CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT



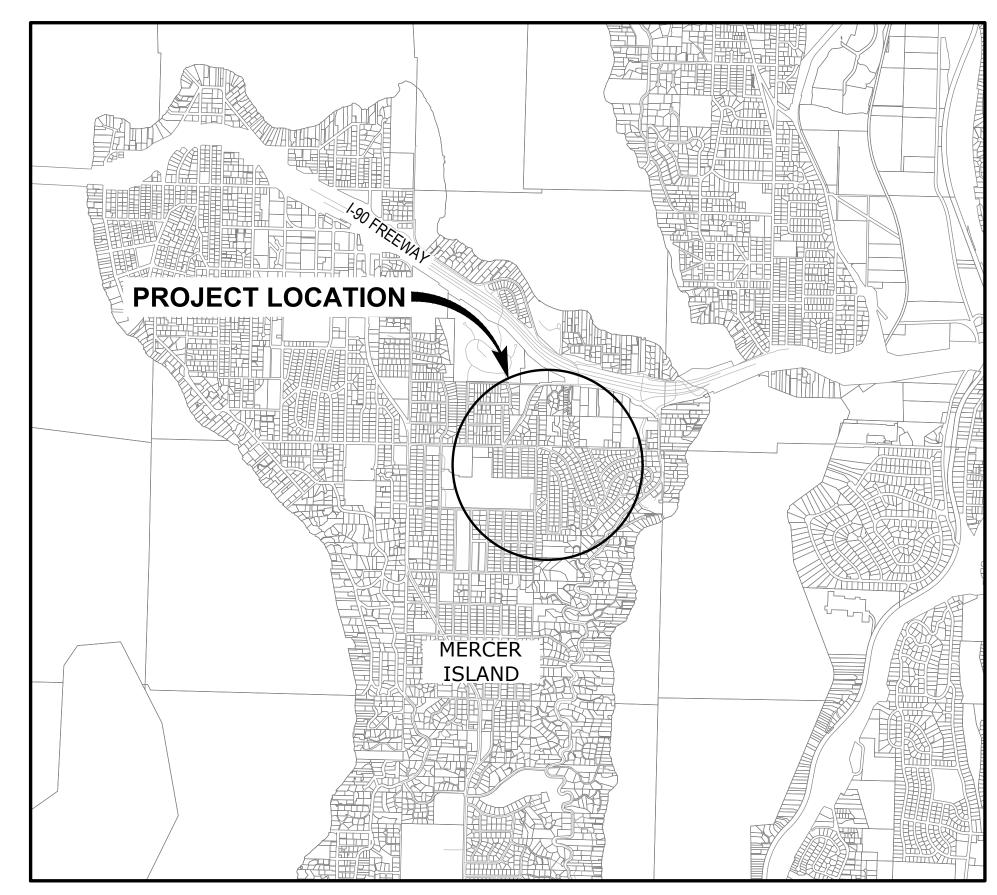
BID SET

PROJECT NO: W232728WA

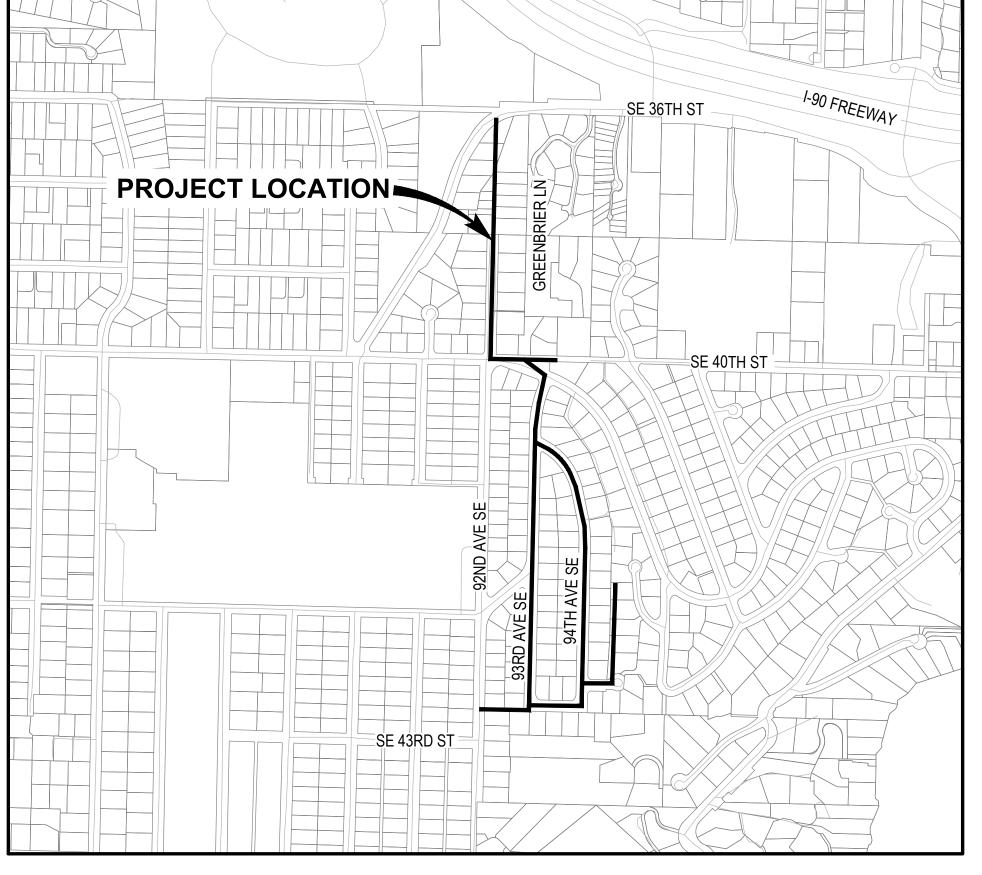
JUNE 2024

BID NO: 24-17





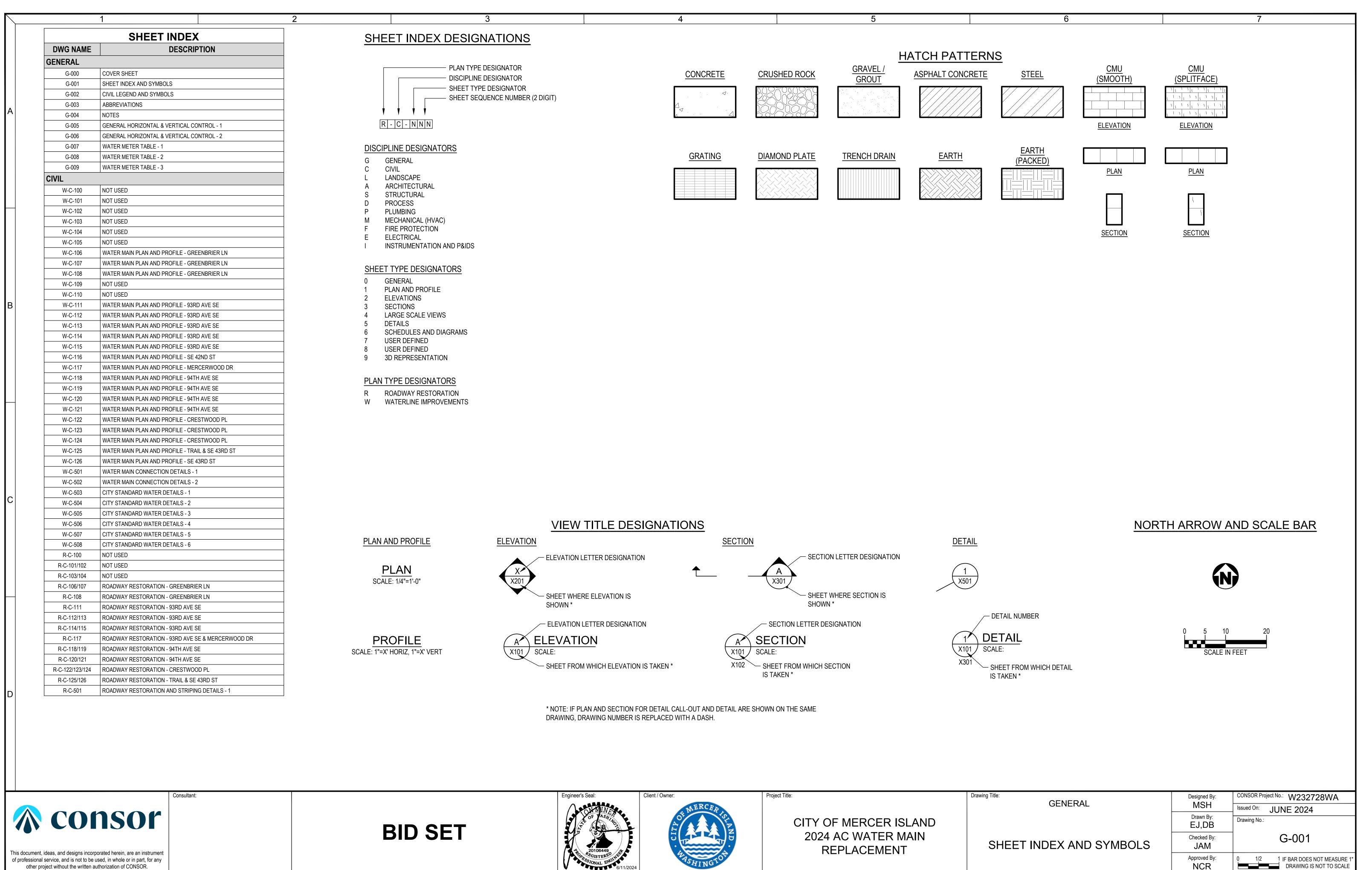






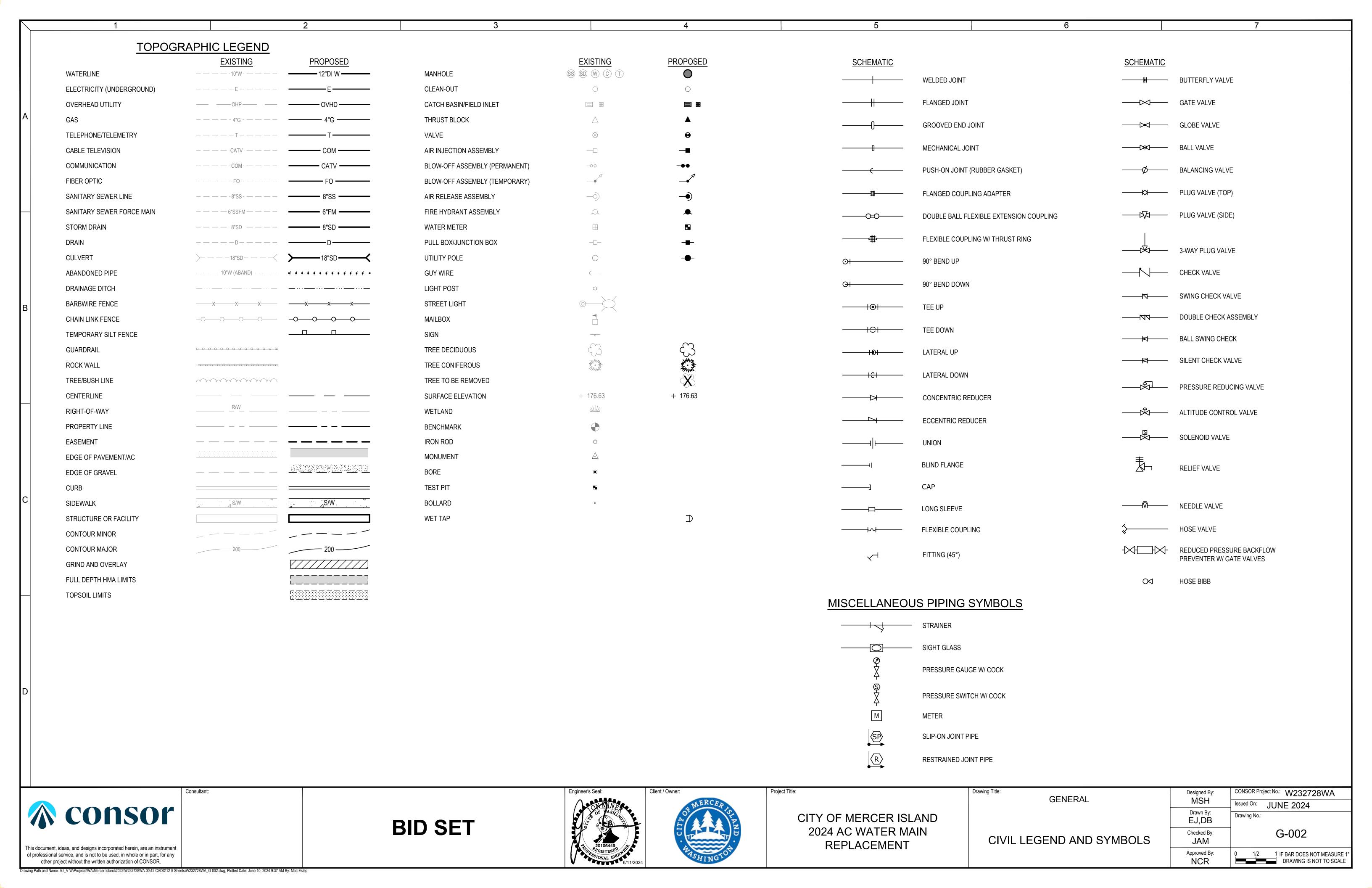






other project without the written authorization of CONSOR.

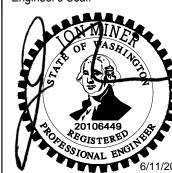
Drawing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_G-001.dwg, Plotted Date: June 10, 2024 9:37 AM By: Matt Estep



	1		2	3		<u></u>	5		6		7
		1	Z CORRUGATER METAL RIPE	<u> </u>		- 4	J	22500	DDECOURE		TEMPORARY COMOTRUCTION FACTATION
(AT	CMP	CORRUGATED METAL PIPE	FLR	FLOOR	KPL	KICK PLATE	PRESS	PRESSURE	TCE	TEMPORARY CONSTRUCTION EASEMENT
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS	CMU CND	CONCRETE MASONRY UNIT CONDUIT	FM FO	FORCE MAIN FIBER OPTIC	KVA KW	KILOVOLT AMPERE KILOWATT	PRKG PROP	PARKING PROPERTY	TDH TEMP	TOTAL DYNAMIC HEAD TEMPERATURE / TEMPORARY
AB	ANCHOR BOLT	CO	CLEANOUT	FOC	FACE OF CONCRETE	KWY	KEYWAY	PRV	PRESSURE REDUCING VALVE	TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
ABAN(D)	ABANDON(ED)	COL	COLUMN	FOF	FACE OF FINISH	IXVV I	KLIWAI	PS	PUMP STATION	T&G	TONGUE & GROOVE
ABS	ACRYLONITRILE BUTADIENE STYRENE	COMB	COMBINATION	FOM	FACE OF MASONRY	L	LENGTH	PSIG	POUNDS PER SQUARE INCH GAUGE	THK	THICK / THICKNESS
ABV	ABOVE / ALCOHOL BY VOLUME	CONC	CONCRETE	FOS	FACE OF STUDS	LAB	LABORATORY	PSL	PIPE SLEEVE	THRD	THREAD (ED)
AC	ASPHALTIC CONCRETE	CONN	CONNECTION	FPM	FEET PER MINUTE	LAV	LAVATORY	PSPT	PIPE SUPPORT	THRU	THROUGH
ACP	ASPHALTIC CONCRETE PAVING	CONST	CONSTRUCTION	FPS	FEET PER SECOND	LB	POUND	PT	POINT OF TANGENCY	TP	TEST PIT / TOP OF PAVEMENT /
A ADJ	ADJUSTABLE	CONT	CONTINUOUS / CONTINUATION	FRP	FIBERGLASS REINFORCED PLASTIC	LF	LINEAR FOOT	PTVC	POINT OF TANGENCY ON VERTICAL		TURNING POINT
ADJC	ADJACENT	CONTR	CONTRACT(OR)	FT	FEET / FOOT	LIN	LINEAL		CURVE		TRANSTRANSITION
AFF	ABOVE FINISHED FLOOR	COORD	COORDINATE	FTG	FOOTING	LN	LANE	PTW	PUMP TO WASTE	TSP	TRI-SODIUM PHOSPHATE
AFG	ABOVE FINISHED GRADE	COP	COPPER	FUT	FUTURE	LOC	LOCATION	PV	PLUG VALVE	TST	TOP OF STEEL
AHR	ANCHOR ALUMINUM	CORP	CORPORATION	FXTR	FIXTURE	LONG LP	LONGITUDINAL LOW PRESSURE	PVC PVMT	POLYVINYL CHLORIDE PAVEMENT	TW TYP	TOP OF WALL TYPICAL
ALT	ALTERNATE	CORR CP	CORRUGATED CONTROL POINT	G	GAS	LPT	LOW POINT	PW	POTABLE WATER	ITF	THICAL
AMP	AMPERE	CPLG	COUPLING	GA GA	GAUGE	LRG	LARGE	PWR	POWER	UG	UNDERGROUND
ANSI	AMERICAN NATIONAL STANDARDS	CPVC	CHLORINATED POLYVINYL CHLORIDE	GAL	GALLON	LS	LONG SLEEVE / LUMP SUM	I WIX	1 OWER	UH	UNIT HEATER
1	INSTITUTE	CR	CRUSHED ROCK	GALV	GALVANIZED	LT	LEFT	QTY	QUANTITY	UN	UNION
APPROX	APPROXIMATE	CS	COMBINED SEWER	GC	GROOVED COUPLING	LVL	LEVEL			UON	UNLESS OTHERWISE NOTED
APPVD	APPROVED	CSP	CONCRETE SEWER PIPE	GFA	GROOVED FLANGE ADAPTER	LWL	LOW WATER LINE	RAD	RADIUS	USGS	UNITED STATES GEOLOGIC SURVEY
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	CT	COURT	Gl	GALVANIZED IRON			RC	REINFORCED CONCRETE		
ARCH	ARCHITECTURAL	CTR	CENTER	GIP	GALVANIZED IRON PIPE	MAN	MANUAL	RCP	REINFORCED CONCRETE PIPE	V	VENT / VOLT
ARV	AIR RELEASE VALVE	CU	CUBIC	GJ	GRIP JOINT	MAT	MATERIAL	RD	ROAD / ROOF DRAIN	VAC	VACUUM
ASCE	AMERICAN SOCIETY OF CIVIL	CULV	CULVERT	GL CLV	GLASS CLORE VALVE	MAX MCC	MAXIMUM MOTOR CONTROL CENTER	RDCR REF	REDUCER	AR AR	VACUUM BREAKER
ASR	ENGINEERS AQUIFER STORAGE & RECOVERY	CW	CONTROL VALVE CLOCKWISE / COLD WATER	GLV GND	GLOBE VALVE GROUND	MCP	MASTER CONTROL PANEL	REINF	REFERENCE REINFORCE(D)(ING)(MENT)	VBOX VC	VALVE BOX VERTICAL CURVE
ASSN	ASSOCIATION	CY	CUBIC YARDS	GPD	GALLONS PER DAY	MECH	MECHANICAL	REQ'D	REQUIRED	VC VERT	VERTICAL CURVE
ASSY	ASSEMBLY	CYL	CYLINDER LOCK	GPH	GALLONS PER HOUR	MET	METAL	RESTR	RESTRAINED	VENT	VARIABLE FREQUENCY DRIVE
ASTM	AMERICAN SOCIETY FOR TESTING			GPM	GALLONS PER MINUTE	MFR	MANUFACTURER	RFCA	RESTRAINED FLANGE COUPLING ADAPTER	VOL	VOLUME
	& MATERIALS	D	DRAIN	GPS	GALLONS PER SECOND	MGD	MILLION GALLONS PER DAY	RM	ROOM	VCP	VITRIFIED CLAY PIPE
ATM	ATMOSPHERE	DC	DIRECT CURRENT	GR	GRADE	MH	MANHOLE	RND	ROUND	VTR	VENT THROUGH ROOF
B AUTO	AUTOMATIC	DEFL	DEFLECTION	GR LN	GRADE LINE	MIN	MINIMUM	RO	ROUGH OPENING		
AUX	AUXILIARY	DEQ	DEPARTMENT OF ENVIRONMENTAL QUALITY	GRTG	GRATING	MIPT	MALE IRON PIPE THREAD	R/W	RIGHT-OF-WAY	W	WATER
AVE	AVENUE	DET	DETAIL	GV	GATE VALVE	MISC	MISCELLANEOUS	RPBA	REDUCED PRESSURE BACKFLOW APPARATUS	W/	WITH
AVG	AVERAGE	DI	DUCTILE IRON	GRVL	GRAVEL	MJ MON	MECHANICAL JOINT MONUMENT / MONOLITHIC	RPM	REVOLUTIONS PER MINUTE	W/IN	WITHIN WITHOUT
AWWA	AMERICAN WATER WORKS ASSOCIATION	DIA DIM	DIAMETER DIMENSION	GYP	GYPSUM	MOT	MOTOR	RR RST	RAILROAD REINFORCED STEEL	W/O W/W	WALL TO WALL
B&S	BELL & SPIGOT	DIR	DIRECTION	НВ	HOSE BIBB	MP	MILEPOST	RT	RIGHT	WD	WOOD
BC	BOLT CIRCLE	DIST	DISTANCE	HC	HOLLOW CORE	MSL	MEAN SEAL LEVEL	NI	NGIII	WF	WIDE FLANGE
BD	BOARD	DN	DOWN	HDPE	HIGH DENSITY POLYETHYLENE	MTD	MOUNTED	SALV	SALVAGE	WH	WATER HEATER
BETW	BETWEEN	DR	DRIVE	HDR	HEADER			SAN	SANITARY	WI	WROUGHT IRON
BF	BOTH FACE	DS	DOWNSPOUT	HDWE	HARDWARE	NA	NOT APPLICABLE	SC	SOLID CORE	WM	WATER METER
- BFD	BACKFLOW PREVENTION DEVICE	DWG	DRAWING	HGR	HANGER	NAVD	NORTH AMERICAN VERTICAL DATUM	SCHED	SCHEDULE	WP	WORKING POINT / WATERPROOFING
BFILL	BACKFILL	DWL	DOWEL	HGT	HEIGHT	NC	NORMALLY CLOSED	SD	STORM DRAIN	WS	WATER SERVICE
BFV	BUTTERFLY VALVE	DWV	DRAIN WASTE AND VENT	HH	HANDHOLD	NF NIO	NEAR FACE	SDL	SADDLE	WT	WEIGHT
BHP	BRAKE HORSEPOWER	DWY	DRIVEWAY	HM	HOLLOW METAL	NIC NO / NO.	NOT IN CONTRACT	SDR	STANDARD DIMENSION RATIO	WTP	WATER TREATMENT PLANT
BKGD BLDG	BACKGROUND BUILDING	E / ELEC	ELECTRICAL	HMAC HNDRL	HOT MIX ASPHALT CONCRETE HANDRAIL	NOT NO.	NORMALLY OPEN / NUMBER NOMINAL	SECT SHLDR	SECTION	WTRT WWF	WATERTIGHT WELDED WIRE FABRIC
BLK	BLOCK	E/ELEC	EACH	HOA	HAND-OFF-AUTO	NORM	NORMAL	SHLDR SHT	SHOULDER SHEET	WWTF	WASTEWATER TREATMENT FACILITY
BLVD	BOULEVARD	ECC	ECCENTRIC	HOR	HAND-OFF-REMOTE	NRS	NON-RISING STEM	SIM	SIMILAR	WWTP	WASTEWATER TREATMENT PLANT
BM	BENCHMARK / BEAM	EF EF	EACH FACE	HORIZ	HORIZONTAL	NTS	NOT TO SCALE	SLP	SLOPE	*****	WASTEWATER TREATMENT FEATURE
ВМР	BEST MANAGEMENT PRACTICES	EL	ELEVATION	HP	HIGH PRESSURE / HORSEPOWER			SLV	SLEEVE	X SECT	CROSS SECTION
ВО	BLOW-OFF	ELB	ELBOW	HPG	HIGH PRESSURE GAS	0 TO 0	OUT TO OUT	SOLN	SOLUTION	XFMR	TRANSFORMER
C BOC	BACK OF CURB	ENCL	ENCLOSURE	HPT	HIGH POINT	OC	ON CENTER	SP	SOIL PIPE / SEWER PIPE		
BS	BOTH SIDES	EOP	EDGE OF PAVEMENT	HR	HOUR	OD	OUTSIDE DIAMETER	SPCL	SPECIAL	YD	YARD DRAIN / YARD
BSMT	BASEMENT	EQ 501 0D	EQUAL	HSB	HIGH STRENGTH BOLT	OF ODNO	OVERFLOW / OUTSIDE FACE	SPEC(S)	SPECIFICATION(S)	YH	YARD HYDRANT
BTU	BOTTOM FACE BRITISH THERMAL UNIT	EQL SP	EQUALLY SPACED	HV HVAC	HOSE VALVE HEATING, VENTILATION, AIR	OPNG OPP	OPENING OPPOSITE	SPG	SPACING	YR	YEAR
BV	BALL VALVE	EQUIP ESMT	EQUIPMENT EASEMENT	пуас	CONDITIONING	ORIG	ORIGINAL	SPL SPRT	SPOOL SUPPORT	ZN	ZINC
BW	BOTH WAYS	EW	EACH WAY	HWL	HIGH WATER LINE	OSHA	OCCUPATIONAL SAFETY AND HEALTH	SPRI	SQUARE] -:`	
	20	EXC	EXCAVATE	HWY	HIGHWAY		ADMINISTRATION	SQ FT	SQUARE FOOT		
С	CELSIUS	EXIST	EXISTING	HYD	HYDRANT	OVHD	OVERHEAD	SQ IN	SQUARE INCH		
СТОС	CENTER TO CENTER	EXP	EXPANSION	HYDR	HYDRAULIC			SQ YD	SQUARE YARD		
CARV	COMBINATION AIR RELEASE VALVE	EXP BT	EXPANSION BOLT	1		P&ID	PROCESS & INSTRUMENTATION	SS	SANITARY SEWER		
CATV	CABLE TELEVISION	EXP JT	EXPANSION JOINT	I&C	INSTRUMENTATION & CONTROL	50	DIAGRAM	SST	STAINLESS STEEL		
CB	CATCH BASIN	EXT	EXTERIOR	IAW	IN ACCORDANCE WITH	PC	POINT OF CURVE	ST	STREET		
CCP CCW	CONCRETE CYLINDER PIPE COUNTER CLOCKWISE	[FAHRENHEIT	ן וב	INSIDE DIAMETER INVERT ELEVATION	PCC PCVC	POINT OF COMPOUND CURVE POINT OF CURVATURE ON	STA STD	STATION		
CDOT	COUNTER CLOCKWISE COLORADO DEPARTMENT OF	F TO F	FACE TO FACE	l iF	INSIDE FACE	1 0 0	VERTICAL CURVE	STL	STANDARD STEEL		
	TRANSPORTATION	FAB	FABRICATE	IMPVT	IMPROVEMENT	PE	PLAIN END	STOR	STORAGE		
CFM	CUBIC FEET PER MINUTE	FB	FLAT BAR	IN	INCH	PERF	PERFORATED	STR	STRAIGHT	1	
CFS	CUBIC FEET PER SECOND	FCA	FLANGED COUPLING ADAPTER	INCC	INCLUDE(D)(ING)	PERM	PERMANENT	STRUCT	STRUCTURE / STRUCTURAL		
CHAN	CHANNEL	FCO	FLOOR CLEANOUT	INFL	INFLUENT	PERP	PERPENDICULAR	SUBMG	SUBMERGED		
CHEM	CHEMICAL			INJ	INJECTION	PG	PRESSURE GAUGE	SUCT	SUCTION		
CHFR	CHAMFER	FD	FLOOR DRAIN	INSTL	INSTALLATION	PH	PIPE HANGER	SV	SOLENOID VALVE		
CHKV	CHECK VALVE	FDN	FOUNDATION FIRE EXTINGUISHED	INSUL INTER	INSULATION	PIVC	POINT OF INTERSECTION POINT OF INTERSECTION ON	S/W	SIDEWALK	1	
CIP	CAST IRON CAST IRON PIPE	FEXT FF	FIRE EXTINGUISHER FINISHED FLOOR / FAR FACE	INTER	INTERCEPTOR INTERIOR	1100	VERTICAL CURVE	SWD SWGR	SIDEWATER DEPTH SWITCH GEAR		
CIPC	CAST INON FIFE CAST IN PLACE CONCRETE	FGL	FIBERGLASS	INV	INVERT	PL OR P/L	PROPERTY LINE / PLATE / PLASTIC	SYMM	SYMMETRICAL		
CISP	CAST IRON SOIL PIPE	FH	FIRE HYDRANT	I IP	IRON PIPE	PLBG	PLUMBING	SYS	SYSTEM		
CJ	CONSTRUCTION JOINT	FIN	FINISH(ED)	IPT	IRON PIPE THREAD	PNL	PANEL	T OR TEL	TELEPHONE		
CL OR C/L	CENTER LINE	FIPT	FEMALE IRON PIPE THREAD	l IR	IRON ROD	POC	POINT OF CURVATURE	T&B	TOP & BOTTOM		
CL2	CHLORINE	FITG	FITTING	IRRIG	IRRIGATION	POLY	POLYETHYLENE	TAN	TANGENCY		
CLG	CEILING	FL	FLOOR LINE		IOINIT	PP DDC	POWER POLE / PURPLE PIPE	TB	THRUST BLOCK	1	
CLJ	CONTROL JOINT	FLEX	FLEXIBLE	JI	JOINT	PRC PRCST	POINT OF REVERSE CURVATURE	TBA	TO BE ABANDONED		
CLR	CLEAR CONTROLLED LOW STRENGTH MATERIAL	FLG FLL	FLANGE FLOW LINE	JUNC	JUNCTION	PRES	PRECAST PREPARATION	TBM	TEMPORARY BENCHMARK	1	
CLSM	CONTROLLED LOW STRENGTH MATERIAL							TC	TOP OF CONCRETE / TOP OF CURB		
	Consultant: Designed By: CONSOR Project No.: W232728WA										
						MERC	ED.		GENERAL		MSH Issued On: JUNE 2024
	consor				OF VASE	OF M		D 10:			Drawn By: JUNE 2024
	LUIISUI				I FIRE L	A	CITY OF MERCE	.K ISLAN[)		EJ,DB Drawing No.:
			BID SE	- 1	ME CENTER !		2024 AC WATE				Object to D

This document, ideas, and designs incorporated herein, are an instrument of professional service, and is not to be used, in whole or in part, for any other project without the written authorization of CONSOR.

BID SET





2024 AC WATER MAIN REPLACEMENT

ABBREVIATIONS

G-003 Checked By: JAM 0 1/2 1 IF BAR DOES NOT MEASURE 1 DRAWING IS NOT TO SCALE Approved By: NCR

- 2. ALL WORK SHALL COMPLY WITH THE CURRENT LOCAL AGENCY STANDARDS AND REQUIREMENTS 3. THE CONTRACTOR SHALL SCHEDULE WORK IN SUCH A MANNER AS TO AVOID UNNECESSARY INCONVENIENCE TO
- THE OWNER OR THE PUBLIC. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL SURVEY MONUMENTS AND CORNER MARKERS. SURVEY MONUMENTS AND PROPERTY CORNER MARKERS DAMAGED BY CONSTRUCTION ACTIVITIES
- SHALL BE REESTABLISHED BY A REGISTERED PROFESSIONAL SURVEYOR LICENSED IN THE STATE IN WHICH THE WORK IS BEING PERFORMED. CONTRACTOR SHALL NOTIFY SURVEYOR 1 WEEK IN ADVANCE OF DISTURBING MONUMENT.
- 5. CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A SAFE, NEAT, AND WORKMANLIKE MANNER AT ALL TIMES. JOB SITE SAFETY SHALL NOT BE COMPROMISED.
- 6. DIMENSIONS TO STRUCTURES, REFERENCED PIPING, PAVING, AND OTHER IMPROVEMENTS ARE APPROXIMATE THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS 14 DAYS IN ADVANCE OF THE CONSTRUCTION PROGRESS.
- 7. STRUCTURES SUCH AS CURBS AND GUTTERS, CONCRETE AND ASPHALT DRIVES AND WALKWAYS, PAVING BRICKS FENCING, RETAINING WALLS, SIGNS, POSTS, MARKERS, ETC., CROSSED BY A UTILITY THAT ARE NOT INDICATED IN THE PLANS SHALL BE RESTORED BY THE CONTRACTOR TO PRECONSTRUCTION CONDITIONS
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING ROADS, BUILDINGS, OR OTHER STRUCTURES RESULTING FROM THE CONTRACTOR'S CONSTRUCTION ACTIVITIES. REPAIRS SHALL BE MADE TO PRECONSTRUCTION CONDITIONS.
- 9. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS REQUIRED TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING STAGING AREAS REQUIRED TO PERFORM THE
- 11. THE CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS TO ALL ADJOINING PROPERTIES ACCESSIBLE TO THE PUBLIC AND EMERGENCY VEHICLES. DESIGNS FOR MAINTAINING ACCESS WILL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE CONTROLLING AGENCY FOR THE REVIEW AND APPROVAL
- 12. CONTRACTOR SHALL COMPLY WITH THE TRENCH PLATE REQUIREMENTS OF THE GOVERNING JURISDICTION. IF TRENCH PLATE REQUIREMENTS ARE NOT SPECIFIED, THE CONTRACTOR SHALL APPLY SKID RESISTANT COATING ON THE TRENCH PLATES AND COLD MIX ASPHALT CONCRETE TO THE EDGES. THE TRENCH PLATES SHALL BE NOTCHED INTO THE ASPHALT CONCRETE OR TRAVELED SURFACE TO PREVENT SLIPPAGE AND ROCKING UNDER TRAFFIC.
- 13. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, COUNTY, AND LOCAL LAWS AND ORDINANCES RELATING TO THE SAFETY AND CHARACTER OF WORK, EQUIPMENT, AND PERSONNEL. THIS INCLUDES, BUT IS NOT LIMITED TO SHEETING, SHORING, BRACING, VENTILATION, CONFORMANCE WITH TRAFFIC CONTROL AND MAINTENANCE OF BARRICADES AND WARNING DEVICES.
- 14. CONTRACTOR SHALL KEEP COMPLETE AND ACCURATE RECORD DRAWINGS OF THE WORK, UTILITY POTHOLE DATA, AND EXISTING CONDITIONS THAT HAVE CHANGED OR ARE DIFFERENT THAN SHOWN ON THE PLANS. UPON COMPLETION OF THE WORK, THE CONTRACTORS RECORD DRAWINGS SHALL BE SUBMITTED TO THE OWNER.
- 15. CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL STORM DRAIN PIPES, STORM WATER FEATURES, OR DRAINAGE FACILITIES FROM DAMAGE DURING ALL STAGES OF CONSTRUCTION.
- 16. ALL EXISTING PAVEMENT MARKINGS AND SIGNAGE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY CONTRACTOR AT NO EXPENSE TO OWNER.
- 17. CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING THE WATER FOR ALL PROJECT-RELATED ACTIVITIES INCLUDING BUT NOT LIMITED TO CONSTRUCTION, DUST CONTROL, TESTING, AND DISINFECTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING WITH OWNER TO TAP EXISTING MAINS AND BRINGING WATER TO THE SITE.
- 18. CONTRACTOR WILL BE RESPONSIBLE FOR DEVELOPMENT OF A CONSTRUCTION STORMWATER POLLUTION PREVENTION PROGRAM. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE CONSTRUCTION PERMIT AND COMPLYING WITH ALL ASPECTS OF THE PERMIT.
- 19. NO POWER IS CURRENTLY AVAILABLE AT THE SITE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL POWER NEEDED FOR CONSTRUCTION.
- 20. THE CONTRACTOR SHALL RESTORE THE SITE GRADING AND DRAINAGE TO PRECONSTRUCTION CONDITIONS.
- 21. THE LOCATION OF THE PAVEMENT RESTORATION SHOWN IS APPROXIMATE ONLY AND THE EXACT LOCATION SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION INSPECTOR DURING CONSTRUCTION.
- 22. CONTRACTOR IS RESPONSIBLE FOR BARRICADES AND SIGNS OR OTHER NOTIFICATIONS AS APPROPRIATE IN ORDER TO ENSURE THAT RESIDENTS REMOVE AUTOMOBILES OR OTHER OBSTRUCTIONS FROM THE ROAD PRIOR TO PAVEMENT RESTORATION.

GENERAL PIPELINE NOTES:

- 1. ALL OPEN TRENCHES, WORK AREA, AND SHAFTS SHALL BE SLOPED OR HAVE A SHORING SYSTEM IN ACCORDANCE WITH OSHA, STATE, AND LOCAL REQUIREMENTS.
- 2. SCHEDULE TIE-INS IN ACCORDANCE WITH THE SEQUENCING REQUIREMENTS OF THE CONTRACT. SCHEDULE AND COORDINATE TIE-INS AROUND THE OWNER'S OPERATIONAL REQUIREMENT AND LIMITATION.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR REQUIRED INSPECTION. THE PRESENCE OR ABSENCE OF THE INSPECTOR WILL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE PROPER PERFORMANCE OF THE WORK.

TRAFFIC CONTROL NOTES:

TRANSIT OPERATIONS.

- 1. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE CITY OF MERCER ISLAND 2 WEEKS PRIOR TO BEGINNING CONSTRUCTION.
- 2. ALL TRAFFIC CONTROL SHALL BE COORDINATED WITH THE CITY OF MERCER ISLAND.

wing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_G-004.dwg, Plotted Date: June 10, 2024 9:38 AM By: Matt Estep

- 3. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES STANDARDS. 4. CONTRACTOR SHALL NOTIFY KING COUNTY METRO AT 206-684-2732 SEVEN DAYS IN ADVANCE OF ANY IMPACT TO
- 5. THE CONTRACTOR SHALL PROVIDE EMERGENCY VEHICLE ACCESS TO ALL PROPERTIES ADJACENT TO THE PROJECT AT ALL TIMES.

