOCK, TOP OF CURB			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
INF	INFLUENT	TEMP	TEMPORARY, TEMPERED			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
INV	INVERT	THK	THICKNESS			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
JT	JOINT	TOC	TOP OF CURB			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
LEN	LENGTH	TS	TOP OF SIDEWALK			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
LF	LINEAR FEET	TYP	TYPICAL			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
		UL	UTILITY			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER
		UNO	UNLESS NOTED OTHERWISE			---	W	---	EXISTING TRANSMISSION MAIN		TRANSFORMER



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10/05/2022

BY									
DESCRIPTION									
DATE									
REV.									

WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

ABBREVIATIONS AND LEGEND

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

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

DRAWING NUMBER
01-G003

SHEET NUMBER
03

GENERAL CIVIL NOTES

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

PAVING AND GRADING NOTES

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

PIPING NOTES

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

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

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

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

Add the following EPC Construction Notes:

"Standard Notes for El Paso County Construction Plans

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

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

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

El Paso County Engineering Criteria Manual (ECM)

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

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

CDOT M & S Standards

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

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

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

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

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

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

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

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

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

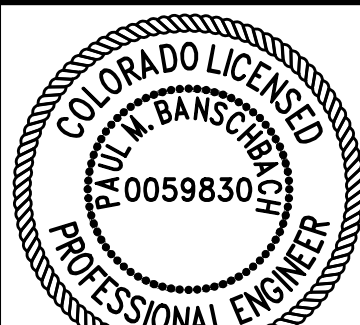
Signing and striping shall comply with El Paso County DOT and MUTCD criteria. [If applicable, additional signing and striping notes will be provided.]

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

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



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10/05/2022

REV.	DATE	DESCRIPTION	BY



WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO

UPPER WEST TO EAST TRANSMISSION LINE

GENERAL NOTES

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

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

DRAWING NUMBER
01-G004

SHEET NUMBER
04

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)

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10/05/2022

REV.	DATE	DESCRIPTION	BY



TABULATION OF PROPERTIES

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

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

DRAWING NUMBER
05-C327
SHEET NUMBER
05

TABULATION OF PROPERTIES

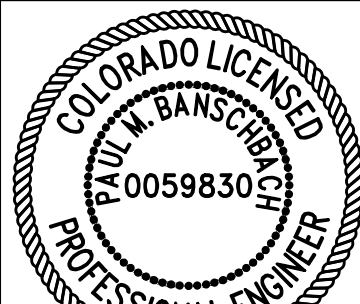
PAR CEL NO.	OWNER(S)	PROPERTY ADDRESS*	LEGAL DESCRIPTION /RECEPTION NO.
93	EL PASO COUNTY	FOUNTAIN BLVD	TRACT B (R6) DEDICATED TO PUBLIC R.O.W.
94	EL PASO COUNTY	FOUNTAIN BLVD	TRACT B (R6) DEDICATED TO PUBLIC R.O.W.
95	AASHKH PROPERTIES LLC	6525 FOUNTAIN MESA RD	N160' W185' TRACT A (R7) REC. NO. 217082806
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 / VICENTA C	7535 DEER TRL	LOT 29, BLOCK 6 (R7)
161	HERNANDEZ JESSICA	7530 COAL CREEK CIR	LOT 23, BLOCK 6 (R7)
162	ALVARDO MARK A JR / RUACHO MICAELA M	7495 DOVE CREEK CIR	LOT 22, BLOCK 6 (R7)
163	SCOTT RANDOLPH / ALMA D	7490 DOVE CREEK CIR	LOT 16, BLOCK 6 (R7)
164	BREON DENNIS W / BRENDA J	7455 VINELAND TR	LOT 15, BLOCK 6 (R7)
165	ELLSWORTH BENJAMIN / MIRANDA	7450 VINELAND TR	LOT 6, BLOCK 5 (R7)
166	GRAY MICHAEL J	7425 BUFFALO CREEK TRL	LOT 5, BLOCK 5 (R7)
167	GALLEGOS HOPE / MARTINEZ ERIC	7415 BUFFALO CREEK TRL	LOT 4, BLOCK 5 (R7)
168	COLE BRIAN / PABILONIA-COLE RENEE	7395 BUFFALO CREEK TRL	LOT 3, BLOCK 5 (R7)
169	WEBB DARREL D / BOBBIE J	7390 BUFFALO CREEK TRL	LOT 12, BLOCK 3 (R7)
170	LAMPTON RODGER / LISA	7441 RIVER BEND RD	LOT 13, BLOCK 3 (R7)
171	WEIDRICK MONICA L	7437 RIVER BEND RD	LOT 14 BLOCK 3 (R7)
172	AROS JAY DAREL	7433 RIVER BEND RD	LOT 15, BLOCK 3 (R7)
173	MITCHELL EDWARD	7429 RIVER BEND RD	LOT 16, BLOCK 3 (R7)
174	CROSBY LLOYD J / CAROLE F	7421 RIVER BEND RD	LOT 17, BLOCK 3 (R7)
175	MONINGER SCOTT	7365 RIVER BEND RD	LOT 18, BLOCK 3 (R7)
176	BOSSO RYAN M	6555 WHITE WATER LN	LOT 19, BLOCK 3 (R7)
177	BROWN WANDA E	6550 WHITE WATER LN	LOT 31, BLOCK 3 (R7)
178	CONNOLLY MICHAEL J / MARY S	6545 GOLDFIELD DR	LOT 1, BLOCK 3 (R7)
179	TRIPP RICHARD / CORA	6540 GOLDFIELD DR	LOT 10, BLOCK 2 (R7)
180	FOUNTAIN VALLEY SCHOOL	5311-6316 FOUNTAIN VALLEY SCHOOL RD	BOOK 834, PAGE 509
181	CITY OF COLORADO SPRINGS C/O PARK & RECREATION DEPT	S POWERS BLVD	REC. NO. 200150355



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10/05/2022

REV.	DATE	DESCRIPTION	BY

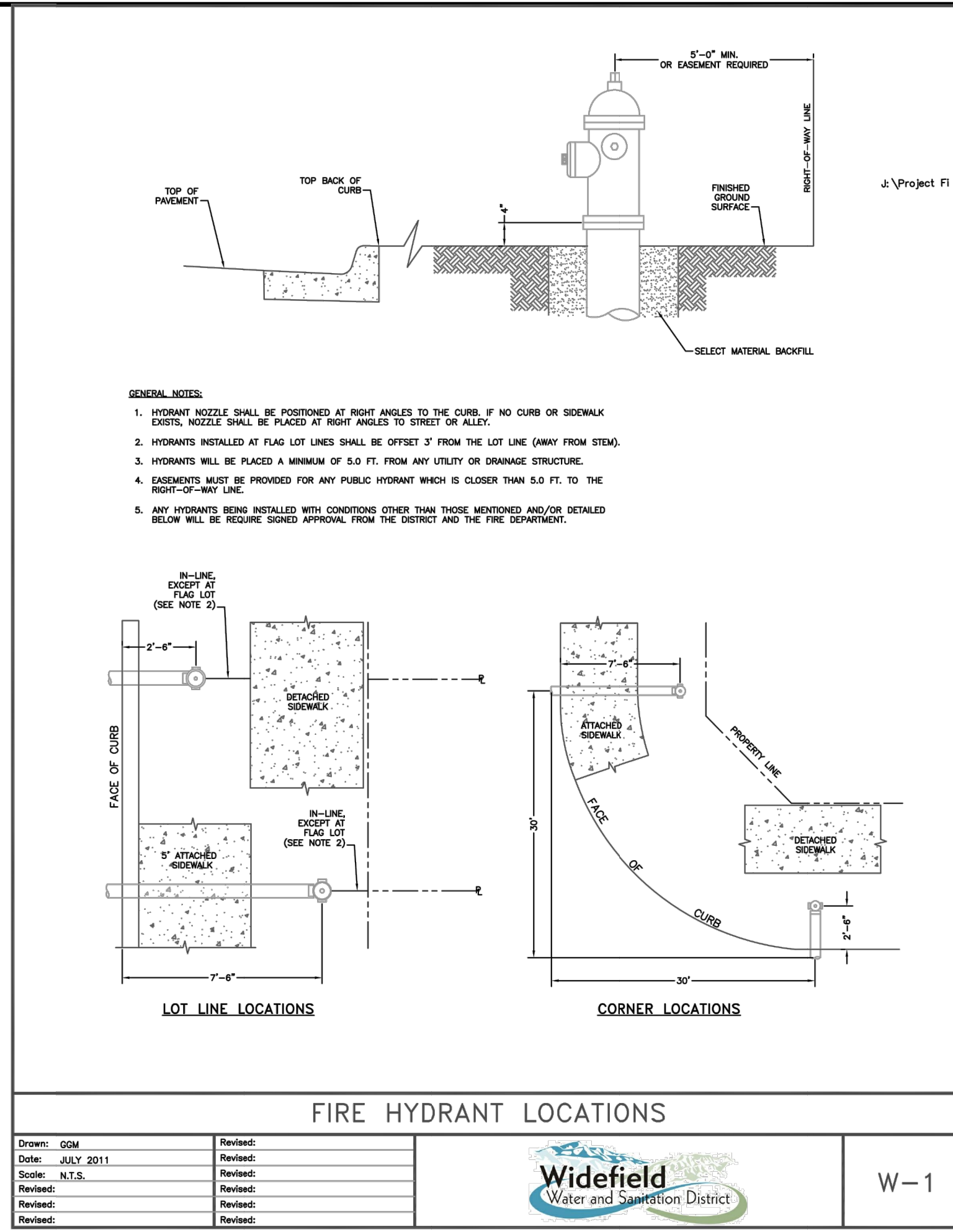
WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

TABULATION OF PROPERTIES

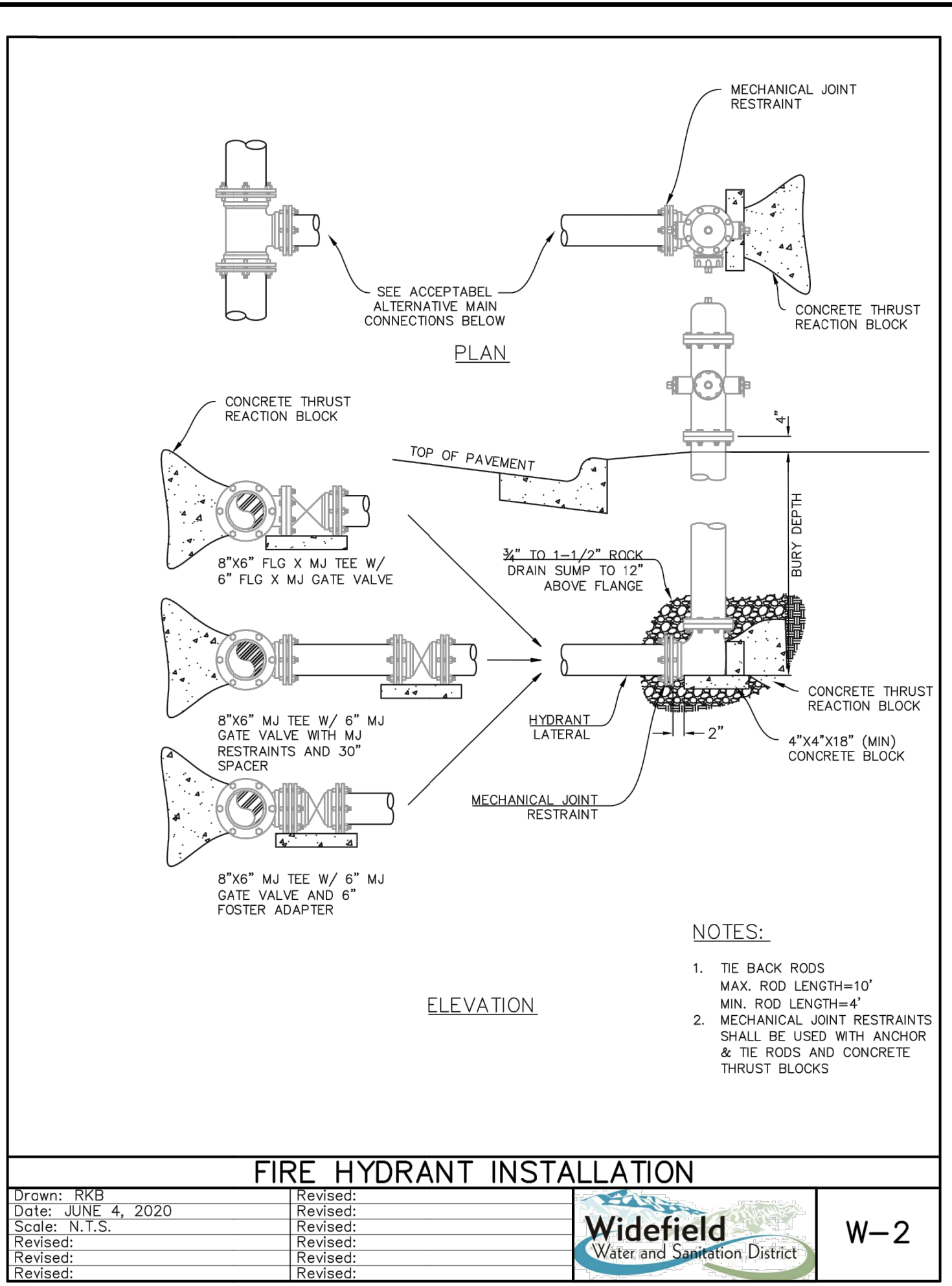
JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/FJC

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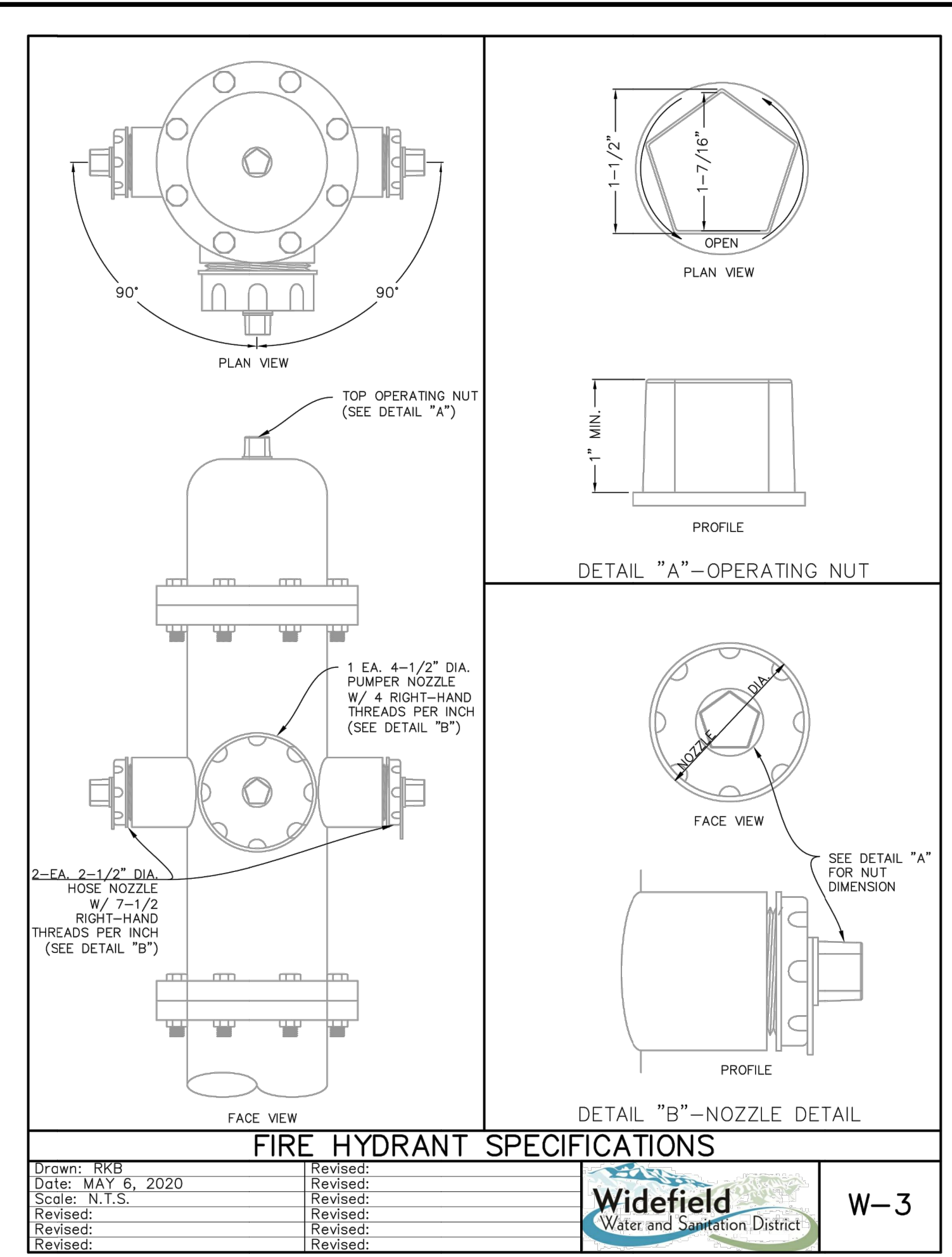
DRAWING NUMBER
05-C328
SHEET NUMBER
06



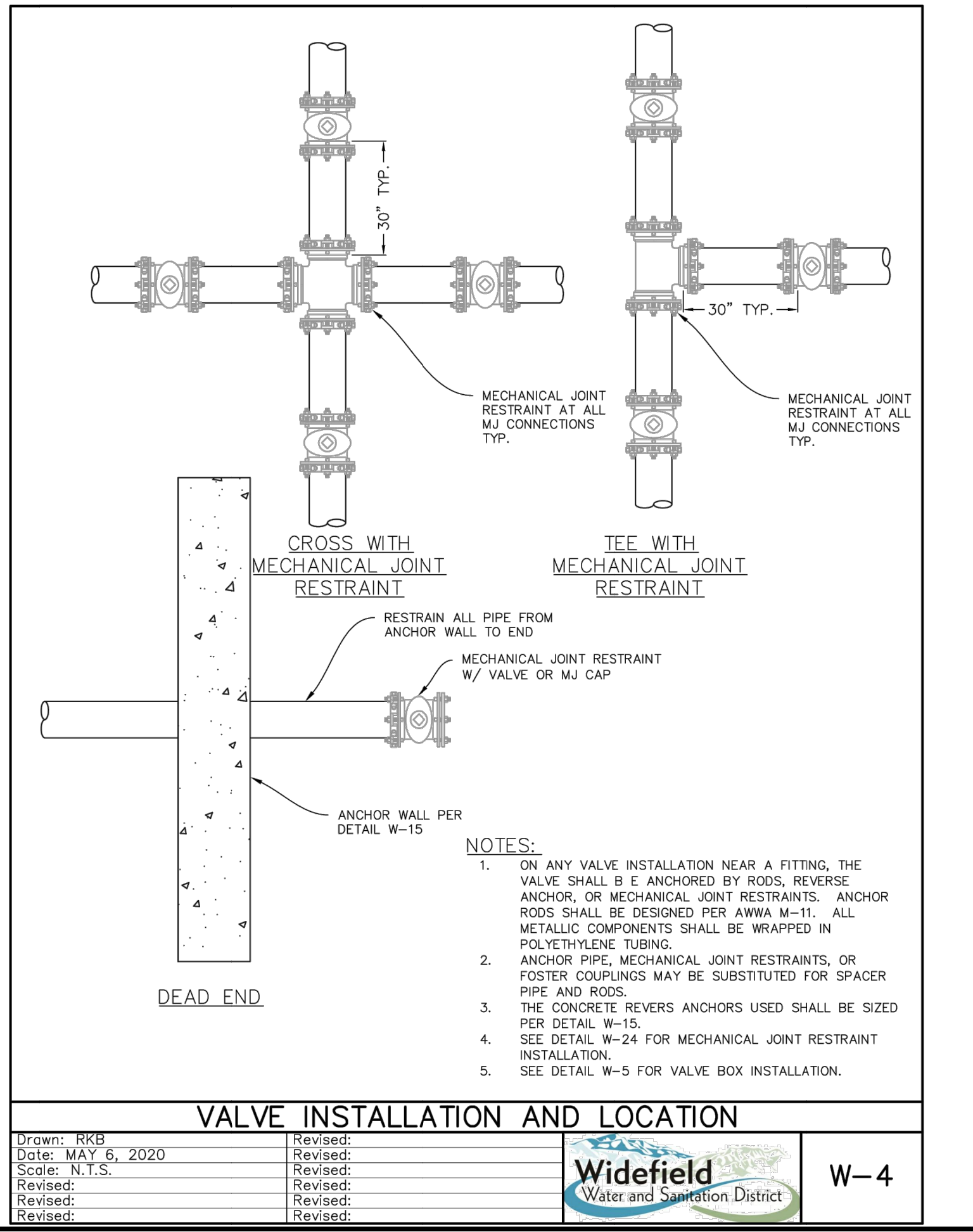
Drawn: GGM	Revised:		W-1
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



