SW 108TH AVE WATER RESERVOIR AND PUMP STATION



90% SUBMITTAL

PROJECT NO: W240758OR JULY 2025



PROJECT CONTACTS

CITY PROJECT MANAGER
ABBY MCFETRIDGE
CITY OF TUALATIN

CIVIL ENGINEER: TAYLOR SPENCER, PE DESIGN PROJECT MANAGER: ADAM BLAIR, PE

STRUCTURAL ENGINEER ETHAN ALTON, PE, SE

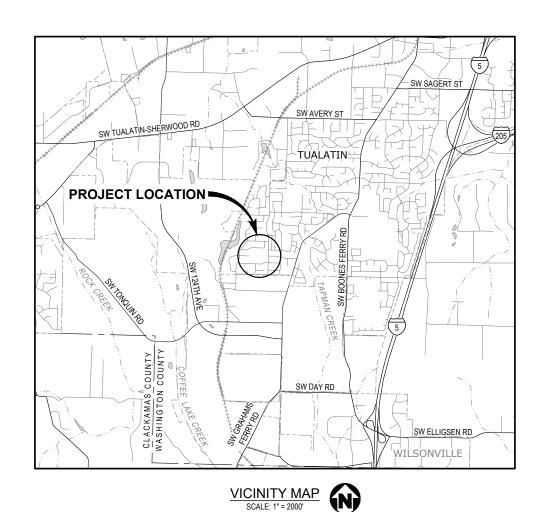
JEFFREY HOWARD, PE

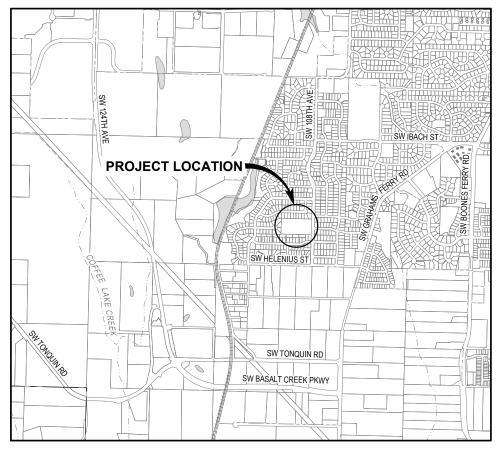
JEFFREY HOWARD, PE

PETERSON STRUCTURAL ENGINEERS
ELECTRICAL ENGINEER

INSTRUMENTATION & CONTROL

CIVIL ENGINEER AND DESIGN PROJECT MANAGER





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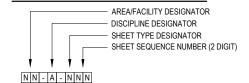




00 = 700 1110	
30 - FXISTIN	G ASR WELL HOUSE
20-I-509	SCADA CONTROLS DIAGRAM - 7
20-1-508	SCADA CONTROLS DIAGRAM - 6
20-1-507	SCADA CONTROLS DIAGRAM - 5
20-I-506	SCADA CONTROLS DIAGRAM - 4
20-1-505	SCADA CONTROLS DIAGRAM - 3
20-1-504	SCADA CONTROLS DIAGRAM - 2
20-I-503	SCADA CONTROLS DIAGRAM - 1
20-1-502	SCADA PANEL - 2
20-I-501	SCADA PANEL - 1
20-E-604	PUMP STATION VFD CONTROL SCHEMATIC
20-E-603	CIRCUIT SCHEDULE
20-E-602	ELECTRICAL SCHEDULES
20-E-601	PUMP STATION AND ASR ONE-LINE DIAGRAM
20-E-501	ELECTRICAL DETAILS
20-E-104	PUMP STATION HVAC PLAN
20-E-103	PUMP STATION FACILITIES PLAN
20-E-102	PUMP STATION SIGNAL PLAN
20-E-101	PUMP STATION POWER PLAN
20-M-501	HVAC & PLUMBING SECTIONS, SCHEDULES, AND DETAILS
20-M-101	PUMP STATION MECHANICAL FLOOR PLAN
20-D-502	WATER QUALITY PANEL DETAIL
20-D-501	PUMP STATION PROCESS DETAILS
20-D-301	PUMP STATION SECTIONS
20-D-101	PUMP STATION FLOOR PLAN
20-D-001	PUMP STATION DESIGN CRITERIA AND MECHANICAL SCHEDULES
20-S-503	GENERATOR SLAB DETAILS
20-S-502	CMU WALL DETAILS
20-S-501	PUMP STATION STRUCTURAL DETAILS
20-S-201	PUMP STATION BUILDING SECTIONS DUMP STATION STRUCTURAL DETAILS
	PUMP STATION ROOF FRAMING PLAN
20-S-102 20-S-103	PUMP STATION WALL PLAN
20-S-101 20-S-102	PUMP STATION FOUNDATION PLAN DIMP STATION WALL PLAN
20-S-002	
	PUMP STATION STRUCTURAL NOTES PUMP STATION STRUCTURAL QUALITY ASSURANCE PLAN
20-A-301 20-S-001	PUMP STATION GENERAL STRUCTURAL NOTES
20-A-210 20-A-501	ARCHITECTURAL DETAILS
20-A-210	PUMP STATION SECTIONS *
20-A-201 20-A-202	PUMP STATION ELEVATIONS - 2 *
20-A-201	PUMP STATION ELEVATIONS - 1 *
20-A-101	PUMP STATION FLOOR PLAN *
20-A-001	PUMP STATION CODE COMPLIANCE AND SCHEDULES
20 - PUMP S	TATION
10-E-502	ELECTRICAL DETAILS - 2
10-E-501	ELECTRICAL DETAILS - 1
10-E-102	RESERVOIR ROOF PLAN
10-E-101	ELECTRICAL SITE PLAN
10-D-505	MISCELLANEOUS RESERVOIR PROCESS DETAILS
10-D-504	RESERVOIR PIPING PLANS AND SECTIONS - 3
10-D-503	RESERVOIR PIPING PLANS AND SECTIONS - 2
10-D-502	RESERVOIR PIPING PLANS AND SECTIONS - 1
10-D-501	SEISMIC VALVE VAULT PLAN AND SECTION
10-D-101	RESERVOIR FLOOR PLAN
10-S-510 10-S-511	EXTERIOR LADDER DETAILS - 1 EXTERIOR LADDER DETAILS - 2

* INDICATES THAT SHEET IS INCLUDED IN ARCHITECTURAL REVIEW SET

SHEET INDEX DESIGNATIONS



AREA/FACILITY DESIGNATORS

GENERAL

CIVIL RESERVOIR

05 10 PUMP STATION

EXISTING ASR WELL HOUSE

DISCIPLINE DESIGNATORS

GENERAL CIVII

LANDSCAPE

ARCHITECTURAL

STRUCTURAL

PROCESS

PLUMBING

MECHANICAL (HVAC)

FIRE PROTECTION

ELECTRICAL

INSTRUMENTATION AND P&IDS

SHEET TYPE DESIGNATORS

GENERAL

PLAN VIEWS

ELEVATIONS SECTIONS

LARGE SCALE VIEWS

SCHEDULES AND DIAGRAMS

USER DEFINED

USER DEFINED

3D REPRESENTATION

consor

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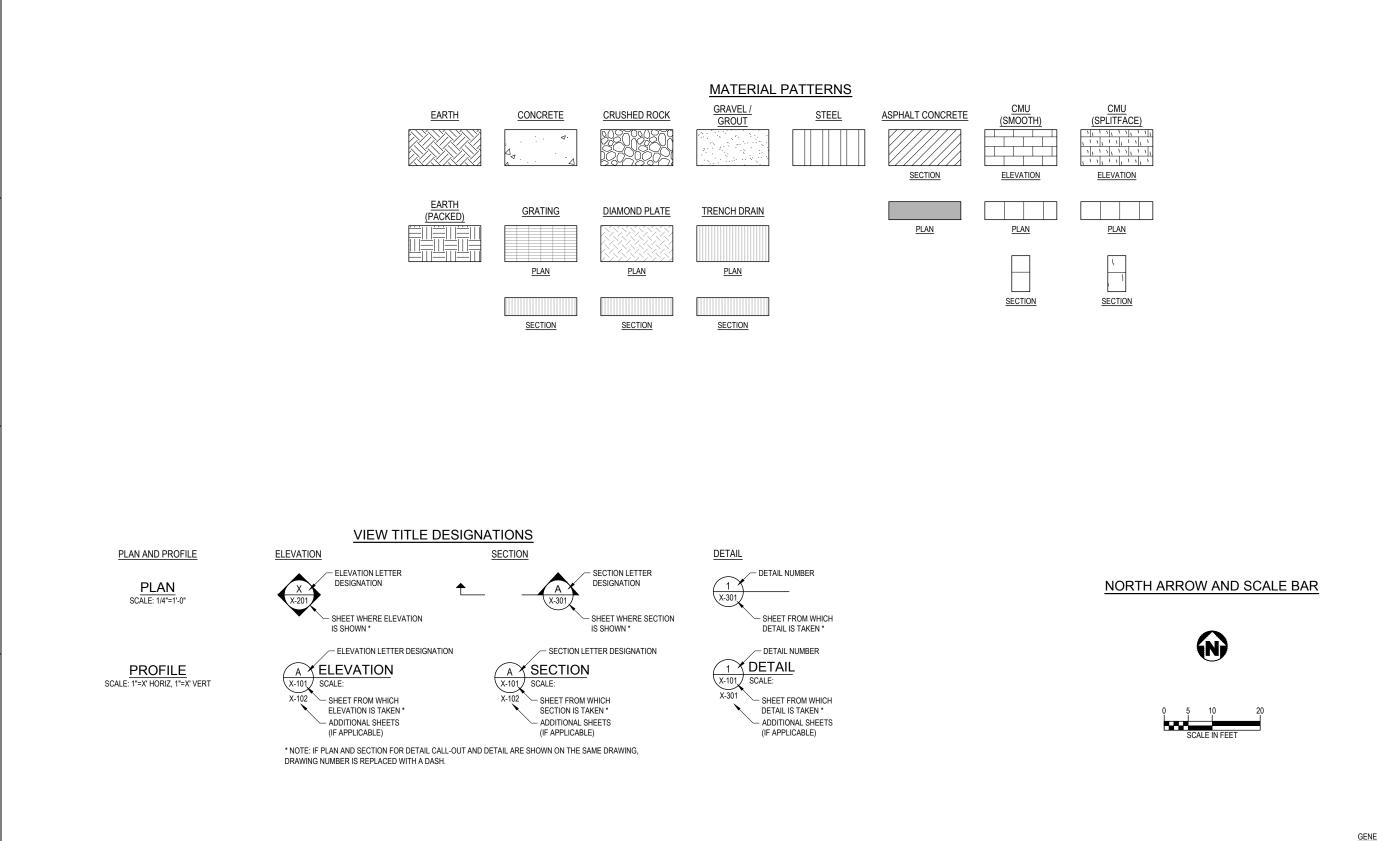
CITY OF TUALATIN SW 108TH AVE WATER RESERVOIR AND PUMP STATION

01 - GENERAL

SHEET INDEX

Designed By TMS Consor Project No.: W240758OR Issued On: JULY 2025 Drawn By: MBÉ Checked By 01-G-001 ANB 0 1/2 1 IF BAR DOES NOT MEASURE 1
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CITY OF TUALATIN SW 108TH AVE WATER RESERVOIR AND PUMP STATION

