

KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER TREATMENT FACILITY PROJECT

KITSAP COUNTY, WASHINGTON
SECTION 21, TOWNSHIP 26N, RANGE 2E, W.M.
FUNDED IN PART BY THE WASHINGTON DEPARTMENT OF ECOLOGY


WORK ORDER NO. 97003141


SHEET INDEX	
SHEET #	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	LEGEND AND ABBREVIATIONS
4	HORIZONTAL CONTROL
5	SITE PREPARATION
6	TESC PLAN
7	STORMWATER SITE PLAN
8	STORMWATER PROFILE - 1
9	STORMWATER PROFILE - 2
10	STORMWATER PROFILE - 3
11	STORMWATER PROFILE - 4
12	DRAINAGE DETAILS - 1
13	DRAINAGE DETAILS - 2
14	WO TREATMENT VAULT DETAILS - 1
15	WO TREATMENT VAULT DETAILS - 2
16	PRETREATMENT DETAILS - 1
17	PRETREATMENT DETAILS - 2
18	OUTFALL DETAILS
19	SITE RESTORATION PLAN
20	PAVING PLAN
21	CURB RETURN PLAN - 1
22	CURB RETURN PLAN - 2
23	WATER RELOCATION PLAN
24	PLANTING PLAN
25	LANDSCAPE DETAILS - 1
26	LANDSCAPE DETAILS - 2
27	STRUCTURAL PLAN AND DETAILS
28	WALL DETAILS
SURVEY CONTROL	
1	TOPOGRAPHIC SURVEY



VICINITY MAP
N.T.S.

APPROVED FOR CONSTRUCTION





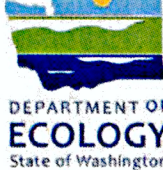


JOSEPH P. RUTAN, P.E.
COUNTY ROAD ENGINEER
2/10/25
DATE


CHRISTOPHER M. JERCY
ASSISTANT DIRECTOR
2/11/25
DATE



Know what's below.
Call before you dig.



DESIGNED BY MRW/MP						NO.	DATE	REVISION	BY		KITSAP COUNTY DEPT. OF PUBLIC WORKS 614 DIVISION STREET MS-26 PORT ORCHARD, WA 98366 TEL: (360) 337-5777 FAX: (360) 337-4867	SUQUAMISH REGIONAL STORMWATER TREATMENT FACILITY PROJECT COVER SHEET	JOB# / DWG 10-190052	DATE FEB 2025
DRAWN BY JAR													SCALE H: N/A V: N/A	SHEET 1 of 28
CHECKED BY CSC														

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\1\SHEETS\10-190052_NOTES AND LEGND.DWG
PLOT TIME: 2/7/2025 10:42 AM
USER NAME: JACOB ROMERO

CONSTRUCTION SEQUENCE:

1. APPLY FOR AND PICK UP ANY RIGHT OF WAY PERMITS FROM KITSAP COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT (DCD).
2. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD, AND SHALL BE ATTENDED BY THE GENERAL CONTRACTOR, THE PROJECT ENGINEER, REPRESENTATIVES FROM AFFECTED UTILITIES, AND A REPRESENTATIVE OF KITSAP COUNTY.
3. CALL FOR UTILITY LOCATES 1-800-424-5555.
4. IMPLEMENT AND INSTALL TESC BMPS.
5. INSTALL TRAFFIC CONTROL AND PROJECT DELINEATION DEVICES. THIS INCLUDES:
 - 5.1. CLOSING ACCESS FROM SUQUAMISH WAY/AUGUSTA AVE NE TO NE PARKWAY ST;
 - 5.2. LIMITING SB ANGELINE AVE NE TO NE PARKWAY ST ACCESS TO BOAT LAUNCH;
 - 5.3. MAINTAINING PEDESTRIAN TRAFFIC ALONG THE NORTH SIDE OF NE PARKWAY ST BETWEEN AUGUSTA AVE NE AND ANGELINE AVE NE;
 - 5.4. MAINTAIN PEDESTRIAN TRAFFIC TO THE DOCK.
6. PERFORM SITE PREP ACTIVITIES.
7. RELOCATE WATERLINE.
8. EXCAVATE VAULT LOCATION.
9. INSTALL STORMWATER SYSTEM
 - 9.1. VAULT INSTALLATION
 - 9.1.1. BACKFILL EAST END OF TREATMENT VAULT FOR LIMITED BOAT LAUNCH ACCESS.
 - 9.2. INSTALL OUTFALL
 - 9.2.1. IN-WATER WORK PER PERMIT, APPROXIMATELY BETWEEN JULY AND JANUARY.
 - 9.3. INSTALL PRETREATMENT UNITS, DRAINAGE STRUCTURES AND PIPES.
10. BACKFILL EXCAVATIONS.
11. INSTALL CURBS, SIDEWALKS, AND ADA RAMPS.
12. PREP FOR FULL DEPTH PAVING.
 - 12.1. PAVE TO 3-IN BELOW TOP OF FG HMA.
13. GRIND OFF TOP 3-IN OF EXISTING PARKING LOT.
14. OVERLAY ENTIRE PARKING LOT.
15. RE-STRIPE SUQUAMISH WAY NE.
16. PREP FOR LANDSCAPING.
17. INSTALL LANDSCAPING
18. REMOVE TESC BMPS.

GENERAL NOTES:

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE MOST CURRENT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION PREPARED BY WSDOT AND APWA AS ADOPTED BY THE KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS (KCPW).
2. ANY REVISIONS TO THE ACCEPTED CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE COUNTY PRIOR TO IMPLEMENTATION IN THE FIELD.
3. THE CONTRACTOR SHALL MAINTAIN A SET OF THE ACCEPTED CONSTRUCTION DRAWINGS ON-SITE AT ALL TIMES WHILE CONSTRUCTION IS IN PROGRESS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE TRAFFIC CONTROL AT ALL TIMES DURING CONSTRUCTION ALONGSIDE OR WITHIN ALL PUBLIC ROADWAYS. TRAFFIC FLOW ON EXISTING PUBLIC ROADWAYS SHALL BE MAINTAINED AT ALL TIMES, UNLESS PERMISSION IS OBTAINED FROM THE KCPW FOR ROAD CLOSURE AND/OR DETOURS.
5. THE LOCATION OF EXISTING UTILITIES ON THIS PLAN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL CONTACT THE UTILITIES UNDERGROUND LOCATION CENTER, AND NON-SUBSCRIBING INDIVIDUAL UTILITY COMPANIES 48 HOURS IN ADVANCE OF THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL PROVIDE FOR PROTECTION OF EXISTING UTILITIES FROM DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS.
6. PROTECTION OF THE ENVIRONMENT: NO CONSTRUCTION RELATED ACTIVITY SHALL CONTRIBUTE TO THE DEGRADATION OF THE ENVIRONMENT, ALLOW MATERIAL TO ENTER SURFACE OR GROUND WATERS, OR ALLOW PARTICULATE EMISSIONS TO THE ATMOSPHERE, WHICH EXCEED STATE OR FEDERAL STANDARDS. ANY ACTIONS THAT POTENTIALLY ALLOW A DISCHARGE TO STATE WATERS MUST HAVE PRIOR APPROVAL OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.
7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN THE EVENT OR DISCOVER OF POOR SOILS, GROUNDWATER OR DISCREPANCIES IN THE EXISTING CONDITIONS AS NOTED ON THE PLANS.
8. MAXIMUM SLOPE STEEPNESS SHALL BE 1:1 (HORIZONTAL TO VERTICAL) FOR TEMPORARY CUT AND FILL SLOPES.
9. THE CONTRACTOR SHALL ENSURE THAT THE DRAINAGE IS INSTALLED AND OPERATIONAL PRIOR TO COMMENCEMENT OF PAVING WORK.
10. TRENCH BACKFILL AND PAVEMENT RESTORATION PER KITSAP COUNTY STANDARD DETAIL 7-1.
11. CONTRACTOR TO COORDINATE OVERHEAD ELECTRICAL TEMPORARY DISCONNECTIONS AND TEMPORARY POLES SUPPORT WITH PUGET SOUND ENERGY FOR CONSTRUCTION ACTIVITIES, INCLUDING EXCAVATION AND VAULT AND PIPE PLACEMENTS.
12. NO CONSTRUCTION RELATED ACTIVITY SHALL CONTRIBUTE TO THE DEGRADATION OF THE ENVIRONMENT, ALLOW MATERIAL TO ENTER SURFACE OR GROUND WATERS, OR ALLOW PARTICULATE EMISSIONS TO THE ATMOSPHERE, WHICH EXCEED STATE OR FEDERAL STANDARDS. ANY ACTIONS THAT POTENTIALLY ALLOW A DISCHARGE TO STATE WATERS MUST HAVE PRIOR APPROVAL OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.

GENERAL EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE FOLLOWING EROSION AND SEDIMENTATION CONTROL NOTES APPLY TO ALL CONSTRUCTION SITE ACTIVITIES AT ALL TIMES, UNLESS OTHERWISE SPECIFIED ON THESE PLANS:
2. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL PLAN DOES NOT CONSTITUTE AN ACCEPTANCE OF THE PERMANENT ROAD OR DRAINAGE DESIGN.
3. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR PREVENTING SILT-LADEN RUNOFF FROM DISCHARGING FROM THE PROJECT SITE. FAILURE BY THE CONTRACTOR CAN RESULT IN A FINE. THE DESIGNATED TEMPORARY CONTACT PERSON SHALL BE AVAILABLE FOR CONTACT BY TELEPHONE ON A 24-HOUR BASIS THROUGHOUT CONSTRUCTION AND UNTIL THE PROJECT HAS BEEN COMPLETED AND ACCEPTED BY KITSAP COUNTY.
4. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE BMPS IS THE RESPONSIBILITY OF THE CONTRACTOR FROM THE BEGINNING OF CONSTRUCTION UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY KITSAP COUNTY AND THE SITE IS STABILIZED.
5. PRIOR TO BEGINNING ANY WORK ON THE PROJECT SITE, A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD, AND SHALL BE ATTENDED BY THE GENERAL CONTRACTOR, THE PROJECT ENGINEER, REPRESENTATIVES FROM AFFECTED UTILITIES, AND A REPRESENTATIVE OF KITSAP COUNTY.
6. THE ESC BMPS SHOWN ON THIS PLAN ARE CONSIDERED ADEQUATE BASIC REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, DEVIATIONS FROM THIS PLAN MAY BE NECESSARY IN ORDER TO MAINTAIN WATER QUALITY. MINOR DEPARTURES FROM THIS PLAN ARE PERMITTED SUBJECT TO THE APPROVAL OF THE COUNTY INSPECTOR. HOWEVER, EXCEPT FOR EMERGENCY SITUATIONS, ALL OTHER DEVIATIONS FROM THIS PLAN SHALL BE APPROVED BY KITSAP COUNTY PRIOR TO INSTALLATION.
7. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR ON A FREQUENT BASIS AND IMMEDIATELY AFTER EACH RAINFALL AND MAINTAINED AS NECESSARY TO INSURE THEIR CONTINUED FUNCTIONING. ALL SEDIMENT SHALL BE REMOVED FROM SILT FENCES, STRAW BALES, SEDIMENT PONDS, ETC. PRIOR TO THE SEDIMENT REACHING 1/3 ITS MAXIMUM POTENTIAL DEPTH.
8. AT NO TIME SHALL CONCRETE, CONCRETE BYPRODUCTS, VEHICLE FLUIDS, PAINT, CHEMICALS, OR OTHER POLLUTING MATTER BE PERMITTED TO DISCHARGE TO THE TEMPORARY OR PERMANENT DRAINAGE SYSTEM, OR TO DISCHARGE FROM THE PROJECT SITE.
9. PERMANENT DETENTION/RETENTION PONDS, PIPES, TANKS OR VAULTS MAY ONLY BE USED FOR SEDIMENT CONTAINMENT WHEN APPROVED BY THE COUNTY INSPECTOR.
10. REDIRECT SHEET FLOW, BLOCK DRAIN INLETS AND/OR CURB OPENINGS IN PAVEMENT AND INSTALL FLOW DIVERSION MEASURES TO PREVENT CONSTRUCTION SILT LADEN RUNOFF AND DEBRIS FROM ENTERING THE TREATMENT VAULT.
11. WHERE AMENDED SOILS ARE INSTALLED, THESE AREAS SHALL BE PROTECTED AT ALL TIMES FROM BEING OVER-COMPACTED. IF AREAS BECOME COMPACTED, REMEDIATE AND TILL SOIL IN ACCORDANCE WITH KITSAP COUNTY REQUIREMENTS AT NO ADDITIONAL COST.
12. INSTALL FLOW DIVERSION MEASURES OUTSIDE OF THE CRITICAL ROOT ZONE OF TREES TO BE PROTECTED. AT NO TIME SHALL CONSTRUCTION STORMWATER BE DIRECTED TOWARDS TREES TO BE PROTECTED. CONSTRUCTION STORMWATER SHALL NOT POND WITHIN A TREE'S CRITICAL ROOT ZONE.

MINIMUM EROSION & SEDIMENTATION CONTROL REQUIREMENTS

1. ALL EXPOSED AND UNWORKED SOILS, INCLUDING SOIL STOCKPILES, SHALL BE STABILIZED BY SUITABLE APPLICATION OF BMPS THAT PROTECT SOIL FROM THE EROSIIVE FORCES OF RAINDROP IMPACT AND FLOWING WATER. APPLICABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO VEGETATIVE ESTABLISHMENT, MULCHING, PLASTIC COVERING, AND THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED. FROM OCTOBER 1 TO APRIL 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 7 DAYS.
2. AT ALL TIMES OF THE YEAR, THE CONTRACTOR SHALL HAVE SUFFICIENT MATERIALS, EQUIPMENT AND LABOR ON-SITE TO STABILIZE AND PREVENT EROSION FROM ALL DENUDED AREAS WITHIN 12-HOURS AS SITE AND WEATHER CONDITIONS DICTATE.
3. FROM OCTOBER 1ST TO APRIL 30TH, THE CONTRACTOR SHALL VISIT THE DEVELOPMENT SITE A MINIMUM OF ONCE PER WEEK FOR THE PURPOSE OF INSPECTING THE EROSION AND SEDIMENTATION CONTROL FACILITIES, REVIEWING THE PROGRESS OF CONSTRUCTION, AND VERIFYING THE EFFECTIVENESS OF THE EROSION CONTROL MEASURES BEING UNDERTAKEN. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE COUNTY OF ANY PROBLEMS OR POTENTIAL PROBLEMS OBSERVED DURING SAID SITE VISITS, AS WELL AS OF ANY RECOMMENDED CHANGES IN THE EROSION CONTROL MEASURES TO BE UNDERTAKEN. WHEN REQUESTED BY THE COUNTY, THE CONTRACTOR SHALL PROVIDE THE COUNTY WITH WRITTEN RECORDS OF SAID WEEKLY SITE VISITS, INCLUDING DATES OF VISITS AND NOTED SITE OBSERVATIONS.
4. IN THE EVENT THAT GROUND ON A PROJECT SITE IS LEFT BARE AFTER SEPTEMBER 30TH, THE COUNTY MAY ISSUE A STOP WORK ORDER FOR THE ENTIRE PROJECT UNTIL SATISFACTORY CONTROLS ARE PROVIDED. IN ADDITION, THE CONTRACTOR WILL BE SUBJECT TO THE PENALTIES PROVIDED IN SECTION 12.32 OF THE KITSAP COUNTY CODE.
5. IN THE EVENT THAT GROUND ON A PROJECT SITE IS LEFT BARE AFTER SEPTEMBER 30TH, AND THE COUNTY IS UNSUCCESSFUL IN CONTACTING THE CONTRACTOR OR HIS/HER DESIGNATED EMERGENCY CONTACT PERSON, THE COUNTY MAY ENTER THE PROJECT SITE AND INSTALL TEMPORARY GROUND COVER MEASURES AND BILL THE CONTRACTOR FOR ALL EXPENSES INCURRED BY THE COUNTY. THESE COSTS WILL BE IN ADDITION TO ANY MONETARY PENALTIES LEVIED AGAINST THE COUNTY.
6. CLEARING LIMITS, SETBACKS, BUFFERS, AND SENSITIVE OR CRITICAL AREAS SUCH AS STEEP SLOPES, WETLANDS AND RIPARIAN CORRIDORS SHALL BE CLEARLY MARKED IN THE FIELD AND INSPECTED BY KITSAP COUNTY PRIOR TO COMMENCEMENT OF LAND CLEARING ACTIVITIES. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
7. ADJACENT PROPERTIES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION BY APPROPRIATE USE OF VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES OR MULCHING, OR BY A COMBINATION OF THESE MEASURES AND OTHER APPROPRIATE BMPS.
8. SEDIMENT PONDS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER BMPS INTENDED TO TRAP SEDIMENT ON-SITE SHALL BE CONSTRUCTED AS A FIRST STEP IN GRADING. THESE BMPS SHALL BE FUNCTIONAL BEFORE LAND DISTURBING ACTIVITIES TAKE PLACE. EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS SHALL BE STABILIZED ACCORDING TO THE TIMING INDICATED IN ITEM (1) ABOVE.
9. CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. ROUGHENED SOIL SURFACES ARE PREFERRED TO SMOOTH SURFACES. INTERCEPTORS SHOULD BE CONSTRUCTED AT THE TOP OF LONG, STEEP SLOPES WHICH HAVE SIGNIFICANT AREAS ABOVE THAT CONTRIBUTE RUNOFF. CONCENTRATED RUNOFF SHOULD NOT BE ALLOWED TO FLOW DOWN THE FACE OF A CUT OR FILL SLOPE UNLESS CONTAINED WITHIN AN ADEQUATE CHANNEL OR PIPE SLOPE DRAIN. WHEREVER A SLOPE FACE CROSSES A WATER SEEPAGE PLANE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHOULD BE PROVIDED. IN ADDITION, SLOPES SHOULD BE STABILIZED IN ACCORDANCE WITH ITEM (1) ABOVE.

MINIMUM EROSION & SEDIMENTATION CONTROL REQUIREMENTS CONT

10. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM THE DEVELOPMENT SITE BY THE IMPLEMENTATION OF APPROPRIATE BMPS TO MINIMIZE ADVERSE DOWNSTREAM IMPACTS.
11. ALL TEMPORARY ON-SITE CONVEYANCE CHANNELS SHALL BE DESIGNED, CONSTRUCTED AND STABILIZED TO PREVENT EROSION FROM THE EXPECTED FLOW VELOCITY FROM A 2-YEAR FREQUENCY, 24-HOUR DURATION STORM FOR THE POST-DEVELOPMENT CONDITION. STABILIZATION ADEQUATE TO PREVENT EROSION OF OUTLETS, ADJACENT STREAMBANKS, SLOPES AND DOWNSTREAM REACHES SHALL BE PROVIDED AT THE OUTLETS OF ALL CONVEYANCE SYSTEMS.
12. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. AFTER PROPER WRITTEN APPLICATION, THE REQUIREMENT FOR INLET PROTECTION MAY BE WAIVED BY THE COUNTY ON A SITE-SPECIFIC BASIS WHEN THE CONVEYANCE SYSTEM DOWNSTREAM OF THE INLET DISCHARGES TO AN APPROPRIATE SEDIMENT CONTAINMENT BMP AND THE CONVEYANCE SYSTEM CAN BE ADEQUATELY CLEANED FOLLOWING SITE STABILIZATION.
13. THE CONSTRUCTION OF UNDERGROUND UTILITY LINES SHALL BE LIMITED, WHERE FEASIBLE, TO NO MORE THAN 500 FEET OF OPEN TRENCH AT ANY ONE TIME. WHERE CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS, EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH. DEWATERING DEVICES SHALL DISCHARGE TO AN APPROPRIATE SEDIMENT TRAP OR POND, PRECEDED BY ADEQUATE ENERGY DISSIPATION, PRIOR TO RUNOFF LEAVING THE SITE.
14. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED ROADS, PROVISIONS MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) ONTO THE PAVED ROAD BY USE OF APPROPRIATE BMPS SUCH AS A STABILIZED CONSTRUCTION ENTRANCE. IF SEDIMENT IS TRANSPORTED ONTO A ROAD SURFACE, THE ROADS SHALL BE CLEANED THOROUGHLY, AS A MINIMUM, AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
15. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON-SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL OF TEMPORARY BMPS SHALL BE PERMANENTLY STABILIZED. THE REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL BMPS MAY NOT BE REQUIRED FOR THOSE PROJECTS, SUCH AS SINGLE FAMILY PLATS, THAT WILL BE FOLLOWED BY ADDITIONAL CONSTRUCTION UNDER A DIFFERENT PERMIT. IN THESE CIRCUMSTANCES, THE NEED FOR REMOVING OR RETAINING THE MEASURES WILL BE EVALUATED ON A SITE-SPECIFIC BASIS.
16. DEWATERING DEVICES SHALL DISCHARGE INTO AN APPROPRIATE SEDIMENT TRAP, TANK, OR POND, DESIGNED TO ACCEPT SUCH A DISCHARGE, PRECEDED BY ADEQUATE ENERGY DISSIPATION, PRIOR TO RUNOFF LEAVING THE SITE.
17. ALL POLLUTANTS OTHER THAN SEDIMENT THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND LEGALLY DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORM OR SURFACE WATERS. POLLUTANTS OF CONCERN INCLUDE, BUT ARE NOT LIMITED TO, FUELS, LUBRICANTS, SOLVENTS, CONCRETE BI-PRODUCTS AND CONSTRUCTION MATERIALS.
18. PROTECT ALL LID BMPS, INCLUDING BUT NOT LIMITED TO TREATMENT SOILS, BIORETENTION, RAIN GARDEN, AND PERMEABLE PAVEMENT, FROM SEDIMENTATION THROUGH INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL BMPS ON PORTIONS OF THE SITE THAT DRAIN INTO SUCH BMPS. RESTORE THE BMPS TO THEIR FULLY FUNCTIONING CONDITION IF THEY ACCUMULATE SEDIMENT DURING CONSTRUCTION. PREVENT COMPACTION IN BIORETENTION AND RAIN GARDEN BMPS BY EXCLUDING CONSTRUCTION EQUIPMENT AND FOOT TRAFFIC. PROTECT LAWN AND LANDSCAPED AREAS FROM COMPACTION BY CONSTRUCTION EQUIPMENT. KEEP ALL HEAVY EQUIPMENT OFF EXISTING SOILS UNDER LID BMPS THAT HAVE BEEN EXCAVATED TO FINAL GRADE TO RETAIN INFILTRATION RATE OF THE SOILS.
19. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER. THE APPLICANT SHALL BE RESPONSIBLE FOR ASSURING THAT ANY SUCH FACILITIES DAMAGED DURING FLOODS, STORMS OR OTHER ADVERSE WEATHER CONDITIONS ARE IMMEDIATELY RETURNED TO NORMAL OPERATING CONDITION.
20. A PERFORMANCE COVENANT OR PERFORMANCE SURETY, SHALL BE REQUIRED FOR ALL PROJECTS TO ENSURE COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, AS OUTLINED IN SECTION 12.12 OF THE KITSAP COUNTY CODE.

DESIGNED BY
MRW/MP

DRAWN BY
JAR

CHECKED BY
CSC

Osborn
Consulting



NO.	DATE	REVISION	BY		



KITSAP COUNTY
DEPT. OF PUBLIC WORKS
614 DIVISION STREET MS-26
PORT ORCHARD, WA 98366
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SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
GENERAL NOTES

JOB# / DWG	DATE
10-190052	FEB 2025
SCALE	SHEET
H: N/A V: N/A	2 of 28



2/7/2025







FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\DSHEETS\P_10-190052_NOTES AND LEGND.DWG
PLOT TIME: 2/7/2025 10:44 AM
USER NAME: JACOB ROMERO

ABBREVIATIONS:


























ADA	AMERICANS WITH DISABILITIES ACT
ADS	ADVANCED DRAINAGE SYSTEMS
APPROX.	APPROXIMATE
BC	BASE OF CURB
BMP	BEST MANAGEMENT PRACTICE
CB	CATCH BASIN
CFS	CUBIC FEET PER SECOND
CONC	CONCRETE
CSTC	CRUSHED SURFACING TOP COARSE
CY	CUBIC YARDS
DI	DUCTILE IRON
DIA	DIAMETER
DOSH	DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (OSHA)
E	EAST, EASTING
ELEV	ELEVATION
EX	EXISTING
FG	FINISHED GROUND
FIG	FIGURE FT FOOT, FEET
GALV	GALVANIZED
HVF	HIGH VISIBILITY FENCE
LT	LEFT TRENCH
IE	INVERT ELEVATION
IN	INCH
KPUD	KITSAP PUBLIC UTILITY DISTRICT
MAX	MAXIMUM
MIN	MINIMUM
MJ	MECHANIC JOINT
N	NORTH, NORTHING
NE	NORTHEAST
N.T.S.	NOT TO SCALE
OHWM	ORDINARY HIGH WATER MARK
PVC	POLYVINYL CHLORIDE
RJ	RESTRAINED JOINT
ROW	RIGHT OF WAY
RT	RIGHT TRENCH
S	SOUTH
SD	STORM DRAIN
SF	SQUARE FEET
STA.	STATION
STD	STANDARD
SSMH	SANITARY SEWER MANHOLE
SWMMWW	STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON
TC	TOP OF CURB
TBD	TO BE DETERMINED
TCE	TEMPORARY CONSTRUCTION LIMITS
TYP	TYPICAL
W	WEST
WSDOT	WASHINGTON DEPARTMENT OF TRANSPORTATION WQ WATER QUALITY
WSHA	WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (OSHA)













LEGEND

PROPOSED


	SD	STORM DRAIN
		CATCH BASIN TYPE 1 PER WSDOT STD. PLAN B-5.20-03
		CATCH BASIN TYPE 2-48" PER WSDOT STD. PLAN B-10.20-02
		CATCH BASIN TYPE 2-72" PER WSDOT STD. PLAN B-10.20-02
		CONSTRUCTION LIMITS
		TEMPORARY CONSTRUCTION EASEMENT (TCE) AND CONSTRUCTION LIMITS

EXISTING

	CATCH BASIN (AS DESCRIBED)
	STORM DRAIN MANHOLE
	STORM DRAIN CLEAN OUT
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEAN OUT
	WATER VALVE
	WATER METER
	FIRE HYDRANT
	HOSE BIB
	BLOW OFF VALVE
	IRRIGATION CONTROL VALVE
	JUNCTION BOX
	ELECTRICAL CABINET
	UTILITY POLE
	TELEPHONE RISER
	DOWN GUY
	WOOD POLE WITH LIGHT
	ELECTRICAL METER
	MAILBOX
	FIRE DEPT. CONNECTION
	POWER VAULT
	YARD LIGHT
	ORDINARY HIGH WATER FLAG
	SIGN POST AS DESCRIBED
	GAS PROPANE TANK

	FENCE LINE AS DESCRIBED
	DITCH FLOW LINE
	WATER PAINT MARK
	ELECTRICAL POWER PAINT MARK
	TELEPHONE PAINT MARK
	ASPHALT
	CONCRETE
	GRAVEL
	BRICK
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	RIGHT-OF-WAY LIMIT



DESIGNED BY MRW/MP	
DRAWN BY JAR	
CHECKED BY CSC	



NO.	DATE	REVISION	BY

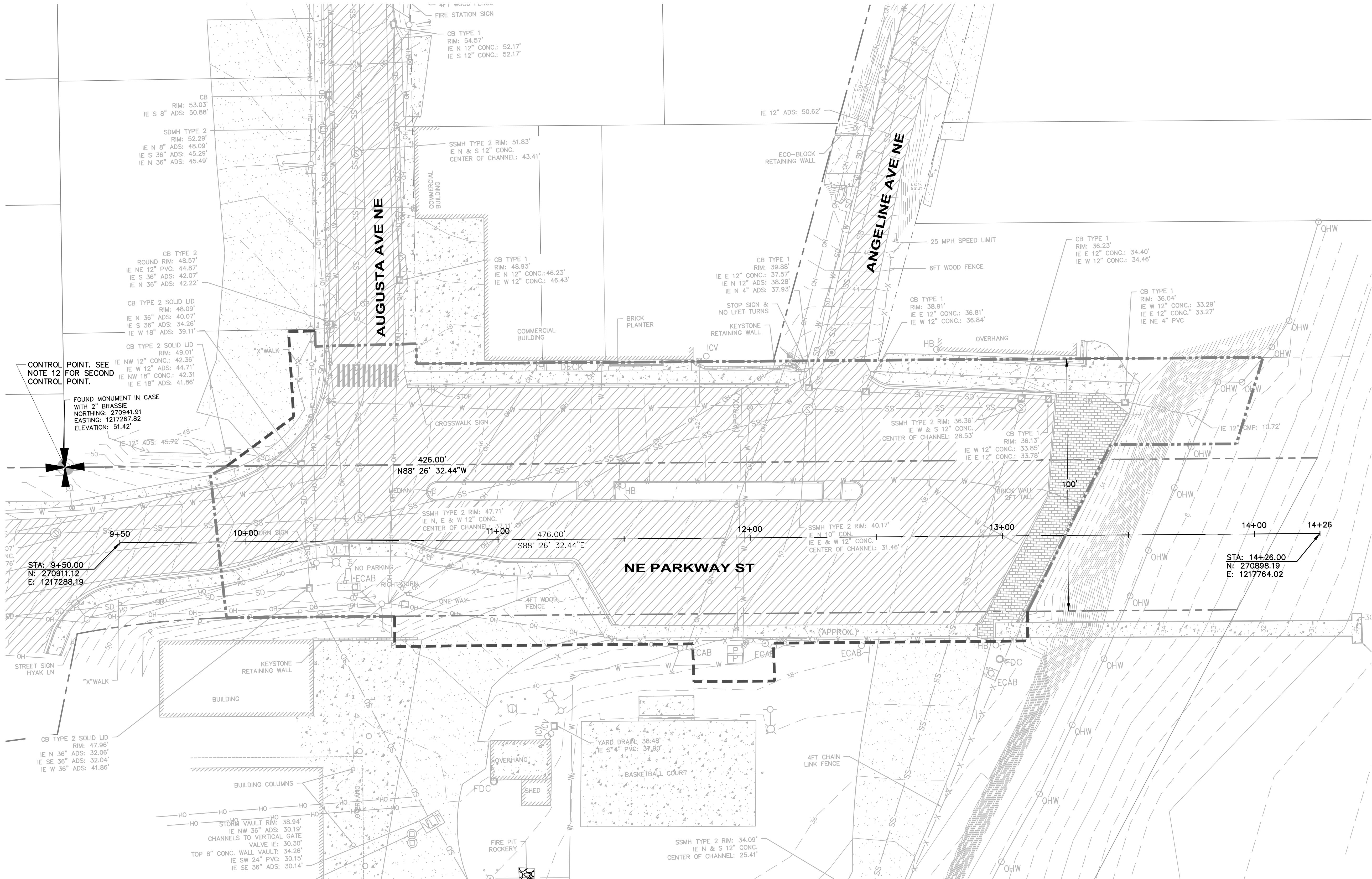


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STORMWATER TREATMENT
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LEGEND AND ABBREVIATIONS

JOB# / DWG	10-190052	DATE	FEB 2025
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FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\190052_EXISTING CONDITIONS.DWG
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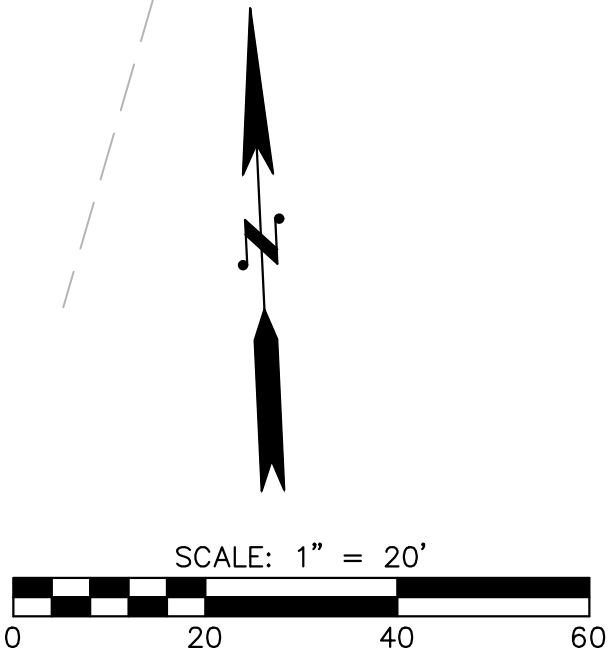


SURVEY NOTES:

1. HORIZONTAL DATUM: NAD 83/2011 (WA NORTH ZONE). ALL DISTANCES SHOWN HEREON ARE GROUND DISTANCES. THE ONLY STATE PLANE COORDINATE "ON GRID" IS THE BASIS OF POSITION.
2. VERTICAL DATUM: NAVD88
3. TIES TO DATUM WERE ESTABLISHED BY GNSS OBSERVATIONS USING THE WASHINGTON STATE REFERENCE NETWORK AND GEOID12B. SEE MAP FOR BENCHMARKS.
4. CONTOURS SHOWN HEREON ARE THE RESULT OF A FIELD SURVEY (BASED ON FIELD DATA) PERFORMED IN APRIL & MAY OF 2020 WITH A TARGET ACCURACY OF 1/2 CONTOUR. CONTOURS ARE COMPUTER GENERATED.
5. THIS IS NOT A BOUNDARY SURVEY. BOUNDARIES SHOWN HEREON ARE TAKEN FROM GIS PRODUCTS PROVIDED BY KITSAP COUNTY.
6. UNDERGROUND UTILITIES SHOWN HEREON PER PAINT MARKS LOCATED BY CNI LOCATES LTD IN AUGUST 2020.
7. THIS WORK WAS PERFORMED TO ALLOW FOR CIVIL ENGINEER DESIGN.
8. NO STATEMENT OF THE SCOPE WAS ESTABLISHED OF WORK BETWEEN THE PROJECT OWNER AND THE LICENSEE REGARDING THE COMPREHENSIVENESS, EXCLUSIONS, AND LIMITS OF THE UTILITY INVESTIGATIONS LEADING TO THESE UTILITY DEPICTIONS.
9. ALL SURVEY MONUMENTS AS NOTED HEREON OR SUBSEQUENTLY FOUND ARE TO BE SAVED AND UNDISTURBED OR A PERMIT IS REQUIRED FROM DNR FOR REMOVAL AND REPLACEMENT (PER RCW 58.09.130)
10. ORDINARY HIGH WATER MARK FLAGS WERE LOCATED IN THE FIELD BY ANCHOR QEA ON JUNE 8TH, 2020.
11. 1 FOOT = 0.3048 METERS
12. CONTROL POINT SHOWN ON PLAN. SECOND CONTROL POINT (OUTSIDE OF PROJECT AREA ON AUGUSTA AVE NE AND NORTH OF THE SHEET'S EXTENTS.): FOUND MONUMENT IN CASE WITH 2" BRASSIE
NORTHING: 271612.88
EASTING: 1217399.93
ELEVATION: 73.38'

PRACTICE / PROCEDURES:

SP80 GPS AND RANGER 3 DATA COLLECTOR USED FOR GPS TIES TO SURVEY CONTROL. CONVENTIONAL SURVEY WAS PERFORMED BY FIELD TRAVERSE WITH A SPECTRA PRECISION FOCUS 35 TOTAL STATION. FINAL RESULTS MEETING OR EXCEEDING THE CURRENT TRAVERSE STANDARDS CONTAINED IN W.A.C. 332-130-090.