EXISTING UTILITY NOTES

- 1. UTILITY LOCATIONS SHOWN ON PLANS ARE CONSIDERED APPROXIMATE ONLY. WHERE UTILITY ELEVATIONS ARE NOTED AS XXX.XX IN THE PLANS. CONTRACTOR WILL BE PAID UNDER ITEM UTILITY POTHOLE
- 2. THE CONTRACTOR SHALL VERIFY LOCATION AND DEPTHS OF EXISTING UTILITIES BY CONTACTING ALL UTILITIES, AGENCIES, AND SUBSURFACE UTILITY LOCATING SERVICES (811). THE CONTRACTOR TO LOCATE EXISTING UTILITIES BY POTHOLING AT LEAST 500' AHEAD OF THE PIPE LAYING OPERATION TO ALLOW THE REQUIRED CLEARANCES TO BE ACHIEVED BY DEFLECTING THE WATER LINE AT THE JOINTS. IN ADVANCE OF EXCAVATION, CONTRACTOR SHALL USE ALL EXISTING UTILITIES AND STRUCTURES ADJACENT TO THE WORK AREA, WHETHER INDICATED ON THE DRAWINGS OR NOT. SURVEY AND ACCURATELY RECORD THE LOCATIONS AND ELEVATIONS OF THE UTILITY CROSSINGS ON THE RECORD DRAWINGS. PREPARE AND SUBMIT THE UTILITY FIELD SURVEY INFORMATION TO THE OWNER FOR REVIEW ON A MONTHLY BASIS DURING THE COURSE OF CONSTRUCTION. SUBMITTAL SHALL INCLUDE UTILITIES SURVEYED THAT MONTH AND ASSOCIATED VERTICAL ELEVATIONS AND HORIZONTAL LOCATIONS (NORTHING AND EASTING COORDINATES) AND A LIST OF UTILITIES SURVEYED TO DATE. ALL COMPILED IN MICROSOFT EXCEL SPREADSHEET FORMAT. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE UTILITY AGENCY THE PROTECTION, REMOVAL, RECONSTRUCTION, AND/OR RECONNECTION OF EXISTING FACILITIES AS REQUIRED TO COMPLETE THE WORK. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IMMEDIATELY OF ANY POTENTIAL UTILITY CONFLICTS.
- 3. SUPPORT ALL EXISTING UTILITIES AT CROSSING LOCATIONS. PROTECT EXISTING UTILITIES RUNNING PARALLEL TO CONSTRUCTED TRENCHES FROM DAMAGE CAUSED BY THE REMOVAL OF ADJACENT MATERIALS.
- 4. SOME UTILITY SERVICES MAY NOT BE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO LOCATE AND PROTECT SERVICE DURING CONSTRUCTION.
- 5. PRIOR TO CONSTRUCTION OF ANY NEW PIPELINE THAT TIES INTO AN EXISTING UTILITY, EXPOSE AND VERIFY LOCATION AND ELEVATION OF THE TIE-IN POINT. CONFIRM THE EXISTING PIPE MATERIAL AND ANY OTHER INFORMATION REQUIRED BY THE DRAWINGS. SURVEY AND ACCURATELY RECORD THE LOCATION AND ELEVATION OF THE TIE-IN POINT ON THE RECORD DRAWINGS.
- 6. BEFORE CONSTRUCTION IS STARTED, CONTRACTOR SHALL COORDINATE WITH THE OWNER OF EACH UTILITY AND DEFINE THE REQUIREMENTS AND METHODS TO ACCOMMODATE THE PROTECTION, TEMPORARY SUPPORT ADJUSTMENT, OR RELOCATION OF ANY UTILITIES AFFECTED BY THE PROPOSED WORK.
- 7. CONTRACTOR IS RESPONSIBLE FOR COSTS INCURRED AS A RESULT OF UTILITY RELOCATIONS PERFORMED FOR THE CONTRACTOR'S CONVENIENCE.
- 8. THE SEATTLE PUBLIC UTILITY (SPU) MAIN IS A MAJOR SYSTEM COMPONENT FOR THE CITY OF MERCER ISLAND. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN CROSSING AND WORKING WITHIN 50' OF THE MAIN. IT IS RECOMMENDED THAT IMPROVEMENTS WITHIN 50 OF THE MAIN BE CONDUCTED OUTSIDE OF THE PEAK DEMANDS IN THE THREE SUMMER MONTHS. CONTRACTOR SHOULD SPECIFICALLY NOTE DATES OF ANTICIPATED WORK IN THE SCHEDULE AT THE PROJECT KICKOFF MEETING. DUE TO THE IMPORTANCE OF THE MAIN, THE CONTRACTOR SHALL PROVIDE SETTLEMENT MONITORING IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND WHERE NOTED IN THE PLANS.

PROTECTION OF PRIVATE PROPERTY AND LANDSCAPE RESTORATION NOTES

- 1. THE CONTRACTOR SHALL PROTECT PRIVATE OR PUBLIC PROPERTY ON OR IN THE VICINITY OF THE WORK SITE. THE CONTRACTOR SHALL ENSURE THAT IT IS NOT REMOVED, DAMAGED, DESTROYED, OR PREVENTED FROM BEING USED UNLESS THE CONTRACT SO SPECIFIES. PROPERTY INCLUDES CURBS. GUTTERS. SIDEWALK. EQUIPMENT, LAND, UTILITIES, TREES, LANDSCAPING, IMPROVEMENTS ON THE RIGHT OF WAY, MARKERS MONUMENTS, BUILDINGS, STRUCTURES, PIPE, CONDUIT, SEWER OR WATER LINES, SIGNS, AND OTHER PROPERTY OF ALL DESCRIPTION WHETHER SHOWN ON THE PLANS OR NOT.
- 2. IF THE ENGINEER ORDERS, OR IF OTHERWISE NECESSARY, THE CONTRACTOR SHALL INSTALL PROTECTION, ACCEPTABLE TO THE ENGINEER, FOR PROPERTY SUCH AS THAT LISTED PREVIOUSLY. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL PROPERTY THAT IS SUBJECT TO DAMAGE BY THE CONSTRUCTION OPERATION. IF THE CONTRACTOR (OR AGENTS/EMPLOYEES OF THE CONTRACTOR) DAMAGE DESTROY, OR INTERFERE WITH THE USE OF SUCH PROPERTY, THE CONTRACTOR SHALL RESTORE IT TO ORIGINAL CONDITION AT NO COST TO THE CONTRACTING AGENCY. THE CONTRACTOR SHALL ALSO HALT ALL INTERFERENCE WITH THE PROPERTY'S USE. IF THE CONTRACTOR REFUSES OR DOES NOT RESPOND IMMEDIATELY, THE ENGINEER MAY HAVE SUCH PROPERTY RESTORED BY OTHER MEANS AND SUBTRACT THE COST FROM MONEY THAT WILL BE OR IS DUE THE CONTRACTOR. IF THERE ARE INSUFFICIENT FUNDS REMAINING, EXCLUDING RETENTION, THE CONTRACTOR SHALL PAY CITY FOR THE COSTS ASSOCIATED WITH PROTECTION AND REPAIRING THE DAMAGES.
- 3. ALL EXISTING TREES AND OTHER VEGETATION OUTSIDE OF THE RESTORATION LIMITS SHOWN IN THE PLANS OR DESIGNATED BY THE ENGINEER, SHALL BE SAVED AND PROTECTED THROUGH THE LIFE OF THE CONTRACT. DAMAGE WHICH MAY REQUIRE REPLACEMENT OF VEGETATION INCLUDES TORN BARK STRIPPING, BROKEN BRANCHES, EXPOSED ROOT SYSTEMS, CUT ROOT SYSTEMS, POISONED ROOT SYSTEMS, COMPACTION OF SURFACE SOIL AND ROOTS, PUNCTURE WOUNDS, DRASTIC REDUCTION OF SURFACE ROOTS OR LEAF CANOPY. CHANGES IN GRADE GREATER THAN 6 INCHES, OR OTHER CHANGES TO THE LOCATION THAT MAY JEOPARDIZE THE SURVIVAL OR HEALTH OF THE VEGETATION TO BE PRESERVED.
- 4. WHEN LARGE ROOTS OF TREES DESIGNATED TO BE SAVED ARE EXPOSED BY THE CONTRACTOR'S OPERATION, THEY SHALL BE WRAPPED WITH HEAVY, MOIST MATERIAL, SUCH AS BURLAP OR CANVAS, FOR PROTECTION AND TO PREVENT EXCESSIVE DRYING. THE MATERIAL SHALL BE KEPT MOIST AND SECURELY FASTENED UNTIL THE ROOTS ARE COVERED TO FINISH GRADE. ALL MATERIAL AND FASTENING MATERIAL SHALL BE REMOVED FROM THE ROOTS BEFORE COVERING. ALL ROOTS 1 INCH OR LARGER IN DIAMETER. THAT ARE DAMAGED. SHALL BE PRUNED WITH A SHARP SAW OR PRUNING SHEAR. DAMAGED, TORN, OR RIPPED BARK SHALL BE REMOVED AS ORDERED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACTING AGENCY.
- 5. PRUNING ACTIVITY REQUIRED TO COMPLETE THE WORK AS SPECIFIED SHALL BE PERFORMED BY A CERTIFIED ARBORIST AT THE DIRECTION OF THE ENGINEER. IF DUE TO, OR FOR REASONS RELATED TO THE CONTRACTOR'S OPERATION, TREES, SHRUBS, GROUND COVER OR HERBACEOUS VEGETATION DESIGNATED TO BE SAVED IS DESTROYED, DISFIGURED, OR DAMAGED TO THE EXTENT THAT CONTINUED LIFE IS QUESTIONABLE AS DETERMINED BY THE ENGINEER, IT SHALL BE REMOVED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR WILL BE ASSESSED DAMAGES EQUAL TO TRIPLE THE VALUE OF THE VEGETATION AS DETERMINED IN THE GUIDE FOR PLANT APPRAISAL, CURRENT EDITION, PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE OR THE ESTIMATED COST OF RESTORATION WITH A SIMILAR SPECIES. SHRUB, GROUND COVER, AND HERBACEOUS PLANT VALUES WILL BE DETERMINED USING THE COST OF CURE METHOD. DAMAGE SO ASSESSED WILL BE DEDUCTED FROM THE MONIES DUE OR THAT MAY BECOME DUE THE CONTRACTOR.
- 6. ALL TRENCHED AREAS OUTSIDE OF PAVEMENT, SIDEWALK, AND OTHER HARDSCAPED AREAS SHALL HAVE THE TOP 6 INCHES OF THE BACKFILL BE OF TOPSOIL MATERIAL OR THE FIRST 6 INCHES OF MATERIAL REMOVED IN THE EXCAVATION. AREAS DENOTED AS HAVING TOP SOIL RESTORATION IN THE PLAN SET SHALL BE RESTORED TO THE EXISTING CONDITION. HYDROSEEDING, BARK MULCH OR OTHER ITEMS IDENTIFIED BY THE ENGINEER OR INSPECTOR SHOULD BE CONSIDERED INCIDENTAL TO THE RESTORATION ITEM NOTED AS TOP SOIL.

WATER NOTES

- ALL MATERIAL FOR WATER DISTRIBUTION SHALL BE NEW
- PIPE 4" AND LARGER SHALL BE D.I.P CL. 52 CONFORMING TO AWWA C151 WITH CEMENT MORTAR LINING CONFORMING TO AWWA C-104. UNLESS OTHERWISE NOTED. JOINTS SHALL B EMECHANICAL OR SLIP JOINT.
- ALL FITTINGS SHALL BE DUCTILE IRON CONFORMING TO AWWA C-110 AND C-111, OR AWWA C-153. AND SHALL BE CEMENT MORTAR LINED CONFORMING TO AWWA C-104. MECHANINCAL RESTRAINT (MEGALUG OR APPROVED EQUAL) SHALL BE USED AT ALL FITTINGS. THRUST BLOCKING ALSO REQUIRED WHERE INDICATED ON THE PLANS.
- PRIOR TO LAYING PIPE, THE CONTRACTOR SHALL:
- A. IN THE PRESENCE OF THE CONSTRUCTION INSPECTOR, EXPOSE THE EXISTING WATER MAIN TO DETERMINE ITS ELEVATION AND ALIGNMENT.
- B. PROVIDE ALL STAKING REQUIRED TO DEFINE THE ALIGNMENT AND ELEVATIONS OF THE WATER MAIN IN CONFORMANCE WITH THE APPROVED PLAN. THE SURVEYS SHALL BE PERFORMED BY A SURVEYOR LICENSED BY THE STATE OF WASHINGTON. ALL REFERENCE MARKS SHALL BE PRESERVED DURING CONSTRUCTION. A GRADE SHEET, IN ACCEPTABLE FORMAT, SHALL BE PROVIDED PRIOR TO BEGINNING WORK
- 5. CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR EXISTING CHARGED WATER MAINS AND FORCE SEWER MAINS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL DUCTILE IRON PIPE IN PLACE OF ANY OTHER SANITARY SEWER PIPE MATERIAL WHERE SANITARY SEWERS ARE LOCATED ABOVE AND ANY CLOSER THAN 10 FEET, OR CROSS OVER ANY WATER LINE
- 7. ALL WATER MAINS SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. ALL PRESSURE TESTING SHALL BE DONE IN THE PRESENCE OF THE CONSTRUCTION INSPECTOR. THE CONTRACTOR IS TO PROVIDE PLUGS AND TEMPORARY BLOWOFF ASSEMBLIES FOR PRESSURE TESTING AND DISINFECTION. A SATISFACTORY LAB RESULT FOR THE WATER SAMPLES COLLECTED AFTER THE FLUSHING SHALL BE RECEIVED BY THE CITY PRIOR TO PUTTING THE MAIN INTO SERVICE.
- 8. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS ISSUED FOR THIS PROJECT.
- THRUST BLOCKING SHALL BE PROVIDED FOR ALL TEES, BENDS, CAPS, DEAD-ENDS, AND CROSSES, AND SHALL COMPLY WITH CITY OF MERCER ISLAND STANDARD DETAIL W-5A UNLESS SPECIFICALLY CALLED OUT ON THE PLANS THAT BLOCKING IS NOT REQUIRED. IF CONFLICTING UTILITIES PREVENT THE USE OF A THRUST BLOCK IN COMPLIANCE WITH THE STANDARD DETAIL, THE CONTRACTOR SHALL INSTALL ROMAGRIPS OR FIELD LOC GASKETS, AS REQUIRED BY THE ENGINEER.
- 10. WATER MAIN SHUT-OFF SHALL BE COORDINATED WITH THE CITY OF MERCER ISLAND. 21 DAYS
- ADVANCED NOTICE IS REQUIRED. REFER TO SPECIFICATION SECTIONS 7-09(19)A AND 7-09.3(19)B. 11. ALL WATER SERVICE PIPING MUST BE INSPECTED PRIOR TO BACKFILLING TRENCH
- 12. WATER SERVICE INSTALLATION SHALL BE IN ACCORDANCE WITH THE CITY OF MERCER ISLAND SPECIFICATIONS SECTION 7-15, STANDARD DETAILS W-13, W-14, AND W-14A, AND APPLICABLE WSDOT STANDARDS.
- 13. PROVIDE FITTINGS, BENDS, AND BLOCKING AS REQUIRED TO MAKE SERVICE CONNECTION.
- PROVIDE ALL GATE VALVES WITH WATER VALVE BOXES PER MERCER ISLAND STANDARD DETAILS W-7 AND W-8. IF REQUIRED, INSTALL WATER VALVE EXTENSIONS PER MERCER ISLAND STANDARD DETAIL W-9.
- 15. FIRE HYDRANT INSTALLATION SHALL BE IN ACCORDANCE WITH THE CITY OF MERCER ISLAND SPECIFICATIONS SECTION 7-14 AND STANDARD DETAIL W-24. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES TO DETERMINE THE REQUIRED HYDRANT BURY DEPTH TO INSTALL HYDRANTS WITHOUT USING VERTICAL BENDS. THIS POTHOLING SHALL BE DONE EARLY ENOUGH TO ALLOW PROPER DEPTH HYDRANTS TO BE ORDERED.
- A TEMPORARY HYDRANT METER AND BACKFLOW DEVICE ARE REQUIRED PER SPECIFICATION SECTION 7-00.1 WHEN USING CITY WATER FOR CONSTRUCTION. INCLUDING FLUSHING THE MAIN TESTING OF BACKFLOW DEVICE SHALL BE DONE AT THE CONTRACTORS EXPENSE.
- 17. WHEN FLUSHING THE MAIN, DISCHARGED WATER MUST BE DRAINED INTO THE SANITARY SEWER SYSTEM. THIS DISCHARGE MUST BE COORDINATED WITH THE CITY UTILITIES MANAGER.
- 18. ANY REMOVED FIRE HYDRANTS, VALVES, SETTERS, AND OTHER METER HARDWARE SHALL BE RETURNED TO THE CITY STORAGE YARD AS SALVAGE. THE CITY WILL SUPPLY NEW METERS.
- 19. ABANDON EXISTING WATER SERVICE IN PLACE WHERE NEW 1" THROUGH 2" SERVICE LINES ARE INSTALLED. TURN OFF CORP STOP TO ABANDON SERVICE AT METER. ROLL OVER ON SIDE AND BURY ABANDONED SERVICE.
- 20. MAXIMUM PIPE DEFLECTION AT JOINTS SHALL BE HALF THE MANUFACTURER'S ALLOWABLE DEFLECTION UNLESS OTHERWISE SPECIFIED.
- 21. CONTRACTOR SHALL COORDINATE CONSTRUCTION W/ PUGET SOUND ENERGY (PSE) PRIOR TO EXCAVATION NEAR GAS MAINS. THE PSE REPRESENTATIVE SHALL (AT A MINIMUM) BE ONSITE FOR CONSTRUCTION AROUND 4" DIAMETER AND LARGER AND/OR HIGH PRESSURE GAS MAIN. PROVIDE SAND BEDDING PER PSE REQUIREMENTS.
- 22. CONTRACTOR SHALL POTHOLE AT ALL LOCATIONS WHERE PROPOSED WATER MAIN AND FIRE HYDRANT LATERAL CROSS THE EXISTING WATER MAIN, STORM DRAIN OR SEWER MAIN AND SERVICES TO VERIFY DEPTH OF EXISTING MAIN IN ACCORDANCE WITH SPECIFICATION SECTION 1-07.17(2). FIRE HYDRANT LATERALS SHALL BE INSTALLED ABOVE OR BELOW EXISTING MAIN, STORM DRAIN AND SEWER MAIN WITHOUT USING BENDS. CONTRACTOR IS REQUIRED TO DETERMINE IF NEW WATER MAIN NEEDS TO BE INSTALLED DEEPER TO ACCOMPLISH THIS.
- 23. CONTRACTOR TO LOCATE AIR AND VACUUM VALVE ASSEMBLY TEE AT HIGH POINT OF NEW MAIN. INSTALLATION OF AIR RELEASE ASSEMBLY MAY REQUIRE MORE THAN 3' OF COVER AT A NEW MAIN. SEE CITY OF MERCER ISLAND STANDARD DETAIL W-25.
- 24. ALL TEMPORARY BLOW-OFFS MUST BE LOCATED OUTSIDE OF THE ROADWAY. ALL PARTS USED IN SETTING THE TEMPORARY BLOW-OFF SHALL BE PER THE TEMPORARY BLOW-OFF DETAIL ON SHEET WD-01.
- 25. THE PROPOSED WATER MAIN SHALL MAINTAIN POSITIVE SLOPE AND THREE (3) FEET MINIMUM COVER FOR 10-INCH OR SMALLER WATER MAIN AND (3.5) FEET MINIMUM COVER FOR 12-INCH
- 26. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES.

Project Title:

TESC NOTES

THE CONTRACTOR SHALL PROVIDE A TESC PLAN, WHICH MAY CONSIST OF A NARRATIVE AND/OR PLAN SHEETS AND SHALL DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES, ORDINANCES AND REGULATIONS, INCLUDING THE WATER QUALITY STANDARDS FOR SURFACE WATERS, CHAPTER 173-201A OF THE WASHINGTON ADMINISTRATIVE CODE (WAC) AND WATER QUALITY STANDARDS FOR GROUNDWATERS IN ACCORDANCE WITH CHAPTER 173-200 WAC

ADAPTIVE MANAGEMENT SHALL BE EMPLOYED THROUGHOUT THE DURATION OF THE PROJECT FOR THE IMPLEMENTATION OF EROSION AND WATER POLLUTION CONTROL PERMIT REQUIREMENTS FOR THE CURRENT CONDITION OF THE PROJECT SITE. THE ADAPTIVE MANAGEMENT INCLUDES THE SELECTION AND UTILIZATION OF BMPS SCHEDULING OF ACTIVITIES, PROHIBITING UNACCEPTABLE PRACTICES, IMPLEMENTING MAINTENANCE PROCEDURES, AND OTHER MANAGERIAL PRACTICES THAT WHEN USED SINGULARLY OR IN COMBINATION, PREVENT OR REDUCE THE RELEASE OF POLLUTANTS TO WATERS OF THE STATE. THE ADAPTIVE MANAGEMENT SHALL USE THE MEANS AND METHODS IDENTIFIED IN THIS SECTION AND MEANS AND METHODS IDENTIFIED IN THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION'S TEMPORARY EROSION AND SEDIMENT CONTROL MANUAL OR THE WASHINGTON STATE DEPARTMENT OF ECOLOGY'S STORMWATER MANAGEMENT MANUALS FOR CONSTRUCTION STORMWATER.

THE CONTRACTOR SHALL INSTALL A HIGH VISIBILITY FENCE ALONG THE LINES SHOWN IN THE PLANS OR AS INSTRUCTED BY THE ENGINEER. THROUGHOUT THE LIFE OF THE PROJECT, THE CONTRACTOR SHALL PRESERVE AND PROTECT THE DELINEATED PRESERVATION AREA, ACTING IMMEDIATELY TO REPAIR OR RESTORE ALL DAMAGED OR REMOVED HIGH VISIBILITY FENCING.

ALL DISCHARGES TO SURFACE WATERS SHALL COMPLY WITH SURFACE WATER QUALITY STANDARDS AS DEFINED IN WASHINGTON ADMINISTRATIVE CODE (WAC) CHAPTER 173-201A. ALL DISCHARGES TO GROUNDWATER SHALL COMPLY WITH GROUNDWATER QUALITY STANDARDS WAC CHAPTER 173-200. THE CONTRACTOR SHALL COMPLY WITH THE CSWGP WHEN THE PROJECT IS COVERED BY THE CSWGP.

WORK, AT A MINIMUM, SHALL INCLUDE THE IMPLEMENTATION OF:

- 1. SEDIMENT CONTROL MEASURES PRIOR TO GROUND DISTURBING ACTIVITIES TO ENSURE ALL DISCHARGES FROM CONSTRUCTION AREAS RECEIVE TREATMENT PRIOR TO DISCHARGING FROM THE SITE.
- 2. FLOW CONTROL MEASURES TO PREVENT EROSIVE FLOWS FROM DEVELOPING
- 3. WATER MANAGEMENT STRATEGIES AND POLLUTION PREVENTION MEASURES TO PREVENT CONTAMINATION OF WATERS THAT WILL BE DISCHARGED TO SURFACE WATERS OR THE GROUND.
- 4. EROSION CONTROL MEASURES TO STABILIZE ERODIBLE EARTH NOT BEING WORKED.
- 5. MAINTENANCE OF BMPS TO ENSURE CONTINUED COMPLIANT PERFORMANCE
- 6. IMMEDIATE CORRECTIVE ACTION IF EVIDENCE SUGGESTS CONSTRUCTION ACTIVITY IS NOT IN COMPLIANCE EVIDENCE INCLUDES SAMPLING DATA, OLFACTORY OR VISUAL EVIDENCE SUCH AS THE PRESENCE OF SUSPENDED SEDIMENT, TURBIDITY, DISCOLORATION, OR OIL SHEEN IN DISCHARGES
- 7. WEEKLY CHECKS FOR DURATION OF PROJECT AND AFTER SIGNIFICANT RAIN, OR WHEN DIRECTED BY THE ENGINEER OR INSPECTOR.

TO THE DEGREE POSSIBLE, THE CONTRACTOR SHALL COORDINATE THIS WORK WITH PERMANENT DRAINAGE AND ROADSIDE RESTORATION WORK THE CONTRACT REQUIRES. CLEARING, GRUBBING, EXCAVATION, BORROW, OR FILL WITHIN THE RIGHT OF WAY SHALL NEVER EXPOSE MORE ERODIBLE EARTH THAN AS LISTED IN THE CONTRACT.

TO MANAGE TURBID DEWATERING WATER ENCOUNTERED ONSITE, IT MUST PASS THROUGH BMPS TO REDUCE SEDIMENTATION PRIOR TO DISCHARGING TO A SEDIMENT TRAP OR SEDIMENT POND. TURBID DEWATERING WATER DISPOSAL OPTIONS MAY INCLUDE SHEET FLOW DISPERSION AND INFILTRATION WITHIN VEGETATION ONSITE, TRANSPORT IN A VEHICLE FOR OFF-SITE LEGAL DISPOSAL, ECOLOGYAPPROVED ON-SITE CHEMICAL TREATMENT SANITARY OR COMBINED SEWER DISCHARGE WITH LOCAL SEWER DISTRICT APPROVAL, OR USE OF A SEDIMENTATION BAG THAT DISCHARGES TO A DITCH OR SWALE FOR SMALL VOLUMES OF LOCALIZED DEWATERING. HIGHLY TURBID OR CONTAMINATED DEWATERING WATER MUST BE HANDLED SEPARATELY FROM STORMWATER. CLEAN AND NON-TURBID DEWATERING WATER MAY BE DISCHARGED TO SYSTEMS TRIBUTARY TO OR DIRECTLY INTO SURFACE WATERS OF THE STATE PROVIDED IT DOES NOT CAUSE EROSION OR FLOODING OF RECEIVING WATERS, IN ACCORDANCE WITH THE CSWGP AND WATER QUALITY STANDARDS IN WAC 173-201A.

THE CITY MAY DIRECT MAINTENANCE AND REPAIR OF TESC FACILITIES AS THE HIGHEST PRIORITY WORK AT ANY TIME THE TESC FACILITIES DO NOT MEET THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.

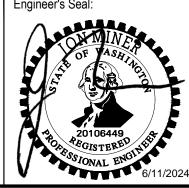
M consor

This document, ideas, and designs incorporated herein, are an instrument

of professional service, and is not to be used, in whole or in part, for any

other project without the written authorization of CONSOR.

BID SET

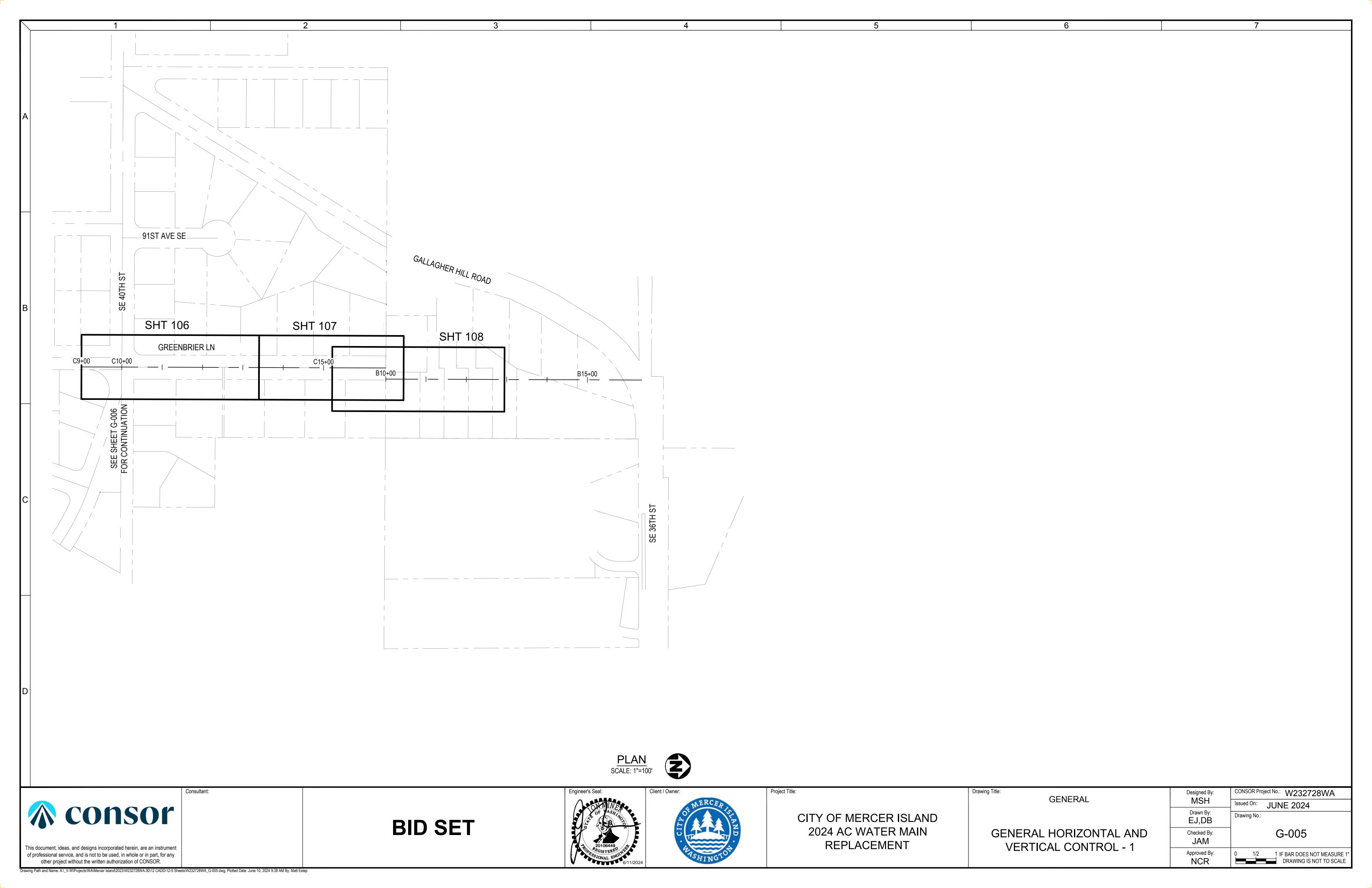


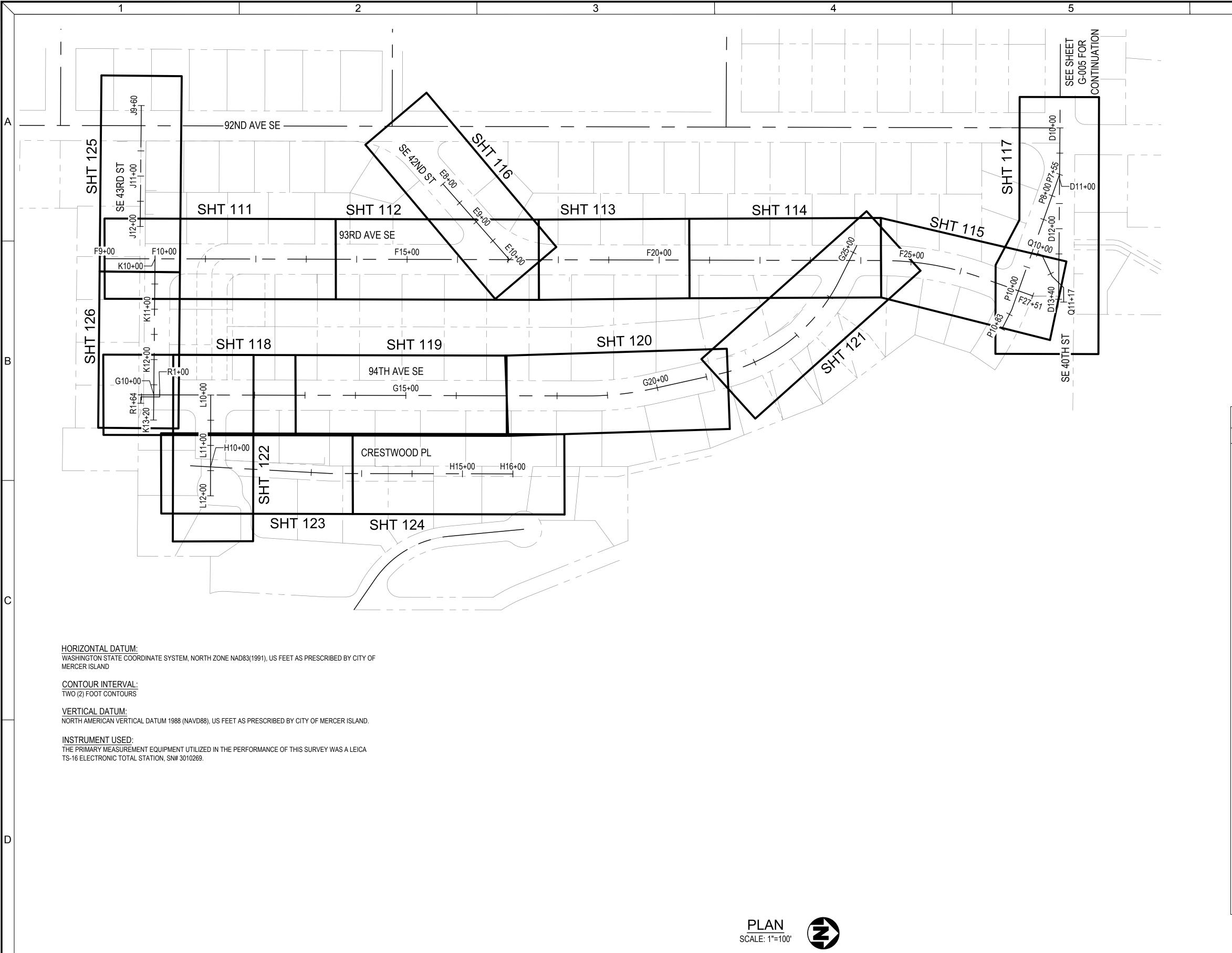


CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

Drawing Title:

CONSOR Project No.: W232728WA Designed By **GENERAL** MSH Issued On: JUNE 2024 Drawn By: Drawing No.: EJ,DB G-004 Checked By: **NOTES** JAM 1/2 1 IF BAR DOES NOT MEASURE Approved By NCR DRAWING IS NOT TO SCALE





UTILITIES MAPPING:

ALL EXISTING UTILITIES SHOWN HEREIN ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED BY RECORD LOCATION OR FIELD TIED AS A RESULT OF A UTILITY PAINT-OUT DURING THE COURSE OF THE FIELD SURVEY. DUANE HARTMAN & ASSOCIATES, INC. (DHA) ASSUMES NO LIABILITY FOR THE ACCURACY OF THE RECORD INFORMATION. FOR THE FINAL LOCATION OF THE EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION, CONTACT THE UTILITY OWNER/AGENCY AND UTILITIES UNDERGROUND CENTER (800/424-5555).

TOPOGRAPHIC MAPPING:

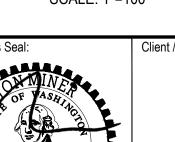
THE MAP SHOWN HEREON IS THE RESULT OF A TOPOGRAPHIC SURVEY BY DUANE HARTMAN & ASSOCIATES, INC. (DHA) COMPLETED IN NOVEMBER 2023. DHA ASSUMES NO LIABILITY, BEYOND SAID DATE, FOR ANY FUTURE SURFACE FEATURE MODIFICATIONS OR CONSTRUCTION ACTIVITIES THAT MAY OCCUR WITHIN OR ADJOINING THE PERIMETER OF THIS SURVEY. CONTACT DHA (425) 483-5355 FOR SITE UPDATES AND VERIFICATIONS.

TELECOMMUNICATIONS/FIBER OPTIC DISCLAIMER:

RECORDS OF UNDERGROUND TELECOMMUNICATIONS AND/OR FIBER OPTIC LINES ARE NOT ALWAYS AVAILABLE TO THE PUBLIC. DHA HAS NOT CONTACTED EACH OF THE MANY COMPANIES, IN THE COURSE OF THIS SURVEY, WHICH COULD HAVE UNDERGROUND LINES WITHIN ADJACENT RIGHTS-OF-WAY. THEREFORE, DHA DOES NOT ACCEPT RESPONSIBILITY FOR THE EXISTENCE OF UNDERGROUND TELECOMMUNICATIONS/FIBER OPTIC LINES WHICH ARE NOT MADE PUBLIC RECORD WITH THE LOCAL JURISDICTION. AS ALWAYS, CALL 1-800-424-5555 BEFORE CONSTRUCTION.

- PROPERTY LINES SHOWN HEREON GENERATED FROM KING COUNTY GIS AND ARE CONSIDERED APPROXIMATE IN LOCATION.
- SANITARY AND STORM SEWER MANHOLE LOCATION SHOWN HEREIN ARE FROM CENTER OF LID. CENTER OF STRUCTURES ARE TO BE VERIFIED PRIOR TO ANY CONSTRUCTION.
- WATERLINE LOCATION SHOWN HEREIN ARE FROM THE CITY OF MERCER ISLAND GIS AND ARE CONSIDERED APPROXIMATE IN LOCATION.