01 - GENERAL

LEGENDS

Consor Project No.: W240758OR Designed By TMS Issued On: JULY 2025 Drawn By: MBE **GENERAL SYMBOLS AND** 01-G-002 Checked By ANB 0 1/2 1 IF BAR DOES NOT MEASURE 1
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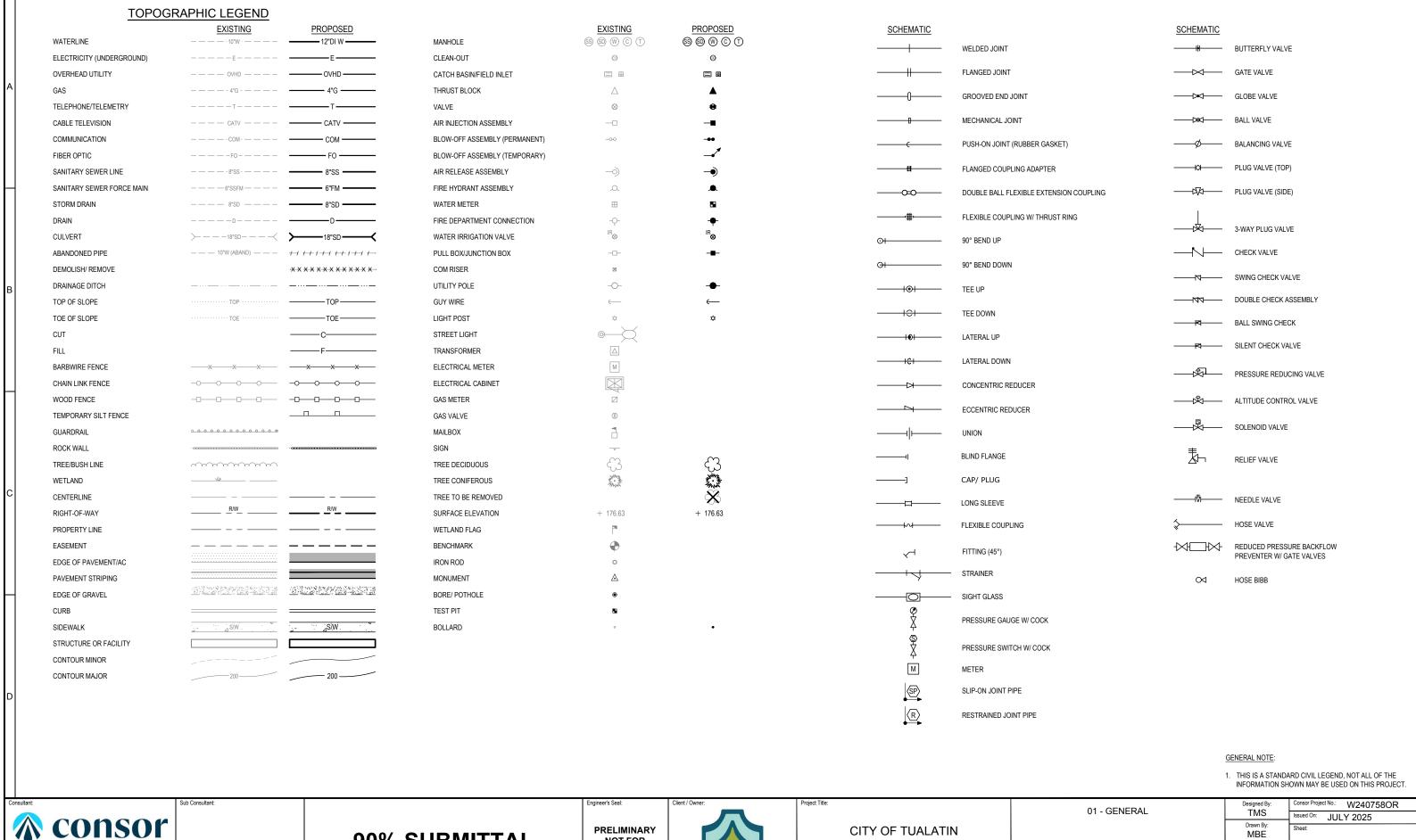
	1		2	3		4	5		6	•	7
@	AT	CMU	CONCRETE MASONRY UNIT	FLG	FLANGE	JUNC	JUNCTION	PRCST	PRECAST	TAN	TANGENCY
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS	CND CO	CONDUIT CLEANOUT	FLL FLR	FLOW LINE FLOOR	KPL	KICK PLATE	PREP PRESS	PREPARATION PRESSURE	TB TBD	THRUST BLOCK TO BE DETERMINED
AB	ANCHOR BOLT	COL	COLUMN	FM	FORCE MAIN	KVA	KILOVOLT AMPERE	PRKG	PARKING	TBM	TEMPORARY BENCHMARK
ABAN(D)	ABANDON(ED)	COMB	COMBINATION	FO	FIBER OPTIC	KW	KILOWATT	PROP	PROPERTY	TC	TOP OF CONCRETE / TOP OF CURB
ABS ABV	ACRYLONITRILE BUTADIENE STYRENE ABOVE / ALCOHOL BY VOLUME	CONC CONN	CONCRETE CONNECTION	FOC FOF	FACE OF CONCRETE FACE OF FINISH	KWY	KEYWAY	PRV PS	PRESSURE REDUCING VALVE PUMP STATION	TCE TDH	TEMPORARY CONSTRUCTION EASEMENT TOTAL DYNAMIC HEAD
AC	ASPHALTIC CONCRETE	CONST	CONSTRUCTION	FOM	FACE OF MASONRY	L	LENGTH	PSIG	POUNDS PER SQUARE INCH GAUGE	TEMP	TEMPERATURE / TEMPORARY
ACI	AMERICAN CONCRETE INSTITUTE	CONT	CONTINUOUS / CONTINUATION	FOS	FACE OF STUDS	LAB	LABORATORY	PSL	PIPE SLEEVE	T&G	TONGUE & GROOVE
A ACP ADJ	ASPHALTIC CONCRETE PAVING ADJUSTABLE	CONTR COORD	CONTRACT(OR) COORDINATE	FPM FPS	FEET PER MINUTE FEET PER SECOND	LAV LB	LAVATORY POUND	PSPT PT	PIPE SUPPORT POINT OF TANGENCY	THK THRD	THICK / THICKNESS THREAD (ED)
ADJC	ADJACENT	COP	COPPER	FRP	FIBERGLASS REINFORCED PLASTIC	LF	LINEAR FOOT	PTVC	POINT OF TANGENCY ON VERTICAL	THRU	THROUGH
AFF	ABOVE FINISHED FLOOR	CORP	CORPORATION	FT	FEET / FOOT	LIN	LINEAL		CURVE	TP	TEST PIT / TOP OF PAVEMENT /
AFG AHR	ABOVE FINISHED GRADE ANCHOR	CORR COT	CORRUGATED CITY OF TUALATIN	FTG FUT	FOOTING FUTURE	LN LOC	LANE LOCATION	PTW PV	PUMP TO WASTE PLUG VALVE	TRANS	TURNING POINT TRANSITION
AL	ALUMINUM	CP	CONTROL POINT	FXTR	FIXTURE	LONG	LONGITUDINAL	PVC	POLYVINYL CHLORIDE	TSP	TRI-SODIUM PHOSPHATE
ALT	ALTERNATE	CPLG	COUPLING		040	LP	LOW PRESSURE	PVMT	PAVEMENT	TST	TOP OF STEEL
AMP ANSI	AMPERE AMERICAN NATIONAL STANDARDS INSTITUTE	CPVC CR	CHLORINATED POLYVINYL CHLORIDE CRUSHED ROCK	G GA	GAS GAUGE	LPT LRG	LOW POINT LARGE	PW PWR	POTABLE WATER POWER	TW TYP	TOP OF WALL TYPICAL
APPROX	APPROXIMATE	CS	CARBON STEEL	GAL	GALLON	LS	LONG SLEEVE / LUMP SUM	' ''''	TOTAL	'''	11110/12
APPVD	APPROVED	CSP	CONCRETE SEWER PIPE	GALV	GALVANIZED	LT	LEFT	QTY	QUANTITY	UG	UNDERGROUND
APWA ARCH	AMERICAN PUBLIC WORKS ASSOCIATION ARCHITECTURAL	CT CTR	COURT CENTER	GC GFA	GROOVED COUPLING GROOVED FLANGE ADAPTER	LVL LWL	LEVEL LOW WATER LINE	RAD	RADIUS	UH UN	UNIT HEATER UNION
ARV	AIR RELEASE VALVE	CU	CUBIC	GI	GALVANIZED IRON			RC	REINFORCED CONCRETE	UON	UNLESS OTHERWISE NOTED
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	CULV	CULVERT	GIP	GALVANIZED IRON PIPE	MAN	MANUAL	RCP	REINFORCED CONCRETE PIPE	USGS	UNITED STATES GEOLOGIC SURVEY
ASR ASSN	AQUIFER STORAGE & RECOVERY ASSOCIATION	CV	CONTROL VALVE CLOCKWISE / COLD WATER	GJ GL	GRIP JOINT GLASS	MAT MAX	MATERIAL MAXIMUM	RD RDCR	ROAD / ROOF DRAIN REDUCER	V	VENT / VOLT
ASSY	ASSEMBLY	CWS	CLEAN WATER SERVICES	GLV	GLOBE VALVE	MCC	MOTOR CONTROL CENTER	REF	REFERENCE	VAC	VACUUM
ASTM	AMERICAN SOCIETY FOR TESTING	CY	CUBIC YARDS	GND	GROUND CALL ONG BER DAY	MCP	MASTER CONTROL PANEL	REINF	REINFORCE(D)(ING)(MENT)	VB	VACUUM BREAKER
ATM	& MATERIALS ATMOSPHERE	CYL	CYLINDER LOCK	GPD GPH	GALLONS PER DAY GALLONS PER HOUR	MECH MET	MECHANICAL METAL	REQ'D RES	REQUIRED RESERVOIR	VBOX VC	VALVE BOX VERTICAL CURVE
AUTO	AUTOMATIC	D	DRAIN	GPM	GALLONS PER MINUTE	MFR	MANUFACTURER	RESTR	RESTRAINED	VERT	VERTICAL
B _{AUX}	AUXILIARY	DC	DIRECT CURRENT	GPS	GALLONS PER SECOND	MGD MH	MILLION GALLONS PER DAY MANHOLE	RFCA	RESTRAINED FLANGE COUPLING ADAPTER	VFD	VARIABLE FREQUENCY DRIVE
AVE AVG	AVENUE AVERAGE	DEFL DEQ	DEFLECTION DEPARTMENT OF ENVIRONMENTAL QUALITY	GR GR LN	GRADE GRADE LINE	MIN	MANHOLE MINIMUM	RM RND	ROOM ROUND	VOL VCP	VOLUME VITRIFIED CLAY PIPE
AWWA	AMERICAN WATER WORKS ASSOCIATION	DET	DETAIL	GRTG	GRATING	MIPT	MALE IRON PIPE THREAD	RO	ROUGH OPENING	VTR	VENT THROUGH ROOF
500	DELLA ADIOAT	DI	DUCTILE IRON	GV	GATE VALVE	MISC MJ	MISCELLANEOUS	R/W	RIGHT-OF-WAY	l	WATER
B&S BC	BELL & SPIGOT BOLT CIRCLE	DIA DIM	DIAMETER DIMENSION	GRVL GYP	GRAVEL GYPSUM	MON	MECHANICAL JOINT MONUMENT / MONOLITHIC	RPBPD	REDUCED PRESSURE BACKFLOW PREVENTION DEVICE	W W/	WATER WITH
BD	BOARD	DIR	DIRECTION		311 30M	MOT	MOTOR	RPM	REVOLUTIONS PER MINUTE	W/IN	WITHIN
BETW	BETWEEN	DIST	DISTANCE	HB	HOSE BIBB	MP	MILEPOST	RR	RAILROAD	W/O	WITHOUT
BF BFD	BOTH FACE BACKFLOW PREVENTION DEVICE	DN DR	DOWN DRIVE	HC HDPE	HOLLOW CORE HIGH DENSITY POLYETHYLENE	MSL MTD	MEAN SEAL LEVEL MOUNTED	RST RT	REINFORCED STEEL RIGHT	W/W WD	WALL TO WALL WOOD
- BFILL	BACKFILL	DS	DOWNSPOUT	HDR	HEADER			I KI	Non	WF	WIDE FLANGE
BFV	BUTTERFLY VALVE	DWG	DRAWING	HDWE	HARDWARE	NA NAVO	NOT APPLICABLE	SALV	SALVAGE	WH	WATER HEATER
BHP BKGD	BRAKE HORSEPOWER BACKGROUND	DWL DWV	DOWEL DRAIN WASTE AND VENT	HGR HGT	HANGER HEIGHT	NAVD NC	NORTH AMERICAN VERTICAL DATUM NORMALLY CLOSED	SAN SC	SANITARY SOLID CORE	WI WLD	WROUGHT IRON WELD
BLDG	BUILDING	DWY	DRIVEWAY	HH	HANDHOLD	NF	NEAR FACE	SCHED	SCHEDULE	WM	WATER METER
BLK	BLOCK			HM	HOLLOW METAL	NIC (NO	NOT IN CONTRACT	SD	STORM DRAIN	WP	WORKING POINT / WATERPROOFING
BLVD BM	BOULEVARD BENCHMARK / BEAM	E / ELEC EA	ELECTRICAL EACH	HMAC HNDRL	HOT MIX ASPHALT CONCRETE HANDRAIL	NO / NO. NOM	NORMALLY OPEN / NUMBER NOMINAL	SDL SDR	SADDLE STANDARD DIMENSION RATIO	WQ WS	WATER QUALITY WATER SERVICE
BMP	BEST MANAGEMENT PRACTICES	ECC	ECCENTRIC	HOA	HAND-OFF-AUTO	NORM	NORMAL	SECT	SECTION SECTION	WT	WEIGHT
BO	BLOW-OFF	EF	EACH FACE	HOR	HAND-OFF-REMOTE	NRS NTS	NON-RISING STEM	SHLDR	SHOULDER	WTP	WATER TREATMENT PLANT
BOC BS	BACK OF CURB BOTH SIDES	EL ELB	ELEVATION ELBOW	HORIZ HP	HORIZONTAL HIGH PRESSURE / HORSEPOWER	NIS	NOT TO SCALE	SHT SIM	SHEET SIMILAR	WTRT WWF	WATERTIGHT WELDED WIRE FABRIC
BSMT	BASEMENT	ENCL	ENCLOSURE	HPG	HIGH PRESSURE GAS	0 TO 0	OUT TO OUT	SLP	SLOPE	WWTF	WASTEWATER TREATMENT FACILITY
BTF	BOTTOM FACE	EOP	EDGE OF PAVEMENT	HPT	HIGH POINT	OC OD	ON CENTER OUTSIDE DIAMETER	SLV	SLEEVE	WWTP	WASTEWATER TREATMENT PLANT
BTU BV	BRITISH THERMAL UNIT BALL VALVE	EOR EQ	ENGINEER OF RECORD EQUAL	HR HSB	HOUR HIGH STRENGTH BOLT	OF	OVERFLOW / OUTSIDE FACE	SOLN SP	SOLUTION SOIL PIPE / SEWER PIPE	X SECT	CROSS SECTION
BW	BOTH WAYS	EQL SP	EQUALLY SPACED	HV	HOSE VALVE	OPNG	OPENING	SPCL	SPECIAL	XFMR	TRANSFORMER
	OFI CILIO	EQUIP	EQUIPMENT	HVAC	HEATING, VENTILATION, AIR	OPP	OPPOSITE OPICINAL	SPEC(S)	SPECIFICATION(S)	VD	VADD DDAIN (VADD
Стос	CELSIUS CENTER TO CENTER	ESC ESMT	EROSION AND SEDIMENT CONTROL EASEMENT	HWL	CONDITIONING HIGH WATER LINE	ORIG OSHA	ORIGINAL OCCUPATIONAL SAFETY AND HEALTH	SPG SPL	SPACING SPOOL	YD YH	YARD DRAIN / YARD YARD HYDRANT
CARV	COMBINATION AIR RELEASE VALVE	EW	EACH WAY	HWY	HIGHWAY		ADMINISTRATION	SPRT	SUPPORT	YR	YEAR
CATV	CABLE TELEVISION	EXC	EXCAVATE	HYD	HYDRANT HYDRAULIC	OVHD	OVERHEAD	SQ SO FT	SQUARE SOUT	ZN	7INC
CB CCP	CATCH BASIN CONCRETE CYLINDER PIPE	EXIST EXP	EXISTING EXPANSION	HYDR	HYDRAULIC	P&ID	PROCESS & INSTRUMENTATION	SQ FT SQ IN	SQUARE FOOT SQUARE INCH	ZIN	ZINC
CCW	COUNTER CLOCKWISE	EXP BT	EXPANSION BOLT	I&C	INSTRUMENTATION & CONTROL		DIAGRAM	SQ YD	SQUARE YARD		
CDOT	COLORADO DEPARTMENT OF	EXP JT	EXPANSION JOINT	IAW ID	IN ACCORDANCE WITH	PC PCC	POINT OF CURVE POINT OF COMPOUND CURVE	SS	SANITARY SEWER		
CFM	TRANSPORTATION CUBIC FEET PER MINUTE	EXT	EXTERIOR	IE IE	INSIDE DIAMETER INVERT ELEVATION	PCVC	POINT OF COMPOUND CORVE	SST ST	STAINLESS STEEL STREET		
CFS	CUBIC FEET PER SECOND	F	FAHRENHEIT	IF	INSIDE FACE		VERTICAL CURVE	STA	STATION		
CHAN	CHANNEL	F TO F	FACE TO FACE	IMPVT	IMPROVEMENT	PE PERF	PLAIN END PERFORATED	STD	STANDARD		
CHEM CHFR	CHEMICAL CHAMFER	FAB FB	FABRICATE FLAT BAR	INCC	INCH INCLUDE(D)(ING)	PERF	PERMANENT	STL STOR	STEEL STORAGE		
CHKV	CHECK VALVE	FCA	FLANGED COUPLING ADAPTER	INFL	INFLUENT	PERP	PERPENDICULAR	STR	STRAIGHT		
D CIP	CAST IRON	FCO ED	FLOOR CLEANOUT	INJ	INJECTION	PG PH	PRESSURE GAUGE PIPE HANGER	STRUCT	STRUCTURE / STRUCTURAL		
CIPC	CAST IRON PIPE CAST IN PLACE CONCRETE	FD FDN	FLOOR DRAIN FOUNDATION	INSTL INSUL	INSTALLATION INSULATION	PI	POINT OF INTERSECTION	SUBMG SUCT	SUBMERGED SUCTION		
CISP	CAST IRON SOIL PIPE	FEXT	FIRE EXTINGUISHER	INTER	INTERCEPTOR	PIVC	POINT OF INTERSECTION ON	SV	SOLENOID VALVE		
CJ OP C/I	CONSTRUCTION JOINT CENTER LINE	FF FGL	FINISHED FLOOR / FAR FACE FIBERGLASS	INTR INV	INTERIOR INVERT	PL OR P/L	VERTICAL CURVE PROPERTY LINE / PLATE / PLASTIC	S/W SW/D	SIDEWALK		
CL OR C/L CL2	CHLORINE	FH	FIRE HYDRANT	IP INV	IRON PIPE	PLBG	PLUMBING	SWD SWGR	SIDEWATER DEPTH SWITCH GEAR		
CLG	CEILING	FIN	FINISH(ED)	IPT	IRON PIPE THREAD	PNL	PANEL	SYMM	SYMMETRICAL		CENEDAL NOTE:
CLJ CLR	CONTROL JOINT CLEAR	FIPT FITG	FEMALE IRON PIPE THREAD FITTING	IR IRRIG	IRON ROD IRRIGATION	POC POLY	POINT OF CURVATURE POLYETHYLENE	SYS	SYSTEM		GENERAL NOTE:
CLSM	CONTROLLED LOW STRENGTH MATERIAL	FL	FLOOR LINE	IIIIII	HAROAHON	PP	POWER POLE / PURPLE PIPE	T OR TEL	TELEPHONE		1. THESE ARE STANDARD ABBREVIATIONS, NOT ALL
CMP	CORRUGATED METAL PIPE	FLEX	FLEXIBLE	JT	JOINT	PRC	POINT OF REVERSE CURVATURE	T&B	TOP & BOTTOM		OF THESE MAY BE USED ON THIS PROJECT.
Consultant:	Sub Consultant:	1		-	Engineer's Seal: Client / Own	ier:	Project Title:				Designed By: Consor Project No.: W240758OR
									01 - GENERAL		TMS Issued On: JULY 2025
	consor				PRELIMINARY		CITY OF TU	ΔΙ ΔΤΙΝΙ			Drawn By: Sheet:
707			90% SUBM	ITTA	NOT FOR				WOLD		MBE
				•••	CONSTRUCTION		SW 108TH AVE WATE	EK KESEK	VOIR GENERAL ARRREVI	PIONS	Checked By: 01-G-003

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AND PUMP STATION

GENERAL ABBREVIATIONS 01-G-003 ANB 0 1/2 1 IF BAR DOES NOT MEASURE 1 DRAWING IS NOT TO SCALE



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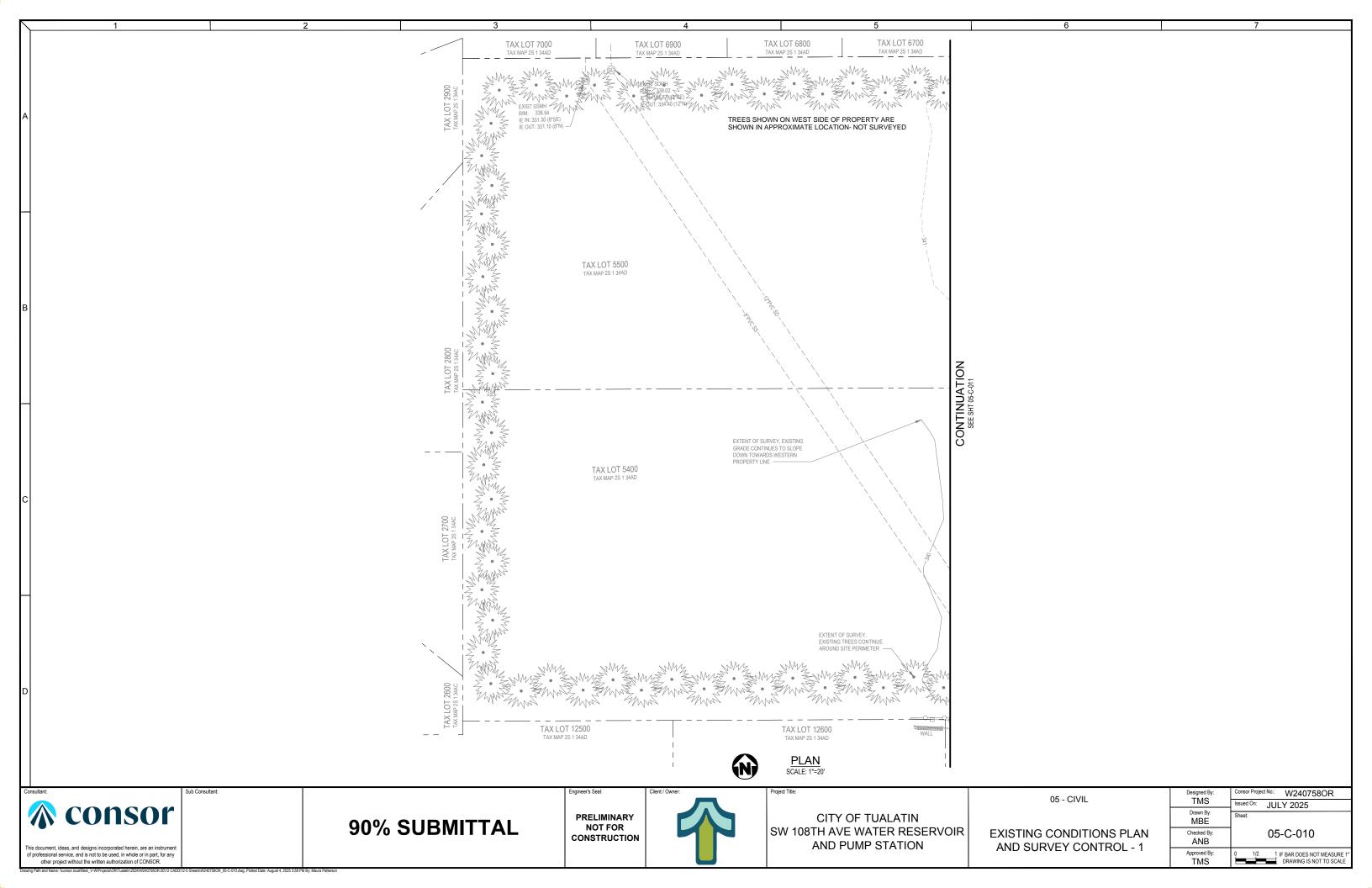
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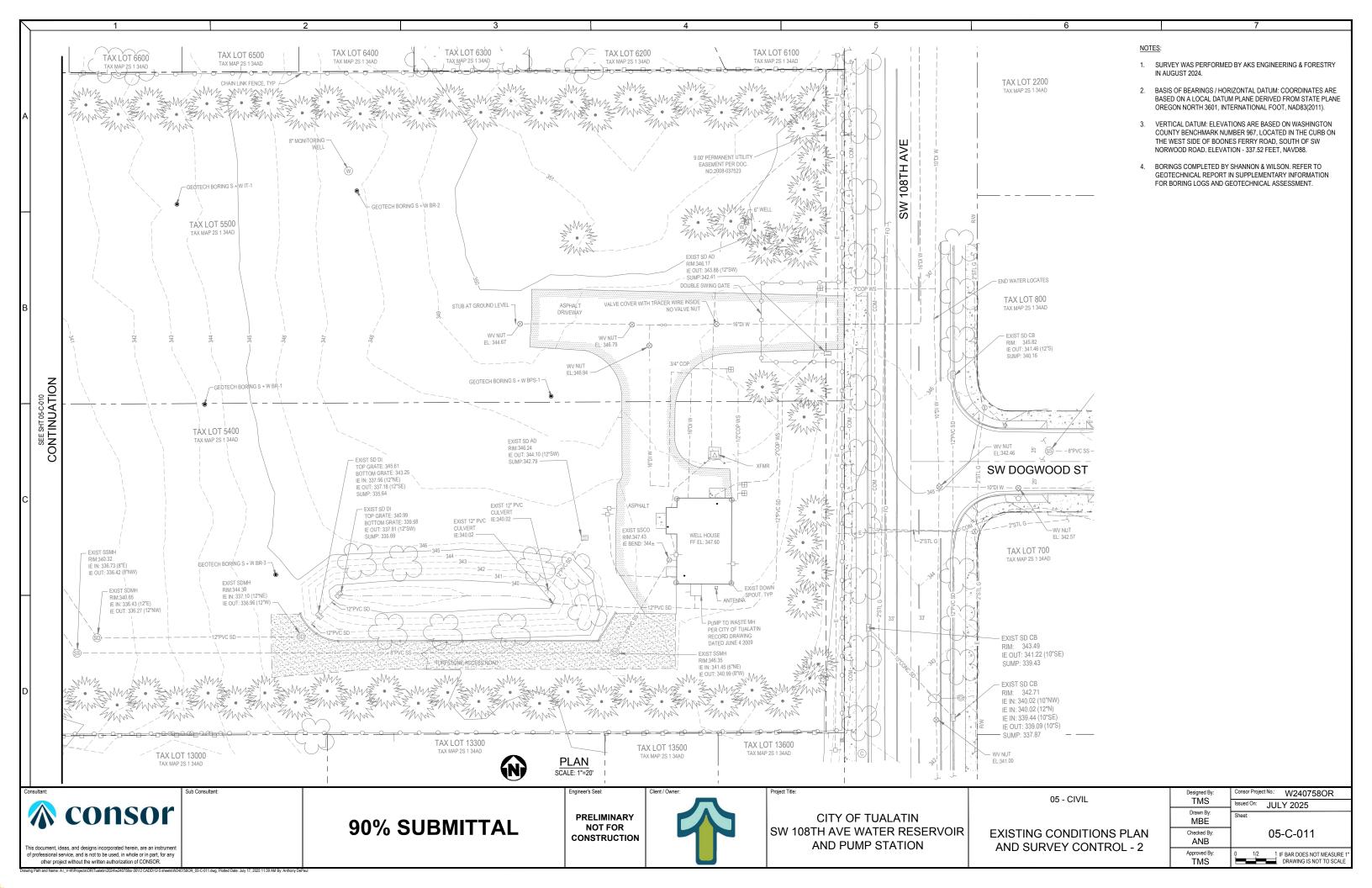
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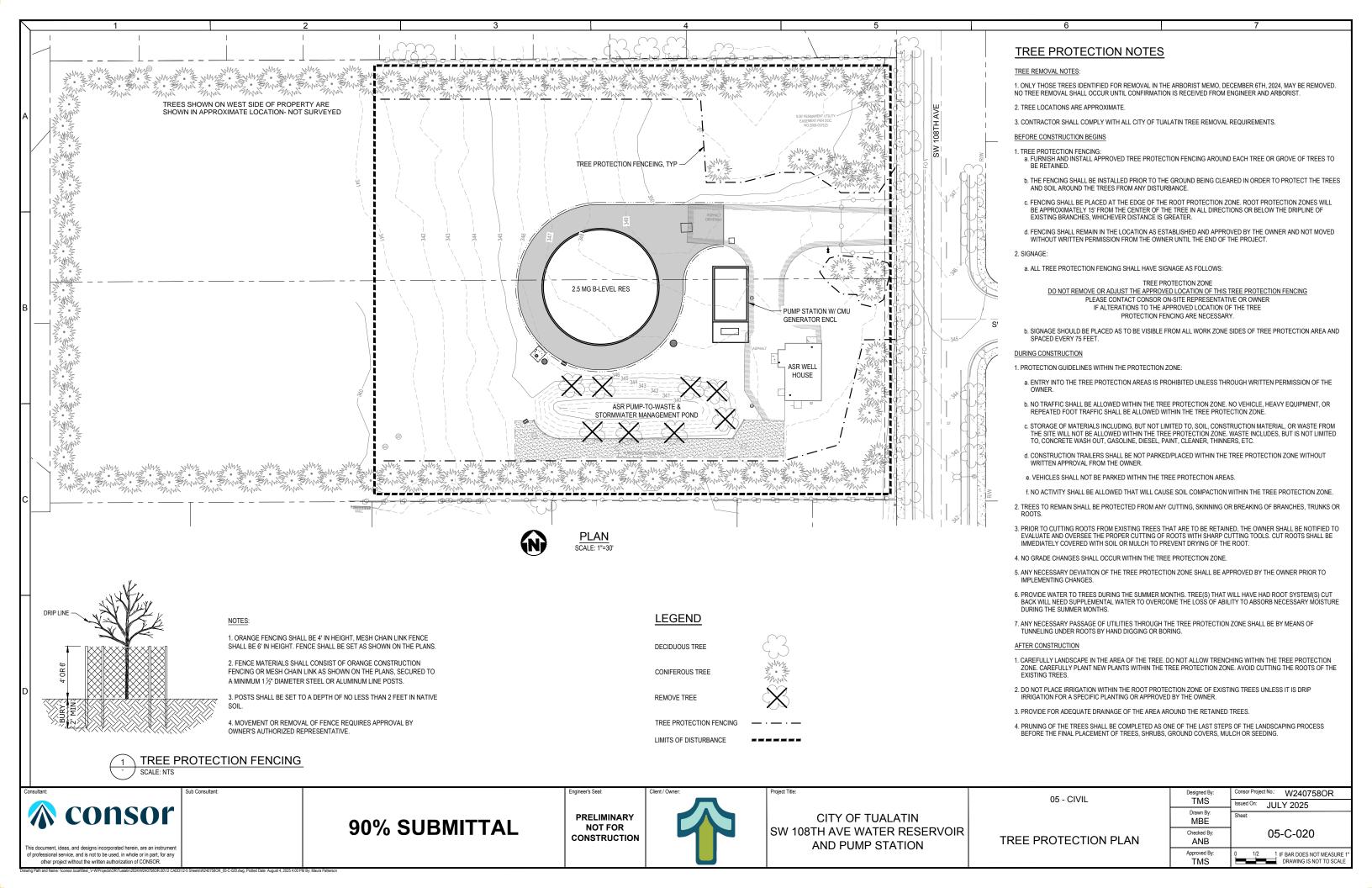


CITY OF TUALATIN SW 108TH AVE WATER RESERVOIR AND PUMP STATION

MBÉ 01-C-001 Checked By CIVIL SYMBOLS AND LEGENDS ANB TMS







SW TUALATIN-SHERWOOD F TUALATIN **PROJECT LOCATION** SW DAY RD

CITY OF TUALATIN 10699 SW HERMAN RD TUALATIN, OR 97062 CONTACT: ABBY MCFETRIDGE PHONE: (503) 691-3020

PLANNING / ENGINEERING / SURVEYING FIRM

CONSOR ONE SW COLUMBIA STREET, SUITE 1700 PORTLAND, OR 97204 CONTACT: ADAM BLAIR, PE PHONE: (503) 225-9010 EMAIL: ADAM.BLAIR@CONSORENG.COM

SURVEYOR

AKS ENGINEERING & FORESTR 12965 SW HERMAN RD, SUITE 100 TUALATIN, OR 97062 CONTACT: N/A PHONE: (503) 563-6151

CONTRACTOR

TUALATIN, OR 97062 CONTACT: N/A PHONE: N/A

VICINITY MAP SCALE: 1" = 2000'

NARRATIVE DESCRIPTIONS

EXISTING SITE CONDITIONS

DEVELOPED SITE WITH THREE PAVED ACCESS ROAD FOR ASR WELL HOUSE AND

DEVELOPED CONDITIONS

DEVELOPED SITE WITH PAVED ACCESS ROAD FOR ASR WELL HOUSE, PUMP STATION, STORMWATER MANAGEMENT POND, AND RESERVOIR.

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

PHASE 1: CLEARING, GRUBBING, AND DEMOLITION (DEC 2025)
PHASE 2: MASS EXCAVATION AND CONSTRUCTION (DEC 2025 - NOV 2026)
PHASE 3: FINAL GRADING, RUNOFF CONTROL, AND STABILIZATION (NOV 2026 - JAN 2027)

TOTAL SITE AREA: 4.7 ACRES (206.724 SF)

SOIL CLASSIFICATION:

RECEIVING WATER BODIES
NO BODIES DIRECTLY

NATURAL BUFFER ZONE:

SW IBACH ST **PROJECT LOCATION** SW HELENIUS ST SW TONQUIN RD

LOCATION MAP SCALF: 1" = 1000'

PROPERTY DESCRIPTIONS:

TOWNSHIP 02 SOUTH, RANGE 01 WEST, SECTION 34

PROJECT LOCATIONS:

TUALATIN, OR 97062

ASSOCIATED PERMITS CITY OF TUALATIN CONDITIONAL USE PERMIT CUP25-000

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY 503-232-1987, IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.

STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

(REFERENCED FROM THE OREGON STORMWATER MANUAL)

ONCE KNOWN, INCLUDE A LIST OF ALL CONTRACTORS THAT WILL ENGAGE IN CONSTRUCTION ACTIVITIES ON SITE, AND THE AREAS OF THE SITE WHERE THE CONTRACTOR(S) WILL ENGAGE IN CONSTRUCTION ACTIVITIES, REVISE THE LIST AS APPROPRIATE UNTIL PERMIT COVERAGE IS TERMINATED (SECTION 4.4.C.). IN ADDITION, INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES, (SECTION 4.6.1)

VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)

INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEGY 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.0)

RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEG, AGENT, OR THE LOCAL MUNICIPALITY. (SECTION 4.7)

THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTION 4.8 AND 4.11)

THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS (SECTION 4.8)

THE ESOP MUST BE ACCURATE AND REFLECT SITE CONDITIONS, (SECTION 4.8)
SUBMISSION OF ALL ESOF PEVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESOP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR
AGENT WITHIN 10 DAYS. (SECTION 4.9)
SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION, (SECTION 2.2)
CREATE SMOOTH SUBFRACES BETWEEN SOIL SUBFRACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
IDENTIFY, MARK AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT THESE AND ASSOCIATED ROOTING
ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE
DESCENDED IN DEDMINET BORDAY. SEAT.

PRESERVED, ESPECIALLY IN PERIME LER ARLAS. (SECTION 22.1)

1. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VIGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION.
IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION 2.2.5)

12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SECTION 2.2.4)

13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE.

14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME. TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAM BANKS. (SECTIONS 2.1.1. AND

2.2.16)

15. CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY, (SECTIONS 2.2.6 AND 2.2.13)

16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK, (SECTION 2.2.14)

17. APPLY TEMPORARY ANDIOR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS (SECTIONS 2.2.20 AND 2.2.21)

2.27)

18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS, (SECTION 2.3.7)

19. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY, FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEERING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PREVENTATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLILUTANTS (E.G., SECONDARY CONTAINNENT), (SECTION 2.3.7)

20. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WAST. THESE BMPS MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES. (SECTION 2.2.7)

21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE, (SECTION 2.2.7)

22. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.8)

(SECTIONS 1.5 AND 2.3.9)
23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
24. PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.10)
25. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES, AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, PYORAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3.)
26. PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND 3.7. AND 3.7.

28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE

29. IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES, (SECTION 2.3)

30 LISE WATER SOIL-RINDING AGENT OR OTHER DILIST CONTROL TECHNIQ 2.5)

30. USE WATER, SOIL SINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)

31. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURERS RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASE STO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)

32. IF AN ACTIVE TREATMENT SYSTEM, FOR EXAMPLE, ELECTRO-COAGULATION, FLOCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMENT, L.) CLOCATION OF SYSTEM, LOCATION OF NILET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM. COSTORING TO MANUFACTURERS SPECIFICATIONS, (SECTION 1.2.9)

33. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR, (SECTION 2.2)

34. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATER. (SECTION 2.2)

35. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE FOR IT REACHES TWO INCHES DETTH ABOVE GROUND HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.B)

36. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS); REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DETTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.C)

37. CATCH BASINIS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SECTION 2.1.5.D)

38. WITHIN 24 HOURS. SIGNIFICANT SEDIMENT THAT HAS LETT THE CONSTRUCTION STEE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON TO PREVENT A RECORDENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAR-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE ORESON DEPARTMENT OF STATE LANDS REQUIRED THINEFRAME, (SECTION 2.219.4).
THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.219).

CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)

4. DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.F.)

4. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.0)

4.2 DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY FEROSION CONTROLS AND RETAINED MOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATED ONCE PORTION OF DEPRIED COVERAGE.

INSPECTION FREQUENCY:

TERMINATION OF PERMIT COVERAGE, (SECTION 2.2.21)

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM SITE. AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS	IN ANY AREA OF THE SITE WHERE THE STABILIZATION STEPS HAVE BEEN COMPLETED, ONCE EVERY 14 DAYS FOR THE FIRST MONTH, THEN ONCE PER MONTH.
3. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	IF SAFE, ACCESSIBLE AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATERBODY.
4. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS.	INSPECTIONS MAY BE TEMPORARILY SUSPENDED. RESUME MONITORING IMMEDIATELY UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.
5. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE CONDUCTED AND DISCHARGE IS UNLIKELY DURING FROZEN CONDITIONS.	MONTHLY. RESUME MONITORING IMMEDIATELY UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR AND CITY OF TUALATIN TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS (SCHEDULE A 8 C 1)(3)

ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ.
AGENT, OR THE LOCAL MUNICIPALITY DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION, (SCHEDULE B.2.A

THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200-C PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200-C PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR

BMP MATRIX FOR CONSTRUCTION PHASES:

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S

PHASE/BMP	CLEAR- ING	DEMO- LITION	EXCAV- ATION	TANK CONSTRUCTION / SUBGRADE UTILITIES	FINAL STABILI- ZATION	WEAT (OCT MAY
	EROS	ION PRE	/ENTION			
PRESERVE NATURAL VEGETATION	Х	Х	Х	Х	Х	Х
GROUND COVER					Х	Х
HYDRAULIC APPLICATIONS						Х
PLASTIC SHEETING			Х			Х
DUST CONTROL	Х	Х	Х	Х		
TEMPORARY/PERMANENT SEEDING					Х	
SLOPE MATTING			Х	Х	Х	Х
BUFFER ZONE	Х	Х	Х	Х	Х	Х
	SEDI	MENT CC	NTROL			
*SEDIMENT FENCE(PERIMETER)	Х	Х	Х	Х		Х
*SEDIMENT FENCE (INTERIOR)	Х	Х	Х	Х		Х
*STRAW WATTLES	Х	Х	Х	Х		Х
*INLET PROTECTION	Х	Х	Х	Х		Х
DEWATERING (GENERAL)		Х	Х	Х		Х
FILTER BERM	Х	Х	Х	Х		
SEDIMENT TRAP						
NATURAL BUFFER ENCROACHMENT						
COMPOST STOCK				Х	Х	
	RUN	I-OFF CO	NTROL			
*CONSTRUCTION ENTRANCE	Х	Х	Х	Х		Х
PIPE SLOPE DRAIN						
OUTLET PROTECTION		Х	Х	Х		Х
*CHECK DAMS	Х	Х	Х	Х		
SURFACE ROUGHENING					Х	
	POLLU	TION PRE	VENTION			
PROPER SIGNAGE	Х	Х	Х	Х	Х	Х
HAZARD WASTE MANAGEMENT	Х	Х	Х	Х	Х	Х
SPILL KIT ON-SITE	Х	Х	Х	Х	Х	Х
CONCRETE WASH OUT AREA	Х	Х	х	Х		Х

RATIONALE STATEMENT:

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMPS WERE NOT CHOSE BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE FROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS, AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

ΙΝΙΤΙΔΙ

E-MAIL: TBD DESCRIPTION OF EXPERIENCE: TBD

SHEET INDEX **EROSION AND SEDIMENT CONTROL PLANS**

ESC PLAN COVER SHEET

ESC PLAN PHASE 1 - CLEARING, GRUBBING, AND DEMOLITION 05-C-052 ESC PLAN PHASE 2 - MASS EXCAVATION AND CONSTRUCTION

ESC PLAN PHASE 3 - FINAL GRADING, RUNOFF CONTROL, AND STABILIZATION 05-C-053

05-C-054

ESC CWS STANDARD DETAILS - 1 05-C-055

05-C-056 ESC CWS STANDARD DETAILS - 2

MBÉ

Consor Project No.: W240758OR MDF JULY 2025 Drawn By: 05-C-050 Checked By ANB 1 IF BAR DOES NOT MEASURE

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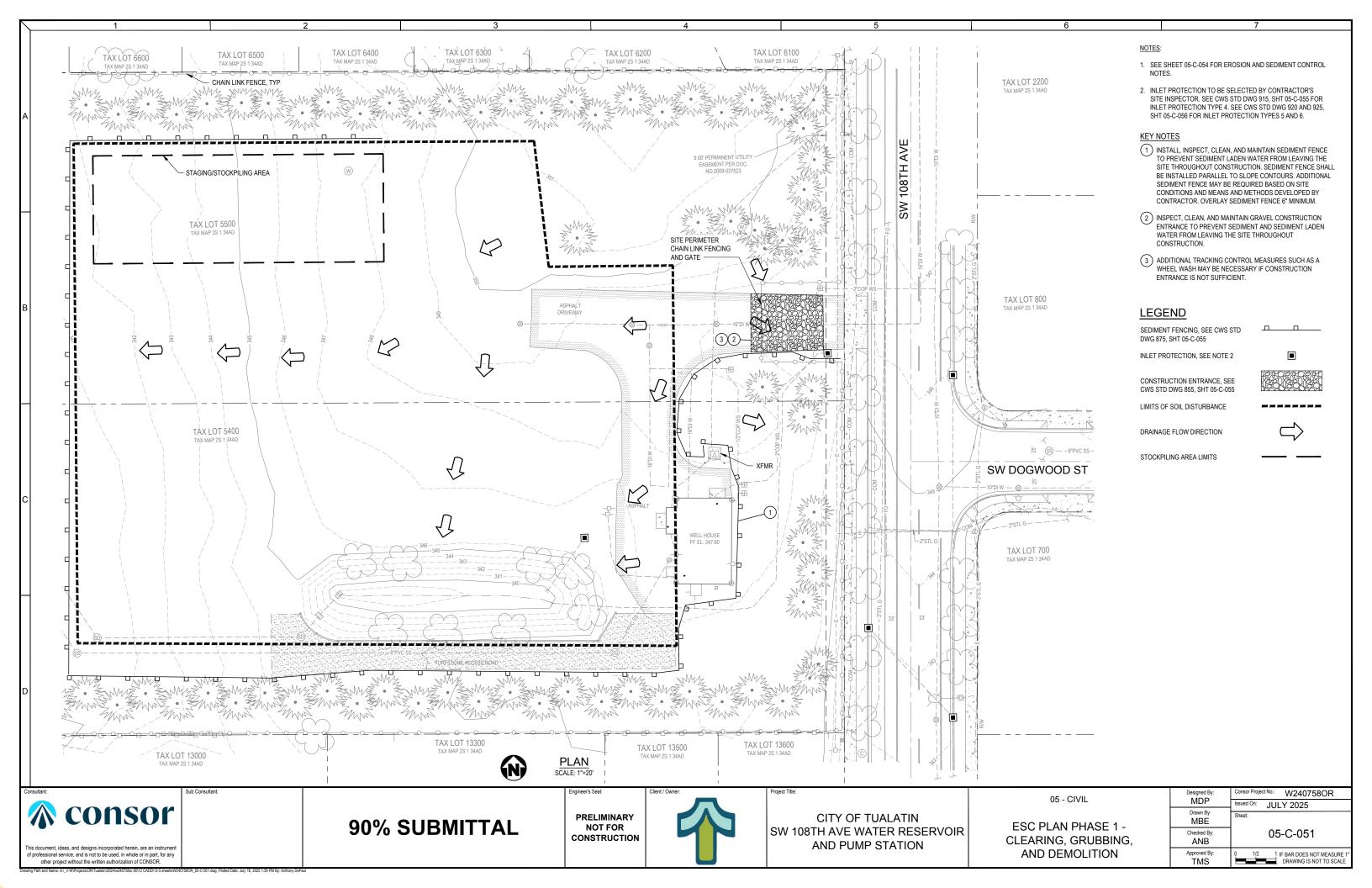
CITY OF TUALATIN SW 108TH AVE WATER RESERVOIR AND PUMP STATION

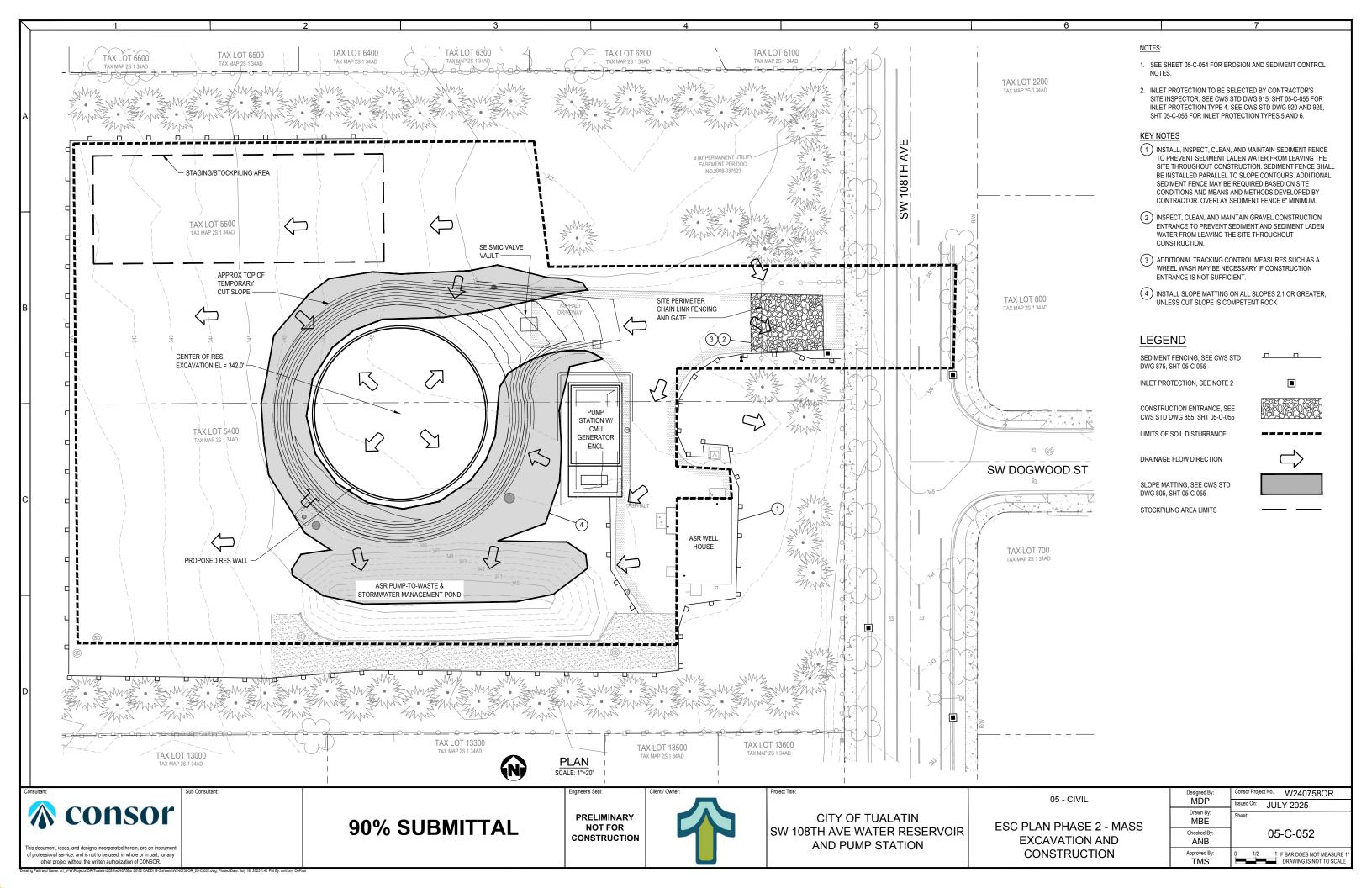
ESC PLAN COVER SHEET

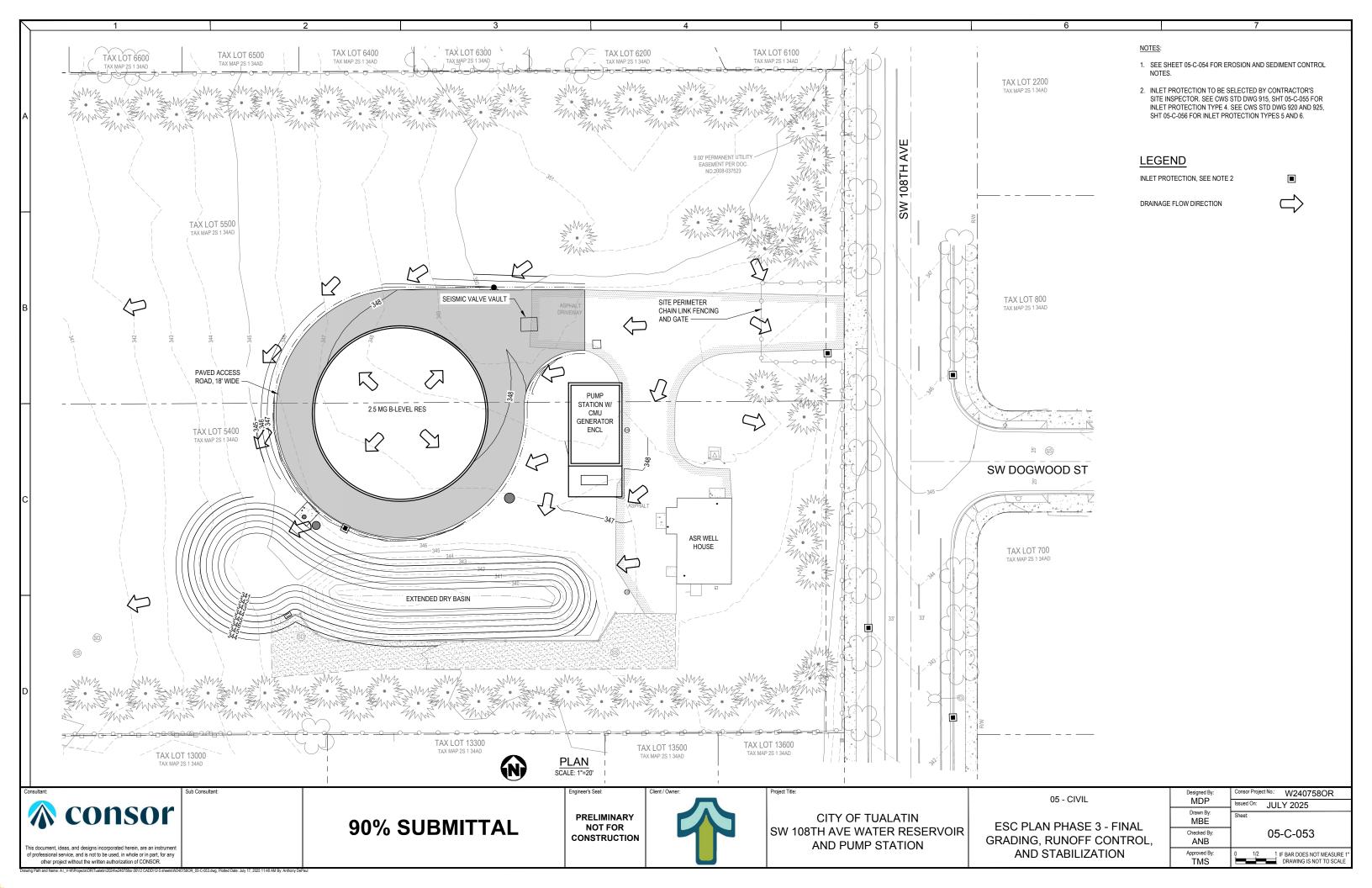
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- ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. BASIC ESC MEASURES TO REMAIN IN PLACE AFTER COMPLETION OF MASS EXCAVATION WORK
- 2. HAZARDOUS MATERIALS, SUCH AS BUT NOT LIMITED TO PAINTS, GASOLINE, AND CONCRETE CURING AGENTS SHALL BE STORED WITHIN A CONTAINMENT DEVICE AND/OR STRUCTURE FOR ACCIDENTAL SPILLS AND HAVE ENOUGH CAPACITY TO CAPTURE A MINIMUM OF 110 PERCENT OF THE PRODUCT'S LARGEST CONTAINER OR 10 PERCENT OF THE TOTAL VOLUME OF PRODUCT STORED, WHICHEVER IS LARGER.
- 3. ALL "SEDIMENT BARRIERS SHOWN ON THESE PLANS (TO BE INSTALLED AFTER COMPLETION OF EACH CONSTRUCTION PHASE)" SHALL BE MAINTAINED BY TANK CONTRACTOR THROUGHOUT THE DURATION OF
- 4. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING SEEDING, JUTE MATTING, WATTLES, AND ROCK CHECK DAMS" SHALL BE IN-PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
- 5. INSTALL AND MAINTAIN CRUSHED ROCK HAUL ROUTES AS REQUIRED THROUGHOUT THE SITE TO PREVENT TRACKING ONTO SW 108TH AVE.
- LOCATION OF SEDIMENT SEPARATION AREA IS CONCEPTUAL. FINAL LOCATION TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER
- LONG TERM SLOPE AND DISTURBED AREAS STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE. SEE SPECIFICATIONS. IN ADDITION, ALL SLOPES OF 2:1 OR GREATER SHALL RECEIVE MATTING.
- EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
- 9. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT, ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES. STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS IN THE VICINITY OF THE SITE USED FOR HAULING SOIL ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 10. USE BMPS SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING
- 11. INSTALL BIOBAGS ON DOWN-GRADIENT SIDE OF INLETS WITHIN SW 108TH AVE DUE TO STEEP GRADE. SECURE BIOBAGS AT CURB LINE AND ADJACENT TO INLETS WITH SANDBAGS OR GRAVEL BAGS
- 12. ENTRY INTO THE TREE PROTECTION AREAS IS PROHIBITED EXCEPT BY THE PROJECT ARBORIST UNLESS THROUGH WRITTEN PERMISSION OF THE PROJECT ARBORIST. NO VEHICLE, HEAVY EQUIPMENT, OR REPEATED FOOT TRAFFIC SHALL BE ALLOWED WITHIN TREE PROTECTION AREAS. STORAGE OF MATERIALS INCLUDING, BUT NOT LIMITED TO, SOIL, CONSTRUCTION MATERIAL, OR WASTE FROM THE SITE WILL NOT BE ALLOWED WITHIN THE TREE PROTECTION ZONE.
- 13. HAUL ROUTE SHALL BE DESIGNATED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO EXCAVATION CUT ACTIVITIES. ALL EXCAVATED MATERIALS SHALL BE HAULED OFFSITE.
- 14. EMERGENCY EROSION CONTROL MATERIALS MUST BE KEPT ON SITE AT ALL TIMES.
- 15. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
- 16. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
- 17. COVER CATCH BASINS, MAINTENANCE HOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTROCUDING THESE MATERIALS TO THE STORM WATER SYSTEM.
- 18. INSTALL EROSION CONTROL BLANKETS, OR APPROVED ALTERNATIVE, TO ALL DISTURBED SLOPES 2:1 OR GREATER, APPLY BLANKET, GRASS SEED, AND COMPOST PER LANDSCAPING DETAILS.
- 19. RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTAINTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURE INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.
- 20. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.
- 21. A PHASED MASS GRADING AND RUNOFF CONTROL PLAN IS REQUIRED FOR PROJECTS WHERE CLEARING AND MASS GRADING ACTIVITIES ARE PROPOSED DURING THE WET WEATHER PERIOD, OCTOBER 1 THROUGH MAY 31. THE RUNOFF CONTROL PLAN SHALL IDENTIFY BMPS FROM CWS DESIGN AND CONSTRUCTION STANDARDS CHAPTER 6, TABLE 6-2, OR APPROVED ALTERNATIVES AND BE SUBMITTED WITH, OR AS A REVISION TO, THE EPSC PLAN. ALL BMPS SPECIFIED ON THE RUNOFF CONTROL PLAN SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO COMMENCEMENT OF MASS GRADING.

- 22. SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
 - A. DWARF GRASS MIX (MIN. 100 LB./AC.)
 - 1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
 - 2. CREEPING RED RESCUE (20% BY WEIGHT)
 - B. STANDARD HEIGHT GRASS MIX (MIN. 100 LB./AC.) 1. ANNUAL RYEGRASS (40% BY WEIGHT)
 - 2. TURF-TYPE FESCUE (60% BY WEIGHT)
- 23. TO THE EXTENT POSSIBLE, USE VEGETATED, UPLAND AREAS OF THE SITE TO INFILTRATE DEWATERING WATER BEFORE DISCHARGE. THE REGISTRANT IS PROHIBITED FROM USING WATER OF THE STATE AS PART OF THE
- 24. IMPLEMENT THE APPROPRIATE CONTROL MEASURES FOR DEWATERING DISCHARGES TO PREVENT THE DISCHARGE OF POLLUTANTS
- 25. DO NOT DISCHARGE VISIBLE FLOATING SOLIDS OR FOAM;
- 26. USE AND OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICES (SUCH AS A CARTRIDGE FILTER) THAT IS DESIGNED TO REMOVE OIL, GREASE, OR OTHER PRODUCTS IF DEWATERING WATER IS FOUND TO CONTAIN
- 27. AT ALL POINTS WHERE DEWATERING WATER IS DISCHARGED, COMPLY WITH THE VELOCITY DISSIPATION REQUIREMENTS OF SECTION 2.2.16;
- 28. WITH BACKWASH WATER, EITHER HAUL IT AWAY FOR DISPOSAL OR RETURN IT TO THE BEGINNING OF THE TREATMENT PROCESS:
- 29. REPLACE AND CLEAN THE FILTER MATERIAL IN DEWATERING DEVICES WHEN THE PRESSURE DIFFERENTIAL EQUALS OR EXCEEDS THE MANUFACTURER'S SPECIFICATIONS:
- 30. IF THERE IS NO ALTERNATIVE OPTION, THE USE OF A SANITARY OR COMBINED SEWER DISCHARGE IS AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL
- 31. ACTIVE TREATMENT SYSTEMS FOR TURBIDITY OR ANY OTHER POLLUTANTS MUST BE DESIGNED AND STAMPED BY AN OREGON REGISTERED PROFESSIONAL ENGINEER

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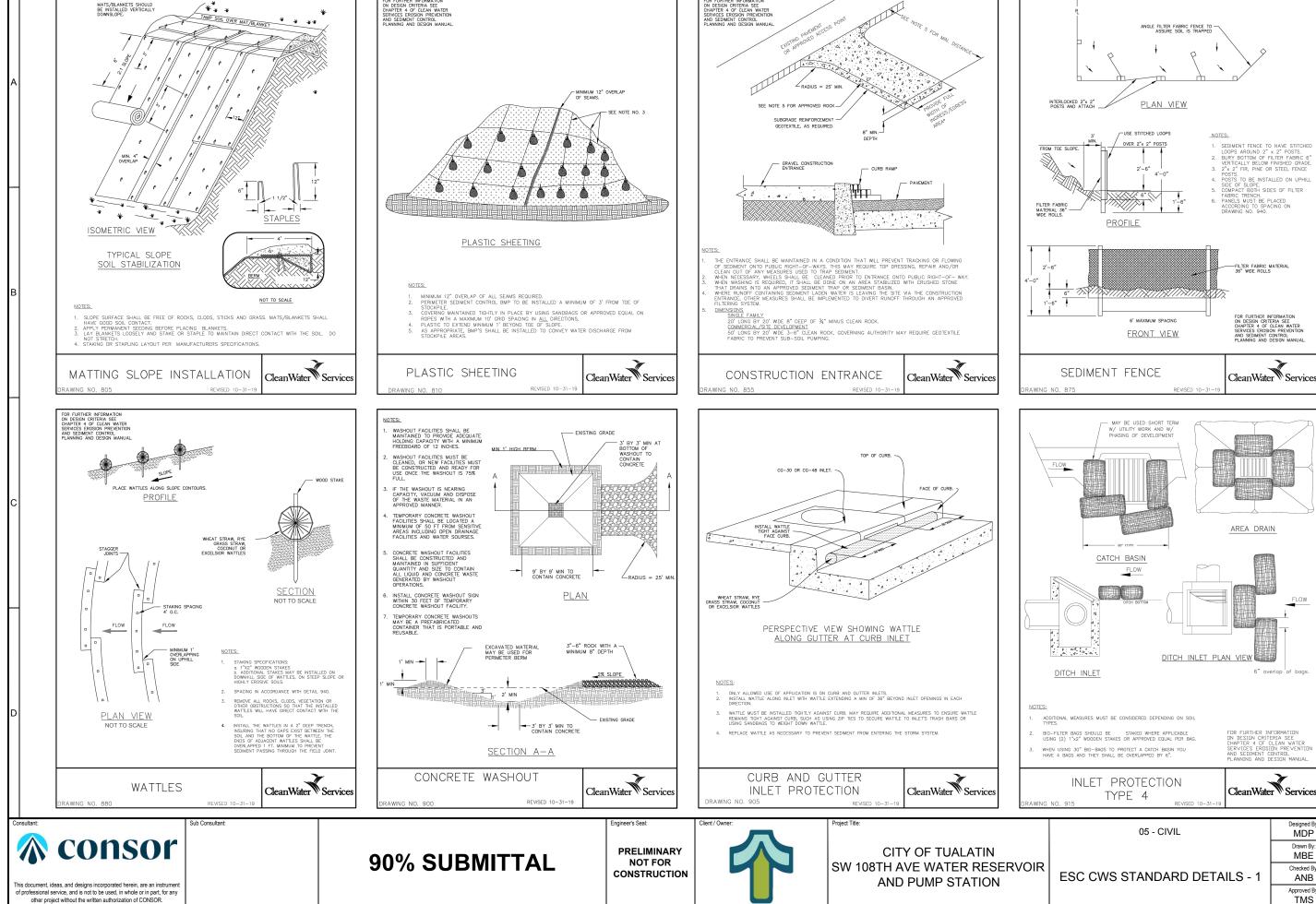
CITY OF TUALATIN AND PUMP STATION

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ESC NOTES

Consor Project No.: W240758OR MDP Issued On: JULY 2025 Drawn By: MBF 05-C-054 Checked By ANB 1 IF BAR DOES NOT MEASURE TMS

SW 108TH AVE WATER RESERVOIR



Designed By MDP

Drawn By:

MBÉ

Checked By

ANB

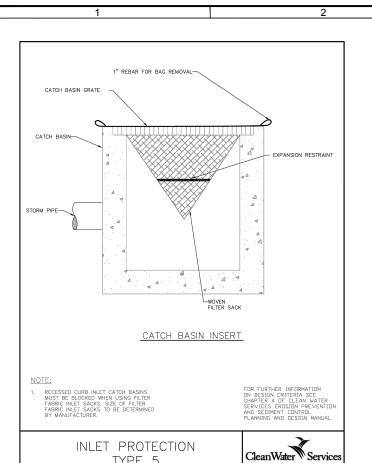
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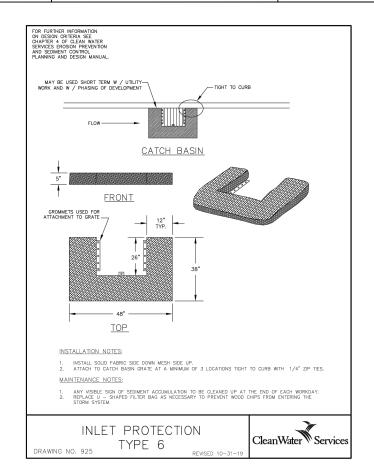
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0 1/2 1 IF BAR DOES NOT MEASURE 1
DRAWING IS NOT TO SCALE

Issued On: JULY 2025



TYPE 5



SPACING FOR CHECK DAMS									
DITCH GRADE	6 INCH	12 INCH	18 INCH						
6%	NOT ALLOWED	16 FT O.C.	26 FT O.C.						
5%	NOT ALLOWED	20 FT	30 FT						
4%	NOT ALLOWED	26 FT	40 FT						
3%	15 FT	33 FT	50 FT						
2%	25 FT	50 FT	80 FT						

BARRIER SPACING FOR GENERAL APPLICATION

INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS									
% SLOPE	SLOPE H:V	MAXIMUM SPACING ON SLOPE							
10% OR FLATTER	10:1 OR FLATTER	300 FT							
>10% OR <15%	>10:1 OR <7.5:1	150 FT							
>15% OR <20%	>7.5:1 OR <5:1	100 FT							
>20% OR <30%	>5:1 OR <3.5:1	50 FT							
>30% OR <50%	>3.5:1 OR <2:1	25 FT							

1. FOR MORE INFORMATION REGARDING THESE TABLES SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL DESIGN MANUAL.

SPACING TABLES

CleanWater Services

GENERAL EROSION CONTROL NOTES:

1. COMPLY WITH ALL PAPILCABLE PROVISIONS IN CHAPTER 6 OF THE DESIGN AND CONSTRUCTION STANDARDS (CURRENT): R&O 19-5 AS AMENDED BY R&O 19-22, ADOPTED NOVEMBER 12, 2019.

ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP LIKE A FILTER BAG.

. ALL EXPOSED SOILS MUST BE COVERED DURING WET WEATHER PERIOD, OCTOBER 1, - MAY 31.

. HOLD A PRECONSTRUCTION MEETING WITH PROJECT CONSTRUCTION PERSONAL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.

WATTLES OR OTHER APPROVED MATERIALS.

2. ALL BASE ESC HEASUNES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE
IN PLACE, FUNCTIONAL AND APPROVED IN AN INITIAL INSPECTION PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

3. RUN-ON AND RUN-OFF SCHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES.

RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRIAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE

ROUSHEINING, AND BANK STABILIZATION.

WATTLES OR OTHER APPROVED MATERIALS.

IRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

1. IF VEGETATED SEED MIRES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 15T. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIKES, SEE RESTORATION PLAN FOR A PRPHOPRIATE SEED MIK IN THOSE AREAS. SEED USED FOR TEMPORARY OR PERMANENT SEEDING OUTSIDE VEGETATED CORRIDORS SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:

A. DWARF GRASS MIX (MIN. 100 LB./AC.)

1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)

2. CREEDING RED FESCUE (20% BY WEIGHT)

2. TURNING RED FESCUE (20% BY WEIGHT)

2. TURNING RED FESCUE (20% BY WEIGHT)

LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING

WITH APPROVED MIX AND APPLICATION RATE. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING WOOD CHIPS, OR OTHER APPROVED MEASURES.

OF THE STOCKPILE.

6. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL
BLANKETS OR MATS, MID—SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY
REQUIRE ADDITIONAL REPOSION CONTROL MEASURES.

7. AREAS SUBJECT TO WIND REGIONS SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE
SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF
THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIEE WASHES, STREET SWEEPING, AND VACUUMING MAY BE
REQUIRED TO ENSURE THAT ALL PAYED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

9. USE BMPS SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN—OF FROM REACHING DISCHARGE POINTS.

10. COVER CATCH BASINS, MANHOLES AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACT COAT ETC. TO PREVENT PRODUCTS FROM ENTERING THE STORM SYSTEM.

EROSON AND SEDIMENT CONTROL BMP IMPLEMENTATION:

. ALL SEDIMENT BARRIERS TO BE INSTALLED AFTER GRADING SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.

. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1. 3. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND

STANDARD EROSION CONTROL NOTES FOR SITES 1 ACRE AND CleanWater Services DRAWING NO. 946 GREATER REVISED 6-30-21



consor

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

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION

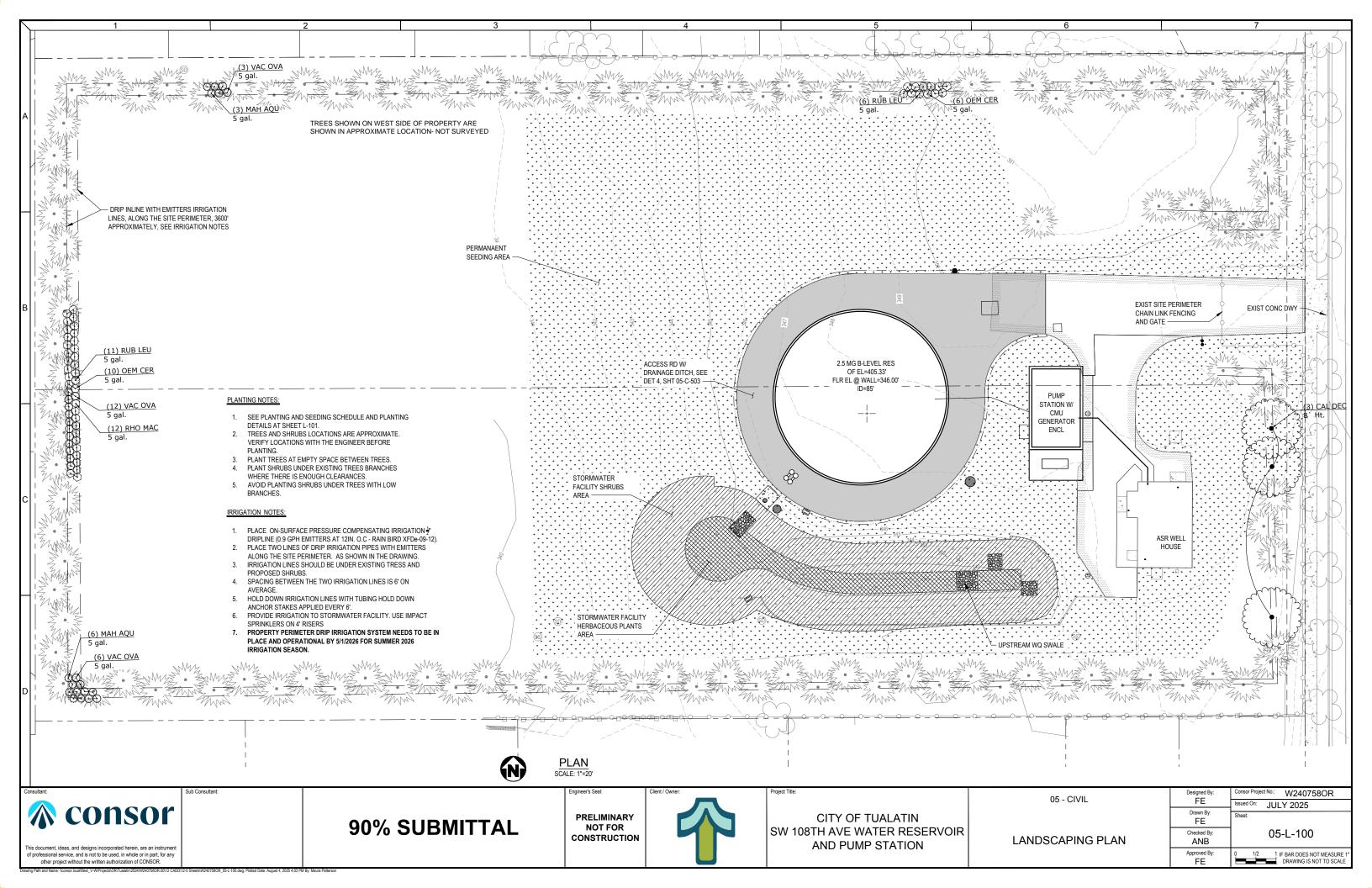


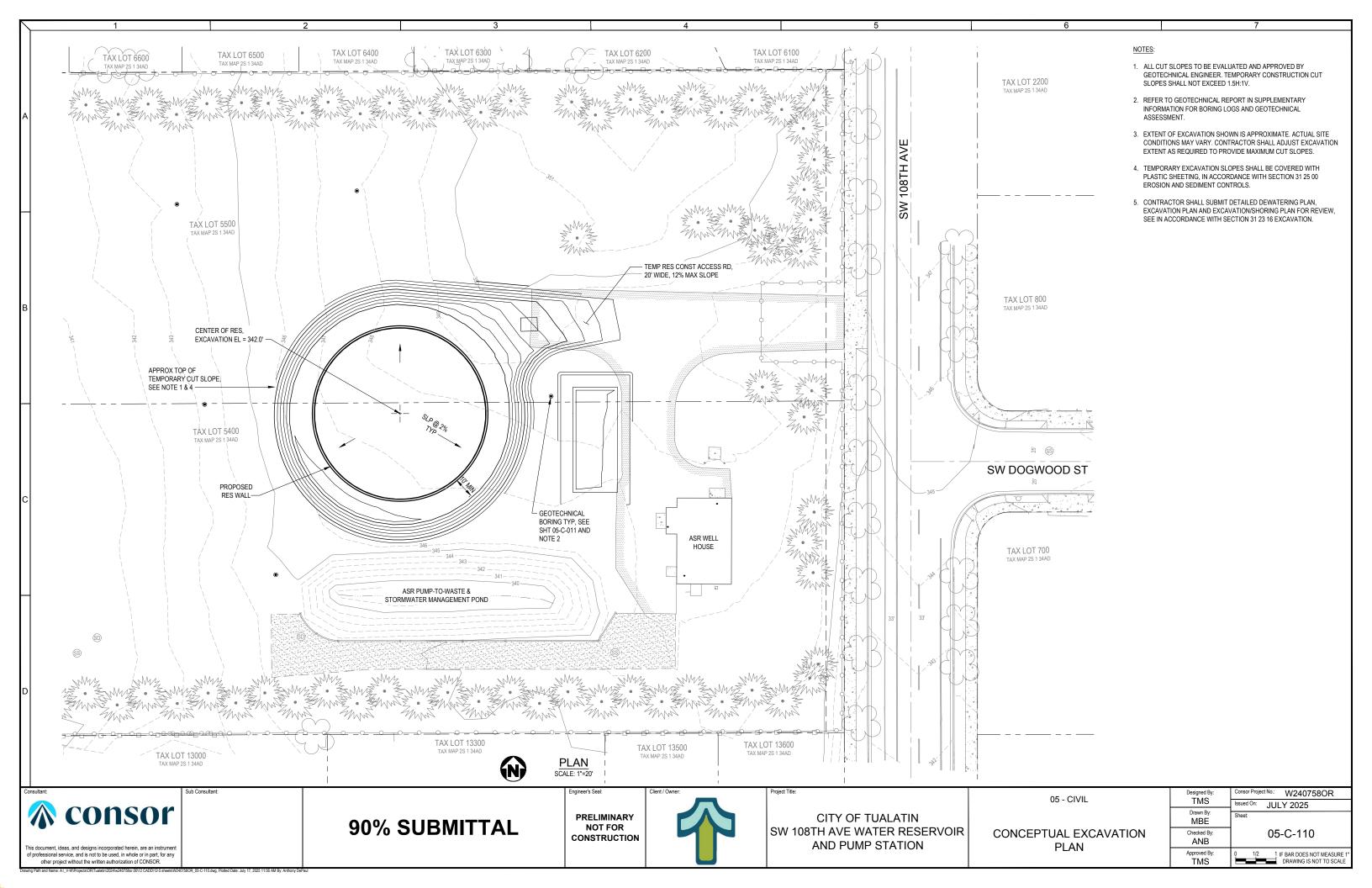
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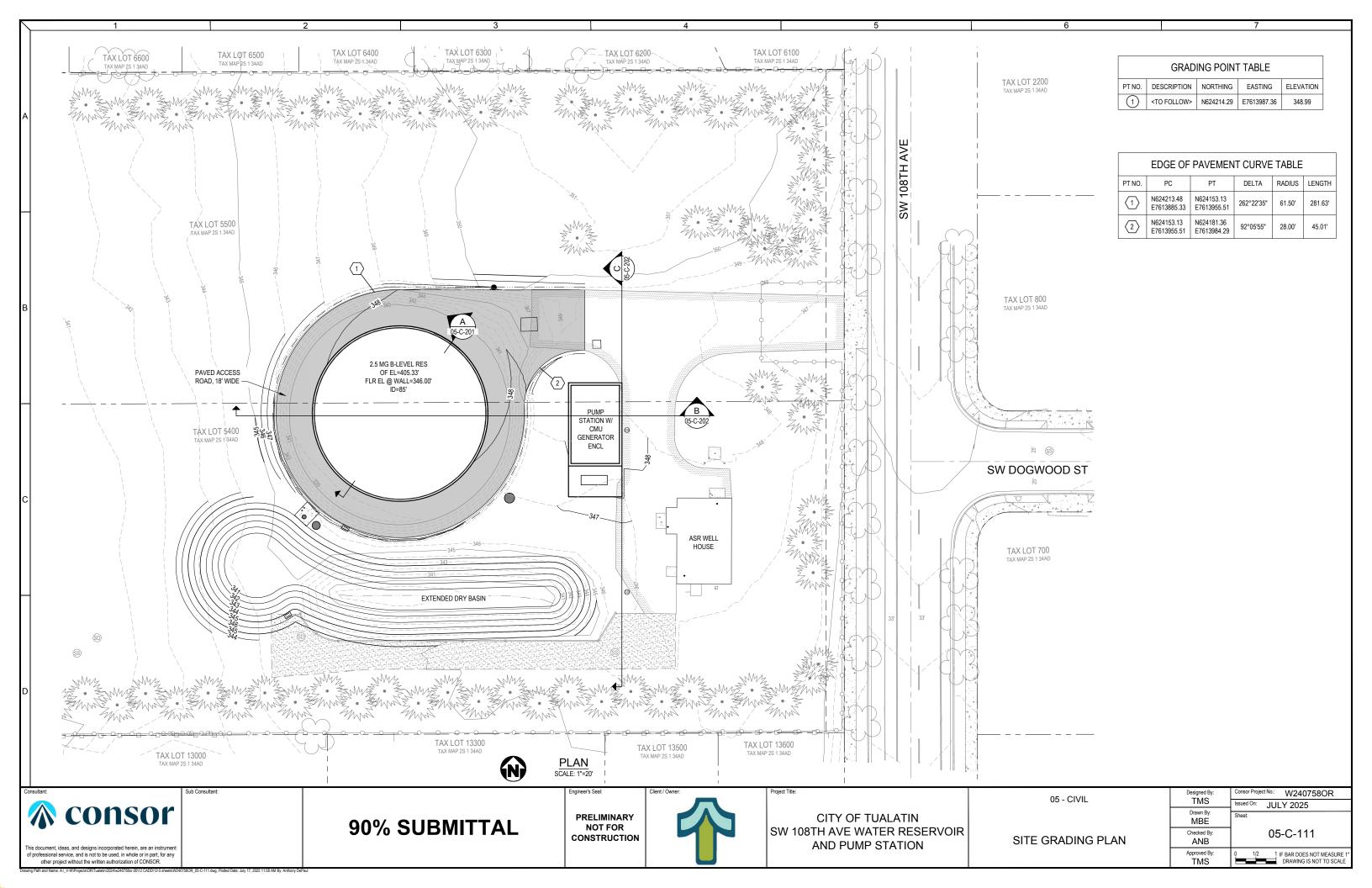
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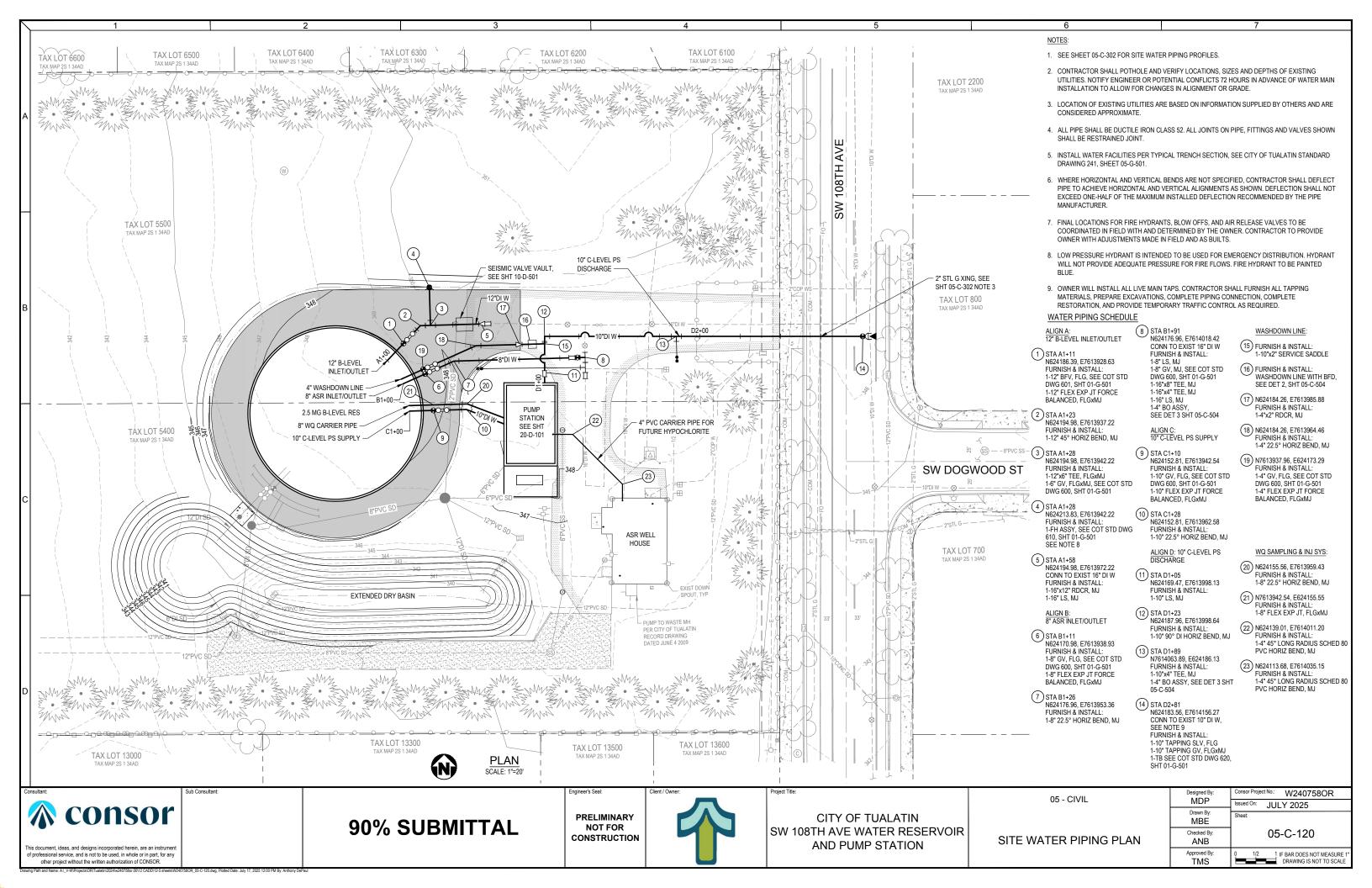
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DRAWING IS NOT TO SCALE TMS

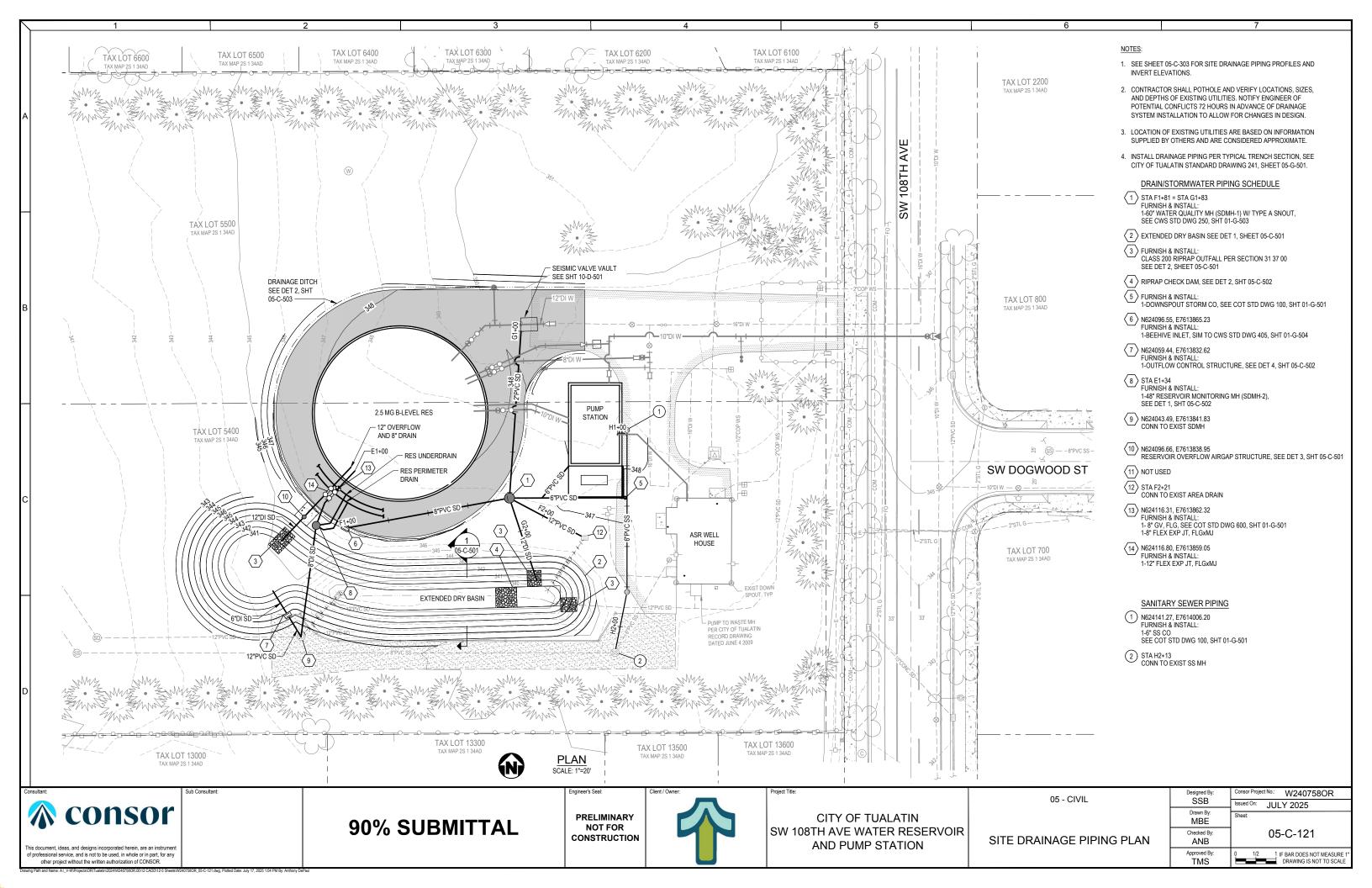
of professional service, and is not to be used, in whole or in part, for any other project without the written authorization of CONSOR.

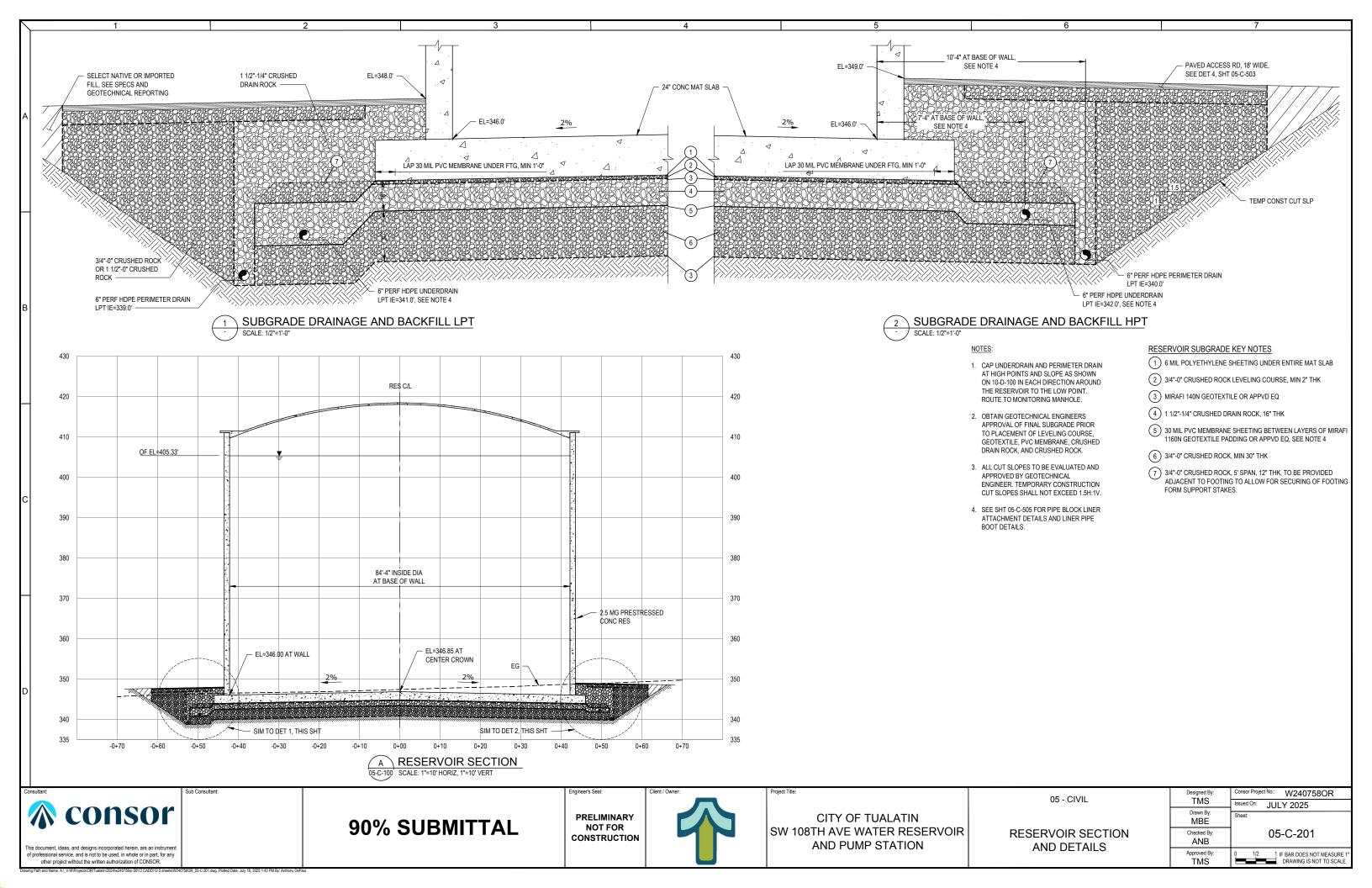


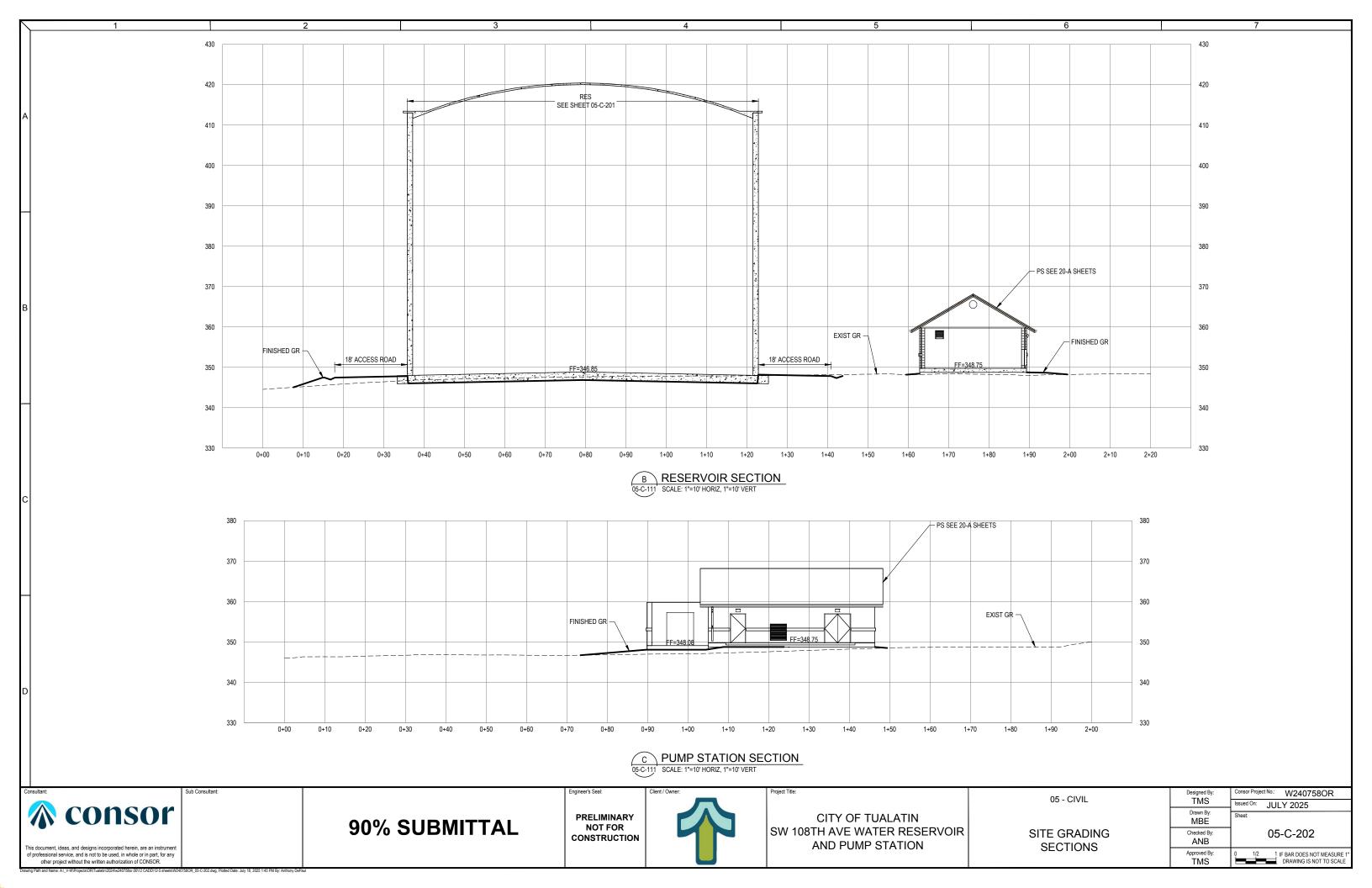


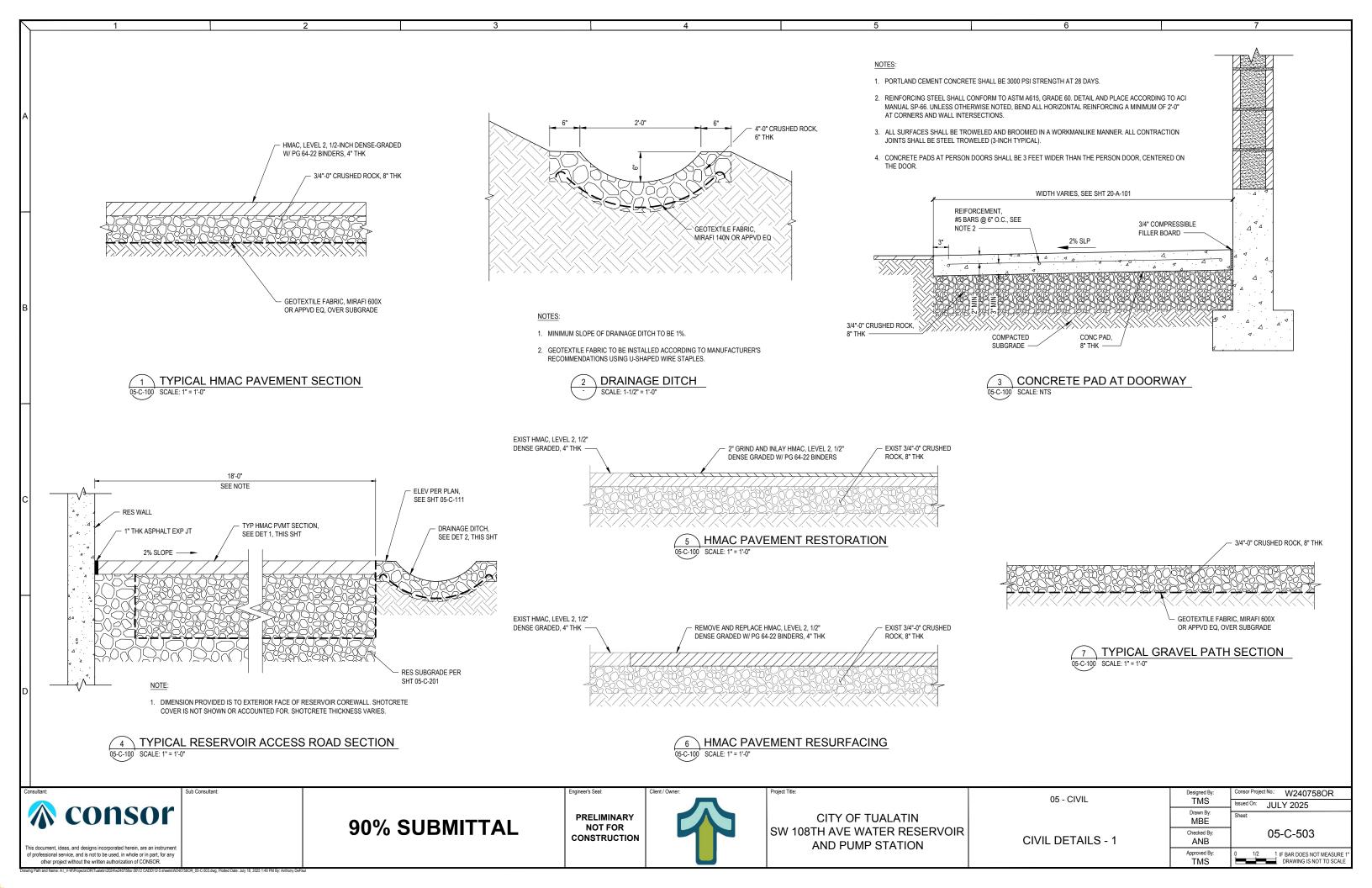


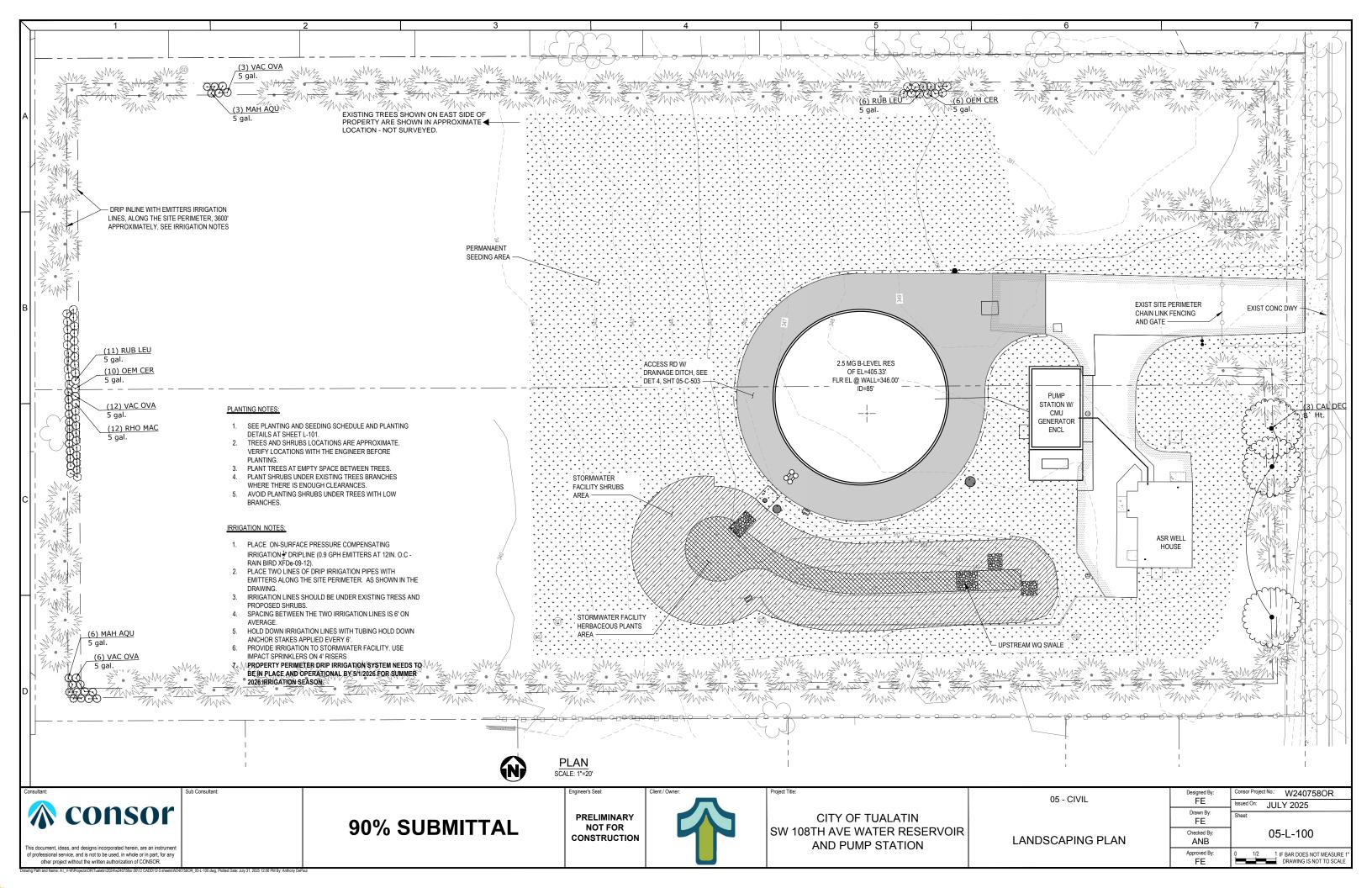


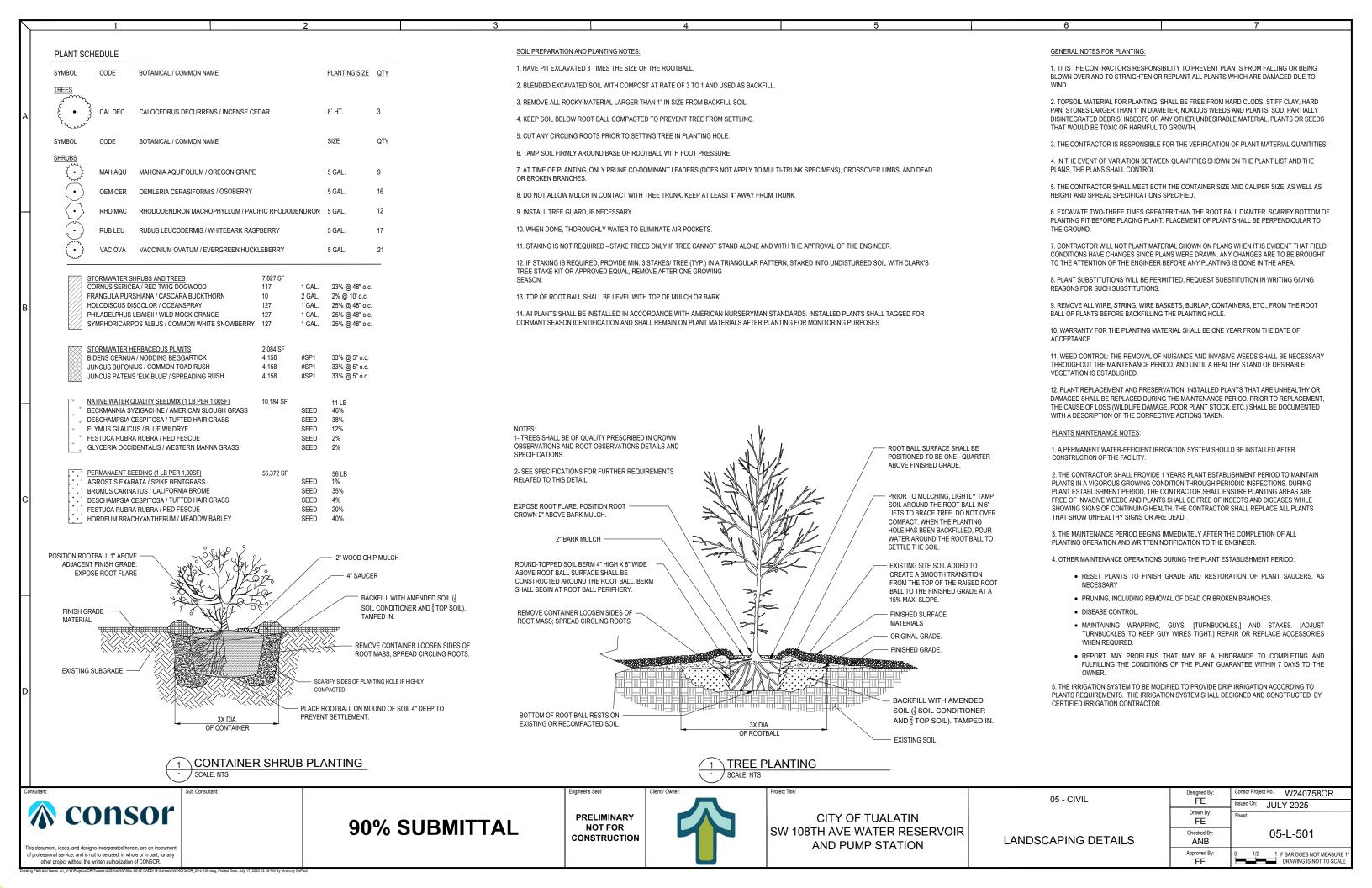












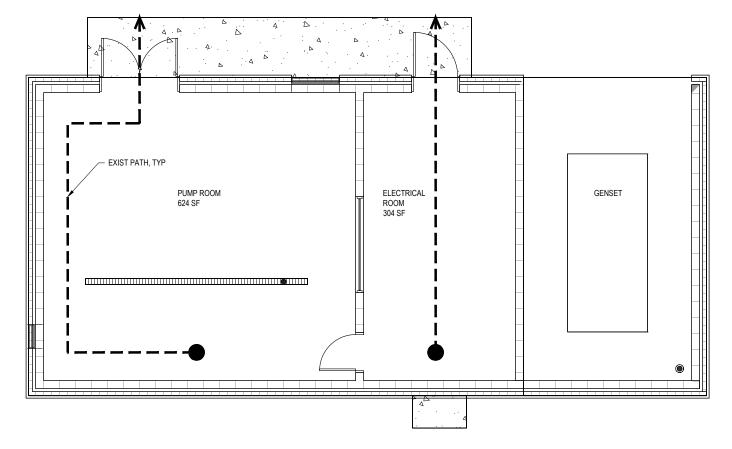
Section I - Governing Codes	
2019 OFC, OESC, OPSC, OSSC	
2019 OMSC, OEESC (ASHRAE 90.1-2019)	
Section II - Building "Construction" Data	
Type of Construction	Type VB - CMU, Metal & Wood
Maximum Building Height	15 feet 10 inches
Maximum Allowable Height	35 feet
Number of Stories	1 story
Allowable Number of Stories	2 story
Basement Total Floor Area Provided	No Pump Station=598 square feet
Total Floor Area Frovided	Pump Room = 467 square feet
	Electrical Room = 131 square feet
Minimum Required Property Setbacks*	· ·
Front (West)	15 feet
Side (North)	5 feet
Back (East)	15 feet
Side (South)	5 feet
*Clackamas County	
Section III - Building "Occupancy" Data	
Building Openson Classification County	1
Building Occupancy Classification Group by Floor	U
Occupancy Classification Group by Floor	U
Occupancy Classification Group by Room Pump Roo	U
Electrical Roo	
Accessory or Incidental Use Areas	N/A
Total Occupant Load by Floor	1
Total Occupant Load by Floor Total Occupant Load for Each Room	1 1
Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable"	1 N/A
	1
Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable" Section IV - Building Area Data "Actual" and "Allowable"	1 N/A Pump Station = 598 square feet
Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable" Section IV - Building Area Data "Actual" and "Allowable" Allowable Base Area (OSSC Table 503) Building Frontage	1 N/A Pump Station = 598 square feet 8,500 square feet (Type VB, Group U)
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Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable" Section IV - Building Area Data "Actual" and "Allowable" Allowable Base Area (OSSC Table 503) Building Frontage Section V - "Fire Resistive" Building Elements Separation of Occupancies Section VI - Building "Exiting" Maximum Floor Area Allowance Per Occupant Exits Required in Each Room or Area	1 N/A Pump Station = 598 square feet 8,500 square feet (Type VB, Group U) See Sheet PS-A-2, Non-Sprinklered 0 hours (U, Non-Sprinklered) N/A - Not Customarily Occupied
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Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable" Section IV - Building Area Data "Actual" and "Allowable" Allowable Base Area (OSSC Table 503) Building Frontage Section V - "Fire Resistive" Building Elements Separation of Occupancies Section VI - Building "Exiting" Maximum Floor Area Allowance Per Occupant Exits Required in Each Room or Area Exits Provided in Each Room or Area Exits Required per Floor Exits Provided per Floor	1 N/A Pump Station = 598 square feet 8,500 square feet (Type VB, Group U) See Sheet PS-A-2, Non-Sprinklered 0 hours (U, Non-Sprinklered) N/A - Not Customarily Occupied 1 1 1
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Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable" Section IV - Building Area Data "Actual" and "Allowable" Allowable Base Area (OSSC Table 503) Building Frontage Section V - "Fire Resistive" Building Elements Separation of Occupancies Section VI - Building "Exiting" Maximum Floor Area Allowance Per Occupant Exits Required in Each Room or Area Exits Provided in Each Room or Area Exits Required per Floor Exits Provided per Floor Exit Width Required per Exit Minimum Corridor Exit Width Required	1 N/A Pump Station = 598 square feet 8,500 square feet (Type VB, Group U) See Sheet PS-A-2, Non-Sprinklered 0 hours (U, Non-Sprinklered) N/A - Not Customarily Occupied 1 1 1 1 32 inches 30 inches
Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable" Section IV - Building Area Data "Actual" and "Allowable" Allowable Base Area (OSSC Table 503) Building Frontage Section V - "Fire Resistive" Building Elements Separation of Occupancies Section VI - Building "Exiting" Maximum Floor Area Allowance Per Occupant Exits Required in Each Room or Area Exits Provided in Each Room or Area Exits Provided per Floor Exits Provided per Floor Exit Width Required per Exit Minimum Corridor Exit Width Required Emergency Exit Illumination	1 N/A
Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable" Section IV - Building Area Data "Actual" and "Allowable" Allowable Base Area (OSSC Table 503) Building Frontage Section V - "Fire Resistive" Building Elements Separation of Occupancies Section VI - Building "Exiting" Maximum Floor Area Allowance Per Occupant Exits Required in Each Room or Area Exits Provided in Each Room or Area Exits Provided per Floor Exits Provided per Floor Exit Width Required per Exit Minimum Corridor Exit Width Required Emergency Exit Illumination	1 N/A
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Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable" Section IV - Building Area Data "Actual" and "Allowable" Allowable Base Area (OSSC Table 503) Building Frontage Section V - "Fire Resistive" Building Elements Separation of Occupancies Section VI - Building "Exiting" Maximum Floor Area Allowance Per Occupant Exits Required in Each Room or Area Exits Provided in Each Room or Area Exits Provided per Floor Exit Width Required per Exit Minimum Corridor Exit Width Required Emergency Exit Illumination Exit Sign Layout Plan Section VII - Building "Fire Detection and Suppression" Smoke Detection/Fire Alarm System Req'd Smoke Detection/Fire Alarm System Provided	Pump Station = 598 square feet 8,500 square feet (Type VB, Group U) See Sheet PS-A-2, Non-Sprinklered 0 hours (U, Non-Sprinklered) N/A - Not Customarily Occupied 1 1 1 1 2 inches 30 inches See Sheets PS-E-3 See Sheets PS-E-3
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Total Occupant Load for Each Room Total Occupant Load for Each Occupancy Group Section IV - Building Area Data "Actual" and "Allowable" Section IV - Building Area Data "Actual" and "Allowable" Allowable Base Area (OSSC Table 503) Building Frontage Section V - "Fire Resistive" Building Elements Separation of Occupancies Section VI - Building "Exiting" Maximum Floor Area Allowance Per Occupant Exits Required in Each Room or Area Exits Provided in Each Room or Area Exits Provided per Floor Exits Required per Floor Exit Width Required per Exit Minimum Corridor Exit Width Required Emergency Exit Illumination Exit Sign Layout Plan Section VII - Building "Fire Detection and Suppression" Smoke Detection/Fire Alarm System Req'd Smoke Detected Sprinkler System Req'd Sprinkler System Req'd	1 N/A
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Nick and all for a constant and all about a large	
Not required for pump room or electrical room	ım
Section IX - Energy Code Requirements	
Building is enclosed space, U occupancies.	
Building Unit Insulation Values (Prescriptive	Building Envelope Compliance Path: ASHRAE 90.1-2019)
Skylights	U-0.50 (Max)
Doors: Swinging, opaque	U-0.37 (Max)
Roof: Attic and other	R-49 Batt (Min)
Walls: Above ground-CMU	R-9.5ci (Min)
Floors: Mass (exposed to exterior)	R-14.6ci (Min)
Slab-on-Grade Floors: Unheated slab	R-15 for 24 inches
Lighting Layout	See Sheet E-C6
Envelope Compliance Certified via COMcheck	<
Section X - Hazardous Materials	
Hazardous Materials Present	No
Exterior Route of Travel - See Sheets PS-A-1	
Exterior Route of Travel - See Sheets PS-A-1 Facility is for equipment access only and doe	es not require accessibility
Exterior Route of Travel - See Sheets PS-A-1 Facility is for equipment access only and doe Section XII - Plumbing Fixture Count Re	es not require accessibility
Exterior Route of Travel - See Sheets PS-A-1 Facility is for equipment access only and doe Section XII - Plumbing Fixture Count Re	es not require accessibility
Exterior Route of Travel - See Sheets PS-A-1 Facility is for equipment access only and doe Section XII - Plumbing Fixture Count Re Not Applicable - this remotely monitored stal	es not require accessibility equirements tion is "not customarily occupied"
Exterior Route of Travel - See Sheets PS-A-1 Facility is for equipment access only and doe Section XII - Plumbing Fixture Count Re Not Applicable - this remotely monitored stal Section XIII - Underground and Pad mo	es not require accessibility equirements tion is "not customarily occupied"
Exterior Route of Travel - See Sheets PS-A-1 Facility is for equipment access only and doe Section XII - Plumbing Fixture Count Re Not Applicable - this remotely monitored stat Section XIII - Underground and Pad mo See Sheets E-C1 Section XIV - Special Inspection, Structure	es not require accessibility equirements tion is "not customarily occupied" nunted Transformers
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REVISED MATERIAL FINISH SCHEDULE							
ITEM	FINISH	COLOR	REMARKS				
EXTERIOR WALLS	CMU FACTORY COLOR, COATING SYSTEM 306	NATURAL	SPLIT FACE CMU				
ROOFING	FACTORY FINISH	TBD	METAL STANDING SEAM ROOFING SYSTEM				
MISCELANEOUS METALS INTERIOR/EXTERIOR	COATING SYSTEM 101	PER SECTION SECTION 10 14 10 - INDENTIFYING DEVICES	PIPING				
WOOD, ARCHITECTURAL FEATURES	COATING SYSTEM 303	TBD	MATCH FACTORY LOUVER COLOR				
LOUVERS	FACTORY FINISH	TBD	FACTORY COATING (GREENHECK COLOR MATCH)				
DOORS 1, 2, 3, & 4	COATING SYSTEM 101	TBD	FACTORY PRIME, MATCH FACTORY LOUVER COLOR				
INTERIOR PUMP ROOM WALLS	UNFINISHED	NATURAL	CMU BLOCK, SMOOTH FACE & GYP BOARD				
INTERIOR ELECTRICAL ROOM WALLS	UNFINISHED	NATURAL	CMU BLOCK, SMOOTH FACE & GYP BOARD				
CONCRETE FLOORS	COATING SYSTEM 306	NATURAL	SEE SCHEDULE OF FINISHES IN SECTION 03 30 00 AND COATING SCHEDULE IN 09 90 00				

	DOOR SCHEDULE								
				FRA	ME				
NO.	DOOR SIZE	OPEN	HARDWARE	HEAD	JAMB	REMARKS			
1	ACTIVE 3'-4"x7'-8" INACTIVE 3'-4"x7'-8" (6'-8"x8'-0" RO)	ACTIVE LEAF RHR	GROUP 2	4"	4"	EXTERIOR			
2	3'-8"x7'-8" (4'x8' RO)	RHR	GROUP 1	4"	2"	EXTERIOR			
3	3'-0"x7'-0" (3'-4"x7'-4" RO)	LHR	GROUP 3	4"	2"	INTERIOR, HALF GLASS DOOR LIGHT			

WINDOW SCHEDULE									
	SI	ZE							
NO.	LENGTH WIDTH		TYPE	MATERIAL	REMARKS				
1	96"	24"	TYPE 1	4"	ELECTRICAL ROOM LITE				



CODE PLAN
SCALE: 1/4" = 1'-0"

***** consor

90% SUBMITTAL

PRELIMINARY NOT FOR CONSTRUCTION



CITY OF TUALATIN SW 108TH AVE WATER RESERVOIR AND PUMP STATION

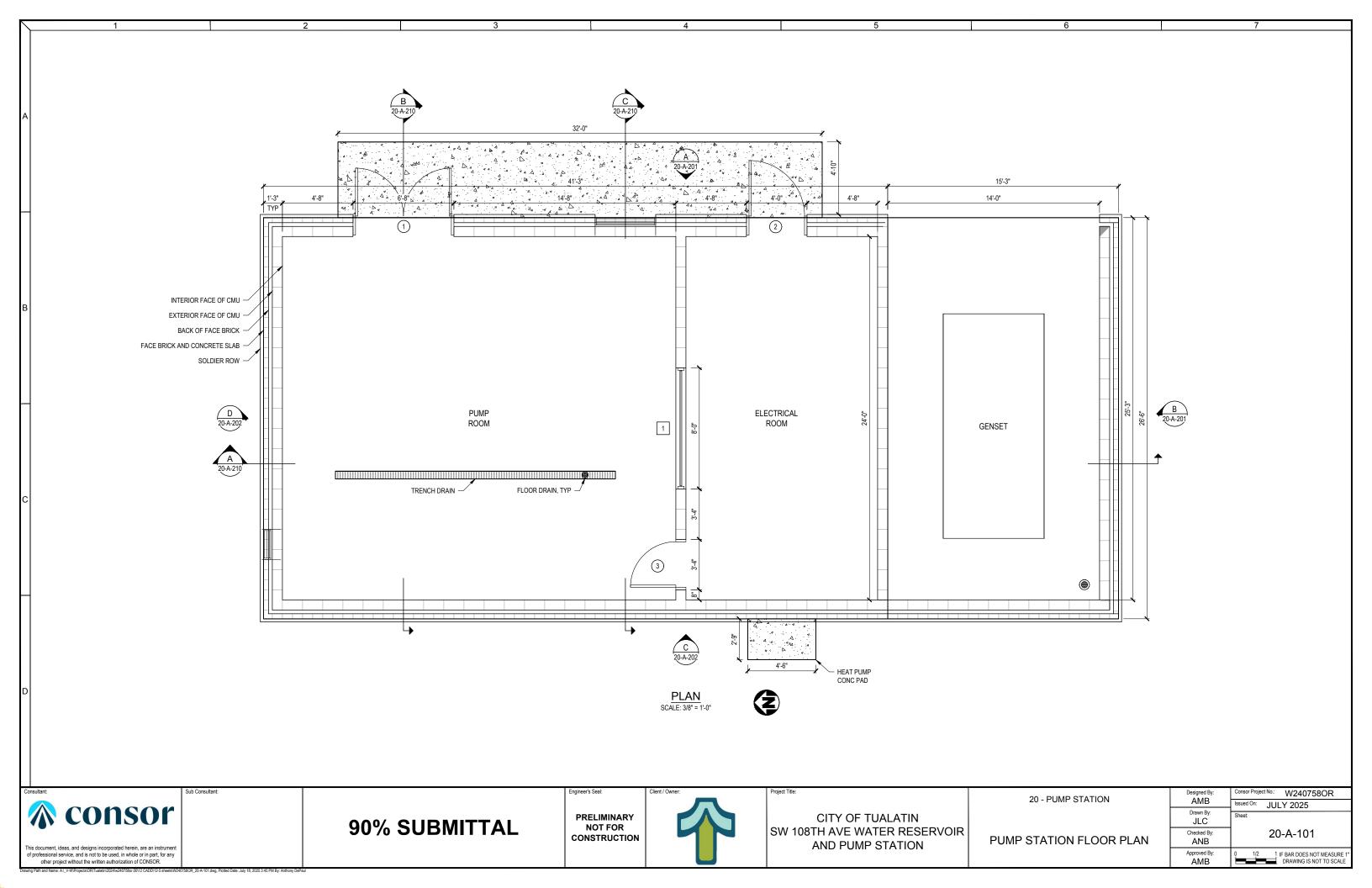
20 - PUMP STATION PUMP STATION CODE

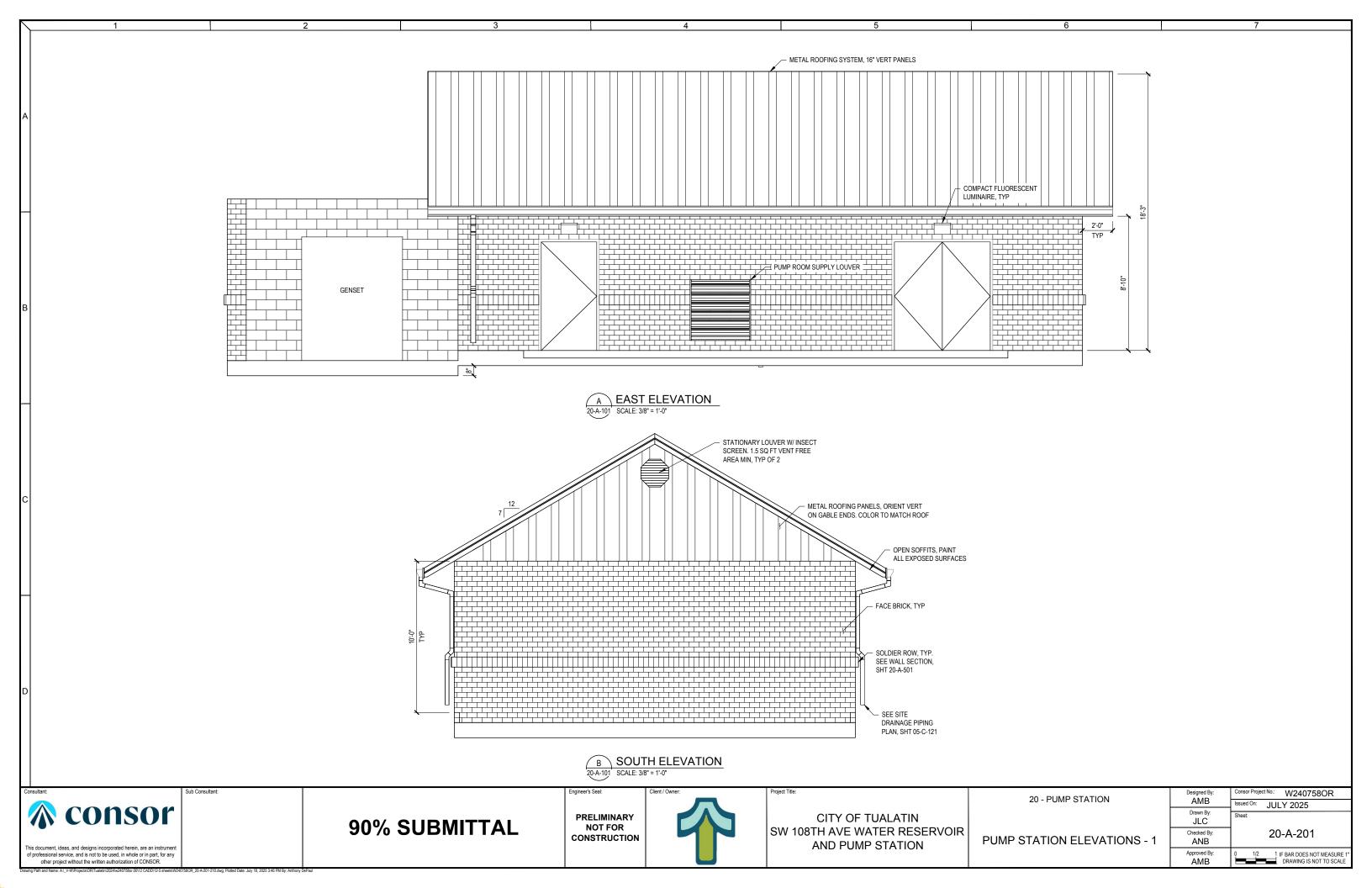
COMPLIANCE AND SCHEDULES

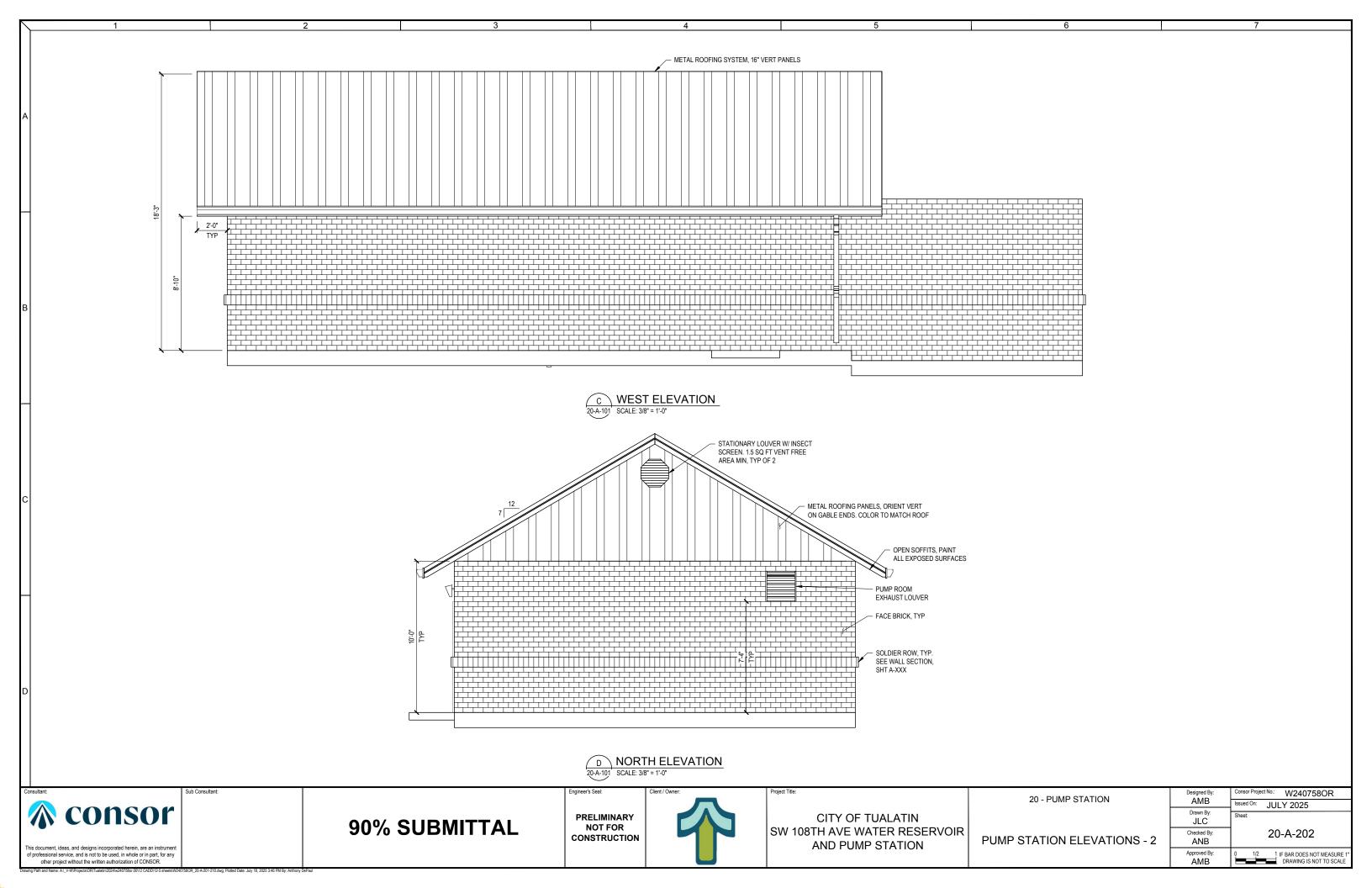
 Consor Project No.:
 W240758OR

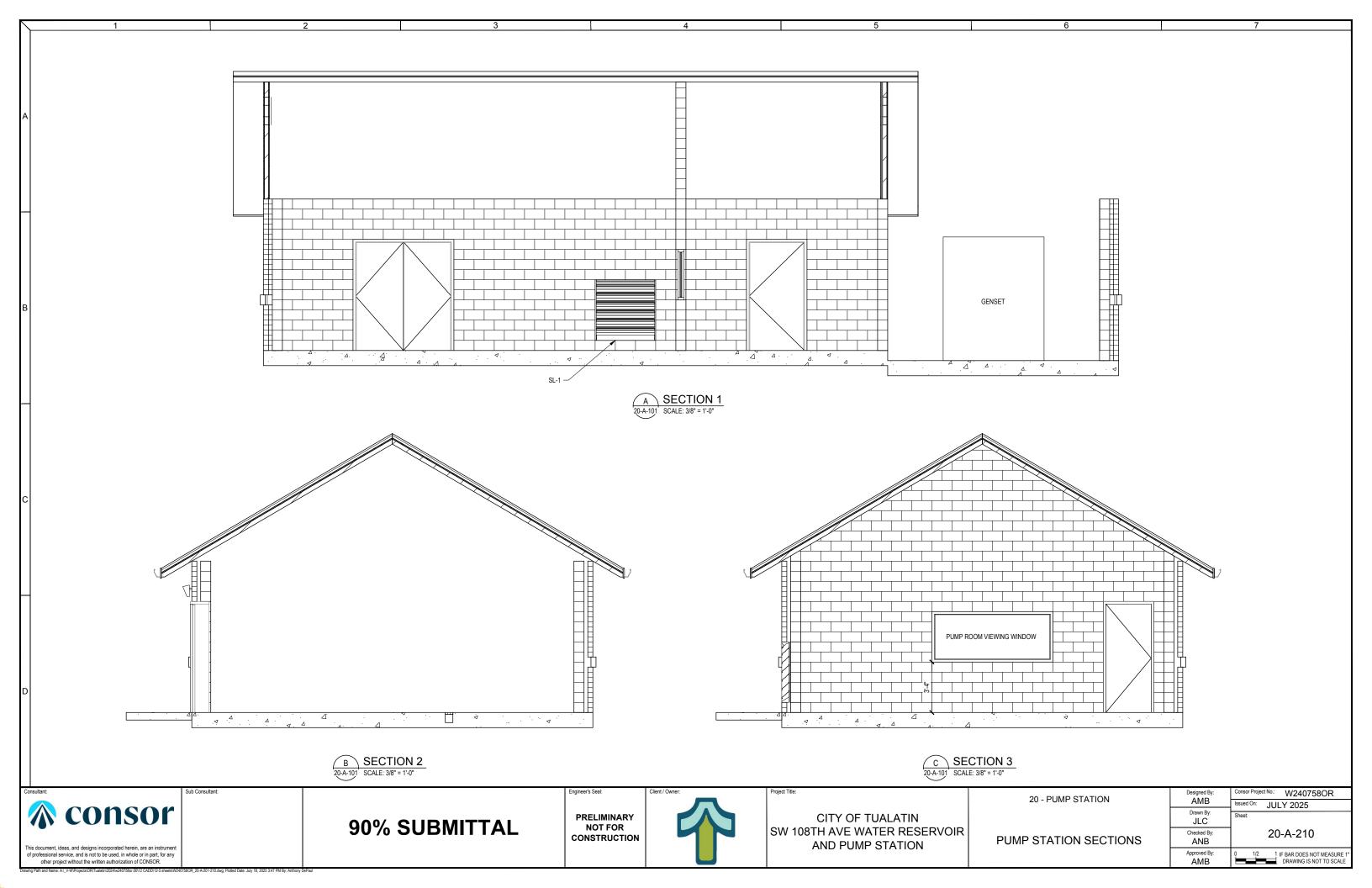
 Issued On:
 JULY 2025
 Designed By: AMB Drawn By: MBE Checked By: ANB 20-A-001 Approved By: 0 1/2 1 IF BAR DOES NOT MEASURE 1 DRAWING IS NOT TO SCALE

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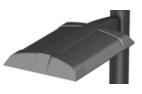








FOREST GREEN METAL STANDING SEAM ROOF, GUTTERS, AND DOWNSPOUTS TO MATCH EXISTING ASR BUILDING ROOFING



BLACK POWDER COATED LED LUMINAIRES ABOVE DOORS



FOREST GREEN LOUVERS



H.D. MUDDUX
MONTERAY BAY
FLASH, BRICK,
WITH CAROB, WIRE
CUT SOLDIER
COURSE BRICK



FOREST GREEN
EXTERIOR DOORS AND
TRIM



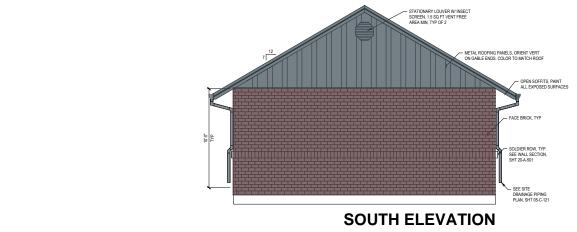
NATURAL GRAY SMOOTH FACE CMU ON INTERIOR OF GENERATOR ENCLOSURE



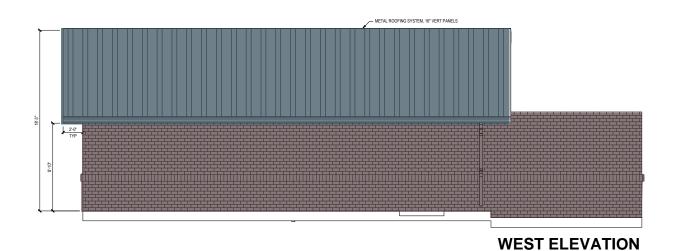
NEW PUMPSTATION TO MATCH ARCHITECTURAL MATERIALS AND COLORS OF EXISTING ASR BUILDING ON SITE.

EXISTING ASR BUILDING

PRELIMINARY MATERIALS BOARD







NEW SW 10TH AVE PUMP STATION