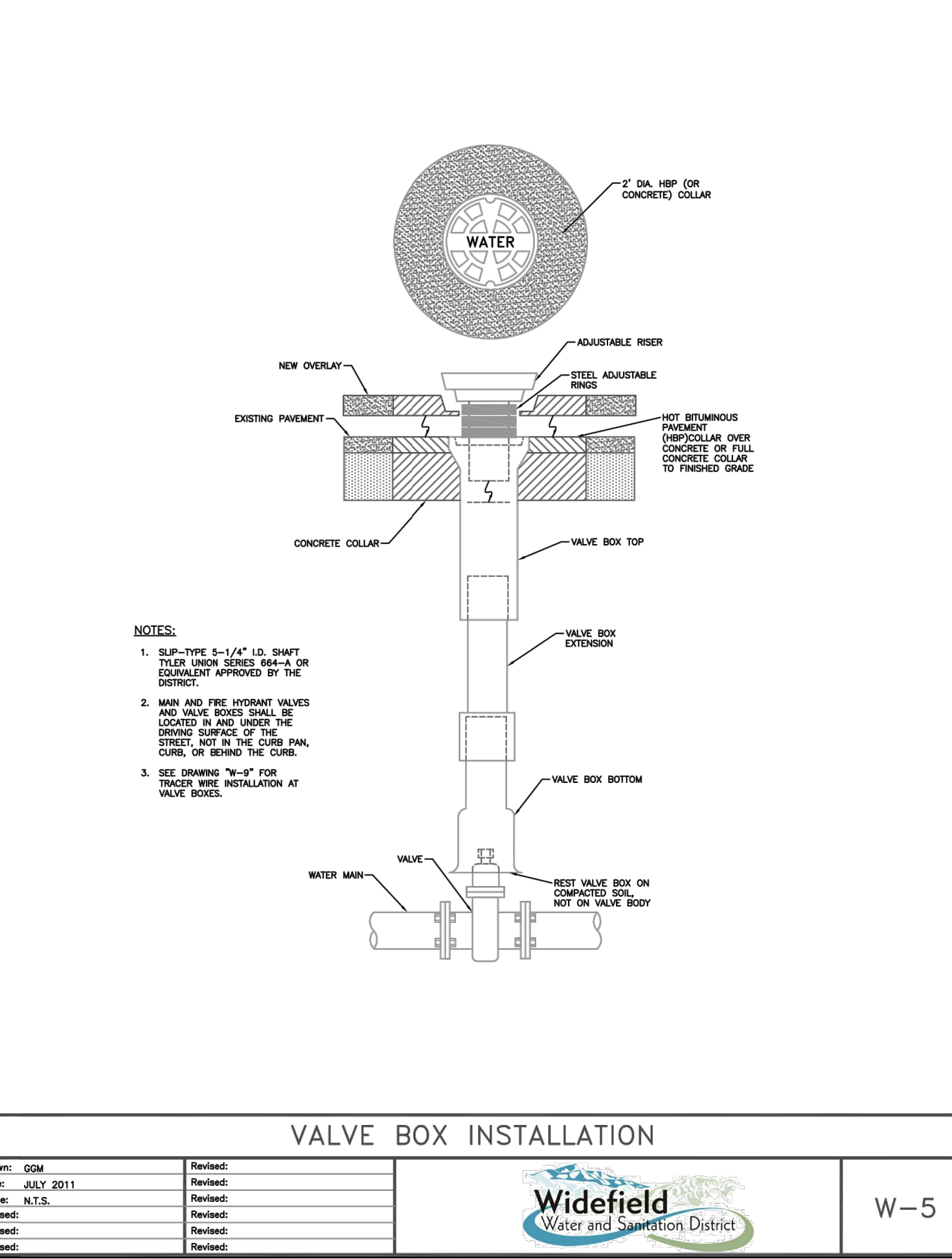
Drawn: RKB	Revised:		W-2
Date: JUNE 4, 2020	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



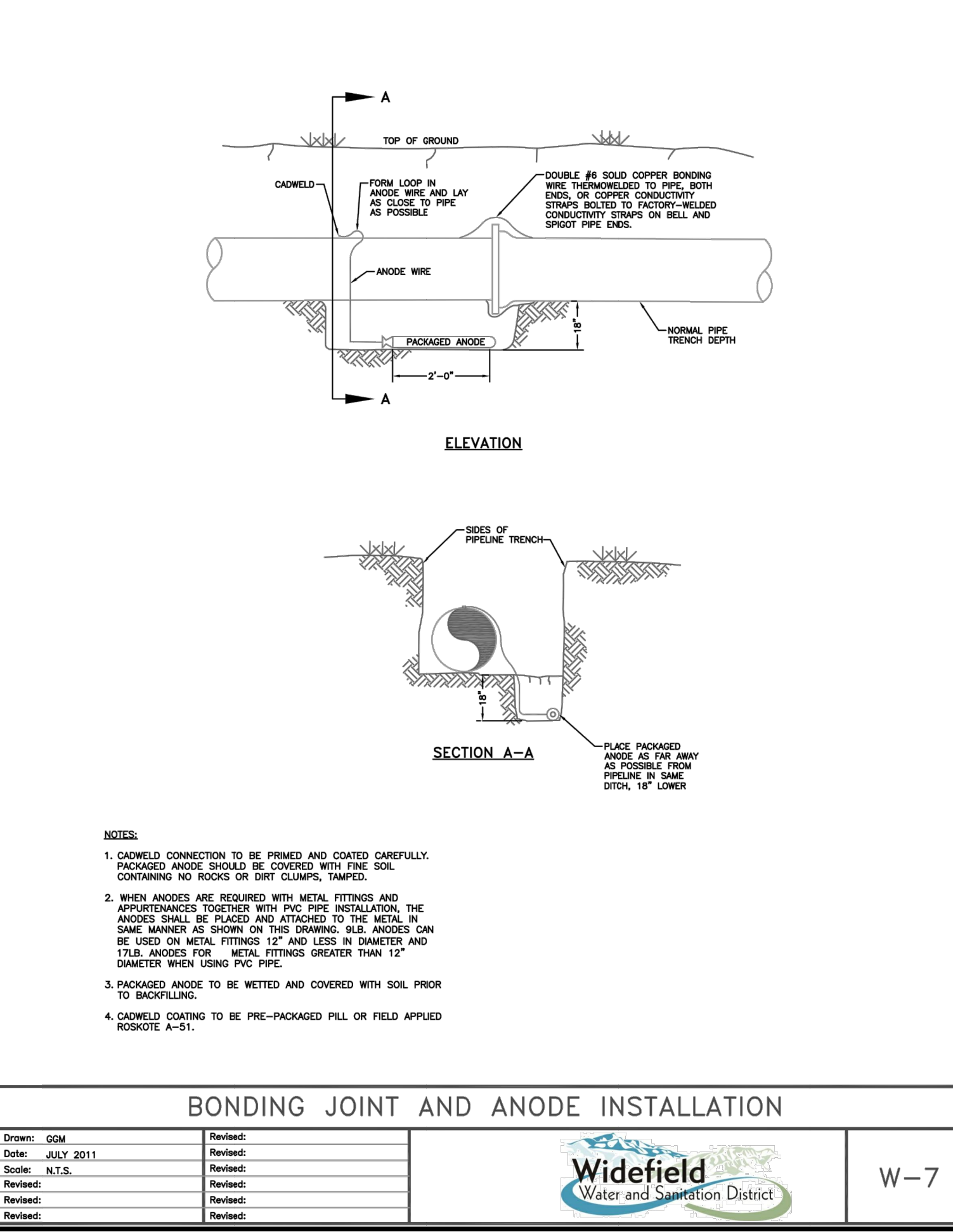
Drawn: RKB	Revised:		W-3
Date: MAY 6, 2020	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



Drawn: RKB	Revised:		W-4
Date: MAY 6, 2020	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



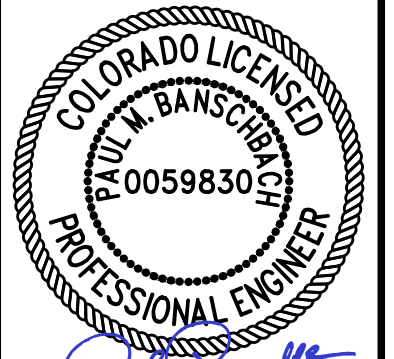
Drawn: GGM	Revised:		W-5
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



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



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10/05/2022

REV.	DATE	DESCRIPTION	BY

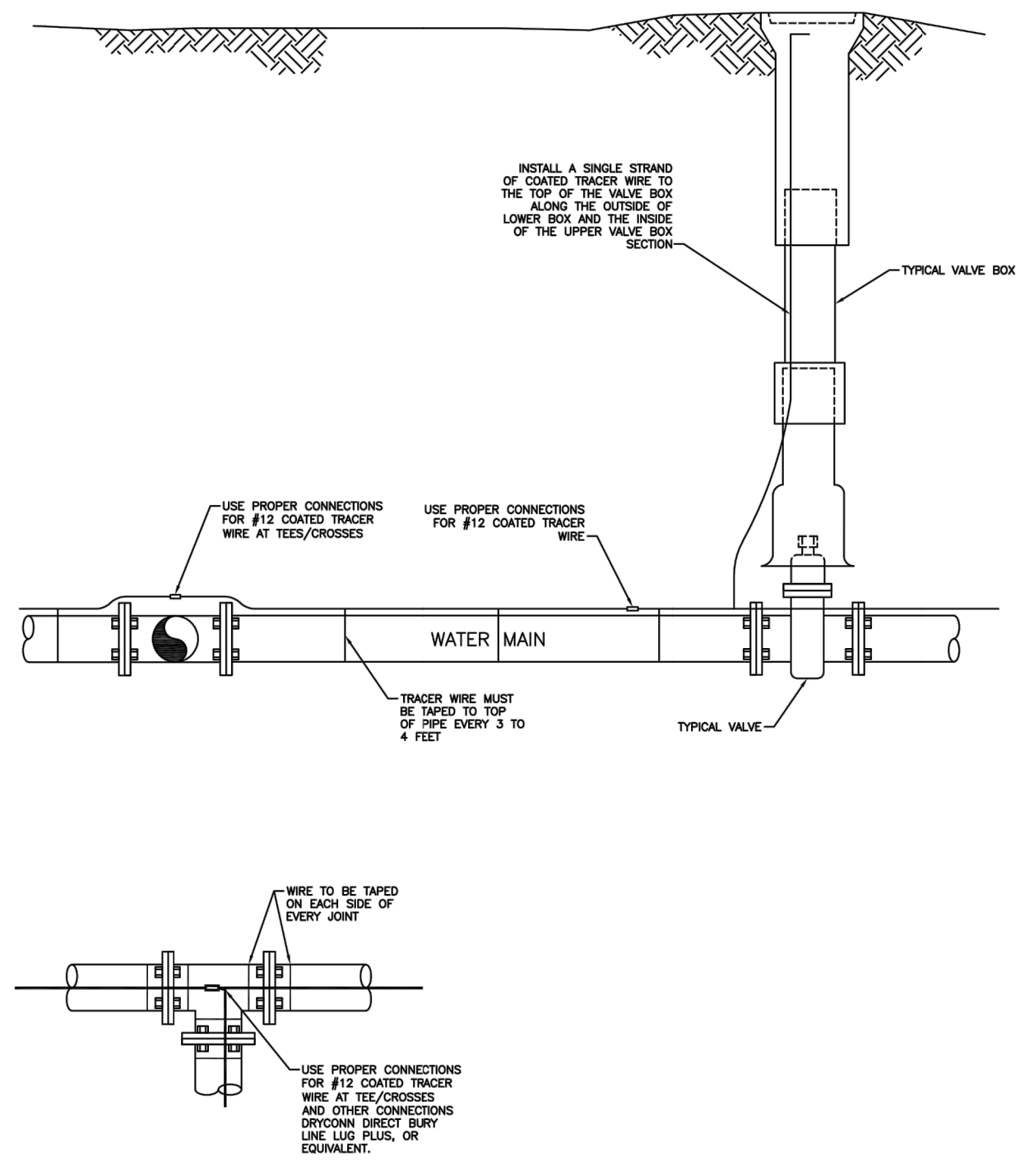
WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO
UPPER WEST TO EAST TRANSMISSION LINE

STANDARD DETAILS 1

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

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99-C500
SHEET NUMBER
40

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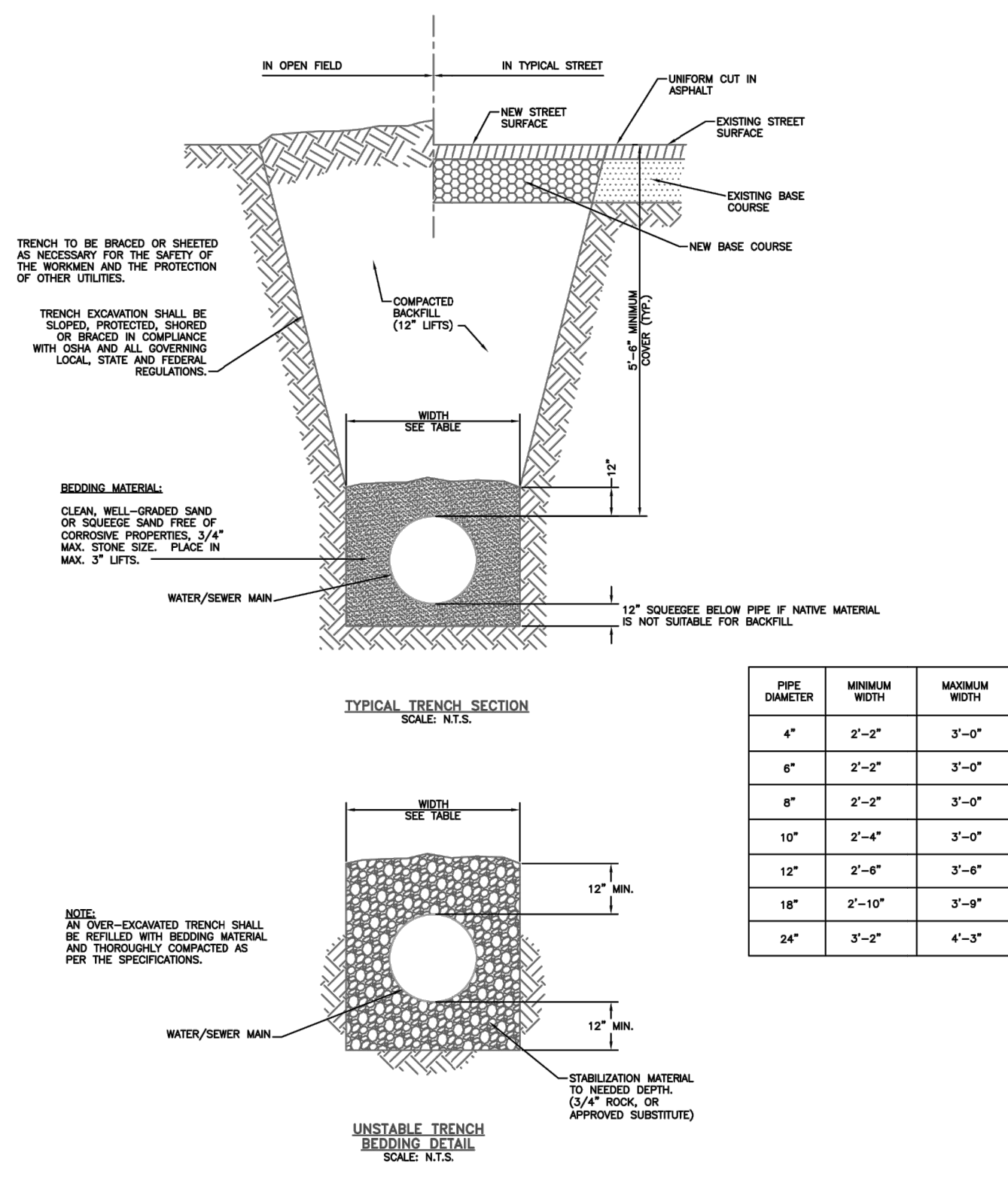
TRACER WIRE INSTALLATION DETAILS

Drawn: GDM
Date: SEPT 2014
Scale: N.T.S.

Revised: _____
Revised: _____
Revised: _____

Widefield
Water and Sanitation District

W-9



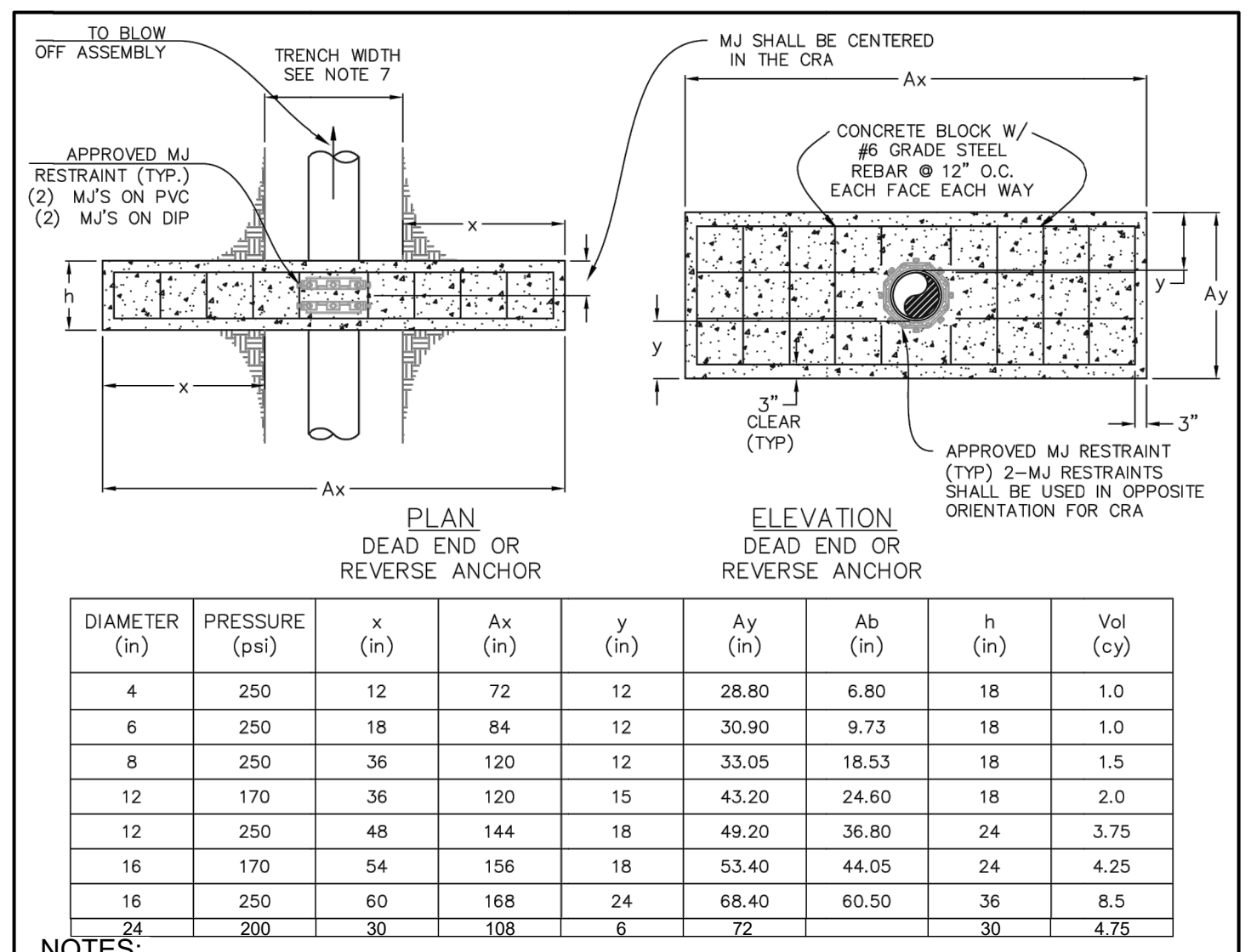
TYPICAL TRENCH CROSS SECTION

Drawn: GDM
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Scale: N.T.S.