DHA SURVEY CONTROL TABLE POINT ID NORTHING **ELEVATION** DESCRIPTION POINT# **EASTING** 211547.046 1299343.536 336.51 MON IN CASE IN CASE 211786.558 1299611.167 332.89 MAG NAIL/WASHER 506 338.07 MAG NAIL/WASHER DHA-6 211379.049 1299610.426 507 97.85 DHA-7 213945.572 1300031.983 MAG NAIL/WASHER 508 DHA-8 213902.552 1300502.985 91.63 MAG NAIL/WASHER 1299600.997 342.01 MAG NAIL/WASHER DHA-511 210946.679 512 DHA-512 210940.511 1299743.614 339.55 MAG NAIL/WASHER 340.26 513 DHA-513 210841.846 1299599.422 MON IN CASE 514 DHA-514 210849.093 1299329.404 344.82 MON IN CASE 515 DHA-515 211156.858 1299335.812 343.35 MAG NAIL/WASHER 331.88 DHA-517 211864.595 1299349.723 MAG NAIL/WASHER 518 DHA-3 212220.798 1299357.245 322.36 MON IN CASE DHA-519 212543.429 1299393.241 307.69 MAG NAIL/WASHER DHA-521 1299293.179 308.06 MAG NAIL/WASHER 212628.319 523 DHA-523 212616.359 1299117.239 306.47 MAG NAIL/WASHER 524 DHA-524 301.20 212900.054 1299150.281 MAG NAIL/WASHER DHA-525 213160.750 1299113.939 MAG NAIL/WASHER 527 DHA-527 213307.612 1299163.042 283.93 MAG NAIL/WASHER 528 DHA-528 213548.054 1299150.797 262.57 REBAR/CONTROL CAP 529 DHA-529 185.29 213799.649 1299010.703 MAG NAIL/WASHER DHA-531 213501.204 1298887.397 205.39 MAG NAIL/WASHER 532 DHA-532 213944.168 1299196.507 180.71 MAG NAIL/WASHER 533 DHA-533 1299440.320 170.85 213963.978 MAG NAIL/WASHER 534 222.33 DHA-534 213245.939 1298814.371 MAG NAIL/WASHER 544 91.71 DHA-544 213902.600 1300503.017 MAG NAIL/WASHER 545 DHA-545 213028.633 1298626.848 264.08 MAG NAIL/WASHER DHA-546 303.25 212715.833 1298493.535 MAG NAIL/WASHER DHA-547 316.86 212632.083 1298858.479 MAG NAIL/WASHER 552 DHA-552 97.35 213774.570 1301000.959 REBAR/CONTROL CAP DHA-3335-554 210852.698 1299470.552 341.28 MAG NAIL/WASHER 573 DHA-3335-573 211790.079 1299335.593 333.48 MAG NAIL/WASHER 574 DHA-3335-574 211289.629 1299062.010 353.39 MAG NAIL/WASHER 575 363.59 DHA-3335-575 210827.256 1299057.170 MAG NAIL/WASHER 576 DHA-3335-576 210641.968 1299075.141 366.41 MAG NAIL/WASHER DHA-3335-577 213276.180 1299125.691 285.74 MAG NAIL/WASHER 213303.053 283.11 578 DHA-3335-578 1299117.388 TACK IN HUB 579 DHA-3335-579 213290.131 1299034.669 276.79 MAG NAIL/WASHER DHA-3335-580 210934.050 1299052.898 361.50 MAG NAIL/WASHER DHA-3335-581 212635.936 1299428.356 296.58 MAG NAIL/WASHER 582 DHA-3335-582 212652.209 1299354.684 305.80 TACK IN HUB 583 DHA-3335-583 212644.901 1299338.068 306.58 MAG NAIL/WASHER DHA-3335-600 211502.222 1299621.616 336.83 MAG NAIL/WASHER DHA-3335-601 211226.756 1299619.892 341.02 MAG NAIL/WASHER 602 333.64 DHA-3335-602 211153.367 1299768.401 MAG NAIL/WASHER 603 337.17 DHA-3335-603 210993.379 1299784.185 MAG NAIL/WASHER DHA-3335-604 211321.387 1299780.658 328.86 MAG NAIL/WASHER 1299783.916 MAG NAIL/WASHER DHA-3335-605 211449.954 324.98 606 DHA-3335-606 213302.501 1298860.110 216.18 TACK IN HUB DHA-3335-607 1298938.306 246.20 213297.356 DHA-3335-608 212381.185 1299382.004 315.65 MAG NAIL/WASHER





Project Title:

CITY OF MERCER ISLAND 2024 AC WATER MAIN

GENERAL HORIZONTAL AND

VERTICAL CONTROL -2

GENERAL

Drawing Title:

CONSOR Project No.: W232728WA Designed By MSH Issued On: JUNE 2024 Drawn By: Drawing No.: EJ,DB G-006 Checked By: JAM Approved By: 1/2 1 IF BAR DOES NOT MEASURE NCR DRAWING IS NOT TO SCALE

rawing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_G-006.dwg, Plotted Date: June 10, 2024 9:39 AM By: Matt Estep

Consor

This document, ideas, and designs incorporated herein, are an instrument of professional service, and is not to be used, in whole or in part, for any other project without the written authorization of CONSOR.

BID SET

REPLACEMENT

					- r	I		<u> </u>
METER PLAN SET ID	SHEET	ADDRESS	UTILITY BILLING METER # (REGISTER #)	EXISTING METER SIZE	METER MAKE	TRAFFIC BEARING (Y/N)	LONG VS SHORT	EXISTING TAIL PIECE MATERIAL (CONTRACTOR TO FILL IN DURING CONSTRUCTION)
B1	W-C-108	3722 GREENBRIER LN		1.5"		N	SHORT	
B2	W-C-108	3721 GREENBRIER LN		1.5"		N	LONG	
A C1	W-C-106	3844 GREENBRIER LN		5/8"		N	SHORT	
C2	W-C-106	3836 GREENBRIER LN		3/4"		N	SHORT	
C3	W-C-106	3941 GREENBRIER LN		5/8"		N	LONG	
C4	W-C-106	3931 GREENBRIER LN		5/8"		N	LONG	
C5	W-C-107	3828 GREENBRIER LN		5/8"		N	SHORT	
C6	W-C-107	3820 GREENBRIER LN		5/8"		N	SHORT	
C7	W-C-107	3921 GREENBRIER LN		5/8"		N	LONG	
C8	W-C-107	3911 GREENBRIER LN		5/8"		N	LONG	
C9	W-C-107	3816 GREENBRIER LN		5/8"		N	SHORT	
C10	W-C-107	3804 GREENBRIER LN		5/8"		N	SHORT	
C11	W-C-107	3733 GREENBRIER LN		5/8"		N	LONG	
C12	W-C-107	3725 GREENBRIER LN		5/8"		N	LONG	
F1	W-C-111	4255 93RD AVE SE		5/8"		N	SHORT	
F2	W-C-111	4247 93RD AVE SE		1"		N	SHORT	
F3	W-C-111	4239 93RD AVE SE		5/8"		N	SHORT	
F4	W-C-111	4238 93RD AVE SE		5/8"		N	LONG	
F5	W-C-111	4230 93RD AVE SE		5/8"		N	LONG	
F6	W-C-111	4231 93RD AVE SE		5/8"		N	SHORT	
F7	W-C-111	4223 93RD AVE SE		5/8"	ROCKWELL	N	SHORT	
F8	W-C-112	4222 93RD AVE SE		5/8"		N	LONG	
F9	W-C-112	4215 93RD AVE SE		5/8"		N	SHORT	
F10	W-C-112	4212 93RD AVE SE		5/8"		N	LONG	
F11	W-C-112	4204 93RD AVE SE		5/8"		N	LONG	
F12	W-C-112	9211 SE 42ND ST		3/4"		N	SHORT	
F13	W-C-112	4140 93RD AVE SE		5/8"		N	LONG	
F14	W-C-112	4134 93RD AVE SE		5/8"		N	LONG	
F15	W-C-113	4135 93RD AVE SE		5/8"		N	SHORT	
F16	W-C-113	4127 93RD AVE SE		5/8"		N	SHORT	
F17	W-C-113	4128 93RD AVE SE		5/8"		N	LONG	
F18	W-C-113	4118 93RD AVE SE		5/8"		N	LONG	
F19	W-C-113	4119 93RD AVE SE		1.5"	OTHER	N	SHORT	

1. REPLACE ALL METERS

2. REPLACE ALL METER BOXES

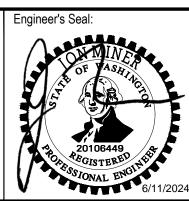
« consor

This document, ideas, and designs incorporated herein, are an instrument

of professional service, and is not to be used, in whole or in part, for any

other project without the written authorization of CONSOR.

BID SET





CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

Project Title:

Drawing Title: GENERAL

CONSOR Project No.: W232728WA Designed By: MSH Issued On: JUNE 2024 Drawn By: EJ,DB G-007 Checked By: JAM 0 1/2 1 IF BAR DOES NOT MEASURE 1 DRAWING IS NOT TO SCALE Approved By: NCR

WATER METER TABLE - 1

METER PLAN SET ID	SHEET	ADDRESS	UTILITY BILLING METER # (REGISTER #)	EXISTING METER SIZE	METER MAKE	TRAFFIC BEARING (Y/N)	LONG VS SHORT	EXISTING TAIL PIECE MATERIAL (CONTRACTOR TO FILL IN DURING CONSTRUCTION)
F20	W-C-113	4111 93RD AVE SE		5/8"		N	SHORT	
F21	W-C-113	4112 93RD AVE SE		5/8"		N	LONG	
F22	W-C-113	4104 93RD AVE SE		5/8"		N	LONG	
F23	W-C-114	4102 93RD AVE SE		1"		N	LONG	
F24	W-C-114	4105 93RD AVE SE		3/4"		N	SHORT	
F25	W-C-114	4053 93RD AVE SE		5/8"		N	SHORT	
F26	W-C-114	4054 93RD AVE SE		5/8"		N	LONG	
F27	W-C-114	4045 93RD AVE SE		5/8"		N	SHORT	
F28	W-C-114	4033 93RD AVE SE		5/8"		N	SHORT	
F29	W-C-115	4038 93RD AVE SE		1"		N	LONG	
F30	W-C-115	4034 93RD AVE SE		5/8"		N	LONG	
F31	W-C-115	4027 93RD AVE SE		5/8"		N	SHORT	
F32	W-C-115	4019 93RD AVE SE		5/8"		N	SHORT	
F33	W-C-115	4028 93RD AVE SE		5/8"		N	SHORT	
F34	W-C-115	4022 93RD AVE SE		5/8"		N	SHORT	
F35	W-C-115	4011 93RD AVE SE		5/8"		Υ	LONG	
F36	W-C-115	9215 SE 40TH ST		1"		Υ	LONG	
G1	W-C-118	9507 SE 43RD ST		5/8"		N	LONG	
G2	W-C-118	9409 SE 43RD ST		5/8"		N	LONG	
G3	W-C-118	4304 94TH AVE SE		3/4"		N	LONG	
G4	W-C-118	4260 CRESTWOOD PL		5/8"		N	LONG	
G5	W-C-118	4256 CRESTWOOD PL		1"		N	LONG	
G6	W-C-118	4239 94TH AVE SE		5/8"		N	SHORT	
G7	W-C-118	4240 94TH AVE SE		1"		N	LONG	
G8	W-C-118	4232 94TH AVE SE		1"		N	LONG	
G 9	W-C-119	4231 94TH AVE SE		5/8"		N	SHORT	
G10	W-C-119	4223 94TH AVE SE		5/8"		N	SHORT	
G11	W-C-119	4224 94TH AVE SE		3/4"		N	LONG	
G12	W-C-119	4214 94TH AVE SE		1"		N	LONG	
G13	W-C-119	4215 94TH AVE SE		5/8"		N	SHORT	
G14	W-C-119	4205 94TH AVE SE		5/8"		N	SHORT	

NOTES

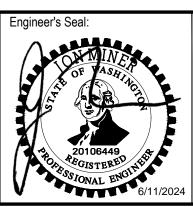
1. REPLACE ALL METERS

REPLACE ALL METERS
 REPLACE ALL METER BOXES

« consor

This document, ideas, and designs incorporated herein, are an instrument of professional service, and is not to be used, in whole or in part, for any other project without the written authorization of CONSOR.

BID SET





Project Title:

CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT Drawing Title:

GENERAL

WATER METER TABLE - 2

Drawn By:
EJ, DB
Checked By
JAM
Approved By

Designed By:	CONSOR Project No.: W232728WA						
MSH	Issued On: JUNE 2024						
Drawn By: EJ, DB	Drawing No.:						
Checked By: JAM	G-008						
Approved By: NCR	0 1/2 1 IF BAR DOES NOT MEASURE 1" DRAWING IS NOT TO SCALE						

METER PLAN SET ID	SHEET	ADDRESS	UTILITY BILLING METER # (REGISTER #)	EXISTING METER SIZE	METER MAKE	TRAFFIC BEARING (Y/N)	LONG VS SHORT	EXISTING TAIL PIECE MATERIAL (CONTRACTOR TO FILL IN DURING CONSTRUCTION)
G15	W-C-119	4204 94TH AVE SE		5/8"	MASTER	N	LONG	
G16	W-C-119	4144 94TH AVE SE		1"		N	LONG	
G17	W-C-119	4143 94TH AVE SE		3/4"		N	SHORT	
G18	W-C-119	4137 94TH AVE SE		5/8"		N	SHORT	
G19	W-C-120	4138 94TH AVE SE		1"		N	LONG	
G20	W-C-120	4136 94TH PL SE		1"		N	LONG	
G21	W-C-120	4130 94TH AVE SE		1"		N	LONG	
G22	W-C-120	4131 94TH AVE SE		5/8"		N	SHORT	
G23	W-C-120	4123 94TH AVE SE		5/8"	MASTER	N	SHORT	
G24	W-C-120	4126 94TH AVE SE		5/8"		N	LONG	
G25	W-C-120	4115 94TH AVE SE		5/8"		N	SHORT	
G26	W-C-120	4105 94TH AVE SE				N	SHORT	
G27	W-C-120	4120 94TH AVE SE		1"		Υ	LONG	
G28	W-C-120	4116 94TH AVE SE		1.5"	SENSUS	Υ	LONG	
G29	W-C-121	4103 94TH AVE SE		3/4"		N	LONG	
G30	W-C-121	4104 94TH AVE SE		5/8"		N	SHORT	
G31	W-C-121	4052 94TH AVE SE		5/8"		N	SHORT	
G32	W-C-121	4044 94TH AVE SE		5/8"		N	SHORT	
H1	W-C-123	4250 CRESTWOOD PL		1.5"	SPECTRUM	N	LONG	
H2	W-C-123	4248 CRESTWOOD PL		1.5"		Υ	LONG	
H3	W-C-123	4230 CRESTWOOD PL		5/8"		Υ	SHORT	
H4	W-C-123	4220 CRESTWOOD PL		1.5"	MELRON	Υ	SHORT	
H5	W-C-123	4206 CRESTWOOD PL		3/4"		Υ	SHORT	
H6	W-C-124	4200 CRESTWOOD PL		3/4"		Υ	SHORT	
H7	W-C-124	4184 CRESTWOOD PL		3/4"		Υ	SHORT	
H8	W-C-124	4160 CRESTWOOD PL		5/8"		Υ	SHORT	
K1	W-C-125	9219 SE 43RD ST		5/8"		N	LONG	
K2	W-C-125	9301 SE 43RD ST		1.5"	METRON	N	LONG	
K3	W-C-126	9302 SE 43RD ST		5/8"	MASTER	Υ	SHORT	
K4	W-C-126	9310 SE 43RD ST		5/8"	MASTER	Υ	SHORT	
K5	W-C-126	9315 SE 43RD ST		1"		N	LONG	
K6	W-C-126	9319 SE 43RD ST		5/8"		N	LONG	
K7	W-C-126	9318 SE 43RD ST		5/8"		N	SHORT	
K8	W-C-126	9323 SE 43RD ST		1.5"		N	LONG	

1. REPLACE ALL METERS

2. REPLACE ALL METER BOXES

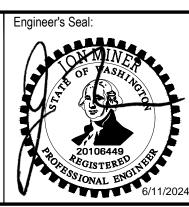
Consor

of professional service, and is not to be used, in whole or in part, for any

other project without the written authorization of CONSOR.

This document, ideas, and designs incorporated herein, are an instrument

BID SET





Project Title:

CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

Drawing Title: GENERAL

Drawn By: EJ, DB Checked By: JAM 0 1/2 1 IF BAR DOES NOT MEASURE 1 DRAWING IS NOT TO SCALE Approved By: NCR

