Exhibit A.32

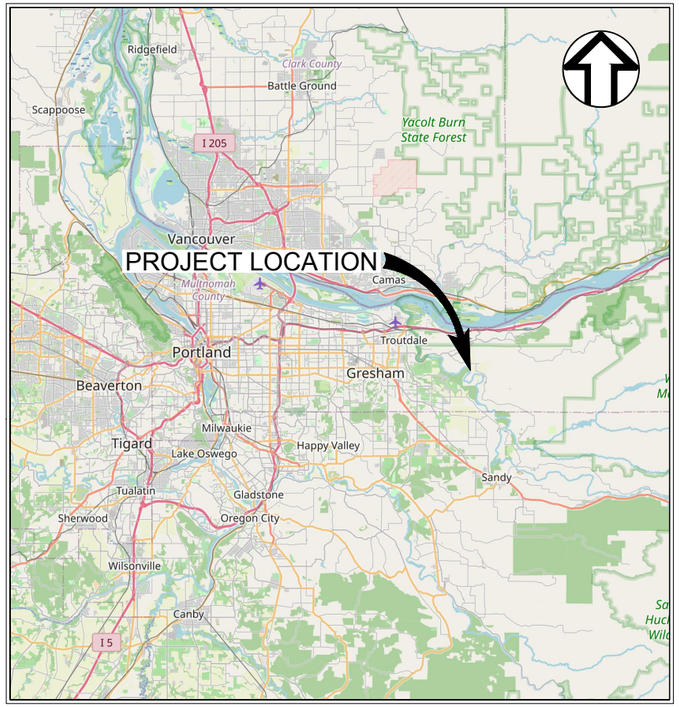
METRO

ATTACHMENT 1

OXBOW PARK WELCOME CENTER WATER SYSTEM

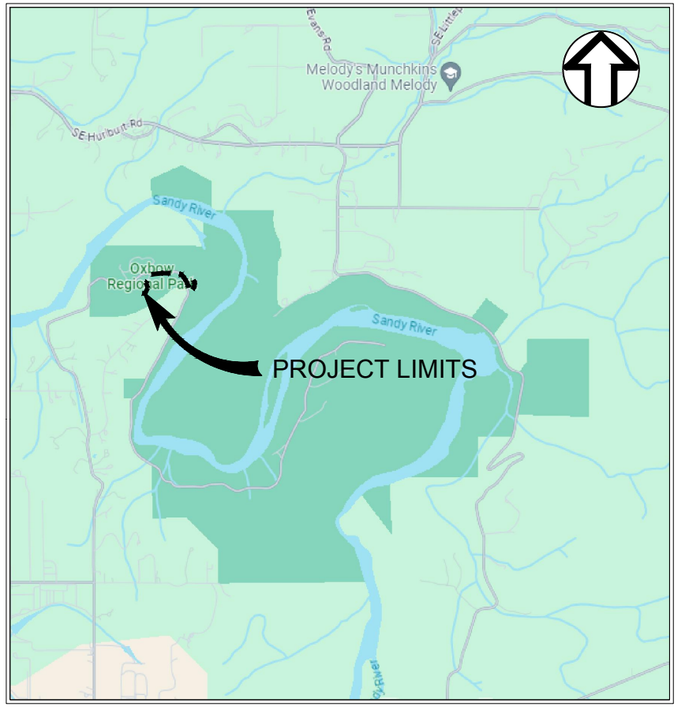
NOVEMBER 2023

PRELIMINARY



LOCATION MAP

NOT TO SCALE



PROJECT SITE MAP

NOT TO SCALE

wallis engineering

Civil Engineer: Wallis Engineering
215 W. 4th Ave., Suite 200
Vancouver, Washington 98660
Contact: Jane Vail, P.E.
(360) 852-9158
jane.vail@walliseng.net

Metro

Owner: Metro
600 NE Grand Ave.
Portland, Oregon 97232-2736
Contact: Ben Hedstrom, Senior Regional Planner
(503) 382-7635
Ben.Hedstrom@oregonmetro.gov

PRELIMINARY

NO.	REVISION	BY	DATE

DESIGNED BY: AP
DRAWN BY: AP/TS
REV: XX

ONE INCH
0 1"
ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST
SCALE ACCORDINGLY

COVER

wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:

G1

P:\15\1544C Oxbow Welcome Center Water System\500 DWG\501 Plan Sheets\1544C-Cover.dwg, 11/3/2023 3:23:13 PM, Tomalynn Silva

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PLANS, CONTRACT DOCUMENTS, AND DETAILS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROCURE ALL PERMITS, LICENSES, AND CERTIFICATES APPLICABLE TO TRADES REQUIRED TO COMPLETE THE PROJECT AND FOR THE USE OF SUCH WORK WHEN COMPLETED. COMPLIANCE SHALL BE AT ALL JURISDICTIONAL LEVELS, INCLUDING FEDERAL, STATE, COUNTY, AND LOCAL AS RELATED TO THE PERFORMANCE OF THIS WORK.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS, SLOPES, AND LENGTHS PRIOR TO CONSTRUCTION. EXISTING UNDERGROUND UTILITY LOCATIONS ARE COMPILED FROM THE BEST AVAILABLE RECORDS. THE ENGINEER AND UTILITY OWNERS DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. ADDITIONAL UTILITIES MAY EXIST WITHIN THE WORK AREA. DEPTHS ARE APPROXIMATE AND MAY VARY FROM THOSE INDICATED ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES. NO DELAYS WILL BE ALLOWED DUE TO NEGLIGENCE OF COORDINATION WITH UTILITY OWNERS. THE CONTRACTOR SHALL POTHOLE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND SHALL COORDINATE WITH UTILITY OWNERS TO RELOCATE FACILITIES AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER AS SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. COPIES OF THE RULES MAY BE OBTAINED BY CALLING THE CENTER (ONE CALL UTILITY LOCATE NUMBER 503-246-6699). ALL EXCAVATION MUST COMPLY WITH ALL PROVISIONS OF ORS 757.541 THROUGH 757.751, INCLUDING REQUIRED NOTIFICATION OF ALL UNDERGROUND FACILITY OWNERS AT LEAST 48 BUSINESS HOURS BUT NOT MORE THAN 10 BUSINESS DAYS BEFORE COMMENCING ANY EXCAVATION.
5. THE CONTRACTOR SHALL MAKE PROVISIONS TO KEEP SPECIFIED EXISTING UTILITIES IN SERVICE AND TO PROTECT ALL UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED UTILITIES USING MATERIALS AND METHODS APPROVED BY THE UTILITY OWNER. NO SERVICE INTERRUPTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN PERMISSION FROM THE UTILITY PROVIDER.
6. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH METRO PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TWO WEEKS NOTICE TO SCHEDULE A PRECONSTRUCTION MEETING.
7. THE CONTRACTOR SHALL NOTIFY METRO 48 HOURS IN ADVANCE OF STARTING CONSTRUCTION AND 24 HOURS BEFORE RESUMING WORK AFTER SHUTDOWNS EXCEPT FOR NORMAL RESUMPTION OF WORK FOLLOWING SATURDAYS, SUNDAYS, OR HOLIDAYS.
8. HOURS OF CONSTRUCTION AND DAYS WHERE CONSTRUCTION IS PROHIBITED SHALL BE AS SET FORTH IN THE SPECIFICATIONS.
9. THE CONTRACTOR SHALL SWEEP ALL PAVED SURFACES AFFECTED BY CONSTRUCTION ACTIVITIES AT THE END OF EVERY WORK DAY AND PERIODICALLY THROUGHOUT EACH DAY SUCH THAT VEHICLES ACCESSING THE SITE AND PERMANENT PAVEMENT ARE NOT AFFECTED.
10. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE SET OF CURRENT, APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN A MANNER ACCEPTABLE TO THE OWNER AND IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, INCLUDING INCIDENTAL WORK AS MAY BE NECESSARY TO MEET THE INTENT OF THE PROJECT CONTRACT DOCUMENTS, PLANS, AND APPLICABLE AGENCY REQUIREMENTS.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PERFORM ALL NECESSARY FIELD MEASUREMENT, INCLUDING BUT NOT LIMITED TO MEASUREMENTS REQUIRED TO VERIFY DIMENSIONS AND EXISTING CONSTRUCTION CONDITIONS INDICATED AND/OR SHOWN ON THE PLANS. SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED UNTIL REPORTED TO THE PROJECT ENGINEER FOR CLARIFICATION AND/OR CORRECTION.
13. ANY INSPECTION BY THE CITY, COUNTY, STATE, FEDERAL AGENCY OR PROJECT ENGINEER SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, PROJECT CONTRACT DOCUMENTS, AND CITY, COUNTY, AND STATE STANDARDS.
14. THE CONTRACTOR SHALL TAKE NO ADVANTAGE OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES IN THE PLANS. WHEN ERRORS, OMISSIONS, OR DISCREPANCIES ARE FOUND, THE ENGINEER AND METRO SHALL BE NOTIFIED IMMEDIATELY UPON DISCOVERY. WORK PERFORMED BY THE CONTRACTOR AS A RESULT OF AN ERROR, OMISSION, OR DISCREPANCY IN THE PLANS SHALL BE AT CONTRACTOR'S RISK AND EXPENSE WHERE SUCH ERROR, OMISSION, OR DISCREPANCY HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ENGINEER AND METRO.