Revised: _____
Revised: _____
Revised: _____

Widefield
Water and Sanitation District

W-12



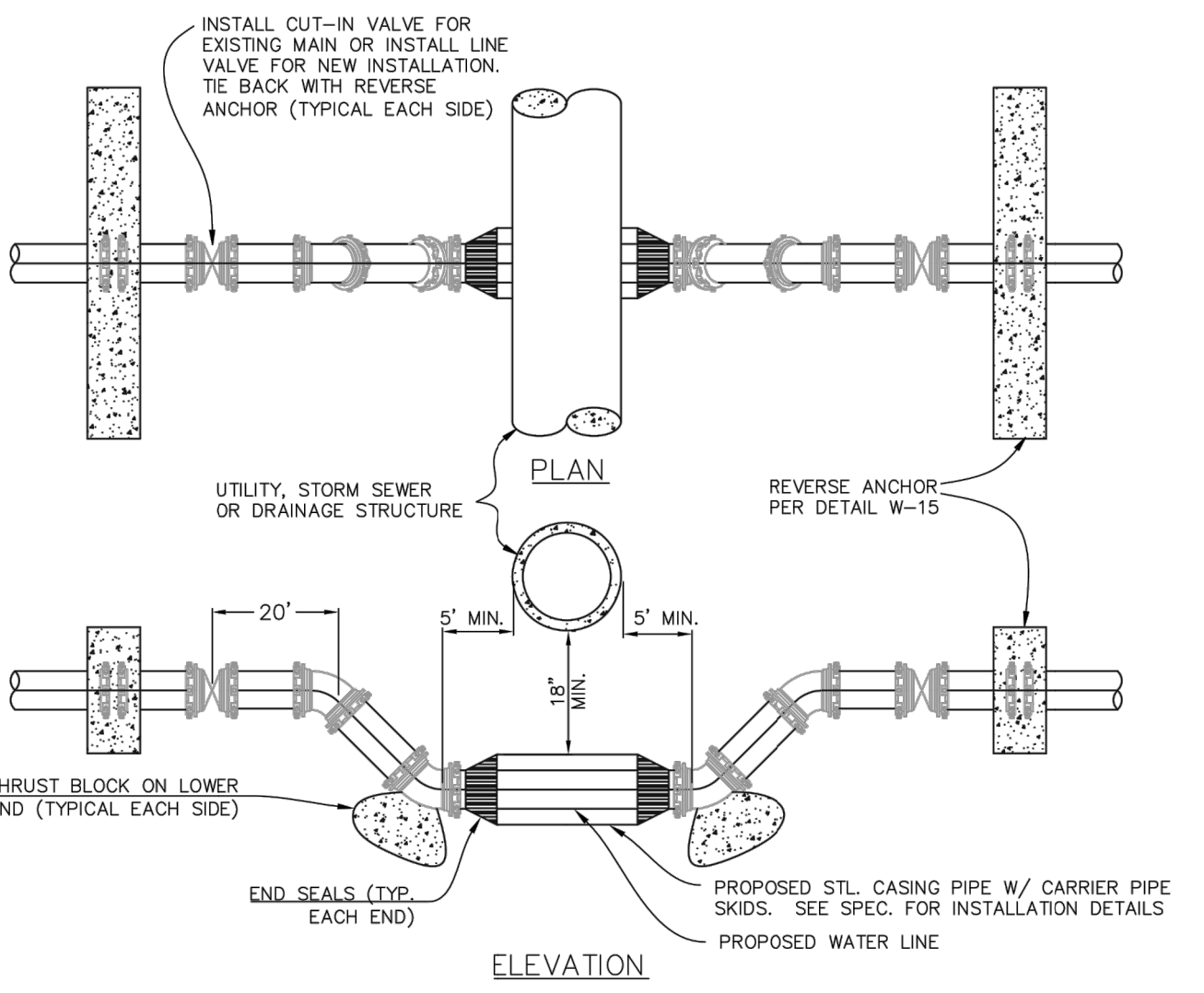
CONCRETE REVERSE ANCHOR

Drawn: RKB
Date: JUNE 4, 2020
Scale: N.T.S.

Revised: _____
Revised: _____
Revised: _____

Widefield
Water and Sanitation District

W-15



- 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/ENCASMENT 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.

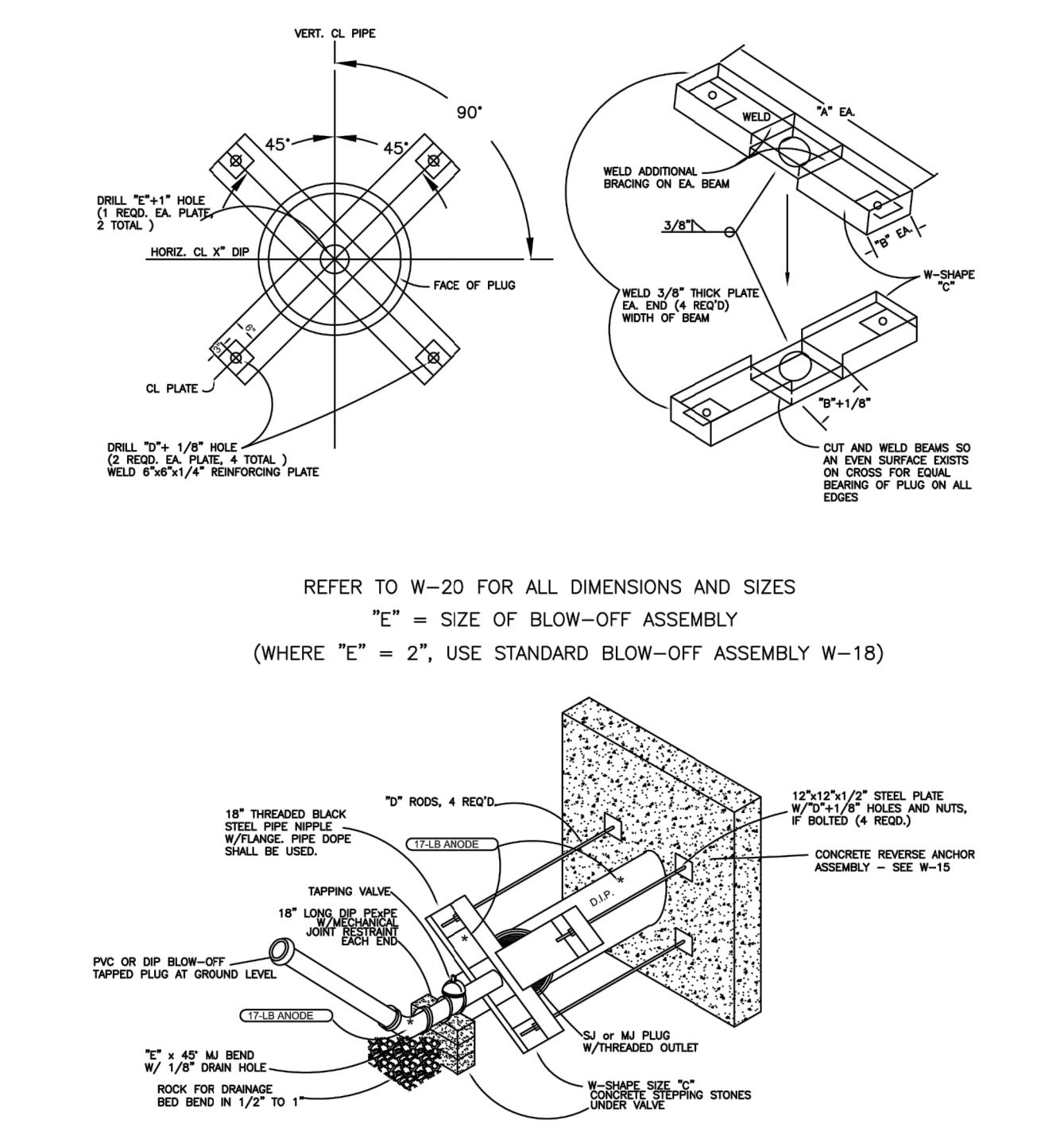
WATER LINE LOWERING DETAIL

Drawn: RKB
Date: JUNE 4, 2020
Scale: N.T.S.

Revised: _____
Revised: _____
Revised: _____

Widefield
Water and Sanitation District

W-16



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

Drawn: GDM
Date: JULY 2011
Scale: N.T.S.

Revised: _____
Revised: _____
Revised: _____

Widefield
Water and Sanitation District

W-19

BLOW-OFF ASSEMBLY DIMENSION DATA FOR 12" +

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

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

BLOW-OFF ASSEMBLY DIMENSION DATA FOR 12" +

Drawn: GDM
Date: JULY 2011
Scale: N.T.S.

Revised: _____
Revised: _____
Revised: _____

Widefield
Water and Sanitation District

W-20

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COLORADO LICENSED
PAUL W. BANSCHKE
PROFESSIONAL ENGINEER
00598303

10/05/2022

REV.	DATE	DESCRIPTION

Widefield
Water and Sanitation District

WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO

UPPER WEST TO EAST
TRANSMISSION LINE

STANDARD DETAILS 2

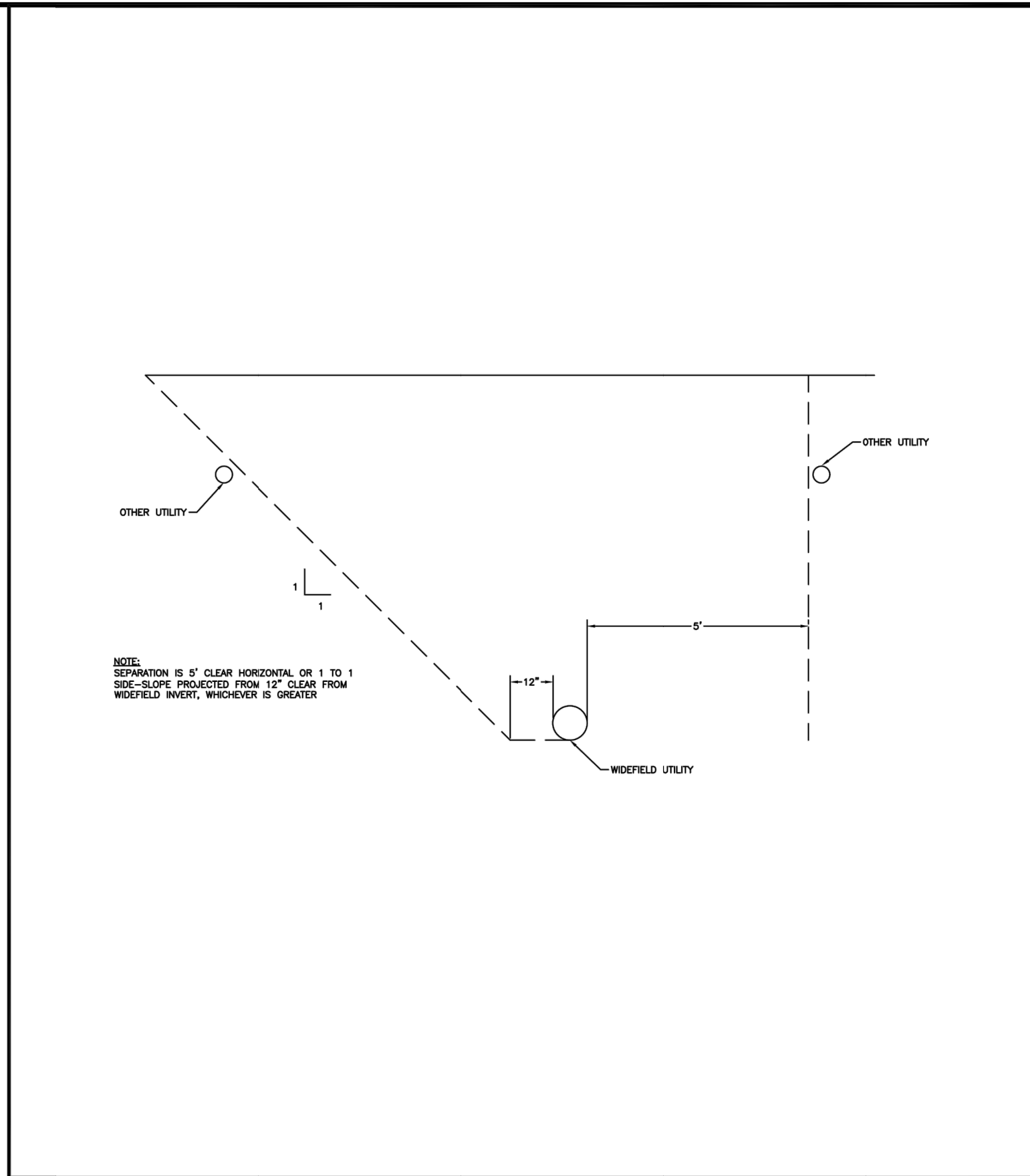
JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/JFC

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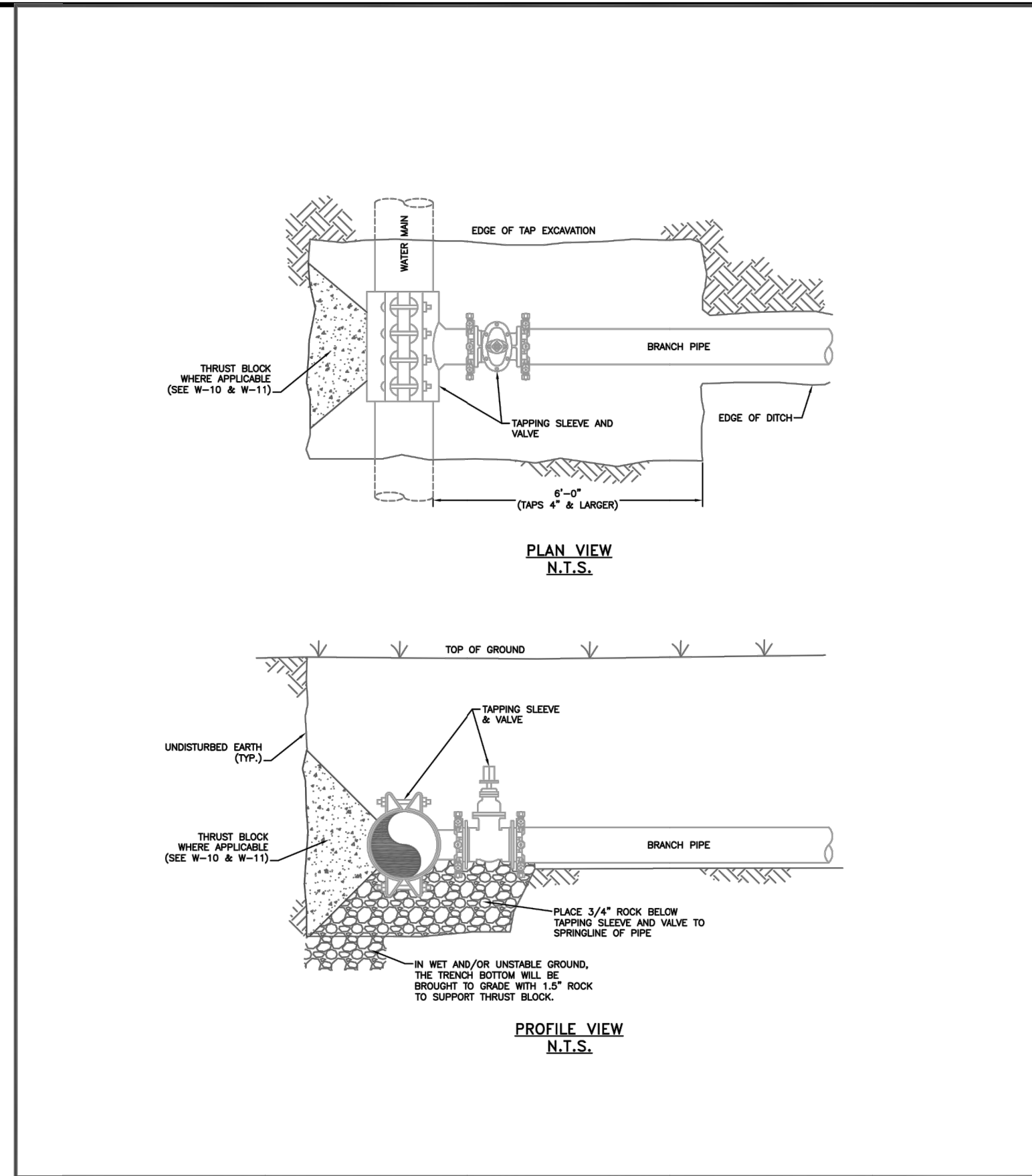
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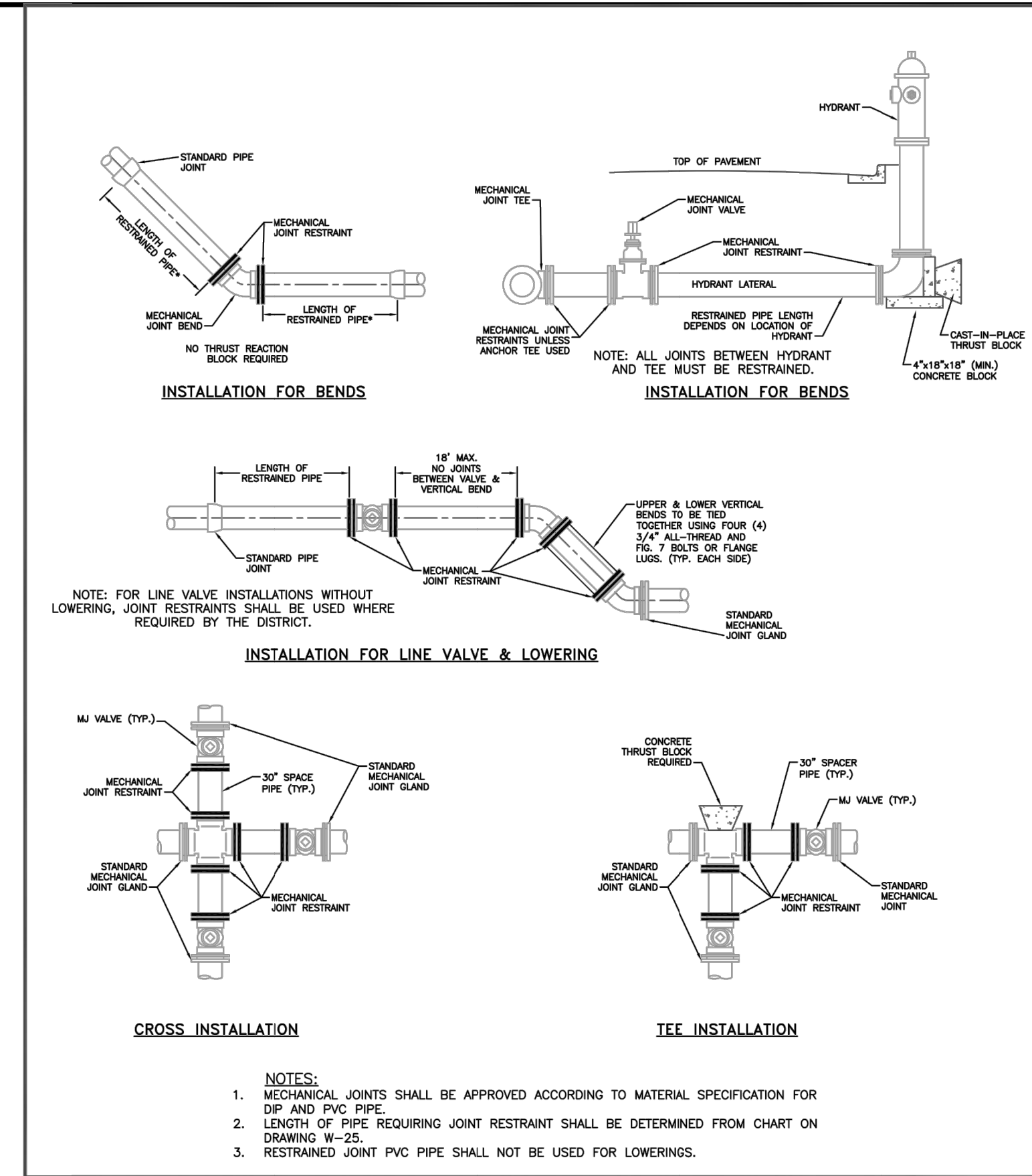
UTILITY SEPARATION FOR PARALLEL UTILITIES