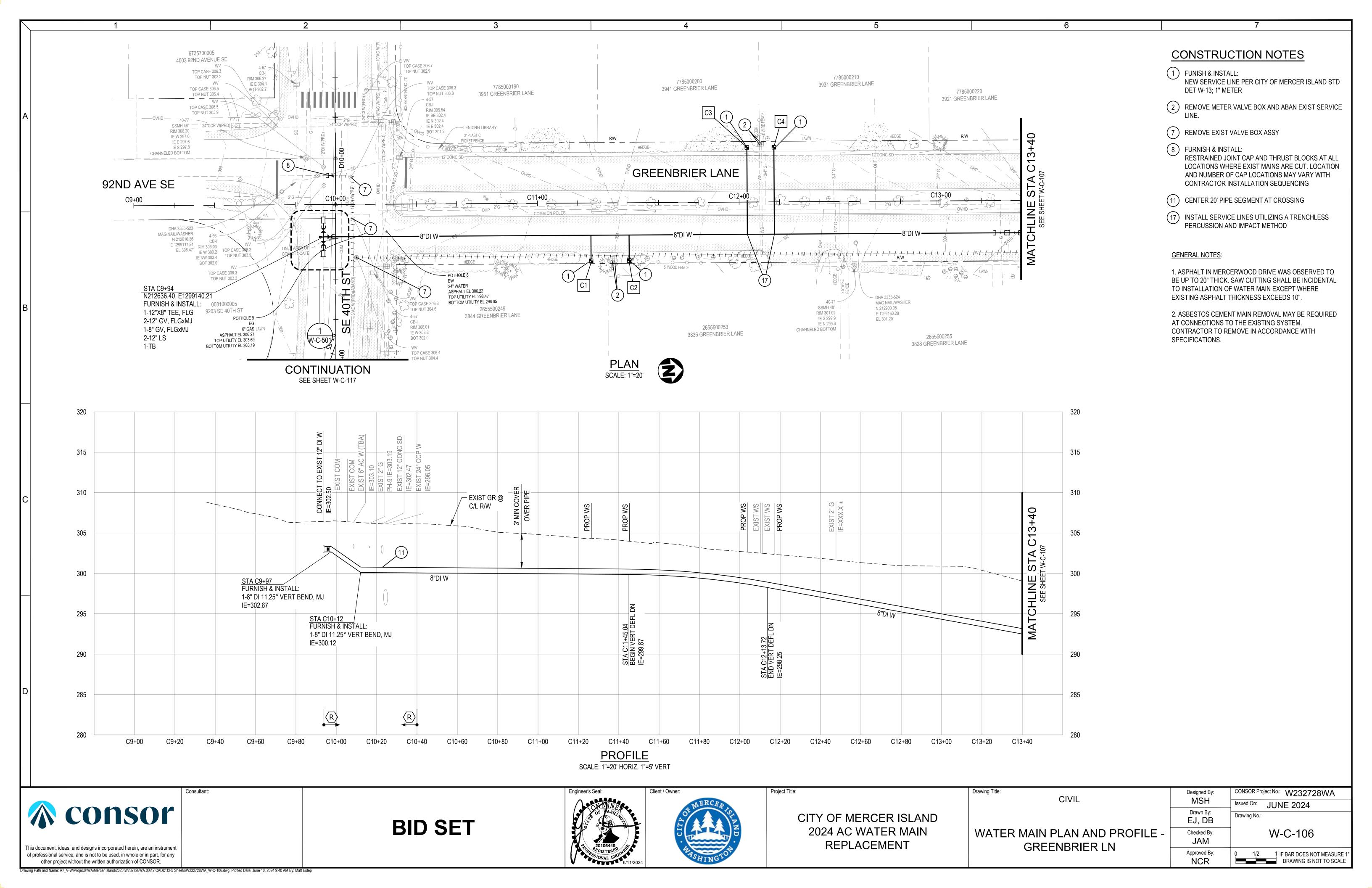
Designed By: MSH

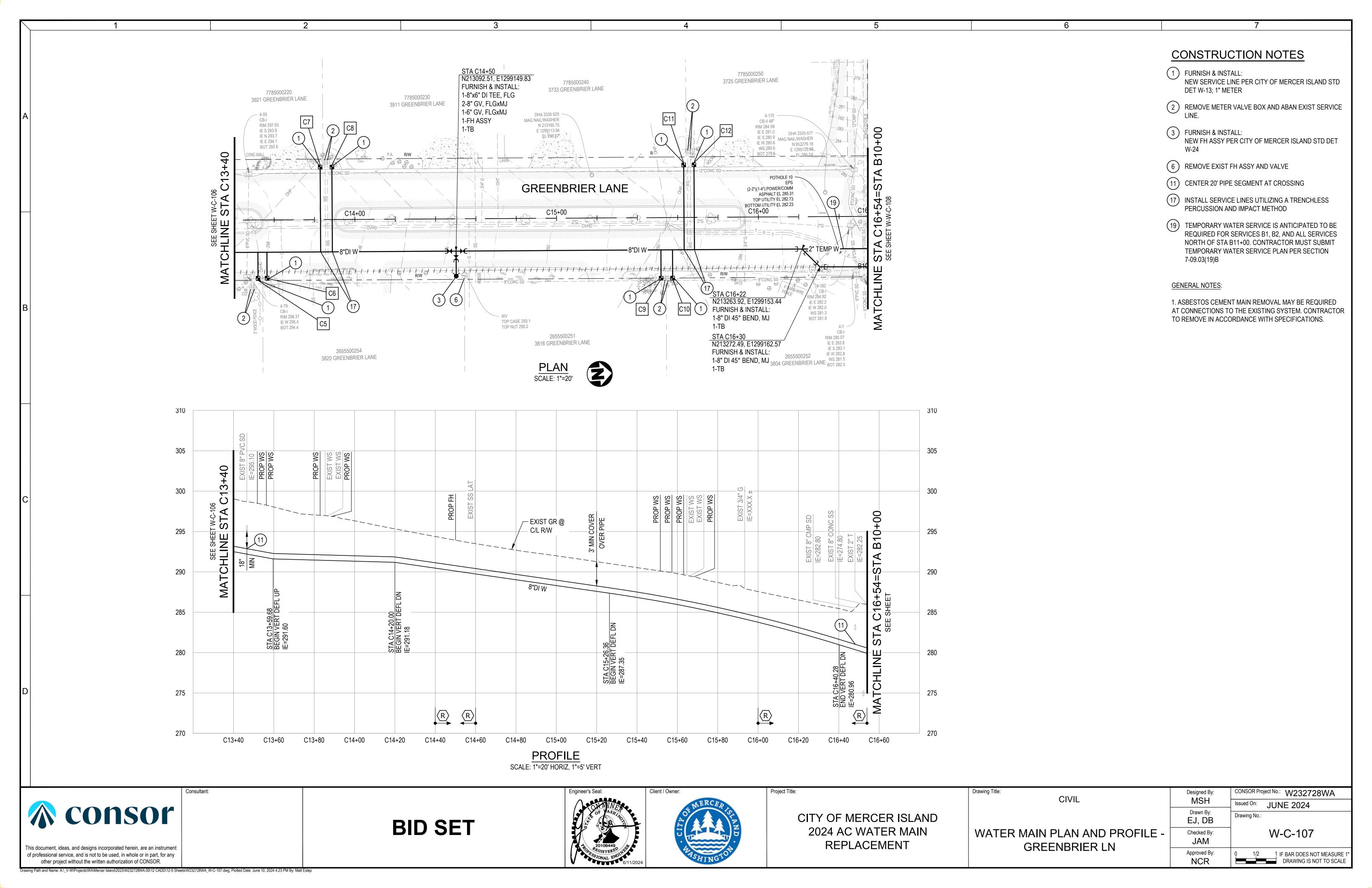
CONSOR Project No.: W232728WA

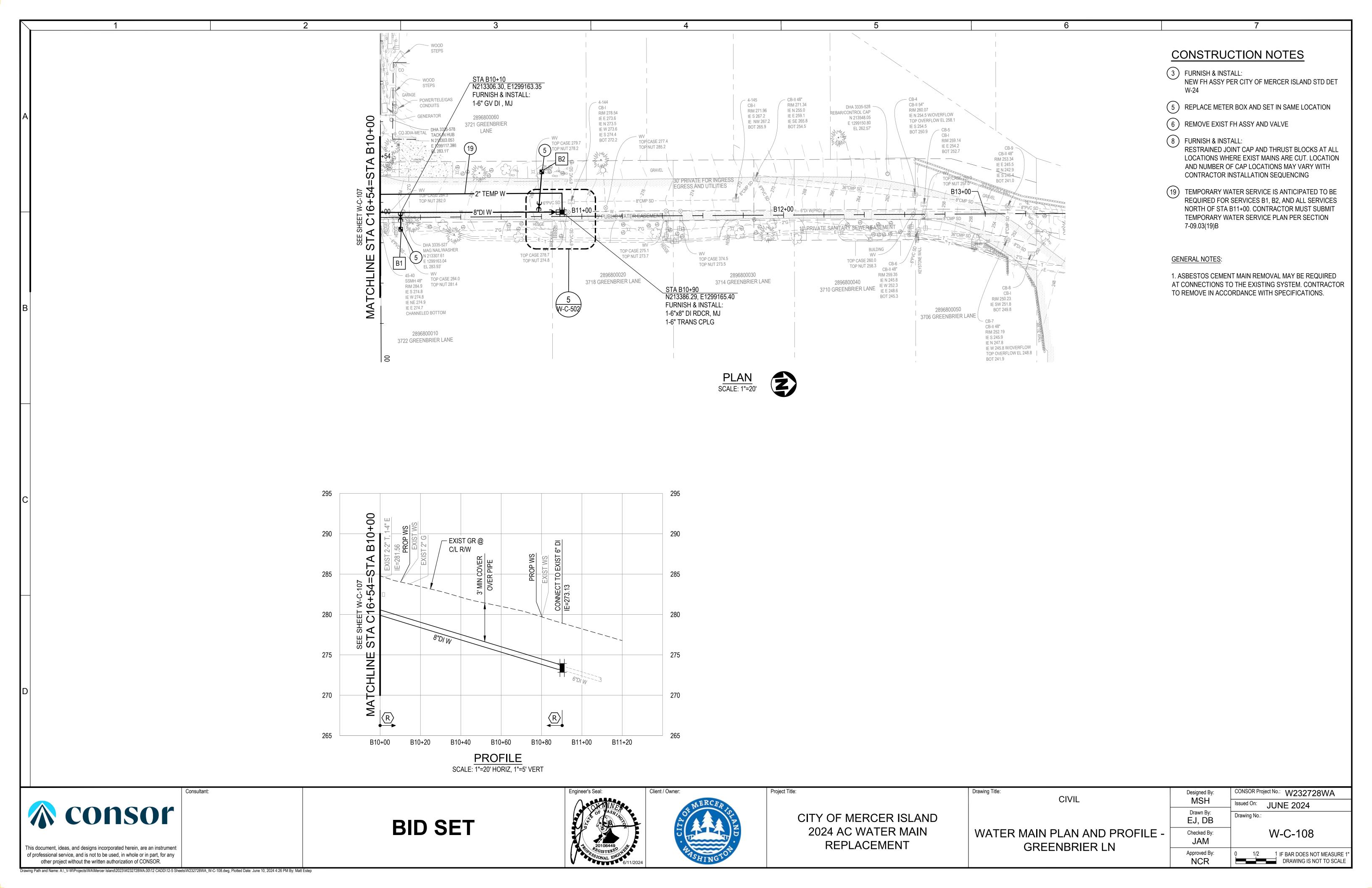
G-009

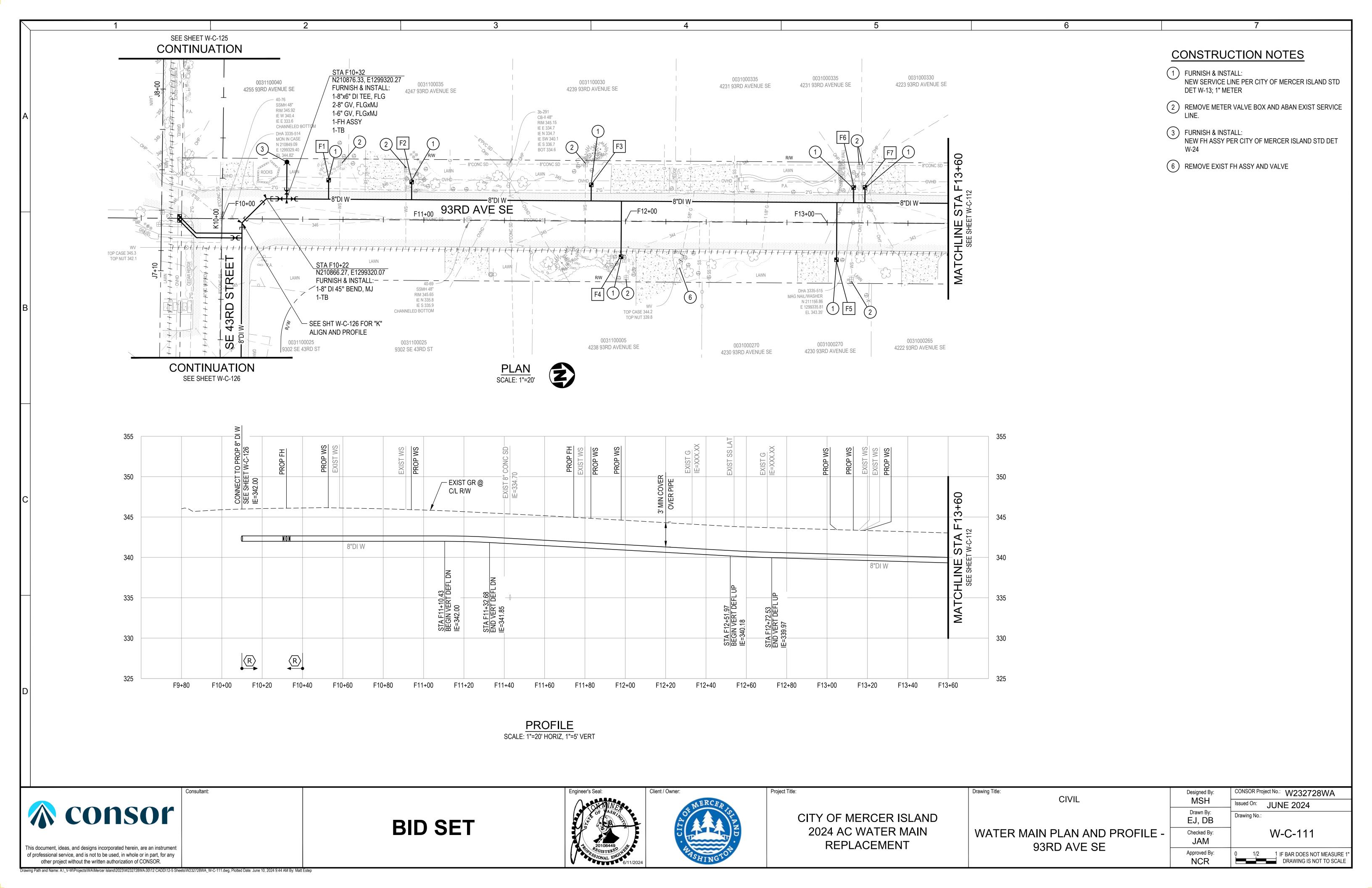
Issued On: JUNE 2024

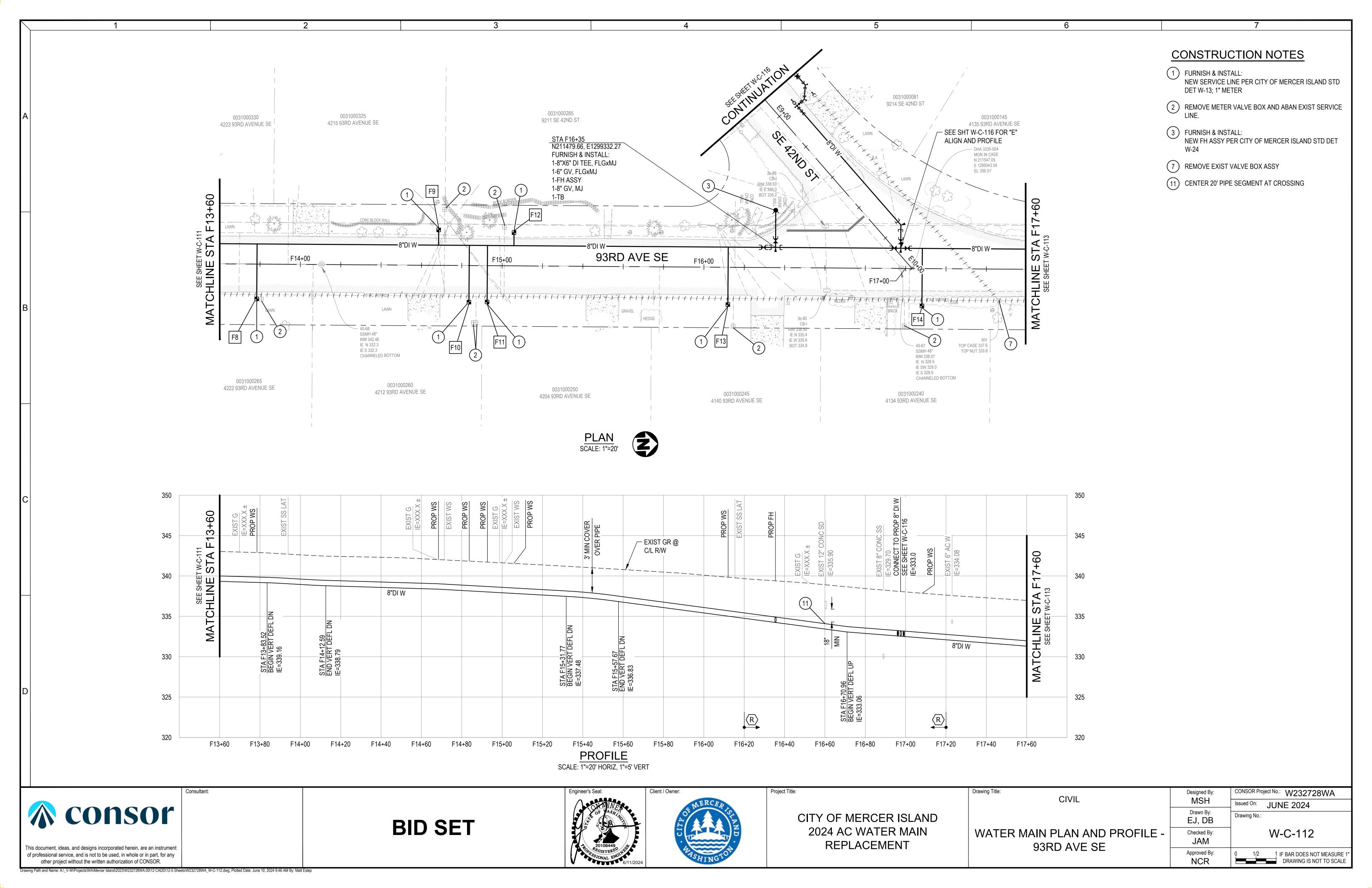
WATER METER TABLE - 3

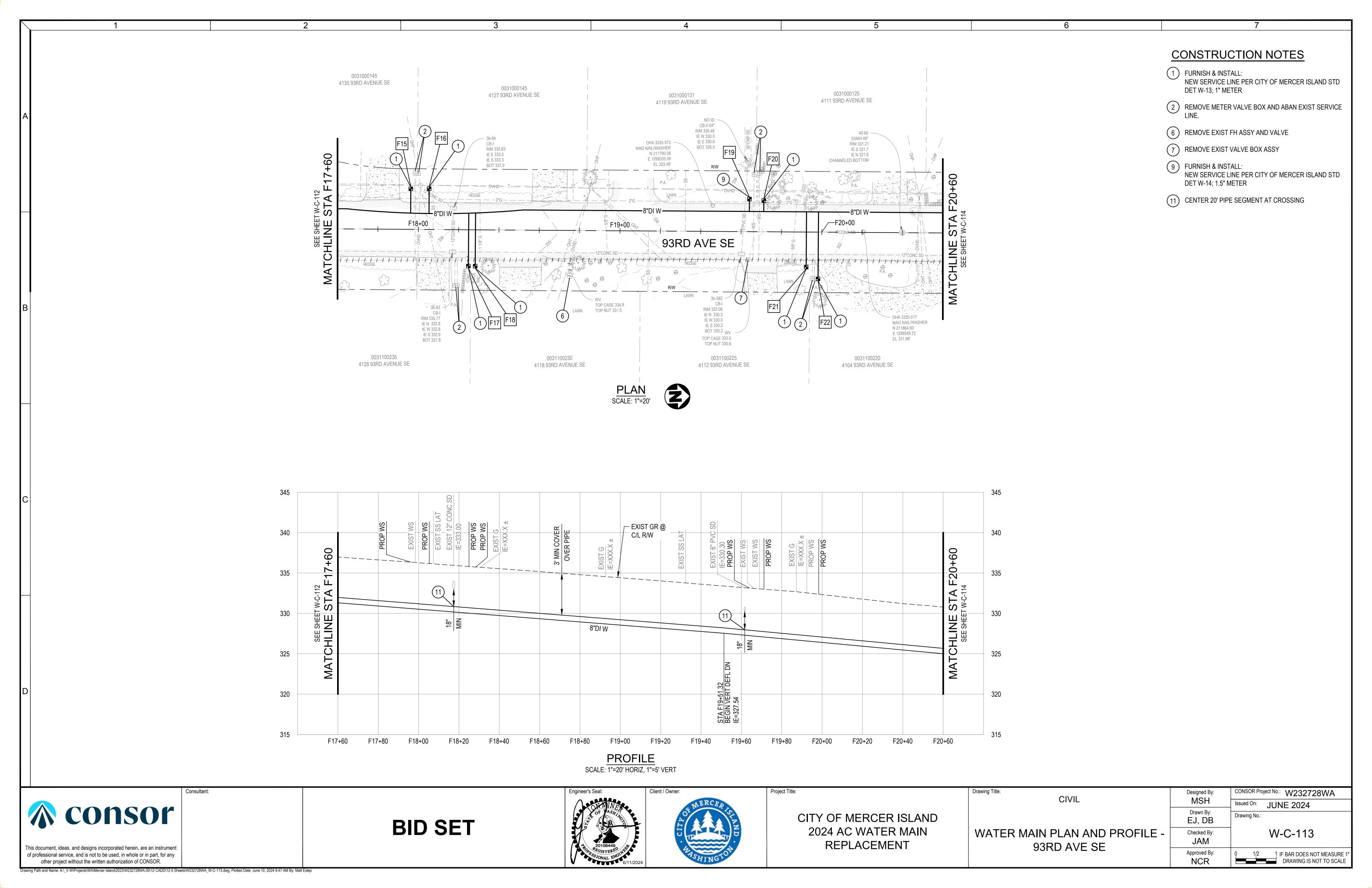


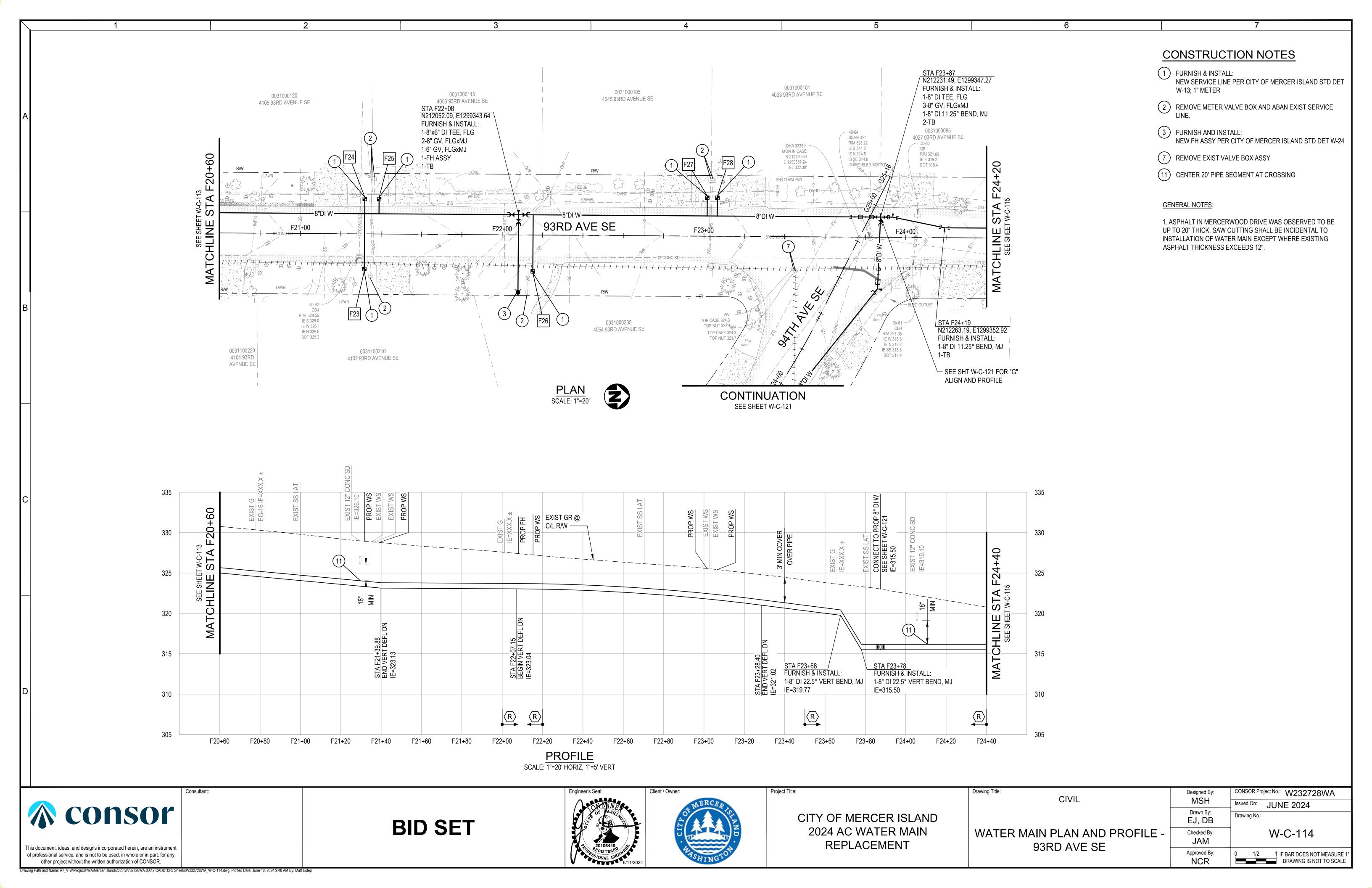


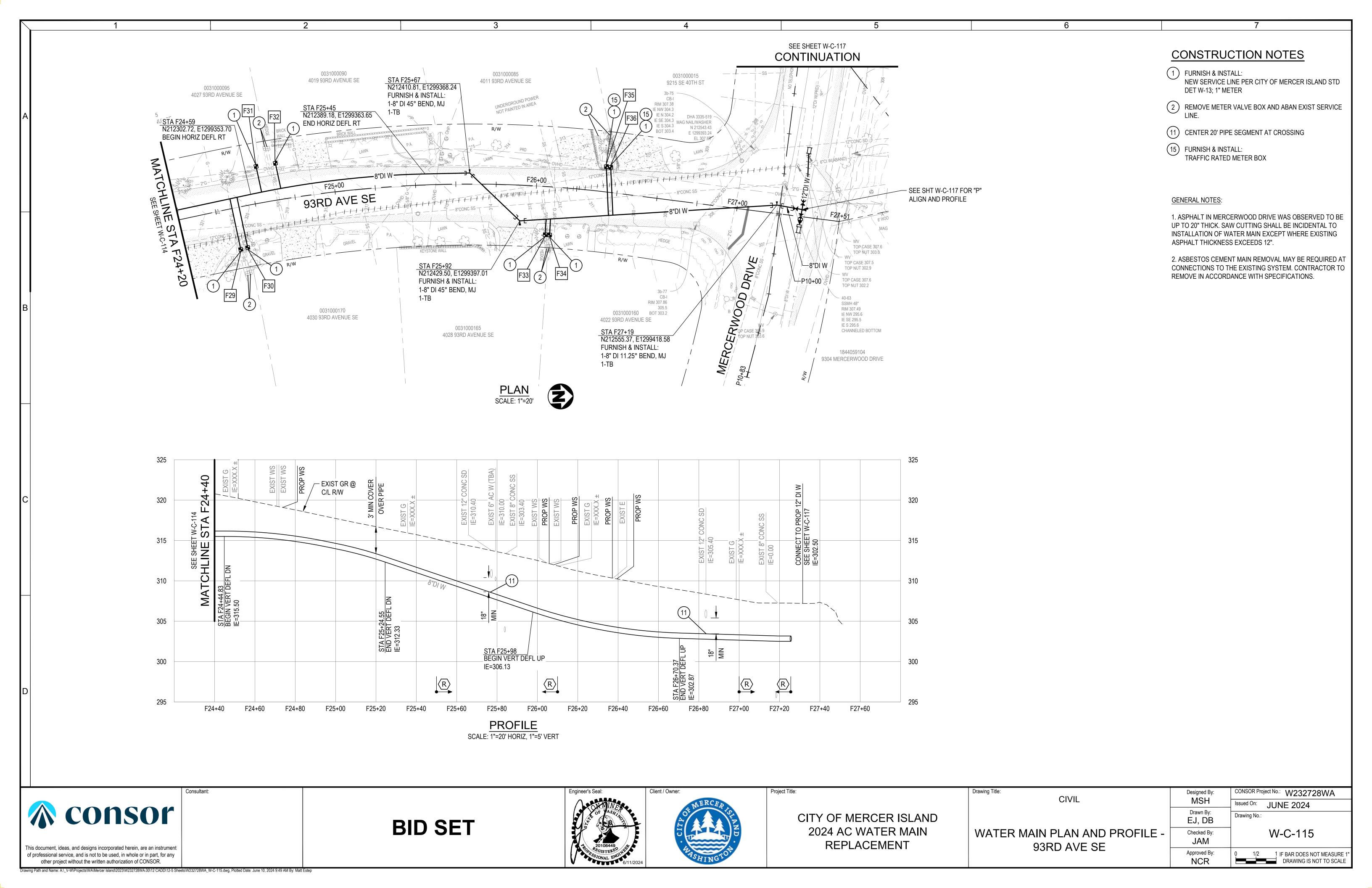


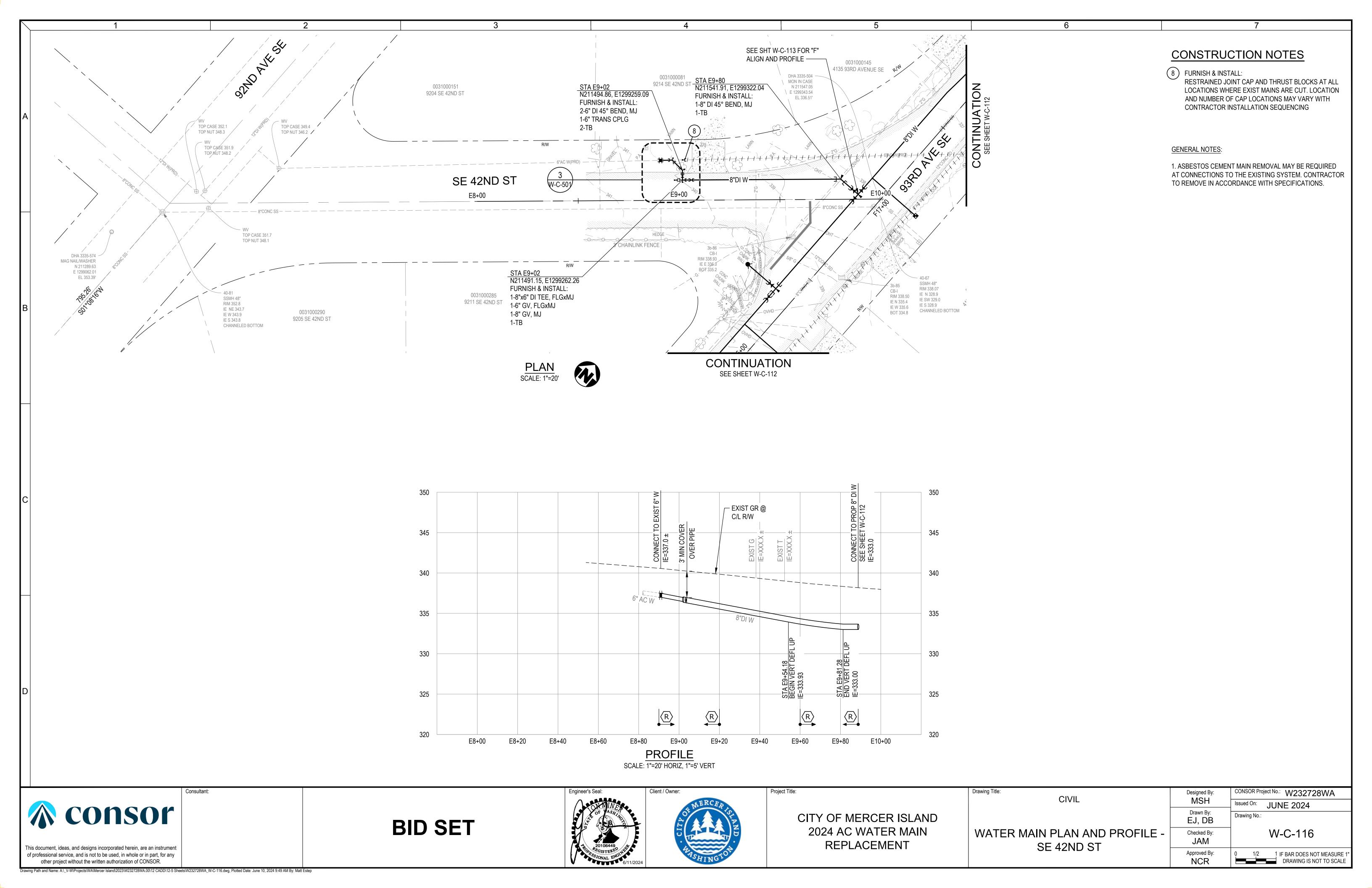


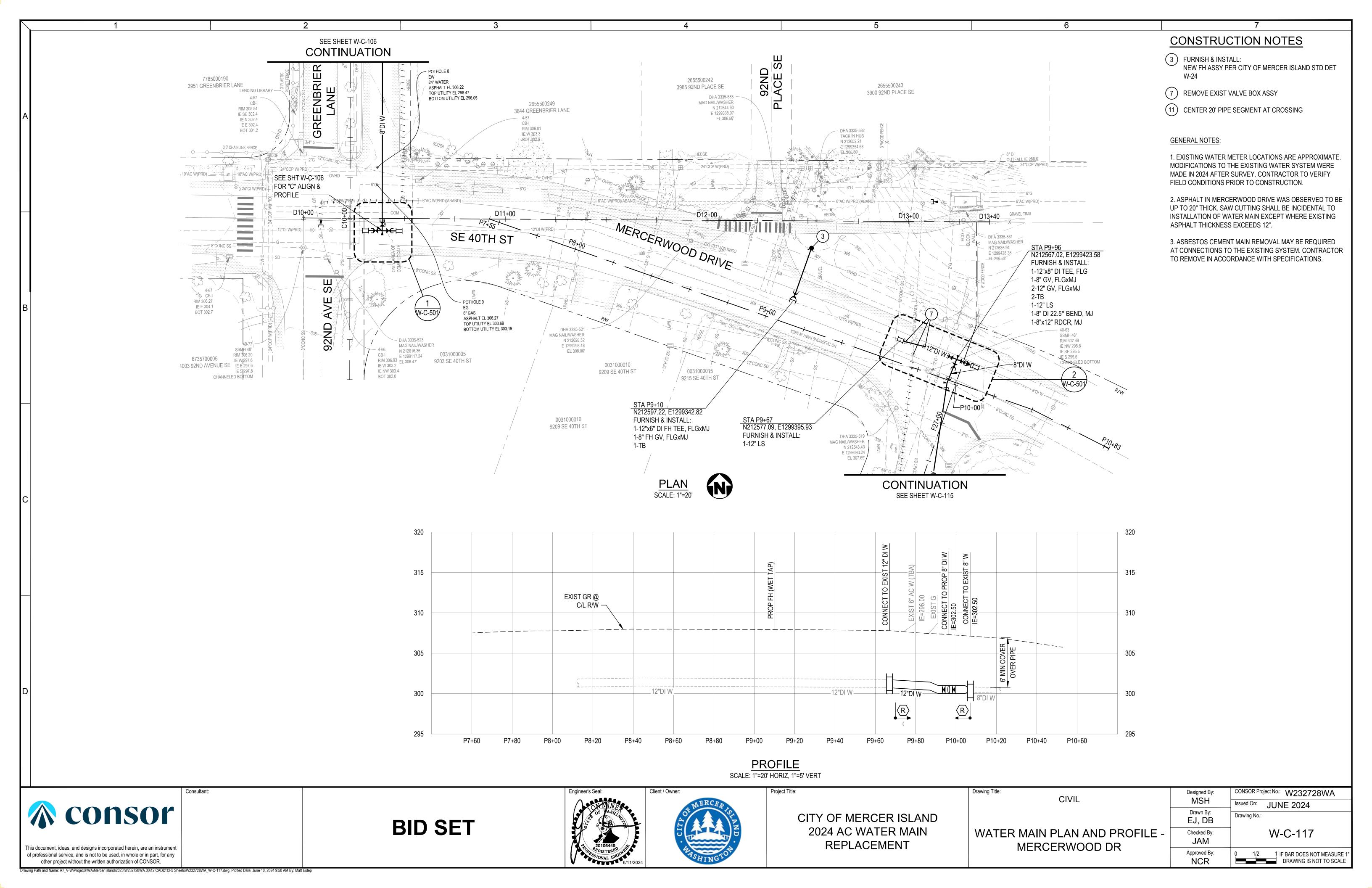


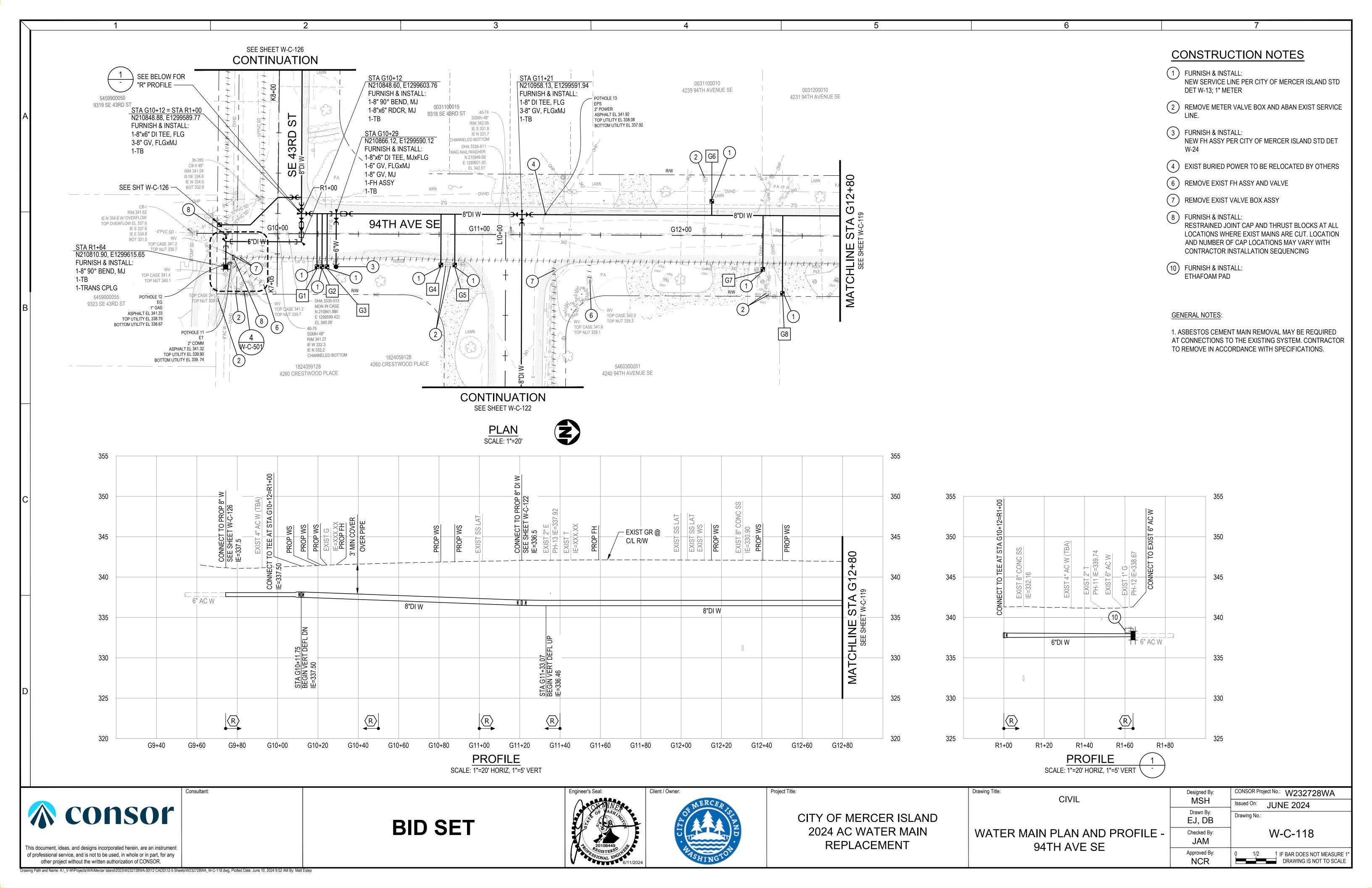


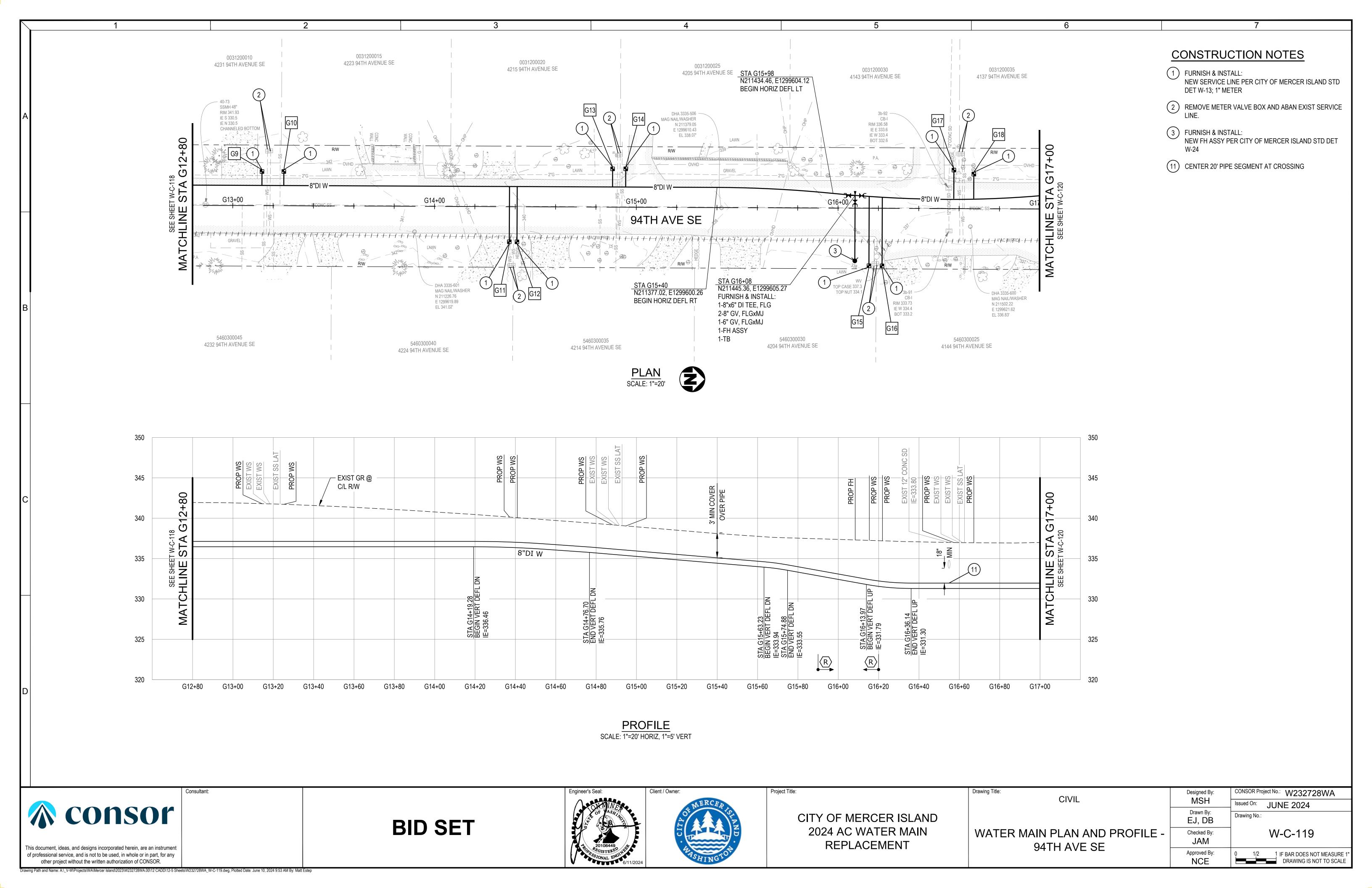


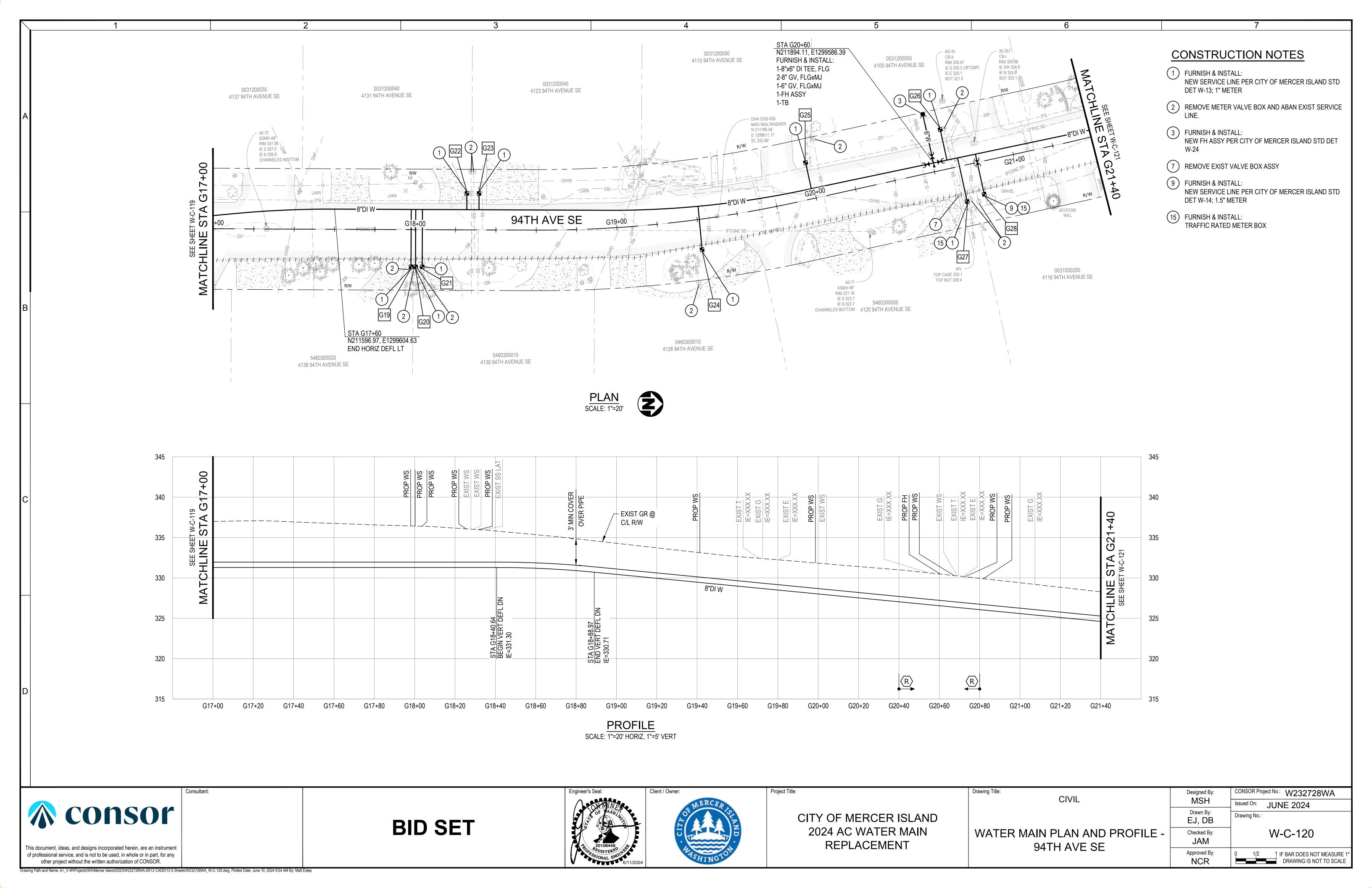


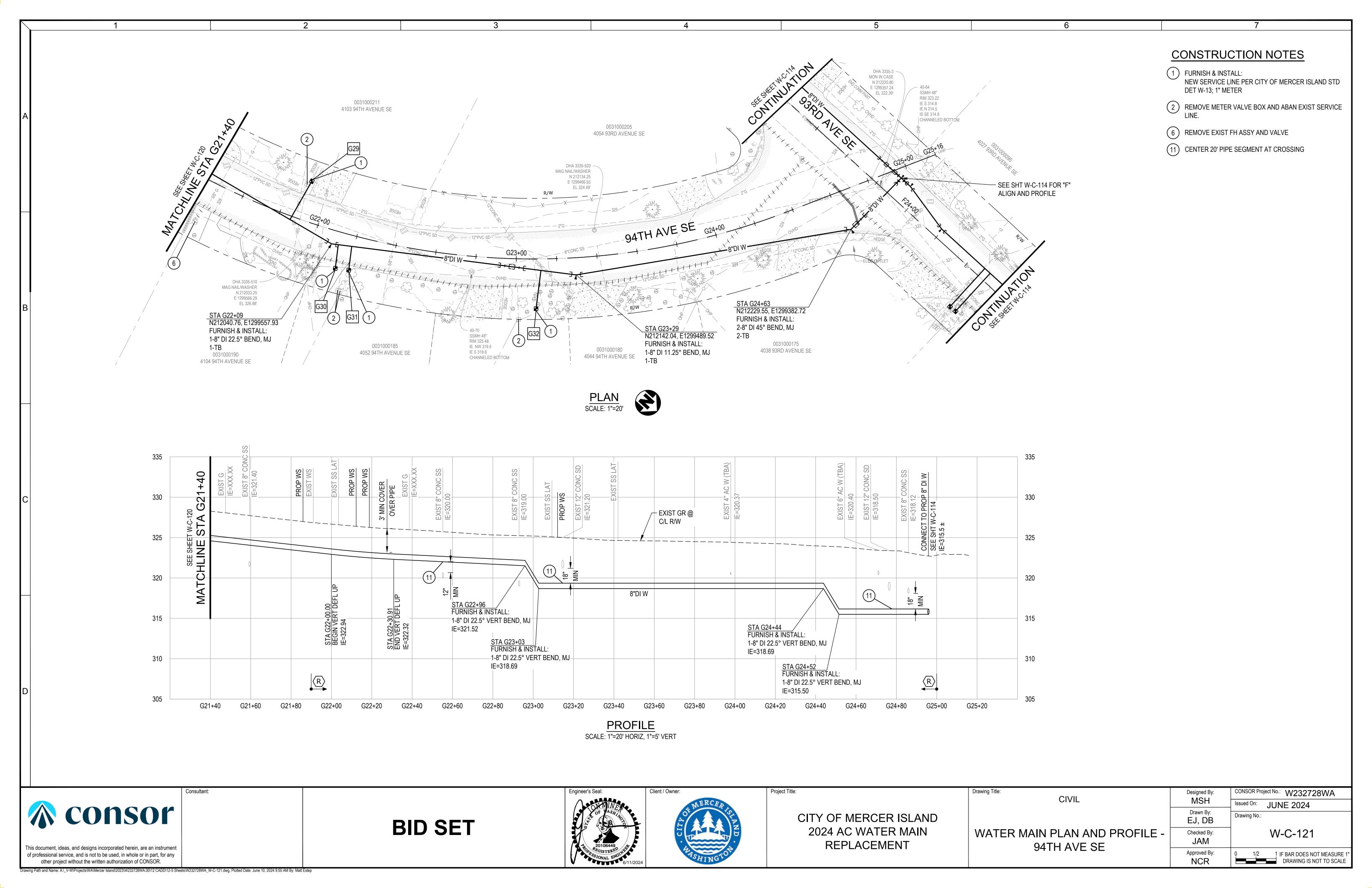


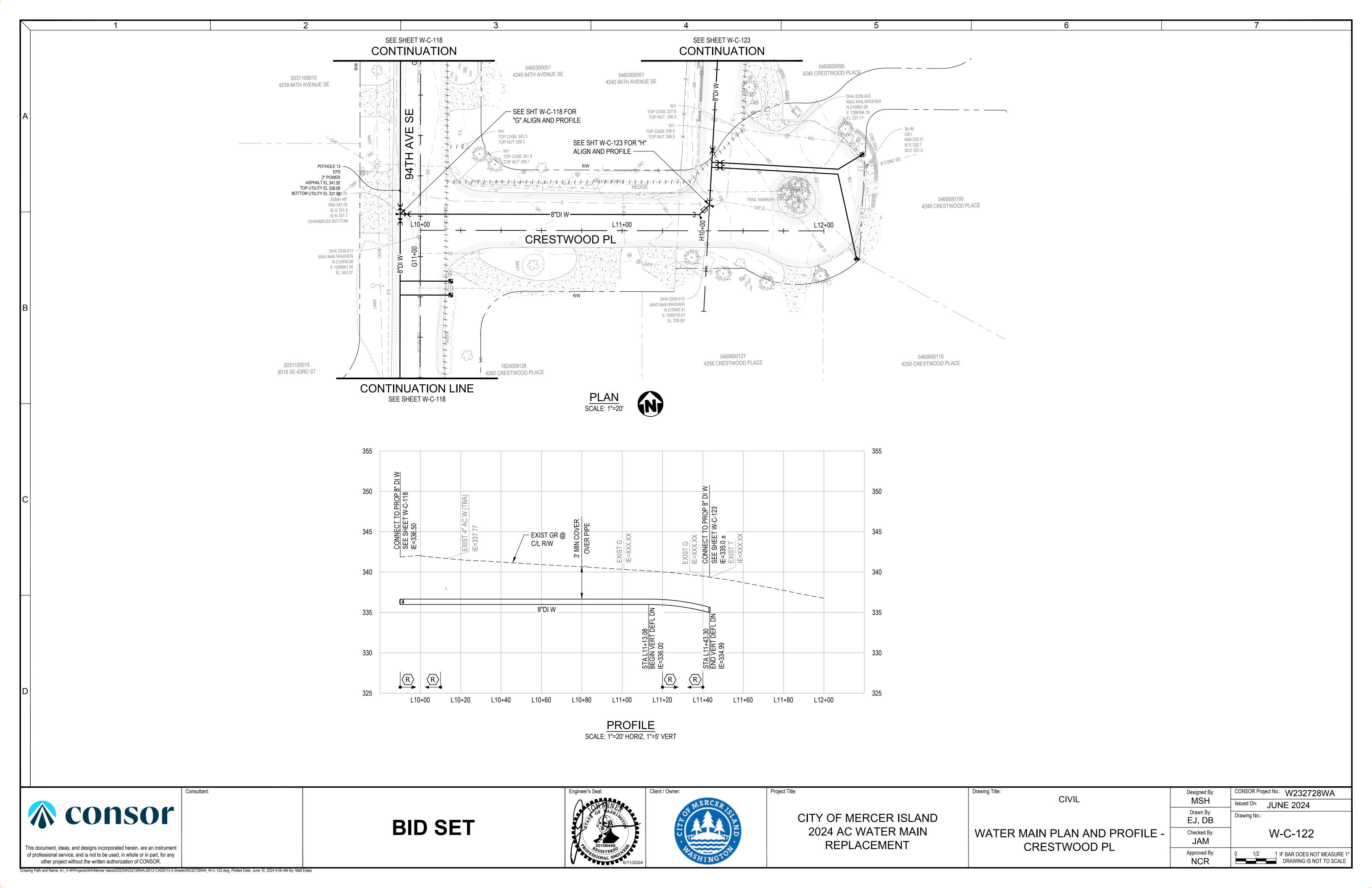


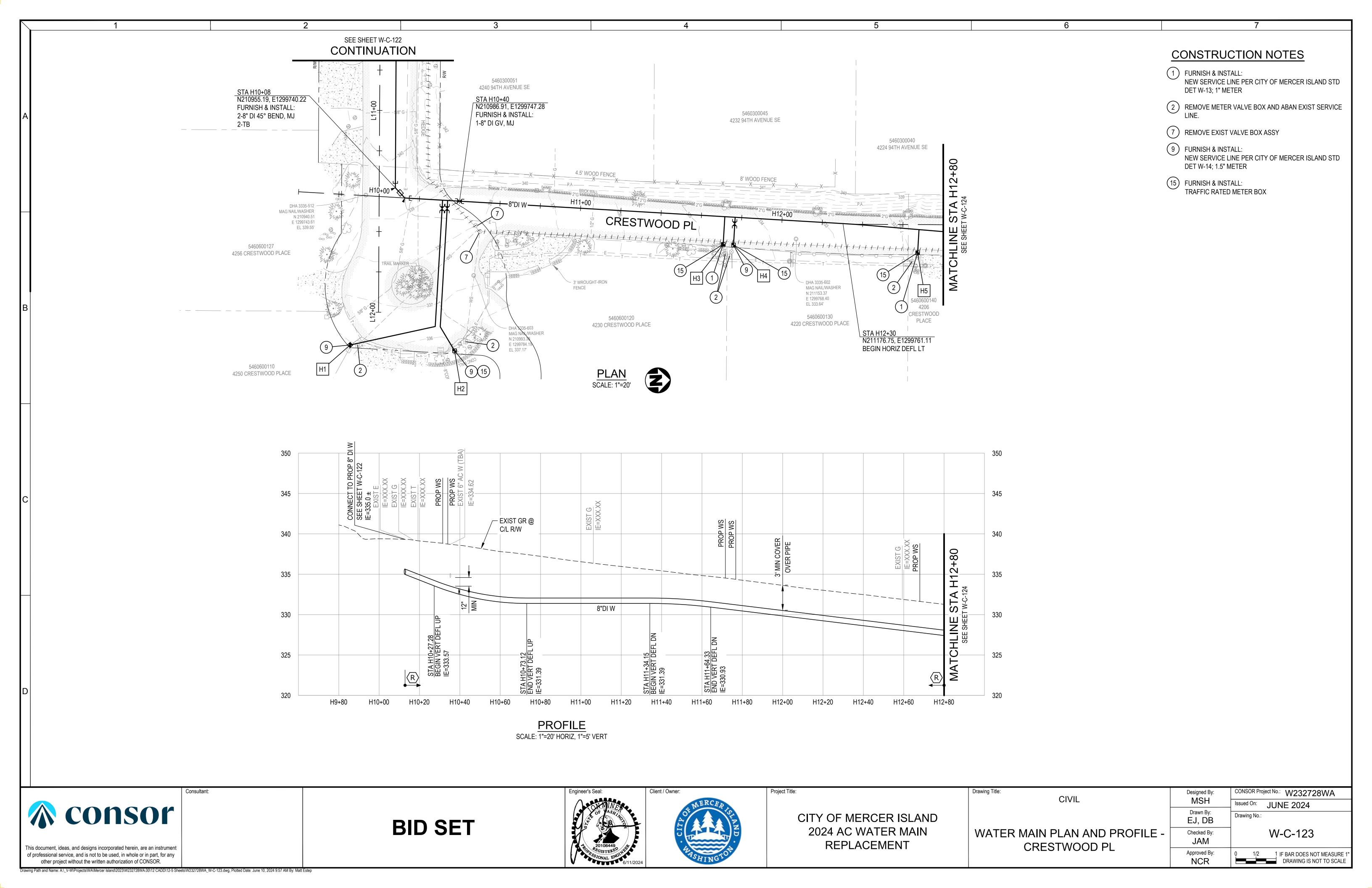


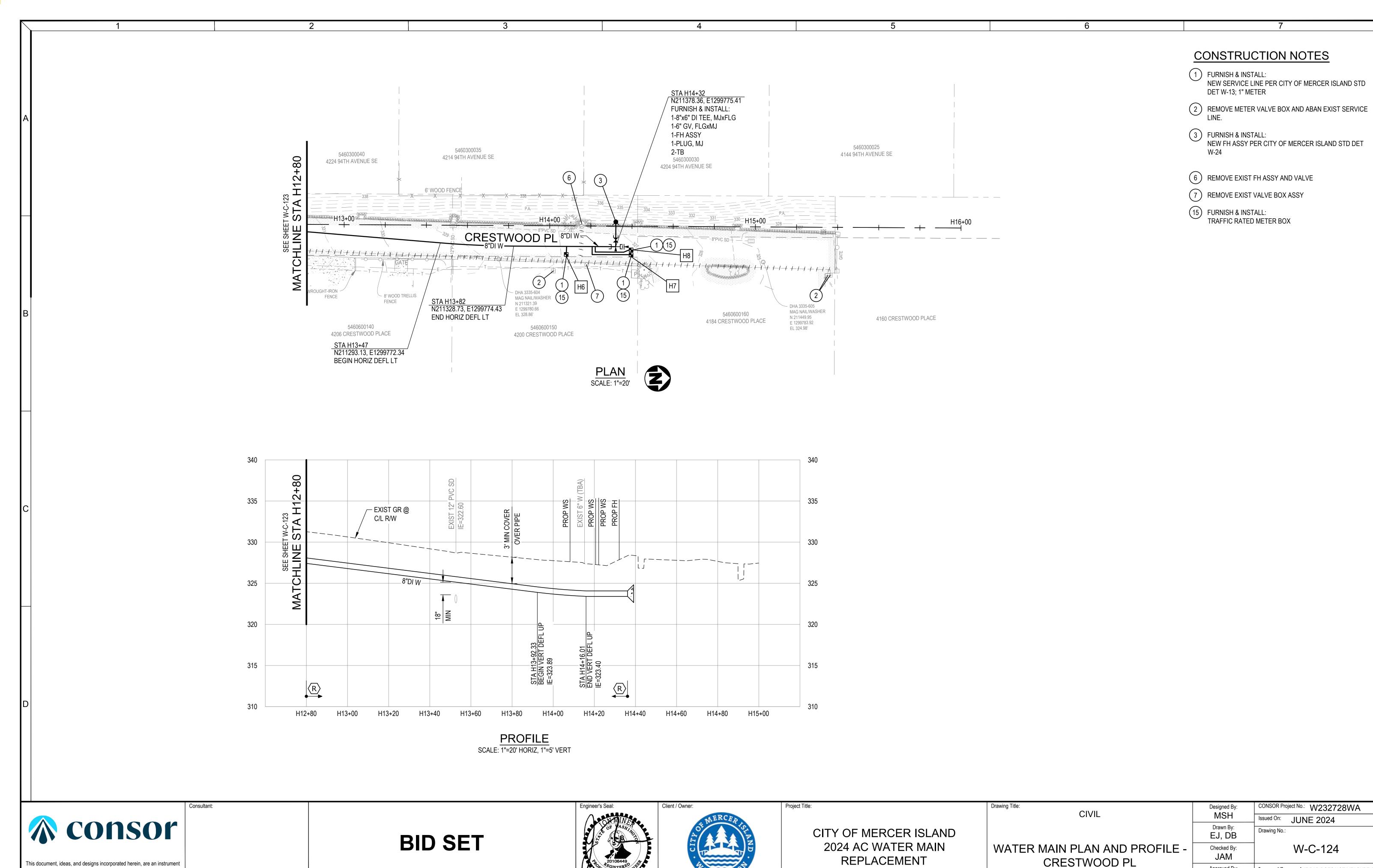












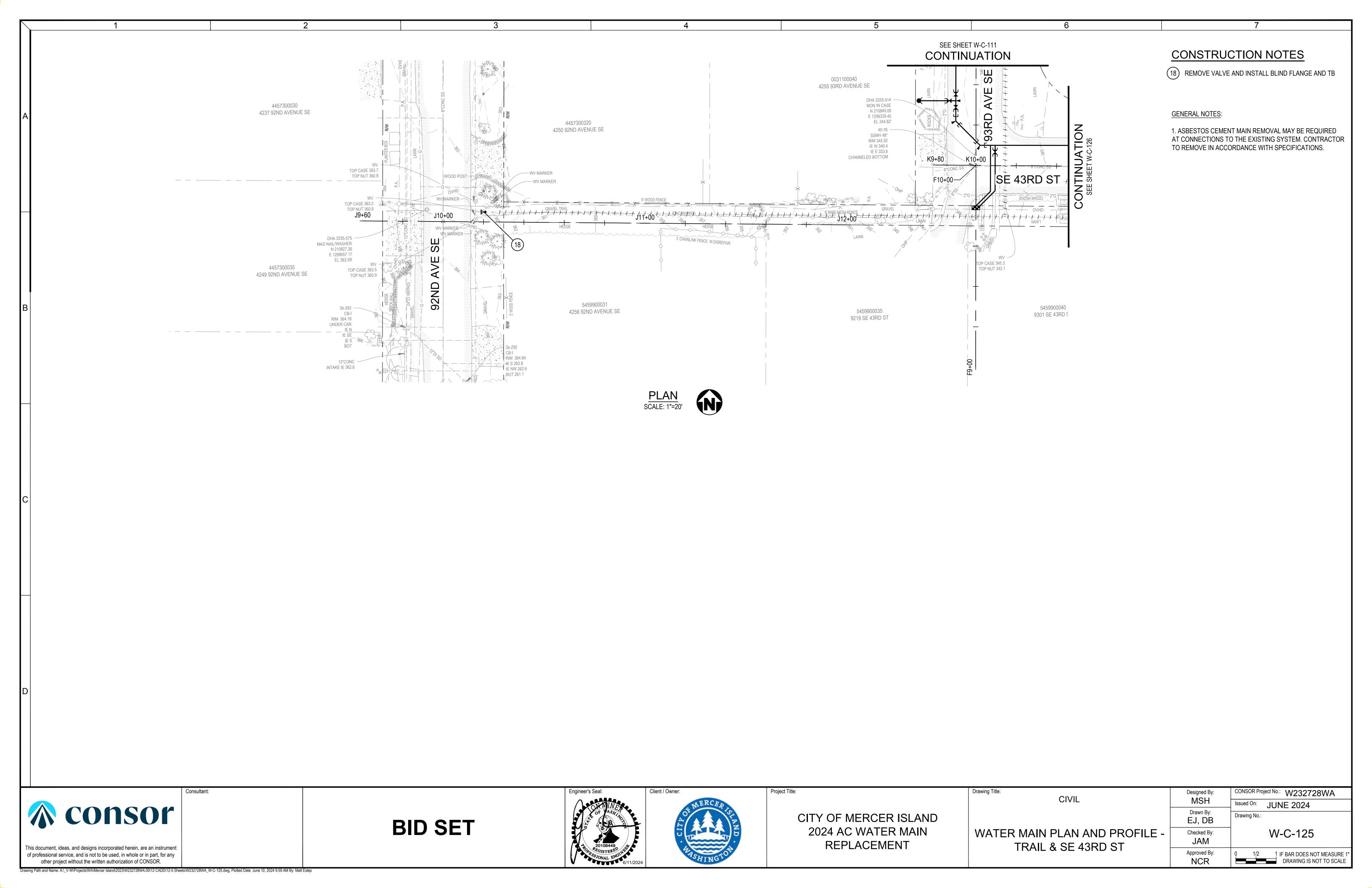
of professional service, and is not to be used, in whole or in part, for any

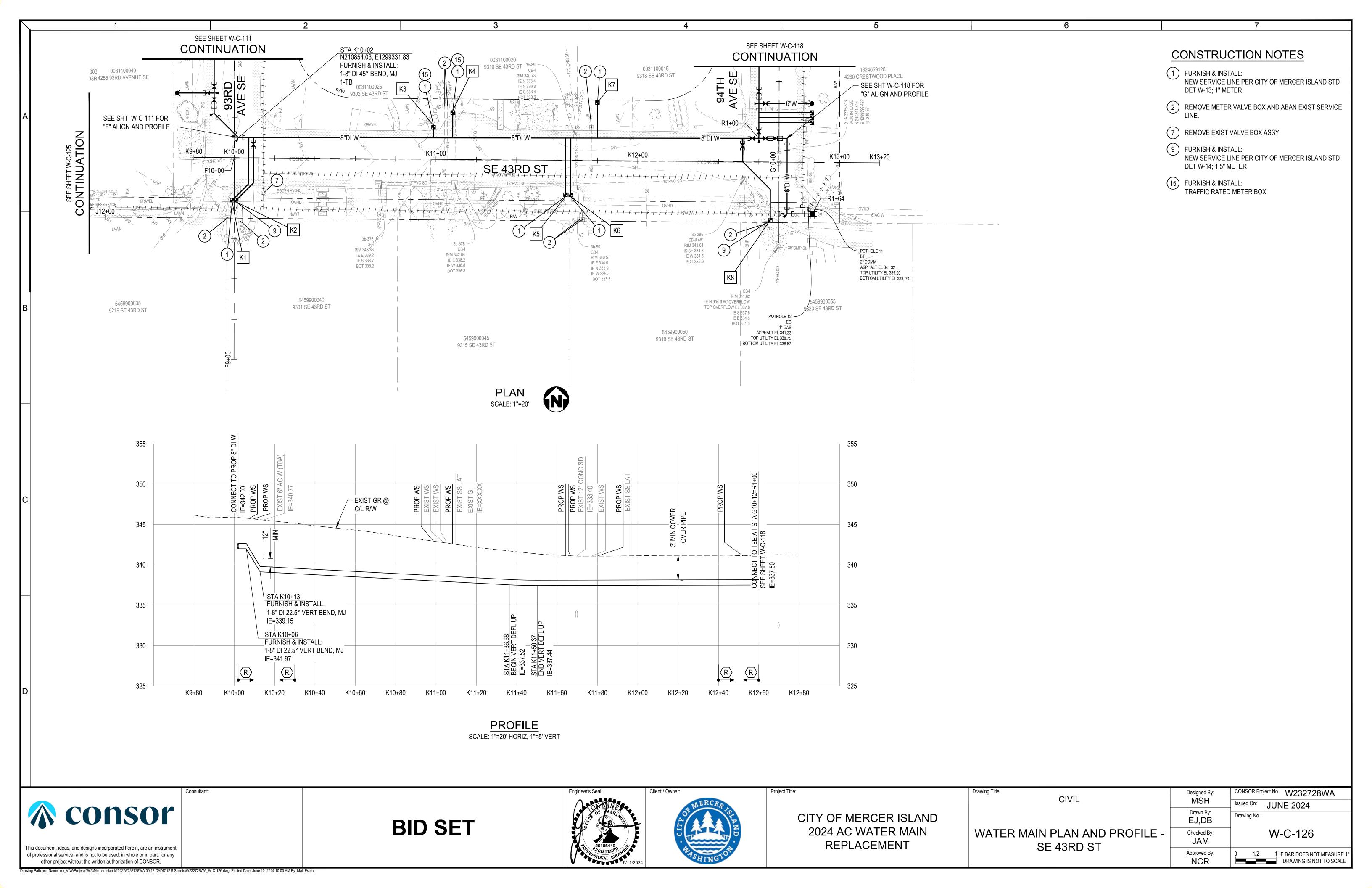
other project without the written authorization of CONSOR.

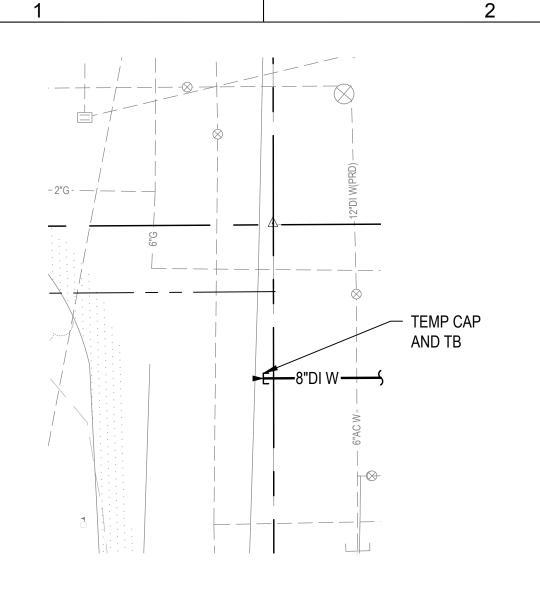
0 1/2 1 IF BAR DOES NOT MEASURE 1'DRAWING IS NOT TO SCALE

Approved By:

NCR



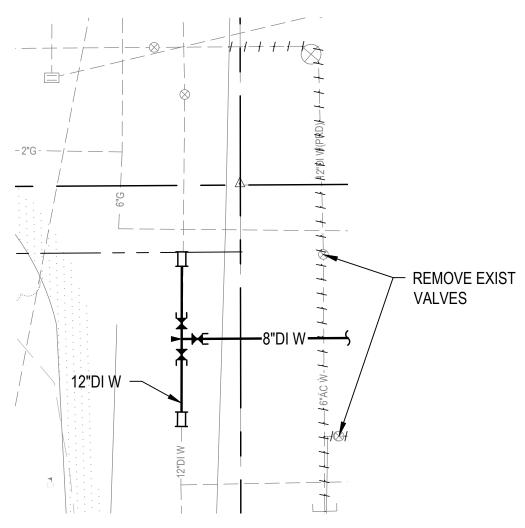




ANTICIPATED TESTING CONFIGURATION

NOTES:

- 1. TEMPORARY THRUST BLOCKS SHALL BE ECOLOGY BLOCK OR ENGINEER APPROVED EQUAL.
- 2. CONNECTION MAY REQUIRE MULTIPLE SHUTDOWNS. CONTRACTOR TO MAKE CONNECTION WITH MINIMUM NUMBER OF SHUTDOWNS NECESSARY.
- 3. NO ADDITIONAL PAYMENT WILL BE MADE IF MULTIPLE SHUTDOWNS ARE REQUIRED.

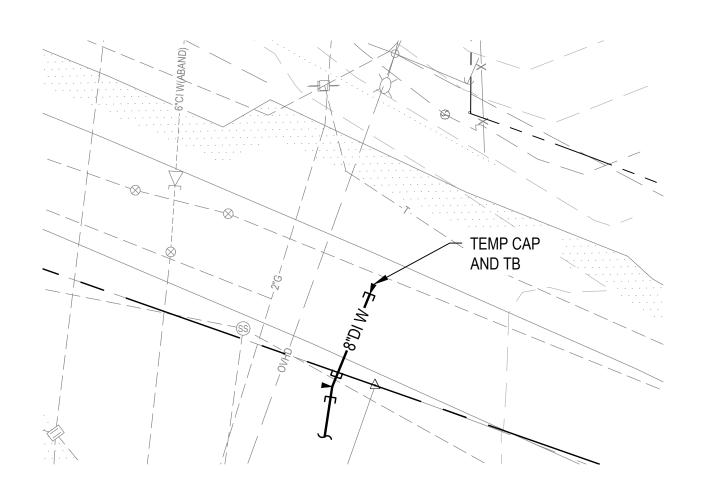


FINAL CONFIGURATION





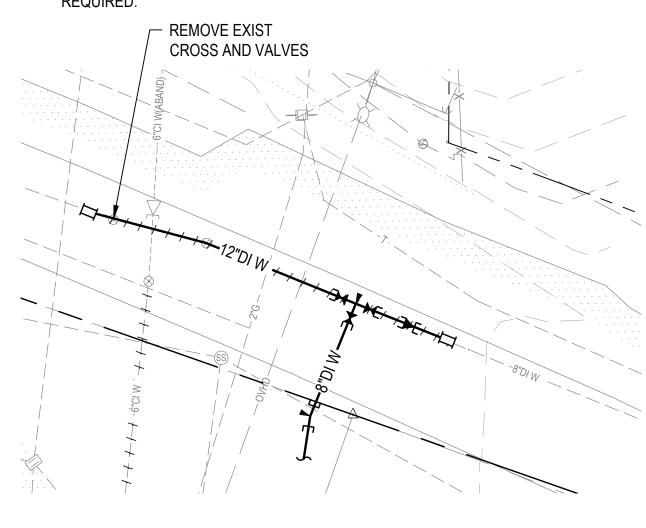
GREENBRIER LN STA C9+94



ANTICIPATED TESTING CONFIGURATION

NOTES:

- 1. TEMPORARY THRUST BLOCKS SHALL BE ECOLOGY BLOCK OR ENGINEER APPROVED EQUAL.