WATER CONSTRUCTION NOTES

1. THE EXISTING ON-SITE WATER DISTRIBUTION MAIN WILL BE OUT OF SERVICE BOTH DURING AND AFTER CONSTRUCTION AND WILL BE ABANDONED AFTER COMPLETION OF THE NEW WATER SYSTEM.
2. THE CONTRACTOR SHALL REMOVE OR ABANDON ANY SECTIONS OF EXISTING WATER LINES AS INDICATED IN THE PLANS ACCORDING TO THE PROCEDURES AND PROTOCOLS SET FORTH IN THE PLANS, SPECIFICATIONS, AND PERMITS.
3. A PLUMBING PERMIT WILL BE REQUIRED FOR ALL WATER SERVICE WORK. PER THIS PERMIT, A LICENSED PLUMBER IS REQUIRED TO INSTALL SERVICE CONNECTIONS TO BUILDINGS.
4. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS AND WATER MAIN CONNECTION LOCATIONS A MINIMUM OF 400 FEET AHEAD OF WATER LINE CONSTRUCTION. REPORT ALL CONFLICTS TO THE ENGINEER IMMEDIATELY AND ALLOW TWO (2) WORKING DAYS TO RESOLVE CONFLICTS.
5. UPON COMPLETION OF INSTALLATION OF THE WATER SYSTEM AND COMPLETION OF PRESSURE TESTING, ALL LINES SHALL BE FLUSHED AND DISINFECTED IN CONFORMANCE WITH OREGON HEALTH DIVISION GUIDELINES AND THE REQUIREMENTS OF THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY.
6. THE CONTRACTOR SHALL PROTECT OPEN ENDS OF THE WATER PIPE UNDER CONSTRUCTION FROM CONTAMINATED WATER AND DEBRIS AT ALL TIMES. CONTRACTOR SHALL CAP AND/OR COVER OPEN PIPE ENDS AT THE END OF EACH WORK DAY.
7. THE CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL SEPARATION OF 18 INCHES FROM SANITARY SEWERS IN ACCORDANCE WITH OAR 333-061. IF THIS SEPARATION CANNOT BE MAINTAINED, THE EXISTING SANITARY SEWER SHALL BE EXPOSED AND INSPECTED BETWEEN THE ADJACENT JOINTS ON EACH SIDE OF THE WATER MAIN AND REPLACED IF LEAKS ARE PRESENT. THE CONTRACTOR SHALL ALSO MAINTAIN A MINIMUM OF 12" OF VERTICAL SEPARATION FROM STORM SEWERS AND 6" MINIMUM VERTICAL SEPARATION FROM ALL REMAINING EXISTING UTILITIES UNLESS OTHERWISE SPECIFIED. NOTIFY ENGINEER IMMEDIATELY IF MINIMUM SEPARATION CANNOT BE MAINTAINED.

TREE PROTECTION NOTES

1. PROTECT ALL EXISTING TREES, SHRUBS, LANDSCAPING, AND ASSOCIATED ROOT SYSTEMS TO THE GREATEST PRACTICAL EXTENT. SEE SPECIFICATIONS FOR ADDITIONAL ROOT PRUNING REQUIREMENTS.
2. COORDINATE WITH METRO'S ARBORIST A MINIMUM OF ONE WEEK IN ADVANCE OF ANY REQUESTED OVERHEAD BRANCH TRIMMING.
3. DEVIATIONS FROM ALIGNMENTS AND INSTALLATION DEPTHS SHOWN WHICH MAY INCREASE IMPACTS TO EXISTING TREES SHALL BE PROPOSED IN WRITING BY THE CONTRACTOR AT LEAST TWO WEEKS PRIOR TO IMPLEMENTATION, WITH SUCH DEVIATIONS SUBJECT TO REVIEW AND ACCEPTANCE BY AN ISA CERTIFIED ARBORIST AND THE ENGINEER.
4. TREE ROOTS LARGER THAN 2 INCHES IN DIAMETER SHALL BE TRIMMED IN THE PRESENCE OF METRO'S ARBORIST. TRIM TREE ROOTS WITH A PRUNING SAW TO ENSURE A CLEAN CUT; DO NOT PULL OR TEAR AT ROOT SYSTEMS WITH EXCAVATOR OR OTHER EQUIPMENT.

PAVING NOTES

1. THE CONTRACTOR SHALL ADJUST ALL VALVES BOXES AND VAULTS TO FINISHED GRADE.
2. THE CONTRACTOR SHALL SAWCUT STRAIGHT MATCHLINES TO CREATE A CLEAN BUTT JOINT BETWEEN EXISTING AND NEW PAVEMENT. ALL NEW PAVEMENT JOINTS SHALL BE SEALED WITH RUBBERIZED SEALANT.
3. AGGREGATE BASE AND ASPHALT CONCRETE PAVEMENT SHALL BE COMPACTED PER THE CURRENT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S INDEPENDENT TESTING FIRM COMPACTION TESTING.
4. ALL EXCAVATIONS WITHIN PAVED ROADWAYS SHALL BE TEMPORARILY RESURFACED OR PLATED AT THE END OF EACH WORK DAY AND PRIOR TO ALLOWING VEHICULAR TRAFFIC ONTO EXCAVATED AREAS. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING, MAINTAINING, AND REMOVING TEMPORARY SURFACING PER THE SPECIFICATIONS.
5. SUBSEQUENT SETTLEMENT OR CRACKING OF FINISHED SURFACE WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED TO BE A FAILURE OF THE SUBGRADE AND REPAIRED AT NO COST TO METRO AND IN A MANNER ACCEPTABLE TO METRO.

HORIZONTAL DIRECTIONAL DRILLING NOTES

1. THE CONTRACTOR SHALL MAINTAIN A PHYSICAL COPY OF THE CURRENT, APPROVED HYDROFRACTURE CONTINGENCY PLAN ON SITE AT ALL TIMES DURING DRILLING OPERATIONS.
2. THE CONTRACTOR SHALL INSTALL AND CONTINUALLY MAINTAIN FENCING AROUND THE FULL PERIMETER OF DRILLING AREAS FOR THE DURATION OF DRILLING OPERATIONS.
3. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TREE PROTECTION FENCING PRIOR TO COMMENCING WORK AND SHALL PROTECT ALL EXISTING TREES FROM DAMAGE DURING WORK, MAINTAINING SEPARATION BETWEEN TREES AND PIPE DURING LAYDOWN, ASSEMBLY, AND PULLBACK.
4. ALL HDPE PIPE MANUFACTURER'S PUBLISHED RECOMMENDATIONS, INCLUDING BUT NOT LIMITED TO MINIMUM BENDING RADII, FUSION PRACTICES, AND HANDLING SHALL BE OBSERVED DURING PIPE LAYDOWN, ASSEMBLY, AND PULLBACK.
5. THE INTERIOR OF ALL BUTT FUSED HDPE PIPE JOINTS SHALL BE COMPLETELY DEBEADED.
6. ALL DRILLING FLUID MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO SECONDARY CONTAINMENT, SHALL BE IN PLACE AND CONFIRMED AS OPERATIONAL PRIOR TO DRILLING COMMENCEMENT.

SURVEY NOTES:

THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED UPON OREGON STATE PLANE NORTH ZONE (3601). THE VERTICAL DATUM FOR THIS SURVEY IS BASED UPON THE CITY OF PORTLAND BENCHMARK NO. 4283, ELEVATION=654.72, COP. DATUM.

TRIMBLE R10, R12, S5, S7, TSC 3 & TSC 7 ROBOTIC INSTRUMENTS WERE USED TO COMPLETE THIS SURVEY.

THE UNDERGROUND UTILITIES AS SHOWN ON THIS MAP HAVE BEEN LOCATED FROM FIELD SURVEY OF ABOVE GROUND STRUCTURES AND AS MARKED BY OTHERS. UTILITIES WERE LOCATED 4/18/22 THROUGH 5/09/22 BY APPLIED PROVESSIONAL SERVICES, INC. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY SURVEYOR.

EXISTING CONDITIONS MAP PREPARED BY SES 5/18/2022.
ADDITIONAL TOPO ADDED BY AT 11/29/2022.
ADDITIONAL TOPO ADDED BY SV 06/20/2023.

INDEX TO SHEETS

PRELIMINARY

NO.	REVISION	BY	DATE
XX	AP/TS	AP	

DESIGNED BY:
DRAWN BY:
REV:

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ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

GENERAL NOTES

wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
G2

LEGEND

EXISTING

- RIGHT OF WAY
- PROPERTY LINE
- EASEMENT
- ASPHALT
- CURB
- CONCRETE SIDEWALK
- GRAVEL
- BRICK
- FENCE
- STRIPING
- MAJOR CONTOUR
- MINOR CONTOUR
- BUILDING
- SANITARY SEWER, SIZE NOTED IF KNOWN
- STORM SEWER, SIZE NOTED IF KNOWN
- DITCH
- WATER, SIZE NOTED IF KNOWN
- OVERHEAD POWER
- UNDERGROUND POWER
- UNDERGROUND COMMUNICATIONS
- CATCH BASIN
- DOWNSPOUT
- SANITARY SEWER MANHOLE
- CLEANOUT
- WATER MANHOLE
- WATER VAULT
- WATER METER
- WATER VALVE
- IRRIGATION VALVE
- WATER SPIGOT
- WATER FOUNTAIN
- WATER PLAY STRUCTURE
- SINK
- ELECTRIC METER
- ELECTRICAL SWITCH
- TELEPHONE RISER
- COMMUNICATION JUNCTION BOX
- UTILITY VENT
- FUEL PUMP
- MANHOLE
- POLE MOUNTED LUMINAIRE
- LUMINAIRE
- GUY ANCHOR
- UTILITY POLE
- BOLLARD
- SIGN
- PILLAR
- PICNIC TABLES
- BBQ
- WHEEL STOP
- TRASH BIN
- FLAG POLE
- CHARCOAL BIN
- WETLAND
- BENCH MARK
- STUMP
- TREES
- HEDGE/BRUSH LINE

PROPOSED

- WATERLINE, SIZE NOTED
- IRRIGATION LINE, SIZE NOTED
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- REDUCER
- STRADDLE BLOCK
- THRUST BLOCK
- TEE
- BEND
- CAP
- AIR RELEASE VALVE
- WATER FOUNTAIN
- BOLLARD
- SAWCUT LIMITS
- ASPHALT RESTORATION
- SEEDING RESTORATION
- GRAVEL RESTORATION
- AC PATH RESTORATION

PRELIMINARY

NO.	REVISION	BY	DATE

DESIGNED BY: AP
DRAWN BY: AP/TS
REV: XX

ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY
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LEGEND

wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
G3

PLAN

EROSION CONTROL LEGEND

- LIMITS OF DISTURBED GRAVEL SURFACE
- LIMITS OF DISTURBED VEGETATED SURFACE
- LIMITS OF DISTURBED IMPERVIOUS SURFACE
- INSTALL STRAW WATTLE OR SILT FENCE

DISTURBED SURFACE AREAS

3,050 S.F.	DISTURBED GRAVEL SURFACE
1,200 S.F.	DISTURBED VEGETATED SURFACE
3,250 S.F.	DISTURBED IMPERVIOUS SURFACE (TO BE REPLACED)
7,500 S.F.	TOTAL DISTURBED SURFACE AREA WITHIN PROJECT LIMITS

PRELIMINARY

NO.	REVISION	BY	DATE
XX	AP/TS		

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REV:

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ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

EROSION CONTROL PLAN

wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

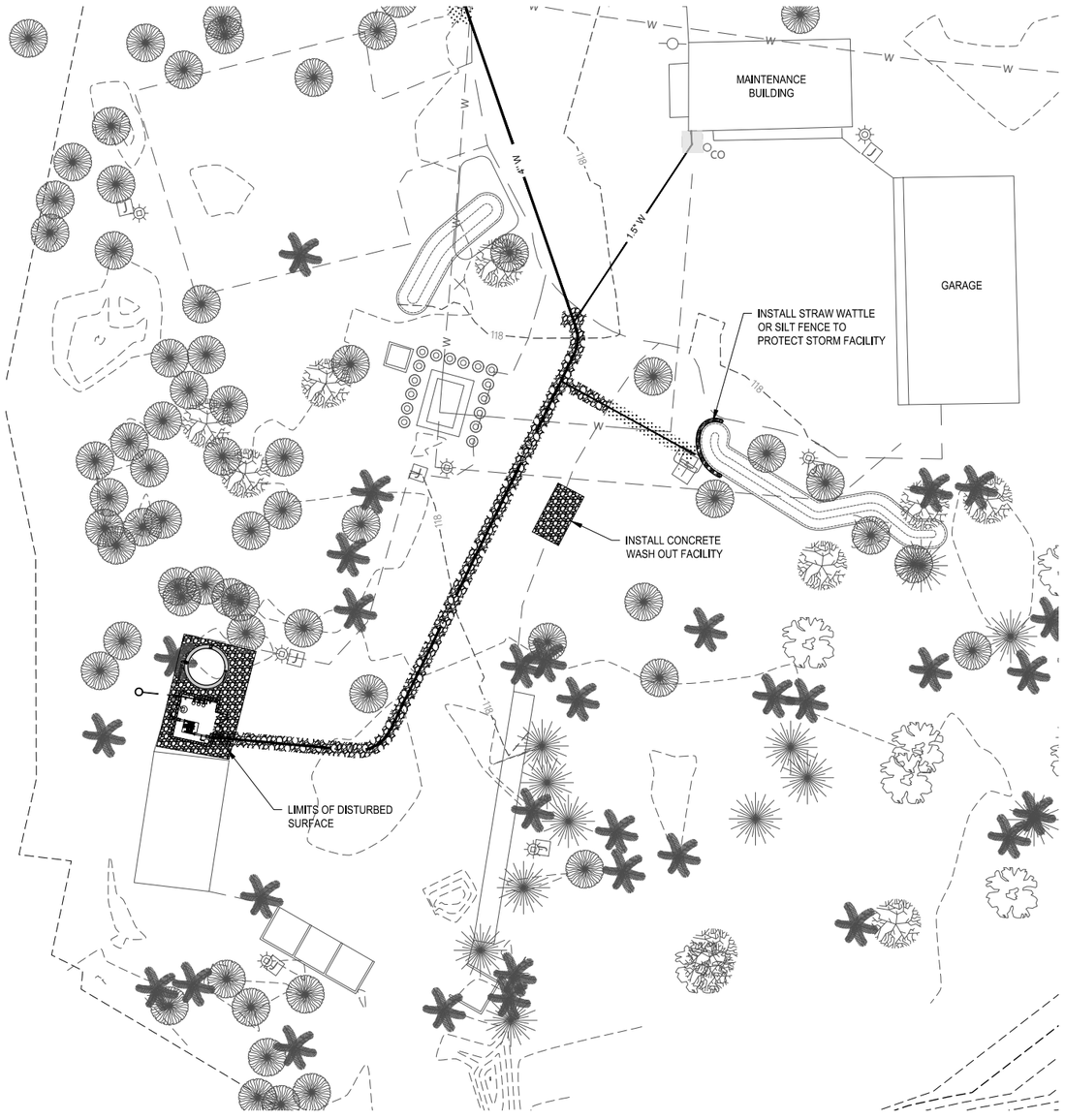
OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
G4

STANDARD EROSION AND SEDIMENTATION CONTROL NOTES:

1. UNDER NO CONDITION SHALL SEDIMENT BE WASHED INTO STORM OR DRAINAGE FACILITIES.
2. STORM AND DRAINAGE FACILITIES SHALL BE PROTECTED USING THE APPROVED BEST MANAGEMENT PRACTICE (BMP) AT ALL TIMES DURING CONSTRUCTION.
3. EFFECTIVE EROSION CONTROL. DUST CONTROL, AND DRAINAGE CONTROL IS REQUIRED AT ALL TIMES. THE COUNTY MAY ORDER STOPPAGE OF WORK TO EFFECT CORRECTIVE ACTION AT ANY TIME.
4. APPLY TEMPORARY AND PERMANENT SOIL STABILIZATION MEASURES ON ALL DISTURBED AREAS AS GRADING PROGRESSES.
5. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31.
6. DURING WET WEATHER PERIODS TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY IF RAINFALL IS FORECAST IN THE NEXT 24 HOURS.
7. ALL EROSION AND SEDIMENT CONTROLS NOT IN THE DIRECT PATH OF WORK MUST BE INSTALLED PRIOR TO ANY LAND DISTURBANCE.
8. PRESERVE EXISTING VEGETATION AND RE-VEGETATE OPEN AREAS WHEN PRACTICAL BEFORE AND AFTER GRADING OR CONSTRUCTION.
9. ALL TEMPORARY SEDIMENT CONTROLS MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.
10. SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION.
11. WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON-SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMP's; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.
12. TEMPORARY STABILIZATION OR COVERING OF SOIL STOCKPILES MUST OCCUR AT THE END OF EACH WORK DAY OR OTHER BMP's MUST BE IMPLEMENTED TO PREVENT TURBID DISCHARGES TO SURFACE WATERS.
13. DEVELOP AND MAINTAIN ONSITE A WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURE.
14. ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
15. THE PERMITEE MUST PROPERLY PREVENT AND MANAGE HAZARDOUS WASTE, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
16. SIGNIFICANT AMOUNTS OF SEDIMENT WHICH LEAVE THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A REOCCURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIME FRAME.
17. SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES. DRY SWEEPING MUST BE USED TO CLEAN UP RELEASED SEDIMENTS.
18. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW THE MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE TAKEN IN THE APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.
19. SEDIMENT MUST BE REMOVED FROM BEHIND SEDIMENT FENCE WHEN VEGETATION HAS REACHED THE HEIGHT OF THE FENCE ABOVE THE GROUND, AND BEFORE FENCE REMOVAL.
20. SEDIMENT MUST BE REMOVED FROM BEHIND BIO BAGS AND OTHER BARRIERS WHEN IT HAS REACHED A HEIGHT OF TWO (2) INCHES AND BEFORE BMP REMOVAL.
21. CLEANING OF TRAPPED CATCH BASINS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY (50) PERCENT, AND AT COMPLETION OF PROJECT.
22. REMOVAL OF TRAPPED SEDIMENT IN A SEDIMENT BASIN OR SEDIMENT TRAP MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY (50) PERCENT, AND AT COMPLETION OF PROJECT.
23. DEQ MUST APPROVE OF ANY TREATMENT SYSTEM AND OPERATIONAL PLAN THAT MAY BE NECESSARY TO TREAT CONTAMINATED CONSTRUCTION DEWATERING OR SEDIMENT AND TURBIDITY IN STORMWATER RUNOFF.
24. SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR THIRTY (30) DAYS OR MORE, THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD.
25. SHOULD CONSTRUCTION ACTIVITIES CEASE FOR FIFTEEN (15) DAYS OR MORE ON ANY SIGNIFICANT PORTION OF A CONSTRUCTION SITE, TEMPORARY STABILIZATION IS REQUIRED FOR THAT PORTION OF THE SITE WITH STRAW, COMPOST, OR OTHER COVERING THAT WILL PREVENT SOIL OR WIND EROSION UNTIL WORK RESUMES ON THAT PORTION OF THE SITE.



PLAN

PRELIMINARY

NO.	REVISION	BY	DATE
XX	AP/TS	AP	

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DRAWN BY:
REV:

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ONE INCH AT FULL SCALE. IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

EROSION CONTROL PLAN

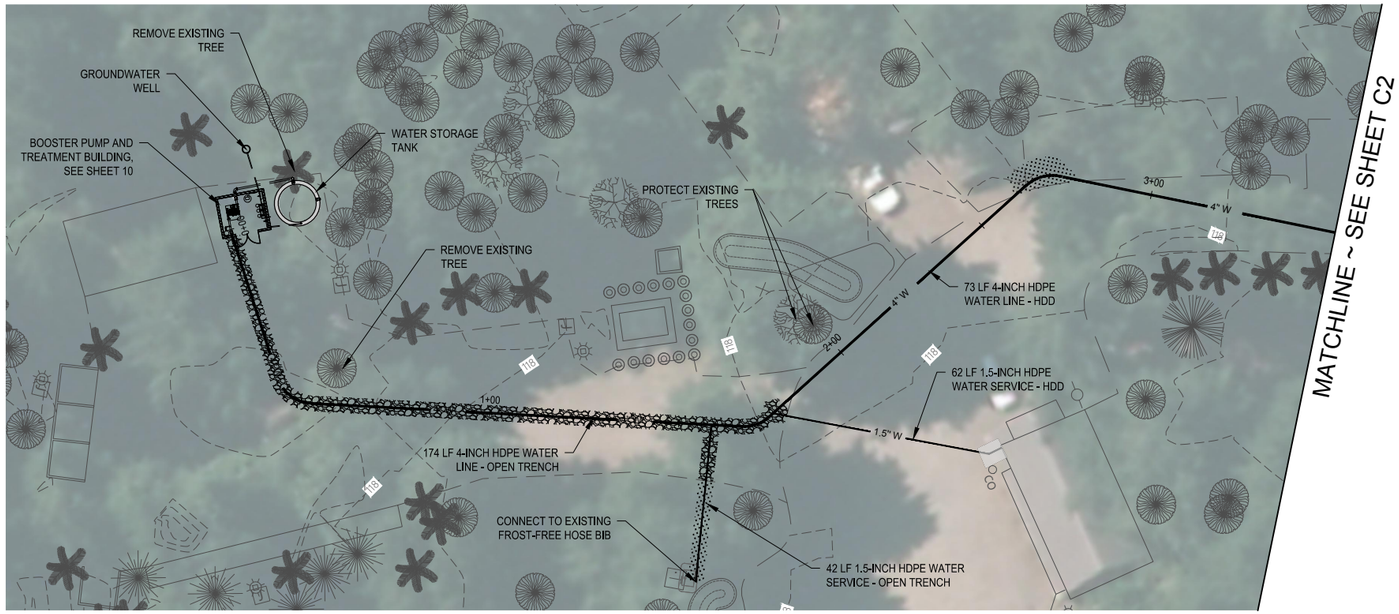
wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
G5
5 OF 12



PLAN

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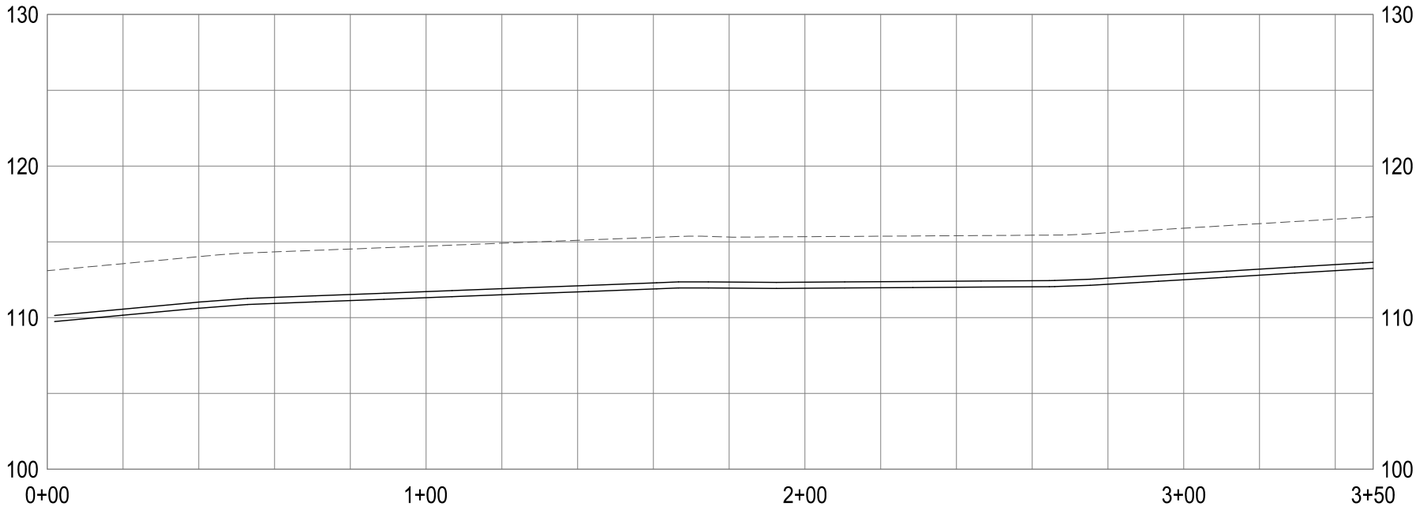
SCALE IN FEET



PROFILE
SCALE: 1" = 20' HORIZ
1" = 5' VERT

PRELIMINARY

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REV: XX

ONE INCH
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ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST
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PLAN & PROFILE BEGIN
TO STA 3+50

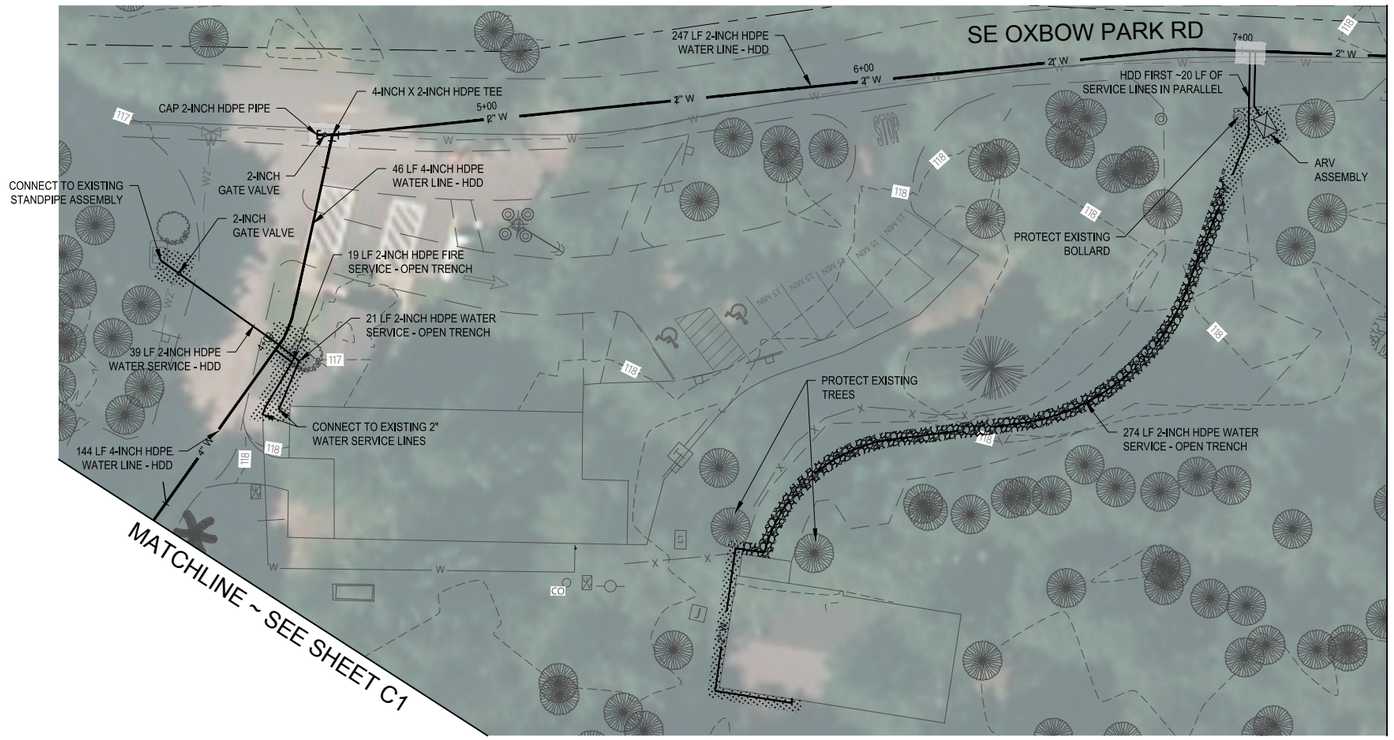
wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

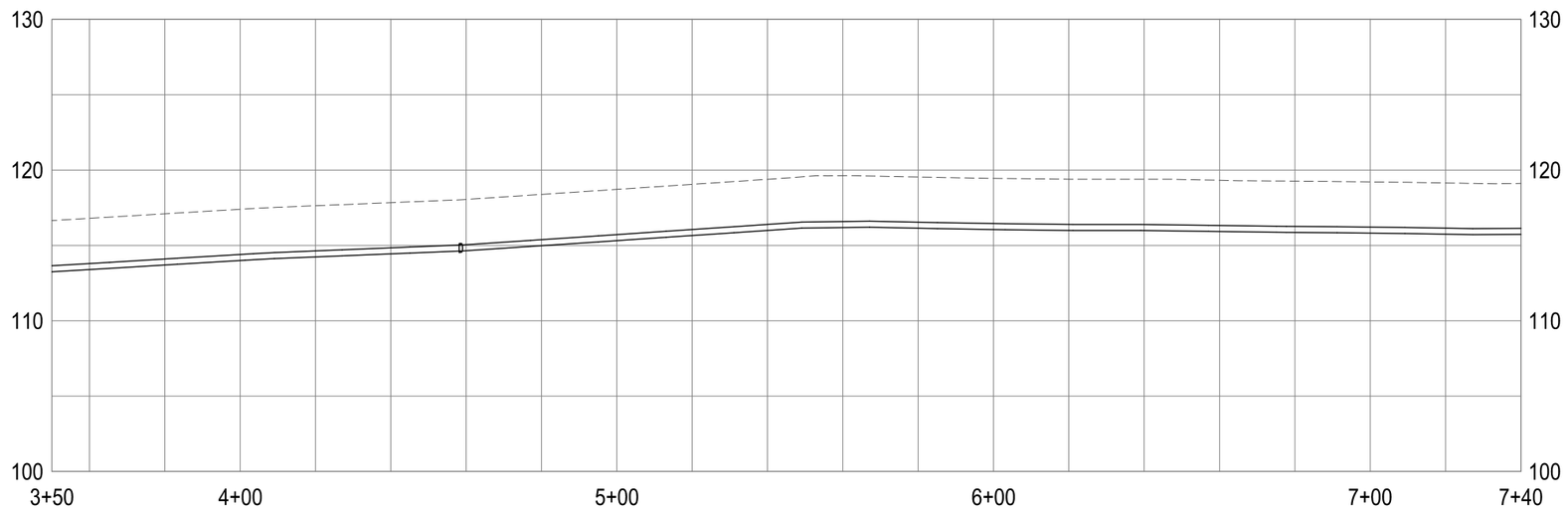
OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
C1
6 OF 12



PLAN



PROFILE
SCALE: 1" = 20' HORIZ
1" = 5' VERT

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SCALE IN FEET

PRELIMINARY

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PLAN & PROFILE STA
3+50 TO 7+00

wallis engineering

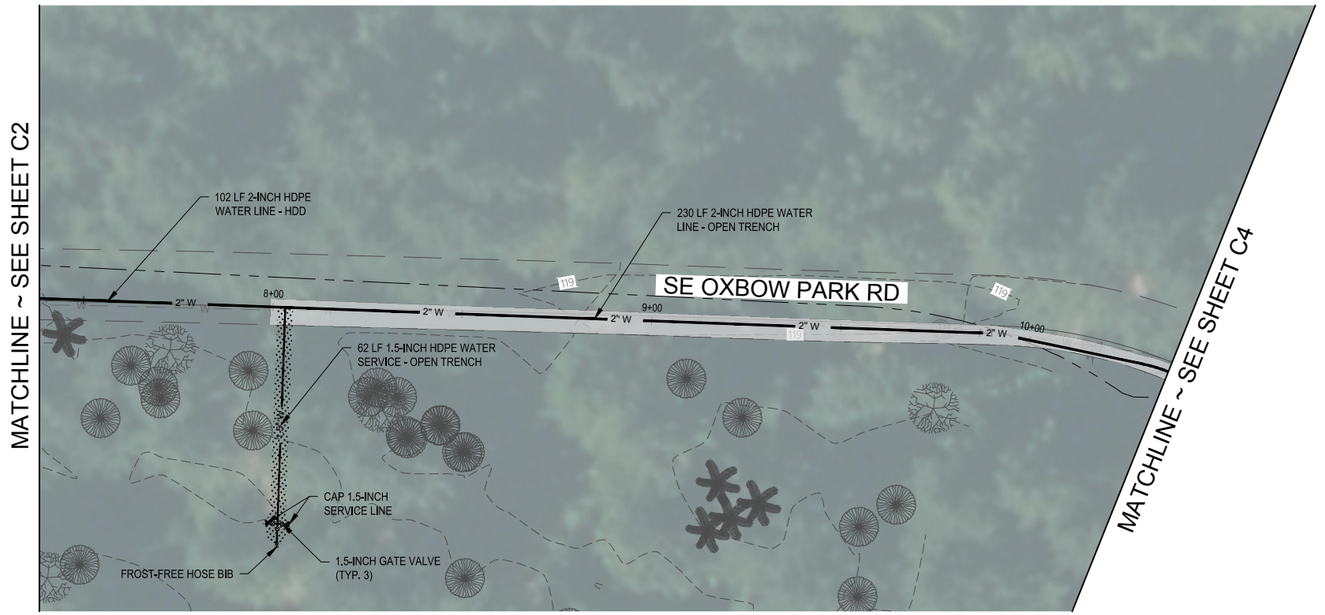
PROJECT NO: 1544C
DATE: 11/2023

OXBOW PARK
WELCOME CENTER
WATER SYSTEM

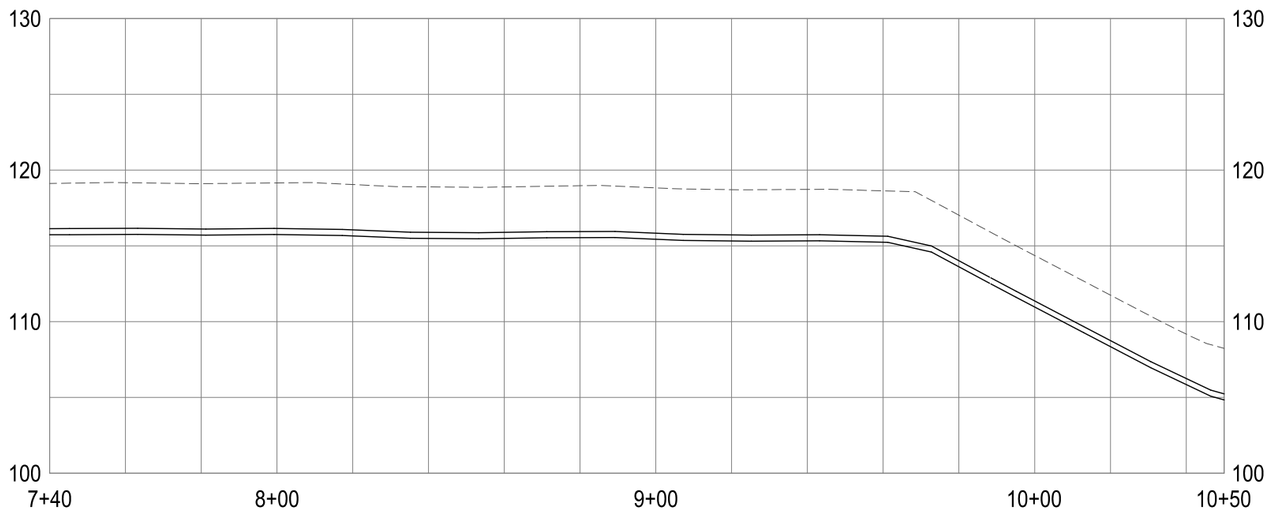
Metro

DRAWING NO:
C2

7 OF 12



PLAN



PROFILE
SCALE: 1" = 20' HORIZ
1" = 5' VERT

0 20 40
SCALE IN FEET

PRELIMINARY

NO.	REVISION	BY	DATE

DESIGNED BY: AP
DRAWN BY: AP/TS
REV: XX

ONE INCH
0 1"
ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST
SCALE ACCORDINGLY

PLAN & PROFILE STA 7+00 TO 10+50

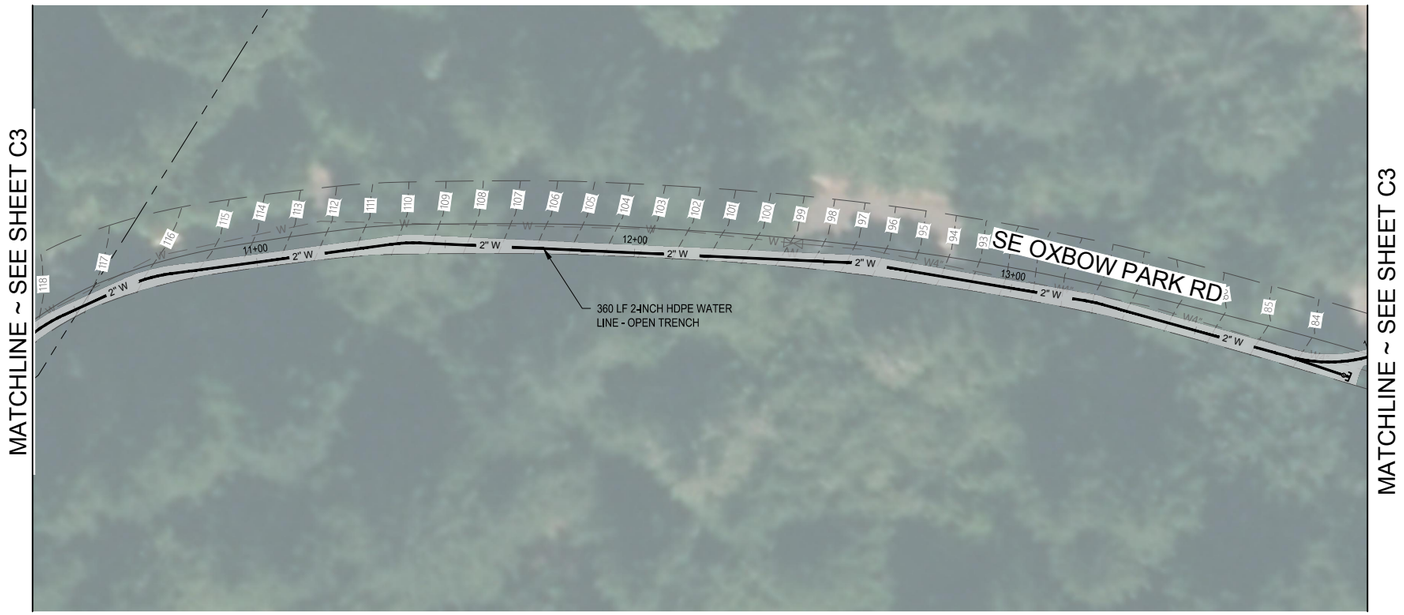
wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

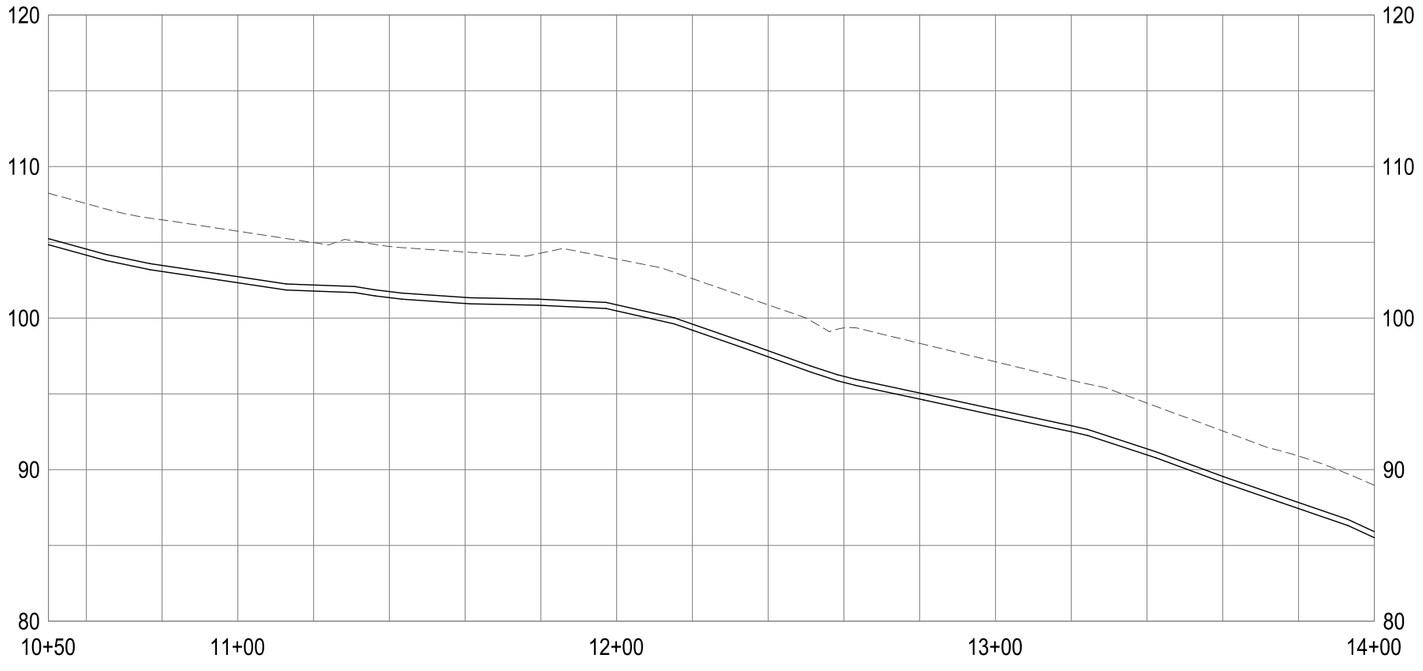
OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
C3



PLAN



PROFILE
SCALE: 1" = 20' HORIZ
1" = 5' VERT

0 20 40
SCALE IN FEET

PRELIMINARY

NO.	REVISION	BY	DATE

DESIGNED BY: AP
DRAWN BY: AP/TS
REV: XX

ONE INCH
0 1"
ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST
SCALE ACCORDINGLY

PLAN & PROFILE STA
10+50 TO 14+00

wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
C4

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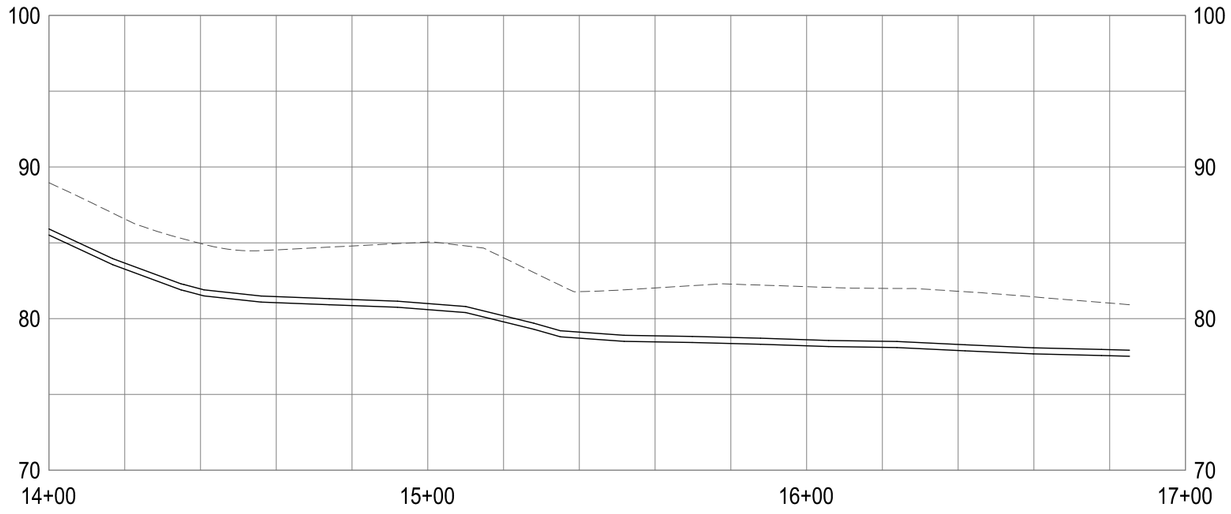
FOR CONTINUATION ~ SEE SHEET C4

PLAN



PROFILE
SCALE: 1" = 20' HORIZ
1" = 5' VERT

0 20 40
SCALE IN FEET

PRELIMINARY

NO.	REVISION	BY	DATE

DESIGNED BY: AP
DRAWN BY: AP/TS
REV: XX

ONE INCH
0 1"
ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST
SCALE ACCORDINGLY

PLAN & PROFILE STA
14+00 TO END

wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
C5

10 OF 12

P:\15\1544C Oxbow Welcome Center Water System\500 DWG\501 Plan Sheets\1544C-Plan & Profile Sheets.dwg, 11/3/2023 3:26:42 PM, Tomalynn Silva

PLAN

THE FLOODPLAIN IS A MINIMUM OF
2,849 FEET FROM THE PROJECT LIMITS

PRELIMINARY

NO.	REVISION	BY	DATE

ONE INCH
0 1"
ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST
SCALE ACCORDINGLY

DESIGNED BY: AP
DRAWN BY: AP/TS
REV: XX

SITE PLAN

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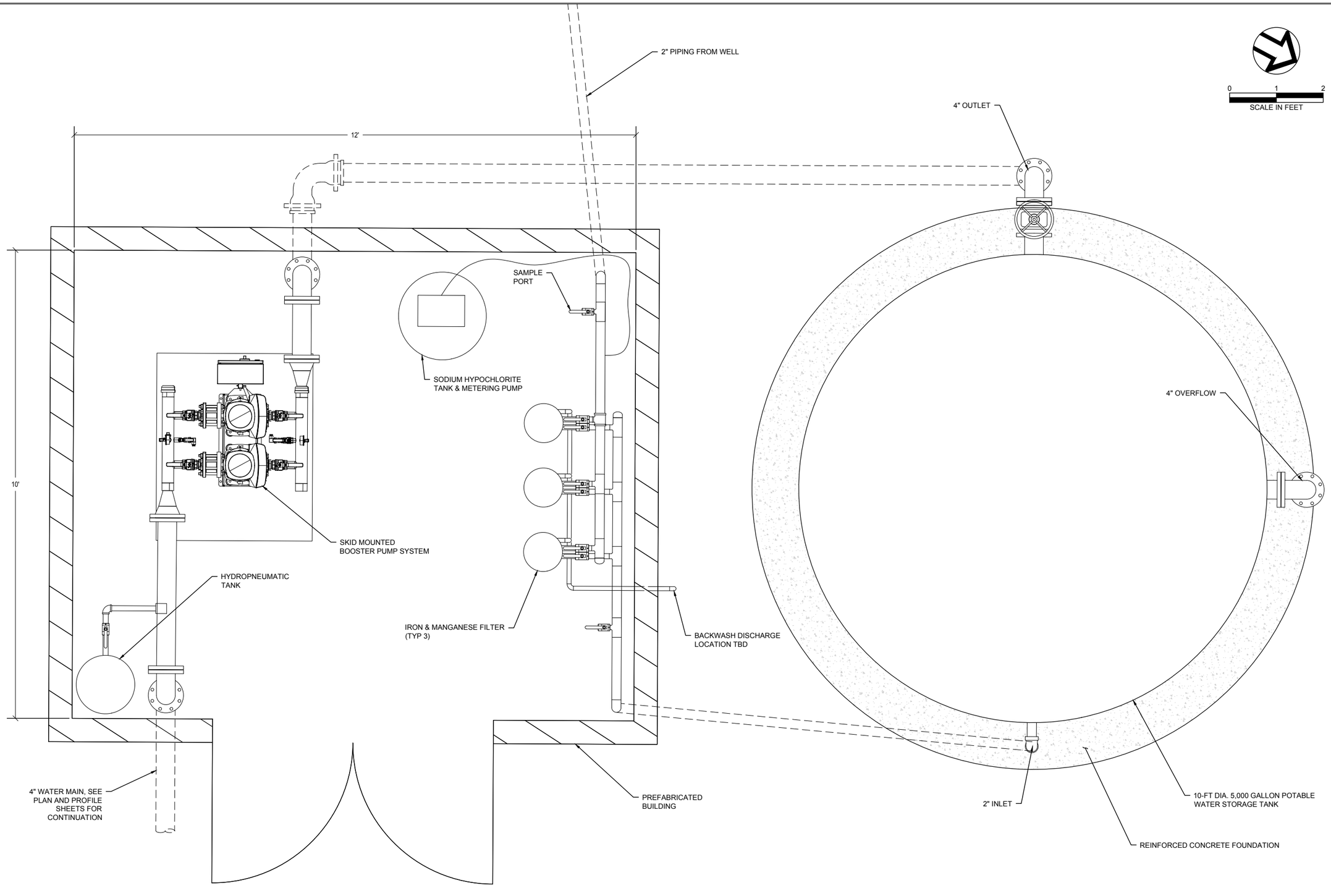
PROJECT NO: 1544C
DATE: 11/2023

OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
C6

P:\15\1544C Oxbow Welcome Center Water System\500 DWG\501 Plan Sheets\1544C-Site Plan.dwg, 11/3/2023 3:26:55 PM, Tomalynn Silva



PRELIMINARY

NO.	REVISION	BY	DATE
XX		AP/TS	

DESIGNED BY: AP
DRAWN BY:
REV:

ONE INCH
0 1"
ONE INCH AT FULL SCALE.
IF NOT ONE INCH ADJUST
SCALE ACCORDINGLY

TREATMENT BUILDING FLOOR PLAN

wallis engineering

PROJECT NO: 1544C
DATE: 11/2023

OXBOW PARK
WELCOME CENTER
WATER SYSTEM

Metro

DRAWING NO:
M1
12 OF 12

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