Drawn: GJM	Revised:	 Widefield Water and Sanitation District	WW-20
Date: JULY 2012	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



PIPE TAPPING DETAIL

Drawn: GJM	Revised:	 Widefield Water and Sanitation District	W-21
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



APPLICATIONS FOR MECHANICAL JOINT RESTRAINTS

Drawn: GJM	Revised:	 Widefield Water and Sanitation District	W-24
Date: JULY 2011	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		

L = MINIMUM RESTRAINED PIPE LENGTH (FEET)

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

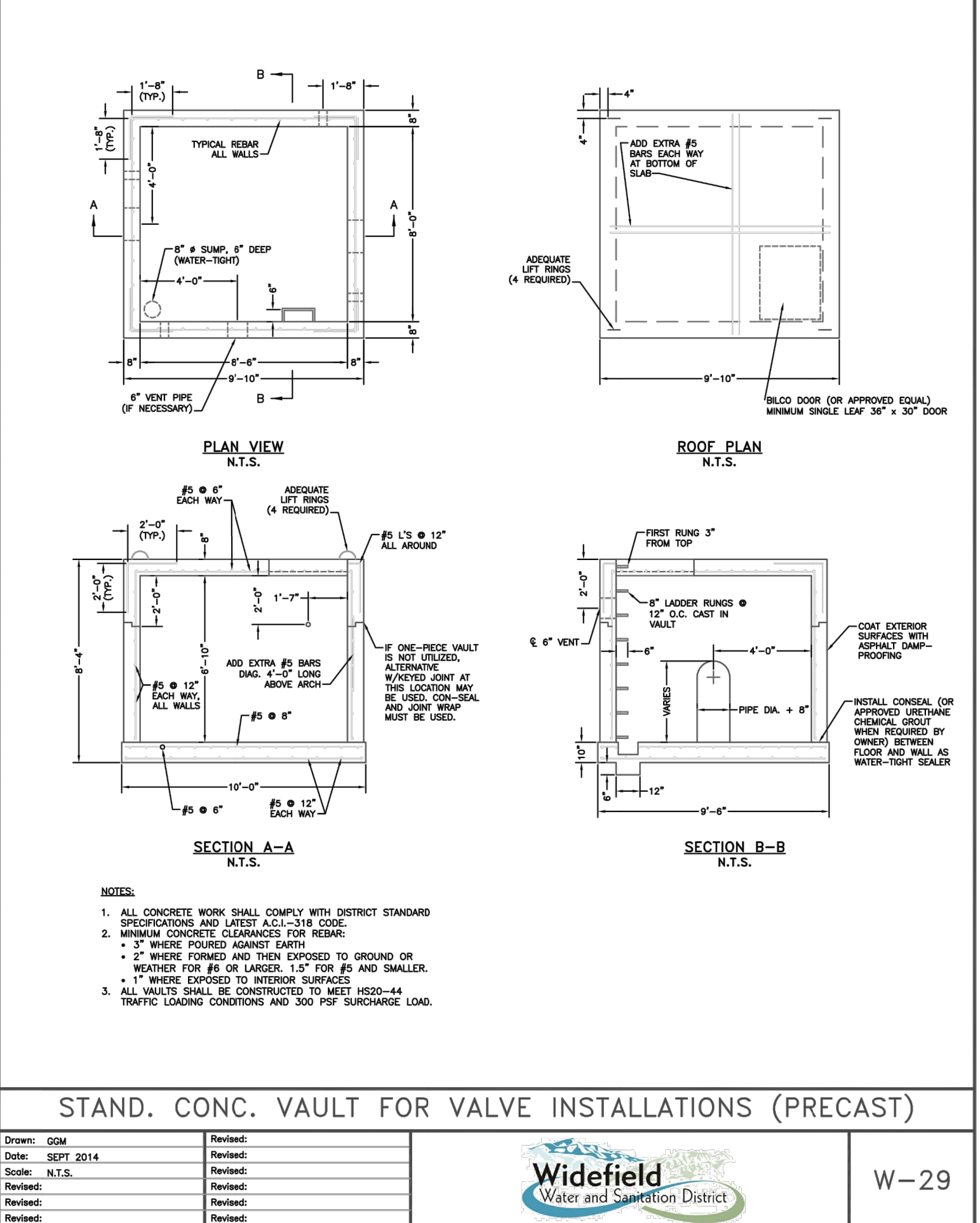
PIPE DIAMETER	90°		45°		22-1/2°		11-1/4° BEND		DEAD END VALVE OR PLUG TO INCLUDE IN-LINE VALVES (SEE NOTE 9)	
	150	200	150	200	150	200	150	200	150	200
24-inch PVC	73	97	30	40	15	20	8	10		
24-inch Poly Wrapped PVC	86	134	36	48	17	23	9	12		

NOTES:

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

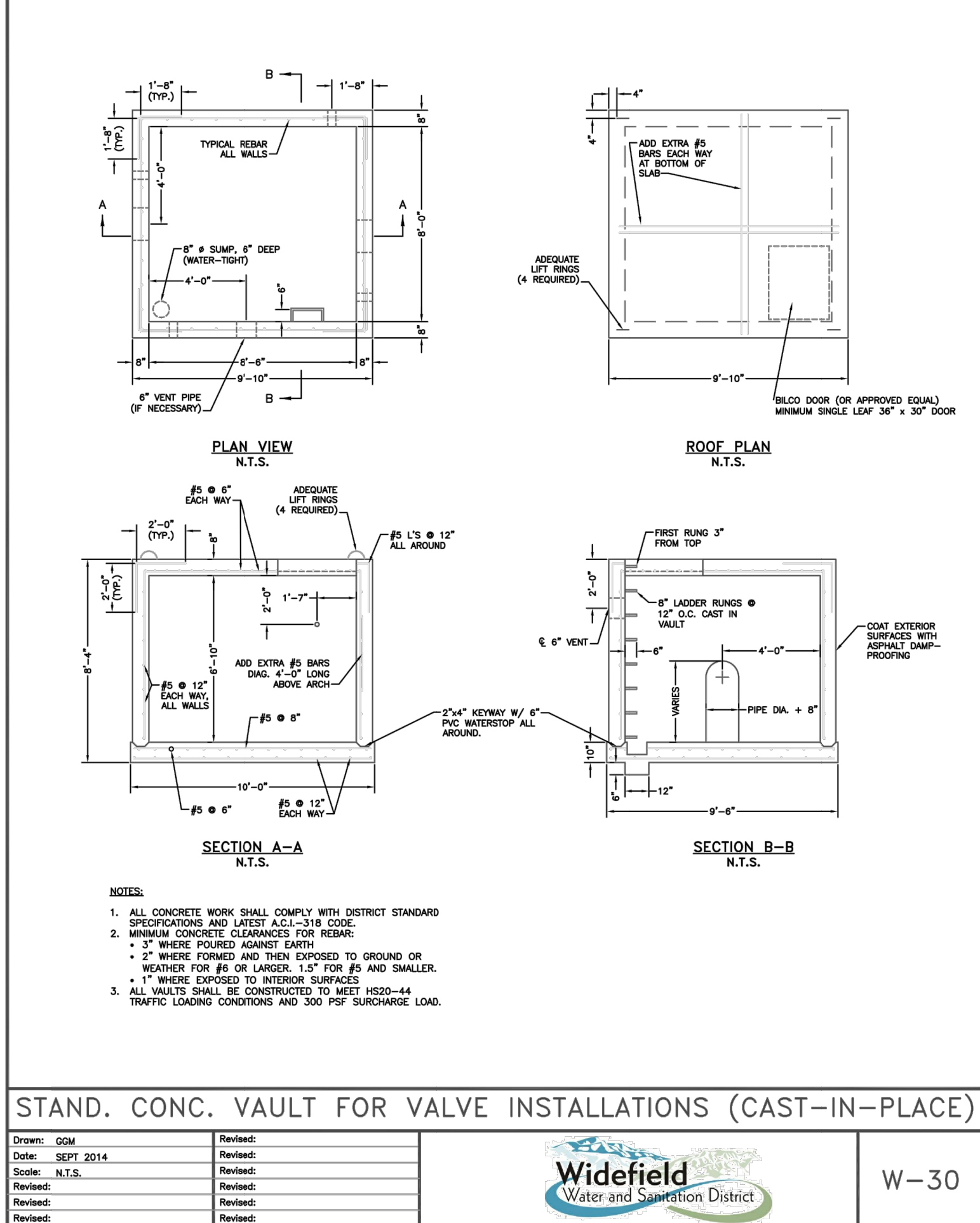
RESTRAINED PIPE LENGTH (FT) W/ MECHANICAL JOINT RESTRAINTS

Drawn: RKB	Revised:	 Widefield Water and Sanitation District	W-25
Date: MAY 6, 2020	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



STAND. CONC. VAULT FOR VALVE INSTALLATIONS (PRECAST)

Drawn: GJM	Revised:	 Widefield Water and Sanitation District	W-29
Date: SEPT 2014	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		

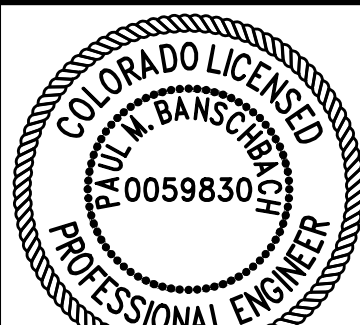


STAND. CONC. VAULT FOR VALVE INSTALLATIONS (CAST-IN-PLACE)

Drawn: GJM	Revised:	 Widefield Water and Sanitation District	W-30
Date: SEPT 2014	Revised:		
Scale: N.T.S.	Revised:		
Revised:	Revised:		
Revised:	Revised:		



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10/05/2022

BY	DESCRIPTION	DATE	REV.

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

STANDARD DETAILS 3

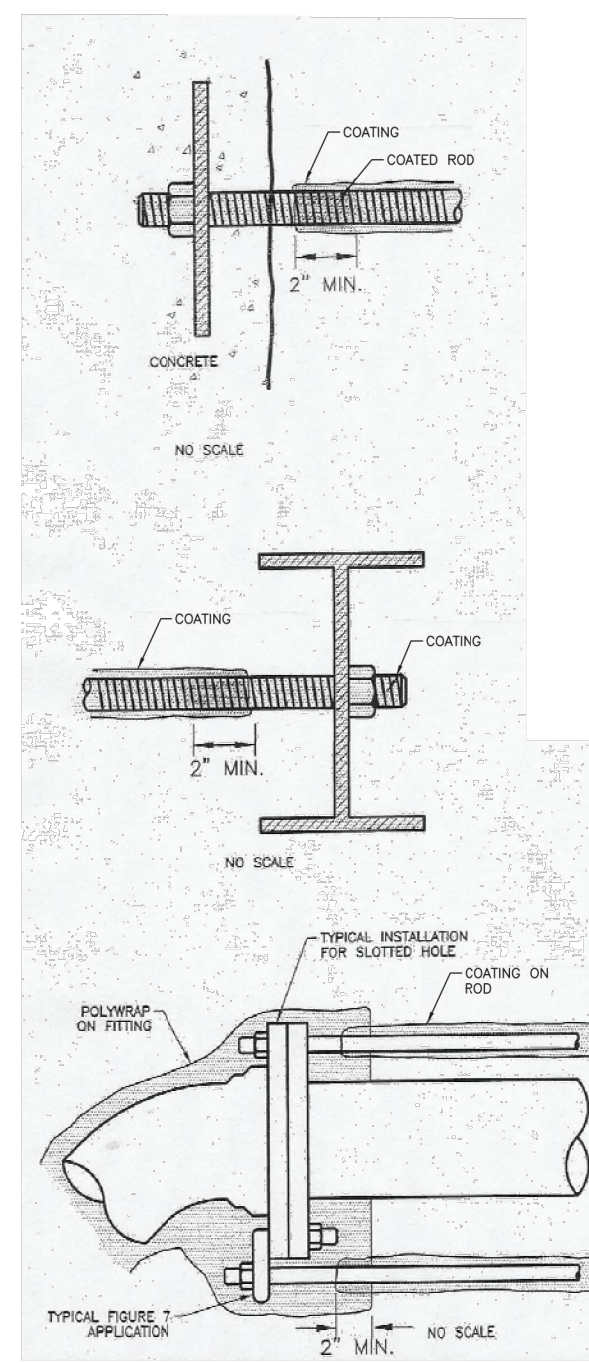
JOB NO.: 21W23110
DATE: OCTOBER 2022
DESIGNED BY: PMB
DRAWN BY: UOP/JFC

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
42

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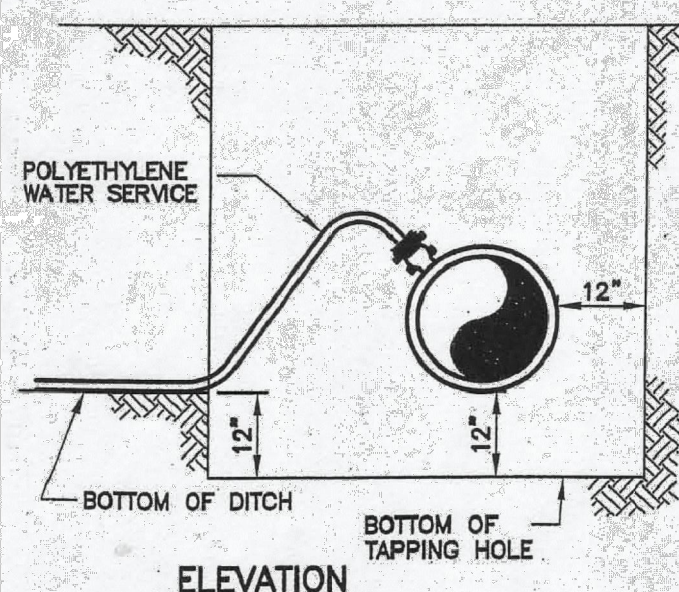
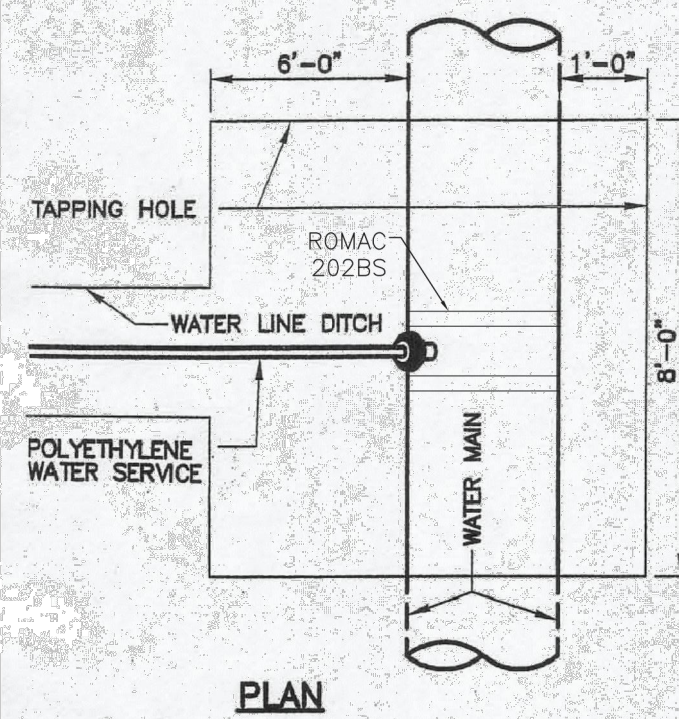
PROTECTING TIE-RODS

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

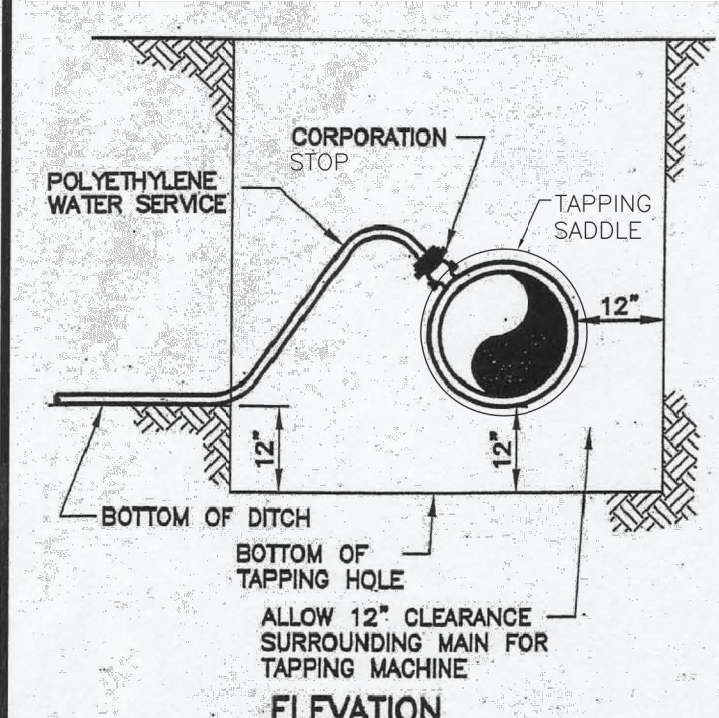


W-31

SERVICE TAPS 1-1/2" & 2" TAPPING SADDLE



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



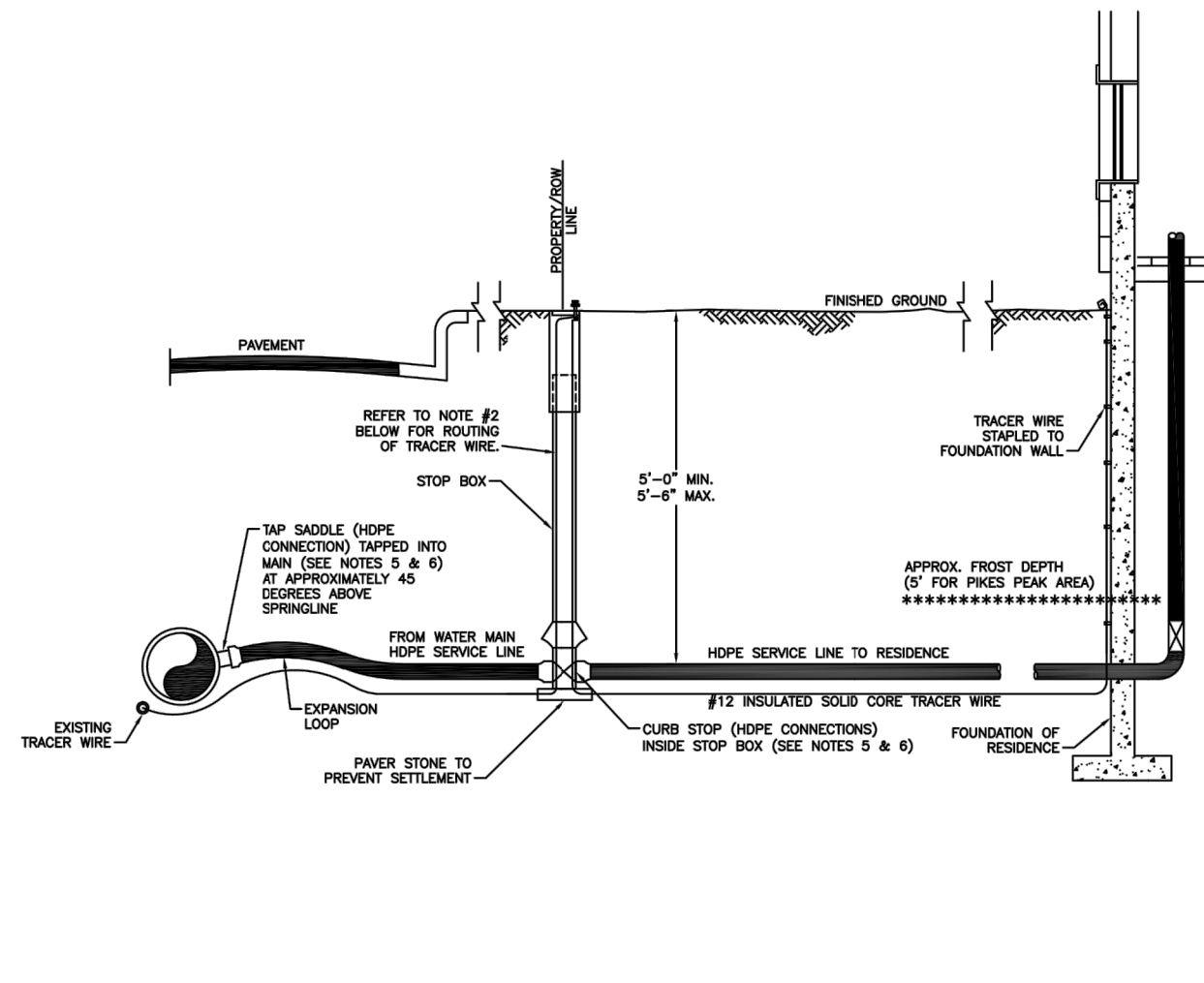
NOTE:
DIRECT TAPS TO THE WATER MAIN SHALL BE MADE ONLY WHEN APPROVED BY THE DISTRICT. ALL TAPS SHALL USE TAPPING SADDLES. TAPPING SADDLES SHALL HAVE TWO BRASS BANDS AND A BRASS CORPORATION CONNECTION.

TAPPING DETAIL - 3/4" THROUGH 2"

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



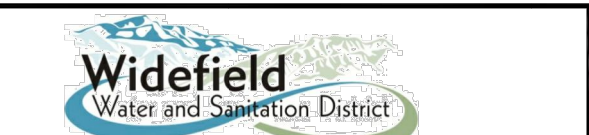
W-32



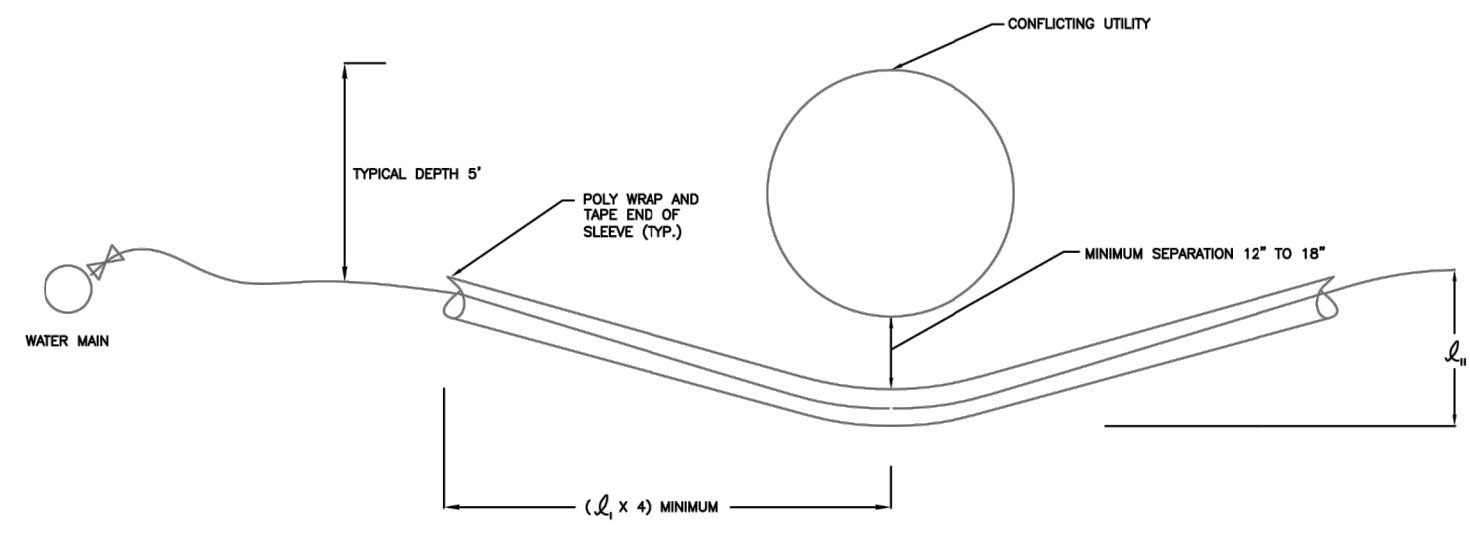
- NOTES:**
1. REFER TO STANDARD DRAWINGS FOR METER, PRESSURE REGULATION AND BACKFLOW PREVENTION DEVICE INSTALLATION DETAILS.
 2. SERVICE LINE FROM CURB STOP TO THE STRUCTURE BEING SERVED IS THE RESPONSIBILITY OF THE CUSTOMER/OWNER FOR OPERATION AND MAINTENANCE. ONLY THE DISTRICT IS AUTHORIZED TO OPEN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

TYP. INSTALLATION FOR SERVICE LINE AND STOP BOX

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



W-33



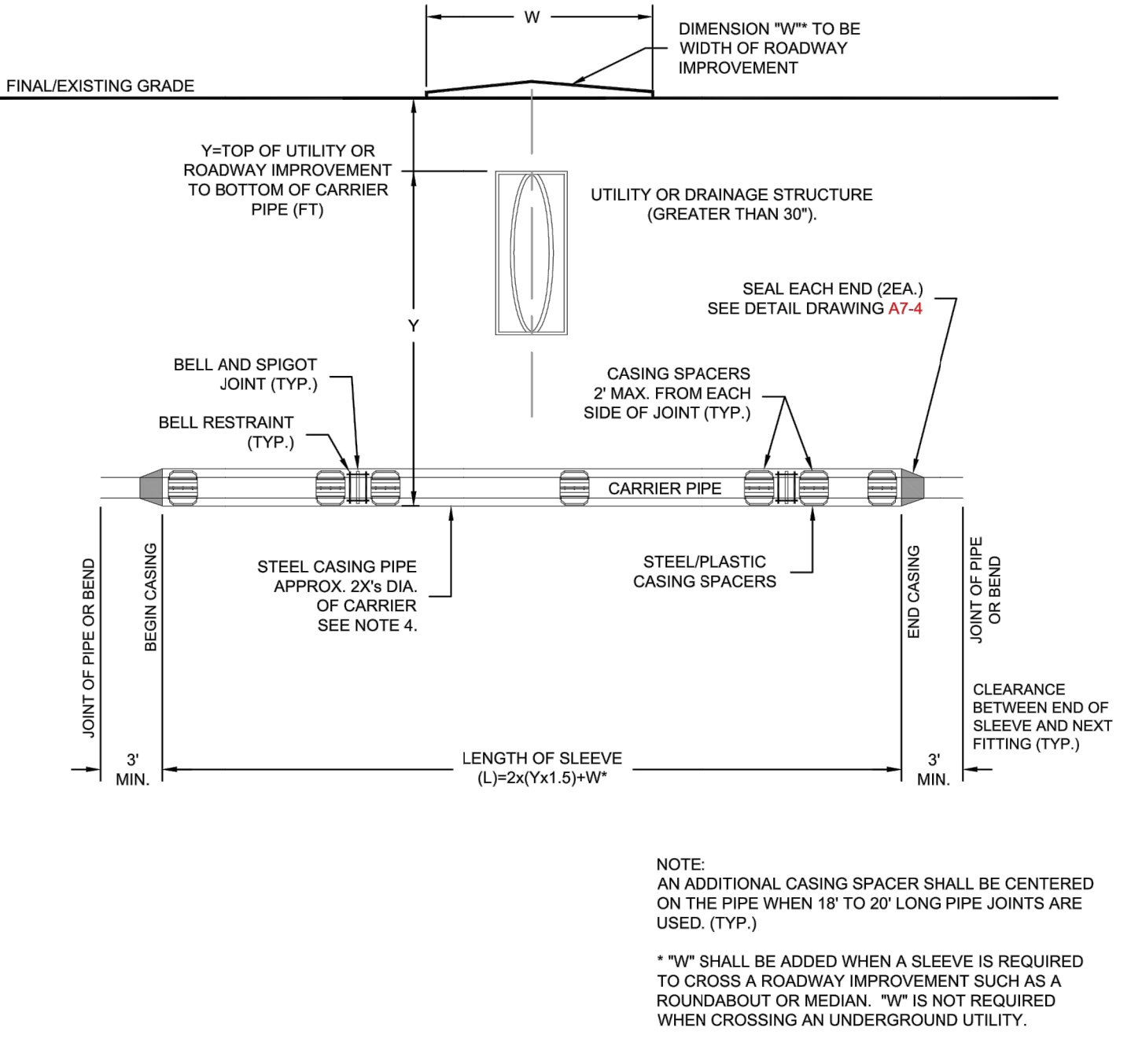
- NOTES:**
1. SERVICE LINES MAY BE LOWERED TO AVOID UTILITY CONFLICT UP TO A MAXIMUM DEPTH OF 10'.
 2. SLEEVE MAY BE 3" CORRUGATED ABS LINE.

SERVICE LINE LOWERING

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



W-41

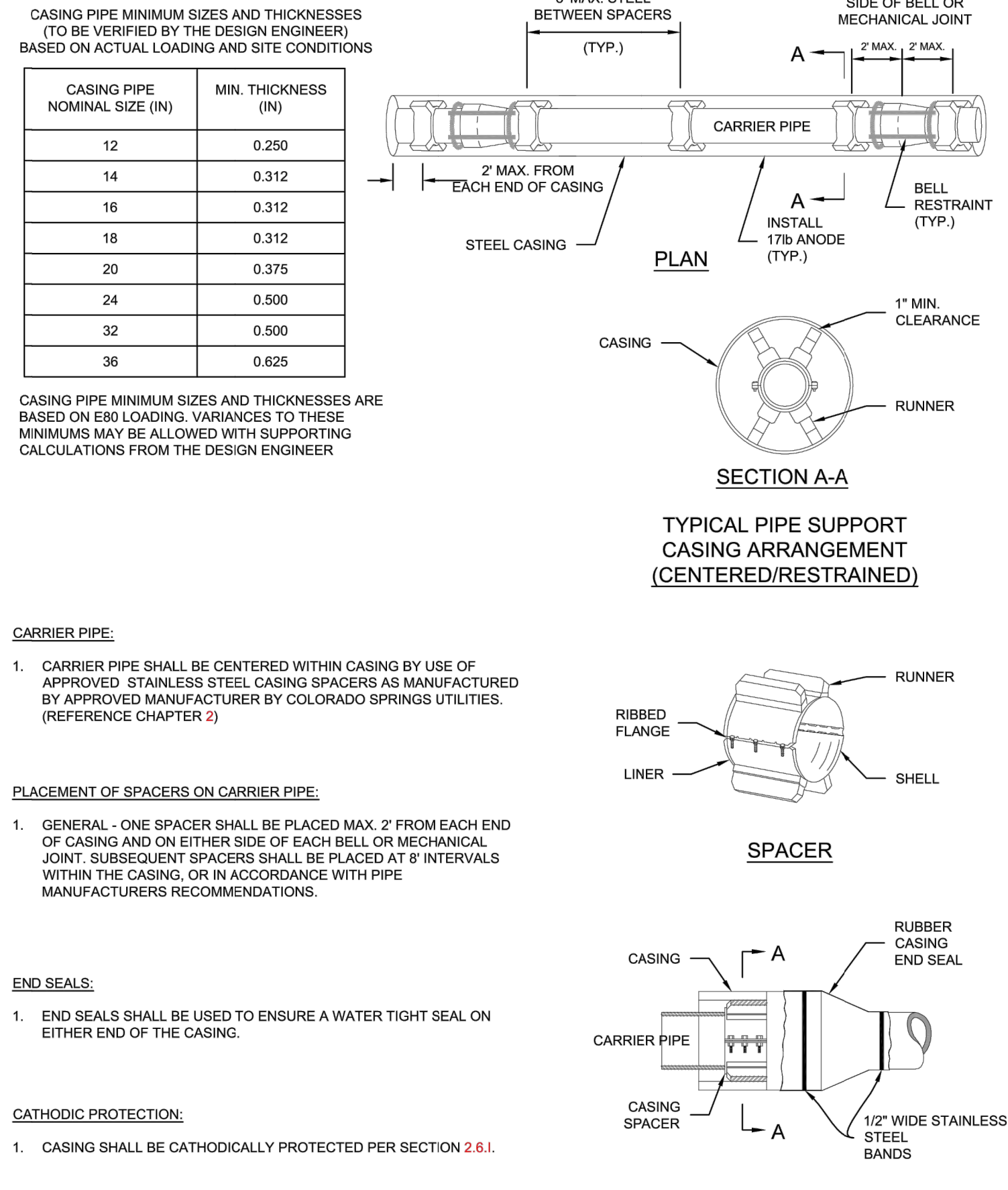


- NOTES:**
1. ALL FITTINGS AND BELLS SHALL BE RESTRAINED IN THE CASING PIPE.
 2. LOCATE CASING SPACERS AT "HOMING" LOCATION FOR SLEEVES GREATER THAN 50 FEET IN LENGTH TO PREVENT DAMAGE TO BELL DURING INSTALLATION AND EXTRACTION OF PIPE. IF REMOVED.
 3. CASING SHALL BE STEEL PIPE WITH A MINIMUM YIELD 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

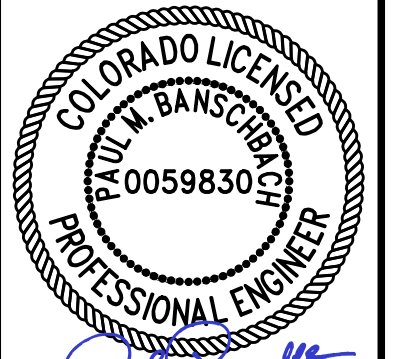


TYPICAL STEEL CASING INSTALLATION

A7-4
DATED 06/2015



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10/05/2022

BY	
DESCRIPTION	
DATE	
REV.	

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

STANDARD DETAILS 4

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

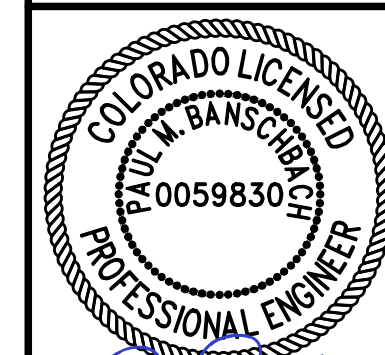
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
99-C503
SHEET NUMBER
43

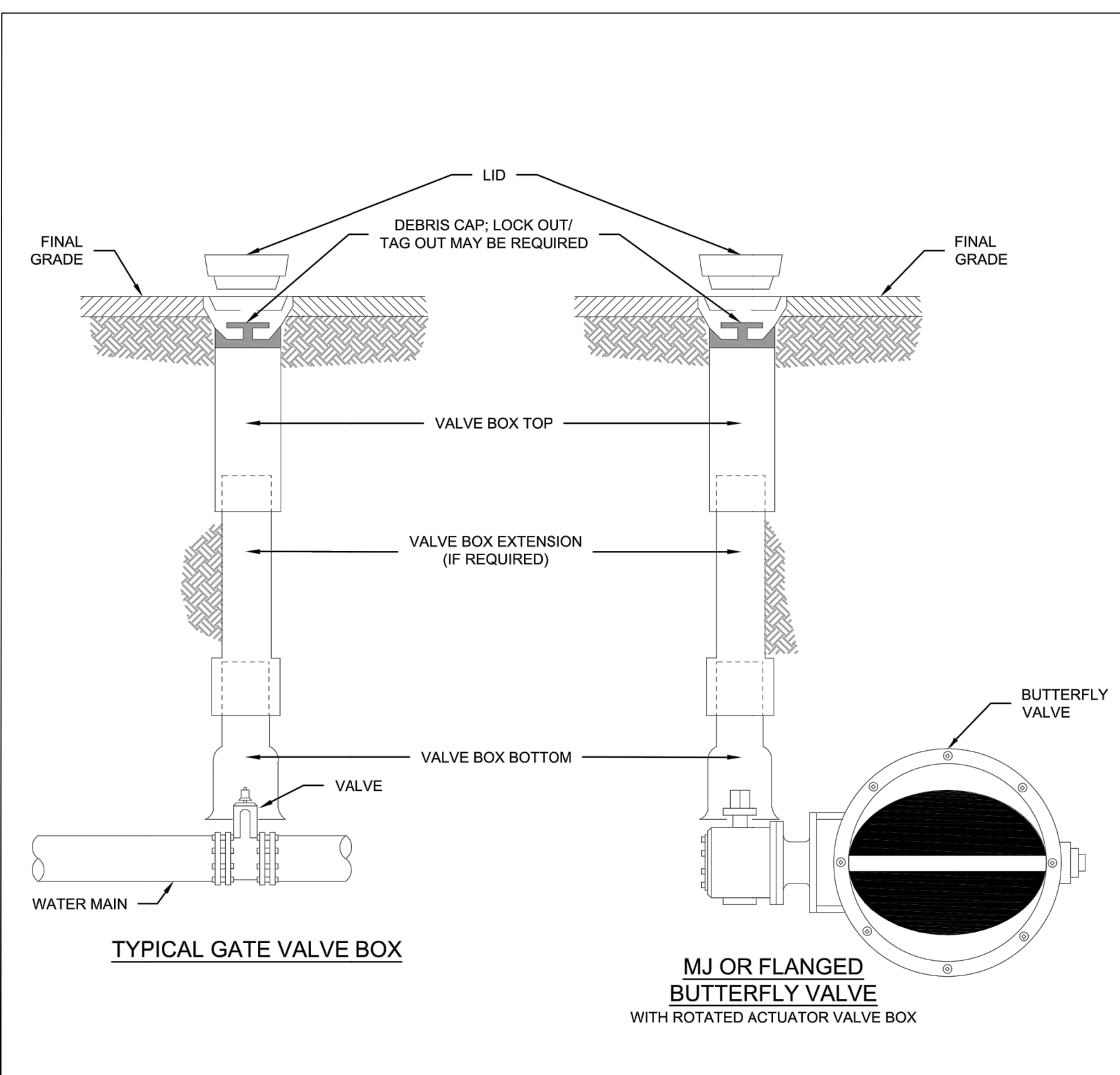
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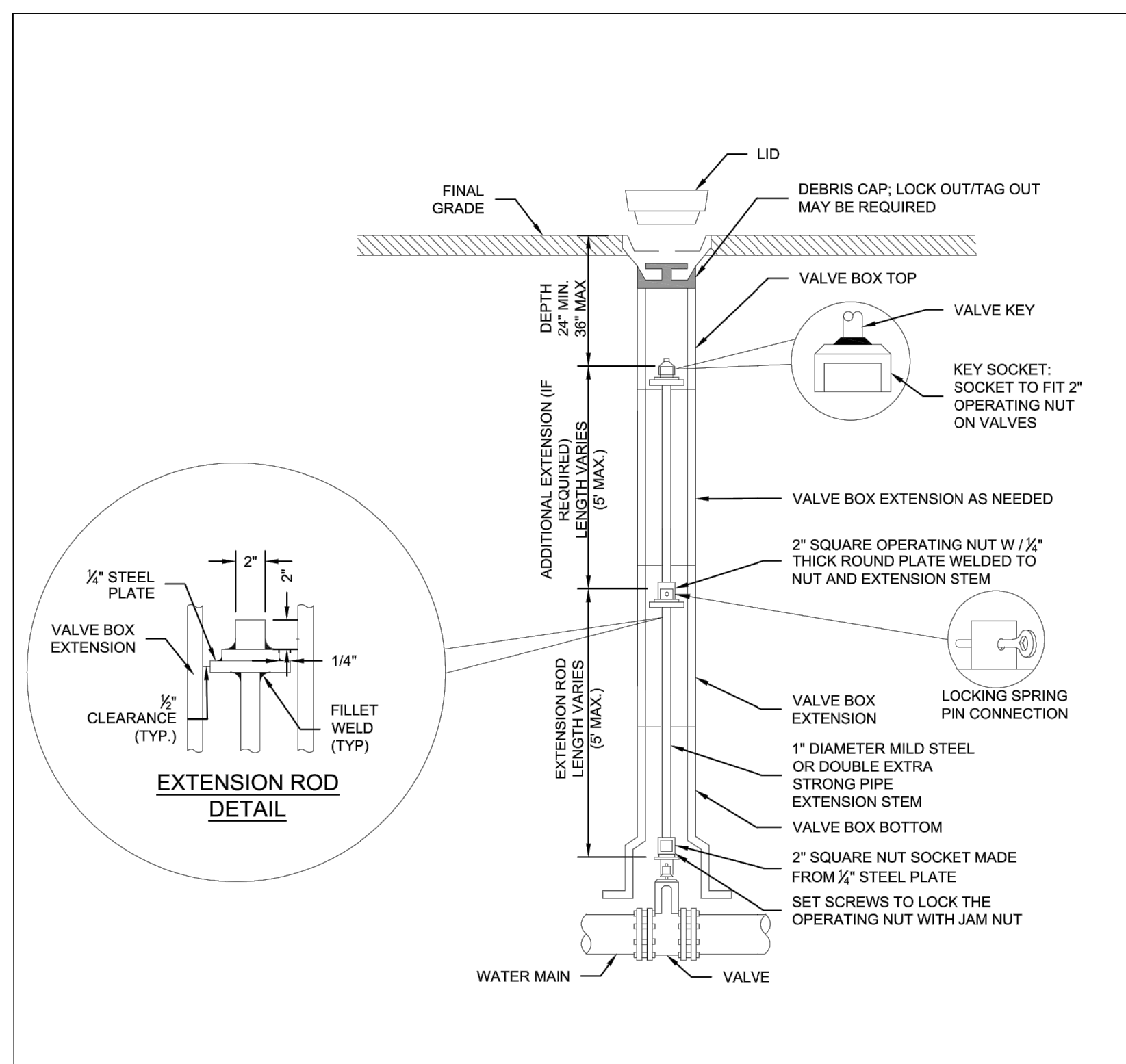


10/05/2022



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

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



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

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

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REV.	DATE	DESCRIPTION	BY

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

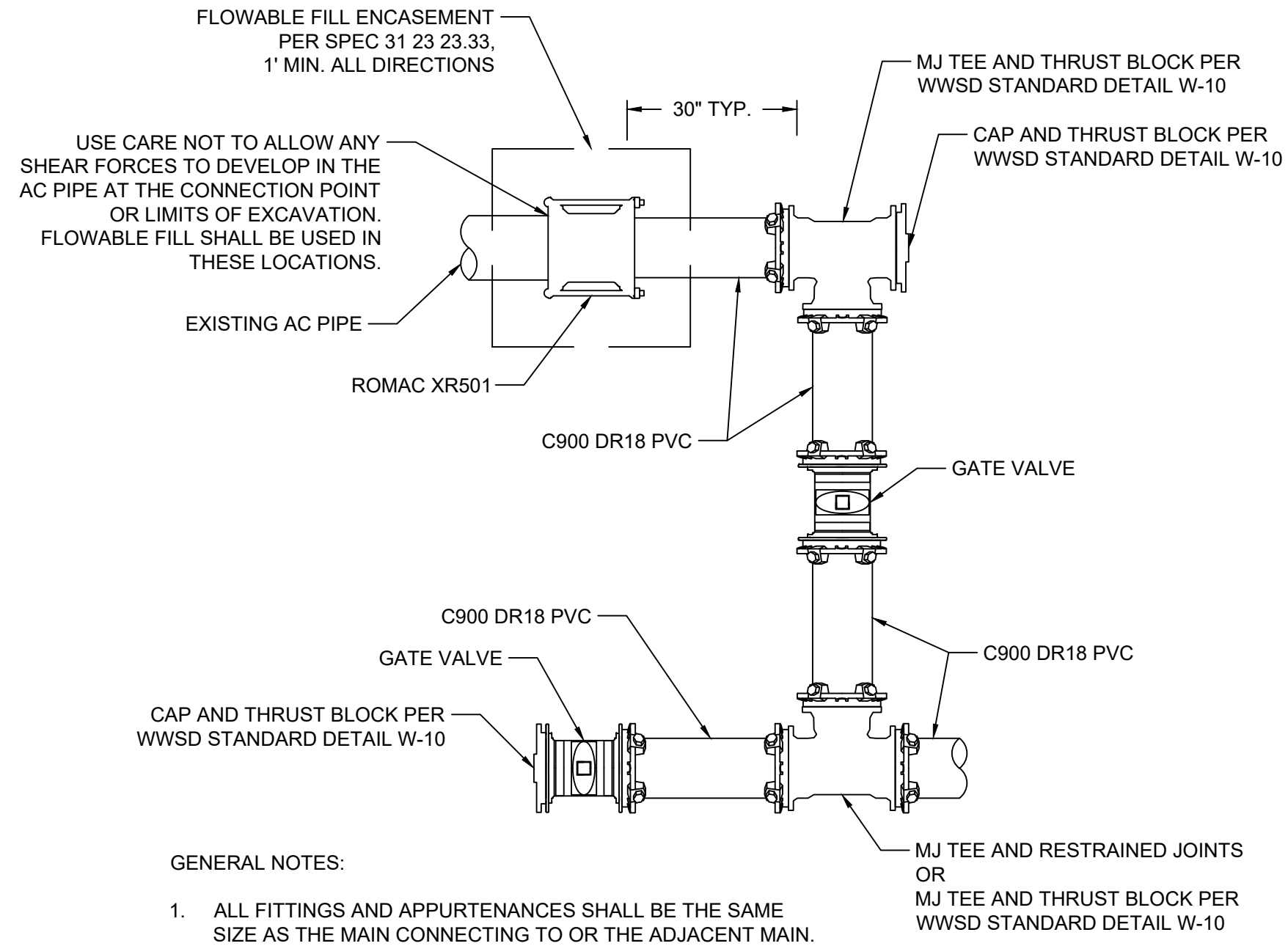
STANDARD DETAILS 5

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

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
99-C504

SHEET NUMBER
44

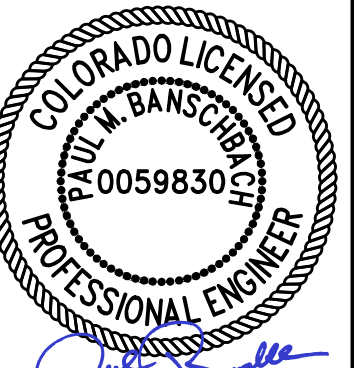


1 CONNECTION TIE IN DETAIL
99-C506 SCALE: NONE

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Last plotted by: Martinez, Ervin S., Plot Style: AECmonochrome.ctb, Plot Scale: 1:2,5849, Plot Date: 10/4/2022 1:38 PM, Plotter used: None



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10/05/2022

REV.	DATE	DESCRIPTION	BY

Widefield
Water and Sanitation District

WIDEFIELD WATER
AND SANITATION
DISTRICT
WIDEFIELD, COLORADO

UPPER WEST TO EAST
TRANSMISSION LINE

STANDARD DETAILS 7

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

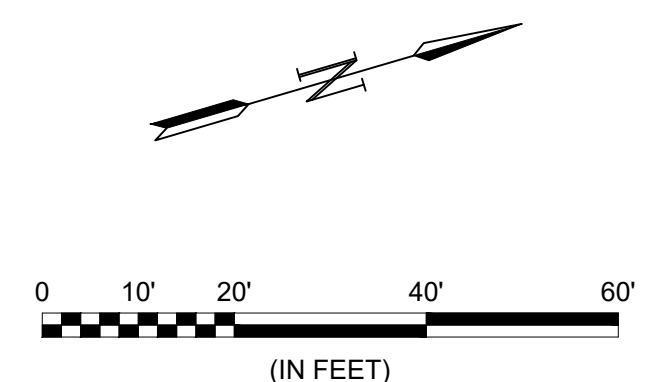
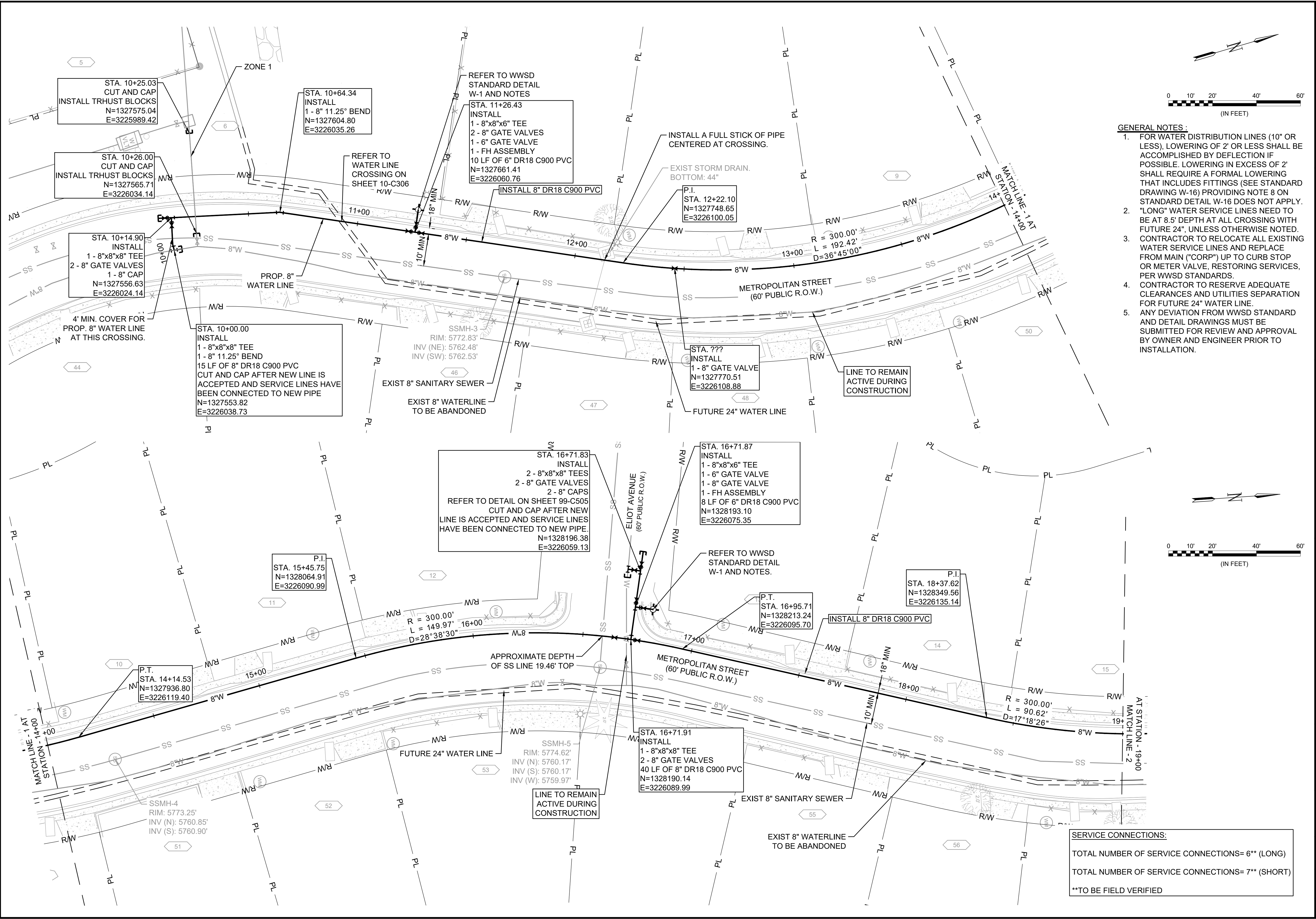
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ORIGINAL DRAWING
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IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
99-C506

SHEET
NUMBER **46**

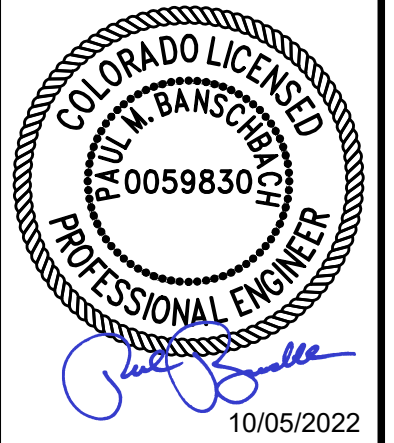
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 Last plotted by: Perez, Ulises O Plot Style: AECmon.ctb Plot Date: 10/4/2022 4:31 PM Plotter used: None



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

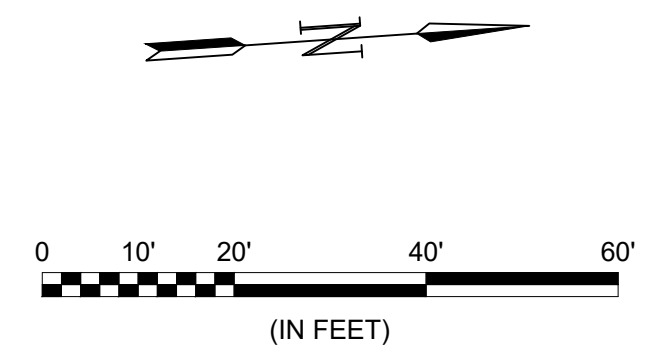


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10/05/2022

REV.	DATE	DESCRIPTION	BY



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

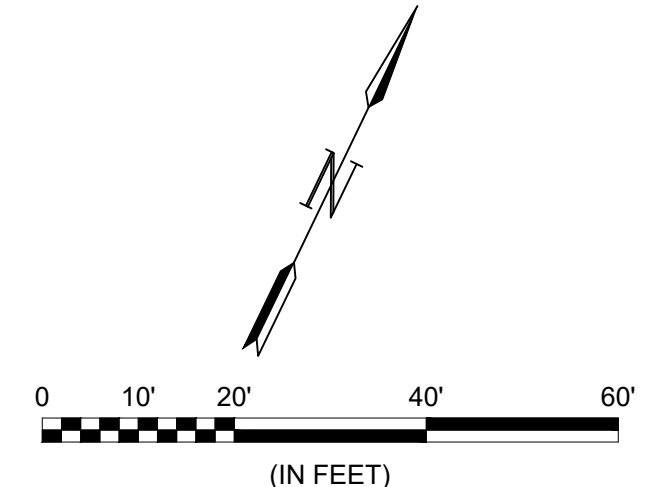
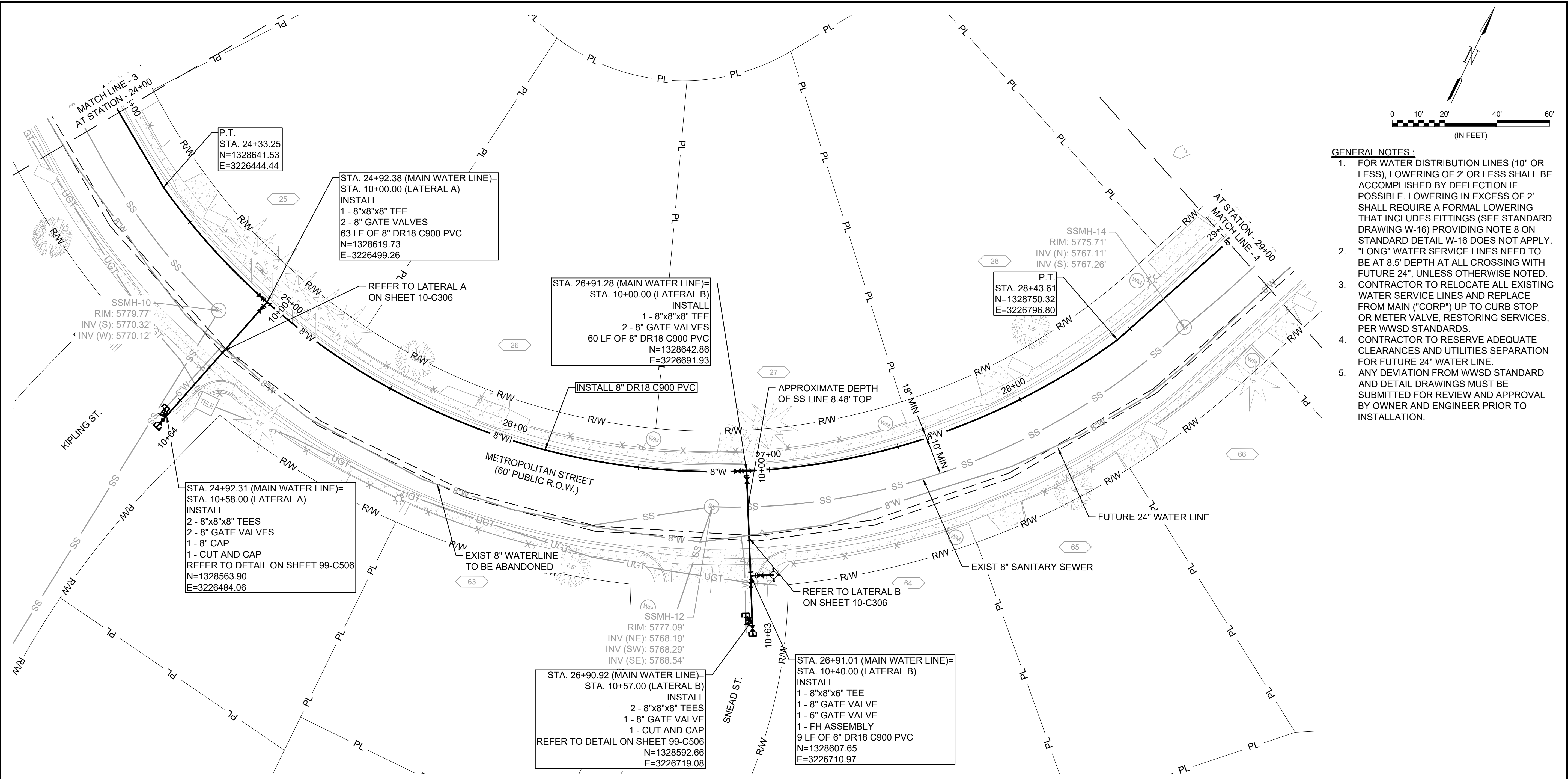
PLAN AND PROFILE (STA. 10+00 TO STA. 19+00)

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

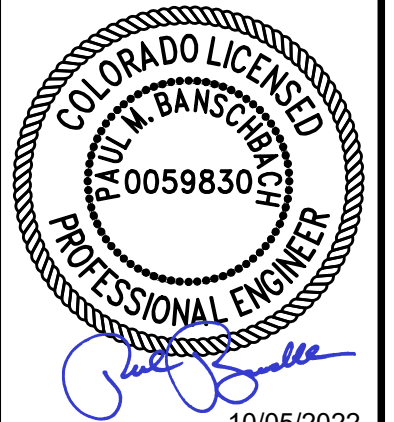
BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
 DRAWING NUMBER
10-C301
 SHEET NUMBER
51

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

File: \\2021\21w23110 - wwsd\jv2e\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



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

P.T.
 STA. 24+33.25
 N=1328641.53
 E=3226444.44

STA. 24+92.38 (MAIN WATER LINE)=
 STA. 10+00.00 (LATERAL A)
 INSTALL
 1 - 8"x8"x8" TEE
 2 - 8" GATE VALVES
 63 LF OF 8" DR18 C900 PVC
 N=1328619.73
 E=3226499.26

STA. 26+91.28 (MAIN WATER LINE)=
 STA. 10+00.00 (LATERAL B)
 INSTALL
 1 - 8"x8"x8" TEE
 2 - 8" GATE VALVES
 60 LF OF 8" DR18 C900 PVC
 N=1328642.86
 E=3226691.93

P.T.
 STA. 28+43.61
 N=1328750.32
 E=3226796.80

STA. 24+92.31 (MAIN WATER LINE)=
 STA. 10+58.00 (LATERAL A)
 INSTALL
 2 - 8"x8"x8" TEES
 2 - 8" GATE VALVES
 1 - 8" CAP
 1 - CUT AND CAP
 REFER TO DETAIL ON SHEET 99-C506
 N=1328563.90
 E=3226484.06

STA. 26+90.92 (MAIN WATER LINE)=
 STA. 10+57.00 (LATERAL B)
 INSTALL
 2 - 8"x8"x8" TEES
 1 - 8" GATE VALVE
 1 - CUT AND CAP
 REFER TO DETAIL ON SHEET 99-C506
 N=1328592.66
 E=3226719.08

STA. 26+91.01 (MAIN WATER LINE)=
 STA. 10+40.00 (LATERAL B)
 INSTALL
 1 - 8"x8"x6" TEE
 1 - 8" GATE VALVE
 1 - 6" GATE VALVE
 1 - FH ASSEMBLY
 9 LF OF 6" DR18 C900 PVC
 N=1328607.65
 E=3226710.97

REV.	DATE	DESCRIPTION	BY

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

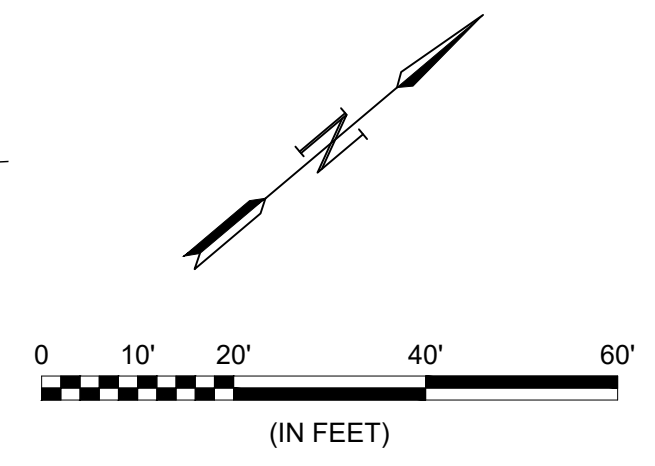
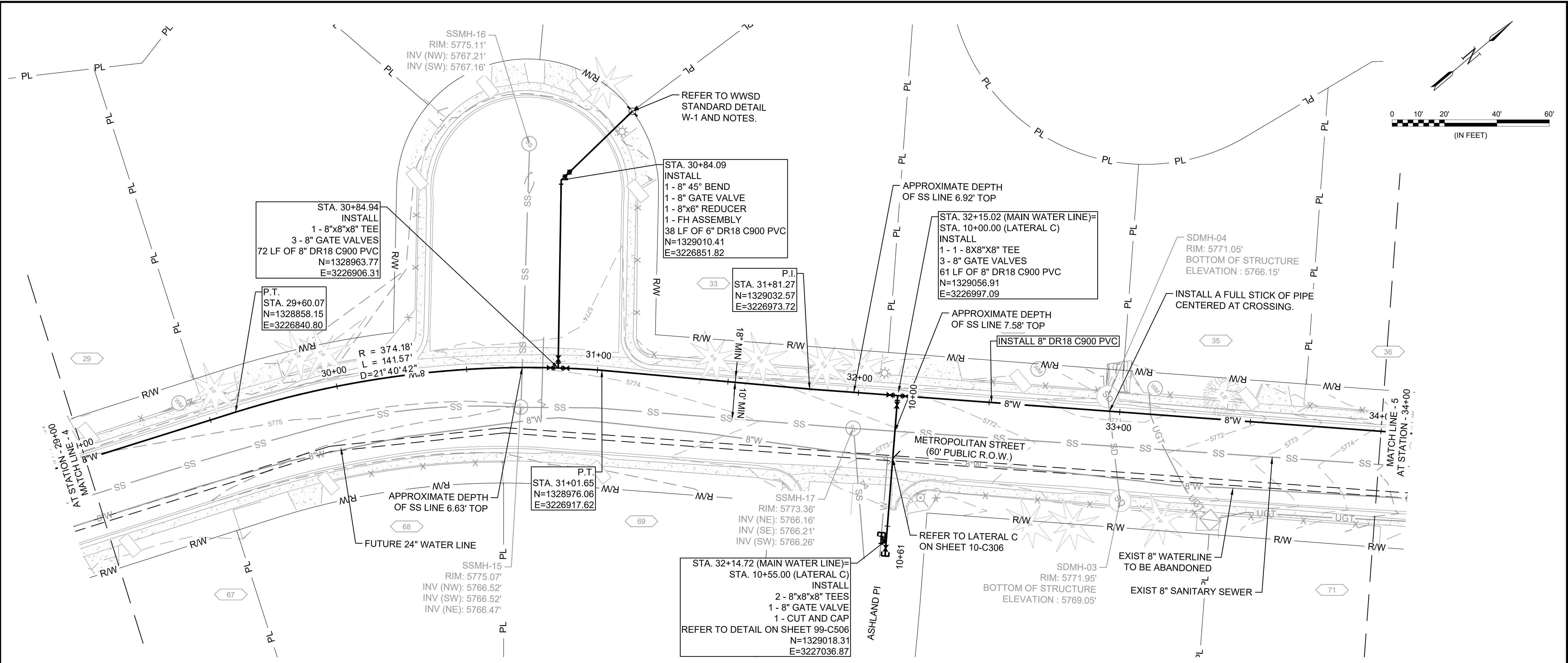
PLAN AND PROFILE
 (STA. 24+00 TO STA. 29+00)

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

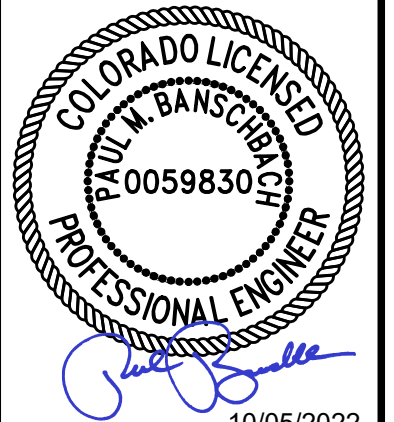
BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
 DRAWING NUMBER
10-C303
 SHEET NUMBER
53

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

File: \\2021\21w23110 - wwsd\jw2e\cman\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: AECmon.ctb Plot Date: 10/4/2022 4:32 PM Plotter used: None



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10/05/2022

REV.	DATE	DESCRIPTION	BY

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

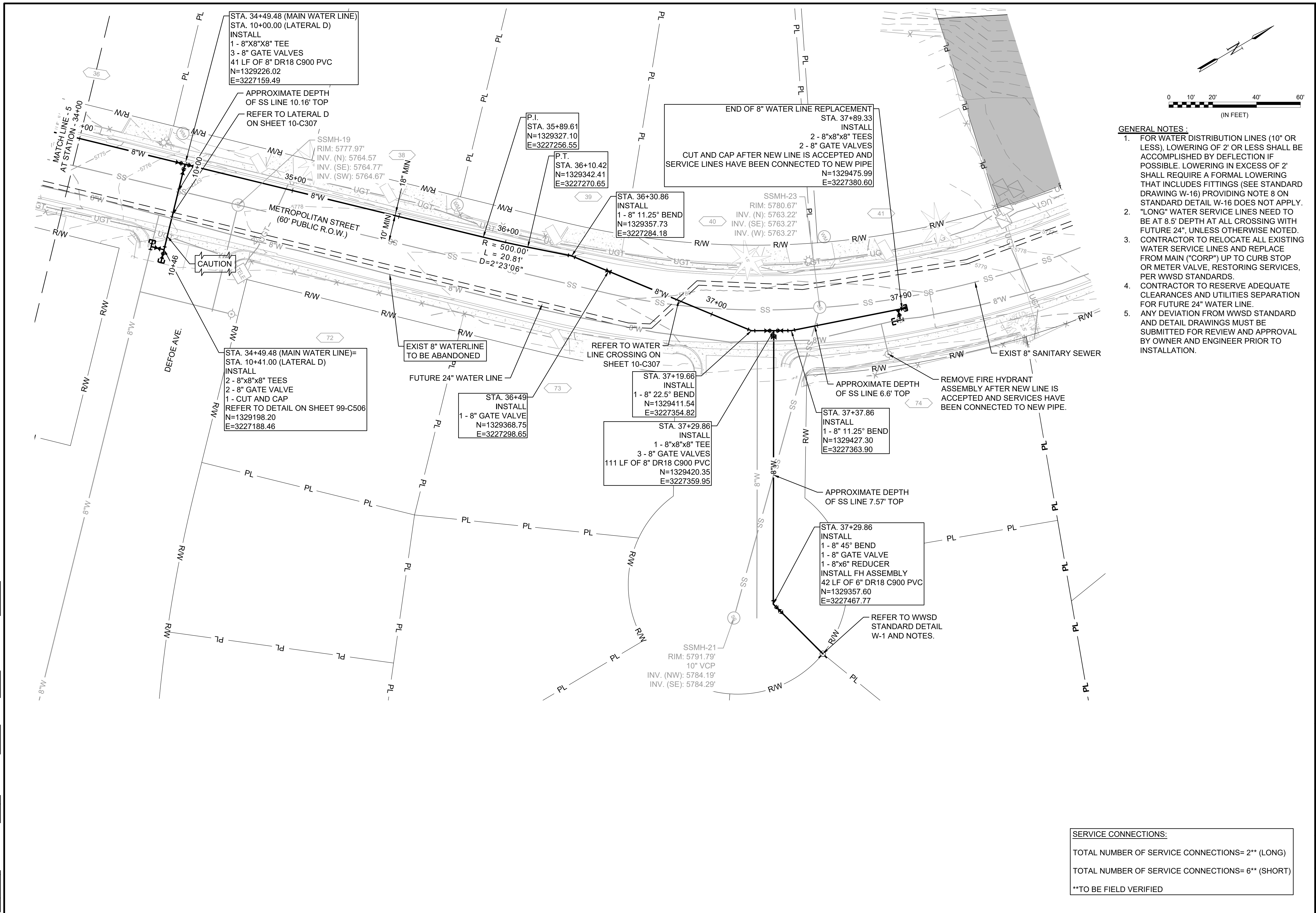
PLAN AND PROFILE
 (STA. 29+00 TO STA. 34+00)

JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC
 DRAWING NUMBER
10-C304
 SHEET NUMBER
54

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

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

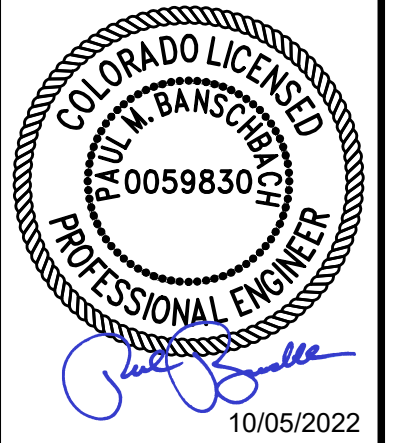
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 Last plotted by: Perez, Ulises O Plot Style: AECmon.ctb Plot Date: 10/4/2022 4:32 PM Plotter used: None



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



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REV.	DATE	DESCRIPTION	BY

REV.	DATE	DESCRIPTION	BY

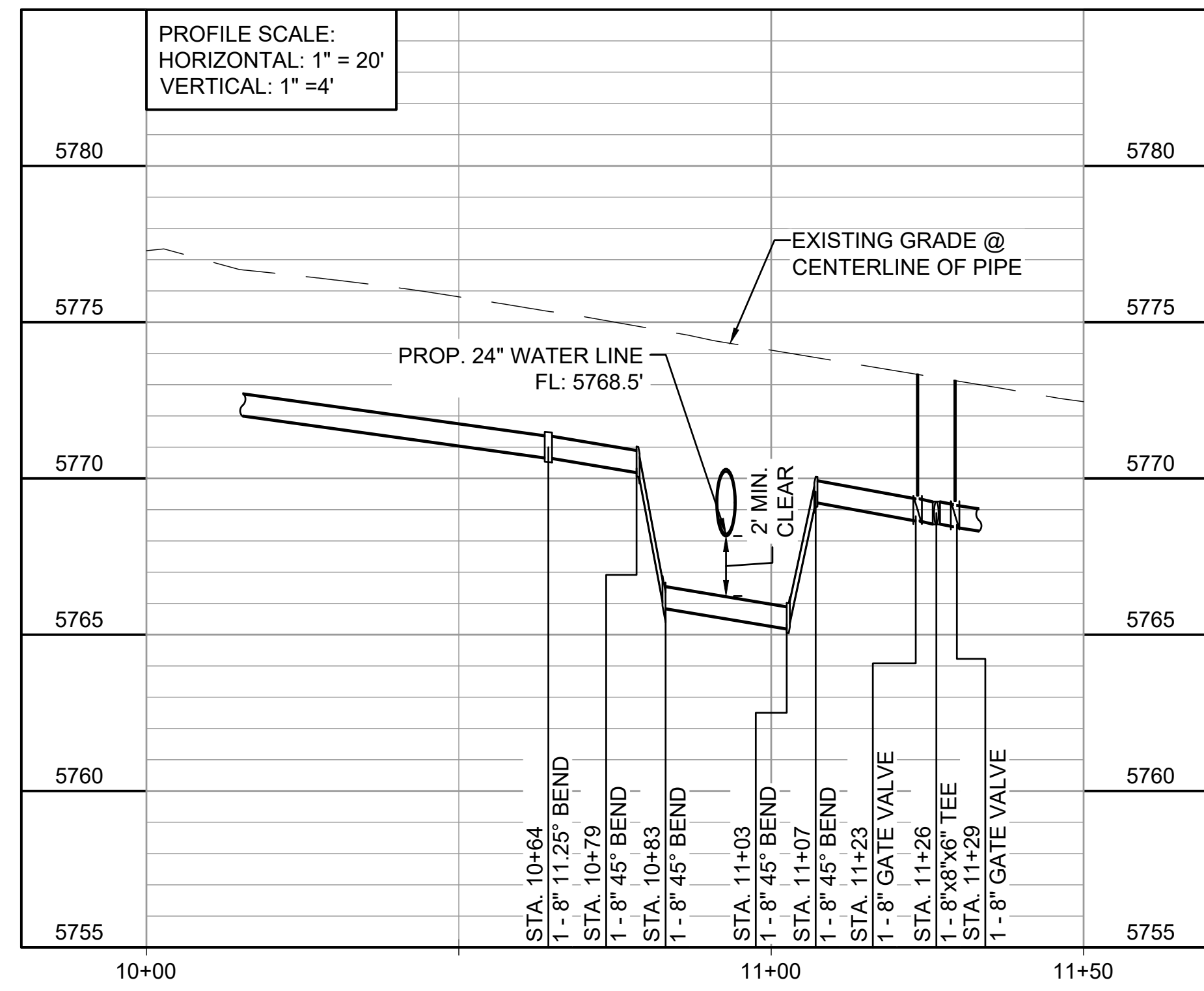
WIDEFIELD WATER AND SANITATION DISTRICT
 WIDEFIELD, COLORADO
8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

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

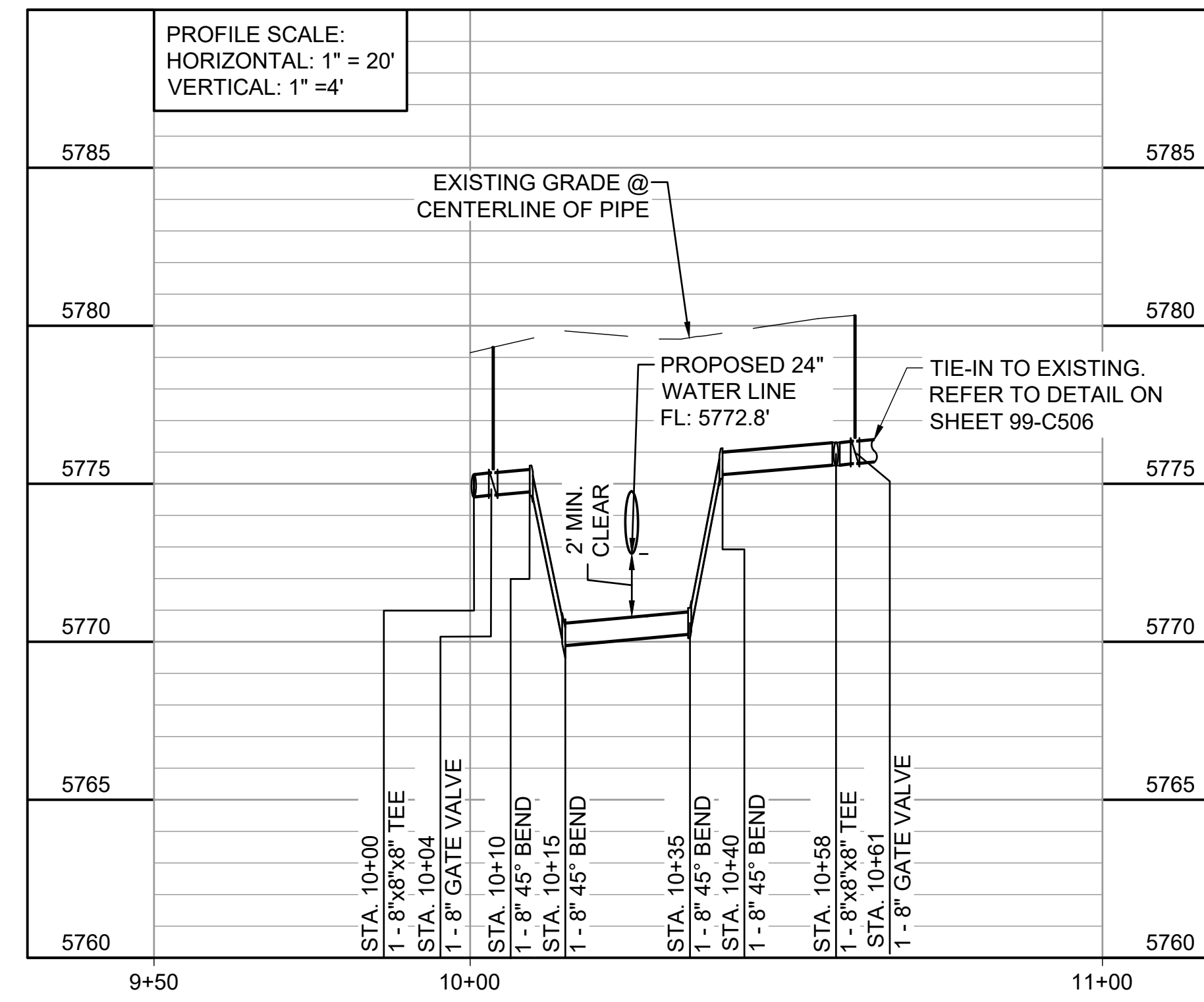
JOB NO.: 21W23110
 DATE: OCTOBER 2022
 DESIGNED BY: PMB
 DRAWN BY: UOP/FJC

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

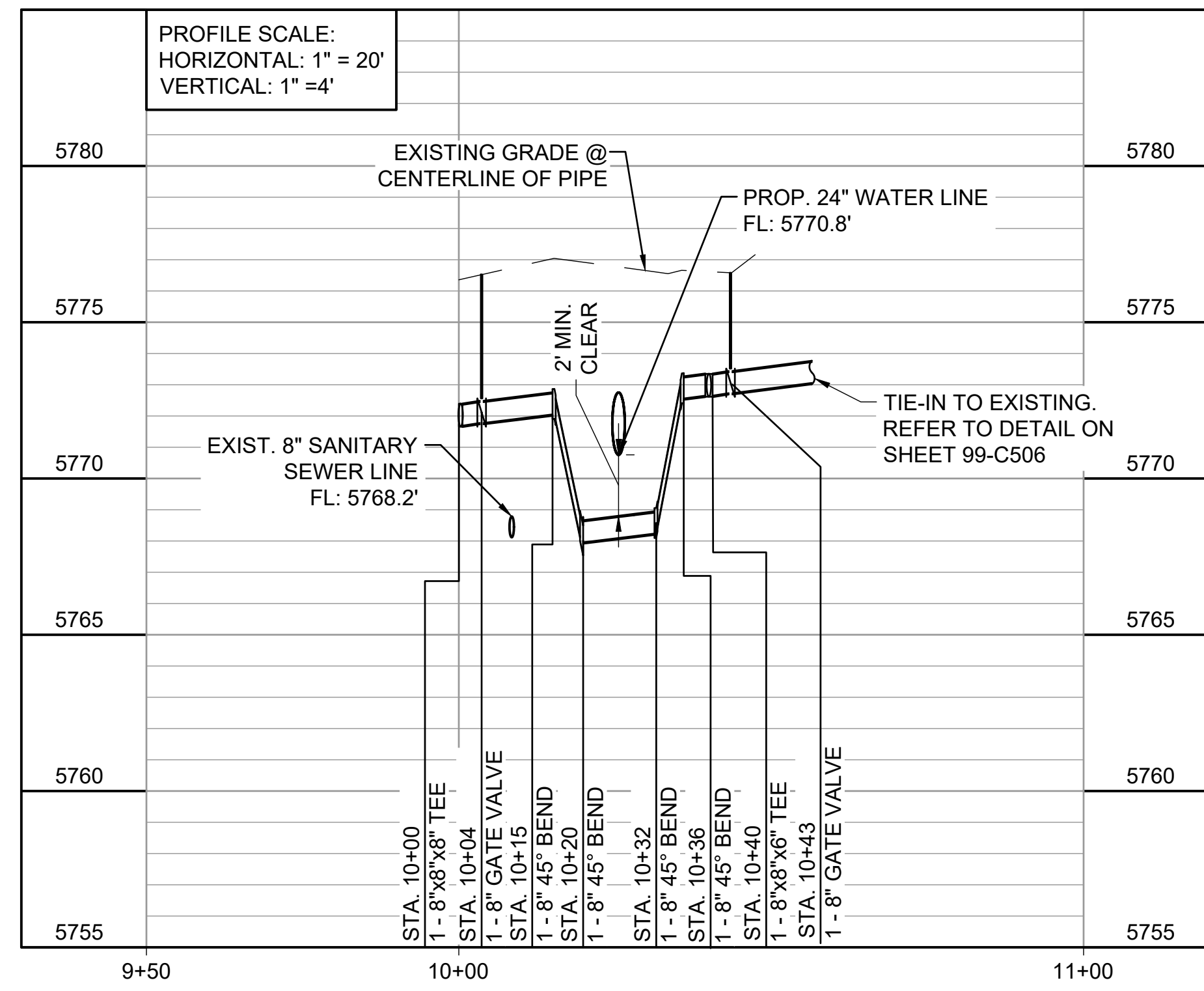
SERVICE CONNECTIONS:
 TOTAL NUMBER OF SERVICE CONNECTIONS= 2** (LONG)
 TOTAL NUMBER OF SERVICE CONNECTIONS= 6** (SHORT)
 **TO BE FIELD VERIFIED



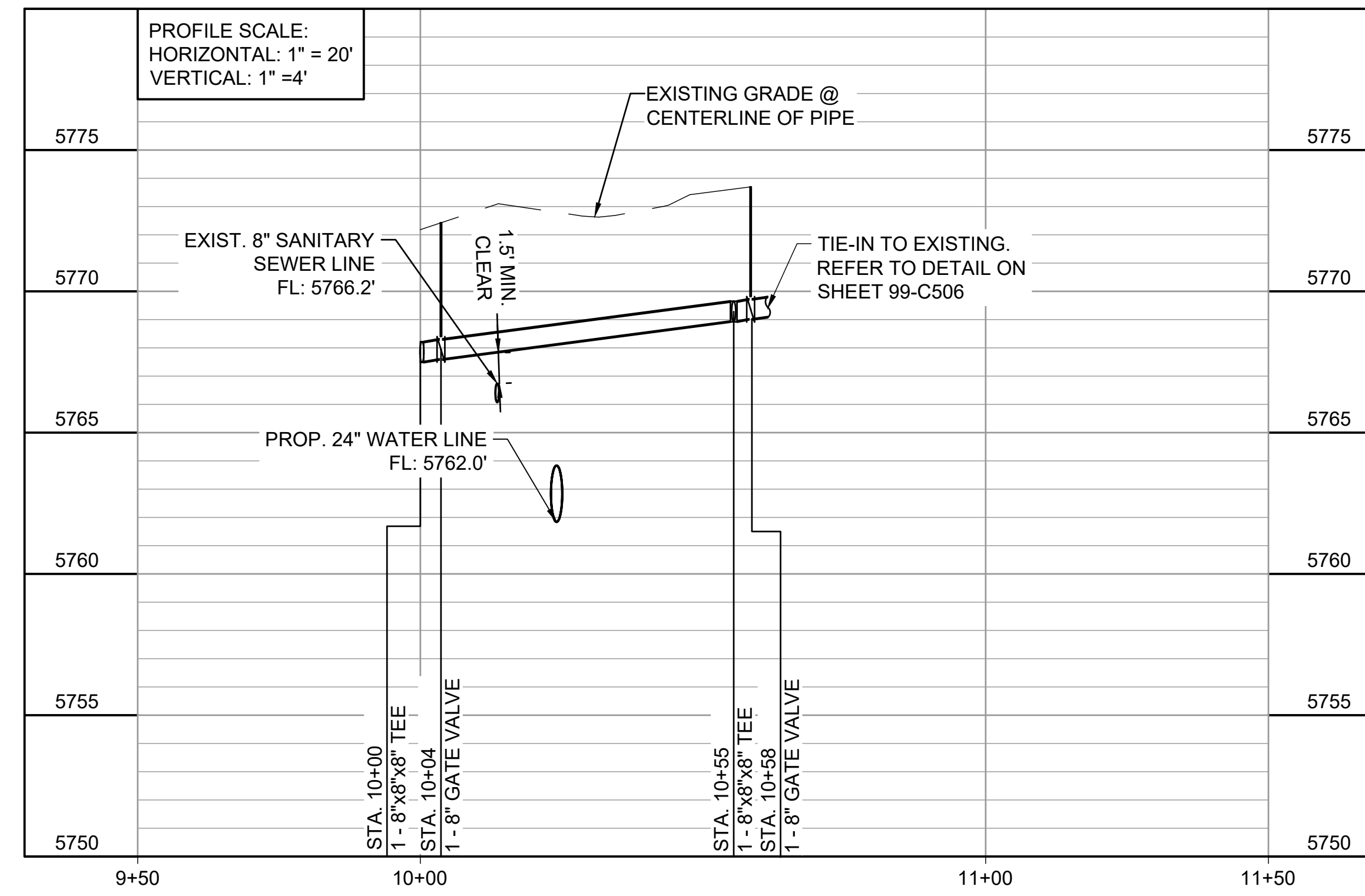
1 WATER LINE CROSSING STA. 10+00 TO STA. 11+50
10-C301 SCALE: 1" = 20'



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



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



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

Per ECM 4.3.6.A.1 water lines shall not be less than 5' deep. Revise sections of the drawings to show pipes less than 5'. This comment applies to all sheets.



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10/05/2022

REV.	DATE	DESCRIPTION	BY

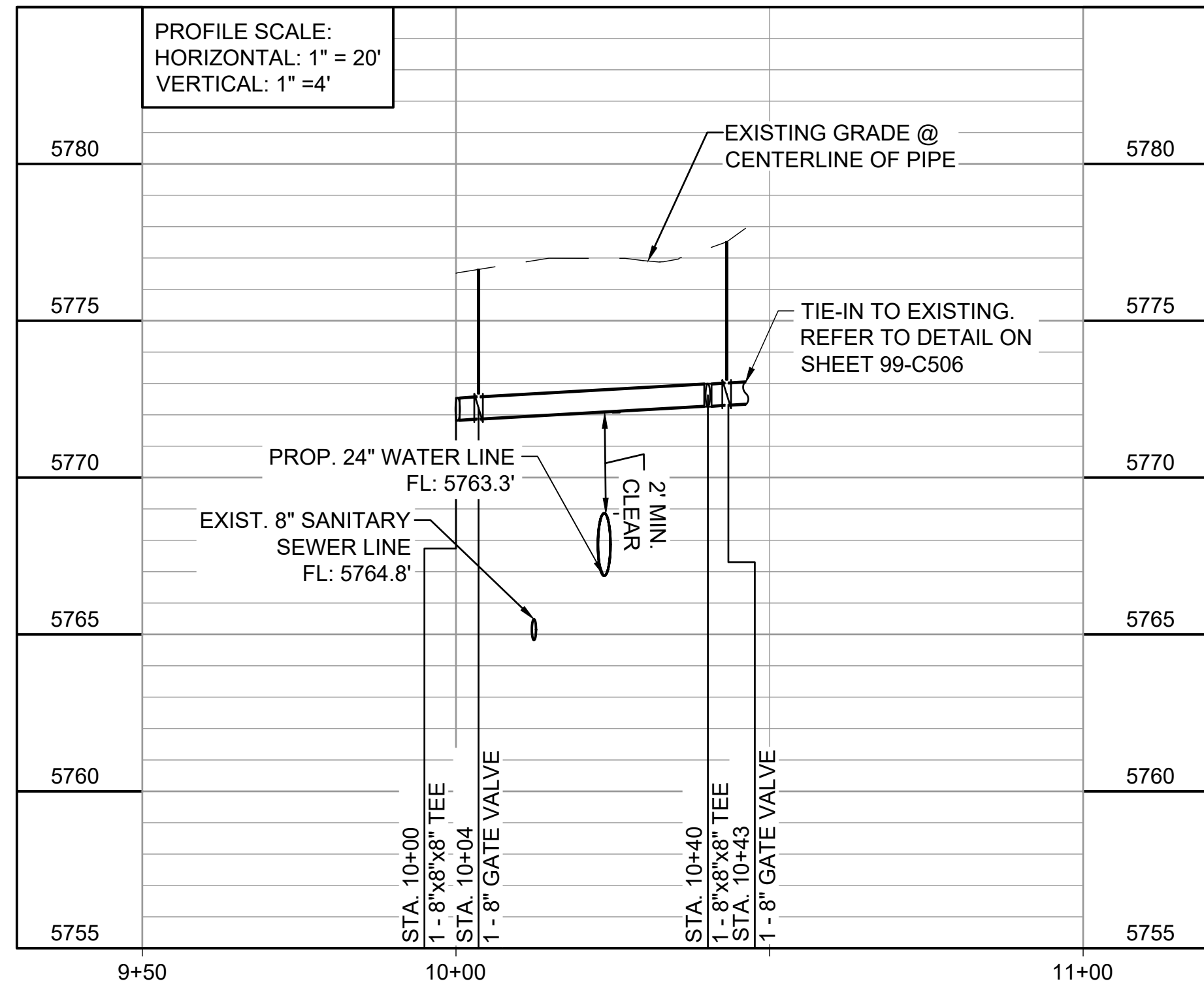
WIDEFIELD WATER AND SANITATION DISTRICT
WIDEFIELD, COLORADO
8" WATER DISTRIBUTION MAIN REPLACEMENT ON METROPOLITAN STREET

WATERLINE LATERALS 1

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

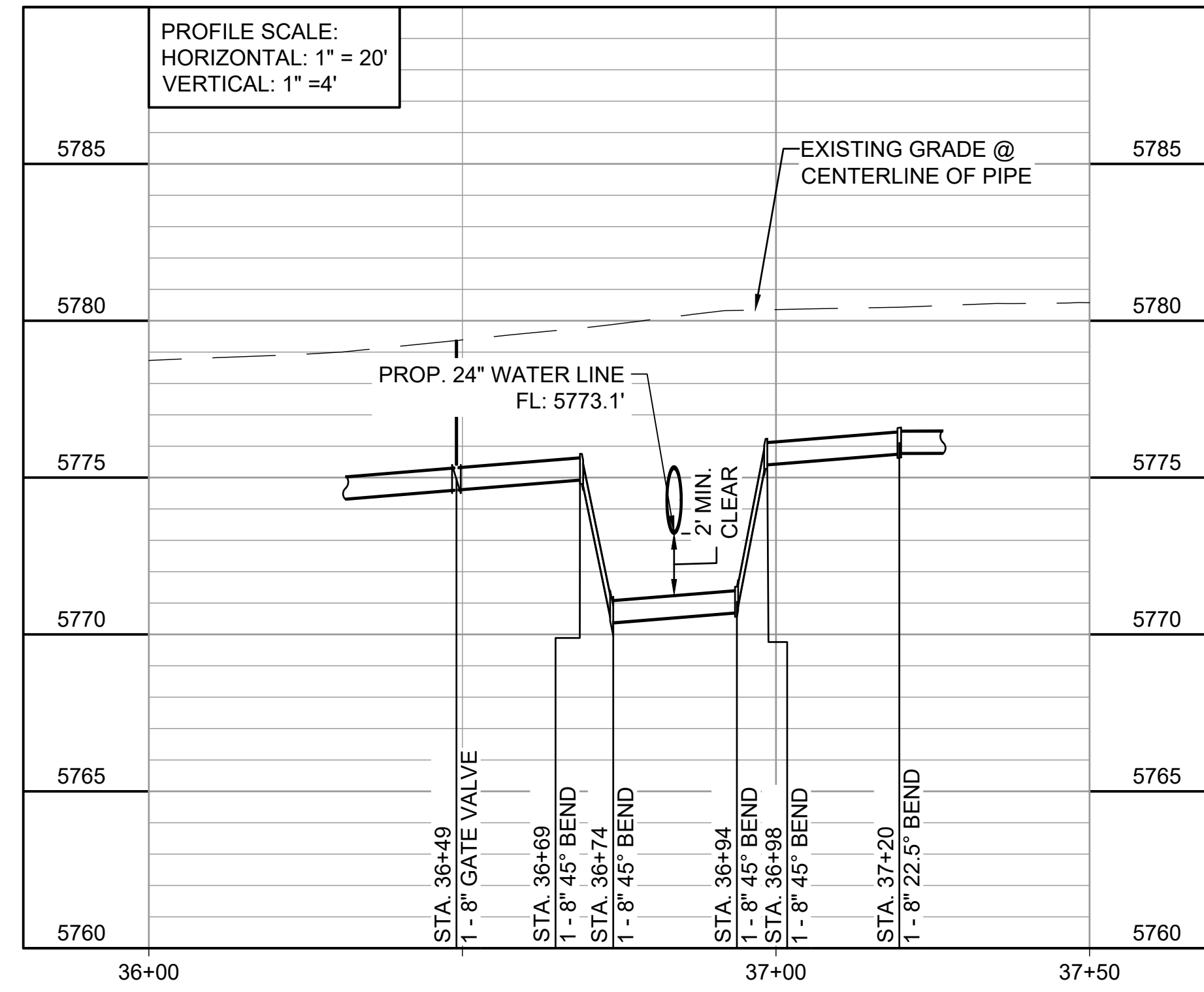
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
DRAWING NUMBER
10-C306
SHEET NUMBER
56

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Last plotted by: Perez, Ulises O Plot Style: AECmon.ctb Plot Date: 10/04/2022 4:37 PM Plotter used: None



1
10-C305 SCALE: 1" = 20'

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



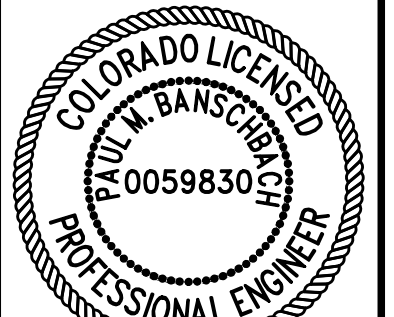
2
10-C305 SCALE: 1" = 20'

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

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



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10/05/2022

REV.	DATE	DESCRIPTION	BY

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

**WATERLINE
LATERALS 2**

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

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

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