- 2. CONNECTION MAY REQUIRE MULTIPLE SHUTDOWNS. CONTRACTOR TO MAKE CONNECTION WITH MINIMUM NUMBER OF SHUTDOWNS NECESSARY.
- 3. NO ADDITIONAL PAYMENT WILL BE MADE IF MULTIPLE SHUTDOWNS ARE REQUIRED.

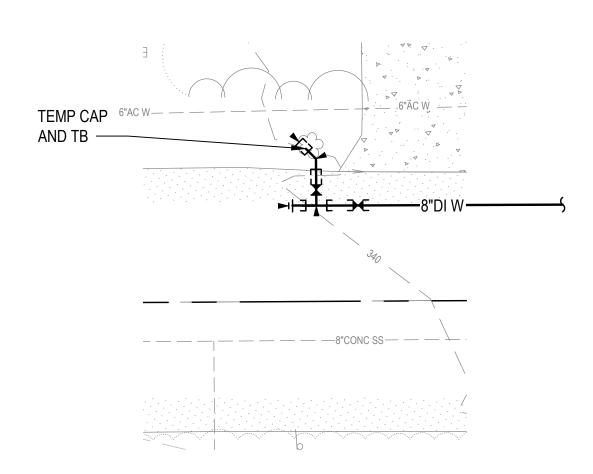


FINAL CONFIGURATION





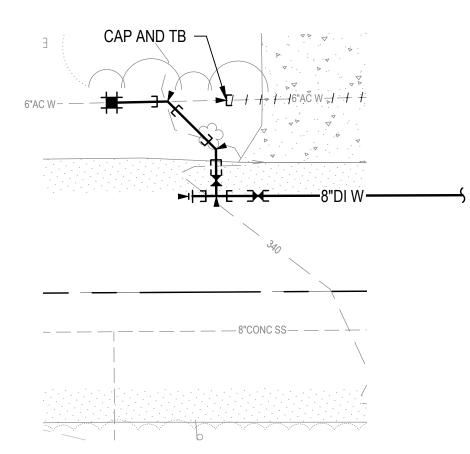
MERCERWOOD DR STA P10+07



ANTICIPATED TESTING CONFIGURATION

NOTES:

- 1. TEMPORARY THRUST BLOCKS SHALL BE ECOLOGY BLOCK OR ENGINEER APPROVED EQUAL.
- 2. CONNECTION MAY REQUIRE MULTIPLE SHUTDOWNS. CONTRACTOR TO MAKE CONNECTION WITH MINIMUM NUMBER OF SHUTDOWNS NECESSARY.
- 3. NO ADDITIONAL PAYMENT WILL BE MADE IF MULTIPLE SHUTDOWNS ARE REQUIRED.

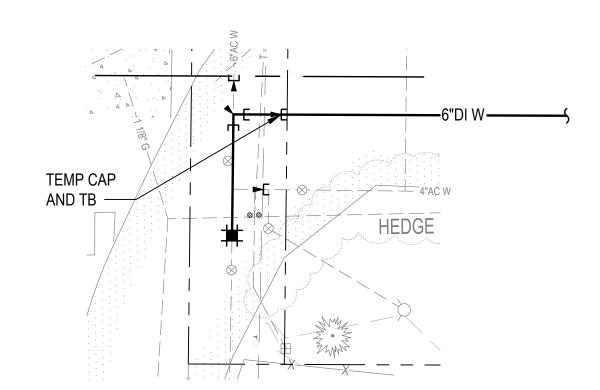


FINAL CONFIGURATION





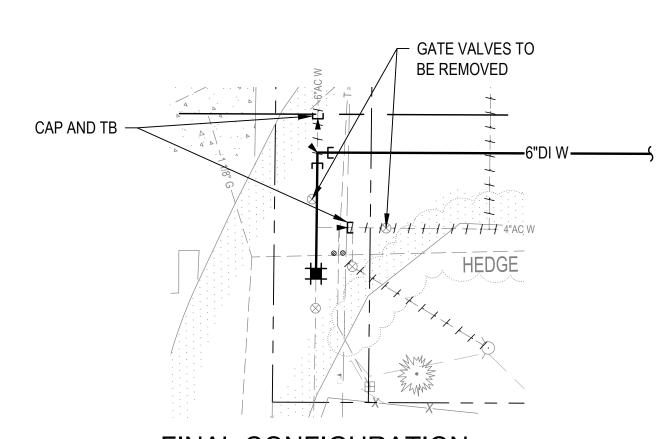
SE 42ND ST STA E8+91



ANTICIPATED TESTING CONFIGURATION

NOTES:

- 1. TEMPORARY THRUST BLOCKS SHALL BE ECOLOGY BLOCK OR ENGINEER APPROVED EQUAL.
- 2. CONNECTION MAY REQUIRE MULTIPLE SHUTDOWNS. CONTRACTOR TO MAKE CONNECTION WITH MINIMUM NUMBER OF SHUTDOWNS NECESSARY.
- 3. NO ADDITIONAL PAYMENT WILL BE MADE IF MULTIPLE SHUTDOWNS ARE REQUIRED.



FINAL CONFIGURATION





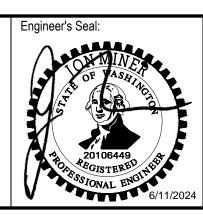
94TH AVE SE STA R1+64

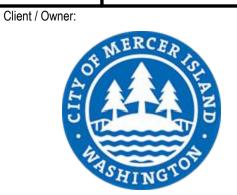


other project without the written authorization of CONSOR.

This document, ideas, and designs incorporated herein, are an instrument of professional service, and is not to be used, in whole or in part, for any

BID SET





CITY OF MERCER ISLAND 2024 AC WATER MAIN

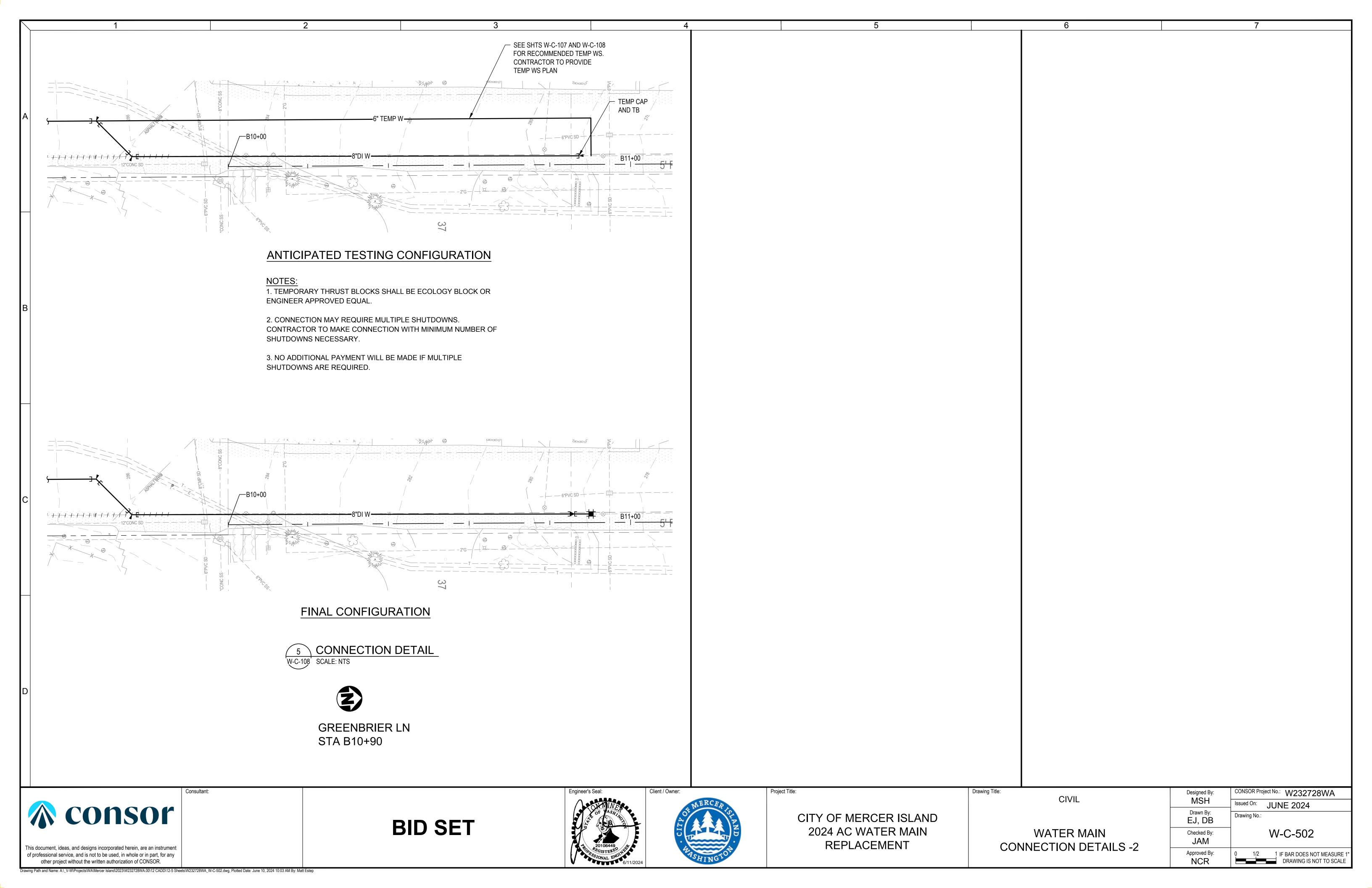
REPLACEMENT

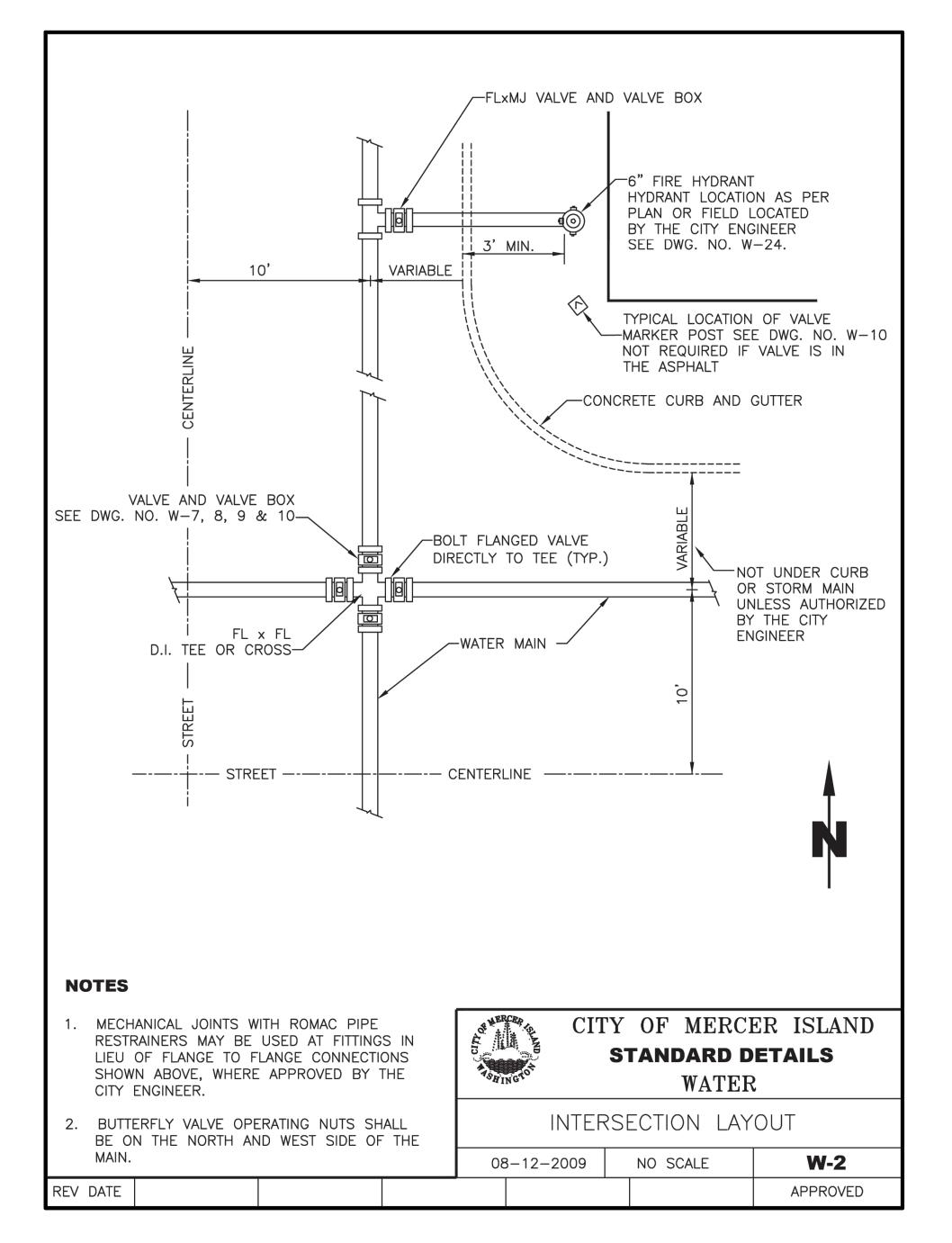
WATER MAIN **CONNECTION DETAILS - 1**

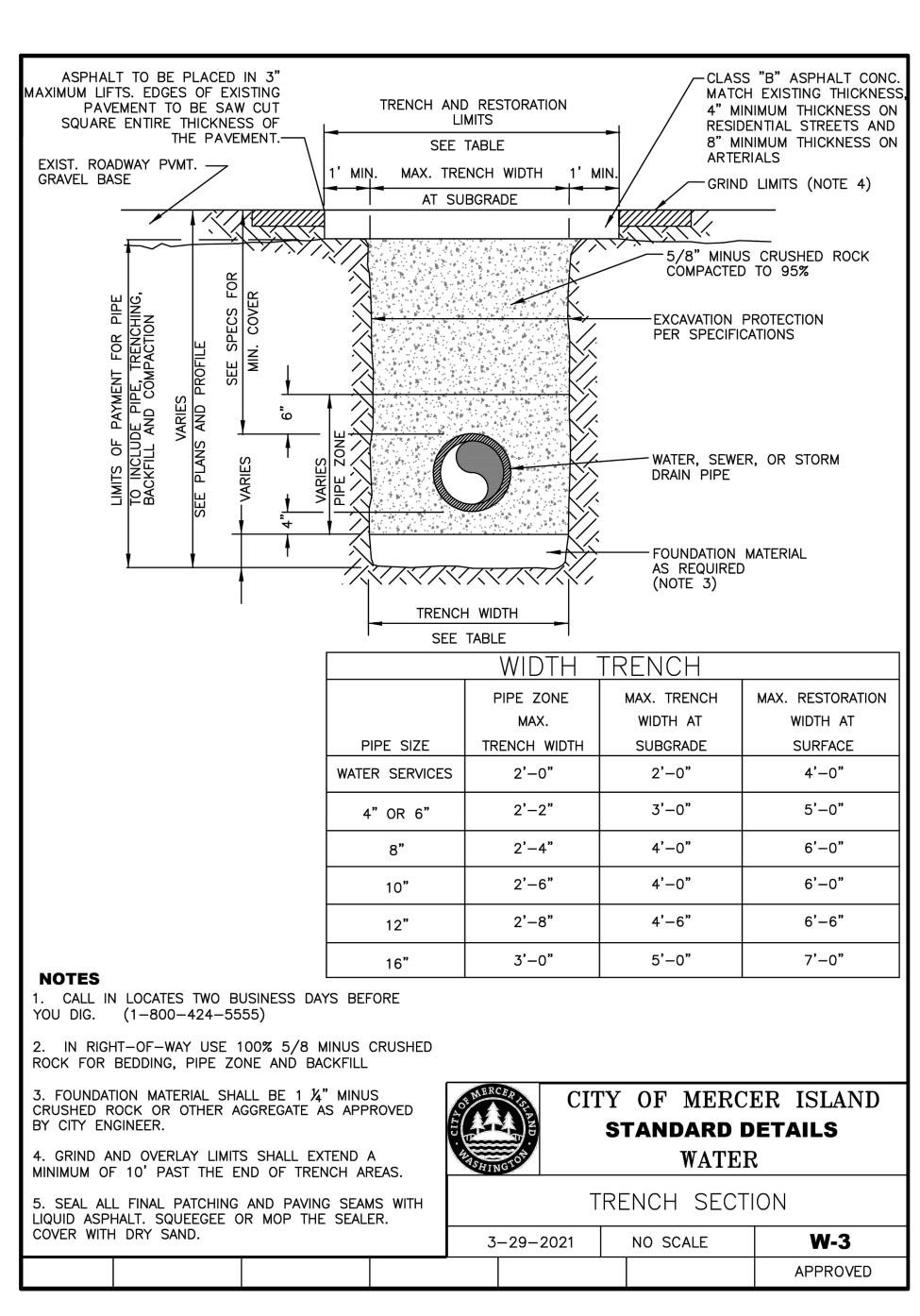
CIVIL

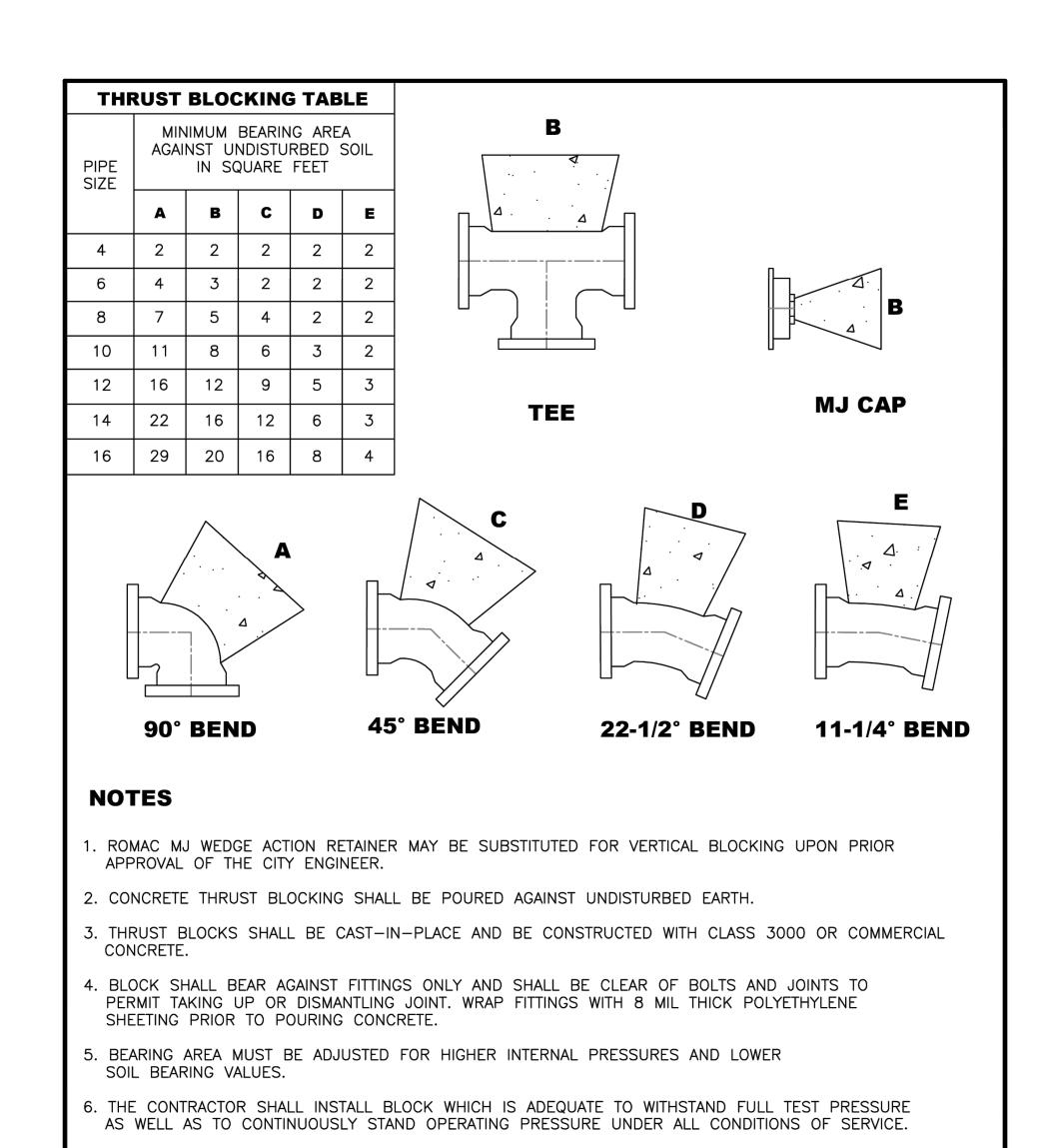
CONSOR Project No.: W232728WA Issued On: JUNE 2024 Drawn By: EJ, ĎB W-C-501 Checked By: JAM 0 1/2 1 IF BAR DOES NOT MEASURE 1
DRAWING IS NOT TO SCALE Approved By:

Drawing Title:



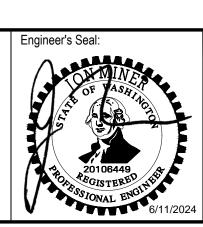


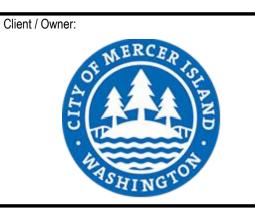






This document, ideas, and designs incorporated herein, are an instrument of professional service, and is not to be used, in whole or in part, for any





Project Title:

CITY STANDARD WATER **DETAILS - 1**

CIVIL

Drawing Title:

Designed By:	CONSOR Project No.: W232728WA						
MSH	Issued On: JUNE 2024						
Drawn By: EJ, DB	Drawing No.:						
Checked By: JAM	W-C-503						
Approved By: NCR	0 1/2 1 IF BAR DOES NOT MEASURE 1" DRAWING IS NOT TO SCALE						

CITY OF MERCER ISLAND

STANDARD DETAILS

WATER

W-5A

HORIZONTAL CONCRETE BLOCKING

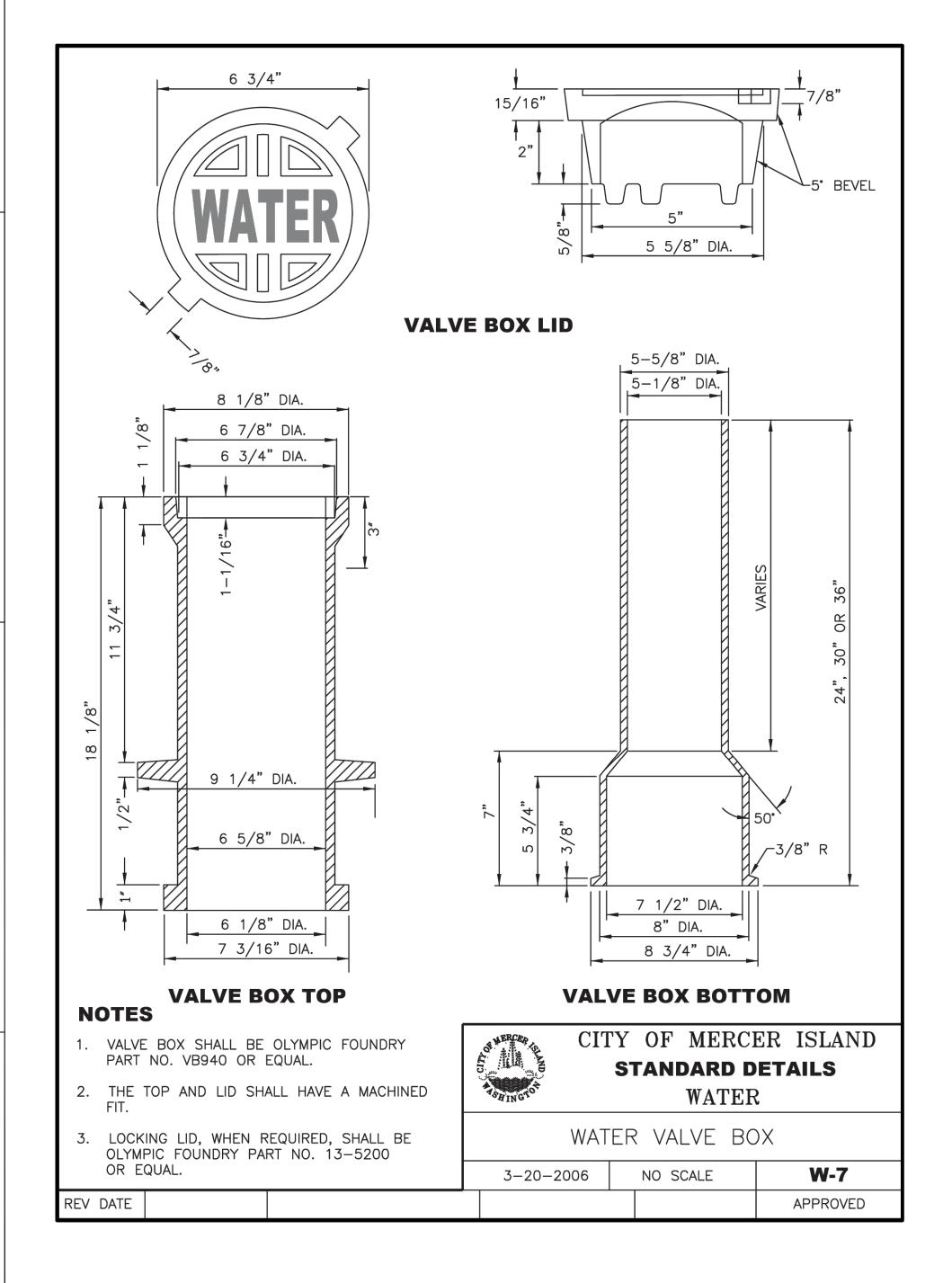
NO SCALE

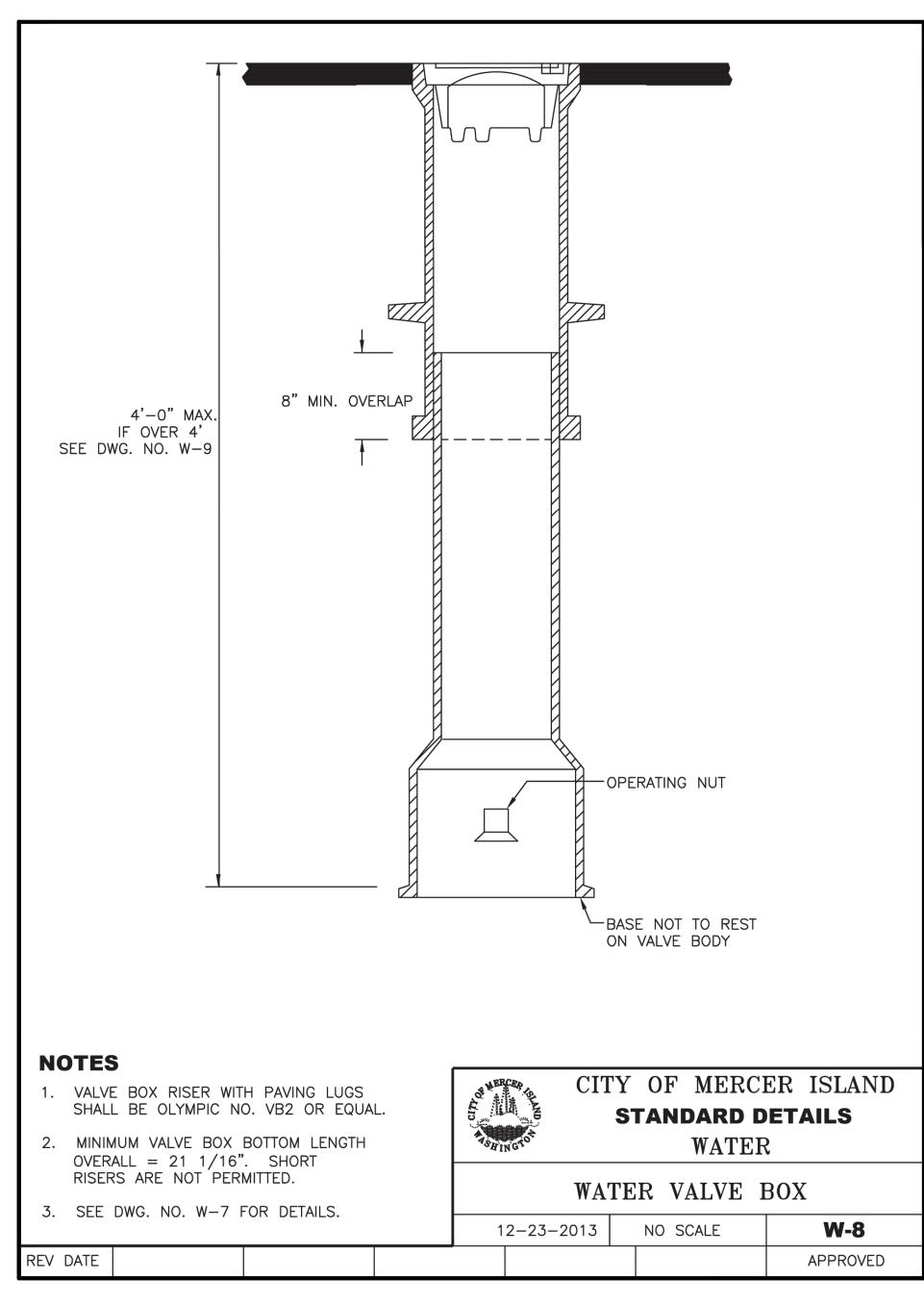
3-30-2021

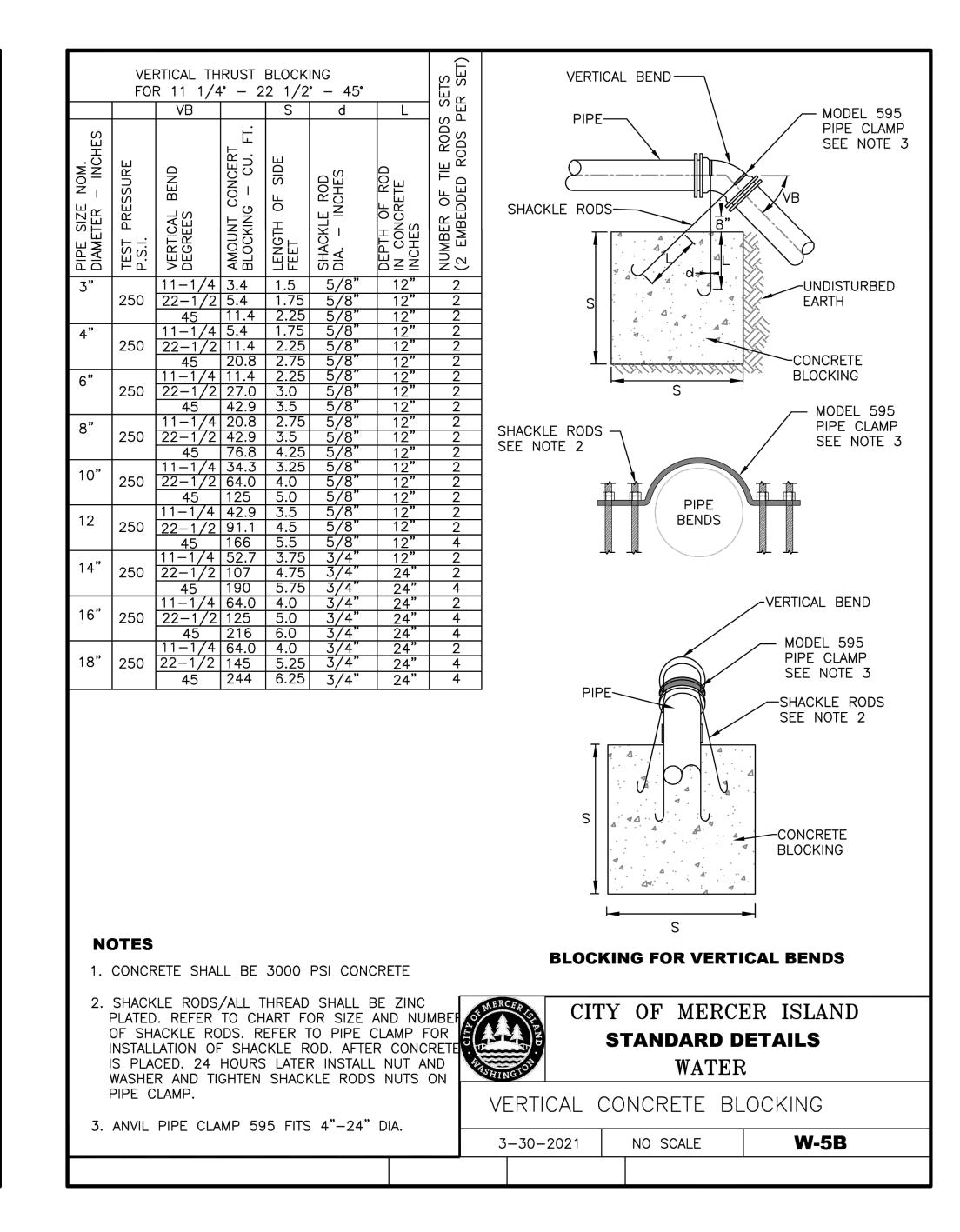
BID SET

CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

other project without the written authorization of CONSOR. rawing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_W-C-503.dwg, Plotted Date: June 10, 2024 10:04 AM By: Matt Estep









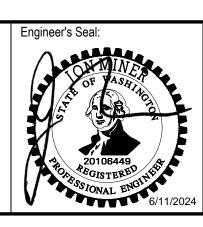
This document, ideas, and designs incorporated herein, are an instrument

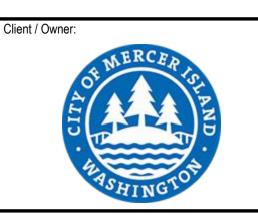
of professional service, and is not to be used, in whole or in part, for any

rawing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_W-C-504.dwg, Plotted Date: June 10, 2024 10:04 AM By: Matt Estep

other project without the written authorization of CONSOR.

BID SET





Project Title:

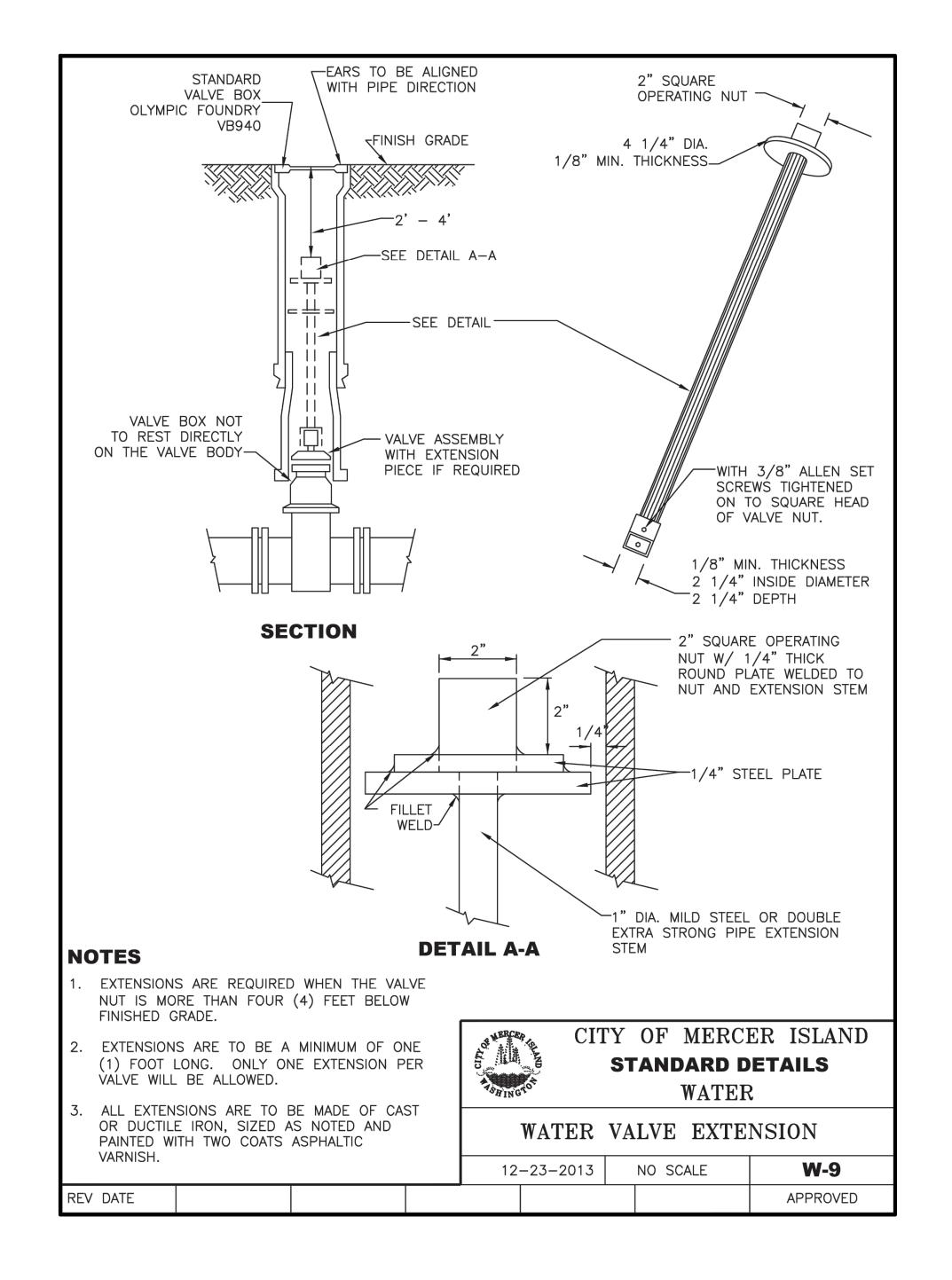
CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

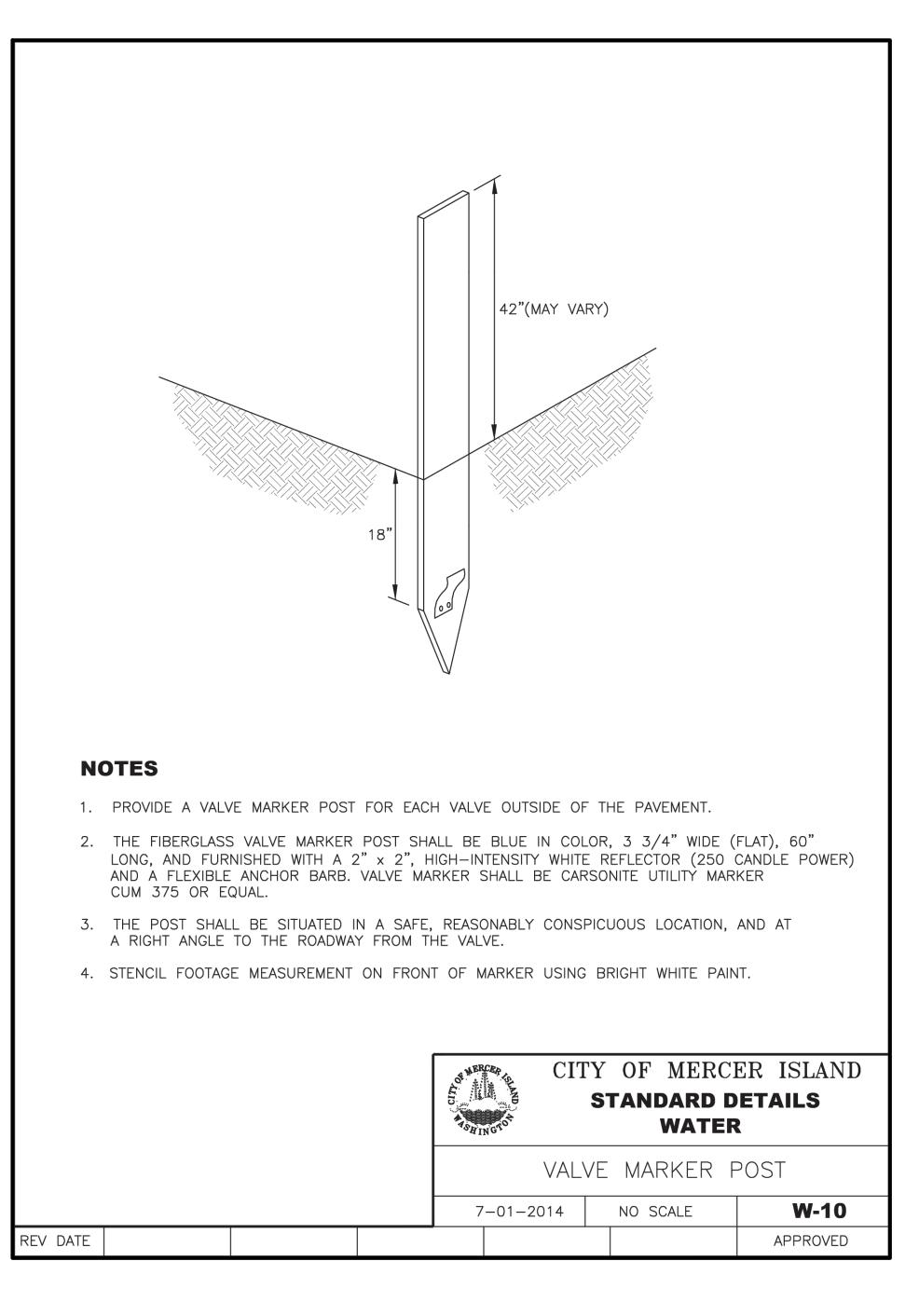
CITY STANDARD WATER DETAILS - 2

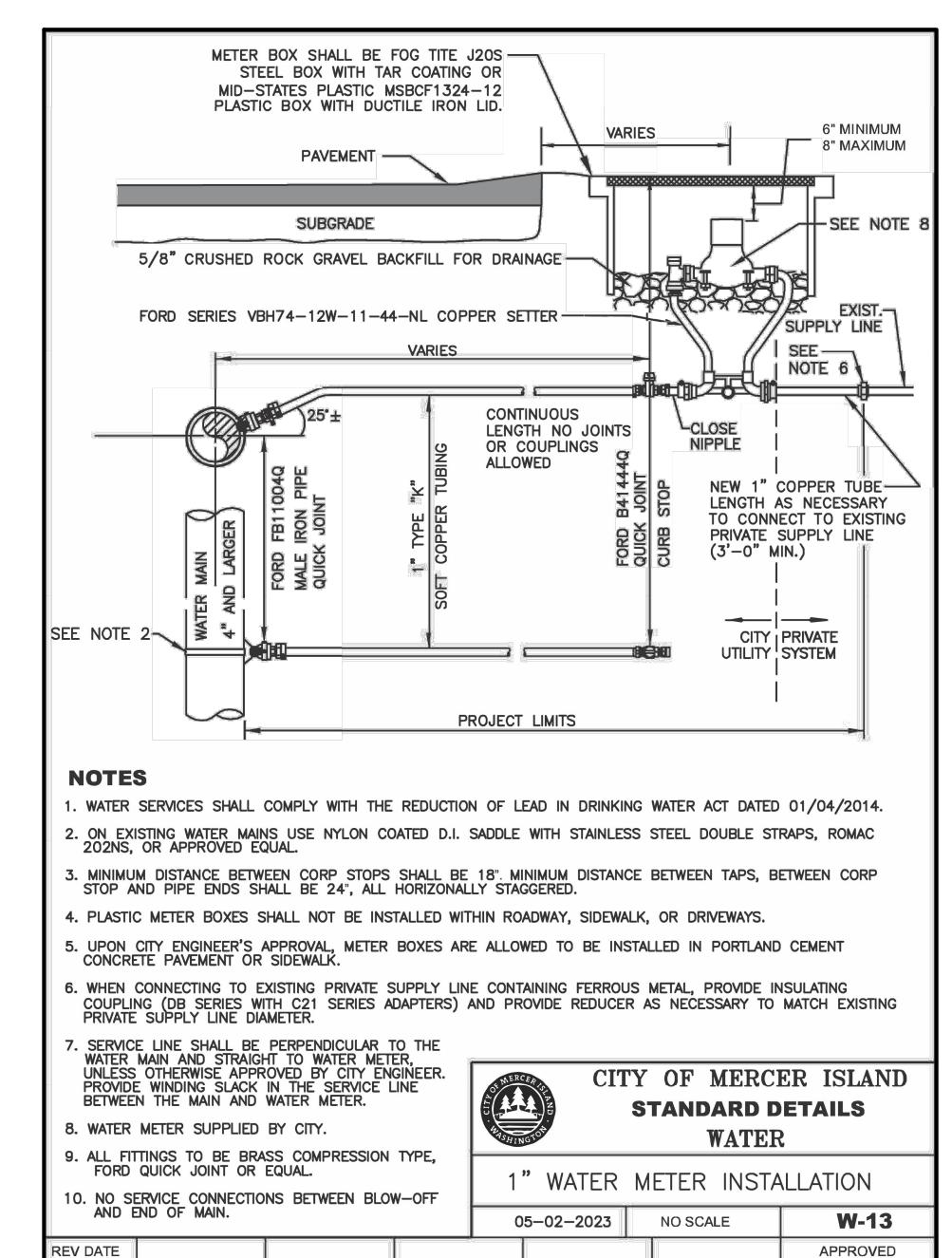
CIVIL

Drawing Title:

CONSOR Project No.: W232728WA Designed By MSH Issued On: JUNE 2024 Drawn By: Drawing No.: EJ, DB W-C-504 Checked By: JAM Approved By: 0 1/2 1 IF BAR DOES NOT MEASURE NCR DRAWING IS NOT TO SCALE







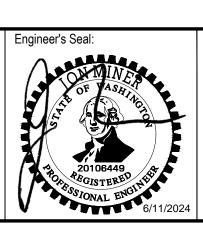


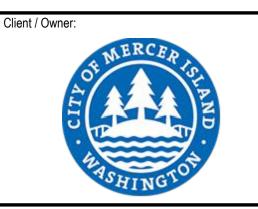
This document, ideas, and designs incorporated herein, are an instrument

of professional service, and is not to be used, in whole or in part, for any

Drawing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_W-C-505.dwg, Plotted Date: June 10, 2024 10:04 AM By: Matt Estep

other project without the written authorization of CONSOR.





CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

Project Title:

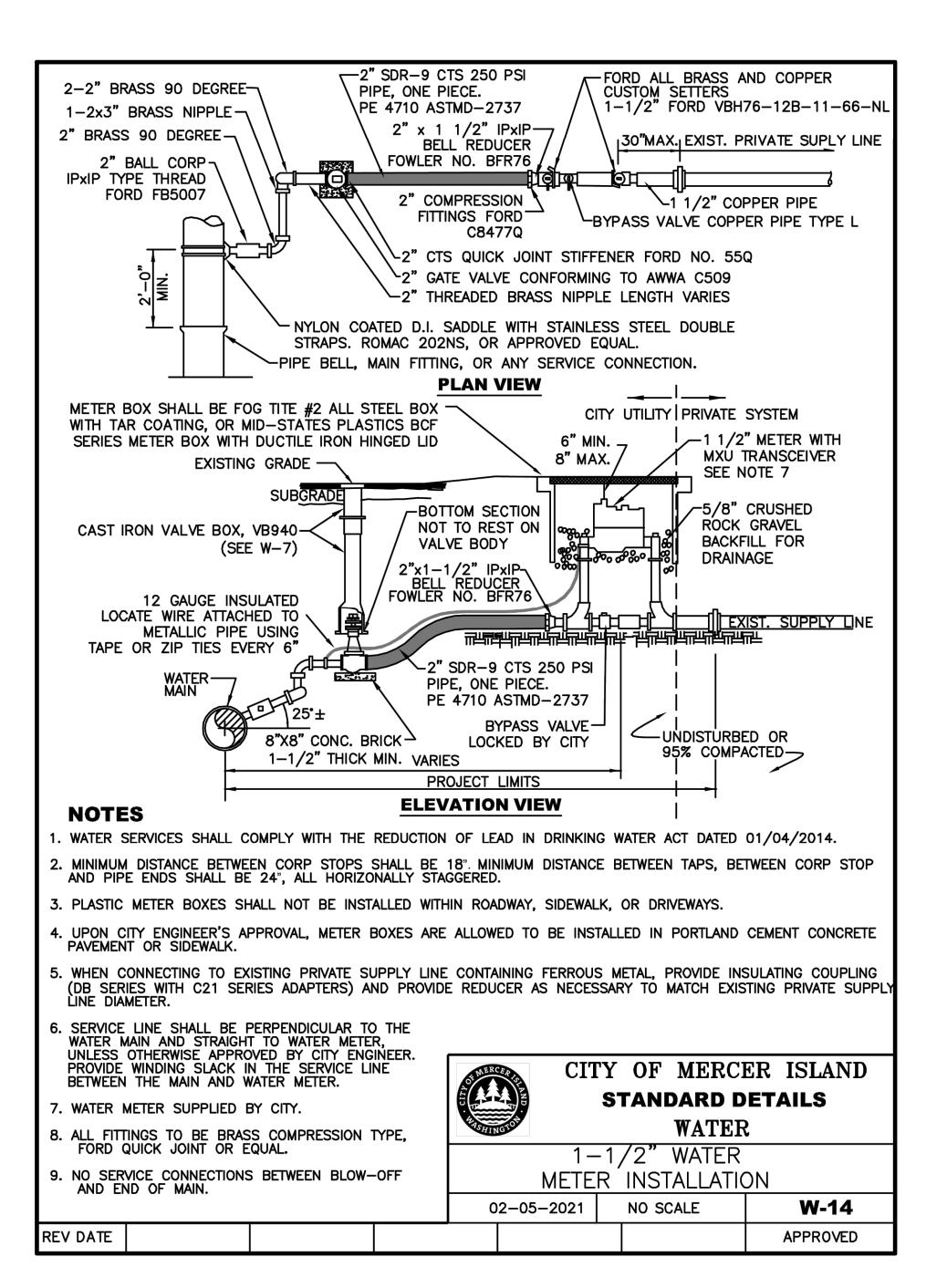
CITY STANDARD WATER DETAILS - 3

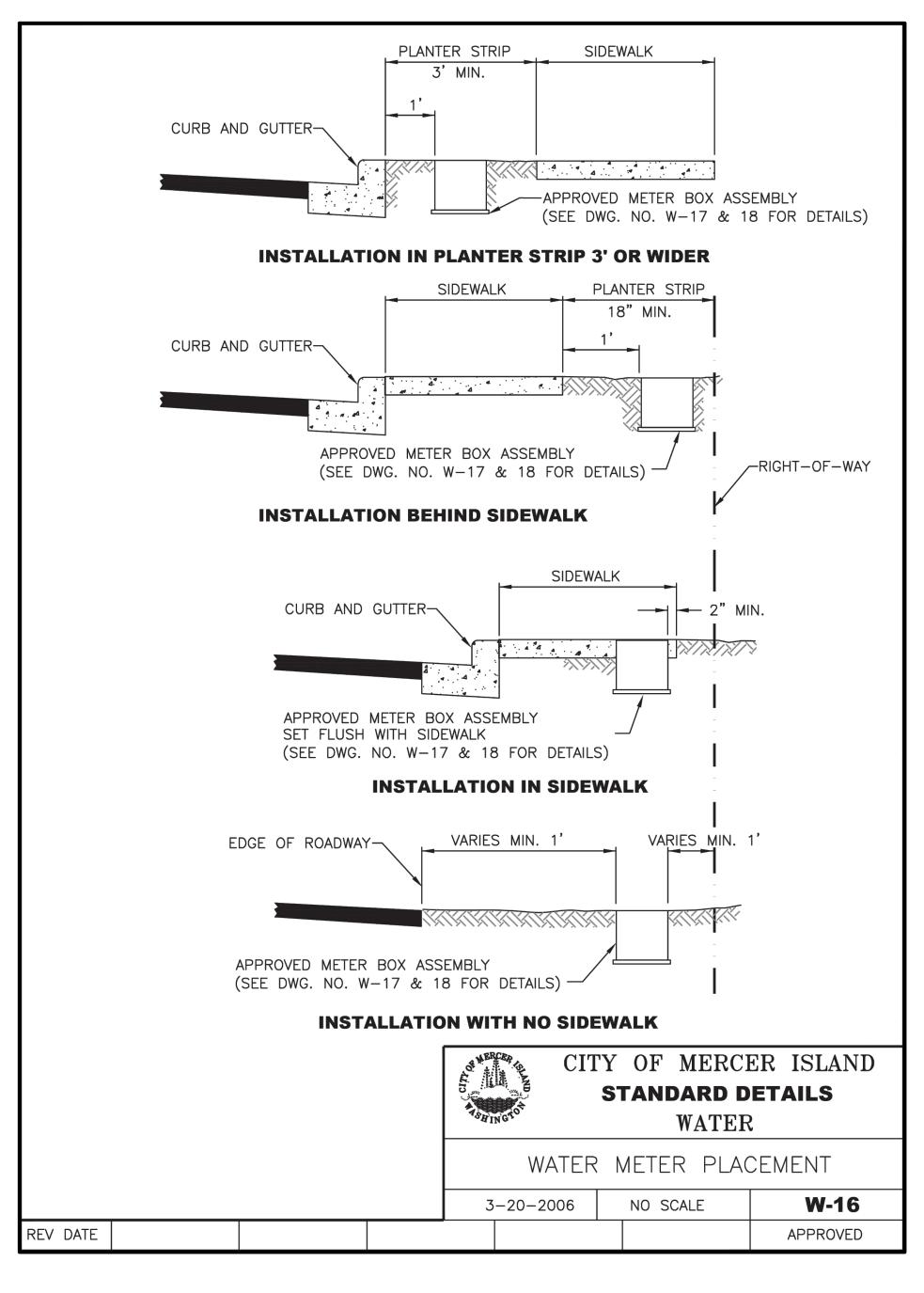
CIVIL

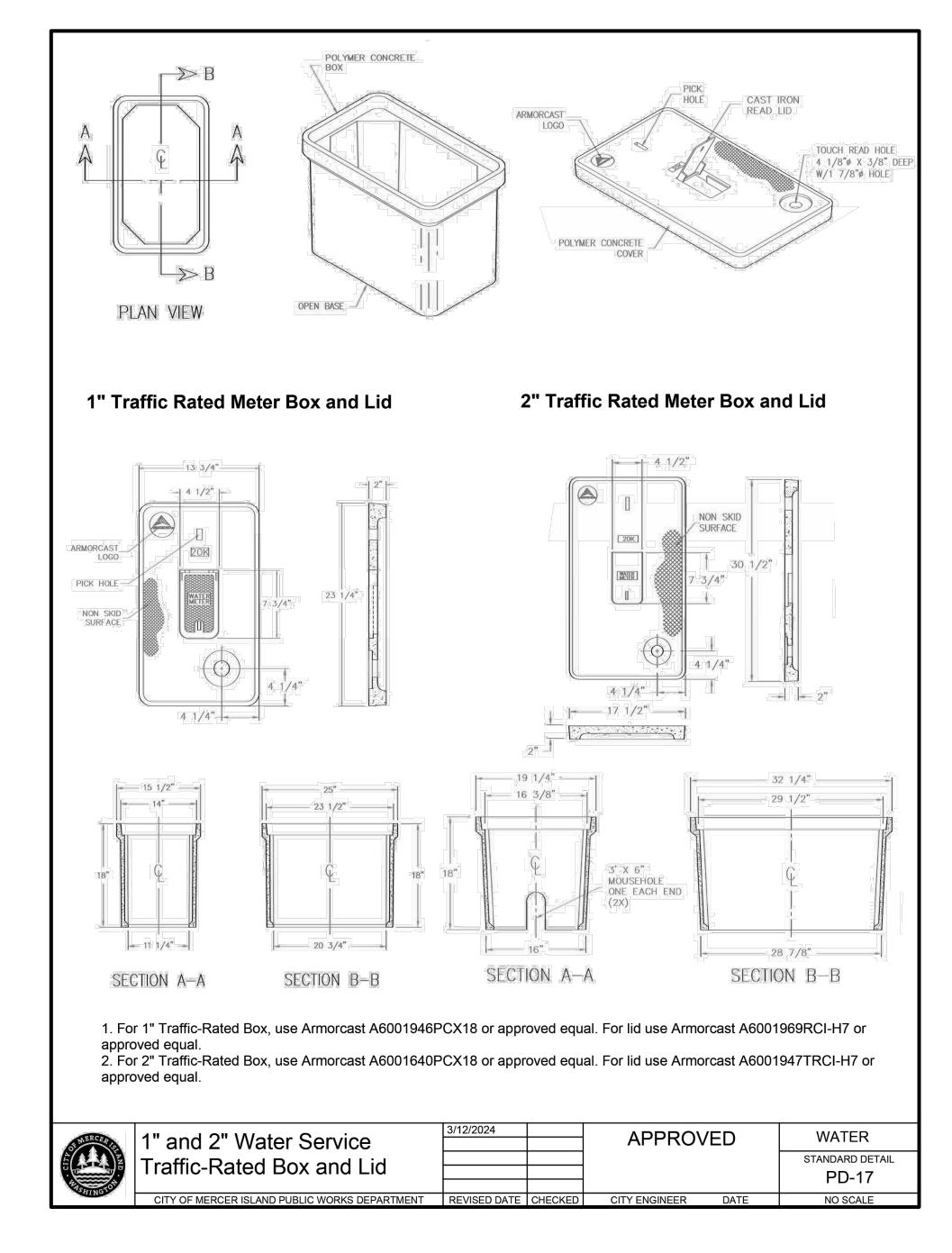
Drawing Title:

CONSOR Project No.: W232728WA Designed By MSH Issued On: JUNE 2024 Drawn By: Drawing No.: EJ, DB W-C-505 Checked By: JAM Approved By 1/2 1 IF BAR DOES NOT MEASURE 1 NCR DRAWING IS NOT TO SCALE

BID SET









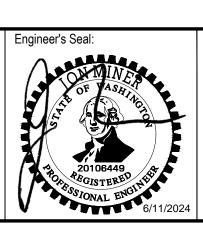
This document, ideas, and designs incorporated herein, are an instrument

of professional service, and is not to be used, in whole or in part, for any

awing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_W-C-506.dwg, Plotted Date: June 10, 2024 10:04 AM By: Matt Estep

other project without the written authorization of CONSOR.