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 **N.L. Olson &
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 **DEPARTMENT OF
ECOLOGY**
State of Washington

NO.	DATE	REVISION	BY

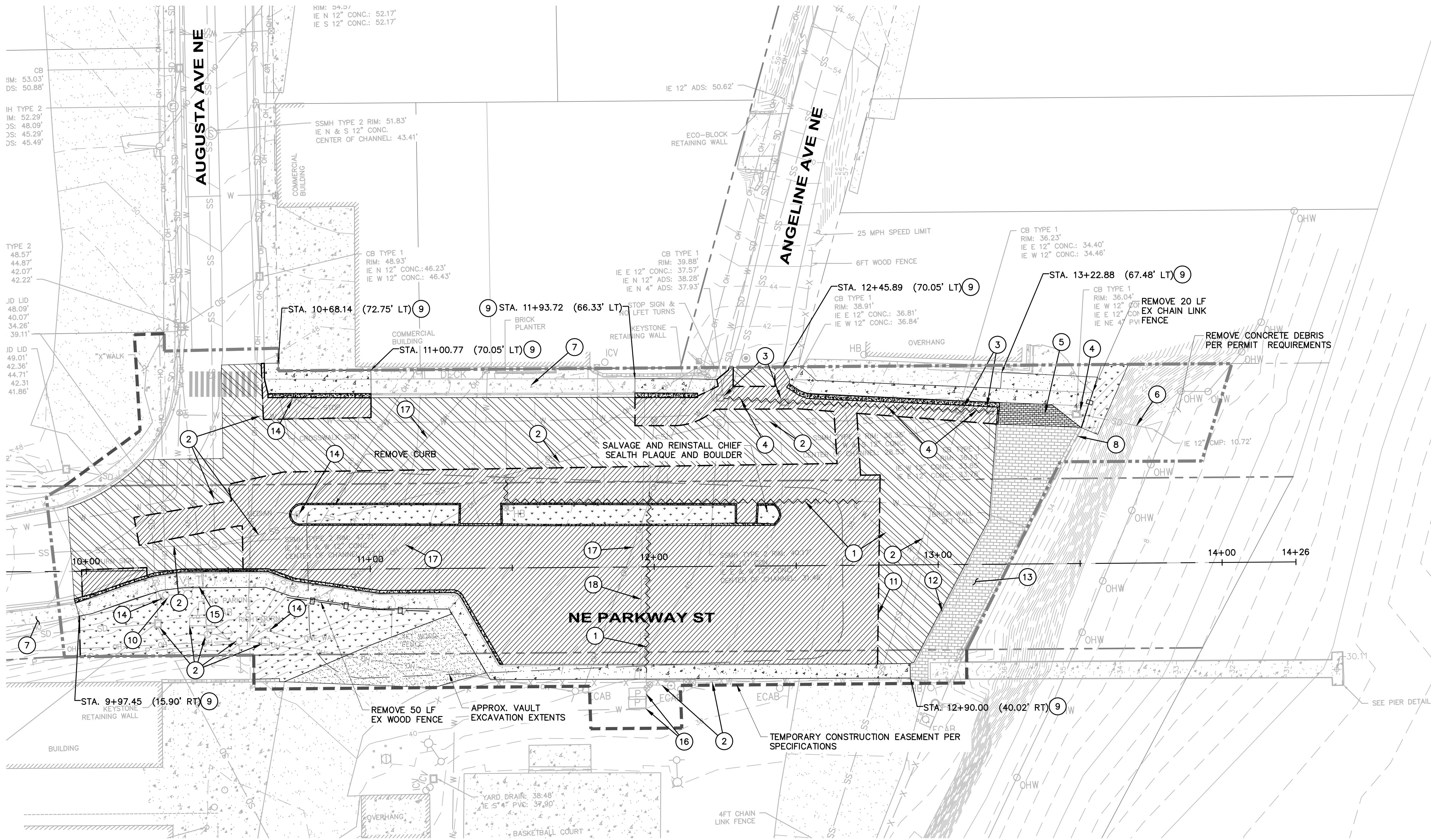


**KITSAP COUNTY
DEPT. OF PUBLIC WORKS**
614 DIVISION STREET MS-26
PORT ORCHARD, WA 98366
TEL: (360) 337-5777 FAX: (360) 337-4867

**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
HORIZONTAL CONTROL**

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: 1"=20' V: N/A	SHEET 4 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\3 SHEETS\10-190052 SITE PREP.DWG
PLOT TIME: 2/7/2025 1:53 PM
USER NAME: JACOB ROMERO



GENERAL NOTES:

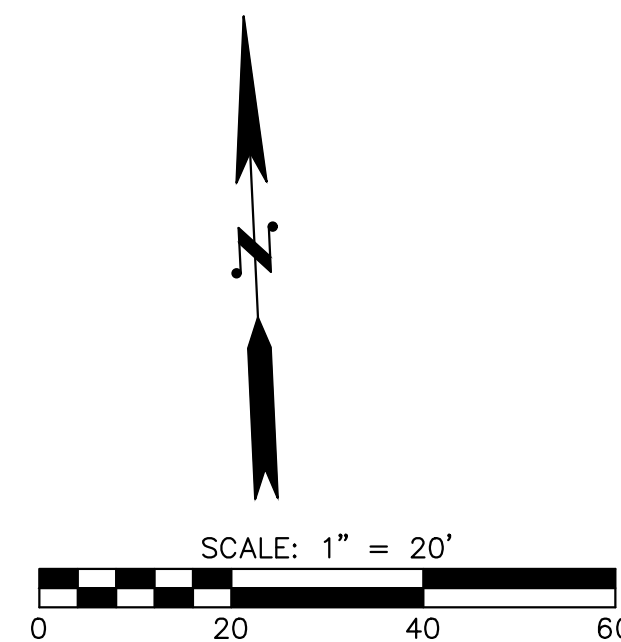
1. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. SEE SHEET 19 FOR RESTORATION PLAN.
3. SEE SHEET 20 FOR PAVING PLAN AND HORIZONTAL CONTROL.
4. SEE SHEET 6 FOR TESC MEASURES.
5. PIPE TRENCHING PER KITSAP COUNTY STANDARD DETAIL FIG 7-1.
6. SEE SHEET 6 FOR CONSTRUCTION LIMITS CONTROL POINTS.
7. FOR ALL THE WORK TO BE PERFORMED OUTSIDE THE ROW LIMITS, TEMPORARY CONSTRUCTION EASEMENTS TO BE PROVIDED BY THE COUNTY.
8. THE CONTRACTOR SHALL CONFIRM CLEARANCE TO OVERHEAD UTILITIES AND PROTECT UTILITIES DURING CONSTRUCTION ACTIVITIES.

CONSTRUCTION NOTES:

1. REMOVE/ABANDON AND RELOCATE EXISTING WATER LINE. SEE SHEET 23.
2. PROTECT EXISTING UTILITY
3. REMOVE EXISTING STRUCTURE
4. REMOVE EXISTING STORM DRAIN
5. PLUG AND ABANDON EXISTING STORM DRAIN
6. ABANDON AND REMOVE STORM DRAIN
7. PROTECT EXISTING SIDEWALK
8. PROTECT EXISTING WALL
9. SAWCUT AND REMOVE CEMENT CONCRETE SIDEWALK OR DRIVEWAY NEAREST JOINT OR AS DIRECTED BY THE ENGINEER.
10. LUMINAIRE POLE TO BE RELOCATED BY OTHERS.
11. PAVEMENT REMOVAL LIMITS BASED ON TRENCH EXCAVATION LIMITS, TYP.
12. PROTECT EXISTING CURB
13. PROTECT EXISTING BRICK PAVER SIDEWALK
14. SALVAGE EXISTING SIGNS AND REINSTALL PER LOCATIONS SHOWN ON SHEET 18.
15. COORDINATE UTILITY VAULT RELOCATION BY WITH UTILITY PROVIDER.
16. TEMPORARILY RELOCATE IRRIGATION CONTROL VAULTS.
17. CONTRACTOR TO COORDINATE WITH UTILITY OWNER FOR TEMPORARY DEACTIVATION OR REMOVAL OF OVERHEAD LINES.
18. CONTRACTOR TO REMOVE AND RECONNECT CONDUITS AND COORDINATE UTILITY OWNERS.

LEGEND

- PAVEMENT REMOVAL-FULL DEPTH
- PLANING BITUMINOUS PAVEMENT - 3-IN DEPTH
- CONCRETE SIDEWALK AND DRIVEWAY ENTRANCE REMOVAL
- CURB REMOVAL
- GRAVEL REMOVAL
- CLEAR AND GRUB LANDSCAPE AREA
- BRICK PAVERS REMOVAL
- HMA SAWCUT
- CONSTRUCTION LIMITS
- TCE AND CONSTRUCTION LIMITS
- REMOVE EXISTING FENCE
- REMOVED PIPE/STRUCTURE
- APPROX. VAULT EXCAVATION EXTENTS



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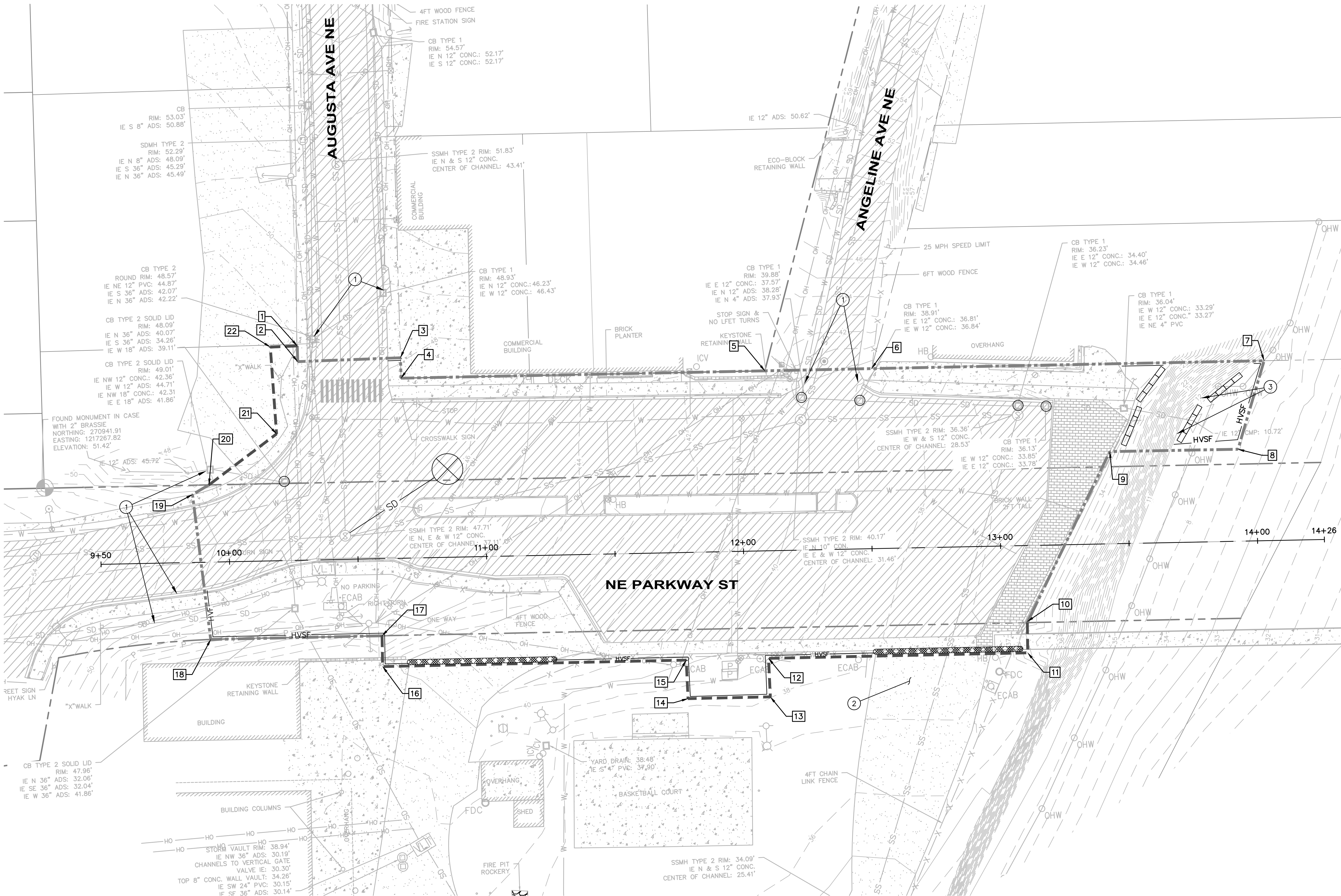


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**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT**
SITE PREPARATION

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: 1"=20' V: N/A	SHEET 5 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\1 SHEETS\10-190052_TESC.DWG
PLOT TIME: 2/7/2025 10:48 AM
USER NAME: JACOB ROMERO



GENERAL NOTES:

1. TESC MEASURES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL FIELD LOCATE TO ACCOMMODATE SITE CONDITIONS AND WORK SCHEDULE.
2. PROTECT ALL EXISTING FEATURES AND VEGETATION NOT CALLED TO BE REMOVED. SEE SHEET 5 FOR SITE PREP.
3. CONTRACTOR TO SELECT APPROVED STOCKPILING AND STAGING LOCATION.

TESC NOTES:

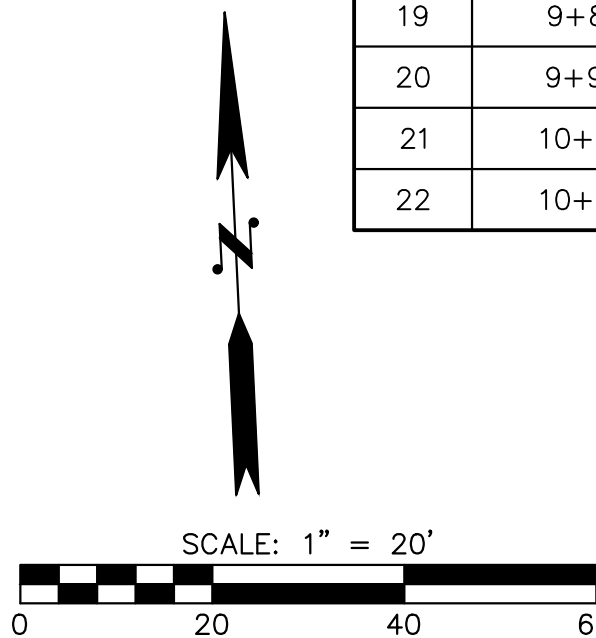
1. CONTRACTOR TO CAPTURE STORMWATER AND DIVERT AROUND PROJECT AREA. SEE EROSION AND SEDIMENTATION CONTROL NOTES ON SHEET 2.
2. MAINTAIN VEHICLE ACCESS TO THE MAXIMUM EXTENT FEASIBLE DURING CONSTRUCTION PER NOTES ON SHEET 2.
3. CONTRACTOR TO MINIMIZE IMPACT TO BLUFF SLOPE. INSTALL COIR LOGS AS NEEDED TO PROTECT BLUFF DURING CONSTRUCTION.

LEGEND:

- CONSTRUCTION LIMITS
- TCE AND CONSTRUCTION LIMITS
- HVF HIGH VISIBILITY FENCE PER WSDOT STD PLAN 1-10.10-01
- HVSF HIGH VISIBILITY SILT FENCE PER WSDOT STD PLAN 1-30.17-01
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN 1-40.20-00
- STRAW WATTLE/COMPOST SOCK WSDOT STD PLAN 1-30.40-02
- COIR LOG PER WSDOT STD PLAN 1-30.60-02
- BAKER TANK WITH REQUIRED CONNECTION APPROVAL BY CONTRACTOR

CONTROL POINT TABLE

POINT	STATION	OFFSET
1	10+28.04	83.43' L
2	10+28.10	77.30' L
3	10+68.09	78.00' L
4	10+68.17	70.06' L
5	12+09.71	70.03' L
6	12+51.25	70.06' L
7	14+03.97	70.01' L
8	13+93.12	35.79' L
9	13+43.24	35.89' L
10	13+09.81	29.57' R
11	13+09.73	41.75' R
12	12+08.86	41.84' R
13	12+09.27	56.84' R
14	11+77.26	56.87' R
15	11+76.85	41.87' R
16	10+58.73	41.98' R
17	10+58.73	30.00' R
18	9+92.06	30.08' R
19	9+86.12	26.43' L
20	9+92.62	30.07' L
21	10+19.30	49.36' L
22	10+17.55	83.17' L



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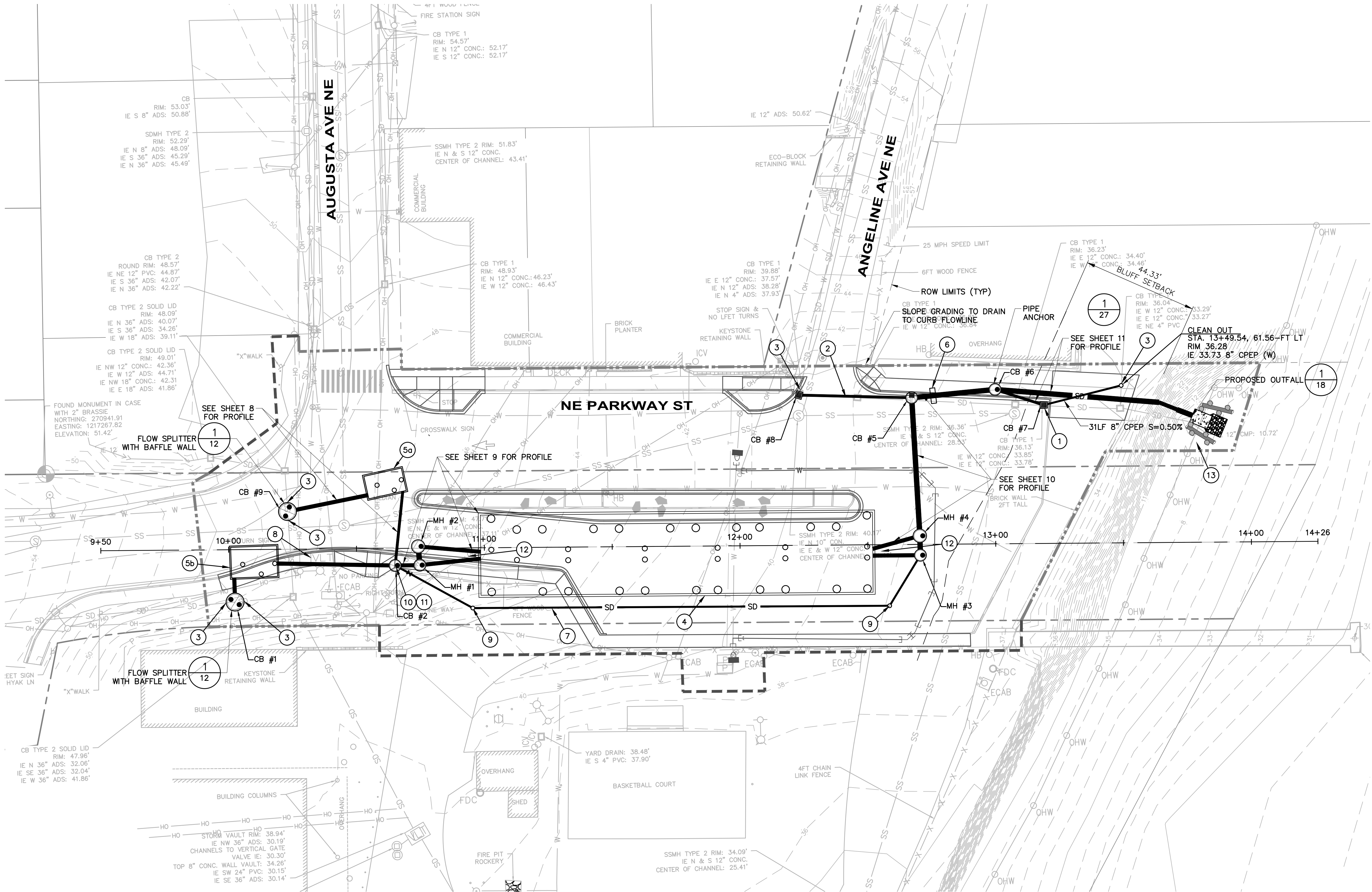


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**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT**
TESC PLAN

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: 1"=20' V: N/A	SHEET 6 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\1\10-190052_STRWNTR SITE PLAN.DWG
PLOT TIME: 2/7/2025 2:43 PM
USER NAME: JACOB ROMERO



GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. PIPE TRENCHING BACKFILL PER KITSAP COUNTY STANDARD FIG 7-1. PIPE BEDDING PER WSDOT STD DETAIL B55.20-03. SEE SHEET 20 FOR SURFACE RESTORATION.

CONSTRUCTION NOTES:

1. REPLACE EXISTING STRUCTURE.
2. SLOPE TO DRAIN ACROSS ROADWAY.
3. CONNECT TO EXISTING STORM DRAIN.
4. WQ TREATMENT VAULT, SEE SHEETS 14 AND 15.
5. a. PRETREATMENT UNIT, SEE SHEET 16.
b. PRETREATMENT UNIT, SEE SHEET 17.
6. INSTALL CONCRETE CUTOFF WALL AT A DISTANCE OF 5 FT FROM CB #5. CONCRETE CUTOFF SHALL EXTEND 12" BEYOND TRENCH LIMITS OF PIPE ZONE BEDDING, BOTH HORIZONTALLY AND VERTICALLY PER KITSAP COUNTY DETAIL PD-3.
7. INSTALL BYPASS SYSTEM FOR BASEFLOW COMPRISING OF 8-IN PVC PIPE AND A BUTTERFLY VALVE. MINIMUM 2% SLOPE FROM INVERT ELEVATION SHOWN IN CB #2 TO MH #3. BYPASS PIPE SHALL BE INSTALLED PARALLEL ALONG LENGTH OF VAULT WITH 3FT MIN. CLEARANCE.
8. EXISTING COMMUNICATION VAULT TO BE RELOCATED BY CONTRACTOR AFTER COORDINATION WITH UTILITY PROVIDER.
9. CLEANOUT PER KITSAP COUNTY DETAIL PD-12 WITH COVER.
10. POSITION LID TO BE OUTSIDE OF CURB RAMP AS SHOWN ON SHEET 21.
11. ROTATE TO PROVIDE 3-IN MIN CLEAR FROM LID TO EDGE OF SIDEWALK.
12. BACKFILL TRENCH TO TOP OF PIPE WITH CDF WHEN SEPARATION BETWEEN PIPES IS LESS THAN 3-FT.
13. THE CONTRACTOR SHALL MARK THE SURVEYED OHW IN THE FIELD WITHIN THE PROJECT LIMITS AND FOLLOW WORK ACCESS RESTRICTIONS PER THE HYDRAULIC PROJECT APPROVAL (HPA). IF A BEACH SURVEY BY A BIOLOGIST IS REQUIRED, IT WILL BE PROVIDED BY THE OWNER. CONTRACTOR MUST COORDINATE TIMELINE FOR BEACH SURVEY AND PROVIDE NOTIFICATION TO THE OWNER AT LEAST 20 BUSINESS DAYS IN ADVANCE.

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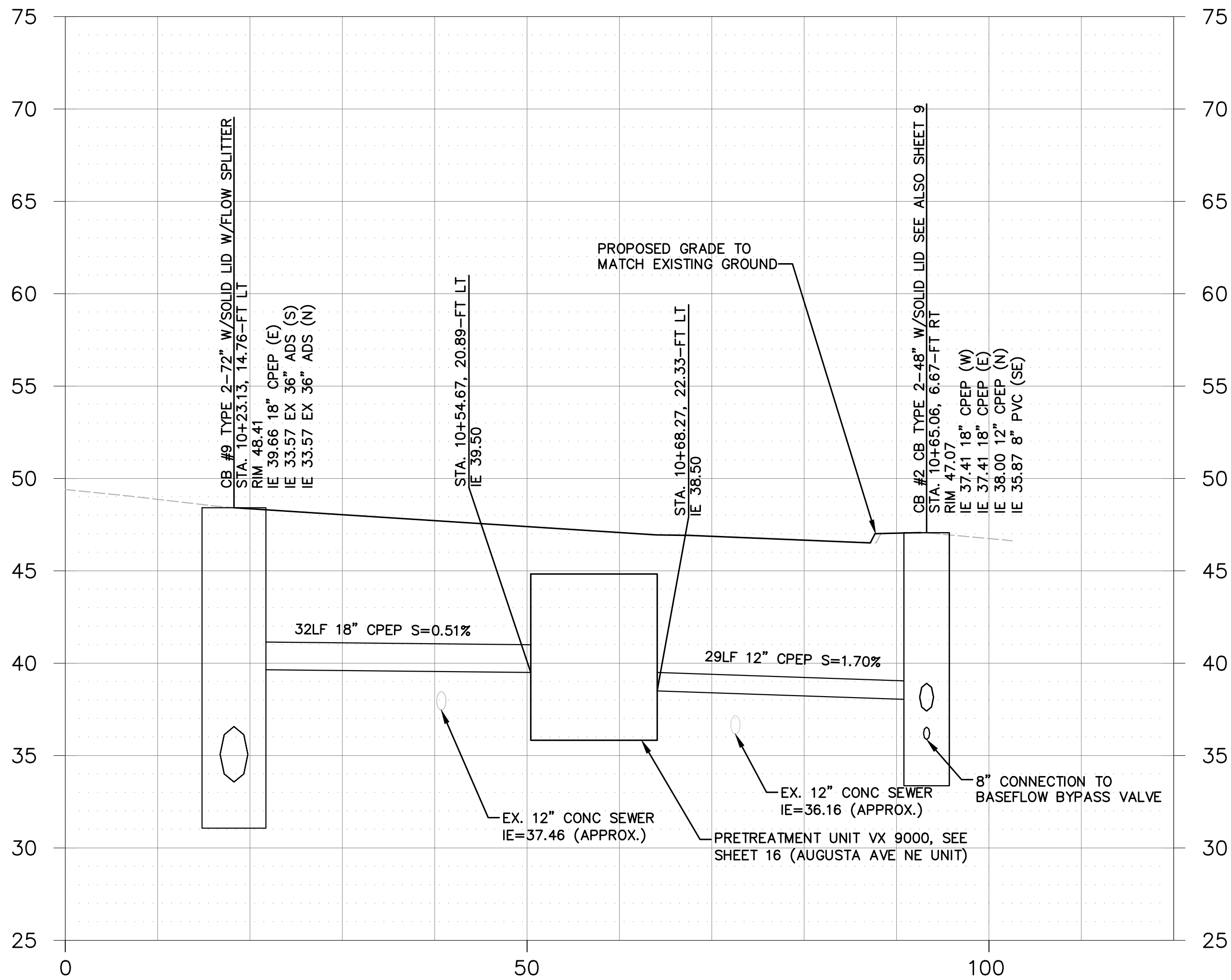
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**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT**
STORMWATER SITE PLAN

JOB# / DWG
10-190052
SCALE
H: 1"=20' V: N/A
DATE
FEB 2025
SHEET
7 of 28



FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CADD\SHEETS\P_10-190052_PLAN AND PROF.DWG
PLOT TIME: 2/7/2025 2:00 PM
USER NAME: JACOB ROMERO



GENERAL NOTES:

1. PROFILE SHOWN ALONG PIPE CENTER LINE. ALL DRAINAGE STRUCTURES ARE LOCATED BY STATION AND OFFSET TO THE CENTER OF THE STRUCTURE. RIM ELEVATIONS ARE PROVIDED AT THE CENTER OF THE STRUCTURE. STATION AND OFFSET REFERENCE TO CONSTRUCTION ALIGNMENT.
2. FOR DETAILS ON THE FLOW SPLITTER DESIGN, SEE SHEET 12.

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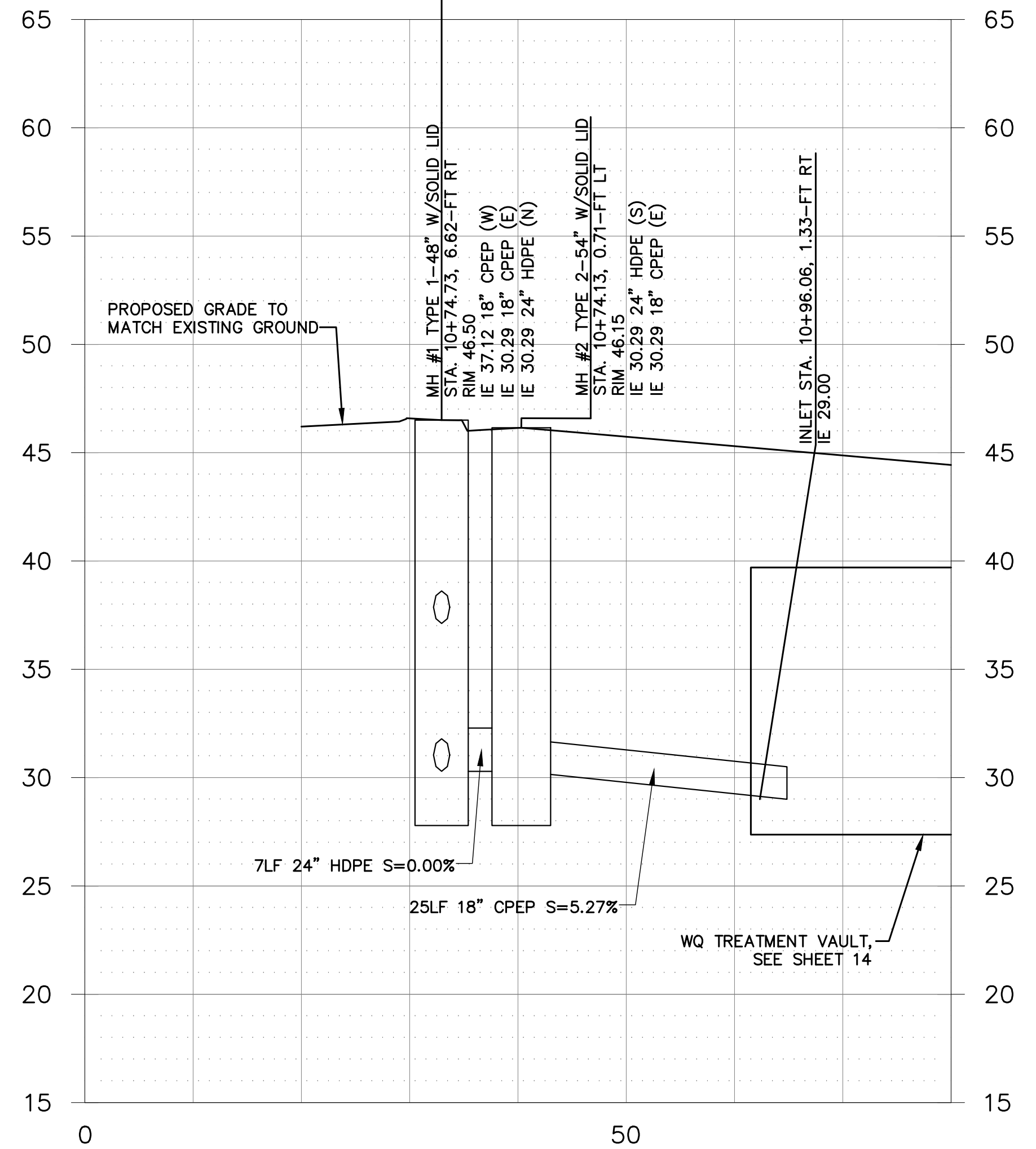
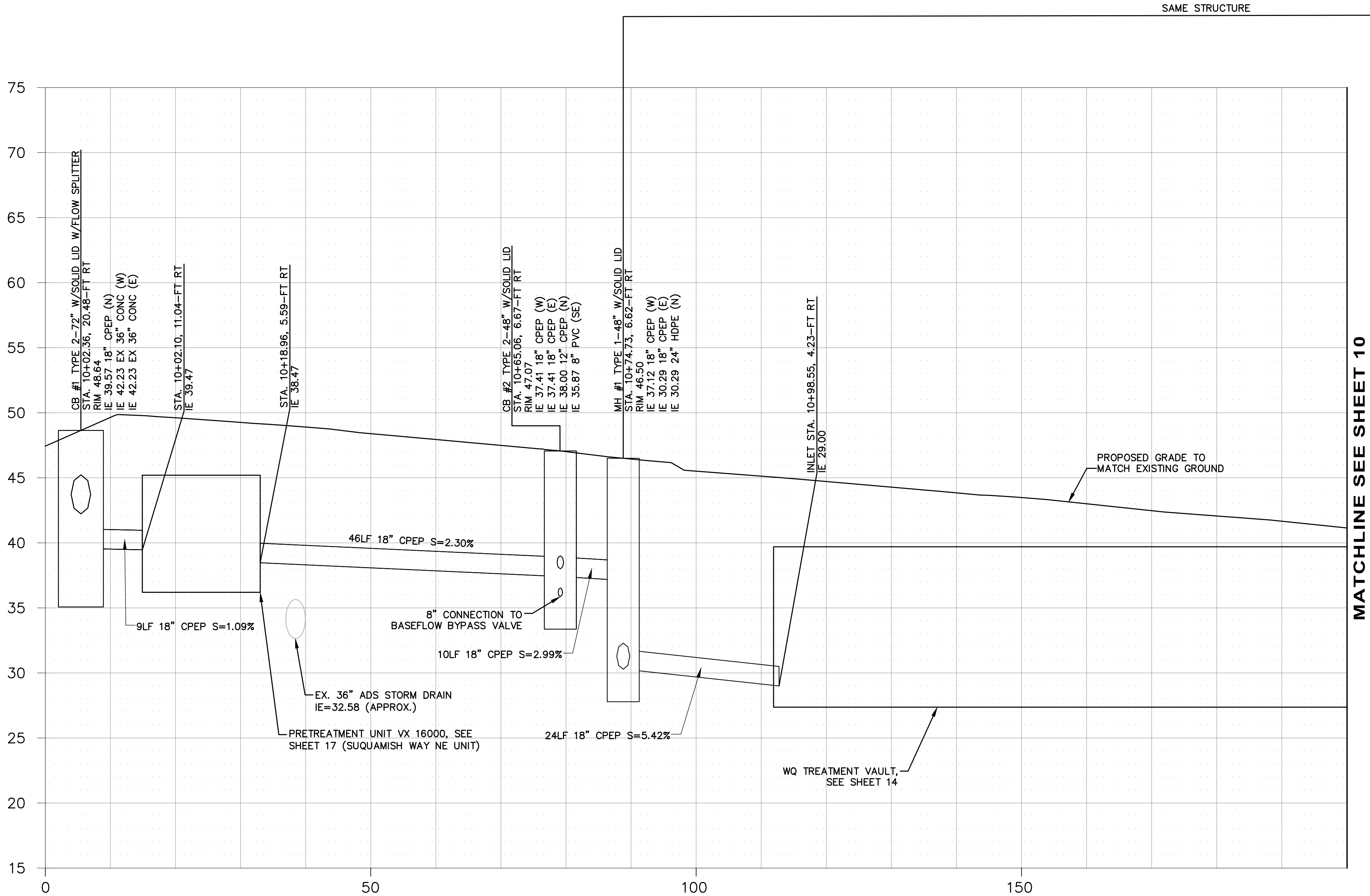
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SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
STORMWATER PROFILE - 1

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: 1"=10' V: 1"=5'	SHEET 8 of 28



FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CADD\SHEETS\P_10-190052_PLAN AND PROF.DWG
PLOT TIME: 2/7/2025 2:01 PM
USER NAME: JACOB ROMERO



GENERAL NOTES:

1. PROFILE SHOWN ALONG PIPE CENTER LINE. ALL DRAINAGE STRUCTURES ARE LOCATED BY STATION AND OFFSET TO THE CENTER OF THE STRUCTURE. RIM ELEVATIONS ARE PROVIDED AT THE CENTER OF THE STRUCTURE. STATION AND OFFSET REFERENCE TO CONSTRUCTION ALIGNMENT.
2. FOR DETAILS ON THE FLOW SPLITTER DESIGN, SEE SHEET 12.

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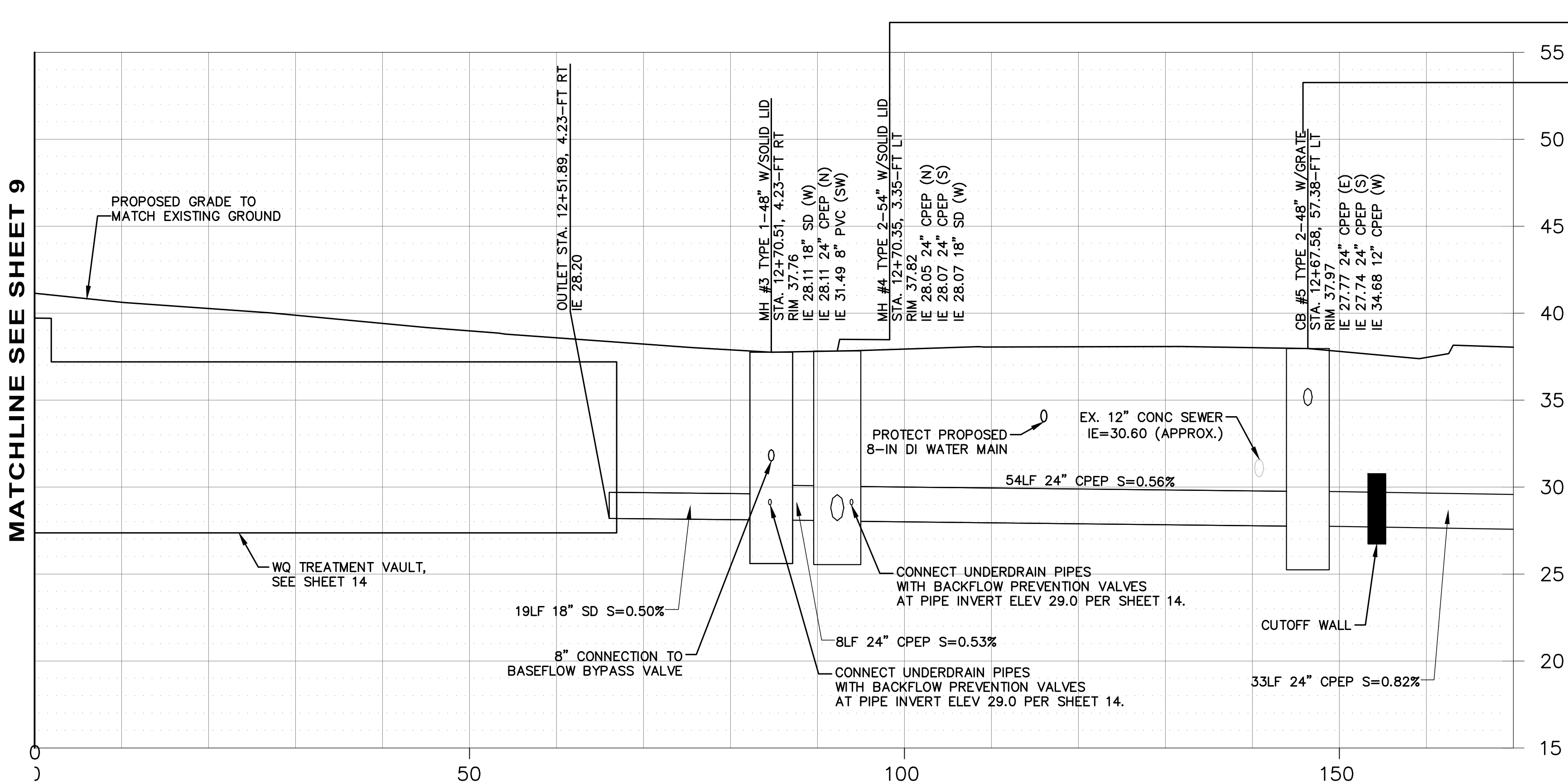
**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT**
STORMWATER PROFILE - 2

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: 1"=10' V: 1"=5'	SHEET 9 of 28



FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\3 SHEETS\10-190052_PLAN AND PROF.DWG
PLOT TIME: 2/7/2025 2:02 PM
USER NAME: JACOB ROMERO

MATCHLINE SEE SHEET 9

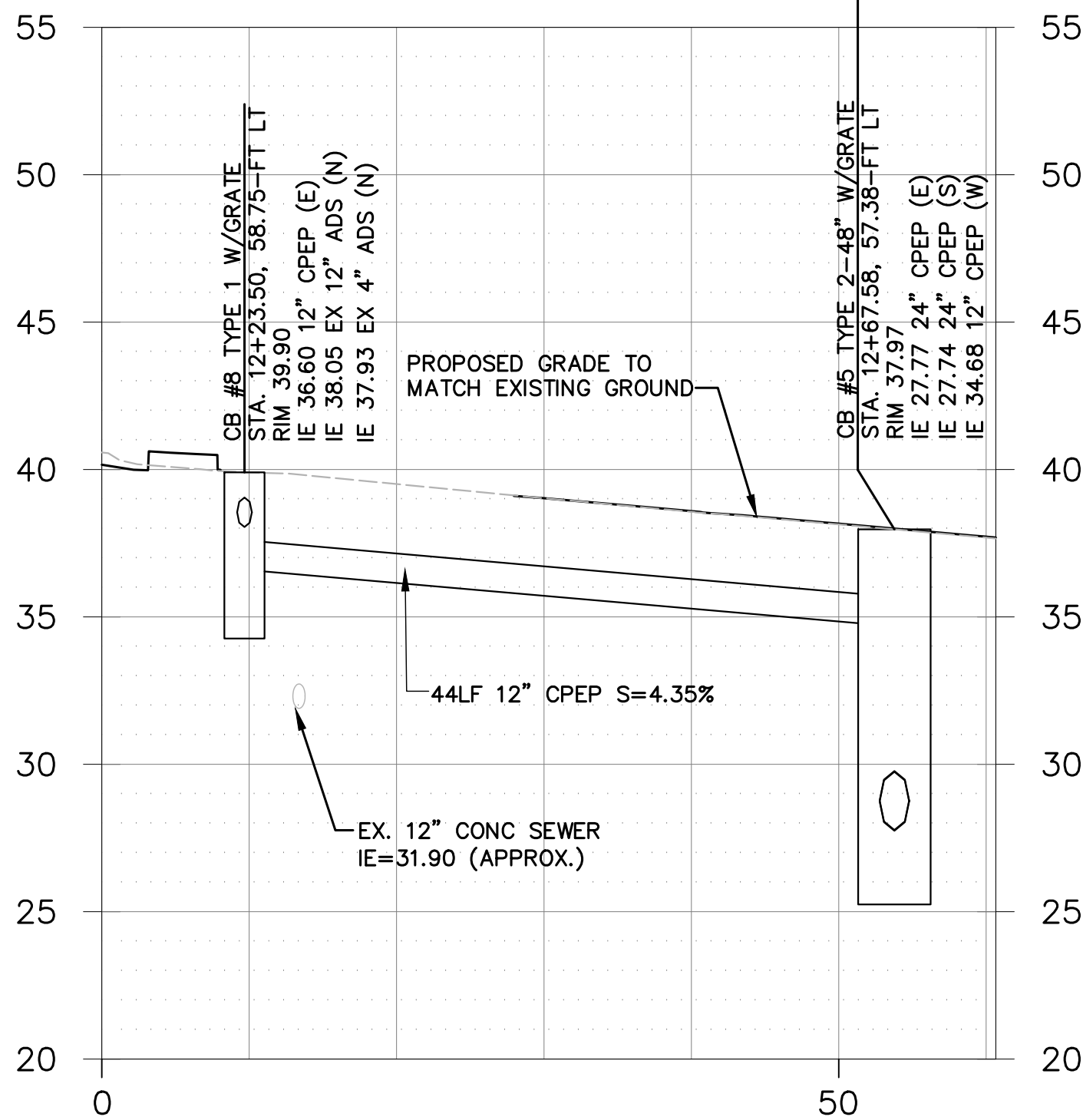
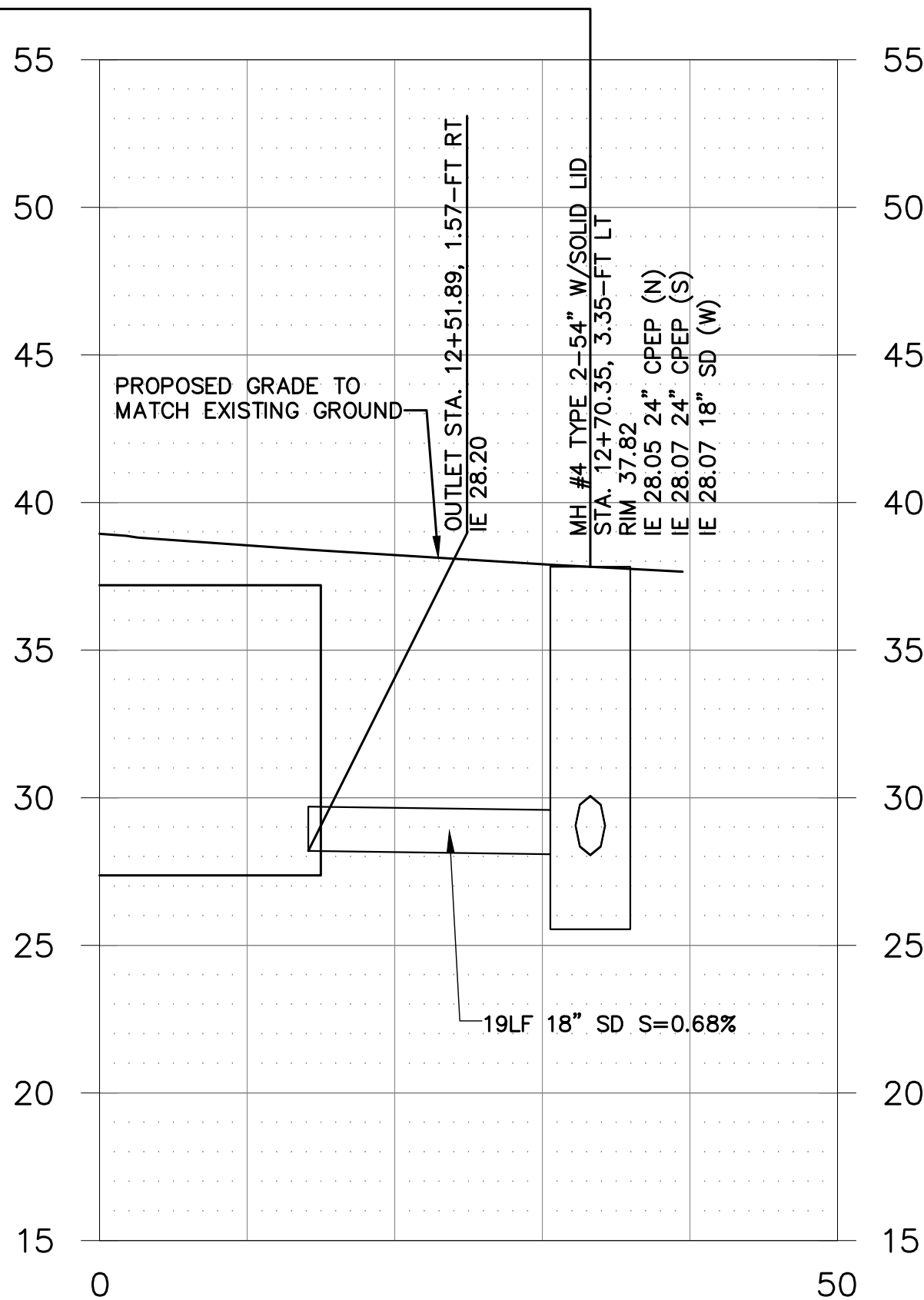


SAME STRUCTURE

SAME STRUCTURE

GENERAL NOTES:

1. PROFILE SHOWN ALONG PIPE CENTER LINE. ALL DRAINAGE STRUCTURES ARE LOCATED BY STATION AND OFFSET TO THE CENTER OF THE STRUCTURE. RIM ELEVATIONS ARE PROVIDED AT THE CENTER OF THE STRUCTURE. STATION AND OFFSET REFERENCE TO CONSTRUCTION ALIGNMENT.



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**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT**
STORMWATER PROFILE - 3

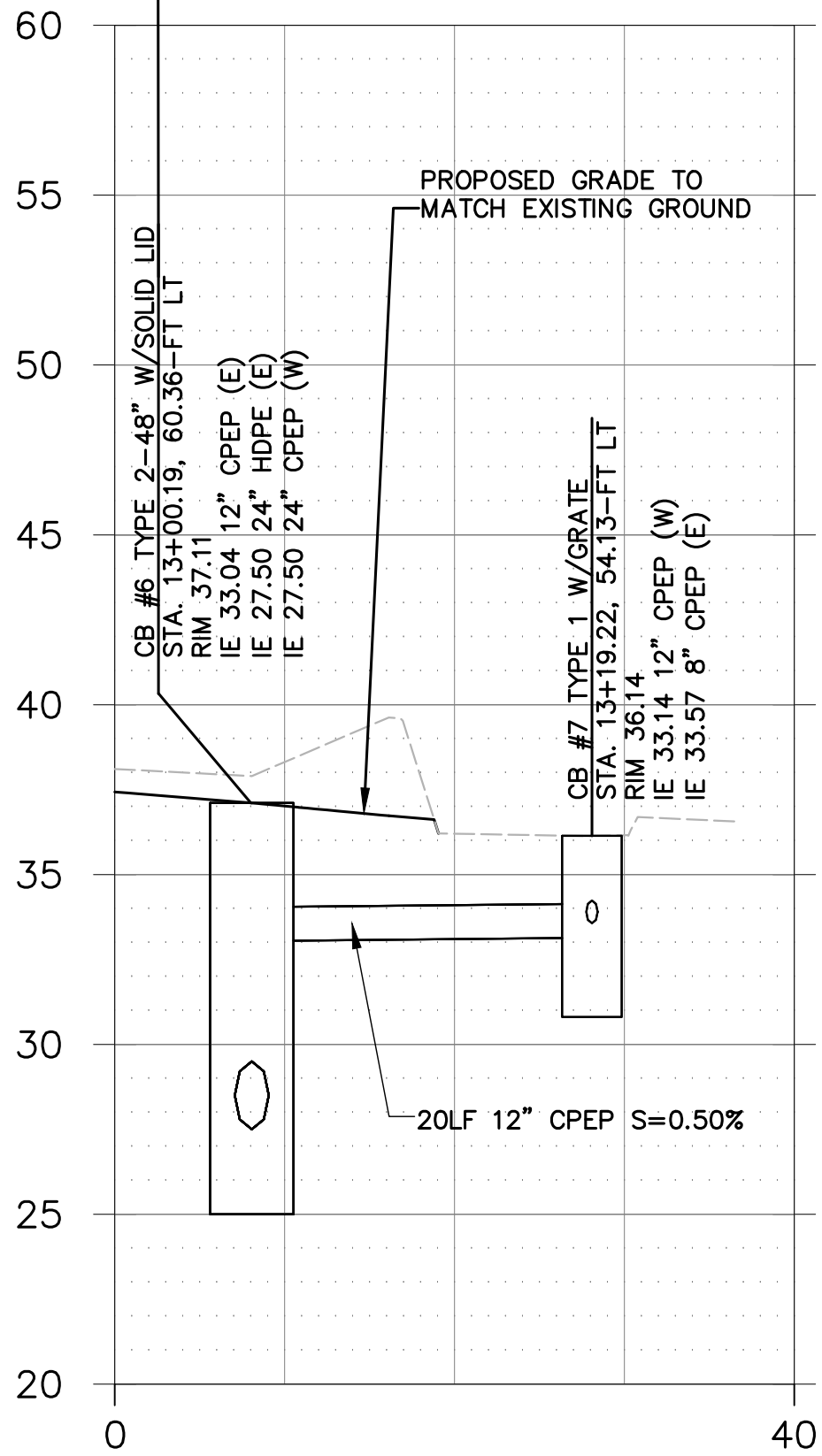
JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: 1"=10' V: 1"=5'	SHEET 10 of 28

FILE NAME: P:\10-190052 KITSAS
PLOT TIME: 2/7/2025 2:03 PM
USER NAME: JACOB ROMERO



GENERAL NOTES:

1. PROFILE SHOWN ALONG PIPE CENTER LINE. ALL DRAINAGE STRUCTURES ARE LOCATED BY STATION AND OFFSET TO THE CENTER OF THE STRUCTURE. RIM ELEVATIONS ARE PROVIDED AT THE CENTER OF THE STRUCTURE. STATION AND OFFSET REFERENCE TO CONSTRUCTION ALIGNMENT.
2. CONTRACTOR TO CONFIRM BEND ANGLES AND LENGTHS FOR DI PIPE PRIOR TO CONSTRUCTION.
3. HDPE PIPE SHALL BE FUSED—WELDED DR21.



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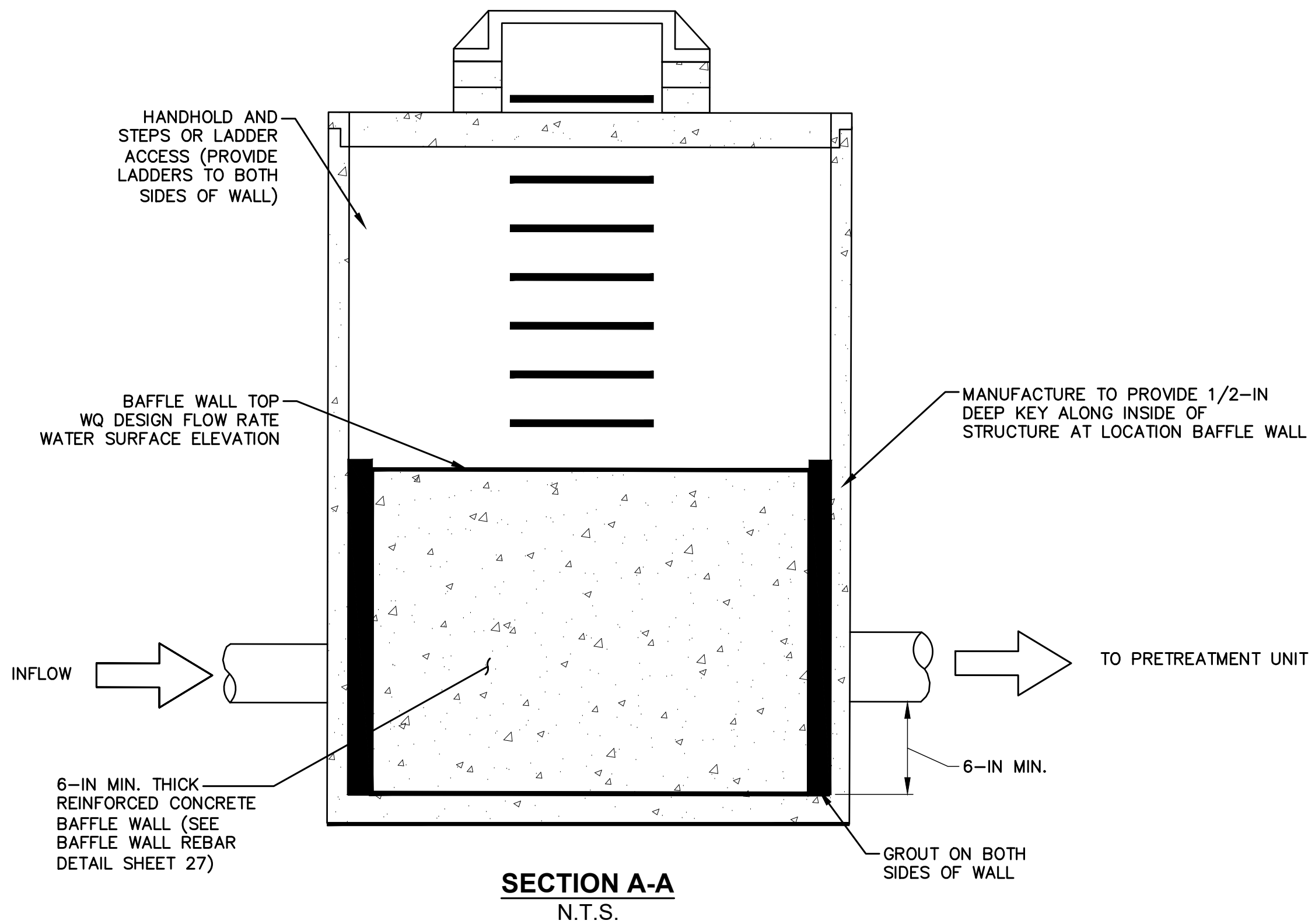
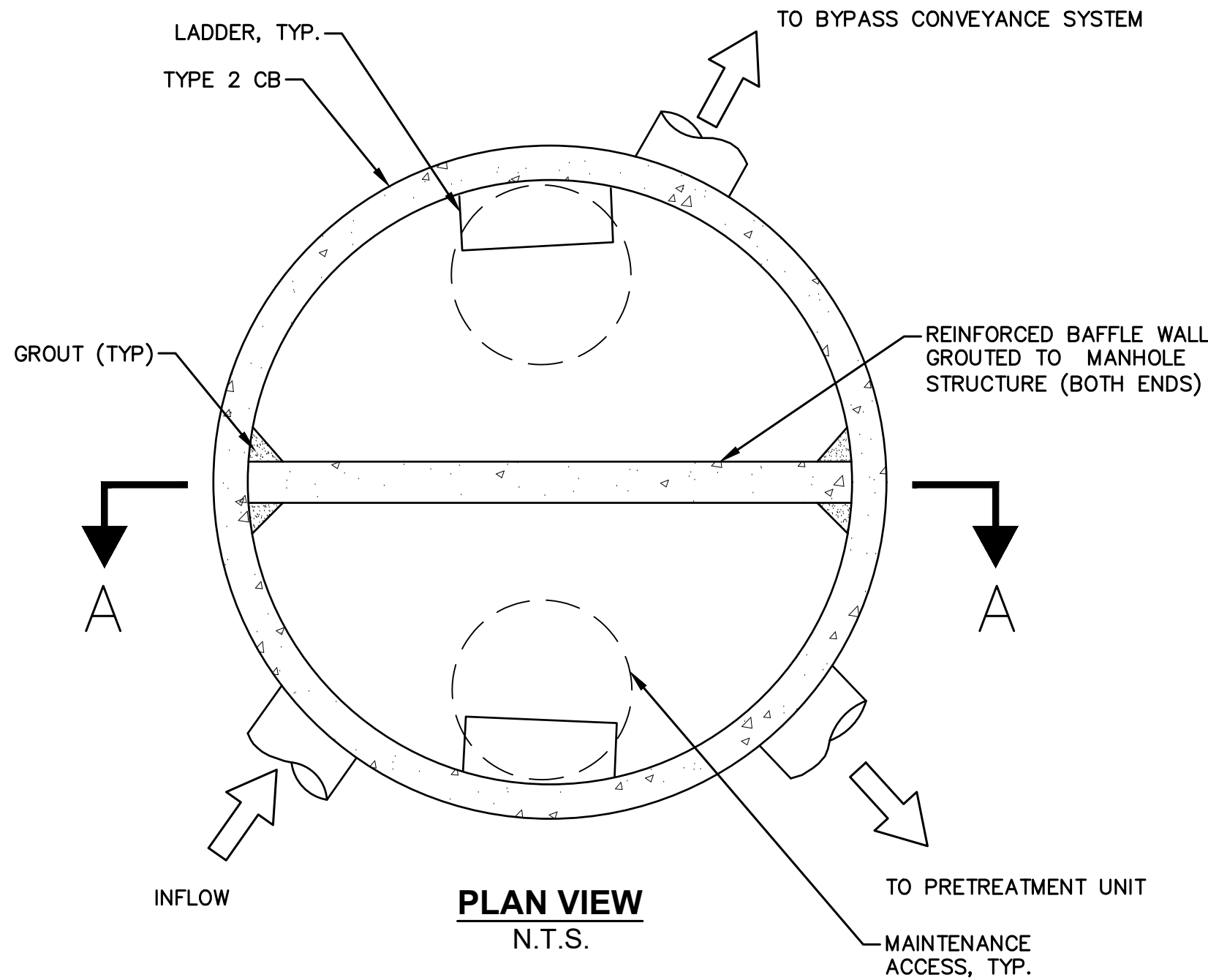
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**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
STORMWATER PROFILE - 4**

JOB# / DWG	10-190052
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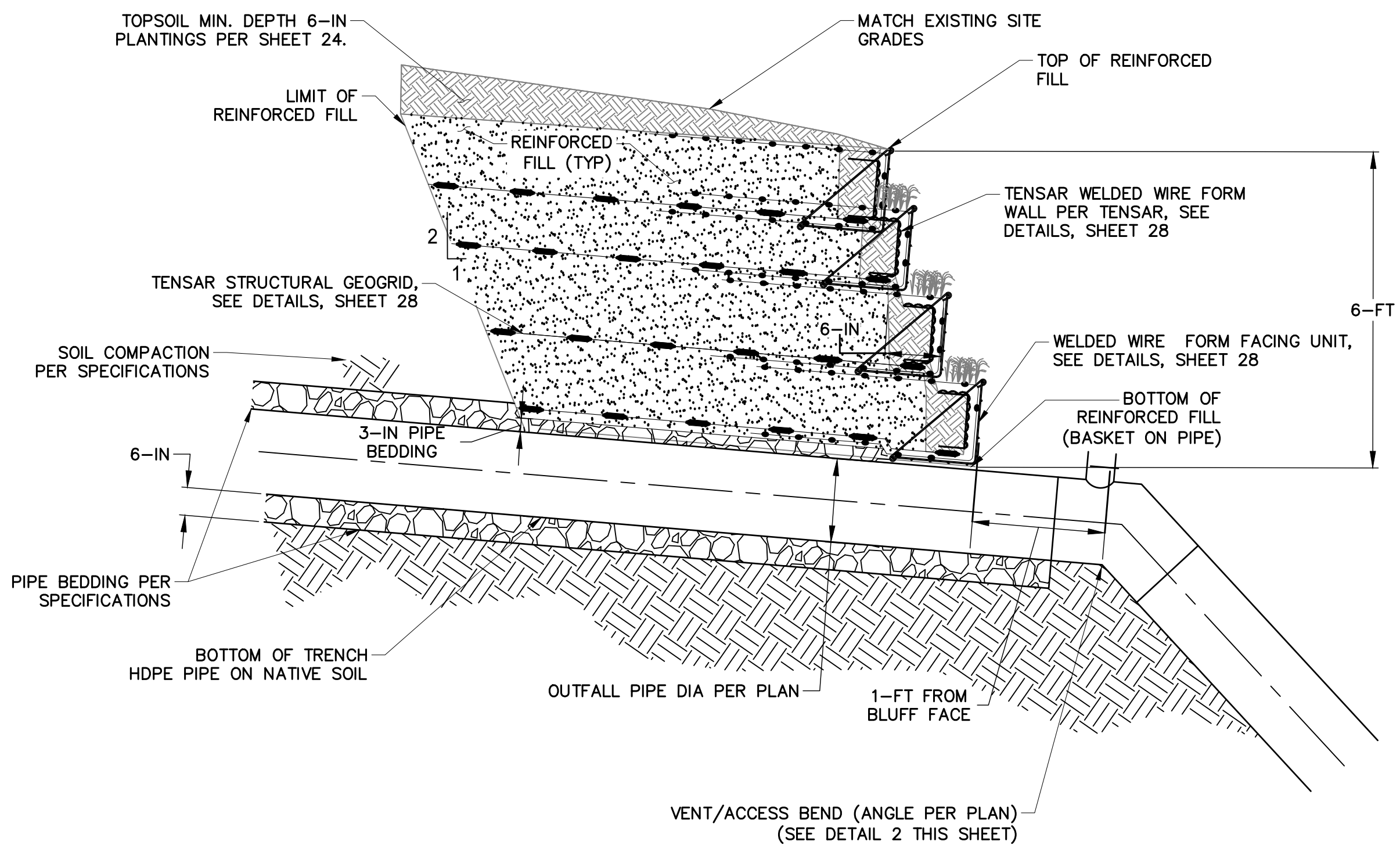
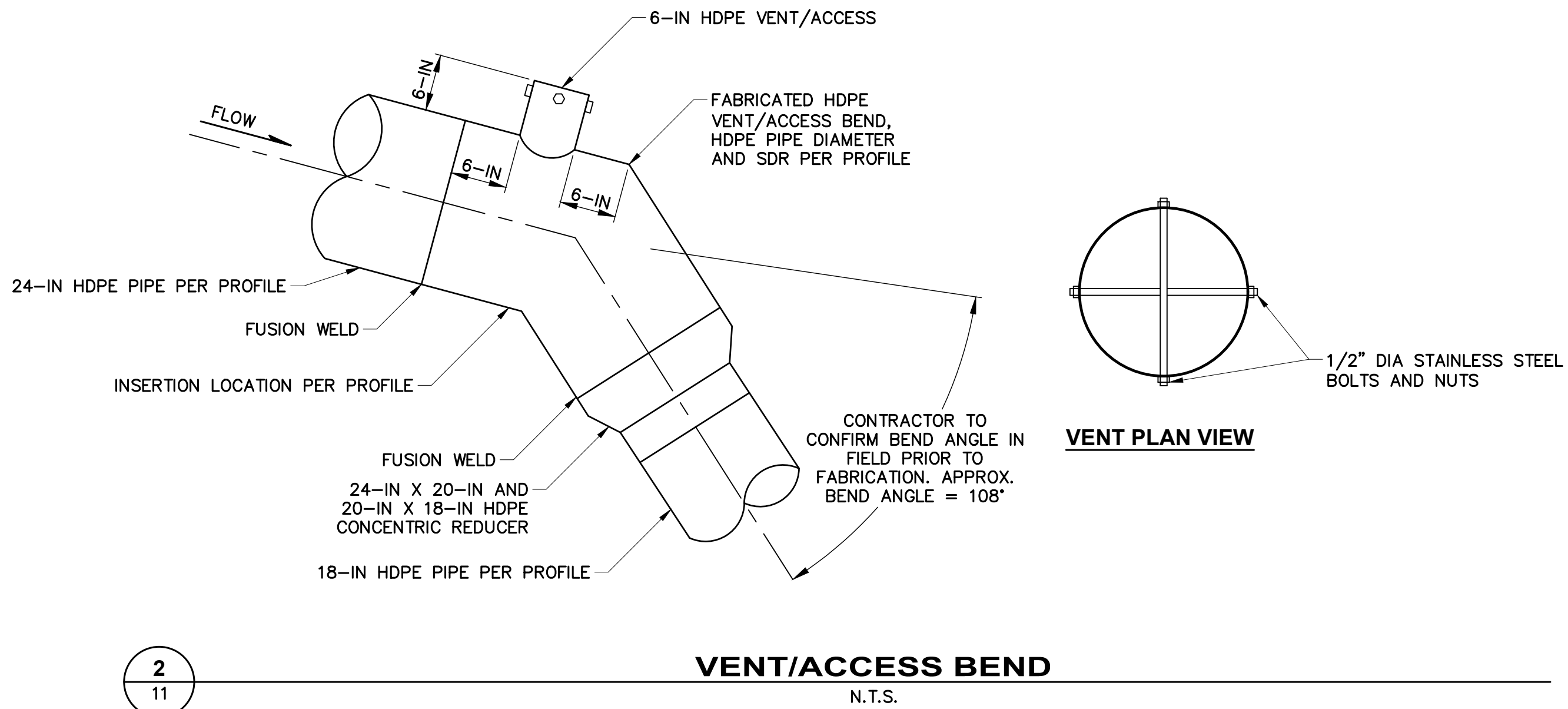
DATE
FEB 2025
SHEET
11 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\DWG\DETAILS\10-190052_STORM DETAILS.DWG
PLOT TIME: 2/7/2025 10:58 AM
USER NAME: JACOB ROMERO



STRUCTURE ID	RIM	BAFFLE WALL TOP	INFLOW PIPE DIRECTION
CB# 1	48.64	44.19	FROM WEST
CB# 9	48.41	43.30	FROM NORTH

1
7
FLOW SPLITTER WITH BAFFLE WALL
N.T.S.



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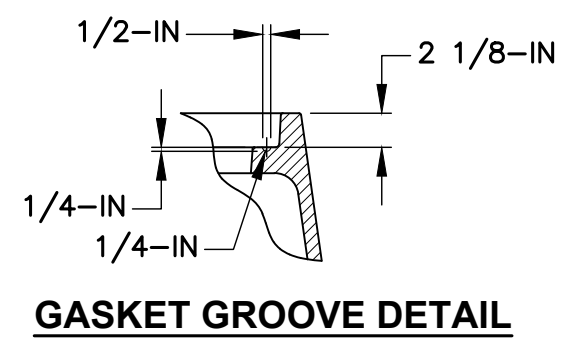
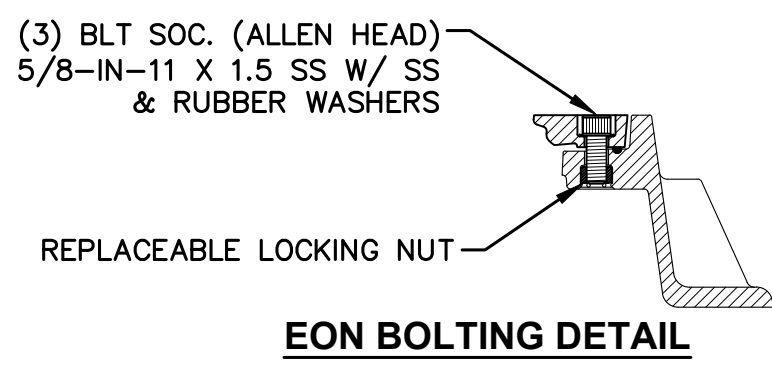
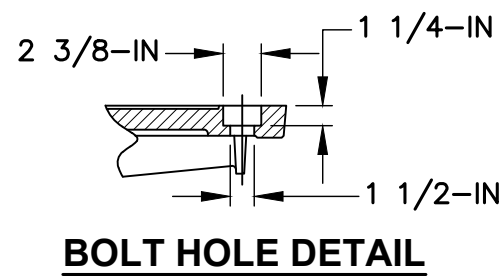
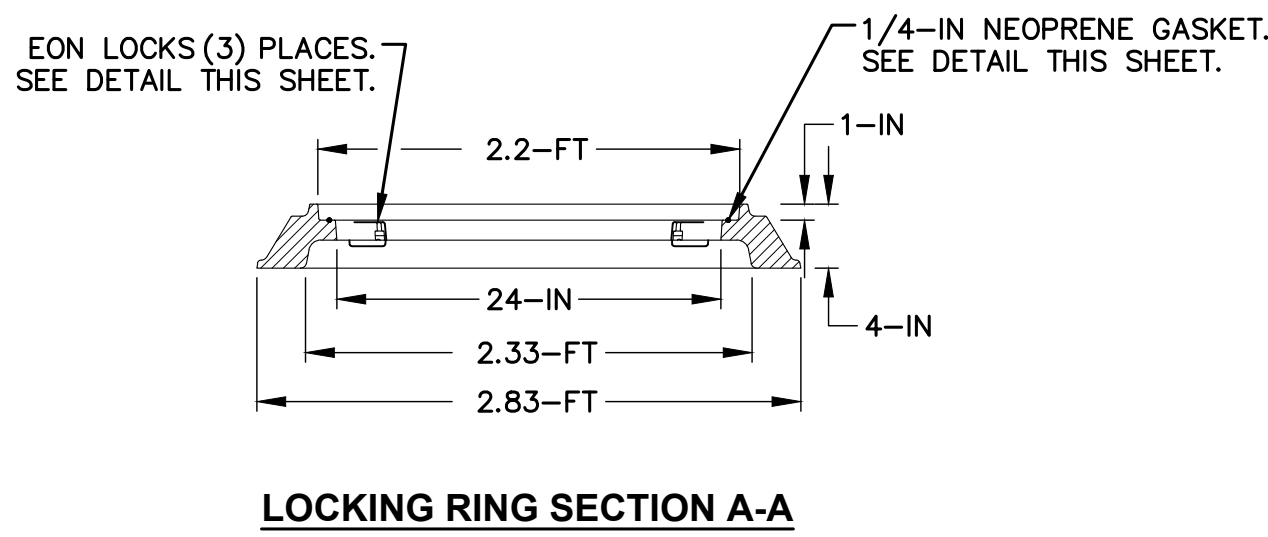
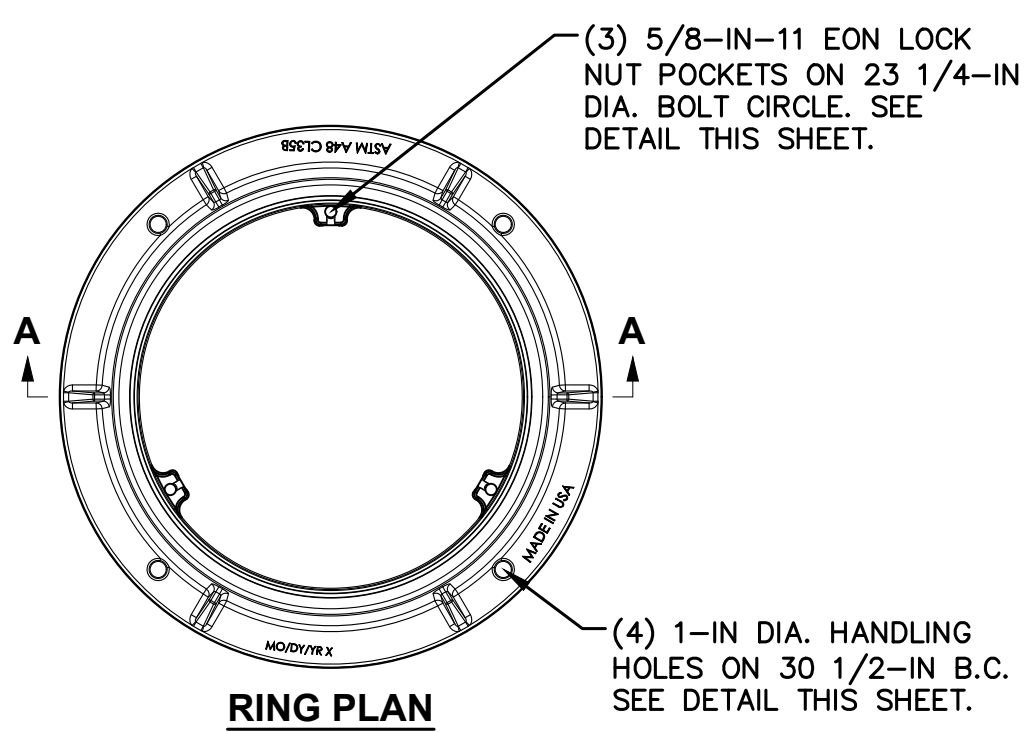
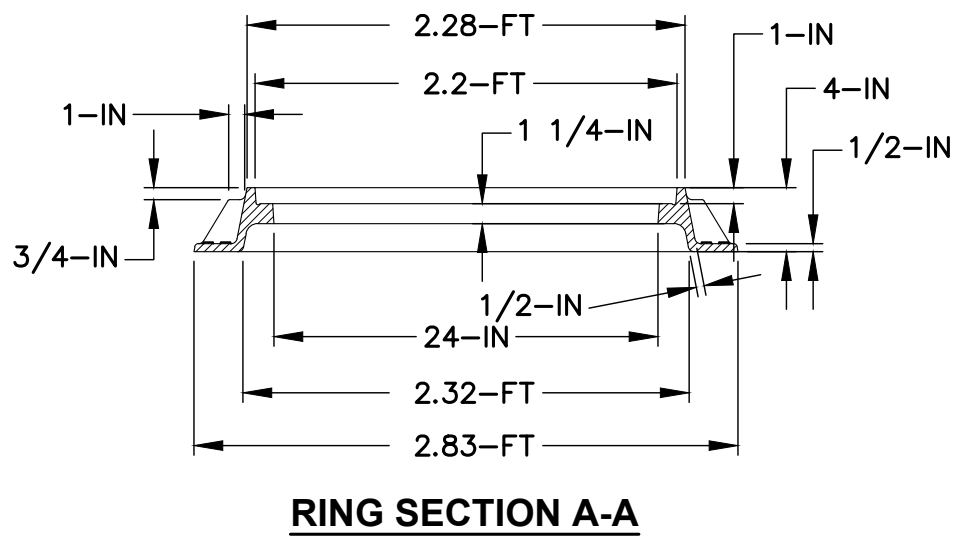
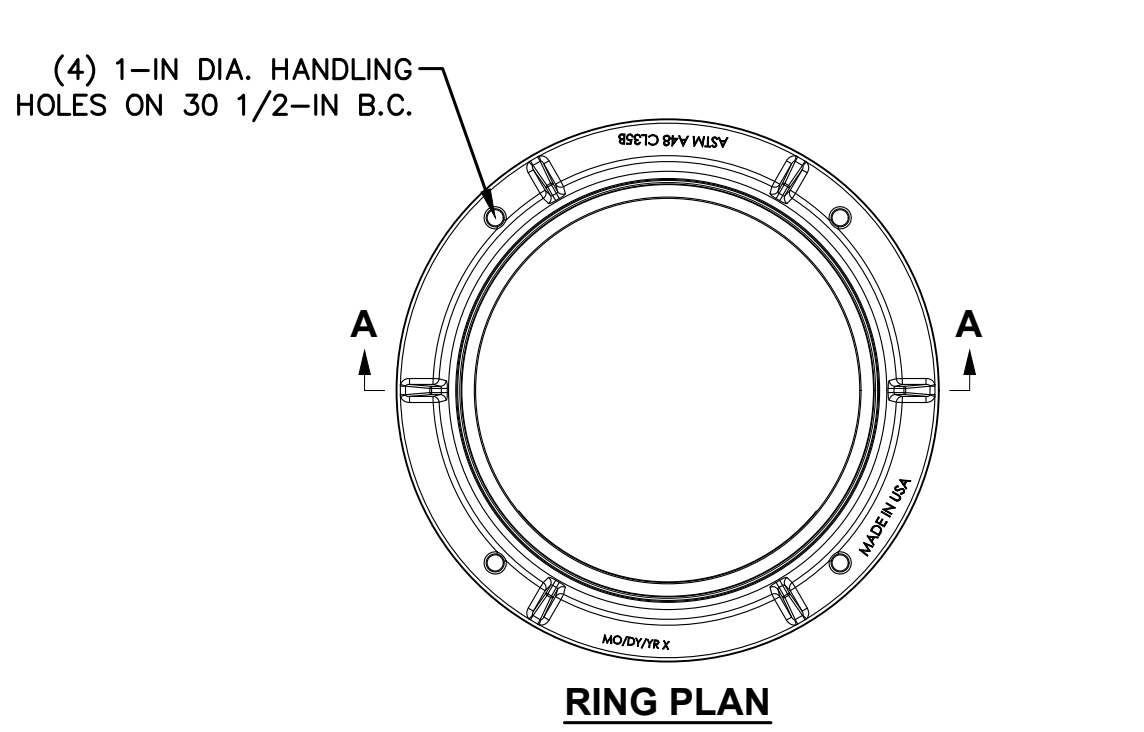


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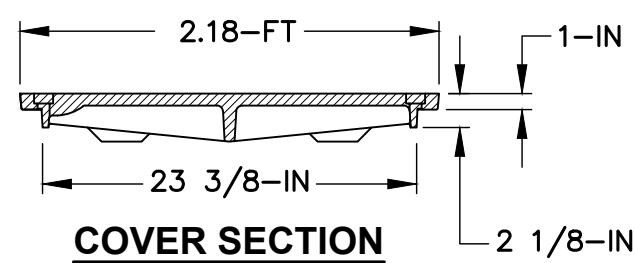
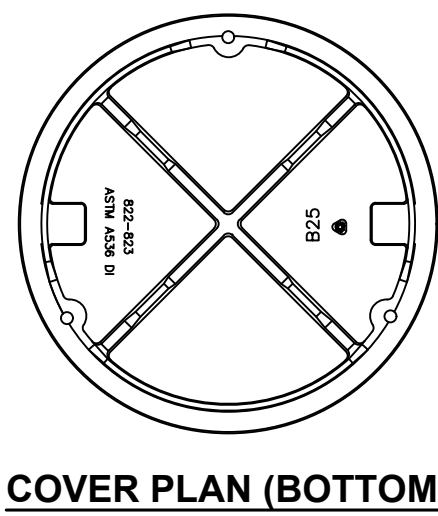
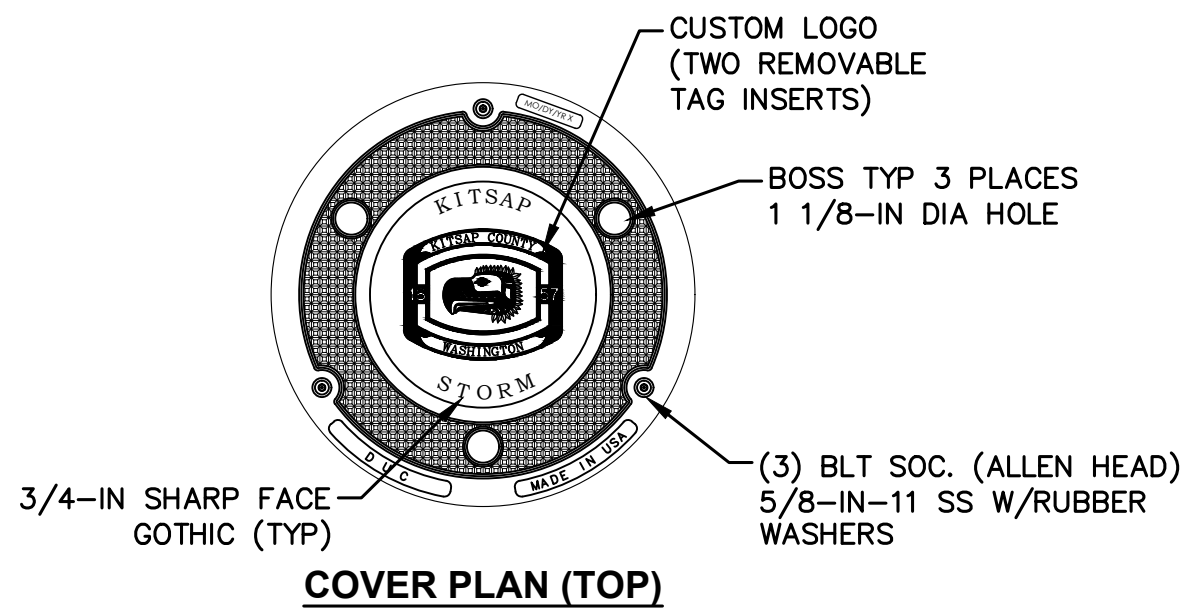
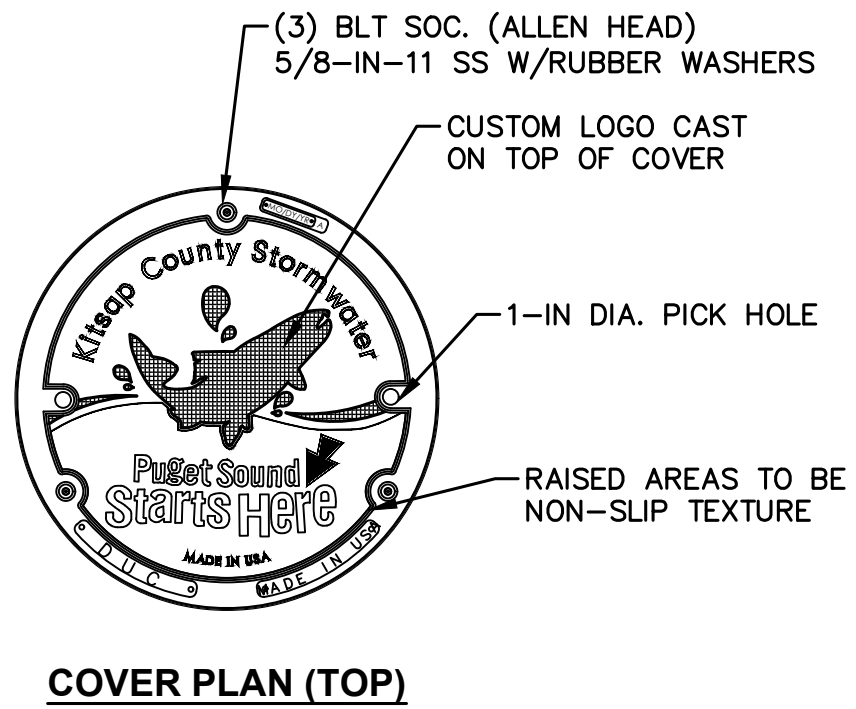
SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
DRAINAGE DETAILS - 1

JOB# / DWG	10-190052	DATE	FEB 2025
SCALE	H: N/A V: N/A	SHEET	12 of 28

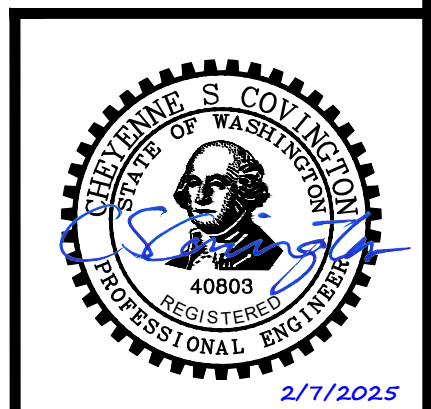
FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CADD\SHEETS\10-190052_STORM DETAILS.DWG
PLOT TIME: 2/7/2025 10:58 AM
USER NAME: JACOB ROMERO

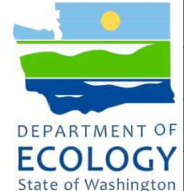



NOTE:
LOCKING RING SECTIONS SHALL BE USED AT THE FOLLOWING:
MANHOLE 3 AND 4 AND CATCH BASIN 5. CATCH BASIN 6
SHALL INCLUDE "PUGET SOUND STARTS HERE" OTHER CATCH
BASIN SOLID LIDS SHALL BE "KITSAP STORM." PRETREATMENT
AND VAULT LIDS SHALL BE PER MANUFACTURER.

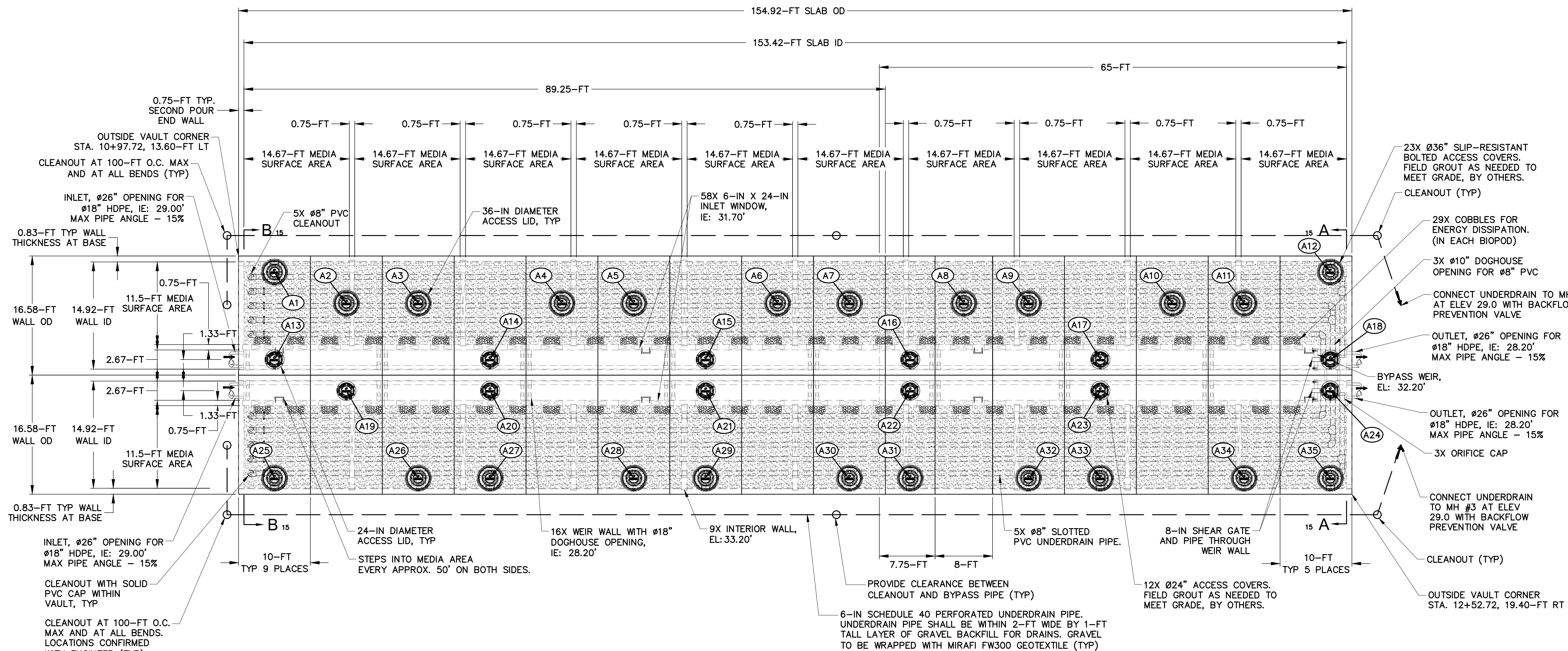


1 KITSAP COUNTY CIRCULAR FRAME AND COVERS
N.T.S.

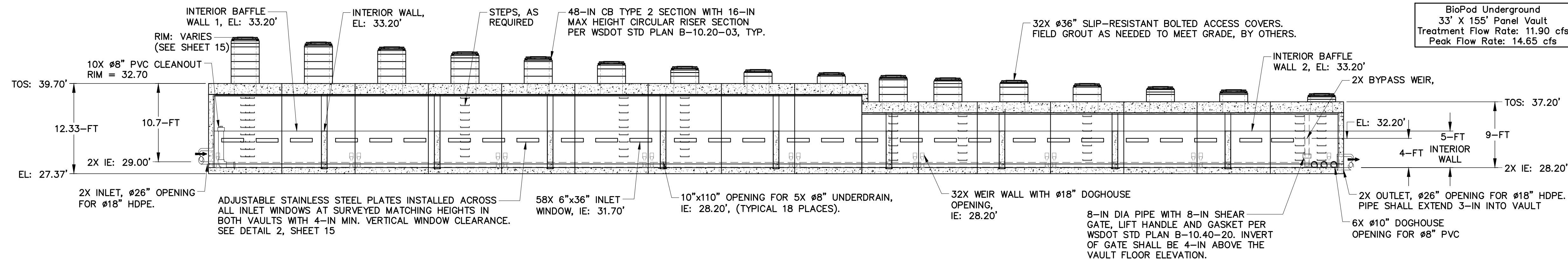


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DRAWN BY JAR										SCALE	SHEET
CHECKED BY CSC										H: N/A v: N/A	13 of 28

FILE NAME: P:\10-190052 KITSAB
PLOT TIME: 2/7/2025 11:01 AM
USER NAME: JACOB ROMERO



PLAN VIEW



ELEVATION VIEW

WQ TREATMENT VAULT

N.T.S.

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**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
WQ TREATMENT VAULT DETAILS - 1**

JOB# / DWG	10-190052
SCALE	
H: N/A	v: N/A

DATE
FEB 2025
SHEET
14 of 28



- ### GENERAL NOTES:
1. DESIGN LOADINGS:
 - A. AASHTO HS-20-44 W/ IMPACT.
 - B. DESIGN FILL: 4-IN MIN TO 7-FT MAX.
 - C. ASSUMED WATER TABLE = BELOW INVERT.
 - D. DRY LATERAL EARTH PRESSURE (EPP) = 60 PCF.
 - E. LATERAL LIVE LOAD SURCHARGE = 80 PSF (APPLIED TO 8' BELOW GRADE).
 - F. NO LATERAL SURCHARGE FROM ADJACENT BUILDINGS, WALLS, PIERS, OR FOUNDATIONS.
 2. CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 5,000 PSI MINIMUM.
 3. STEEL REINFORCEMENT: REBAR, ASTM A-615 OR A-706, GRADE 60.
 4. MESH REINFORCEMENT: ASTM A-1064, S1.2, GRADE 80.
 5. CEMENT: ASTM C-150 SPECIFICATION.
 6. REFERENCE STANDARD:
 - A. ASTM C 890
 - B. ASTM C 913
 - ACI 318-14
 7. FINAL STRUCTURE DESIGN WITH STRUCTURAL AND HYDRAULIC CALCULATIONS TO BE PROVIDED BY MANUFACTURER WITH SHOP DRAWING FOR ENGINEER APPROVAL PRIOR TO ORDERING VAULT. INTERNAL COMPONENTS SIZES MAY VARY PER SHOP DRAWING APPROVAL.
 8. CONTRACTOR RESPONSIBLE FOR OFF-LOAD AND INSTALLATION. MANUFACTURER REPRESENTATIVE TO BE ON SITE TO OVERSEE THE INSTALLATION OF ALL INTERNAL COMPONENTS.
 9. OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPE MUST BE CONCENTRIC TO PIPE. AFTER PIPES ARE INSTALLED, ALL ANNULAR SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS. PIPES ARE TO BE FLUSH WITH THE INSIDE SURFACE OF THE CONCRETE STRUCTURE.
 10. CONTRACTOR RESPONSIBLE TO VERIFY ALL SIZES, LOCATIONS AND ELEVATIONS OF OPENINGS.
 11. CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE BEARING SURFACE IS PROVIDED (I.E. COMPACTED AND LEVEL PER PROJECT SPECIFICATIONS).
 12. SECTION HEIGHTS, SLAB/WALL THICKNESSES AND KEYWAYS ARE SUBJECT TO CHANGE DUE TO AVAILABILITY AND PRODUCTION PLANT CAPABILITY.
 13. MAXIMUM PICK WEIGHT = 50,000 LBS.
 14. CLEANOUT PER KITSAP COUNTY DETAIL PD-12.
 15. TRENCH EXCAVATION PAY LIMITS FOR VAULT BASED ON 1:1 LAY BACK SLOPE PER GEOTECHNICAL REPORT.
 16. BACKFILL FOR VAULT SHALL BE GRAVEL BACKFILL FOR WALL PER 9-03.12(2).
 17. VAULT LAYOUT FOR BIDDING ONLY. FINAL SHOP PLANS TO BE APPROVED BY ENGINEER PER SPECIFICATIONS.
 18. ALL ACCESS LOCATIONS SHALL INCLUDE LADDER OR STEPS FROM LID TO THE BOTTOM OF THE VAULT. ACCESS PER WISHA/DOSH AND WSDOT REQUIREMENTS.
 19. INTERNALS SHALL CONSIST OF UNDERDRAIN PIPE, GRAVEL UNDER MEDIA, MEDIA, MULCH, DIVIDER WALLS, BAFFLE WALLS, BYPASS WEIR.
 20. SYSTEM SHIPPED EMPTY, INTERNALS TO BE INSTALLED BY CONTRACTOR.
 21. CONTRACTOR TO INSTALL GASKET AT TOP, BOTTOM AND BETWEEN ALL WALLS AND GROUT ALL SEAMS AND WALL CONNECTIONS PRIOR TO BACKFILLING. GROUT TO BE NON-SHRINK 5,000 PSI MIN.

1. FOR PLAN VIEW ACCESS LOCATIONS
SEE SHEET 14.

29X 6"x36" INLET WINDOW, IE: 31.70'
 ON EACH SIDE OF VAULT
 RIMS PER TABLE, TYP
 0.74'-FT TYP WALL THICKNESS
 INTERIOR Baffle Wall 2, EL: 32.20'
 INTERIOR WALL, EL: 33.20'
 0.74'-FT TYP WALL THICKNESS
 29X COBBLES FOR ENERGY DISSIPATION.
 10"x110" OPENING FOR 5X Ø8" UNDERDRAIN, (TYPICAL 9 PLACES).
 6"x6" HAUNCH, (TYPICAL).
 14.92'-FT WALL ID
 16.58'-FT WALL OD
 0.83'-FT TYP WALL THICKNESS
 OUTLET, Ø26" OPENING FOR Ø18" HDPE, NEARSIDE.
 14.92'-FT WALL ID
 16.58'-FT WALL OD
 0.83'-FT TYP WALL THICKNESS
 18" StormMix™ MEDIA
 CSBC, 6-IN MIN DEPTH FOR WIDTH OF BALLAST. INSTALL LEVEL
 BALLAST, 12-IN MIN. DEPTH EXTENDING 1'-FT MIN BEYOND EDGE OF VAULT, FULLY WRAP IN GEOTEXTILE
 22" GRAVEL
 2" MULCH
 1.5'-FT SLAB
 7.5'-FT
 9.83'-FT
 TOS: 37.20'
 EL: 27.37'
 0.83'-FT SLAB
 TEMPORARY LAYBACK SLOPE AT 1:1 MAX PER OSHA AND GEOTECHNICAL REPORT, TYP
 BYPASS WEIR, EL: 32.20'

The diagram illustrates a cross-section of a vault structure with the following components and dimensions:

- Top Layer:** 1.5'-FT SLAB.
- Access Covers:** 32X Ø36" ACCESS COVERS. FIELD GROUT TO FINAL GRADE, BY CONTRACTOR.
- Interior Wall:** INTERIOR Baffle Wall 1, EL: 32.20'. 0.74'-FT TYP WALL THICKNESS.
- By-pass Weir:** BYPASS WEIR, EL: 32.20'.
- Access Covers:** 12X Ø24" ACCESS COVERS. FIELD GROUT TO FINAL GRADE, BY CONTRACTOR.
- Rims:** RIMS PER TABLE, TYP.
- Interior Wall:** INTERIOR WALL, EL: 33.20'. 0.74'-FT TYP WALL THICKNESS.
- Media Layers:** 18" StormMix™ MEDIA, 2" MULCH, 22" GRAVEL.
- Energy Dissipation:** 29X COBBLES FOR ENERGY DISSIPATION EACH SIDE.
- Underdrain:** 10"x110" OPENING FOR 5X Ø8" UNDERDRAIN, (TYPICAL 9 PLACES).
- Haunch:** 6"x6" HAUNCH, (TYPICAL).
- Slab:** 0.83'-FT SLAB.
- Wall Thickness:** 0.83'-FT TYP WALL THICKNESS.
- Wall Dimensions:** 14.92'-FT WALL ID, 16.58'-FT WALL OD.
- Inlet:** 29X 6"x36" INLET WINDOW, IE: 31.70'. INLET, Ø26" OPENING FOR Ø18" HDPE, NEAR SIDE.
- CSBC:** CSBC, 6-IN MIN DEPTH FOR WIDTH OF BALLAST. INSTALL LEVEL.
- Ballast:** BALLAST, 12-IN MIN. DEPTH EXTENDING 1'-FT MIN BEYOND EDGE OF VAULT, FULLY WRAP IN GEOTEXTILE.
- Slab:** 0.83'-FT TYP WALL THICKNESS.

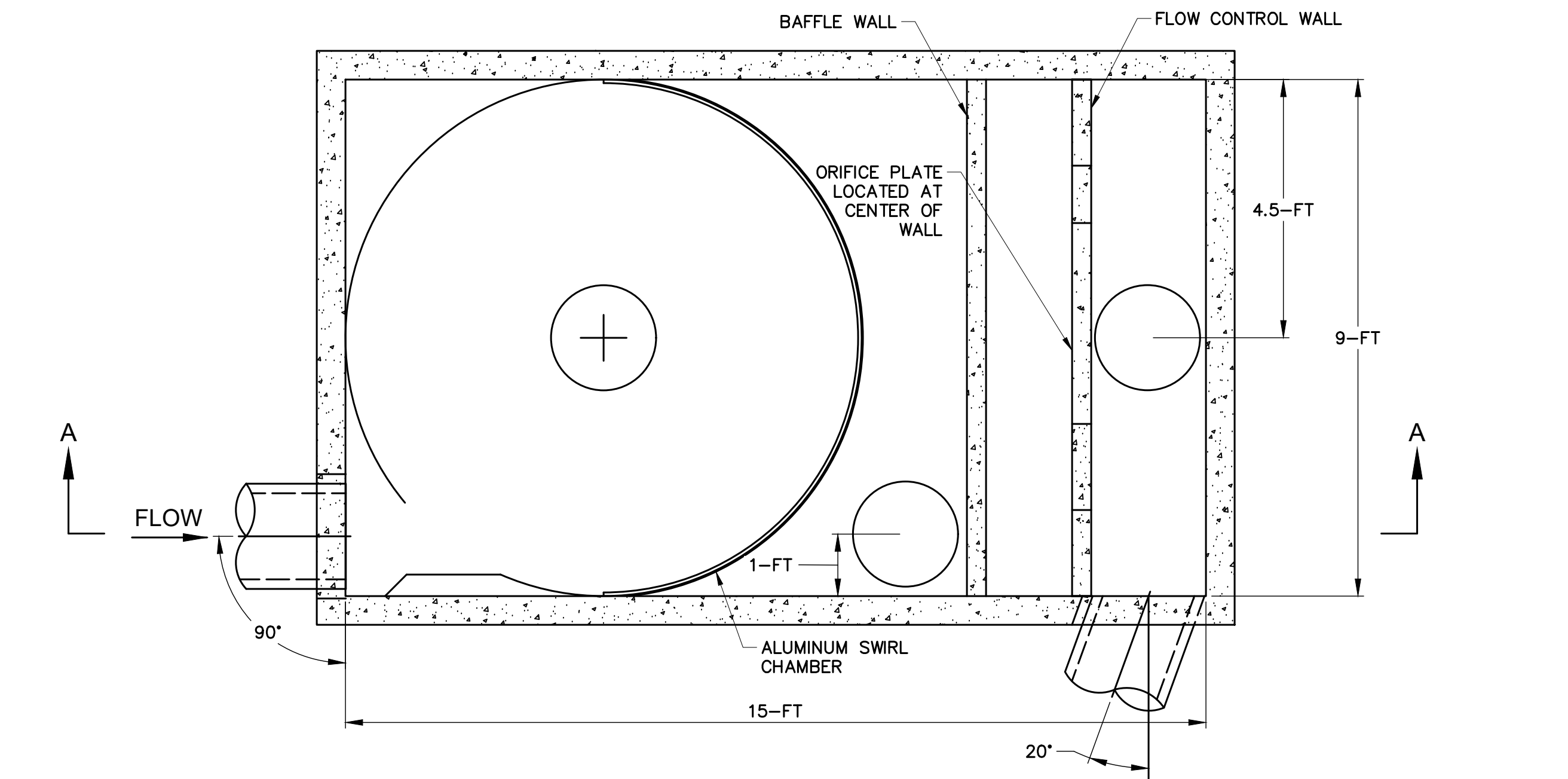
Vertical dimensions on the left side:

- TOS: 39.70'
- 12.33'-FT
- 10'-FT
- EL: 27.37'

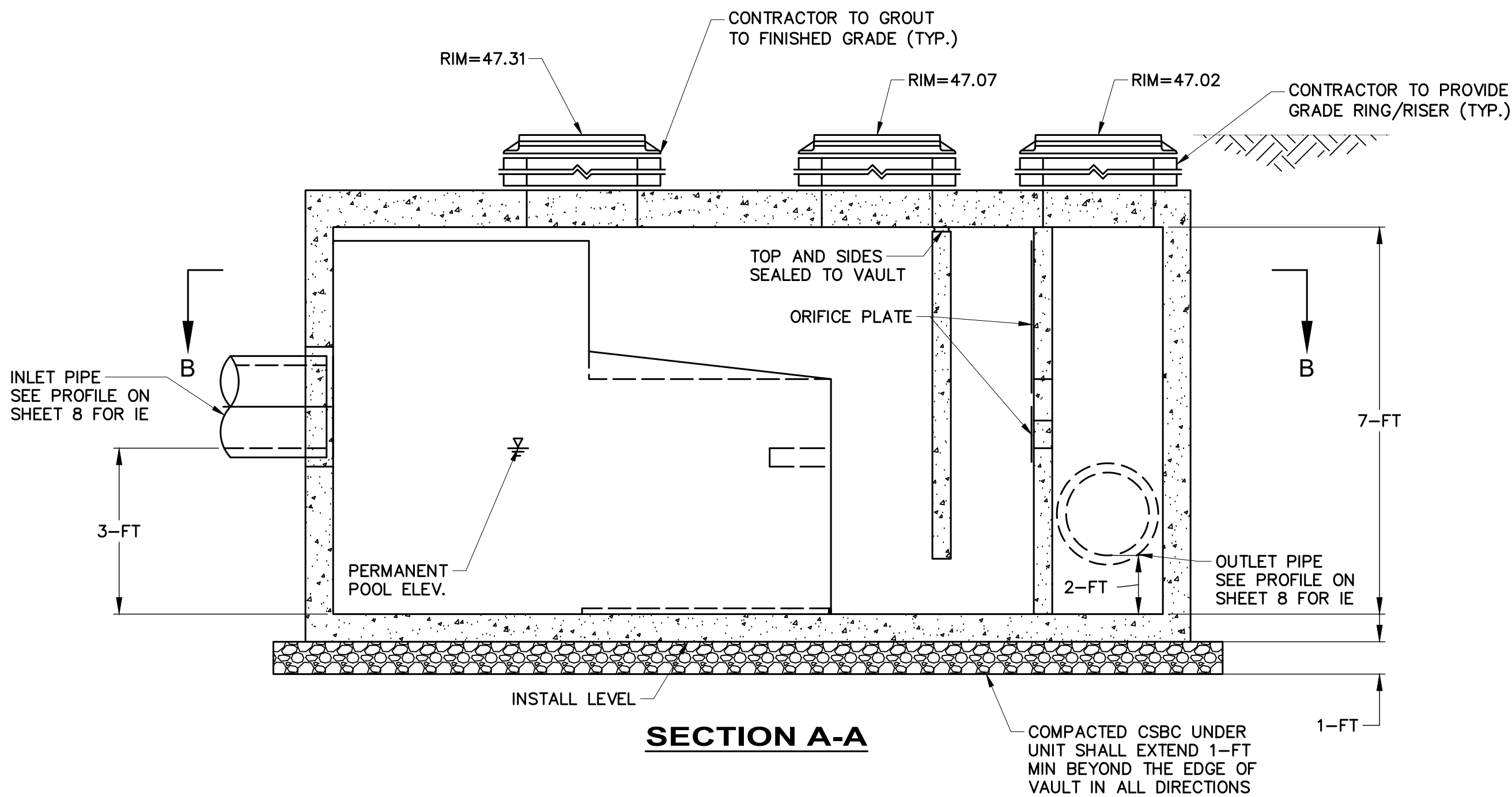
1 WQ TREATMENT VAULT
14 N.T.S.



FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\DWG\SHEETS\10-190052-1 PRETREATMENT DETAILS.DWG
PLOT TIME: 2/7/2025 11:03 AM
USER NAME: JACOB ROMERO



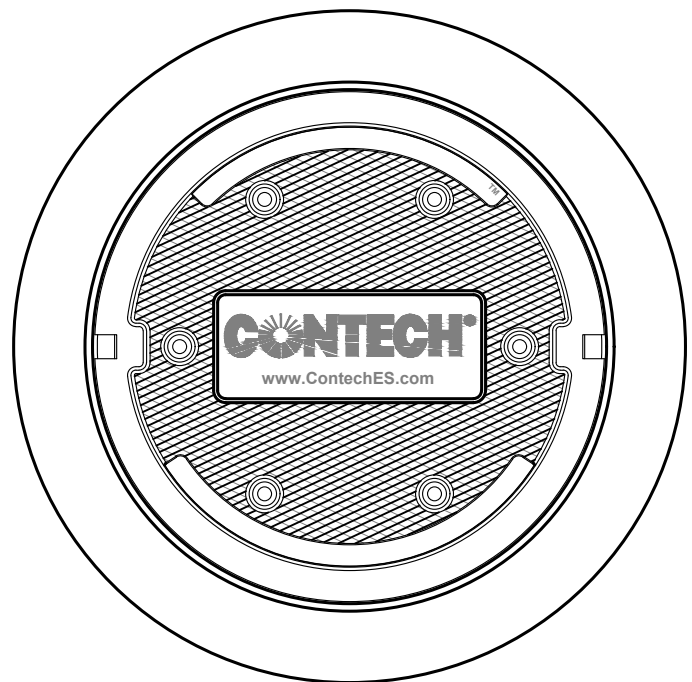
SECTION B-B



SECTION A-A

1 PRETREATMENT UNIT VX 9000 (AUGUSTA AVE NE UNIT)
7, 8 N.T.S.

SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID		PRETREATMENT	
WATER QUALITY FLOW RATE (CFS)		4.77	
PEAK FLOW RATE (CFS)		5.80	
RETURN PERIOD OF PEAK FLOW (YRS)			
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	39.5	CPEP	18-INCH
INLET PIPE 2	*	*	*
OUTLET PIPE	38.5	CPEP	18-INCH
RIM ELEVATION		SEE SECTION A-A	
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
	*	*	
NOTES/SPECIAL REQUIREMENTS:			
ORIFICE:			
WEIR:		WEIR:	
CD = 0.56 (FLOW COEFFICIENT)		CD = 3.3	
A = 0.56 SF		WEIR CREST LENGTH = 6-FT	
CREST ELEVATION = 39.58		CREST ELEVATION = 43.4	



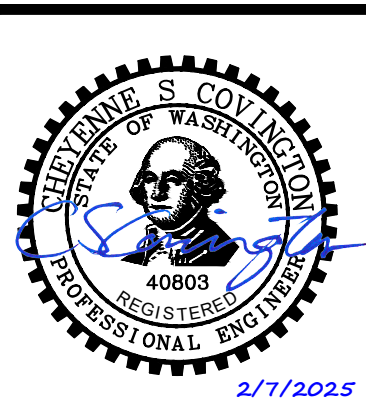
FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

GENERAL NOTES:

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH REPRESENTATIVE. www.ContechES.com
- VORTECHS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
- INLET PIPE(S) MUST BE PERPENDICULAR TO THE VAULT AND AT THE CORNER TO INTRODUCE THE FLOW TANGENTIALLY TO THE SWIRL CHAMBER. DUAL INLETS NOT TO HAVE OPPOSING TANGENTIAL FLOW DIRECTIONS.
- OUTLET PIPE(S) MUST BE DOWN STREAM OF THE FLOW CONTROL BAFFLE AND MAY BE LOCATED ON THE SIDE OR END OF THE VAULT. THE FLOW CONTROL WALL MAY BE TURNED TO ACCOMMODATE OUTLET PIPE KNOCKOUTS ON THE SIDE OF THE VAULT.
- RIM ELEVATIONS PROVIDED AT THE CENTER OF THE ACCESS LID. ADJUST TO MATCH FINISH GRADE AND SLOPE.

INSTALLATION NOTES:

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION REQUIRED SHALL BE INSTALLED PER SPECIAL PROVISIONS.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE VORTECHS STRUCTURE (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.
- STRUCTURAL SHORING MAY BE REQUIRED TO MAINTAIN ONE LANE OF TRAFFIC ALONG SUQUAMISH WAY.
- BACKFILL FOR VAULT SHALL BE GRAVEL BACKFILL FOR WALL PER 9-03.12(2).



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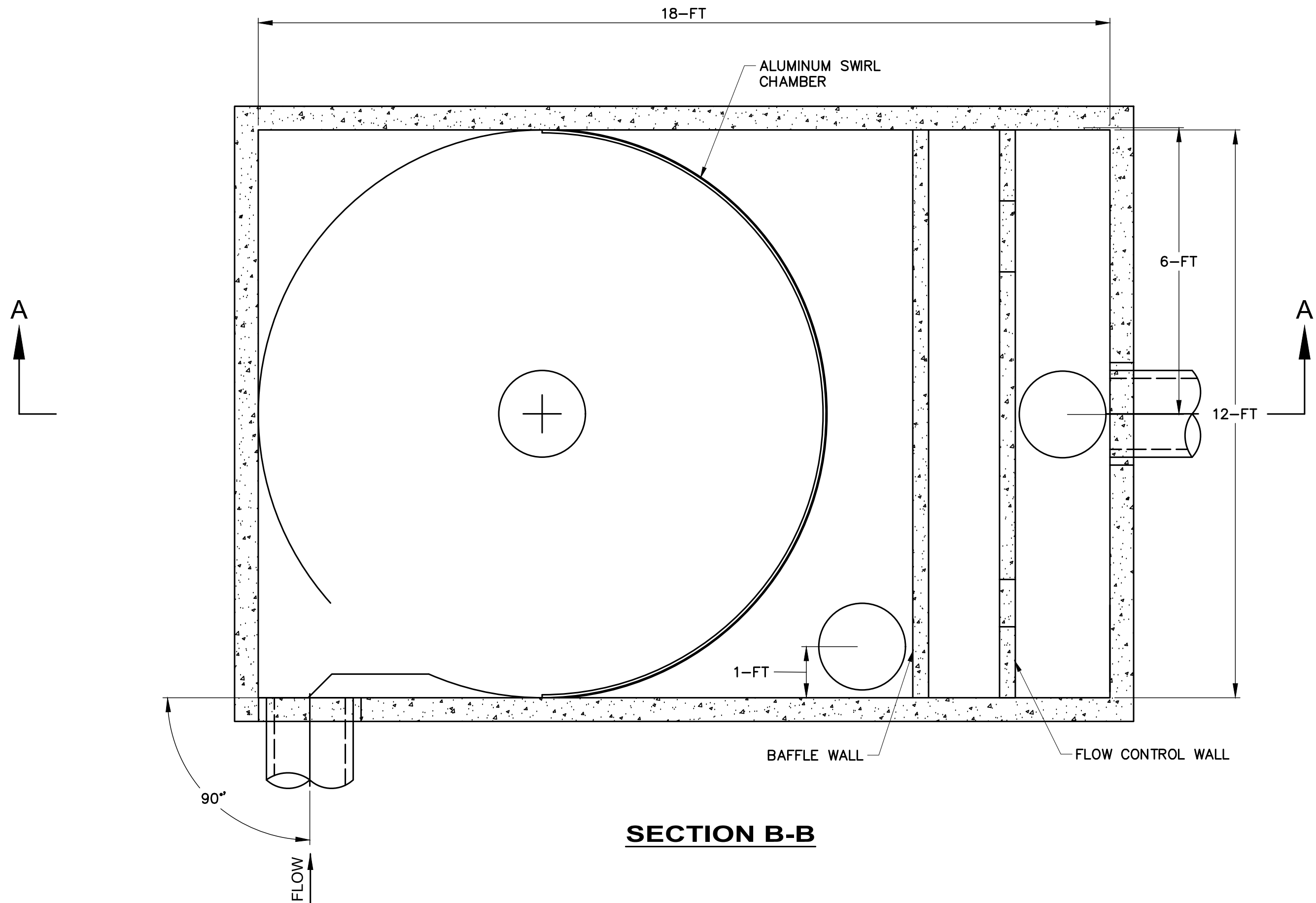


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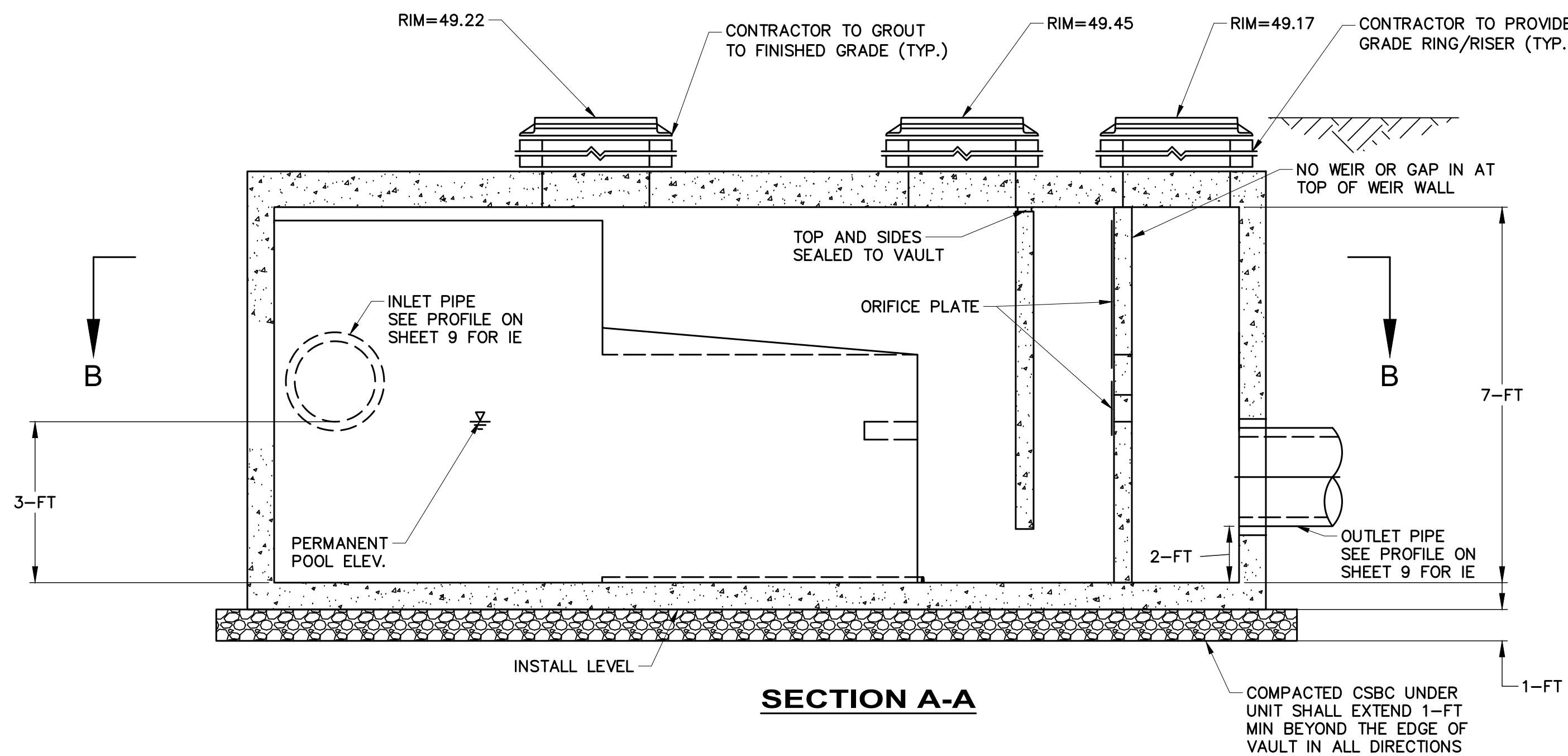
SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
PRETREATMENT DETAILS - 1

JOB# / DWG	10-190052	DATE	FEB 2025
SCALE	H: N/A V: N/A	SHEET	16 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\1\10-190052-PRETREATMENT DETAILS.DWG
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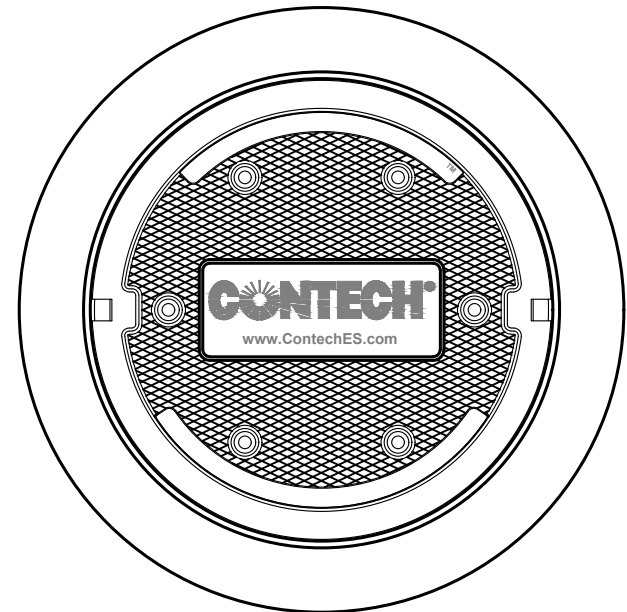
SECTION B-B



SECTION A-A

1 PRETREATMENT UNIT VX 16000 (SUQUAMISH WAY NE UNIT)
7, 9 N.T.S.

SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID		PRETREATMENT	
WATER QUALITY FLOW RATE (CFS)		7.13	
PEAK FLOW RATE (CFS)		8.85	
RETURN PERIOD OF PEAK FLOW (YRS)		100	
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	39.47	CPEP	18-INCH
INLET PIPE 2	*	*	*
OUTLET PIPE	38.47	CPEP	18-INCH
RIM ELEVATION		SEE SECTION A-A	
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
	*	*	
NOTES/SPECIAL REQUIREMENTS:			
ORIFICE:			
WEIR:		WEIR:	
CD = 0.56 (FLOW COEFFICIENT)		CD = 6.2 (FLOW COEFFICIENT)	
A = 0.56 SF		WEIR CREST LENGTH = 6-FT	
CREST ELEVATION = 39.59		CREST ELEVATION = 44.19	



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

- GENERAL NOTES:**
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 - VORTECHS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
 - STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
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- INSTALLATION NOTES:**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS REQUIRED SHALL BE INSTALLED PER SPECIAL PROVISIONS.
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 - BACKFILL FOR VAULT SHALL BE GRAVEL BACKFILL FOR WALL PER 9-03.12(2).



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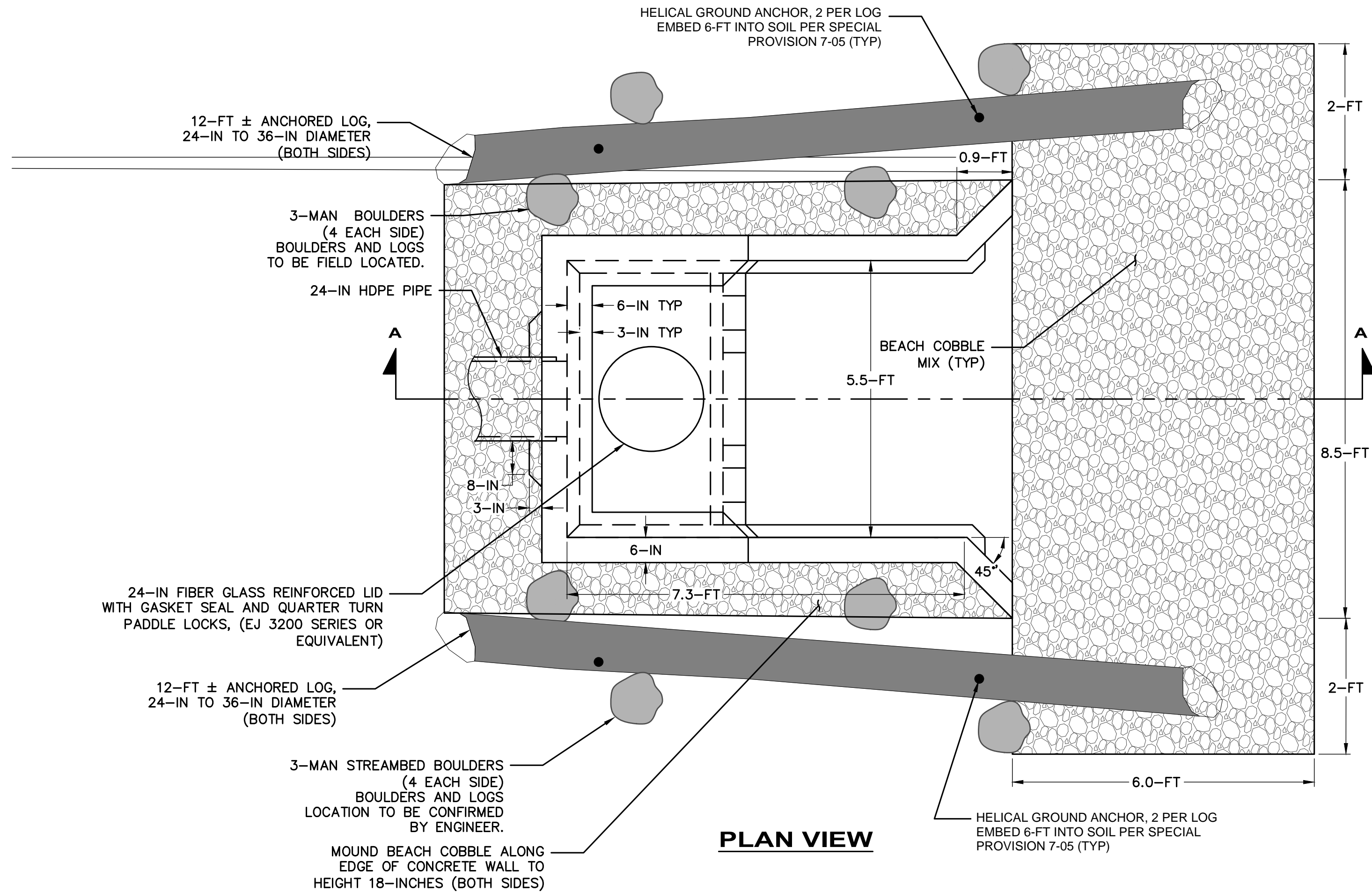


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SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
PRETREATMENT DETAILS - 2

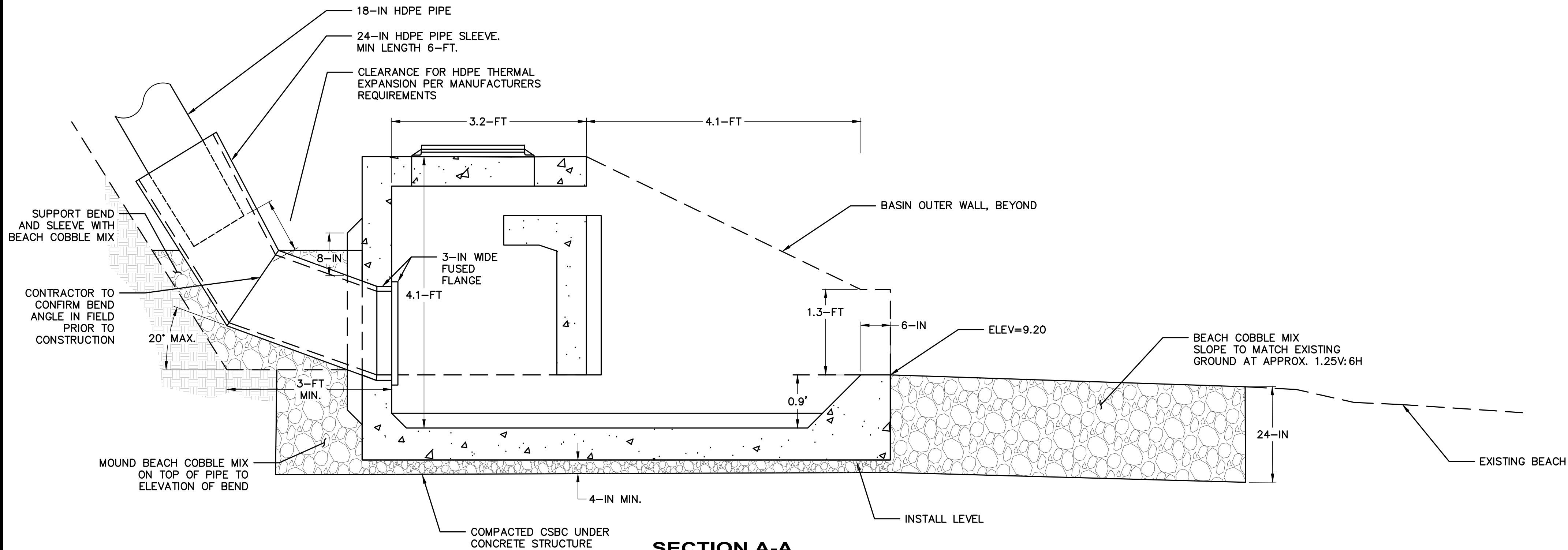
JOB# / DWG	10-190052	DATE	FEB 2025
SCALE	H: N/A V: N/A	SHEET	17 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CADD\SHEETS\P_10-190052_OUTFALL_DETAILS.DWG
PLOT TIME: 2/7/2025 11:05 AM
USER NAME: JACOB ROMERO



GENERAL NOTES:

1. SEE SHEET 27 FOR STRUCTURAL DESIGN OF OUTFALL.
2. ANCHOR LOG AND BOULDERS TO BE FIELD LOCATED BY THE ENGINEER.
3. THE INSTALLATION OF THE OUTFALL STRUCTURE, COBBLES, BOULDERS AND LOGS, EXISTING DEBRIS REMOVAL AND OTHER ELEMENTS NEAR THE OHW MUST BE COORDINATED WITH LIMITED BEACH ASSESS RESTRICTIONS PER PROJECT PERMITS.



SECTION A-A

1
7

OUTFALL
N.T.S.



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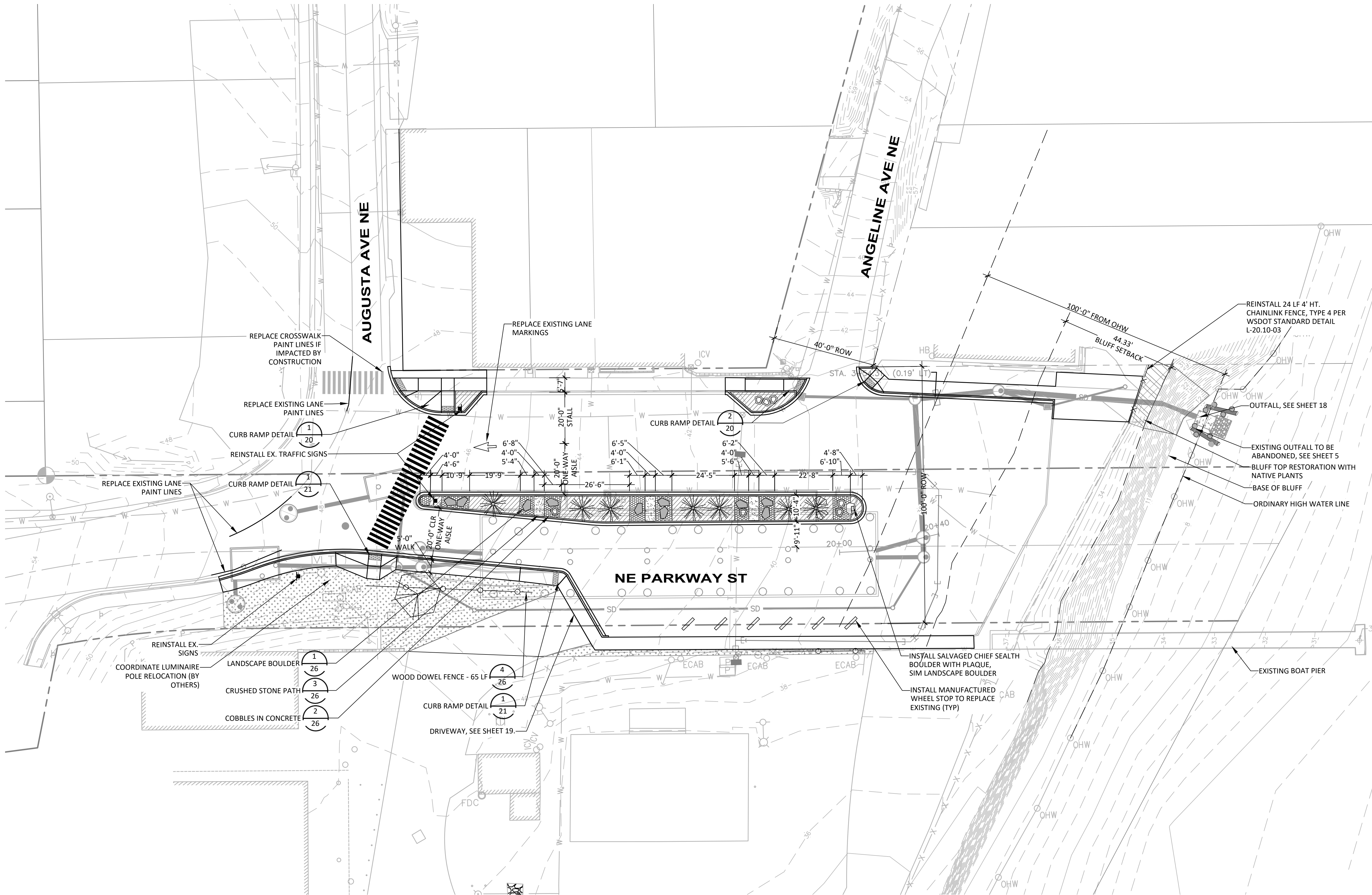


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**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
OUTFALL DETAILS**

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: N/A V: N/A	SHEET 18 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\1\10-190052 GRADING PLAN.DWG
PLOT TIME: 2/7/2025 2:06 PM
USER NAME: JACOB ROMERO

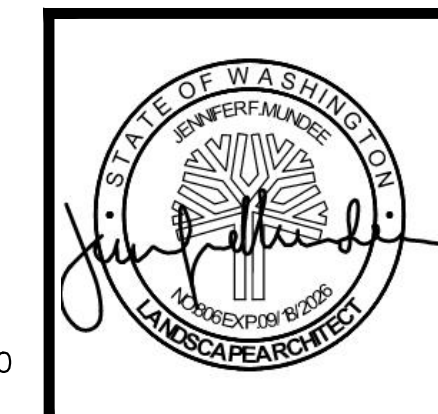
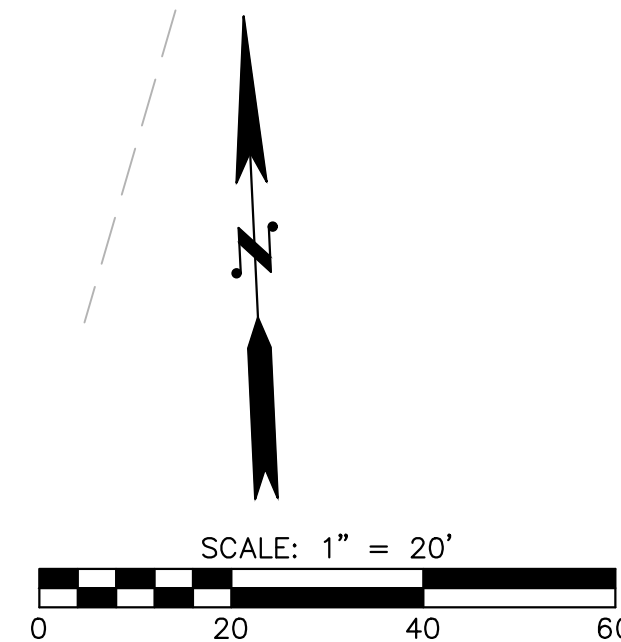


SITE PLAN LEGEND

	CRUSHED STONE SURFACING	
	BELOW GRADE VAULT SEE VAULT PLANS, SHEET 14.	
	PLANT BED	
	BLUFF RESTORATION PLANTINGS SEE SHEET 24.	
	LAWN SEE SHEET 24.	
	BLACK VINYL COATED CHAIN LINK FENCE, 4' HT	
	WOOD DOWEL FENCE 2.5' HT	
	SALVAGED BOULDER WITH PLAQUE	
	PROPOSED TREE, SEE SHEET 24	
	STREAMBED BOULDER 2-MAN STREAMBED BOULDER 3-MAN	
	COBBLE SET IN CONC	
	TRAFFIC SIGN	

GENERAL NOTES:

- ALL PAINT LINES SHALL INSTALLED PER WSDOT STD PLAN M-20.10-03.
- TRAFFIC ARROW TYPE A TO BE INSTALLED PER 2009 MUTCD FIGURE 3B-24.
- CROSSWALK PAINT LINES TO BE THERMOPLASTIC AND INSTALLED PER KITSAP COUNTY STANDARD DETAIL FIG 5-2.
- TRAFFIC SIGNS TO BE REINSTALLED WITH SUPPORT PER KITSAP COUNTY STANDARD DETAIL FIG 5-1.



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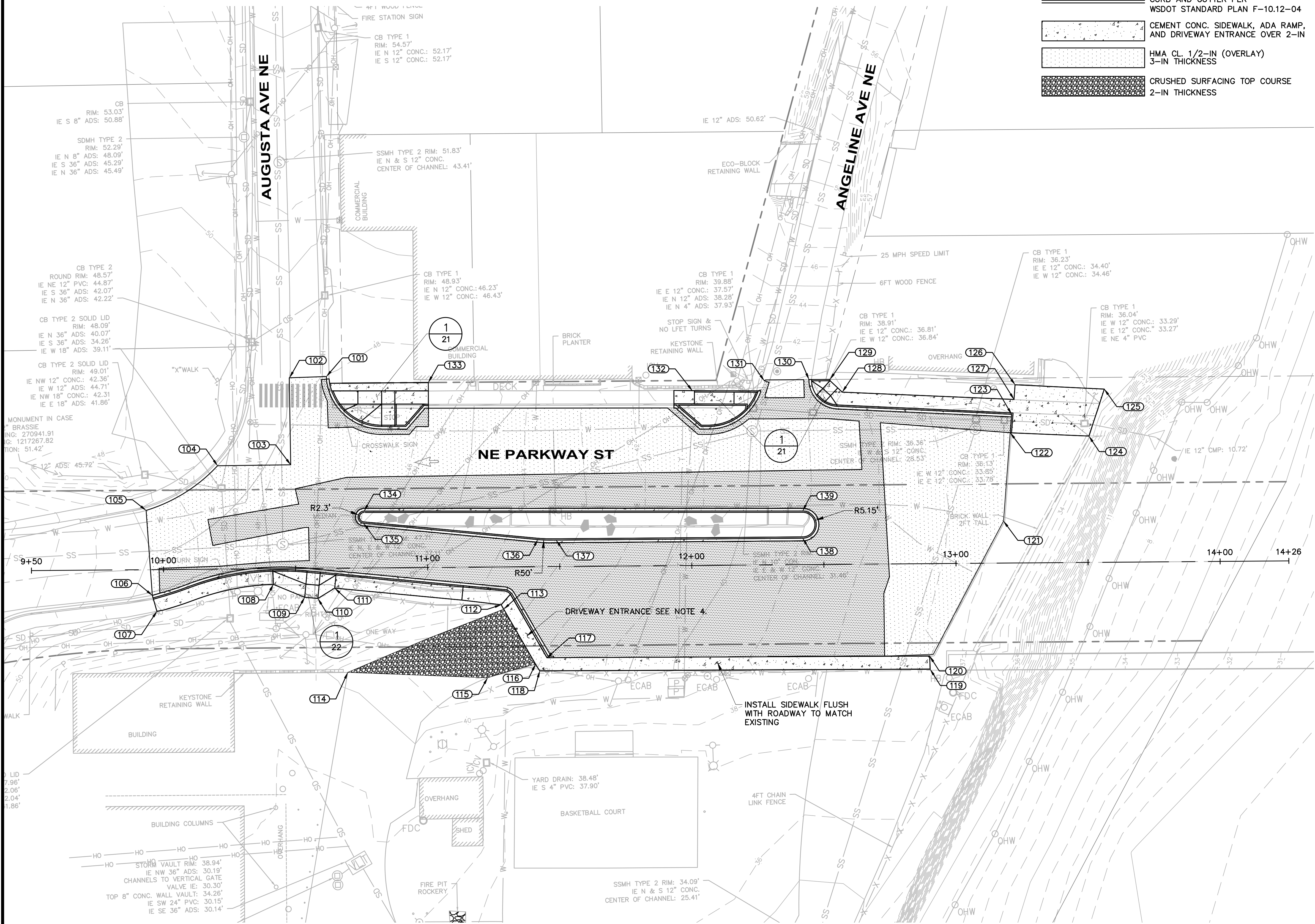


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**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT**
SITE RESTORATION PLAN

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: 1"=20' V: N/A	SHEET 19 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\ SHEETS\10-190052_PAVING PLANS.DWG
PLOT TIME: 2/7/2025 2:07 PM
USER NAME: JACOB ROMERO



LEGEND

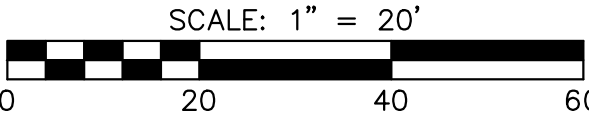
- HMA CL. 1/2-IN
7-IN THICKNESS SEE NOTE 7
- CEMENT CONC. TRAFFIC
CURB AND GUTTER PER
WSDOT STANDARD PLAN F-10.12-04
- CEMENT CONC. SIDEWALK, ADA RAMP,
AND DRIVEWAY ENTRANCE OVER 2-IN
- HMA CL. 1/2-IN (OVERLAY)
3-IN THICKNESS
- CRUSHED SURFACING TOP COURSE
2-IN THICKNESS

GENERAL NOTES:

- CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- MATCH FLOWLINES AND ASPHALT THICKENED EDGE WITH PAVEMENT REPLACEMENT ALONG AUGUSTA AVE.
- PAVEMENT GRADING ALONG NE PARKWAY ST WILL BE REPLACED TO MATCH EXISTING ELEVATIONS.
- DRIVEWAY ENTRANCE SHALL BE URBAN RESIDENTIAL APPROACH PER KITSAP COUNTY STANDARD PLAN FIG 4-3.
- TRENCHING AND RESTORATION PER KITSAP COUNTY STANDARD PLAN FIG 7-1.
- SEE SHEETS 21 AND 22 FOR CURB AND SIDEWALK GRADING.
- TRENCH AREAS TO BE RESTORED PER KITSAP COUNTY STANDARD DETAIL FIG 7-1 USING 4-IN OF HMA RATHER THAN CSTC.
- CEMENT CONC. SIDEWALK PER WSDOT STD PLAN F-30.10-04.

CONTROL POINT TABLE

POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
101	10+62.21	72.61' L	48.0±	PI PVMT, MATCH EX
102	10+48.25	72.25' L	48.6±	PI PVMT, MATCH EX
103	10+48.44	39.30' L	47.8±	PI PVMT, MATCH EX
104	10+20.75	39.15' L	48.2±	PI PVMT, MATCH EX
105	9+93.57	22.44' L	49.7±	PI PVMT, MATCH EX
106	9+95.68	9.74' R	49.6±	PI PVMT, MATCH EX
107	9+97.37	15.79' R	SEE NOTE 6	PI SIDEWALK
108	10+41.53	5.93' R	SEE NOTE 6	PI SIDEWALK
109	10+53.36	10.90' R	SEE NOTE 6	PI SIDEWALK
110	10+58.33	11.40' R	SEE NOTE 6	PI SIDEWALK
111	10+64.76	7.53' R	SEE NOTE 6	PI SIDEWALK
112	11+27.72	14.32' R	SEE NOTE 6	PI SIDEWALK
113	11+28.67	16.00' R	43.5±	PI DRIVEWAY, MATCH EX
114	10+69.44	39.47' R	40.2±	PI DRIVEWAY, MATCH EX
115	11+22.35	41.92' R	42.0±	PI DRIVEWAY, MATCH EX
116	11+40.54	36.92' R	42.1±	PI DRIVEWAY, MATCH EX
117	11+44.88	34.48' R	41.9±	PI PVMT, MATCH EX
118	11+42.13	39.47' R	41.9±	PI SIDEWALK, MATCH EX
119	12+89.91	39.99' R	37.4±	PI SIDEWALK, MATCH EX
120	12+89.77	35.00' R	37.2±	PI PVMT/SIDEWALK, MATCH EX
121	13+18.12	15.91' L	36.4±	PI PVMT/SIDEWALK, MATCH EX
122	13+20.92	49.34' L	36.1±	PI PVMT/CURB, MATCH EX
123	13+21.50	56.31' L	36.2±	PI CURB, MATCH EX
124	13+50.70	47.85' L	37.0±	PI CONC, MATCH EX
125	13+56.66	65.59' L	37.0±	PI CONC, MATCH EX
126	13+22.88	67.48' L	36.8±	PI CONC, MATCH EX
127	13+22.44	61.93' L	36.7±	PI SIDEWALK, MATCH EX
128	12+57.44	65.21' L	SEE NOTE 6	PI SIDEWALK
129	12+52.86	70.06' L	SEE NOTE 6	PI CURB
130	12+44.89	70.06' L	39.8±	PI PVMT, MATCH EX
131	12+27.97	69.71' L	40.2±	PI PVMT, MATCH EX
132	12+00.72	66.14' L	SEE NOTE 6	PI SIDEWALK
133	11+00.77	70.05' L	SEE NOTE 6	PI SIDEWALK
134	10+76.12	21.56' L	47.14	PI CURB
135	10+75.87	16.97' L	46.95	PI CURB
136	11+41.75	10.26' L	43.56	PI CURB
137	11+48.70	10.00' L	43.29	PI CURB
138	12+42.04	10.00' L	38.96	PI CURB
139	12+42.12	20.30' L	39.65	PI CURB



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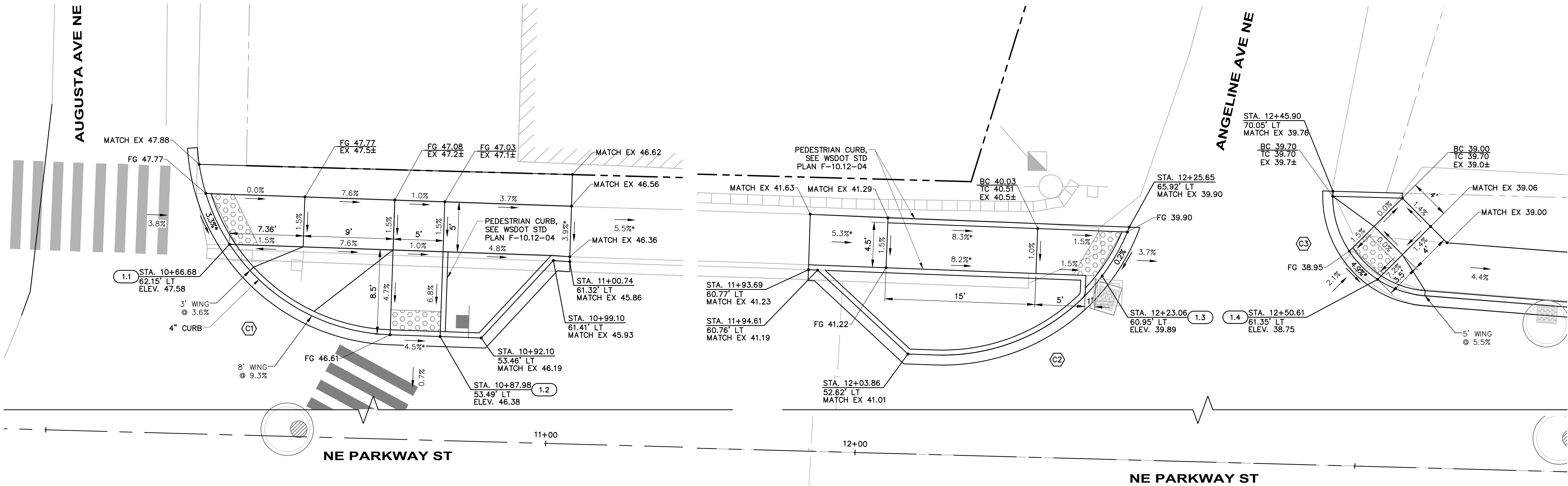


KITSAP COUNTY
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**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
PAVING PLAN**

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: 1"=20' V: N/A	SHEET 20 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CADD\SHEETS\10-190052_PAVING DETAILS.DWG
PLOT TIME: 2/7/2025 2:11 PM
USER NAME: JACOB ROMERO



1
19

CURB RAMP DETAIL - AUGUSTA AVE NE AND NE PARKWAY ST

SCALE: 1"=5'

2
19

CURB RAMP DETAIL - ANGELINE AVE NE AND NE PARKWAY ST

SCALE: 1"=5'

CURB RETURN TABLE				
	POINT	STATION, OFFSET	ELEVATION AT FLOWLINE	CURVE GEOMETRY
C1	C1 PC	10+63.14, 73.35' LT	47.99	$\Delta=089^{\circ}02'59''$ R=20.00 T=19.67 L=31.08
	C1 1/4	10+64.69, 65.78' LT	47.72	
	C1 1/2	10+69.00, 59.38' LT	47.40	
	C1 3/4	10+75.42, 55.08' LT	47.00	
	C1 PT	10+82.98, 53.53' LT	46.61	

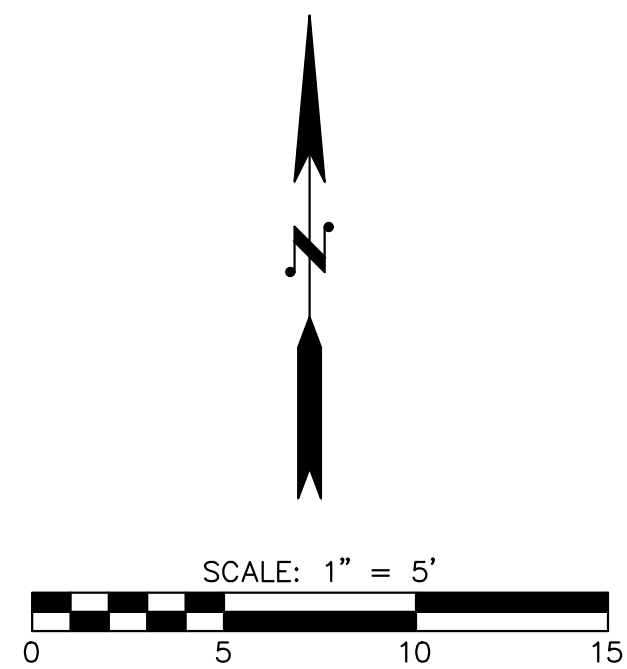
MAXIMUM EXTENT FEASIBLE (MEF) CODES

- *1 RIGHT-OF-WAY AVAILABILITY
- *2 ROADWAY STRUCTURE CONSTRAINT
- *3 ADJACENT DEVELOPED FACILITY
- *4 DRAINAGE
- *5 HISTORIC FEATURE
- *6 EXISTING ROAD/SIDEWALK SLOPES
- *7 EXISTING UTILITY OR UTILITY STRUCTURE
- *8 (OTHER), DESCRIBE, ADD ANNOTATION

CURB RAMP TABLE		
(X.X)	WSDOT STD PLAN	MEF CODE
1.1	SINGLE DIRECTION CURB RAMP F-40.16-03	*6
1.2	PERPENDICULAR CURB RAMP F-40.15-04	*6
1.3	SINGLE DIRECTION CURB RAMP F-40.16-03	*6
1.4	PERPENDICULAR CURB RAMP F-40.15-04	

CURB RETURN TABLE				
	POINT	STATION, OFFSET	ELEVATION AT FLOWLINE	CURVE GEOMETRY
C2	C2 PC	12+06.65, 52.60' LT	40.89	$\Delta=072^{\circ}55'55''$ R=20.00 T=14.78 L=25.46
	C2 1/4	12+12.91, 53.55' LT	40.55	
	C2 1/2	12+18.56, 56.42' LT	40.22	
	C2 3/4	12+23.03, 60.91' LT	39.89	
	C2 PT	12+25.87, 66.58' LT	39.96	

CURB RETURN TABLE				
	POINT	STATION, OFFSET	ELEVATION AT FLOWLINE	CURVE GEOMETRY
C3	C3 PC	12+46.03, 71.51' LT	39.99	$\Delta=096^{\circ}35'12''$ R=10.00 T=11.22 L=16.86
	C3 1/4	12+46.21, 67.33' LT	39.41	
	C3 1/2	12+48.08, 63.60' LT	38.92	
	C3 3/4	12+51.32, 60.95' LT	38.71	
	C3 PT	12+55.36, 59.86' LT	38.53	



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NO.	DATE	REVISION	BY

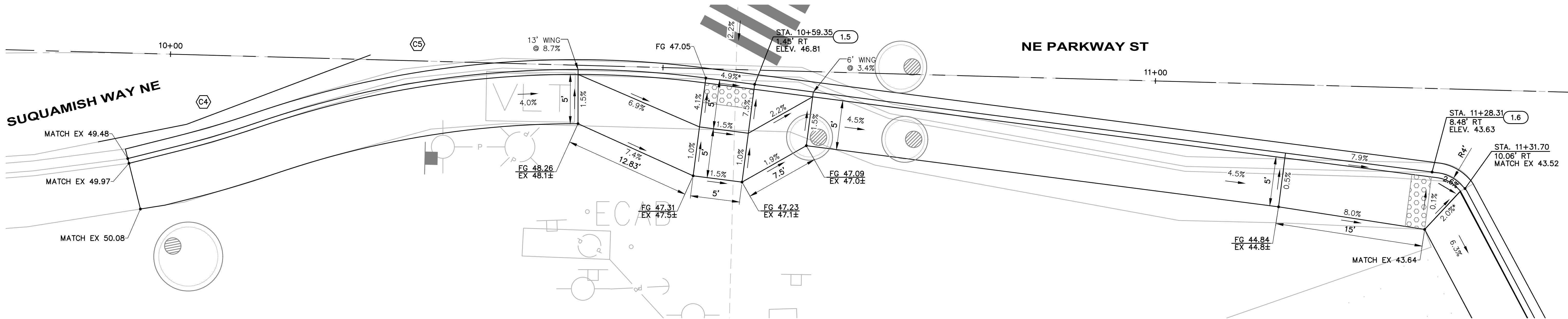


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SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
CURB RETURN PLAN - 1

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: 1"=5' V: N/A	SHEET 21 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CADD\SHEETS\10-190052_PAVING DETAILS.DWG
PLOT TIME: 2/7/2025 2:12 PM
USER NAME: JACOB ROMERO



1
19

CURB RAMP DETAIL - SUQUAMISH WAY NE AND NE PARKWAY ST

SCALE: 1"=5'

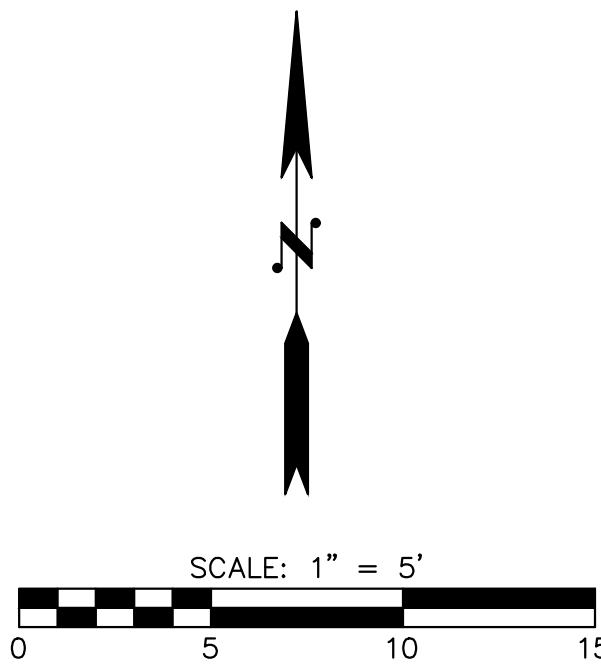
CURB RETURN TABLE				
	POINT	STATION, OFFSET	ELEVATION AT FLOWLINE	CURVE GEOMETRY
C4	C4 PC	10+00.93, 9.32' RT	49.29	$\Delta=004^{\circ}51'14''$ $R=100.00$ $T=4.24$ $L=8.47$
	C4 1/2	10+04.98, 8.09' RT	49.14	
	C4/C5 PRC	10+08.98, 6.70' RT	48.99	

CURB RETURN TABLE				
	POINT	STATION, OFFSET	ELEVATION AT FLOWLINE	CURVE GEOMETRY
C5	C4/C5 PRC	10+08.98, 6.70' RT	48.99	$\Delta=026^{\circ}15'45''$ $R=100.00$ $T=23.33$ $L=45.84$
	C5 1/4	10+19.93, 3.32' RT	48.55	
	C5 1/2	10+31.18, 1.21' RT	48.11	
	C5 3/4	10+42.61, 0.41' RT	47.63	

MAXIMUM EXTENT FEASIBLE (MEF) CODES

- *1 RIGHT-OF-WAY AVAILABILITY
- *2 ROADWAY STRUCTURE CONSTRAINT
- *3 ADJACENT DEVELOPED FACILITY
- *4 DRAINAGE
- *5 HISTORIC FEATURE
- *6 EXISTING ROAD/SIDEWALK SLOPES
- *7 EXISTING UTILITY OR UTILITY STRUCTURE
- *8 (OTHER), DESCRIBE, ADD ANNOTATION

CURB RAMP TABLE		
X.X	WSDOT STD PLAN	MEF CODE
1.5	PERPENDICULAR CURB RAMP F-40.15-04	*6
1.6	URBAN RESIDENTIAL APPROACH PER KITSAP COUNTY STANDARD PLAN FIG 4-3	*6

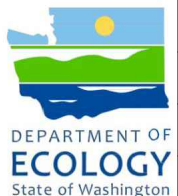


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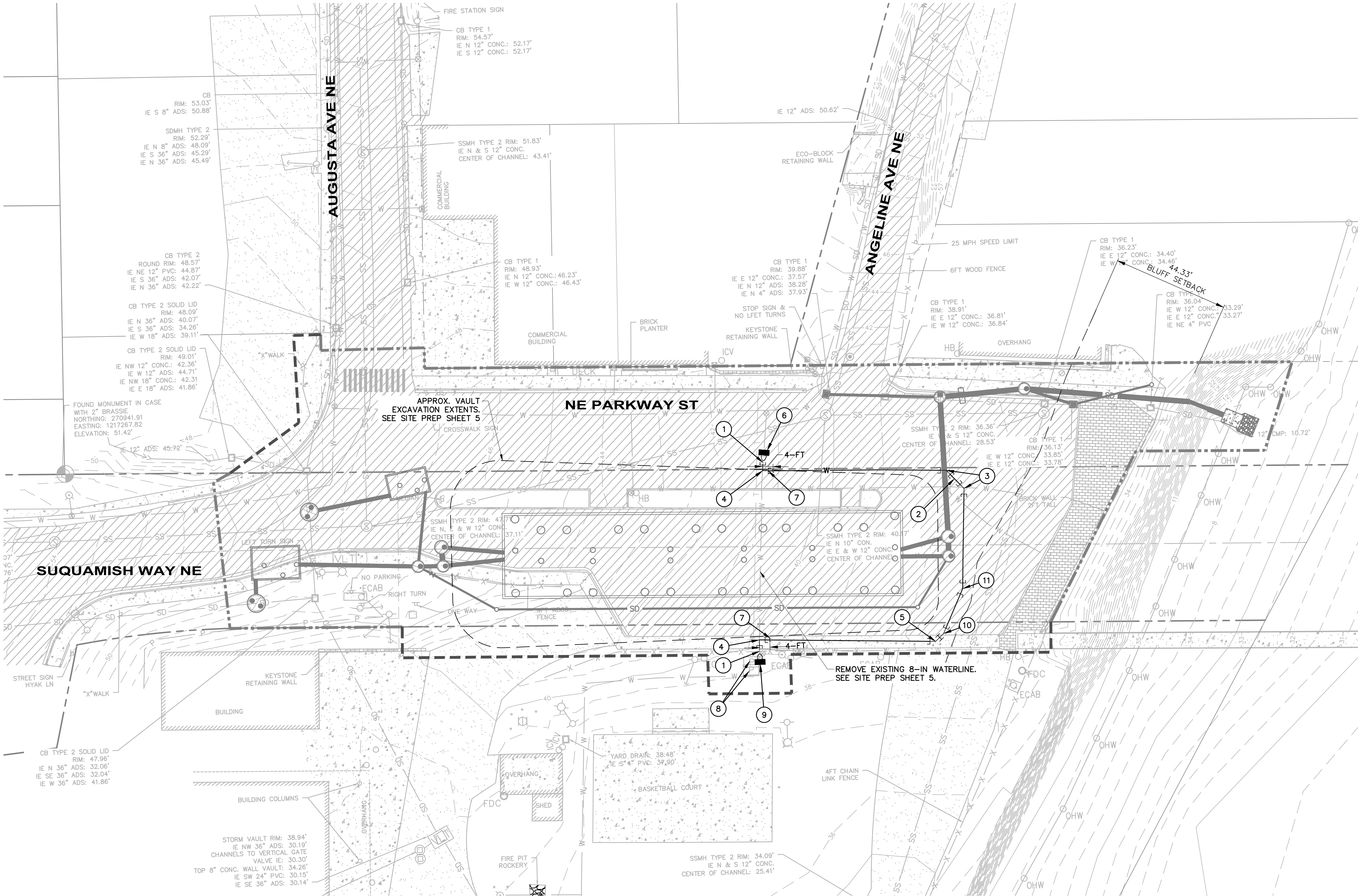


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SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
CURB RETURN PLAN - 2

JOB# / DWG	10-190052	DATE	FEB 2025
SCALE	H: 1"=5' V: N/A	SHEET	22 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CADD\SHEETS\10-190052_WATER RELOCATE PLANNING
PLOT TIME: 2/7/2025 2:16 PM
USER NAME: JACOB ROMERO



GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. SEE SHEET 19 FOR RESTORATION PLAN.
3. SEE SHEET 20 FOR PAVING PLAN AND HORIZONTAL CONTROL.
4. SEE SHEET 6 FOR TESC MEASURES.

WATER NOTES:

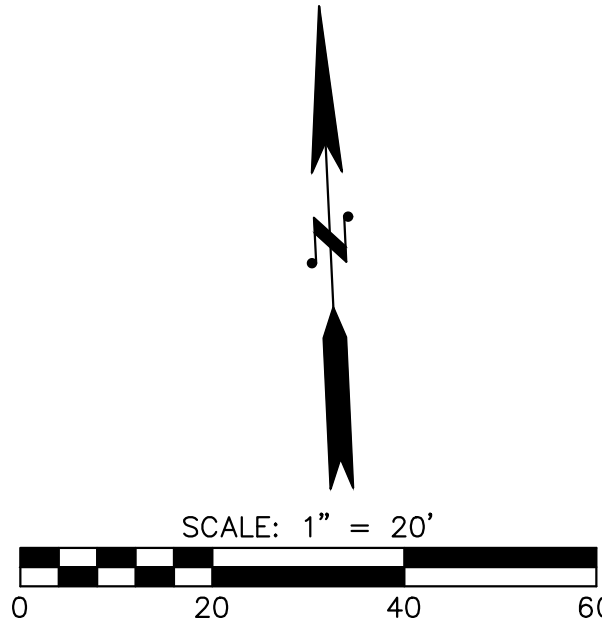
1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF AWWA, APWA/WSDOT AND THE KITSAP PUD.
2. ALL PIPE SHALL BE DUCTILE IRON PIPE CLASS 52 AND CEMENT LINED.
3. INSTALLATION SHALL INCLUDE LOCATOR WIRE AND WATER MARKING TAPE TO BE BURIED ALONG THE ENTIRE LENGTH OF THE PIPE. WARNING TAPE SHALL BE INSTALLED APPROX. 18-IN BELOW GRADE. SEE STANDARD SPECIFICATIONS FOR LOCATOR WIRE REQUIREMENTS.
4. ALL GATE VALVES SHALL BE RESILIENT-SEATED GATE VALVES, CONFORMING TO AWWA C-509.
5. A PRE-CONSTRUCTION MEETING WILL BE REQUIRED AT THE KITSAP PUD OFFICE.
6. KITSAP PUD STAFF MUST BE PRESENT FOR ALL FINAL CONNECTIONS.
7. THE CONTRACTOR IS PROHIBITED FROM OPERATING ANY VALVE CONNECTED DIRECTLY TO EXISTING KITSAP PUD INFRASTRUCTURE.
8. ALL JOINTS TO BE MEGA LUGS WITH RESTRAINT JOINT GASKETS ON PIPE.

CONSTRUCTION NOTES:

1. CONNECT TO EXISTING 8-IN DI WITH MJ SLEEVE PER KPUD STD PLAN W-17.
2. 8-IN SPOOL.
3. 1-45° HORZ BEND (MJ) 8-IN DIAM. WITH MEGA LUGS.
4. 1-90° HORZ BEND (MJ) 8-IN DIAM. WITH PUP, D.I. SLEEVE, AND MEGA LUGS.
5. 1-45° HORZ BEND (MJxPE) 8-IN DIAM. WITH MEGA LUGS.
6. INSTALL TIE-BACK BLOCK WITH 3/4" RODS TO EX VALVE AND 90° BEND PER KPUD STD PLAN W-5 AT LEAST 3 DAYS PRIOR TO SHUT DOWN.
7. INSTALL TEMPORARY 8-IN CAP (MJ) WITH MEGA LUGS AND 3/4-IN TAP FOR TESTING.
8. REMOVE AND REPLACE EXISTING IRRIGATION VAULTS.
9. INSTALL TIE-BACK BLOCK SOUTH OF EXISTING VALVE. EASEMENTS PENDING CONFIRMATION PER KPUD STD PLAN W-5.
10. 1-22.5° HORZ BEND (MJxPE) 8-IN DIAM. WITH MEGA LUGS.
11. 1-22.5° HORZ BEND (MJ) 8-IN DIAM. WITH MEGA LUGS.

LEGEND

- W — PROPOSED 8-IN RJ DI WATERLINE. KPUD STD PLAN W-30.
- 22.5° BEND (MJ) 8-IN DIAM.
- 45° BEND (MJ) 8-IN DIAM.
- 90° BEND (MJ) 8-IN DIAM.
- TIE-BACK BLOCK
- CONSTRUCTION LIMITS
- TEMPORARY CONSTRUCTION EASEMENT



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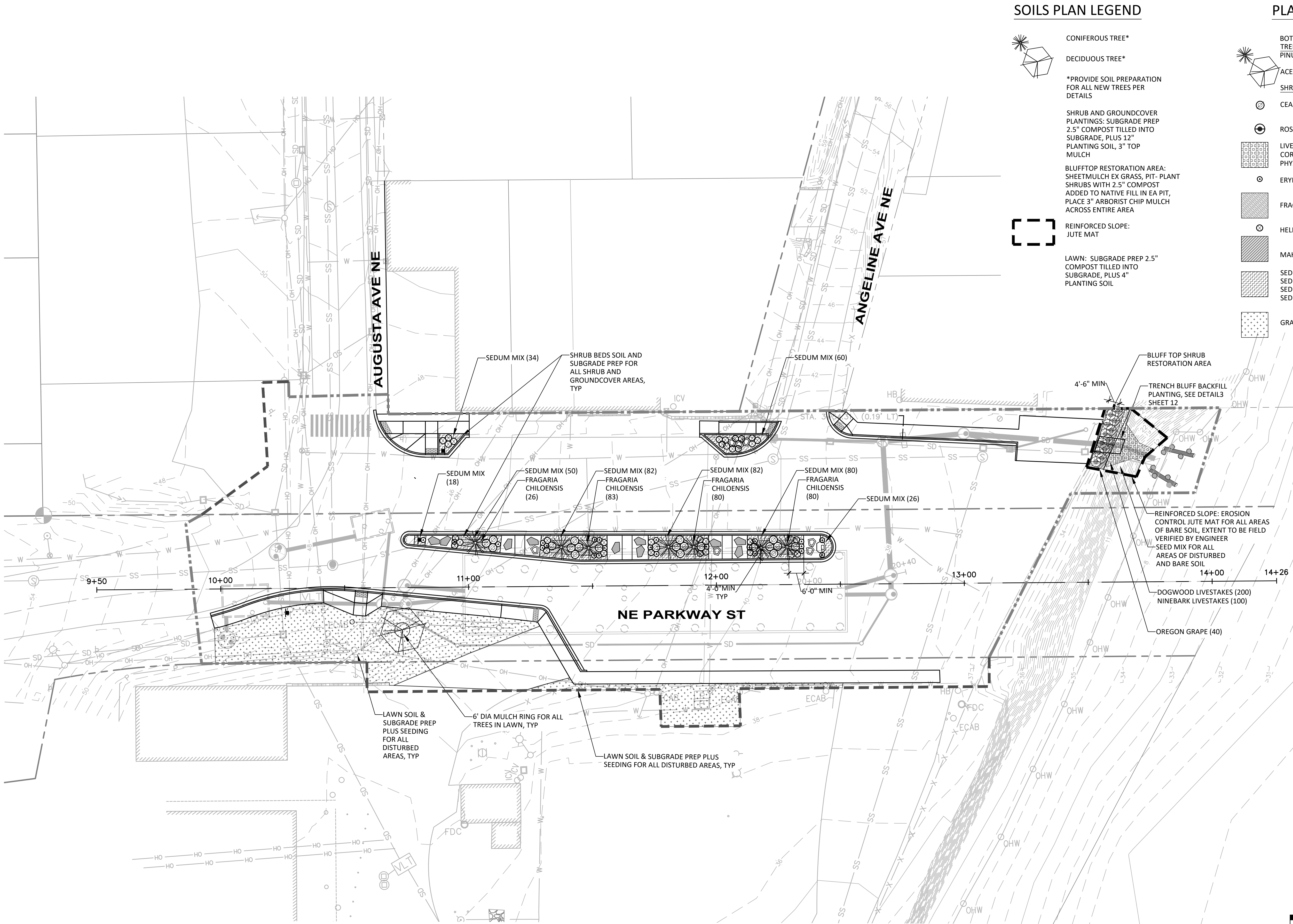


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SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
WATER RELOCATION PLAN

JOB# / DWG	DATE
10-190052	FEB 2025
SCALE	SHEET
H: 1"=20' V: N/A	23 of 28

FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\REFS\X_10-190052_TTLBLK.DWG
PLOT TIME: 7/14/2005 2:49 PM
USER NAME: LAURA TURNIDGE



SOILS PLAN LEGEND

- CONIFEROUS TREE*
- DECIDUOUS TREE*
- *PROVIDE SOIL PREPARATION FOR ALL NEW TREES PER DETAILS
- SHRUB AND GROUND COVER PLANTINGS: SUBGRADE PREP 2.5" COMPOST TILLED INTO SUBGRADE, PLUS 12" PLANTING SOIL, 3" TOP MULCH
- BLUFF TOP RESTORATION AREA: SHEETMULCH EX GRASS, PIT- PLANT SHRUBS WITH 2.5" COMPOST ADDED TO NATIVE FILL IN EA PIT, PLACE 3" ARBORIST CHIP MULCH ACROSS ENTIRE AREA
- REINFORCED SLOPE: JUTE MAT
- LAWN: SUBGRADE PREP 2.5" COMPOST TILLED INTO SUBGRADE, PLUS 4" PLANTING SOIL

PLANTING PLAN LEGEND

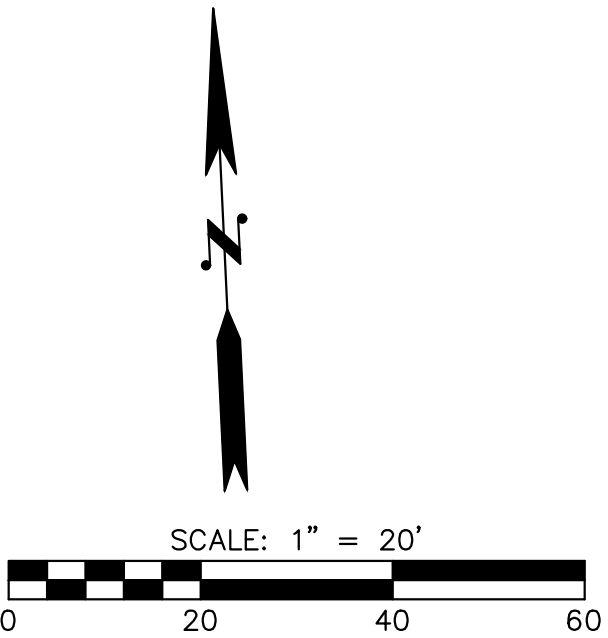
BOTANICAL NAME	COMMON NAME	SIZE	SPACING
TREES:			
PINUS CONTORTA	CONTORTA	6-7' HT	B&B AS SHOWN
ACER RUBRUM	RED MAPLE	2" CAL	B&B AS SHOWN
SHRUBS & GROUNDCOVERS:			
CEANOTHUS PROSTRATUS	PROSTRATE CEANOTHUS	3 GA	36" O.C.
ROSA NUTKANA	NOOTKA ROSE	5 GA	4' O.C.
LIVE STAKE MIX: CORNUS SERICEA 'ISANTI' 2/3 PHYSOCARPUS CAPITATUS 1/3	ISANTI DOGWOOD PACIFIC NINEBARK	3-4' LIVE STAKE 3-4' LIVE STAKE	12" O.C. 12" O.C.
ERYNGIUM ALPINUM	ALPINE SEA HOLLY	1 GA	18" O.C.
FRAGARIA CHILOENSIS	COASTAL STRAWBERRY	1 GA	12" O.C.
HELIOTOTRICHON SEMPERVIRENS	BLUE OATGRASS	1 GA	30" O.C.
MAHONIA NERVOSA	LOW OREGON GRAPE	1 GA	18" O.C.
SEDUM MIX: 1/3 EA SPECIES SEDUM 'BERTRAM ANDERSON' SEDUM CYANEUM SEDUM SELSKIANUM	PURPLE STONECROP BLUE STONECROP AMUR SEDUM	1 GA 1 GA 1 GA	12" O.C. 12" O.C. 12" O.C.
GRASS LAWN MIX	NATIVE DROUGHT-TOLERANT SEED		

SOIL PLAN NOTES

- ALL PLANTING AREAS INCLUDING HYDROSEED ECOLAWNS AND REPAIR AREAS, SHALL RECEIVE 2.5" COMPOST PER SEC. 8-02.3(6) RIPPED AND MIXED TO A DEPTH OF AT LEAST 8". SEE LEGEND FOR PLANTING SOIL DEPTHS IN SPECIFIC AREAS.
- ALL AREAS IMPACTED BY CONSTRUCTION ACTIVITY OF ANY KIND, INCLUDING STORAGE OF MATERIALS, SHALL RECEIVE FULL SUBGRADE PREPARATION PER SEC. 8-02.3(4) INCLUDING COMPOST AND HYDROSEEDING PER SECS. 8-02.3(6) AND 8-02.3(5) WHICH MEETS SWMMWW BMP T5.13.
- PLANTING BEDS/ECOLAWN: SEE SEC. 9-14.7.
- CONTRACTOR RESPONSIBLE FOR ACCOMMODATING ANY FLUFF FACTOR OR SETTLING. DEPTHS SHOWN ARE MINIMUMS.

PLANTING PLAN NOTES

- SEE SHEETS 24,25 FOR LANDSCAPE DETAILS.
- PROVIDE 6" DIAMETER MULCH RING AT ALL TREES PLANTED IN LAWN.
- EROSION CONTROL MEASURES REQUIRED FOR ALL SLOPES GREATER THAN 3:1.
- ROOT BARRIER MIN 16 LF PER TREE TO BE INSTALLED WHERE TREES ARE WITHIN 5' OF CURB OR WALK.
- IRRIGATION TO BE HAND OR TRUCK WATER THROUGH ESTABLISHMENT PERIOD.
- LIVE STAKES TO BE CUT AND PLANTED FROM NOVEMBER THROUGH FEBRUARY, WHEN DORMANT. LIVE STAKES, BRUSH, AND FASCINES ARE HIGHLY PERISHABLE AND MUST BE STORED IN SHADED, COOL, MOIST CONDITIONS BEFORE PLANTING. INSTALL PER 8-02.3(15)B



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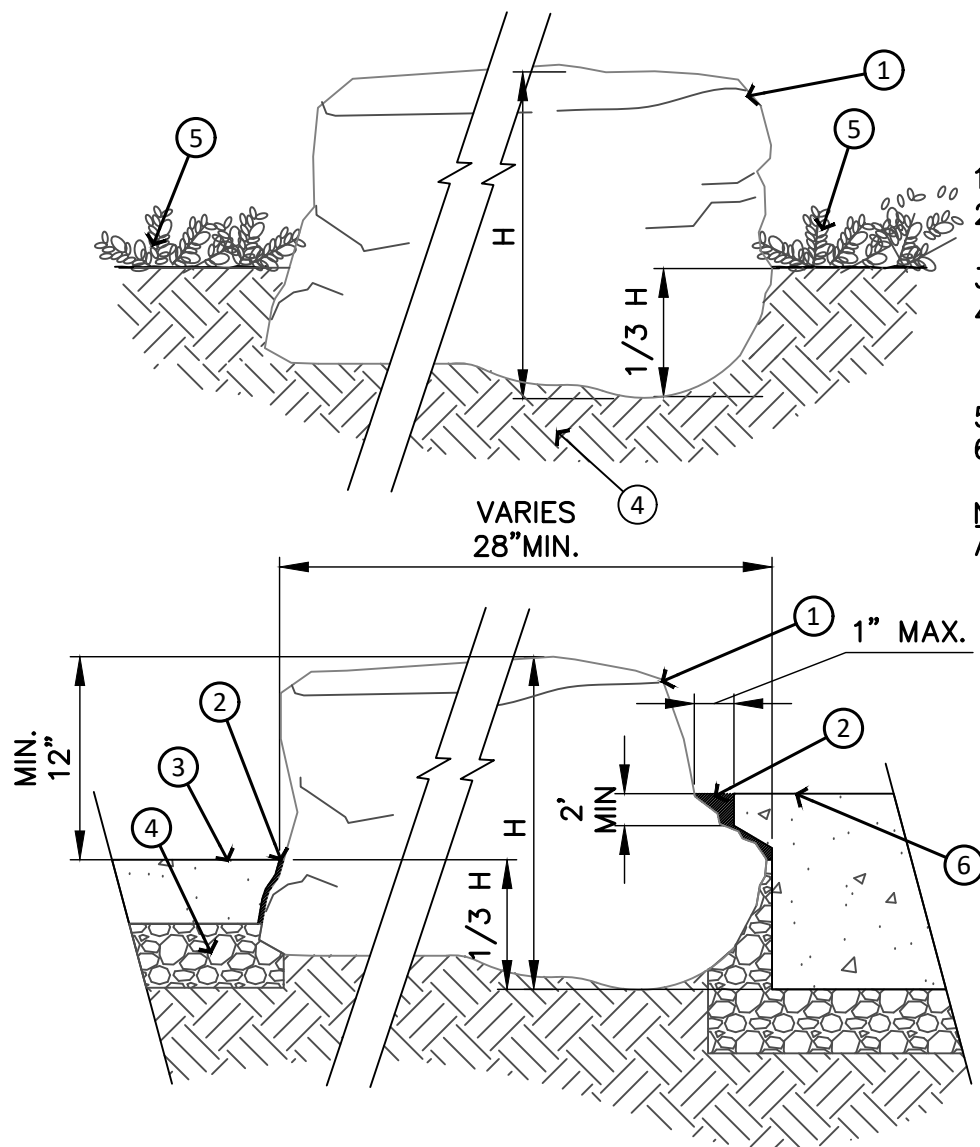


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SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
PLANTING PLAN

JOB# / DWG	10-190052	DATE	FEB 2025
SCALE	H: 1"=20' V: N/A	SHEET	24 of 28

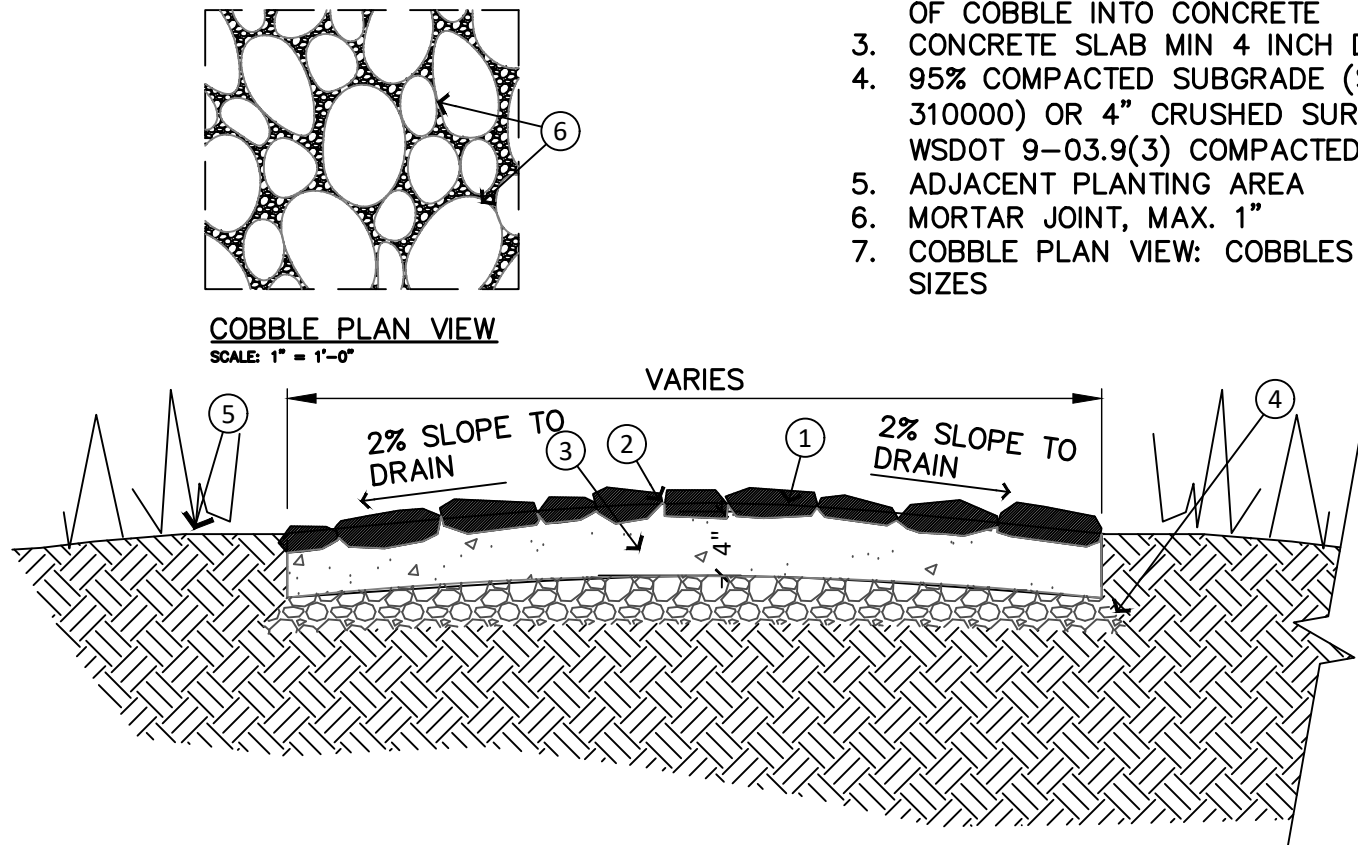
FILE NAME: P:\10-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CADD\SHEETS\10-190052_LANDSCAPE DETAILS.DWG
PLOT TIME: 2/7/2025 11:26 AM
USER NAME: JACOB ROMERO



1. STREAMBED BOULDER
2. EXPANSION MATERIAL/SEALANT, TOPPED WITH SAND TO MATCH ROCK COLOR
3. PAVEMENT OR COMPACTED GRAVEL
4. 95% COMPACTED SUBGRADE (SEC 310000) OR 4" CRUSHED SURFACING PER WSDOT 9-03.9(3) COMPACTED 95%
5. PLANTING AREA
6. CONC. CURB OR WALL

NOTE

A. ALL BOULDERS TO BE APPROVED BY LANDSCAPE ARCHITECT. FINAL ORIENTATION AND PLACEMENT TO BE FIELD LOCATED BY LANDSCAPE ARCHITECT. PLACE BOULDERS PRIOR TO BUILDING ADJACENT CONCRETE WALKS OR WALLS.

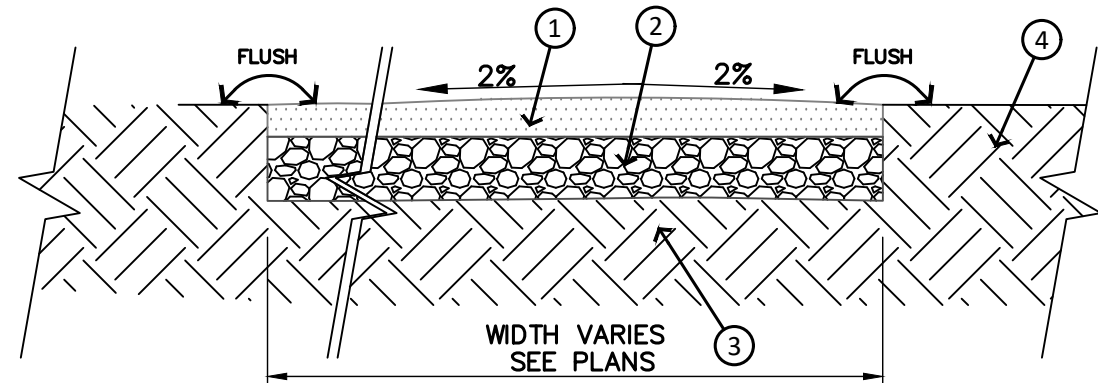


1. STREAMBED COBBLES 6"
2. EMBED A MINIMUM OF HALF THE DEPTH OF COBBLE INTO CONCRETE
3. CONCRETE SLAB MIN 4 INCH DEPTH
4. 95% COMPACTED SUBGRADE (SEC 310000) OR 4" CRUSHED SURFACING PER WSDOT 9-03.9(3) COMPACTED 95%
5. ADJACENT PLANTING AREA
6. MORTAR JOINT, MAX. 1"
7. COBBLE PLAN VIEW: COBBLES VARIED SIZES

1. 1/4" MINUS CRUSHED ROCK, (321500 OR WSDOT 9-03.9(4)) COMPACTED TO 95%, FLUSH WITH PAVED SURFACE, SEE PLAN FOR ADJACENT PAVING SURFACE
2. 5/8" MINUS CRUSHED ROCK (321500 OR WSDOT 9-03.9(3)) COMPACTED TO 95%
3. COMPACTED SUBGRADE
4. ADJACENT SHRUB BED OR PAVEMENT, SEE PLAN

NOTE

A. SLOPE TO DRAIN
B. CRUSHED ROCK PATH TO BE FIRM STABLE AND SLIP RESISTANT, PER ANSI/RESNA AND ANSI 302.1



LANDSCAPE BOULDER

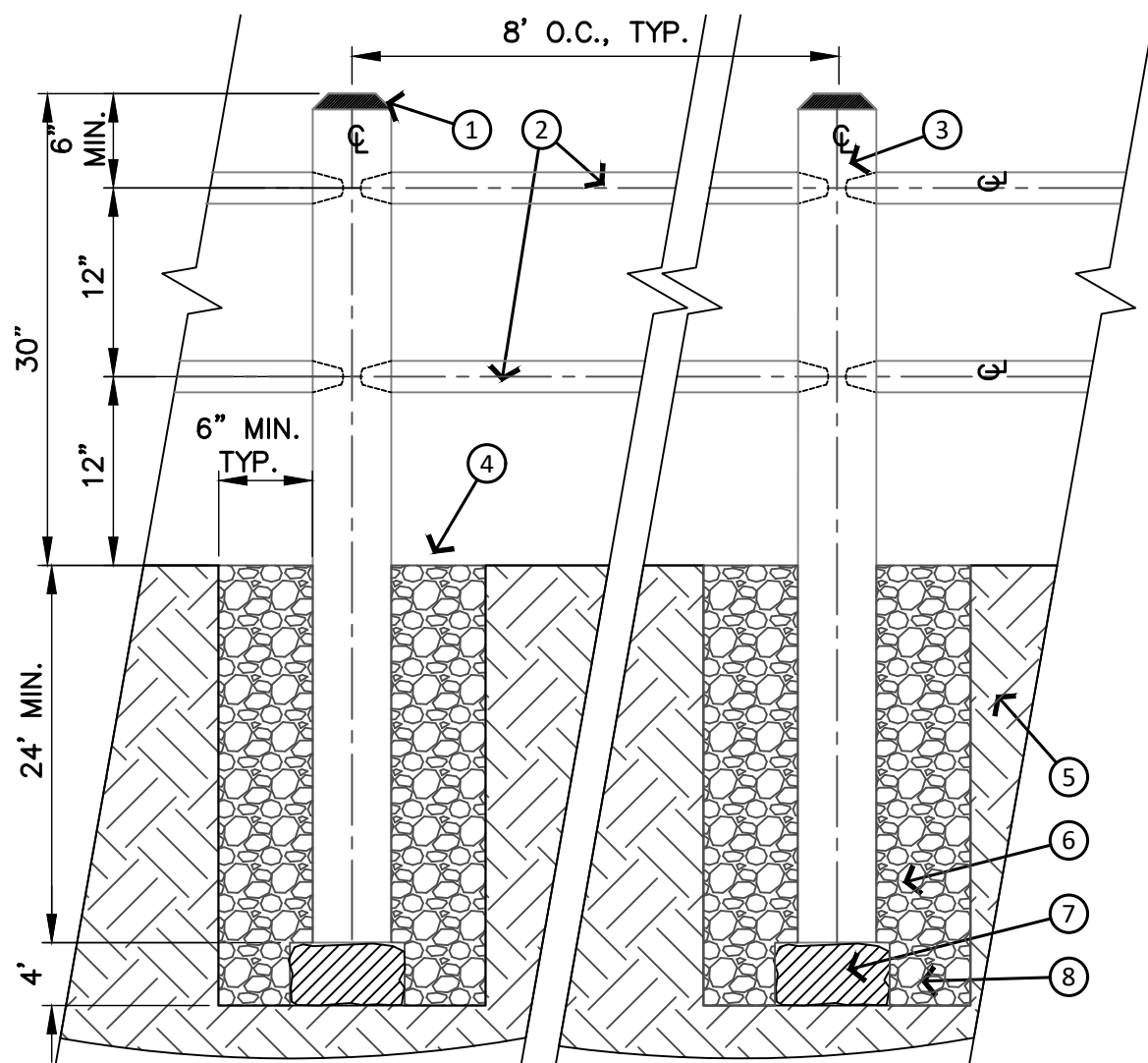
SCALE: 1" = 1' - 0"

COBBLES IN CONCRETE

SCALE: 1" = 1' - 0"

CRUSHED STONE PATH

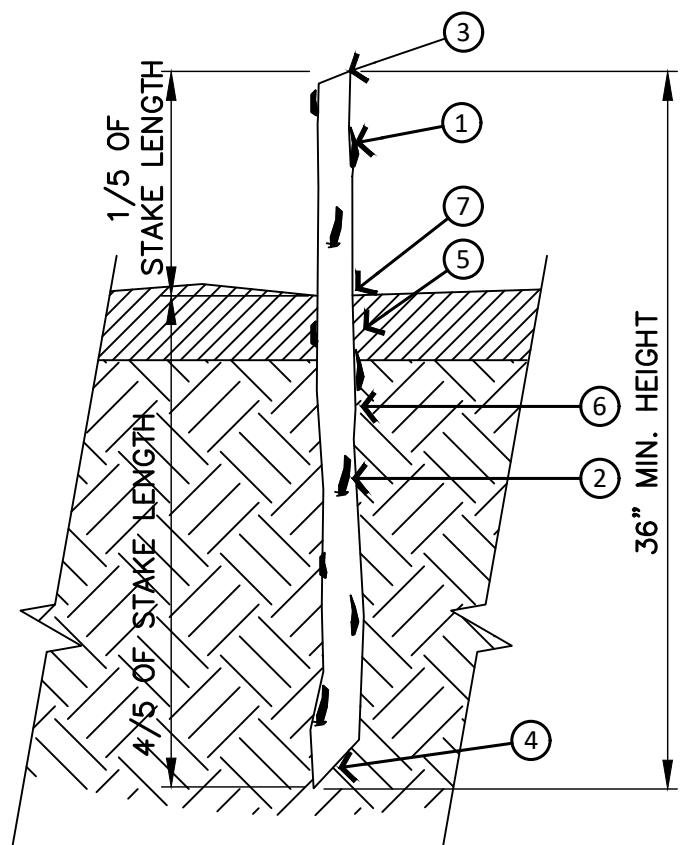
SCALE: 1" = 1' - 0"



1. EASE TOP EDGE - 1" CHAMFER
2. TENON RAILS, TYP.
3. MORTISE POSTS, TYP.
4. FEATHER GRADE FOR POSITIVE DRAINAGE
5. NATIVE SOIL
6. 1-1/4" MINUS GRAVEL FOOTING
7. SALVAGE ROCK
8. 95% COMPACTED SUBGRADE (SEC 312000/312200) OR 4" MIN. CRUSHED SURFACING TOP COURSE PER WSDOT 9-03.9(3) COMPACTED 95%

NOTE

A. SURFACES TO BE SANDED SMOOTH, FREE OF SPLINTERS OR ROUGH EDGES
B. SEE SPEC FOR SEALANT
C. ALL WOOD TO BE NON ARSENIC TREATED



1. MINIMUM 2 NODES ABOVE GROUND
2. MINIMUM 2 NODES UNDERGROUND
3. SQUARE CUT ON TOP
4. ANGLE CUT 30° ON BOTTOM
5. TAMP SOIL AND COMPOST MULCH AROUND CUTTING FOR FULL CONTACT AT NODES
6. PRE-DIG HOLES WITH POLE IF EXISTING SOIL IS TOO HARD FOR EASY INSERTION
7. CUTTINGS TO BE PLANTED PERPENDICULAR TO GROUND SURFACE

NOTE

A. CUTTINGS TO BE BETWEEN 3/4" AND 1-1/2" IN DIAMETER.

WOOD DOWEL FENCE

SCALE: 1" = 1' - 0"

LIVESTAKE

SCALE: 1" = 1' - 0"

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TEL: (360) 337-5777 FAX: (360) 337-4867

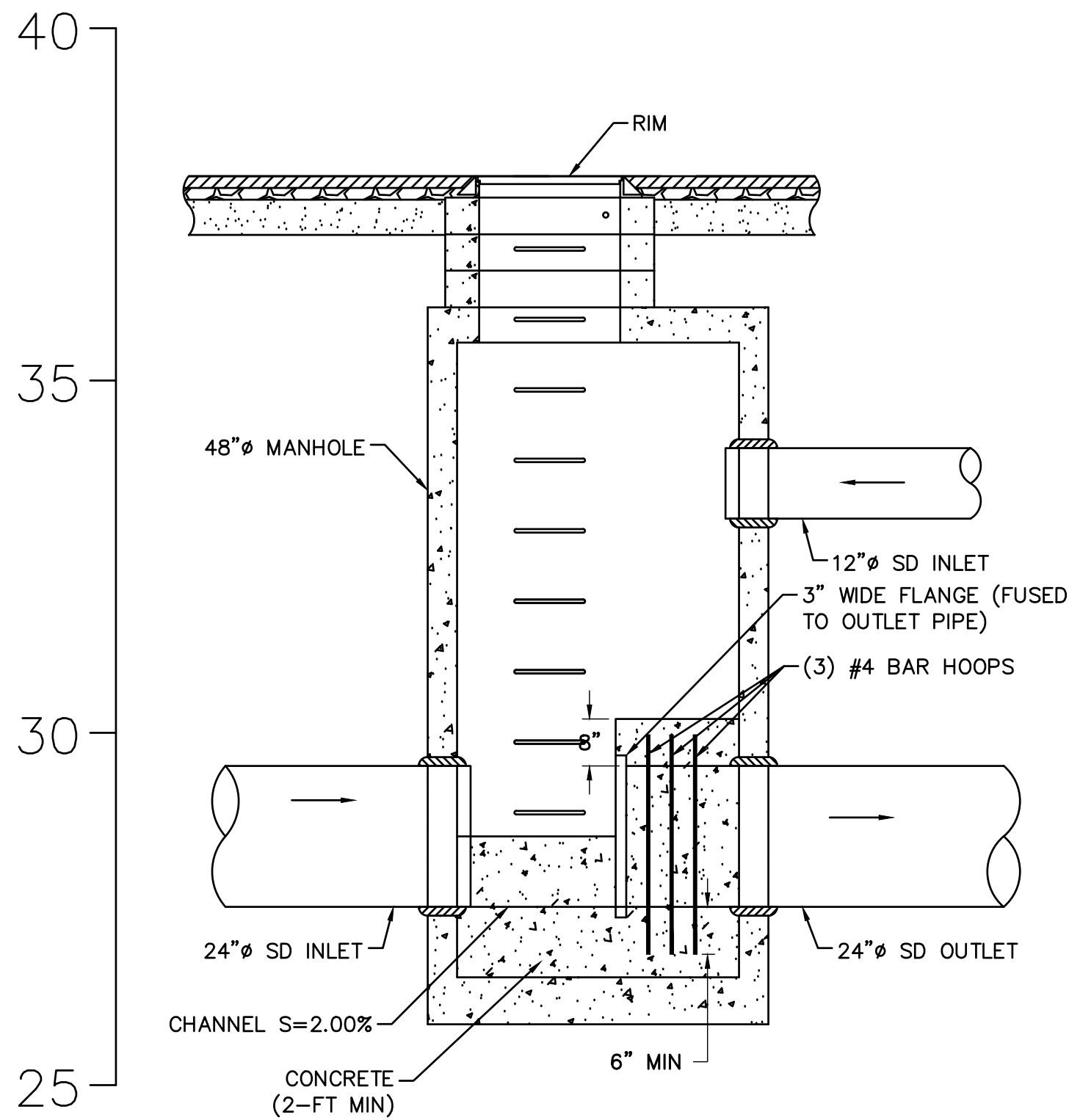
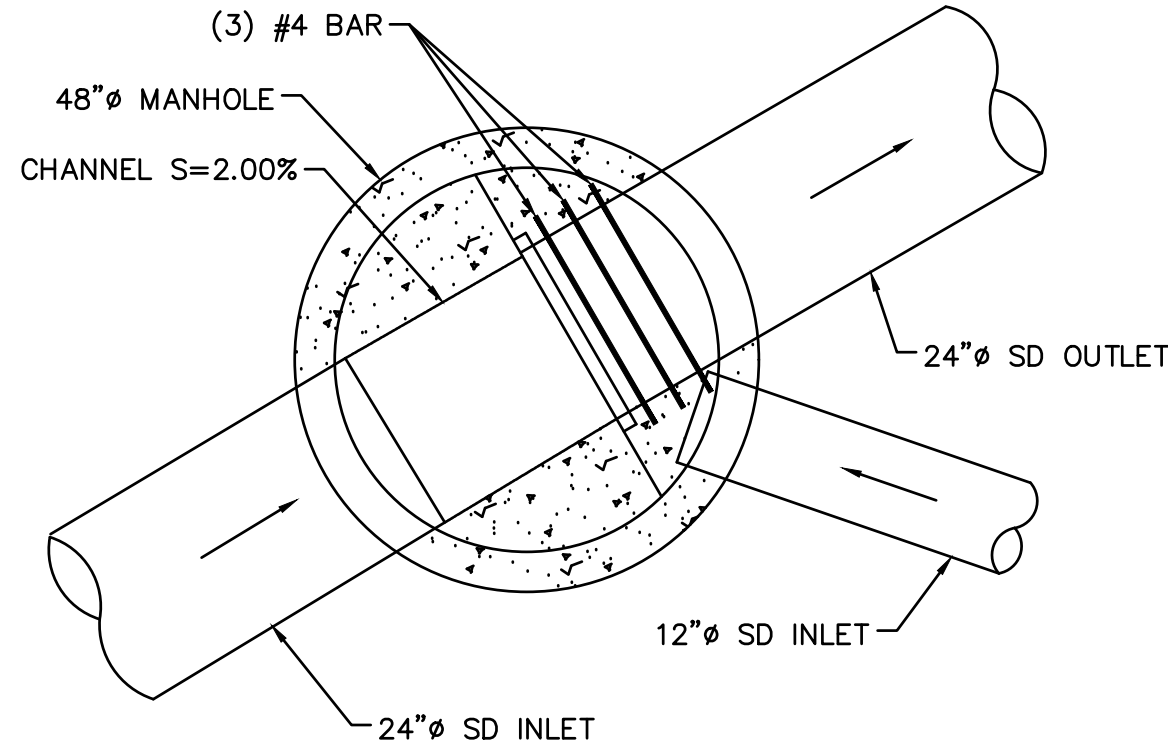
**SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
LANDSCAPE DETAILS - 2**

JOB# / DWG
10-190052
SCALE
H: N/A V: N/A

DATE
FEB 2025
SHEET
26 of 28

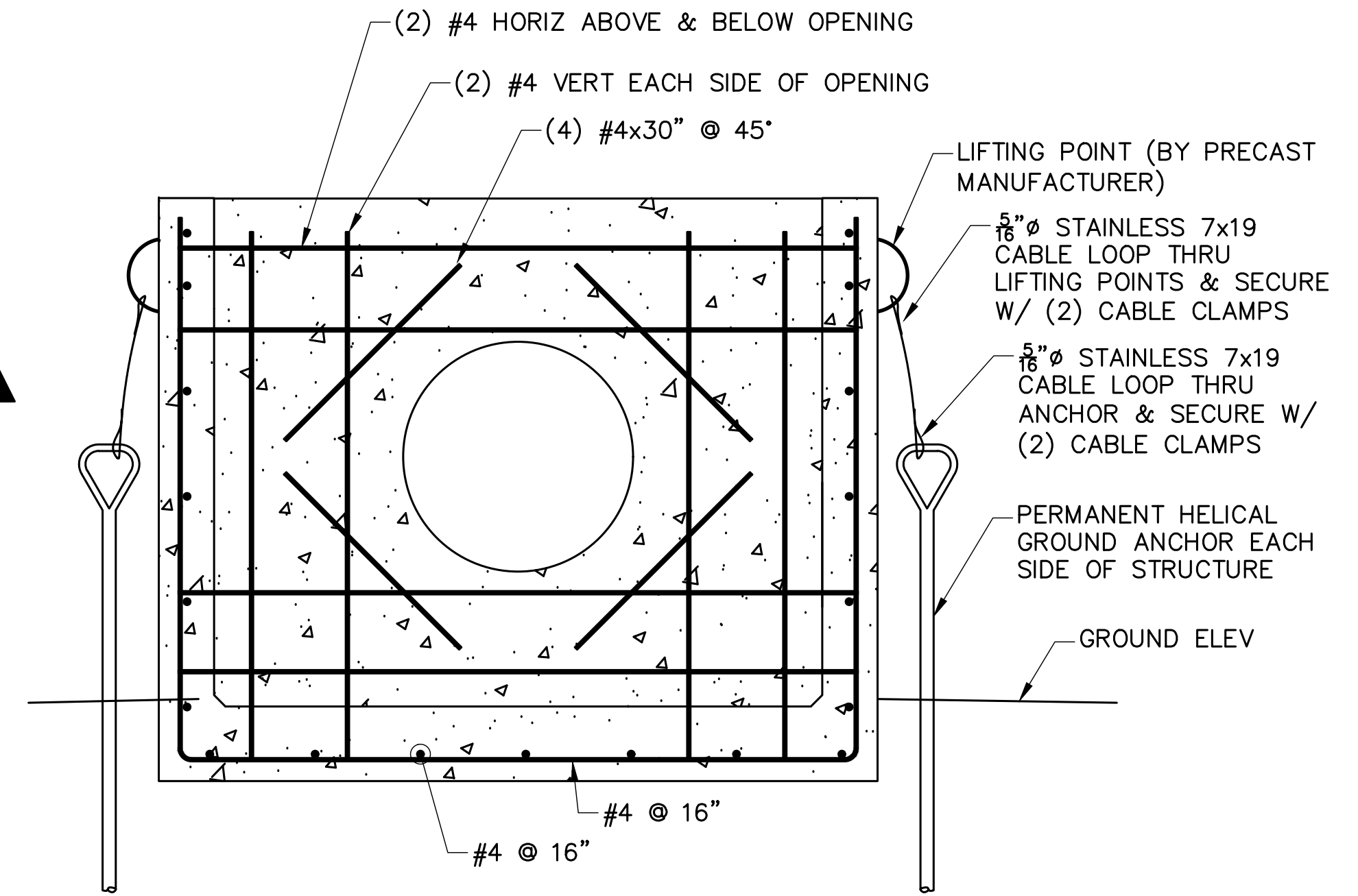
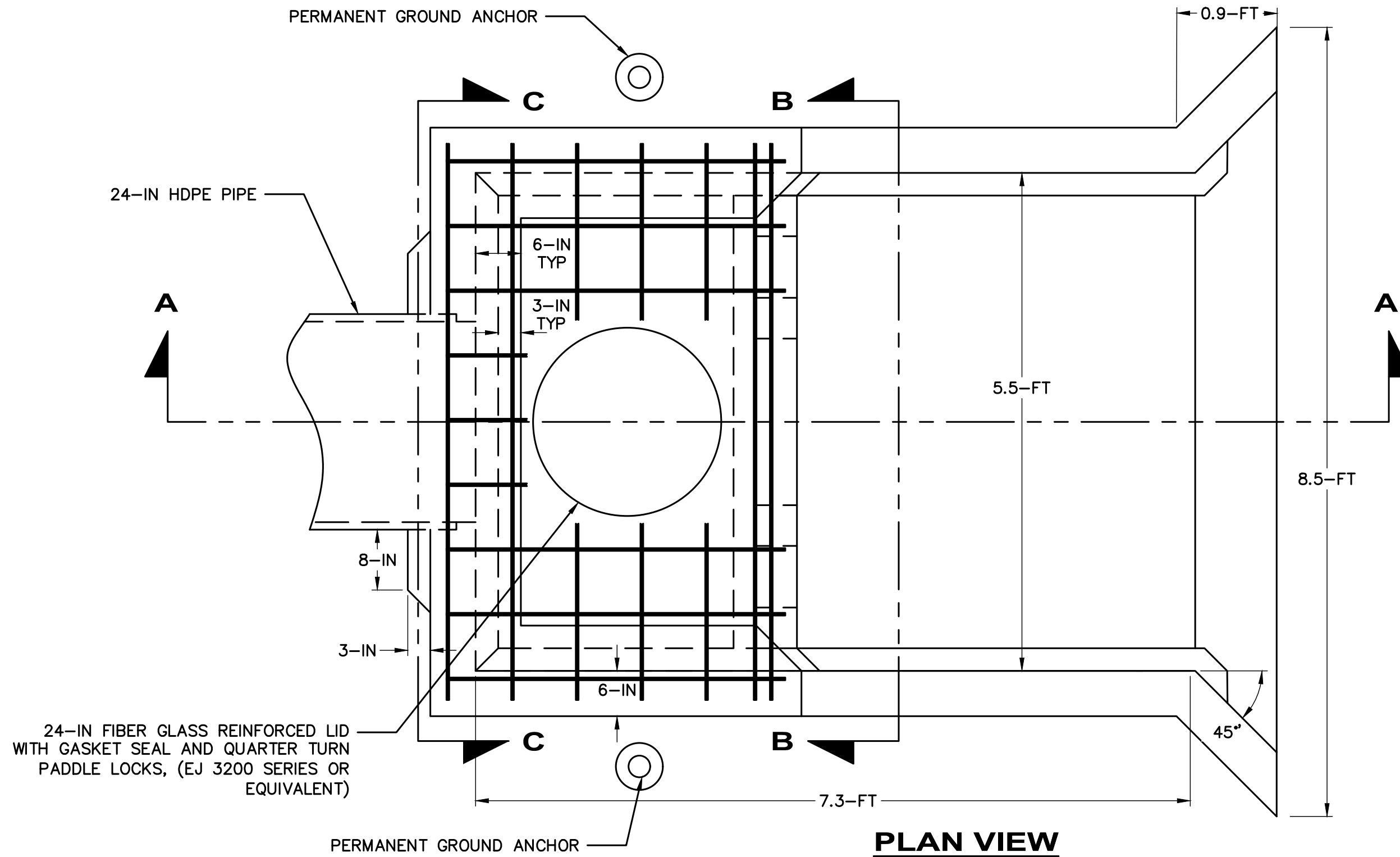


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PLOT TIME: 11/22/2024 3:48 PM
USER: NAME: LAURA TURNIDGE

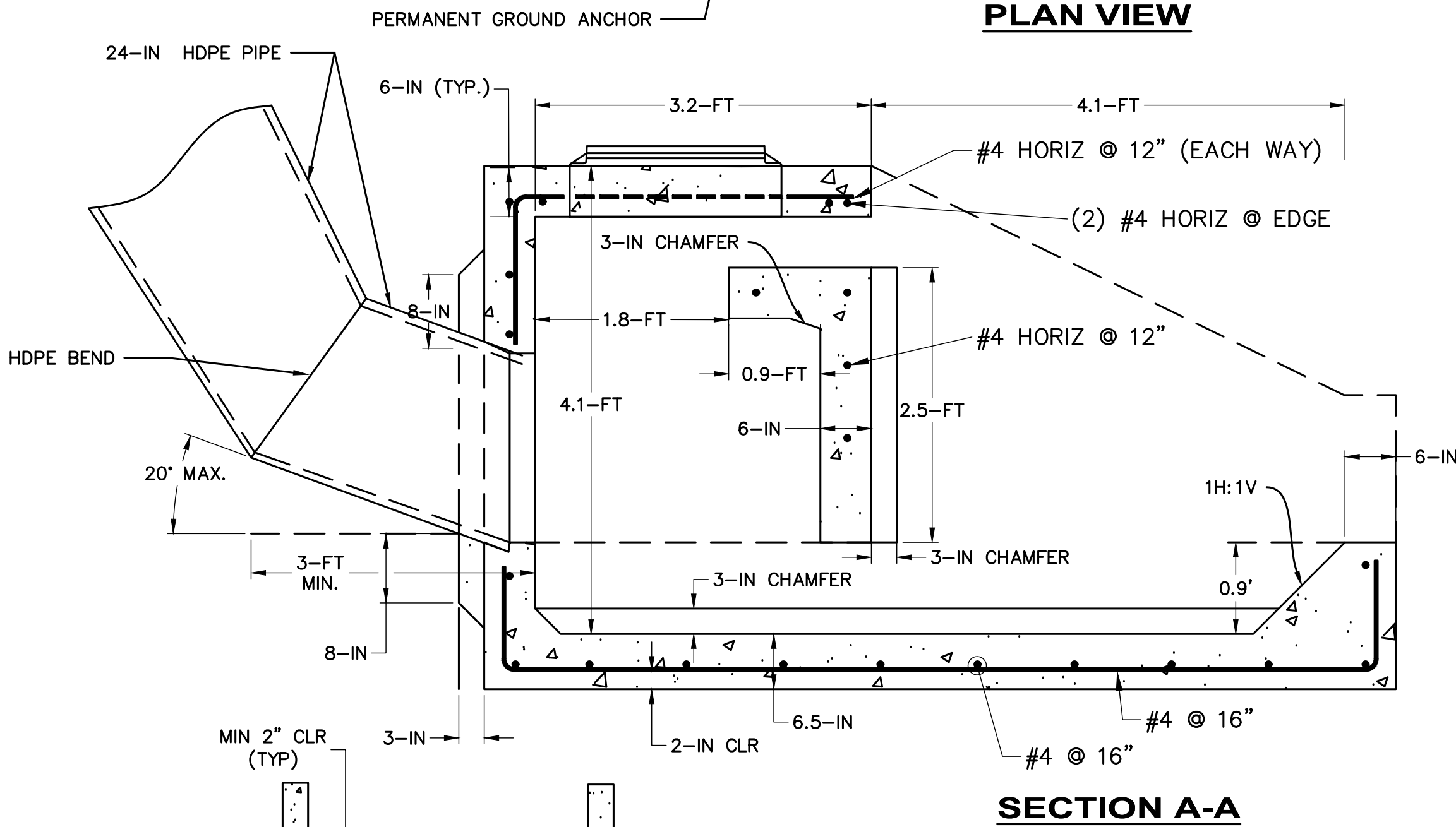


- NOTES:
- PIPE AND CB SIZES AND ELEVATION PER PROFILE ON SHEET 11.
 - STEEL BARS SHALL BE EPOXY COATED PER 9-07.3, TYP.
 - CONCRETE SHALL BE CLASS 4000 PER 6-02.3.

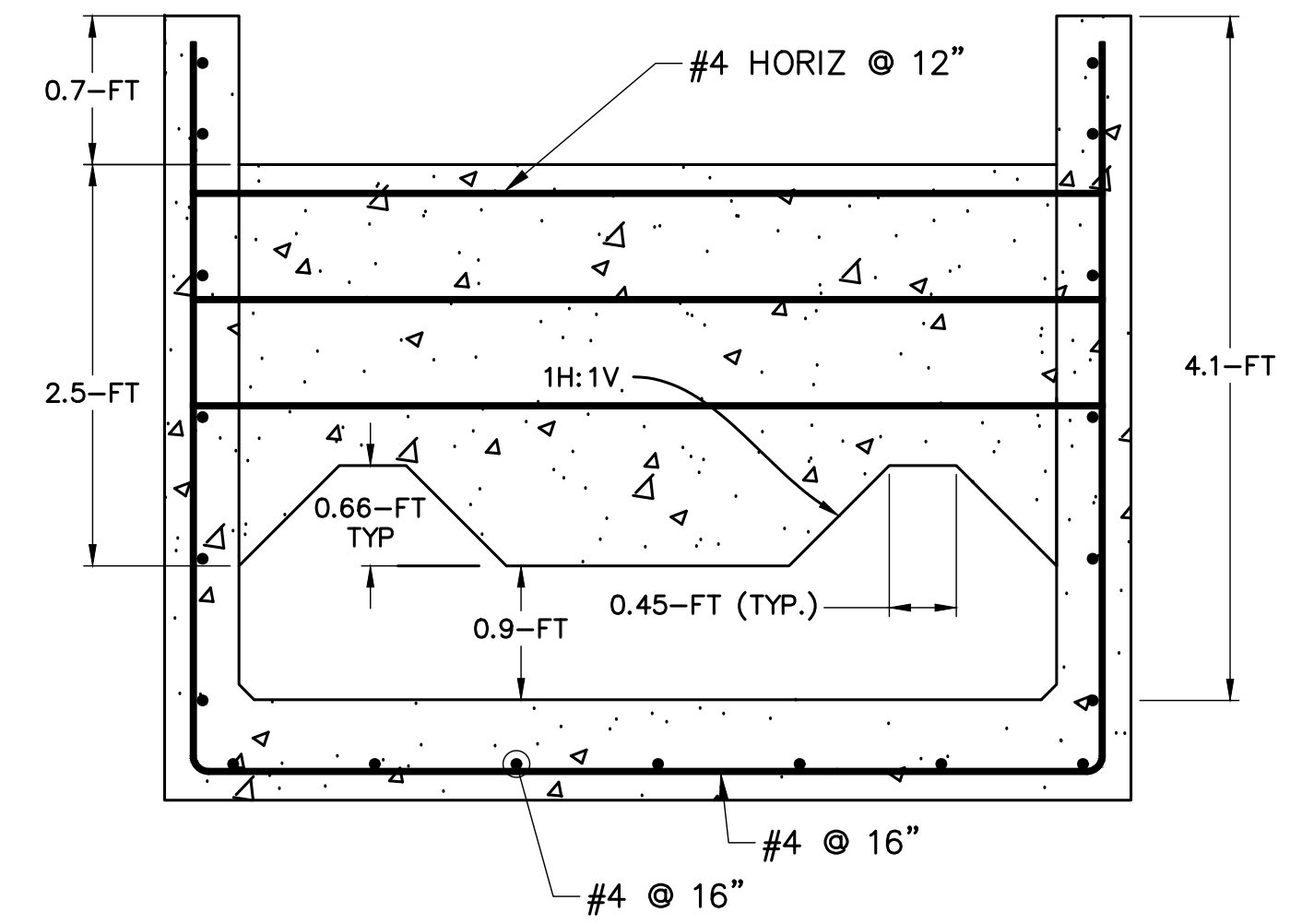
1
7
OUTFALL PIPE ANCHOR
N.T.S.



SECTION C-C



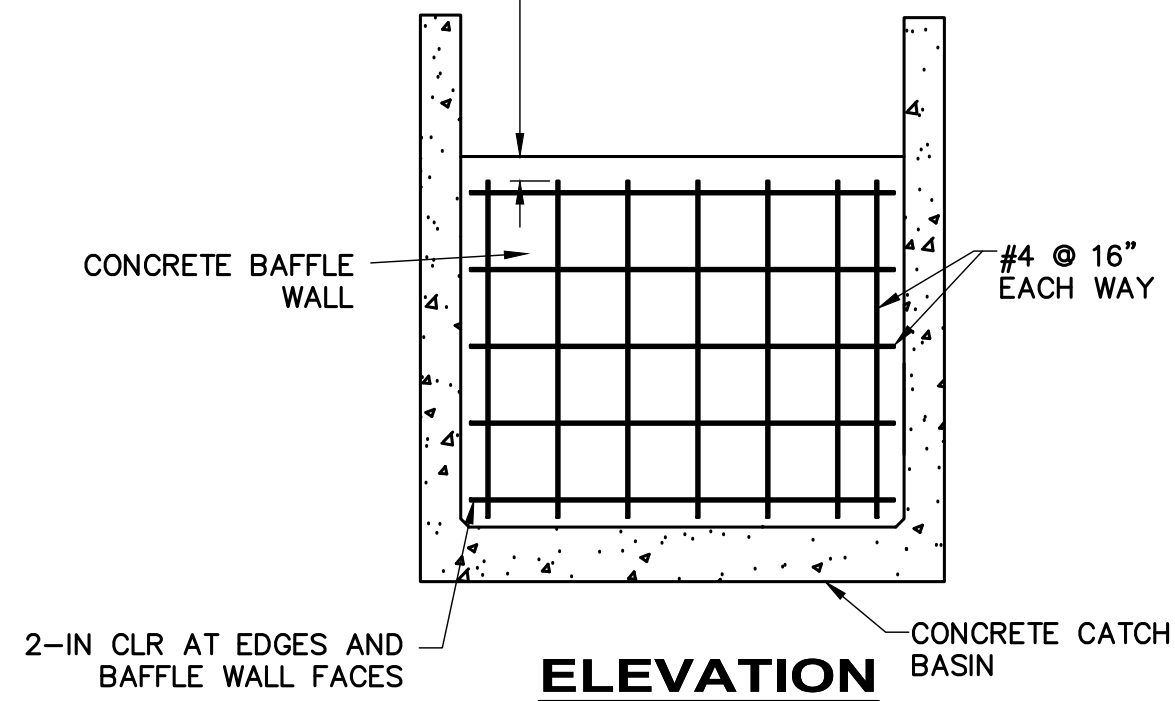
SECTION A-A



SECTION B-B

- NOTES:
- SEE SHEET 18 FOR PIPE CONNECTIONS AND ADJACENT IMPROVEMENTS.
 - STEEL BARS SHALL BE EPOXY COATED PER 9-07.3, TYP.
 - CONCRETE SHALL BE CLASS 4000 PER 6-02.3.
 - OUTFALL WALLS SHALL HAVE SMOOTH FINISH.

2
18
ENERGY DISSIPATOR
N.T.S.



ELEVATION

3
12
BAFFLE WALL REBAR DETAIL
N.T.S.

DESIGNED BY
MZ
DRAWN BY
MZ
CHECKED BY
CSC

Osborn Consulting

N.L. Olson & Associates, INC.

DEPARTMENT OF ECOLOGY
State of Washington

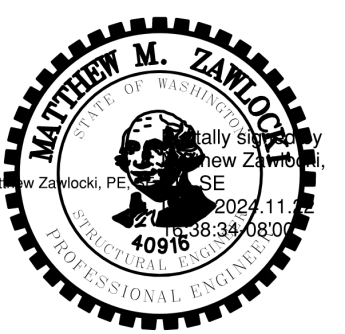
NO. DATE REVISION BY

KITSAP COUNTY
DEPT. OF PUBLIC WORKS

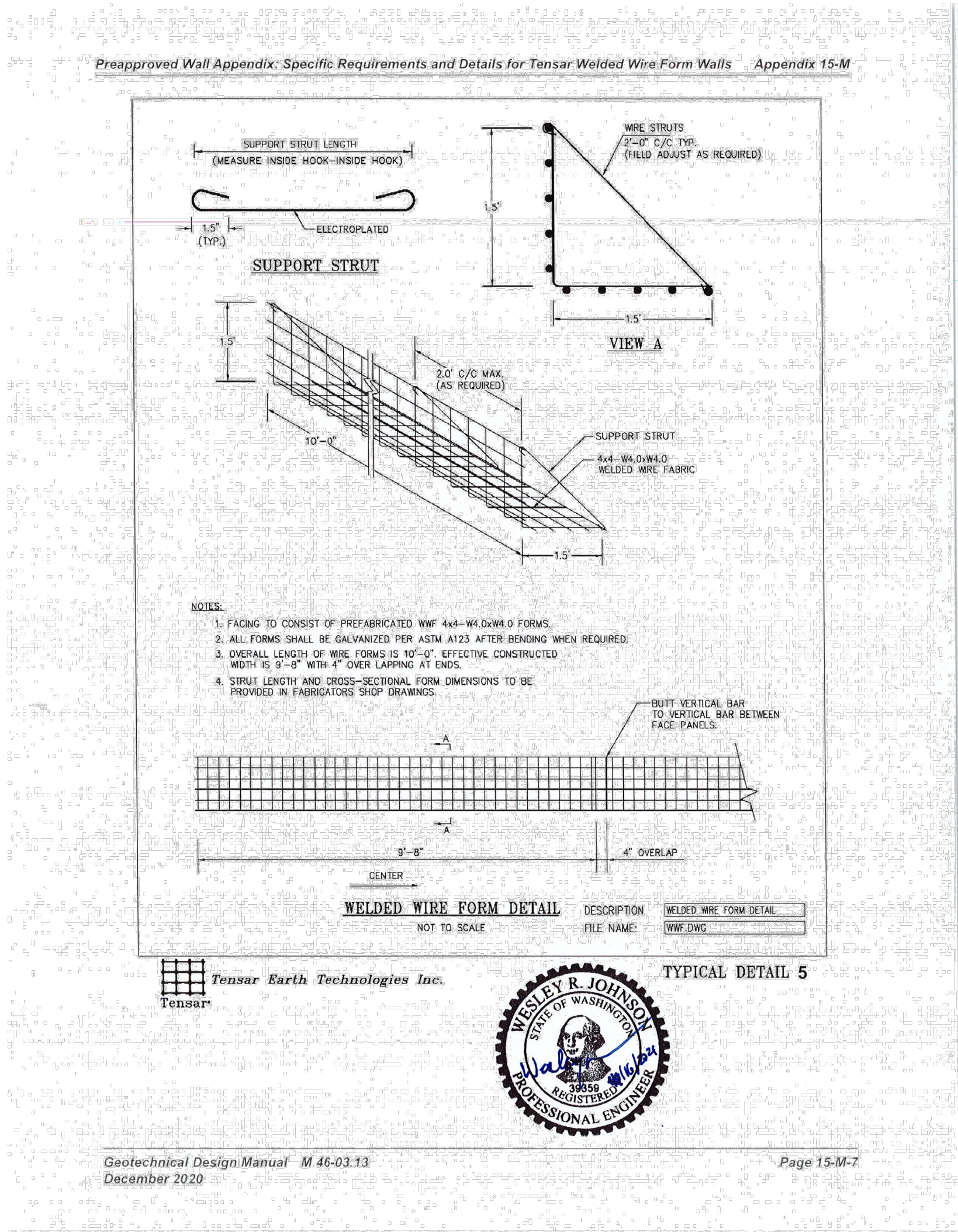
614 DIVISION STREET MS-26
PORT ORCHARD, WA 98366
TEL: (360) 337-5777 FAX: (360) 337-4867

SUQUAMISH REGIONAL STORMWATER TREATMENT FACILITY PROJECT
STRUCTURAL PLAN AND DETAILS

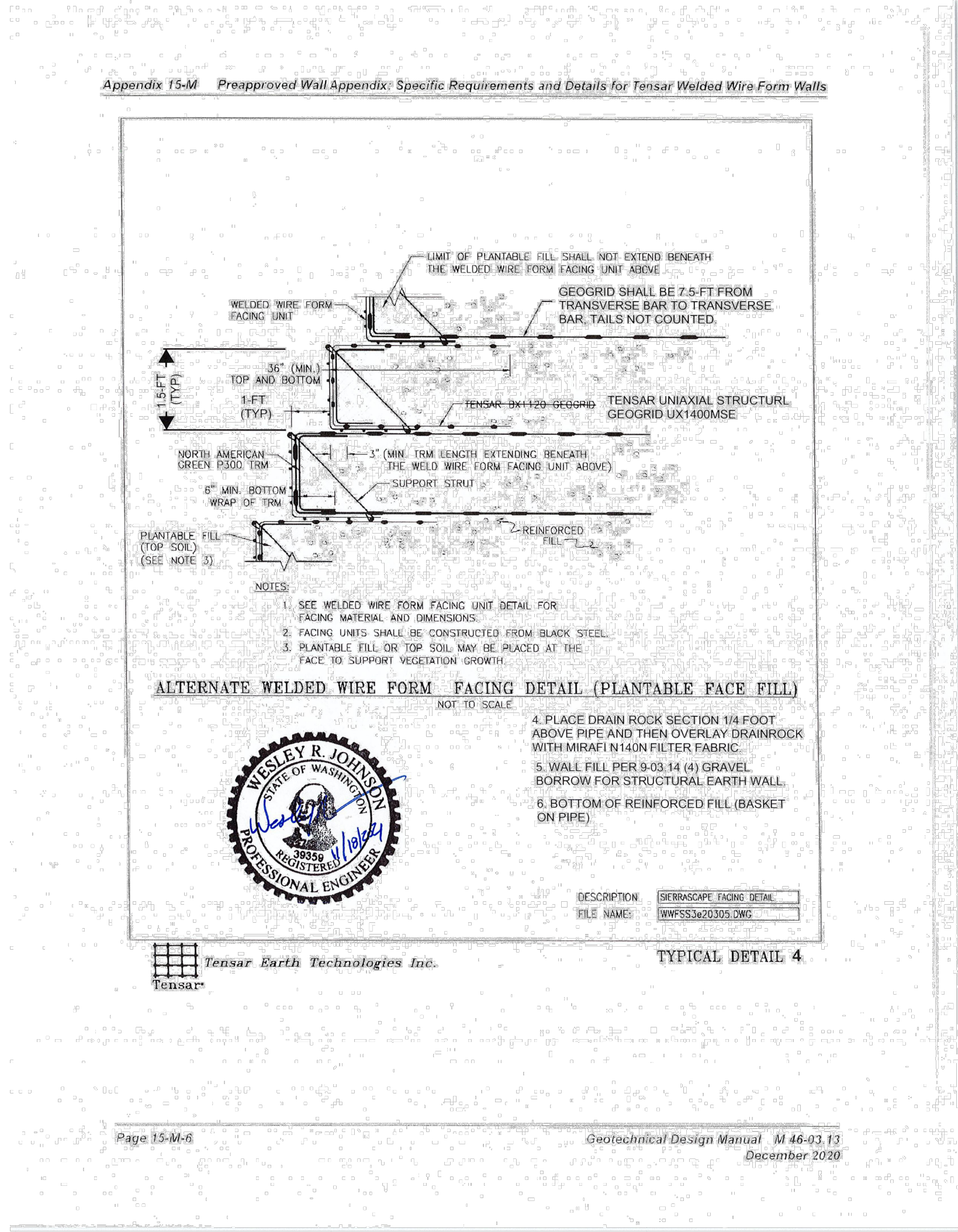
JOB# / DWG
10-190052
SCALE
H: N/A V: N/A
DATE
NOV 2024
SHEET
27 of 28



FILE NAME: P:\0-190052 KITSAP COUNTY SUQUAMISH REGIONAL STORMWATER\3 CAD\DWG\SHEETS\10-190052_STORM_DETAILS.DWG
PLOT TIME: 2/7/2025 11:28 AM
USER NAME: JACOB ROMERO



1
11
WELDED WIRE FORM DETAIL
N.T.S.



2
11
ALTERNATE WELDED WIRE FORM FACING DETAIL (PLANTABLE FACE FILL)
N.T.S.

DESIGNED BY
MRW/MP
DRAWN BY
JAR
CHECKED BY
CSC

Osborn
Consulting



NO.	DATE	REVISION	BY

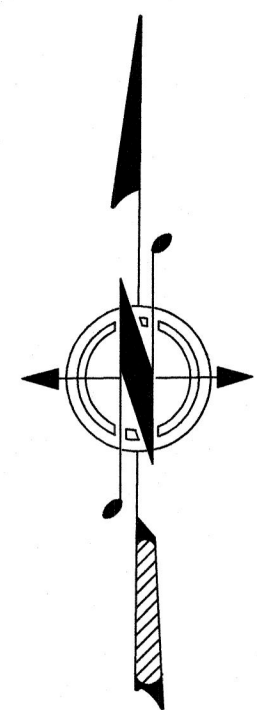


KITSAP COUNTY
DEPT. OF PUBLIC WORKS
614 DIVISION STREET MS-26
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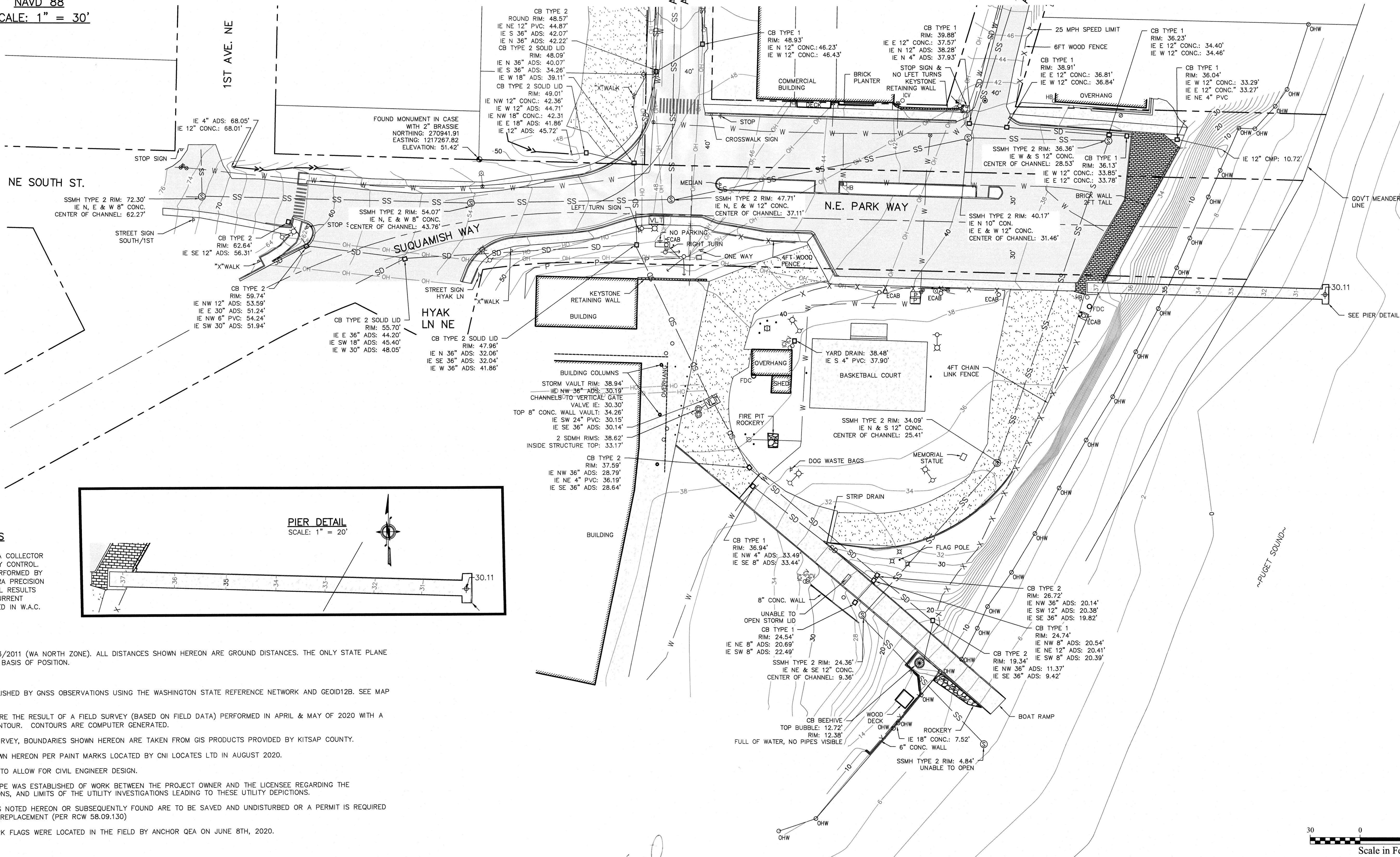
SUQUAMISH REGIONAL
STORMWATER TREATMENT
FACILITY PROJECT
WALL DETAILS

JOB# / DWG 10-190052	DATE FEB 2025
SCALE H: N/A V: N/A	SHEET 28 of 28

KITSAP SUQUAMISH REGIONAL STORMWATER TREATMENT FACILITY



NAVD 88
SCALE: 1" = 30'



PRACTICE/PROCEDURES

SP80 GPS AND RANGER 3 DATA COLLECTOR USED FOR GPS TIES TO SURVEY CONTROL. CONVENTIONAL SURVEY WAS PERFORMED BY FIELD TRAVERSE WITH A SPECTRA PRECISION FOCUS 35 TOTAL STATION. FINAL RESULTS MEETING OR EXCEEDING THE CURRENT TRAVERSE STANDARDS CONTAINED IN W.A.C. 332-130-090.

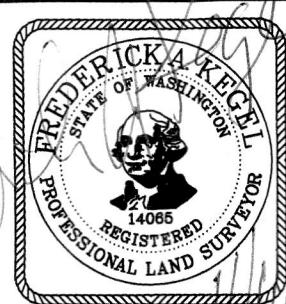
NOTES:

1. HORIZONTAL DATUM: NAD 83/2011 (WA NORTH ZONE). ALL DISTANCES SHOWN HEREON ARE GROUND DISTANCES. THE ONLY STATE PLANE COORDINATE "ON GRID" IS THE BASIS OF POSITION.
2. VERTICAL DATUM: NAVD88
3. TIES TO DATUM WERE ESTABLISHED BY GNSS OBSERVATIONS USING THE WASHINGTON STATE REFERENCE NETWORK AND GEOID12B. SEE MAP FOR BENCHMARKS.
4. CONTOURS SHOWN HEREON ARE THE RESULT OF A FIELD SURVEY (BASED ON FIELD DATA) PERFORMED IN APRIL & MAY OF 2020 WITH A TARGET ACCURACY OF 1/2 CONTOUR. CONTOURS ARE COMPUTER GENERATED.
5. THIS IS NOT A BOUNDARY SURVEY, BOUNDARIES SHOWN HEREON ARE TAKEN FROM GIS PRODUCTS PROVIDED BY KITSAP COUNTY.
6. UNDERGROUND UTILITIES SHOWN HEREON PER PAINT MARKS LOCATED BY CNI LOCATES LTD IN AUGUST 2020.
7. THIS WORK WAS PERFORMED TO ALLOW FOR CIVIL ENGINEER DESIGN.
8. NO STATEMENT OF THE SCOPE WAS ESTABLISHED OF WORK BETWEEN THE PROJECT OWNER AND THE LICENSEE REGARDING THE COMPREHENSIVENESS, EXCLUSIONS, AND LIMITS OF THE UTILITY INVESTIGATIONS LEADING TO THESE UTILITY DEPICTIONS.
9. ALL SURVEY MONUMENTS AS NOTED HEREON OR SUBSEQUENTLY FOUND ARE TO BE SAVED AND UNDISTURBED OR A PERMIT IS REQUIRED FROM DNR FOR REMOVAL AND REPLACEMENT (PER RCW 58.09.130)
10. ORDINARY HIGH WATER MARK FLAGS WERE LOCATED IN THE FIELD BY ANCHOR QEA ON JUNE 8TH, 2020.
11. 1 FOOT = 0.3048 METERS

REVISIONS

NO.	DATE	BY	DESCRIPTION	DESIGNED	DRAWN	CHECKED	APPROVED	ACCEPTED
VF	1/21		Added notes per WAC 332-130-145 & 58.20 RCW		VF			
VF	10/21		Survey Updates (Overhead Power & Water Revision)		FAK			

N.L. Olson & Associates, Inc.
Engineering, Planning and Surveying
(360) 895-2350 or (360) 876-2284
2453 Bethel Avenue, P.O. Box 637, Port Orchard, WA 98366



PHYSICAL FEATURES & TOPOGRAPHIC SURVEY

Portion of the Southwest Quarter of the Northeast Quarter, the Northwest Quarter of the Northeast Quarter, the Northwest Quarter of the Southeast Quarter, the Northeast Quarter of the Southwest Quarter, and the Southeast Quarter of the Northwest Quarter of Section 21, Township 26 North, Range 2 East, W.M. in Kitsap County, Washington

FOR:

**Osborn Consulting
Incorporated**
1800 112th Avenue NE Suite 220-E
Bellevue, WA 98004

SCALE: 1"= 30'

DATE: November 9, 2021

DRAWING NUMBER

20-10958

SHEET 1 OF 1