BID SET





Project Title:

CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

CITY STANDARD WATER DETAILS - 4

CIVIL

Drawing Title:

Designed By:

MSH

Issued On: JUNE 2024

Drawn By:
EJ, DB

Checked By:
JAM

Approved By:
NCR

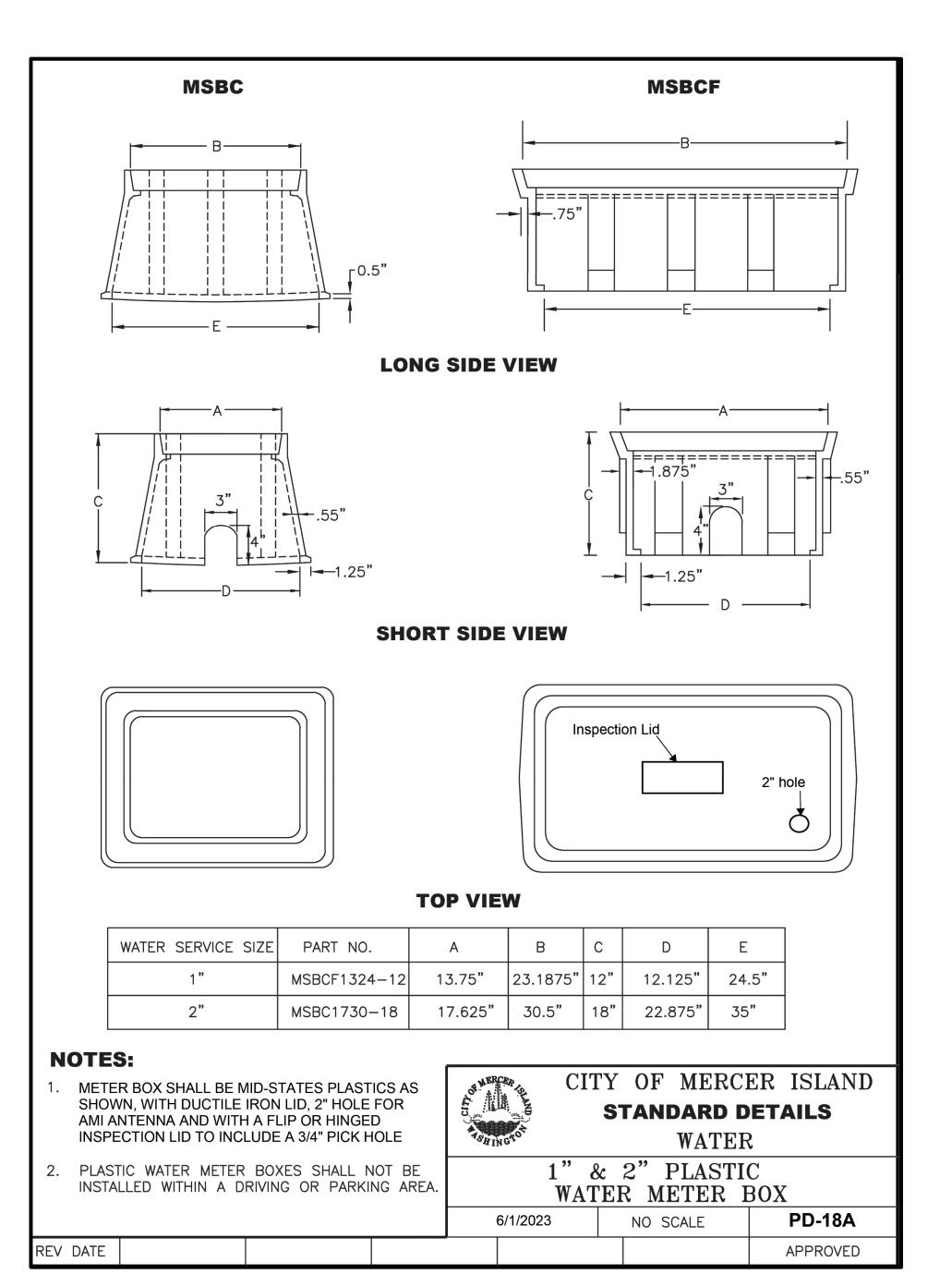
CONSOR Project No.: W232728WA

Issued On: JUNE 2024

Drawing No.:

W-C-506

IF BAR DOES NOT MEASURE
DRAWING IS NOT TO SCALE



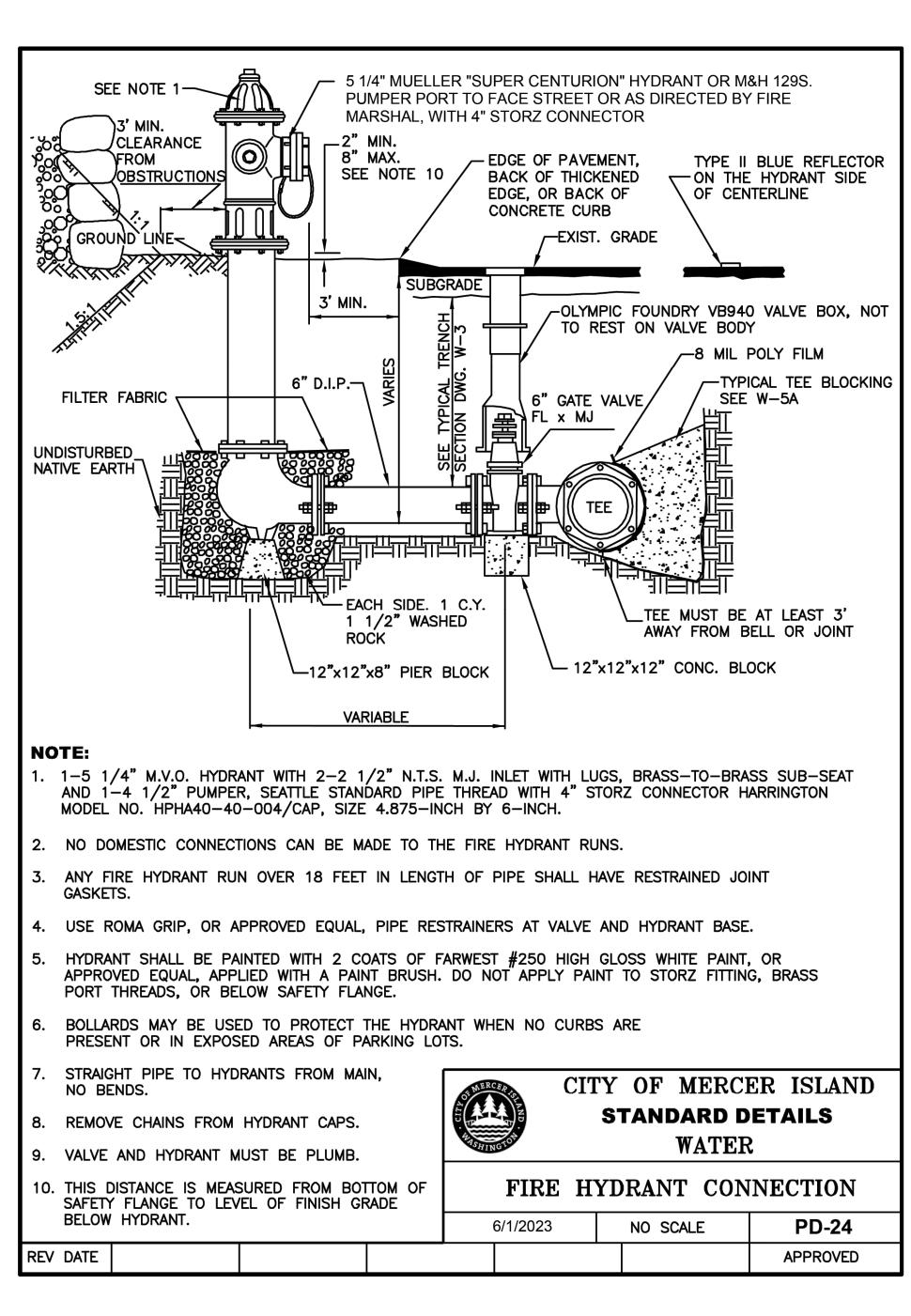
M consor

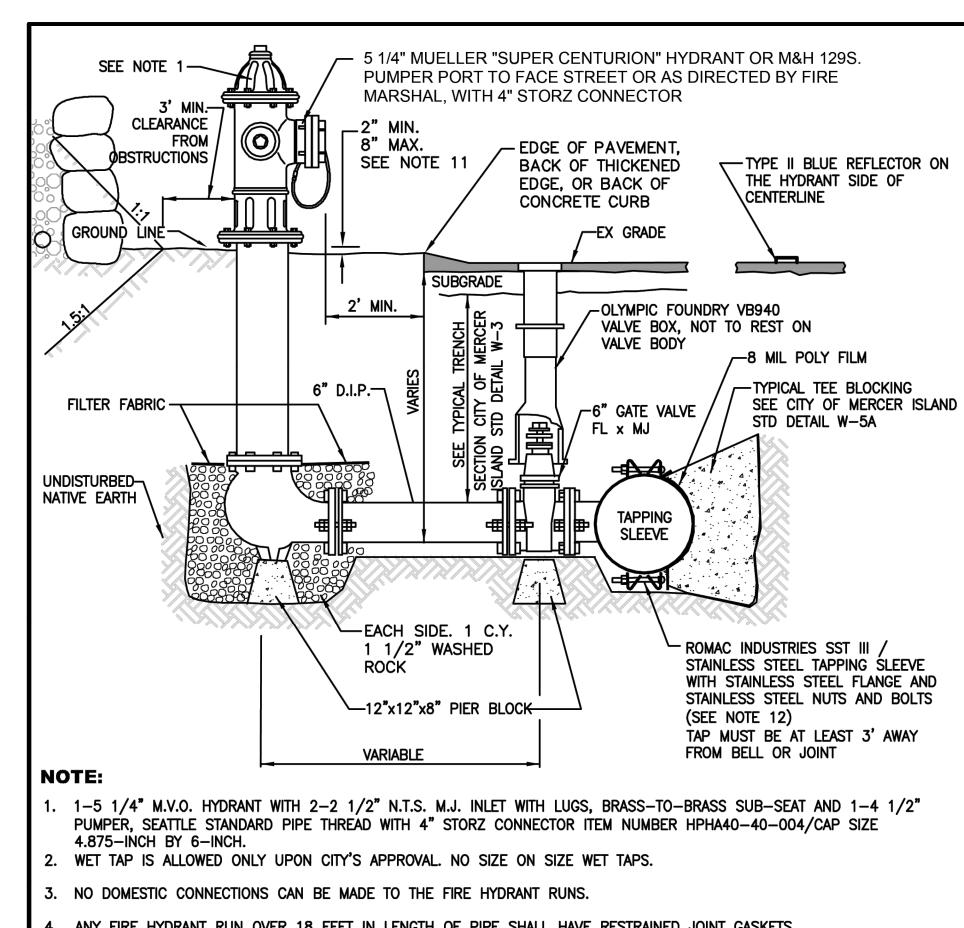
This document, ideas, and designs incorporated herein, are an instrument

of professional service, and is not to be used, in whole or in part, for any

other project without the written authorization of CONSOR.

awing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_W-C-507.dwg, Plotted Date: June 10, 2024 10:04 AM By: Matt Estep





- 4. ANY FIRE HYDRANT RUN OVER 18 FEET IN LENGTH OF PIPE SHALL HAVE RESTRAINED JOINT GASKETS.
- 5. USE ROMA GRIP, OR APPROVED EQUAL, PIPE RESTRAINERS AT VALVE AND HYDRANT BASE.
- 6. HYDRANT SHALL BE PAINTED WITH 2 COATS OF FARWEST #250 HIGH GLOSS WHITE PAINT, OR APPROVED EQUAL, APPLIED WITH A PAINT BRUSH. DO NOT APPLY PAINT TO STORZ FITTING, BRASS PORT THREADS, OR BELOW SAFETY FLANGE.
- 7. BOLLARDS MAY BE USED TO PROTECT THE HYDRANT ONLY IN PARKING LOTS WHEN NO CURBS ARE PRESENT OR IN EXPOSED AREAS OF PARKING LOTS.
- 8. STRAIGHT PIPE TO HYDRANTS FROM MAIN, NO BENDS.
- 9. REMOVE CHAINS FROM HYDRANT CAPS.
- 10. VALVE AND HYDRANT MUST BE PLUMB.

Drawing Title:

REV DATE

- 11. THIS DISTANCE IS MEASURED FROM BOTTOM OF SAFETY FLANGE TO LEVEL OF FINISH GRADE BELOW HYDRANT.
- 12. TAPPING SLEEVE O.D. (OUTSIDE DIAMETER) RANGE MUST BE COMMENSURATE WITH PIPE O.D.

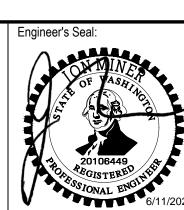


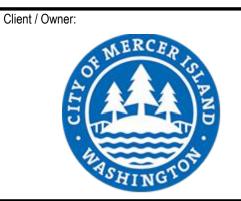
STANDARD DETAILS WATER

FIRE HYDRANT ASSEMBLY -

WET TAP INSTALLATION 6/1/2023 NO SCALE PD-24A APPROVED

BID SET





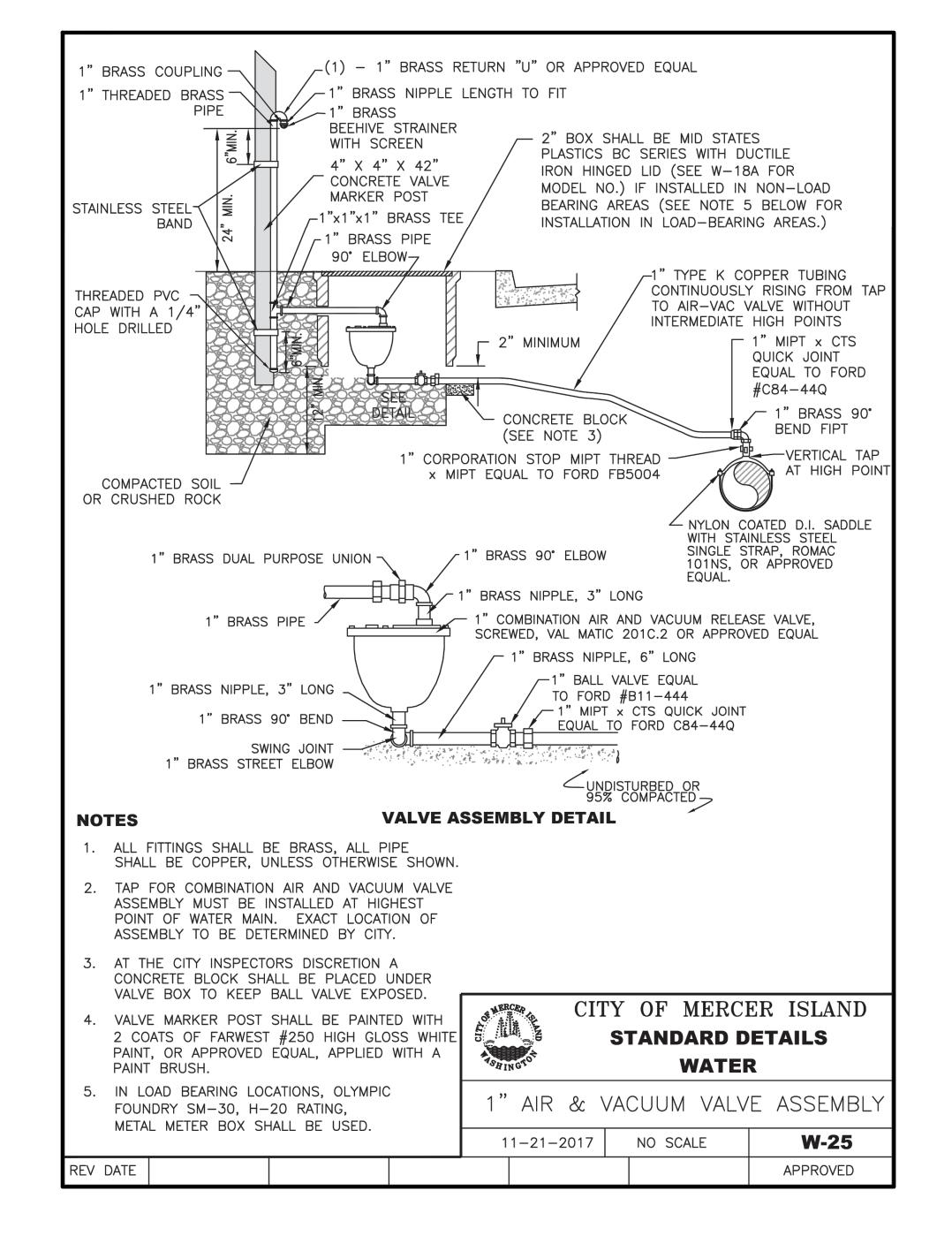
CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

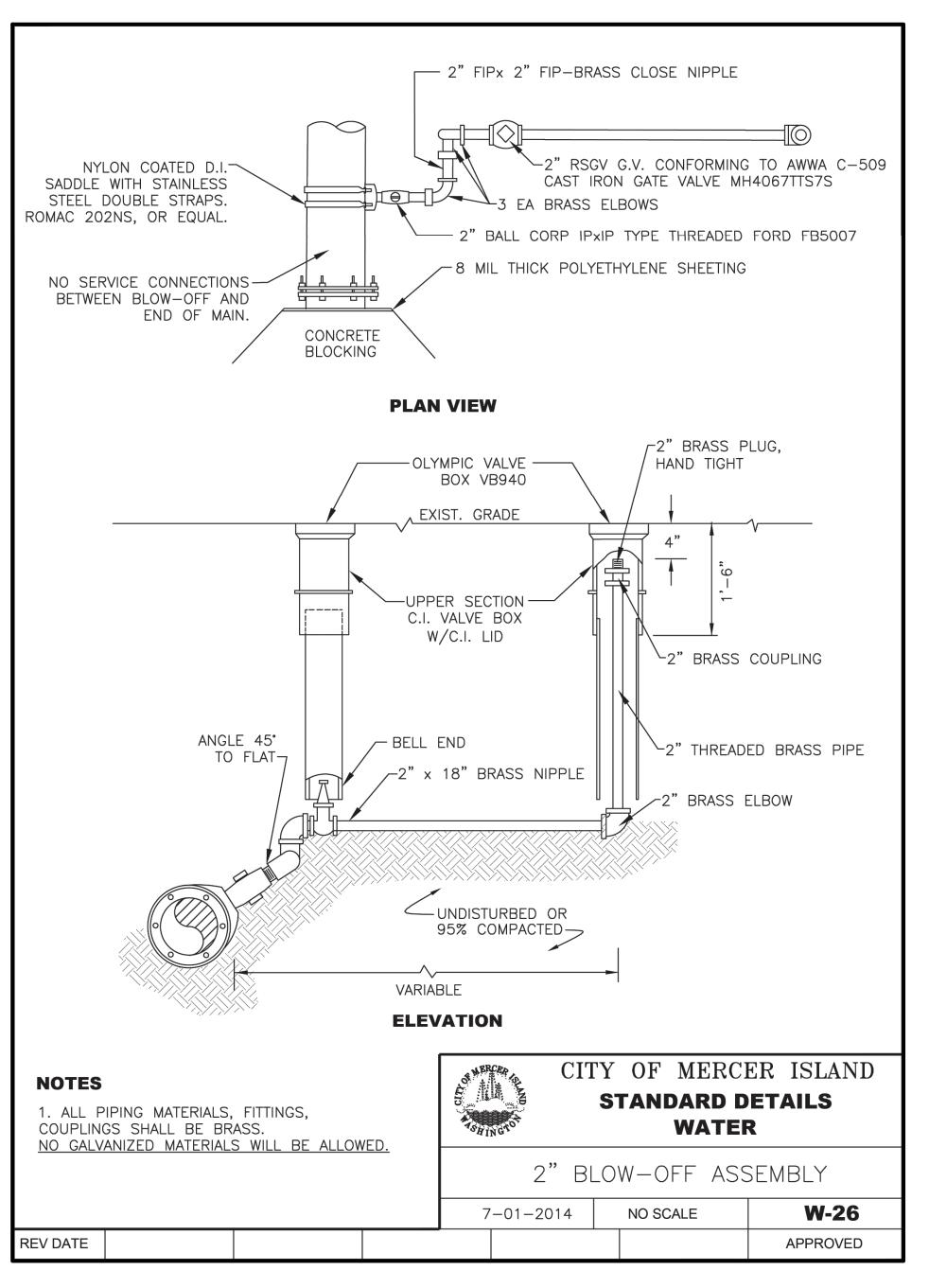
CITY STANDARD WATER **DETAILS - 5**

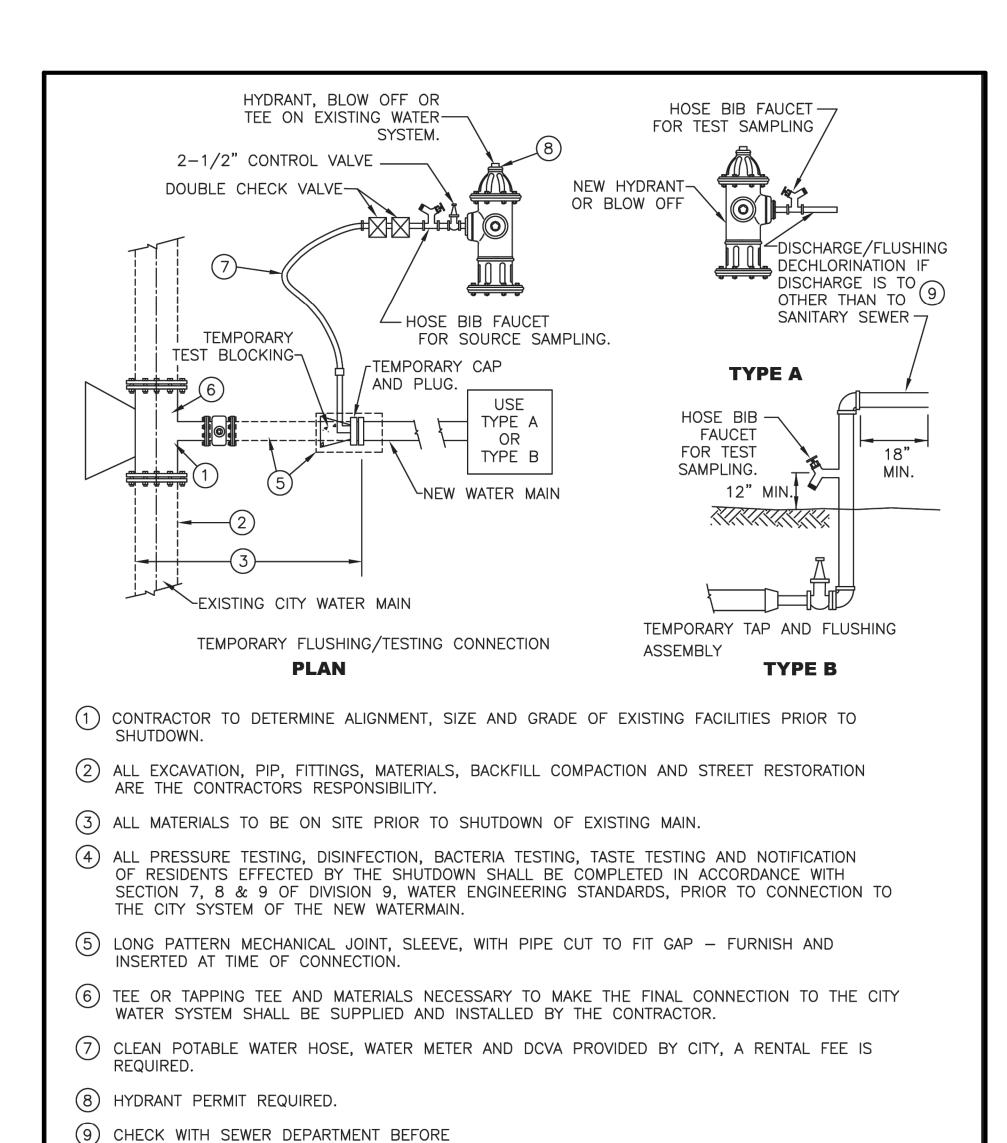
CIVIL

CONSOR Project No.: W232728WA Designed By MSH Issued On: JUNE 2024 Drawn By: Drawing No.: EJ, DB W-C-507 Checked By: JAM Approved By 1/2 1 IF BAR DOES NOT MEASURE 1 NCR DRAWING IS NOT TO SCALE

Project Title:

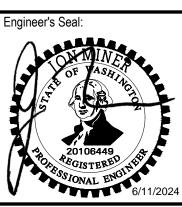


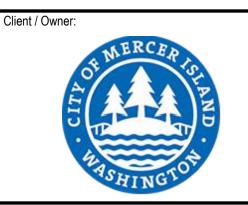






BID SET





Project Title:

CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

CITY STANDARD WATER

CIVIL

DETAILS - 6

DISCHARGING INTO THE SANITARY SEWER

SYSTEM, UNLESS DECHLORINATED FIRST.

2. ALL EXCAVATION SHALL PROVIDE A MINIMUM

OF 1' CLEAR AROUND PIPE AND FITTINGS.

1. ALL FITTINGS TO BE DUCTILE IRON.

Drawing Title:

NOTES

REV DATE

SYSTEM. ALL CHLORINATED WATER MUST

BE DISCHARGED INTO THE SANITARY SEWER

Designed By:

MSH

Issued On: JUNE 2024

Drawn By:
EJ, DB

Checked By:
JAM

Approved By:
NCR

CONSOR Project No.: W232728WA

Issued On: JUNE 2024

Drawing No.:

W-C-508

IF BAR DOES NOT MEASURE OR DRAWING IS NOT TO SCALE

W-32

APPROVED

CITY OF MERCER ISLAND

STANDARD DETAILS

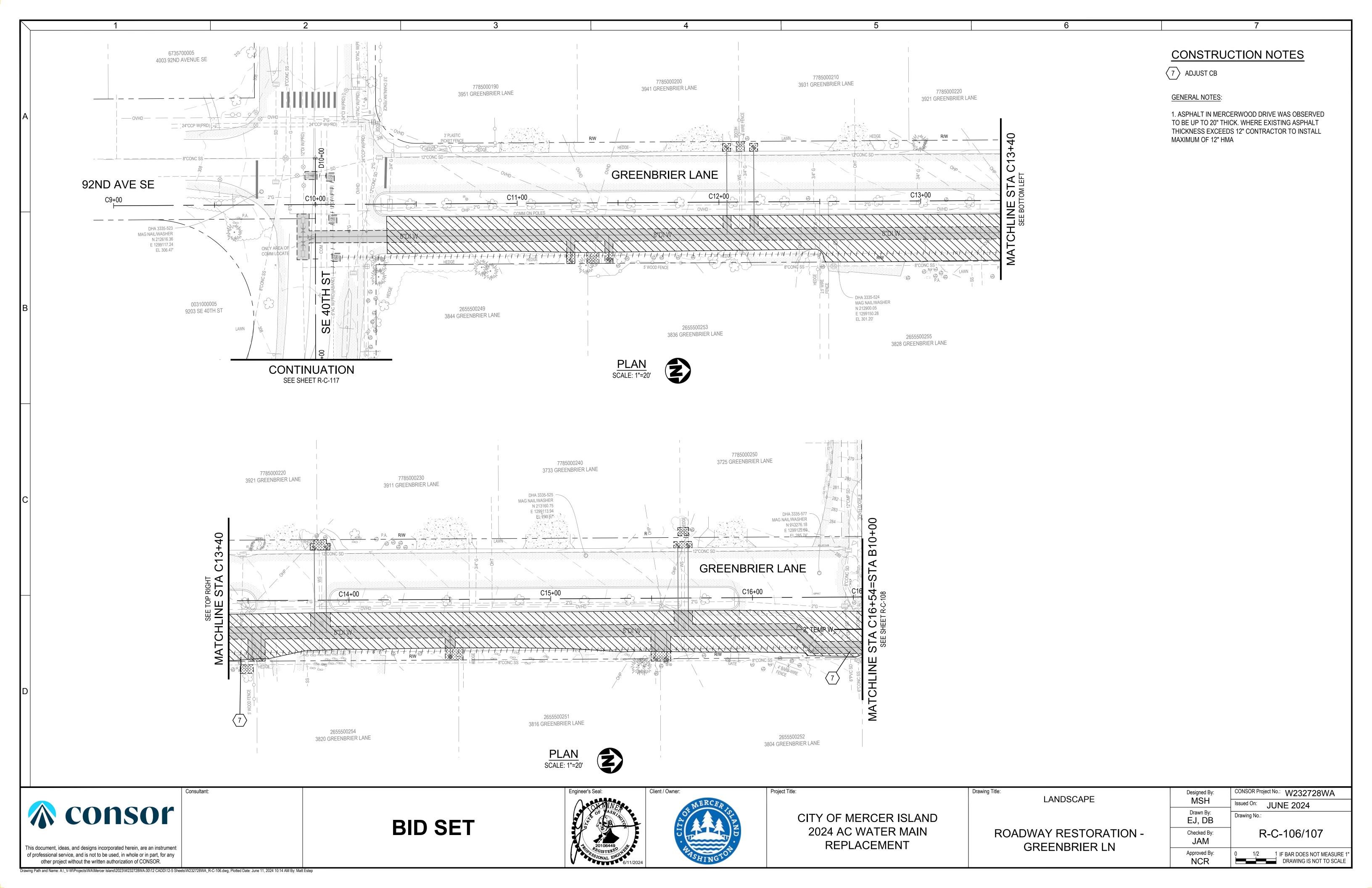
WATER

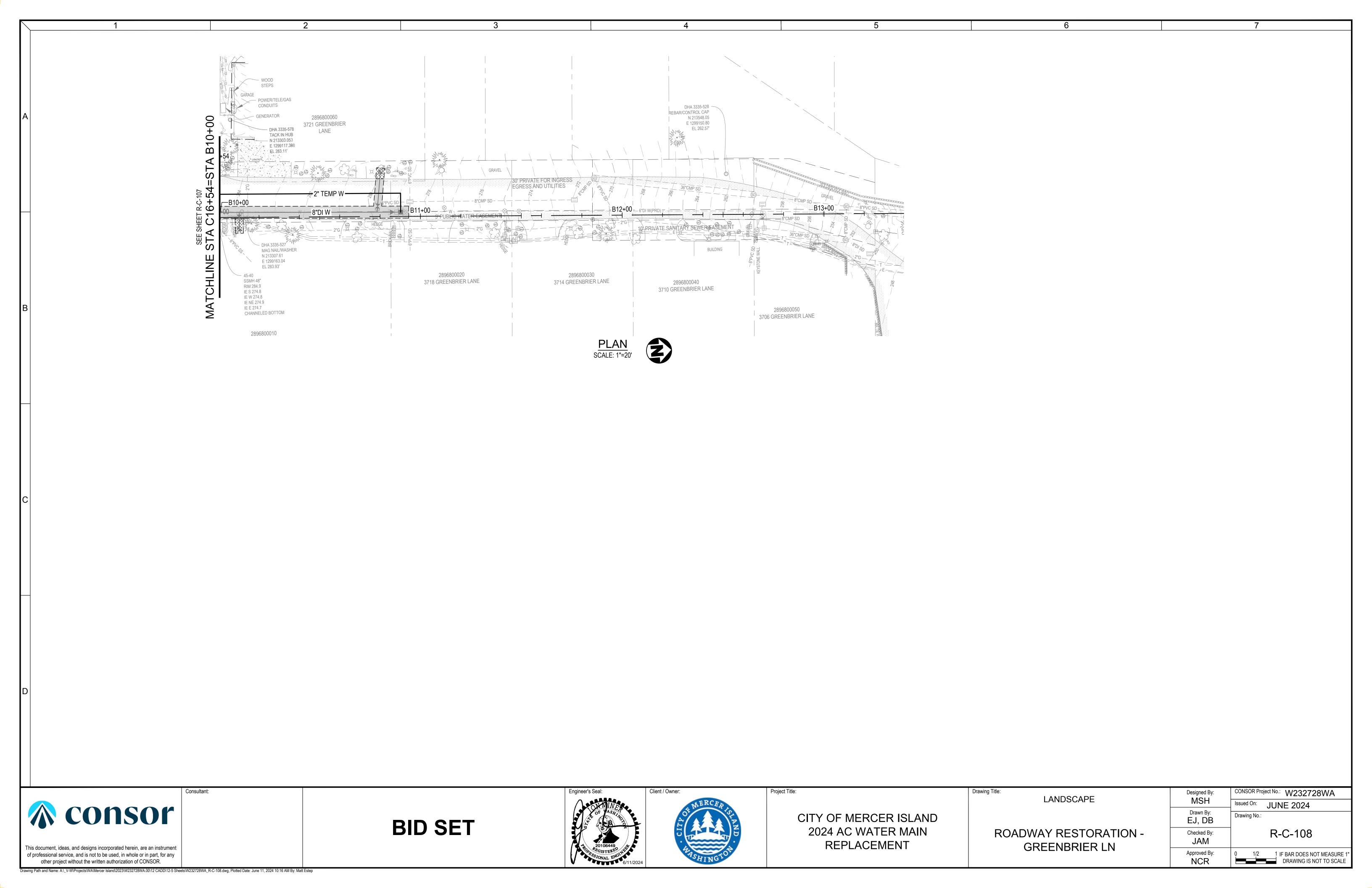
WATER MAIN FLUSHING

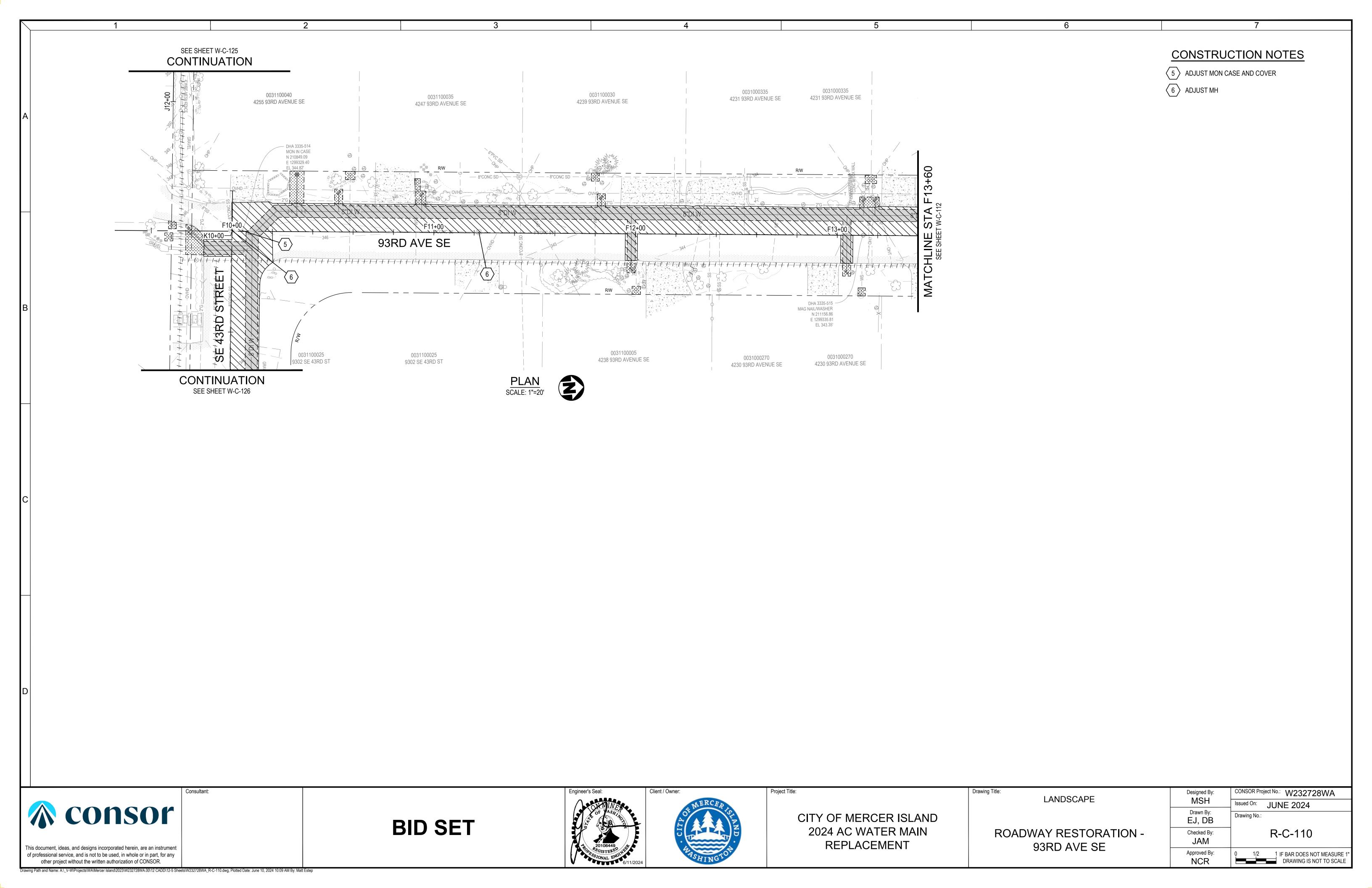
NO SCALE

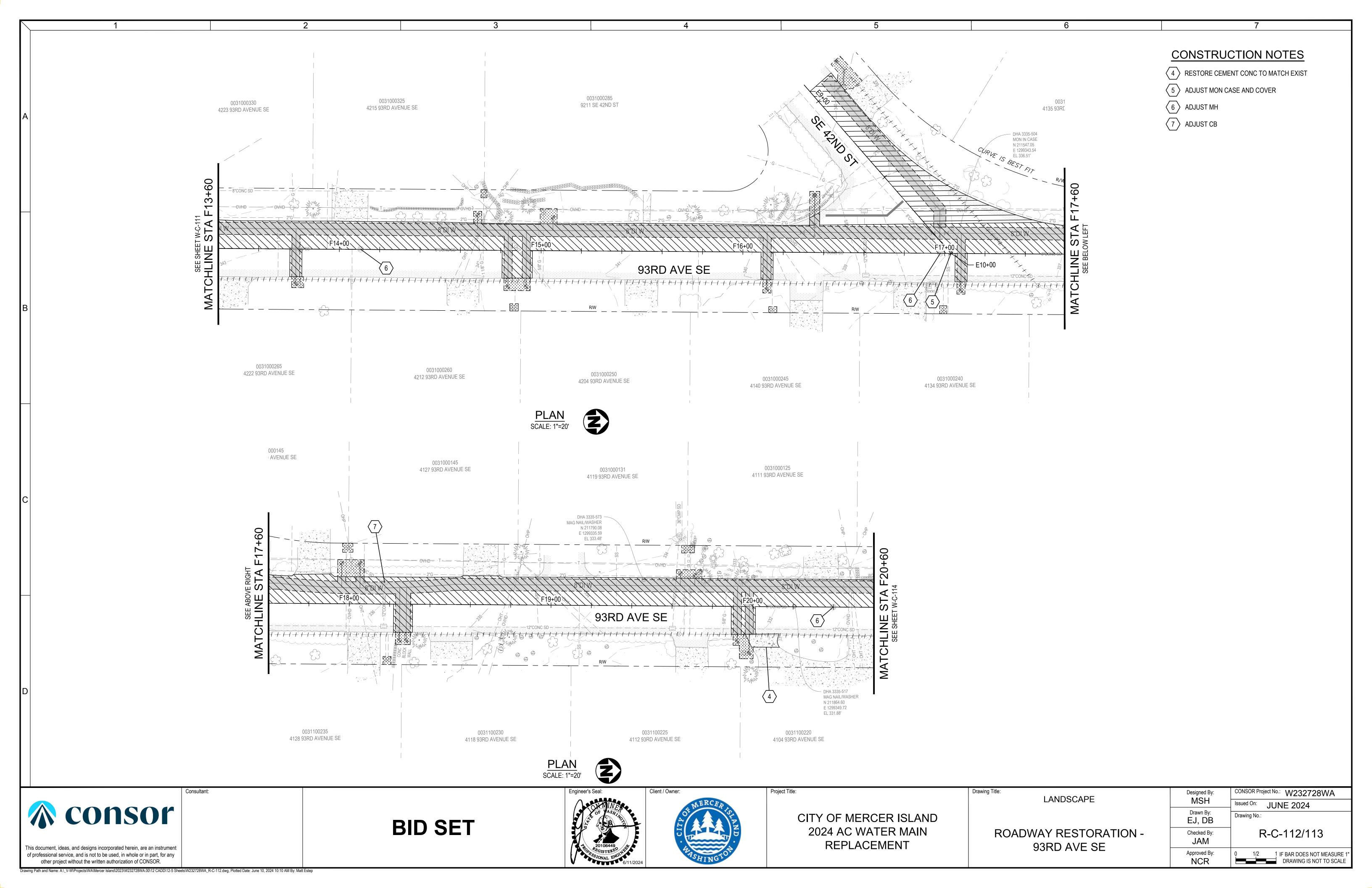
8-12-2009

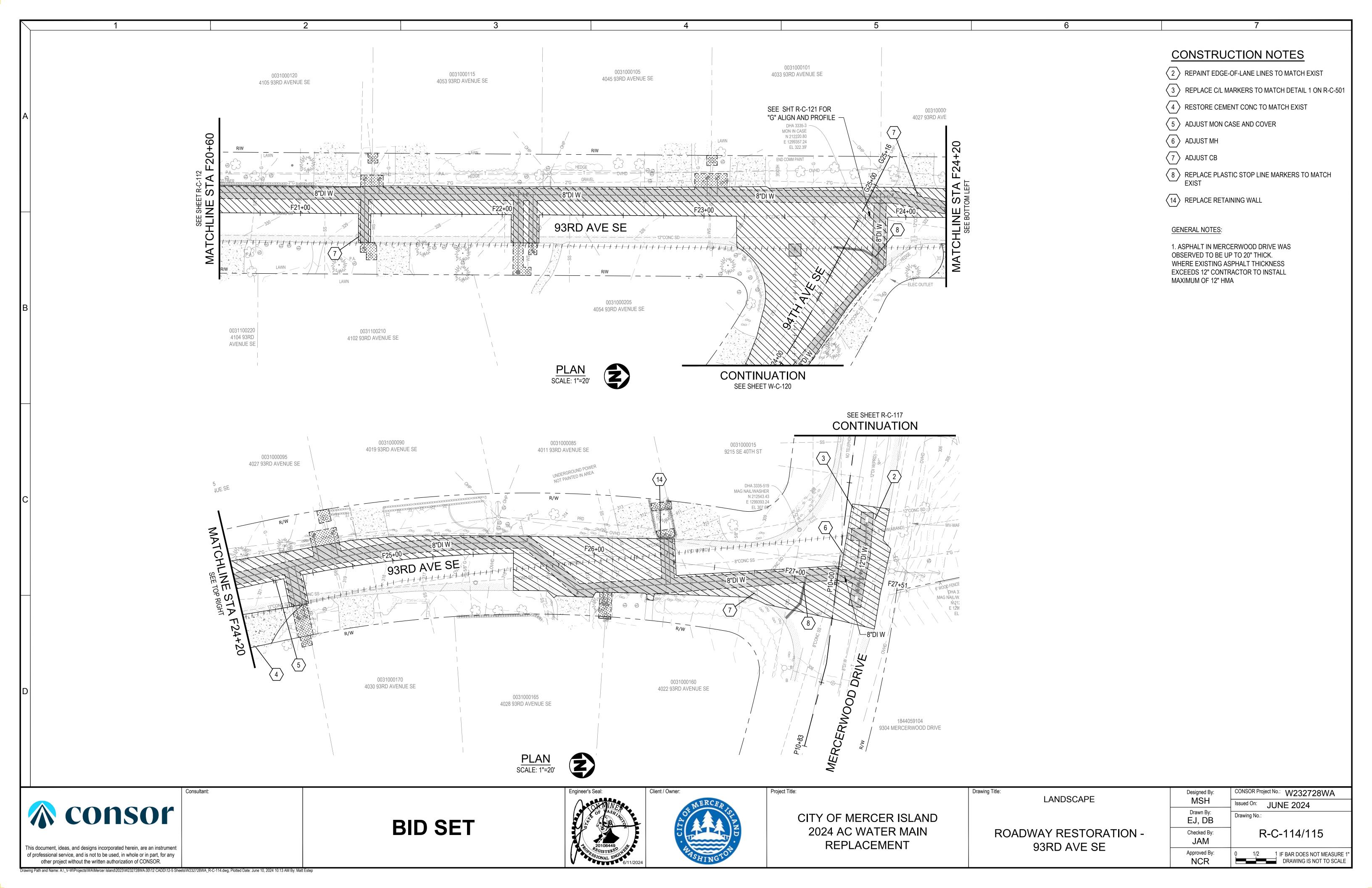
awing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_W-C-508.dwg, Plotted Date: June 10, 2024 10:05 AM By: Matt Estep

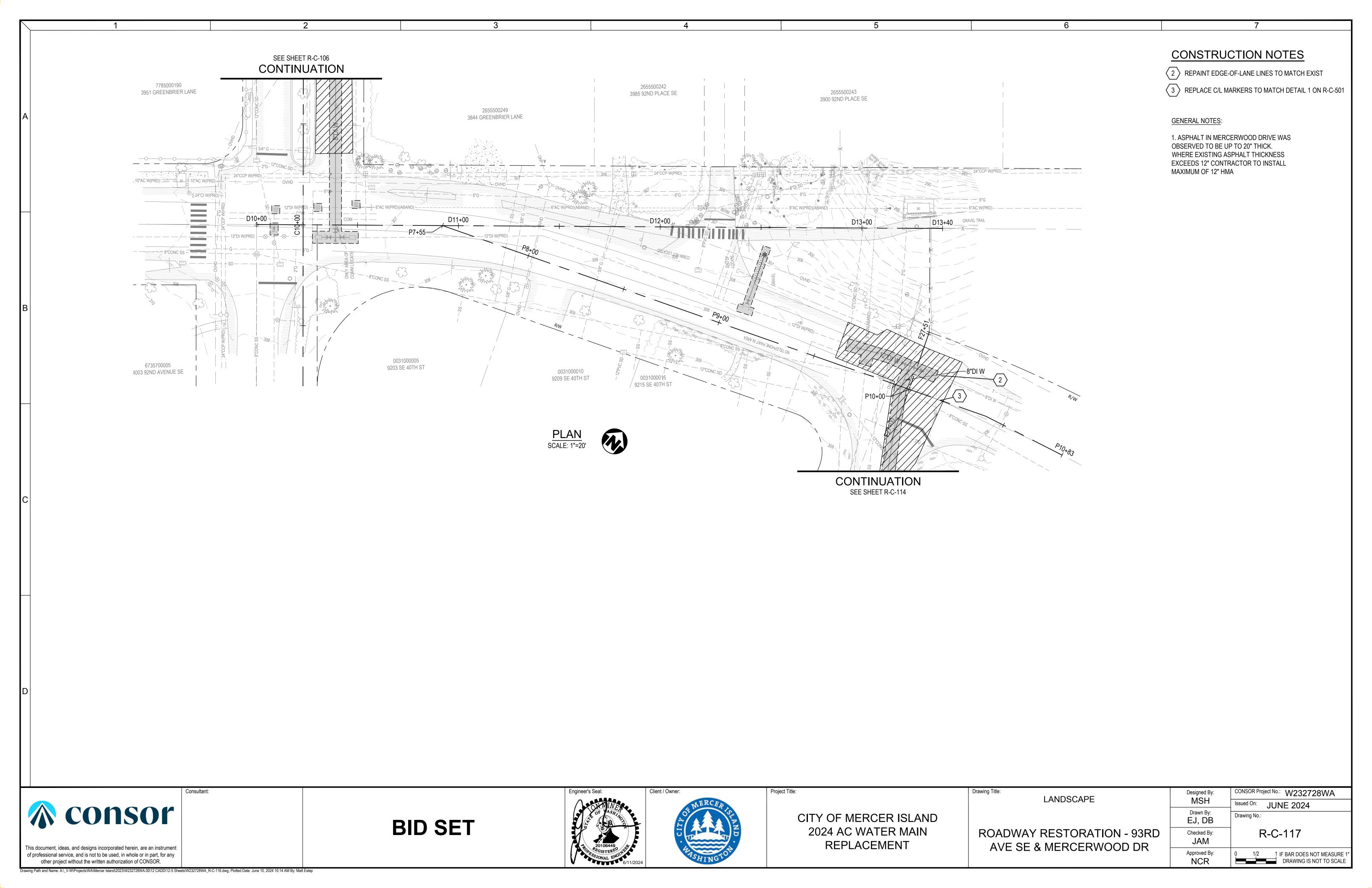


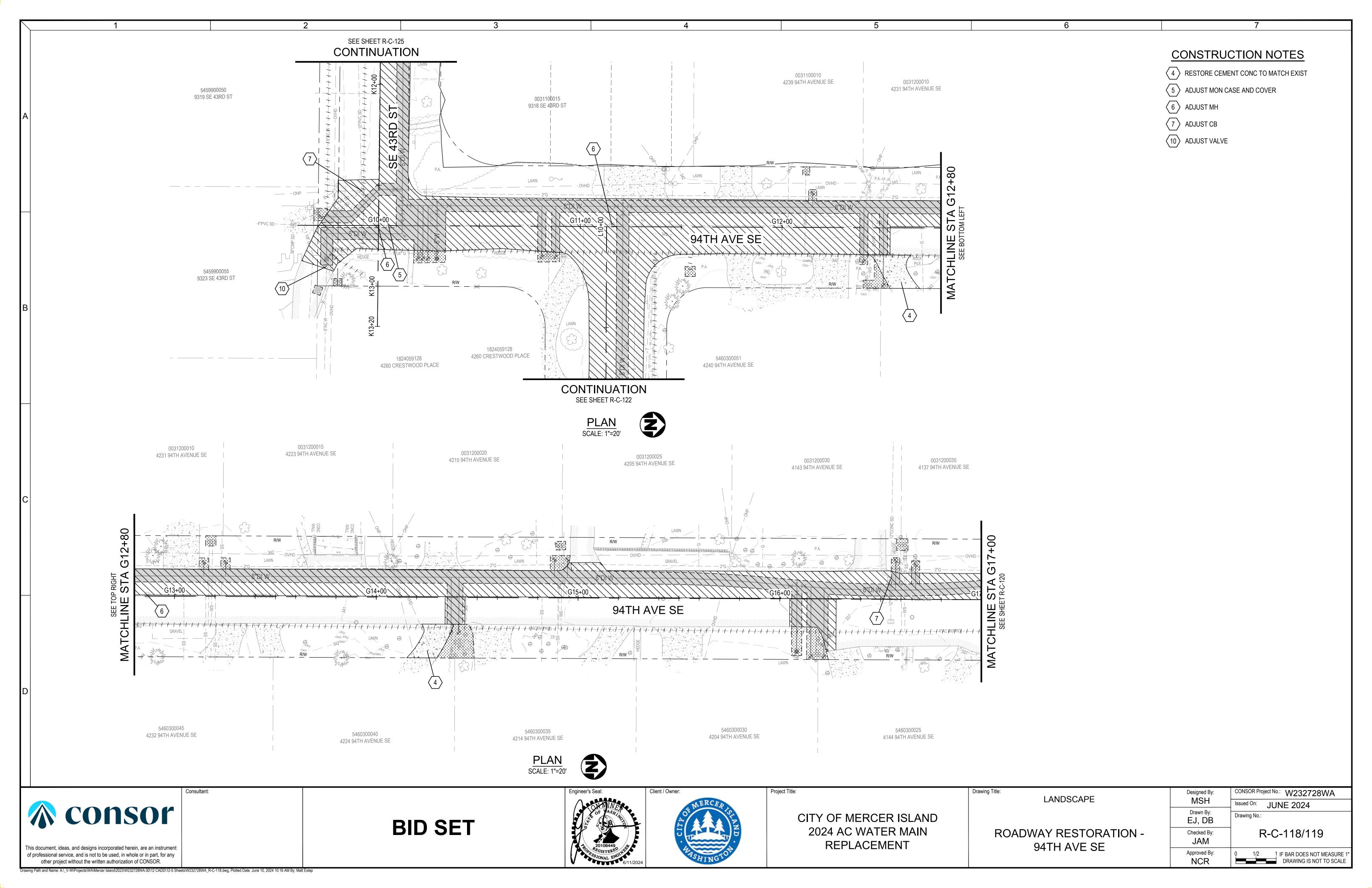


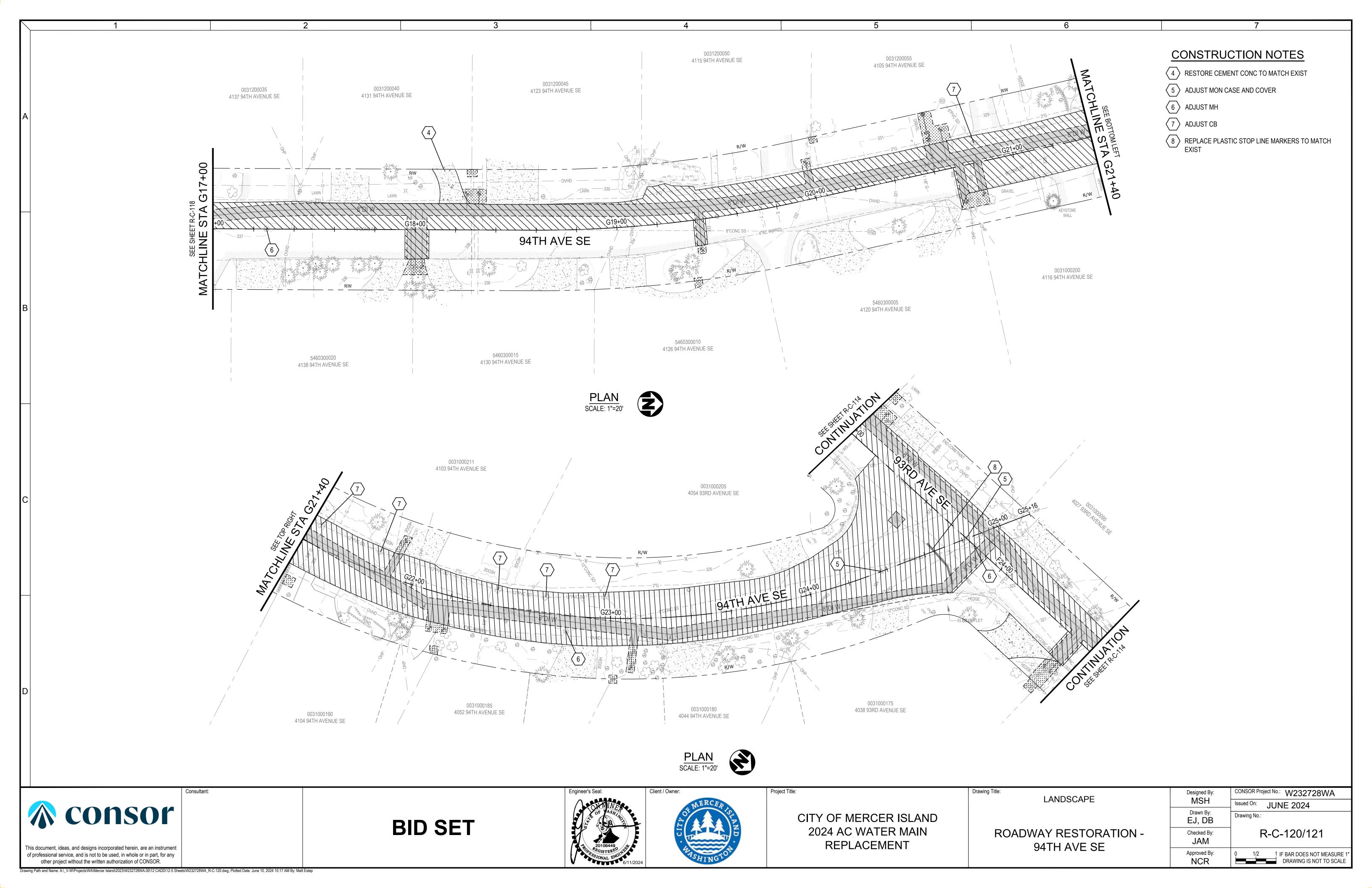


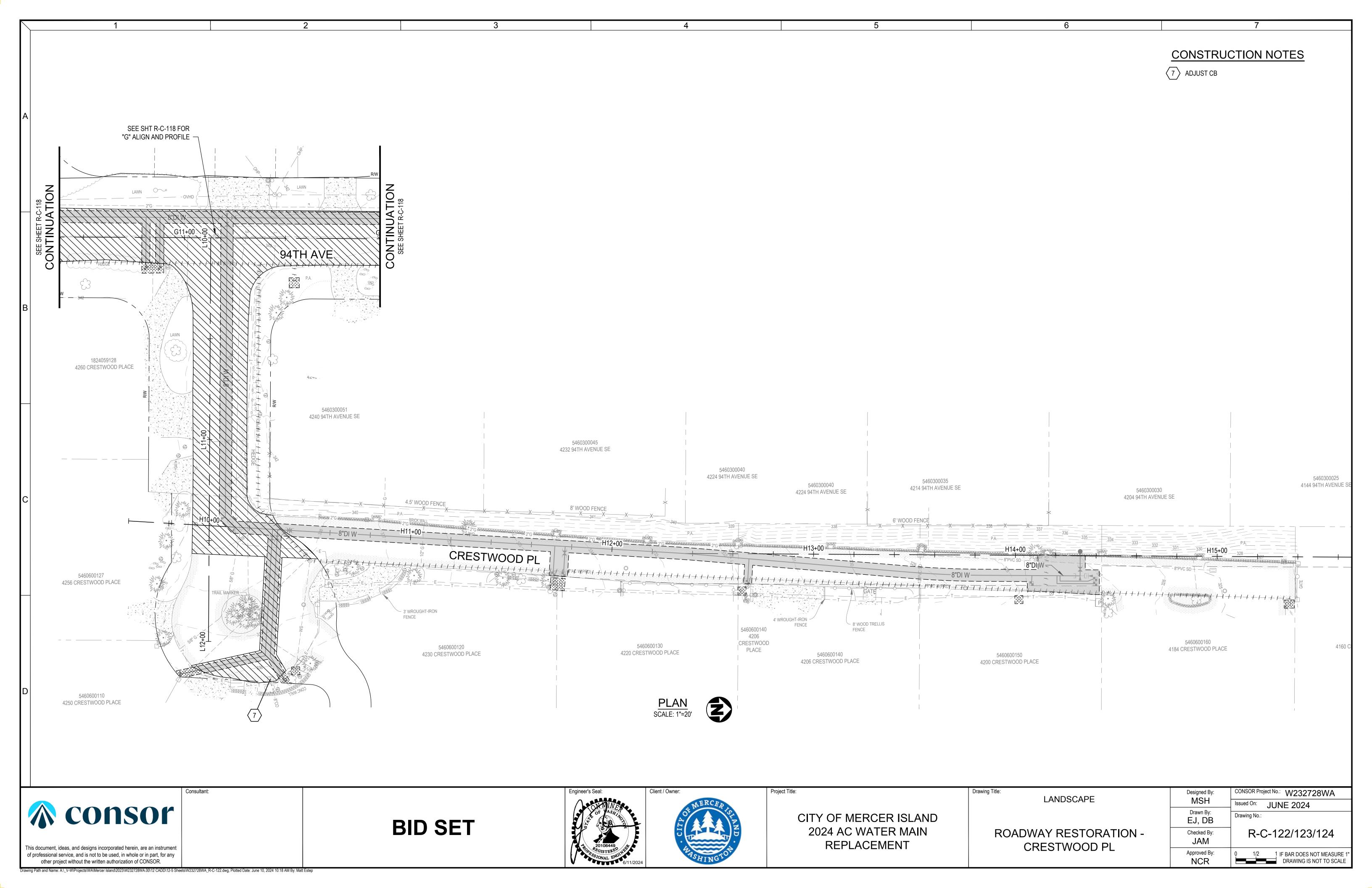


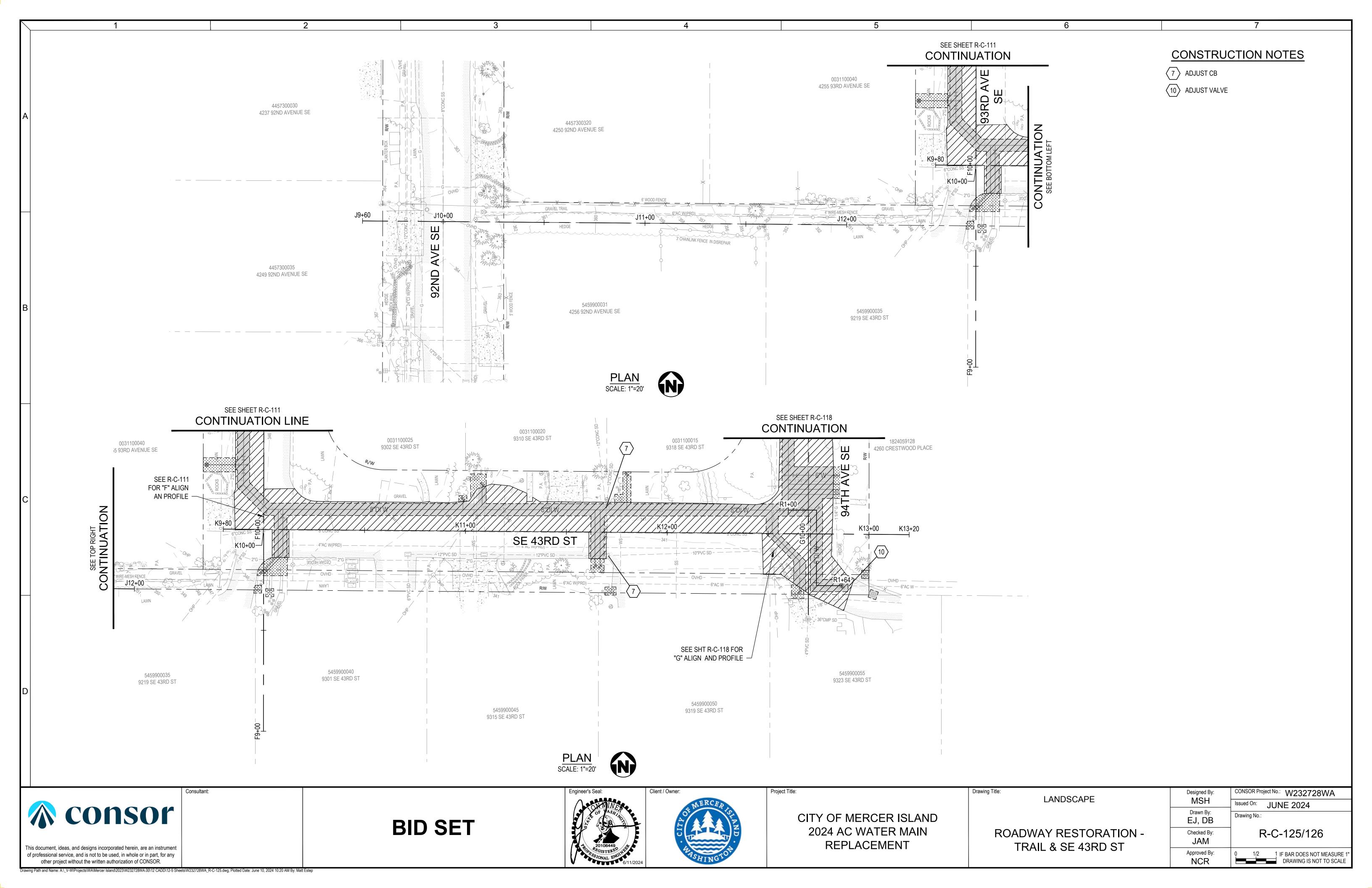


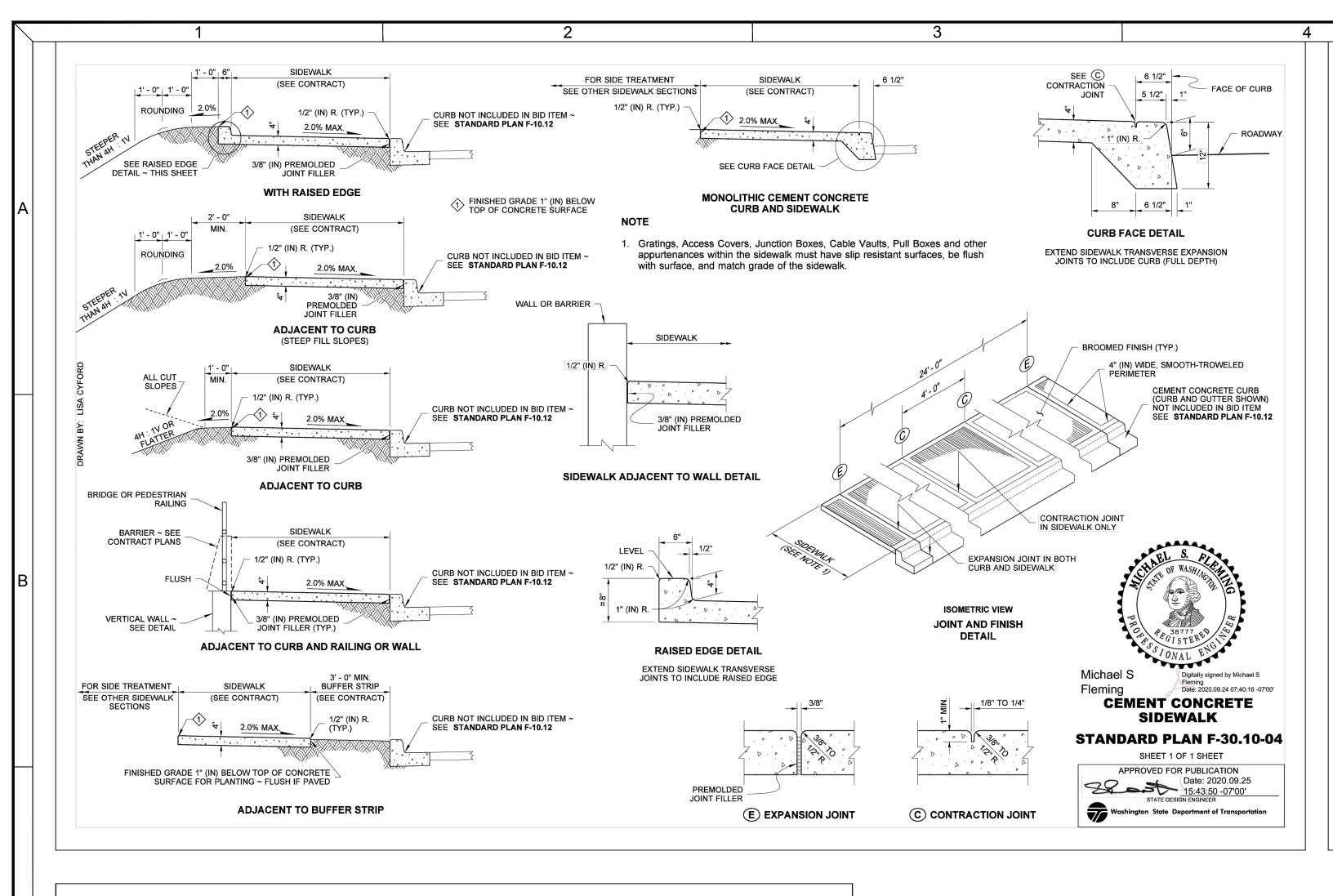


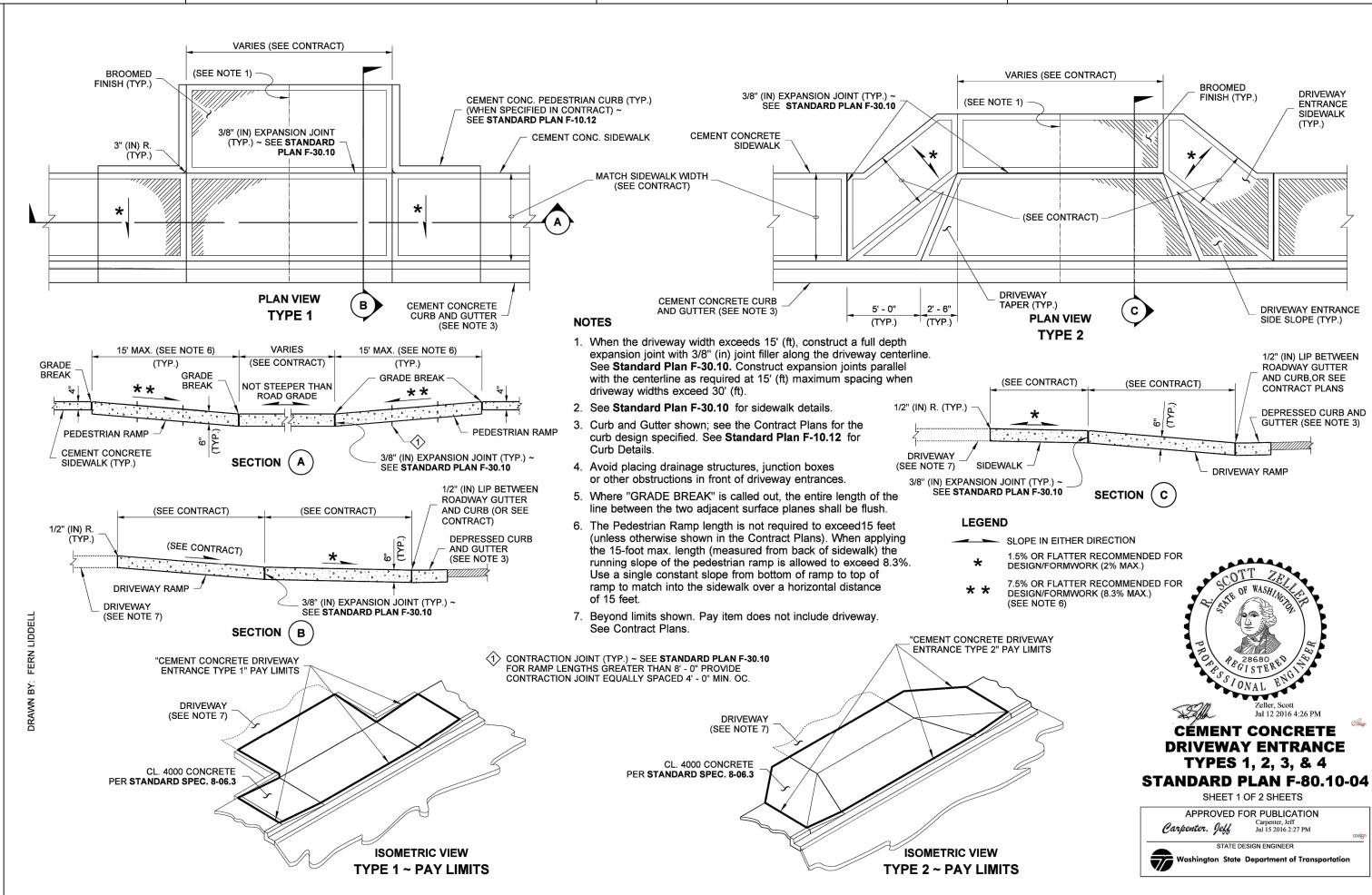


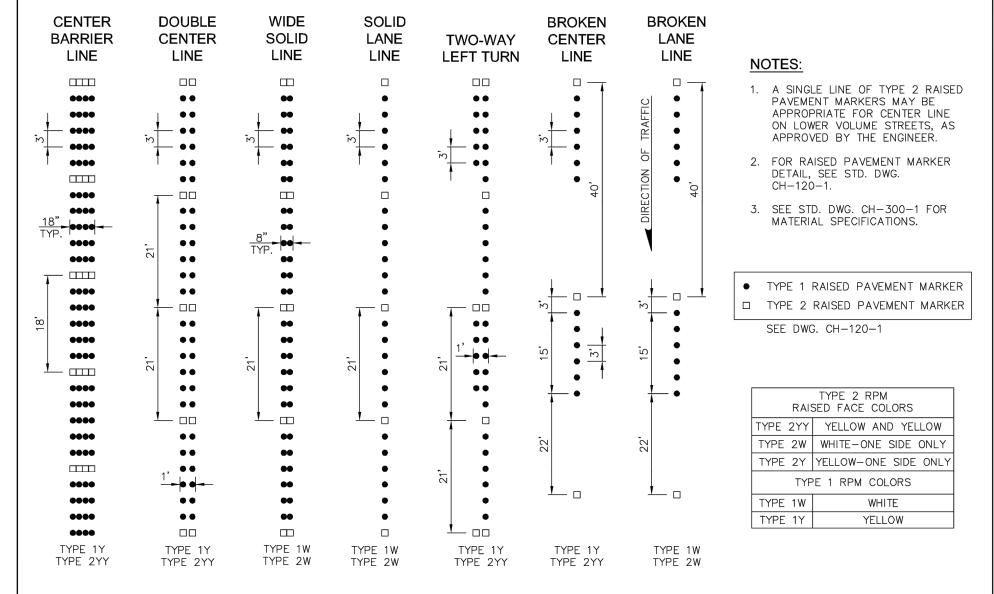












CHANNELIZATION LINES SCALE: NTS

Consor

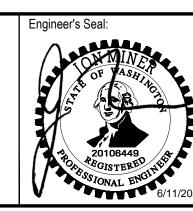
This document, ideas, and designs incorporated herein, are an instrument

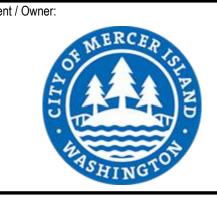
of professional service, and is not to be used, in whole or in part, for any

Drawing Path and Name: A:_V-W\Projects\WA\Mercer Island\2023\W232728WA.00\12 CADD\12-5 Sheets\W232728WA_R-C--501.dwg, Plotted Date: June 10, 2024 10:20 AM By: Matt Estep

other project without the written authorization of CONSOR.

BID SET





CITY OF MERCER ISLAND 2024 AC WATER MAIN REPLACEMENT

LANDSCAPE

Drawing Title:

ROADWAY RESTORATION **AND STRIPING DETAILS - 1**

Designed By CONSOR Project No.: W232728WA MSH Issued On: JUNE 2024 Drawn By: Drawing No.: EJ, DB R-C-501 Checked By: JAM Approved By: 0 1/2 1 IF BAR DOES NOT MEASURE NCR DRAWING IS NOT TO SCALE

Project Title: