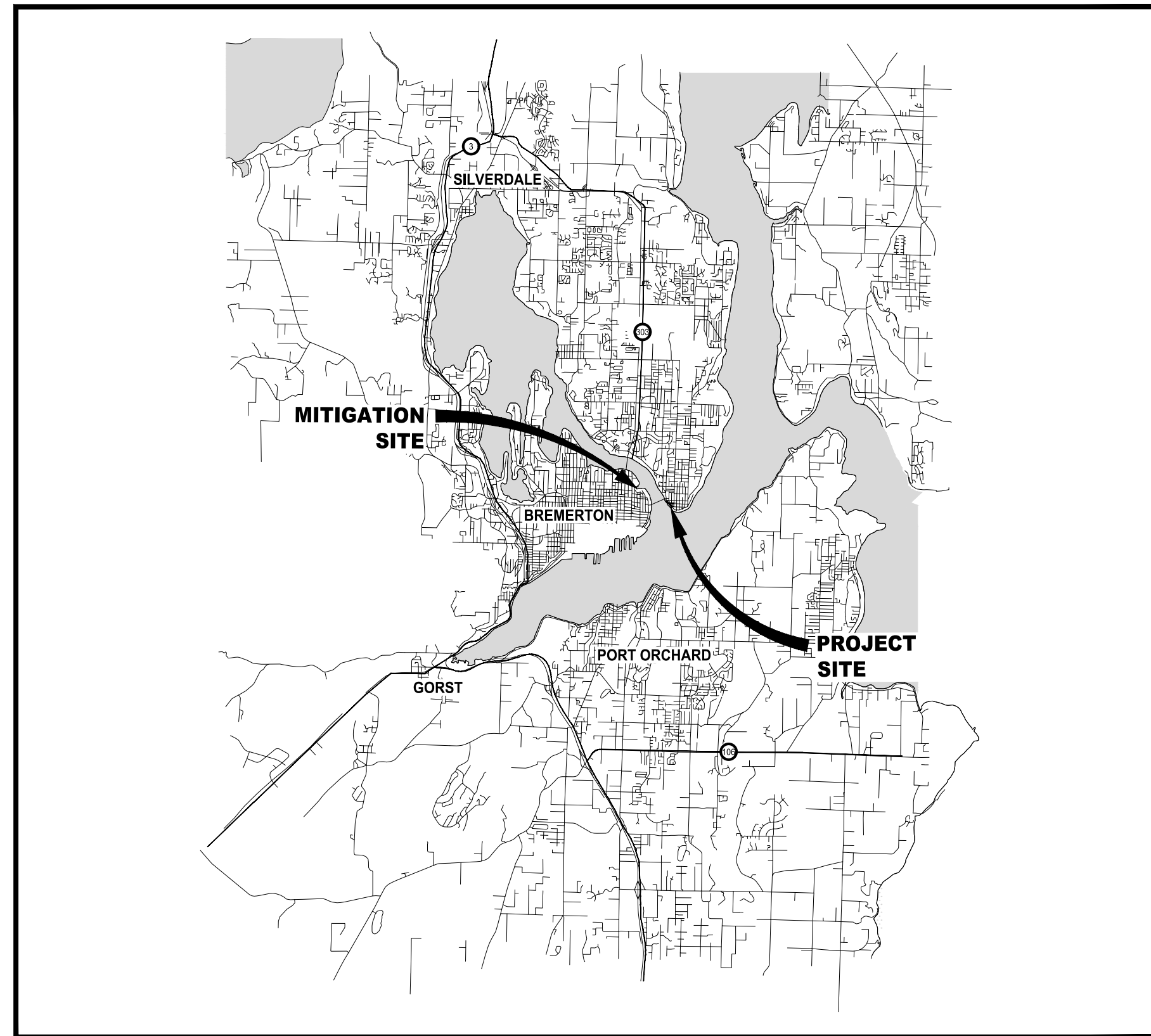




EAST 9TH STREET STORMWATER IMPROVEMENTS

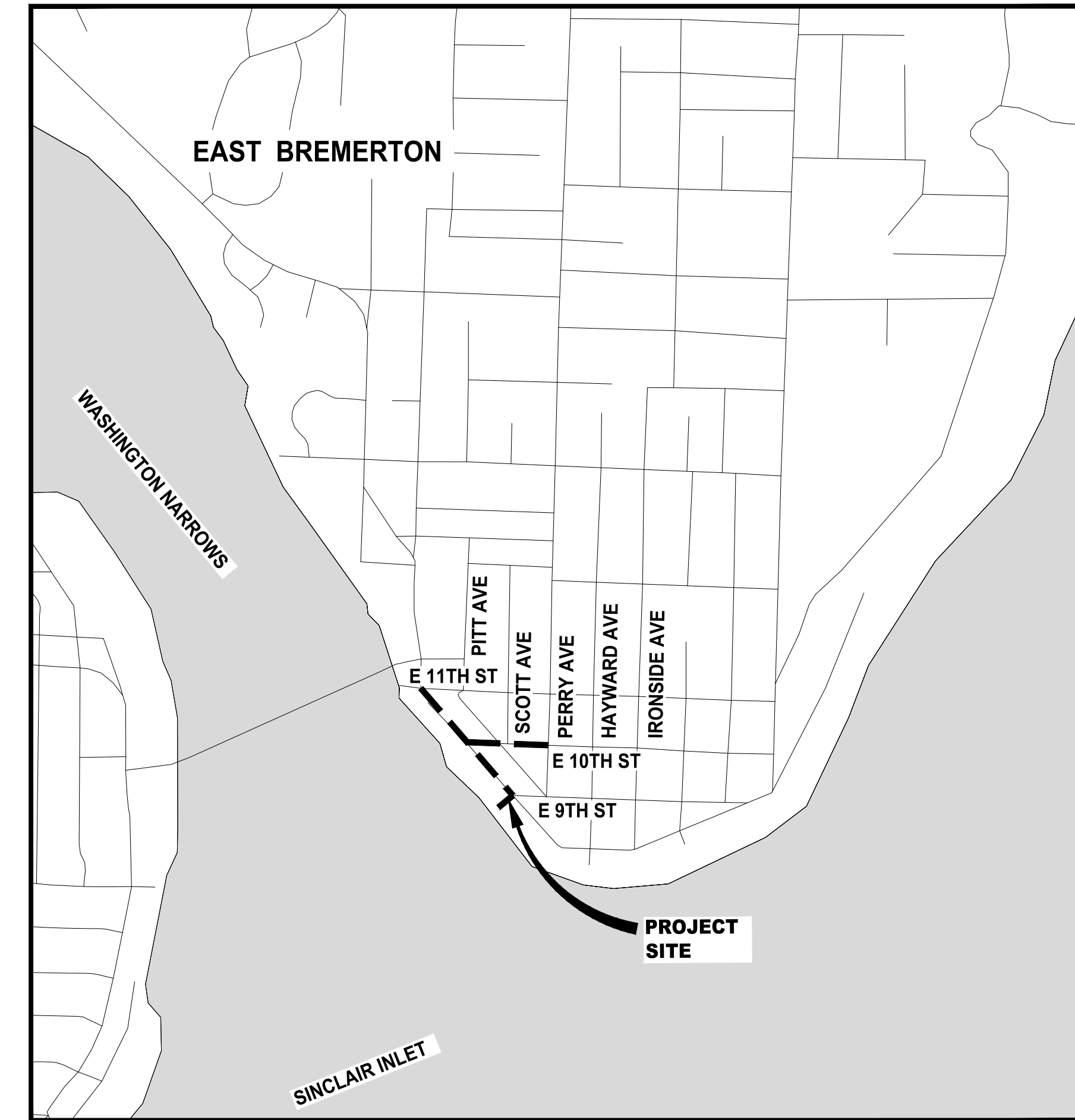
FUNDED IN PART BY THE AMERICAN RESCUE PLAN ACT (ARPA)

CITY PROJECT NO. 881
OCTOBER 2025



VICINITY MAP
NO SCALE

INDEX TO DRAWINGS		
SHT NO.	DWG NO.	SHEET TITLE
GENERAL		
1	G01	COVER SHEET
2	G02	LEGEND AND ABBREVIATIONS
3	G03	GENERAL / TESC NOTES
4	HC01	HORIZONTAL AND VERTICAL CONTROL PLAN
SITE PREPARATION		
5-6	DM01-DM02	DEMOLITION & TESC PLAN
CIVIL		
7-8	RS01-RS02	ROADWAY SECTIONS
9-13	RD01-RD05	ROADWAY PLAN AND PROFILE
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19	SD01	STORMWATER PROFILES
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23-29	GR01-GR07	INTERSECTION GRADING
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41	MIT01	SMITH COVE MITIGATION PLAN
42	MIT02	SMITH COVE MITIGATION PLAN - (PHOTOS AND NOTES)
STRUCTURAL & WALLS		
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55-56	CH01-CH02	SIGNING AND CHANNELIZATION PLAN
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58-61	UT01-UT04	UTILITIES PLAN
TRAFFIC CONTROL		
62-65	TC01-TC04	TEMPORARY TRAFFIC CONTROL / DETOUR PLANS



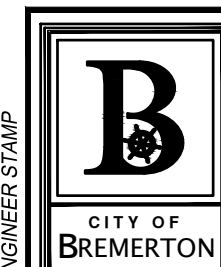
LOCATION MAP

APPROVED BY: _____
KATIE KETTERER
PROJECT MANAGER

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION



Know what's below.
Call before you dig.
Determina lo que esta bajo tierra.
Llama antes de excavar.



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C.ODEGARD
WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: J.AKADA
DATE: 10/29/2025

CHECKED BY: B.TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
COVER SHEET

SHEET
1 OF 65

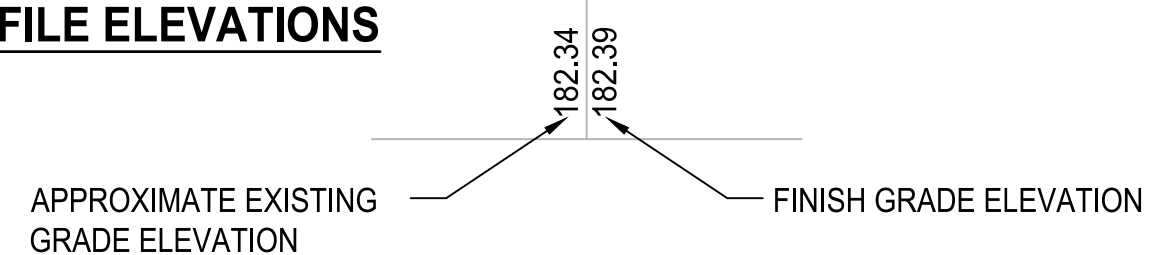
PN: 234-1896-196

PLATE
G01

LEGEND:

EXISTING:	PROPOSED:	DESCRIPTION:
		BACK OF CURB
		BACK OF WALK
		BARBED WIRE FENCE
		BUILDING LINE
		CABLE TV
		CENTERLINE
		CHAIN LINK FENCE
		CLEARING AND GRUBBING LIMITS
		CONCRETE LINE
		CUT LINE
		DITCH LINE
		EASEMENT
		EDGE OF ASPHALT
		EDGE OF GRAVEL
		FACE OF CURB
		FIBER OPTIC
		FILL LINE
		GAS
		MAJOR CONTOUR
		MINOR CONTOUR
		OVERHEAD POWER
		OVERHEAD COMMUNICATION
		PROPERTY LINE
		REMOVE PIPE
		RIGHT OF WAY
		SANITARY SEWER
		SAWCUT
		SIDEWALK
		STORM DRAIN (ABANDON)
		STORM DRAIN PIPE 6"
		STORM DRAIN PIPE 8"
		STORM DRAIN PIPE 10"
		STORM DRAIN PIPE 12"
		STORM DRAIN PIPE 15"
		STORM DRAIN PIPE 18"
		STORM DRAIN PIPE 24"
		STORM DRAIN PIPE 36"
		UNDERGROUND POWER
		UNDERGROUND COMMUNICATION
		WATER LINE
		WOOD FENCE

PROFILE ELEVATIONS

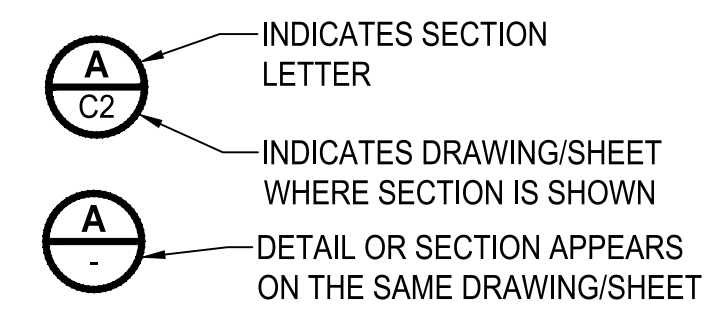
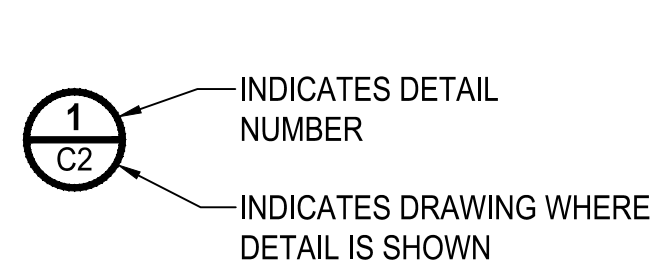


PLAN ELEVATIONS

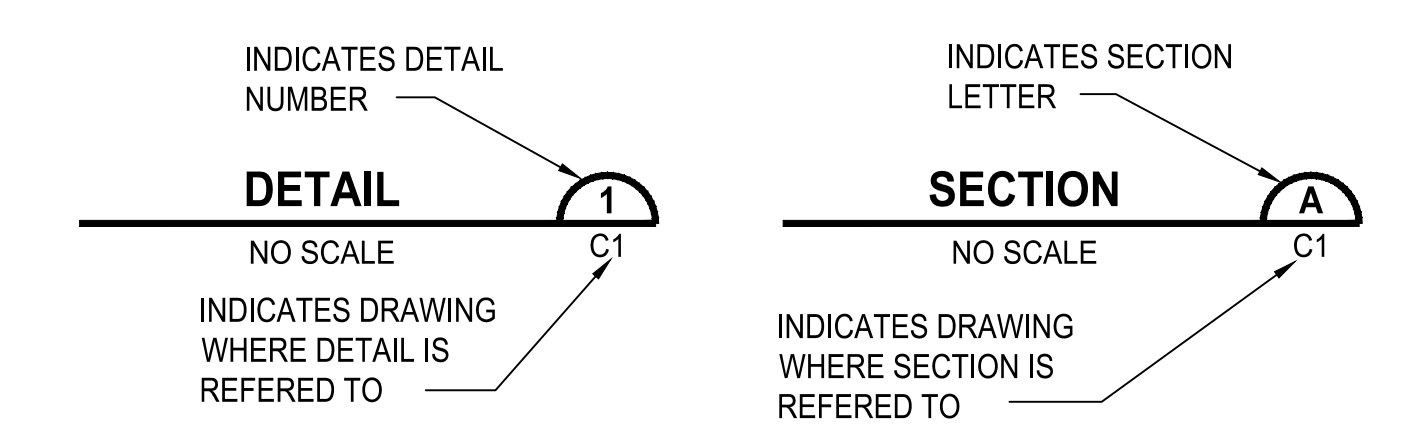


SECTION AND DETAIL DESIGNATIONS

DETAIL CALLOUT:

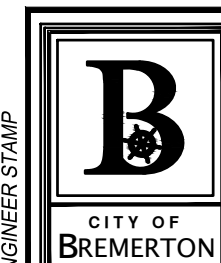


SECTION AND DETAIL DESIGNATION:



ABBREVIATIONS:

Δ	DELTA	MAX	MAXIMUM	WS	WATER SERVICE
AB/ABAND	ABANDONED	MEF	MAXIMUM EXTENT FEASIBLE	X-ING	CROSSING
ABBREV	ABBREVIATION	MH	MANHOLE		
ACP	ASPHALT CONCRETE PAVEMENT	MJ	MECHANICAL JOINT		
ADA	AMERICANS WITH DISABILITIES ACT	MIN	MINIMUM		
ADS	ADVANCED DRAINAGE SYSTEM	MON	MONUMENT		
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MPH	MILES PER HOUR		
AP	ANGLE POINT	MTD	MOUNTED		
APPROX	APPROXIMATE	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES		
APS	ACCESSIBLE PEDESTRIAN SYMBOLS	N	NORTH, NORTHING		
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	N/A, N.A.	NOT APPLICABLE		
ARPA	AMERICAN RESCUE PLAN ACT	NE	NORTHEAST		
ASPH	ASPHALT	NO.	NUMBER		
AVE	AVENUE	NW	NORTHWEST		
AWWA	AMERICAN WATER WORKS ASSOCIATION	OC, O.C.	ON CENTER		
BLDG	BUILDING	OD, O.D.	OUTSIDE DIAMETER		
BM	BENCHMARK	OFF	OFFSET		
BOW	BACK OF WALK	OHC	OVERHEAD COMMUNICATION(S)		
BP	BEGIN POINT	OHP	OVERHEAD POWER		
BVC	BEGIN VERTICAL CURVE	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION		
¢, C/L	CENTER LINE	P	POWER		
C/COM	COMMUNICATION(S)	PAVE	PAVEMENT		
C&G	CURB AND GUTTER	PPB	PEDESTRIAN PUSH BUTTON		
CB	CATCH BASIN	PC	POINT OF CURVATURE (BEGINNING OF CURVE)		
CDF	CONTROLLED DENSITY FILL	PCC	POINT OF COMPOUND CURVATURE		
CEM	CEMENT	PED	PEDESTRIAN		
CH	CHANNELIZATION	PG	PERFORMANCE GRADE		
CI	CAST IRON	PI	POINT OF INTERSECTION		
CIP	CAST IN PLACE	PKWY	PARKWAY		
CL	CLASS	PL	PROPERTY LINE / PLACE		
COB	CITY OF BREMERTON	POC	POINT ON CURVE		
CONC	CONCRETE	POLY/PVC	POLYVINYL CHLORIDE		
CONST	CONSTRUCTION	PRC	POINT OF REVERSE CURVATURE		
CS	CONSTRUCTION STAGING	PSE	PUGET SOUND ENERGY		
CSTC	CRUSHED SURFACING TOP COURSE	PSI	POUNDS PER SQUARE INCH		
CT	COURT	PT	POINT OF TANGENCY (END OF CURVE) / POINT		
D	DEPTH	PVC	POINT OF VERTICAL CURVE		
DET/DT	DETAIL	QTY/QUANT	QUANTITY		
DI	DUCTILE IRON	R	RADIUS/RAMP		
DIA, DIAM	DIAMETER	RCP	REINFORCED CONCRETE PIPE		
DR	DRIVE	RD	RADIUS / ROAD / ROADWAY		
DW/DRWY	DRIVEWAY	REQ'D	REQUIRED		
DWG	DRAWING	RPM	RAISED PAVEMENT MARKING		
E	EAST, EASTING / ELECTRICAL	RT	RIGHT		
EASE	EASEMENT	RR	RAIL ROAD		
EF	EACH FACE	R/W / ROW	RIGHT OF WAY		
EG	EXISTING GRADE	RW	ROADWAY		
EL,ELEV	ELEVATION	S	SOUTH		
EP	END POINT	SCH	SCHEDULE		
ESC	EROSION/SEDIMENTATION CONTROL	SD	STORM DRAIN / STORM DRAINAGE		
EVP	EDUCT VENT PIPE	SDCB	STORM DRAIN CATCH BASIN		
EW	EACH WAY	SDMH	STORM DRAIN MAN HOLE		
EX, EXST, EXIST.	EXISTING	SE	SOUTHEAST		
FG	FINISHED GRADE	SEG	SEGMENT		
FH	FIRE HYDRANT	SF	SQUARE FOOT		
FL	FLOWLINE	SG	SIGNAL		
FLG	FLANGE	SHT	SHEET		
FOC	FACE OF CURB	SN	SIGNING / SIGNAGE		
FT	FEET, FOOT	SP	SITE PREPARATION		
G	GAS / GENERAL	SPA	SPACING		
GA	GAUGE	SPEC	SPECIFICATION		
GAL	GALLON	SQ	SQUARE		
GALV	GALVANIZED	SRV	SAFETY RELIEF VALVE		
GR	GRADING	SS	SANITARY SEWER		
GV	GATE VALVE	SSMH	SANITARY SEWER MAN HOLE		
H	HORIZONTAL / HEIGHT	ST	STREET		
HDPE	HIGH DENSITY POLYETHYLENE	STA	STATION		
HGL	HYDRAULIC GRADE LINE	STD	STANDARD		
HMA	HOT MIX ASPHALT	STT	STEEL TAPPING TUBE		
HORIZ	HORIZONTAL	SW	SOUTHWEST/SIDEWALK		
HP	HIGH POINT	TCP	TRAFFIC CONTROL PERMIT		
HT	HEIGHT	TCE	TEMPORARY CONSTRUCTION EASEMENT		
HWY	HIGHWAY	TESC	TEMPORARY EROSION AND SEDIMENTATION CONTROL		
HYD	HYDRANT	TP	TRANSITION PANEL		
ICV	INFLOW CONTROL VALVE	TR	TELEPHONE RISER		
ID, I.D.	INSIDE DIAMETER	TYP	TYPICAL		
IE	INVERT ELEVATION	T&B	TOP AND BOTTOM		
IL	ILLUMINATION	V/VERT	VERTICAL		
IN	INCH	VEH	VEHICLE		
ISO	INTERNATIONAL ORGANIZATION FOR STANDARDIZATION	UG	UNDERGROUND		
JB	JUNCTION BOX	W	WATER / WEST / WIDTH		
JT	JOINT	WA	WATER UTILITY PLAN		
L	LENGTH/LANDING	W/	WITH		
LBS	POUNDS	WISHA	WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT		
LF	LINEAR FEET	WL	WALL		
LLC	LIMITED LIABILITY COMPANY	WM	WATER METER		
LN	LANE	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION		
LP, L.P.	LOW POINT				
LT	LEFT				
LUM	LUMINAIRE				



Parametrix

NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C.ODEGARD
WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: J.AKADA
DATE: 10/29/2025

CHECKED BY: B.TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS

LEGEND AND ABBREVIATIONS

SHEET
2 OF 65

PN: 234-1896-196

PLATE

G02

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

STORM DRAIN GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM TO CITY STANDARDS AND/OR STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AS APPLICABLE.
2. NO PART OF THE DRAINAGE SYSTEM SHALL BE COVERED, CONCEALED OR PUT INTO USE UNTIL IT HAS BEEN TESTED AND TESTING COVERED BY CITY INSPECTOR.
3. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF LOCATIONS AND TO AVOID DAMAGE TO ANY ADDITIONAL UTILITIES NOT SHOWN. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF THE EFFECTED CONSTRUCTION.
4. ALL STORM DRAIN WORK MUST BE STAKED FOR LINE AND GRADE PRIOR TO STARTING CONSTRUCTION.

GENERAL NOTES

1. THE CONTRACTOR SHALL CALL THE UTILITY LOCATION REQUEST CENTER PRIOR TO ANY EXCAVATION WORK. NO EXCAVATION SHALL BEGIN UNTIL ALL UNDERGROUND UTILITIES HAVE BEEN LOCATED.
2. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, LATEST EDITION, AND CITY OF BREMERTON STANDARDS.
3. THE CONTRACTOR SHALL MEET THE CONDITIONS OF ALL PROJECT PERMITS AND LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.
4. THE CONTRACTOR SHALL LIMIT THE AREA OF CLEARING TO ONLY THAT WHICH IS SHOWN IN THE PLANS. ALL DISTURBED AREAS SHALL BE GRADED TO MATCH THE EXISTING GROUND AND PROMPTLY HYDROSEEDDED.
5. 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. SEE SPECIAL PROVISIONS SECTION 1-07.15.

SEDIMENT / EROSION CONTROL GENERAL NOTES

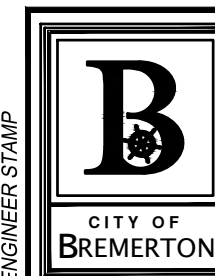
1. PROTECT EXISTING STORM WATER INFRASTRUCTURE ON EXISTING ROADS NEAR CONSTRUCTION ENTRANCES FROM SEDIMENT-LADEN RUNOFF.
2. WHEN TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ARE NO LONGER NEEDED, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THEM AND RESTORE OR FINISH THE AREAS UNLESS OTHERWISE DIRECTED BY THE CITY.
3. THE TEMPORARY EROSION CONTROL SYSTEM SHALL BE INSTALLED PRIOR TO ALL OTHER CONSTRUCTION.
4. WHERE POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
5. AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, THE EROSION CONTROL FACILITIES SHALL BE MAINTAINED AND/OR ALTERED AS REQUIRED BY THE ENGINEER TO INSURE CONTINUING EROSION/SEDIMENTATION CONTROL.
6. ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL AND THE POTENTIAL FOR EROSION HAS PASSED.
7. ALL DISTURBED LAND AREAS LEFT FOR 30 DAYS OR MORE SHALL BE SEEDED WITH A MIX AND BY A METHOD APPROVED BY THE CITY AND MAINTAINED UNTIL SEED GERMINATION IS ASSURED.
8. THE PUBLIC RIGHT-OF-WAY SHALL BE KEPT CLEAN. TRACKING OF MUD AND DEBRIS FROM THE SITE ONTO THE PUBLIC RIGHT-OF-WAY WILL NOT BE ALLOWED. FAILURE TO COMPLY WITH THIS CONDITION WILL RESULT IN ALL WORK ON THE SITE BEING STOPPED.
9. CLEANUP AND RESTORATION. THE FOLLOWING PROCEDURES SHALL BE FOLLOWED IN CLEANING AND RESTORING THE CONSTRUCTION SITE:
 - A. STREET SHALL BE SWEEPED EACH DAY AS NEEDED.
 - B. DISTURBED SOILS SHALL BE FINAL GRADED, SEEDED, AND MULCHED; OR SODDED AFTER THE INSTALLATION OF THE UTILITY.
 - C. DITCHES SHALL BE SEEDED, JUTE MATTED, NETTED, SODDED, OR ROCK LINED TO CONTROL EROSION.
 - D. ANY DEBRIS INCLUDING ROCKS, COBBLES, DIRT, AND SILT OF DOWNSTREAM DRAINAGE FACILITIES, WHETHER DITCHES OR PIPE AND CATCH BASINS, WHICH RESULTS FROM THE CONSTRUCTION, SHALL BE CLEANED OUT.
10. EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES.

CONSTRUCTION NOTES

1. MAINTAIN CONVEYANCE OF STORM DRAINAGE, SEWAGE FLOWS, AND WATER SERVICE DURING THE CONSTRUCTION. WHEN AN OUTAGE IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE CITY 72 HOURS AHEAD OF THE OUTAGE, THE OUTAGE SHALL NOT EXCEED 4 HOURS UNLESS APPROVED BY THE CITY.
2. ALL FLOWS FROM CUT UTILITIES SHALL BE BYPASSED. SUPPLY AND MAINTAIN ALL EQUIPMENT FOR BYPASSING STORMWATER AND WASTEWATER FLOW. ALL BYPASSING METHODS SHALL BE REVIEWED BY THE CITY PRIOR TO IMPLEMENTATION. ALL COSTS FOR BYPASSING FLOW SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS.
3. VERIFY LOCATIONS, ELEVATIONS, DIAMETERS, MATERIALS, STRUCTURE TYPES, AND OTHER PARAMETERS OF EXISTING FACILITIES TO WHICH NEW STRUCTURES/PIPING WILL CONNECT BEFORE ORDERING MATERIALS.
4. SURVEY AND FIELD STAKE ALL ALIGNMENTS PRIOR TO EXCAVATION. SUBMIT RECORD DRAWINGS BASED ON FIELD SURVEY UPON COMPLETION OF PROJECT.
5. HORIZONTAL DIMENSIONS AND STATION OFFSETS FOR PIPELINES, MANHOLES, AND OTHER FACILITIES ON PLAN AND PROFILE SHEETS ARE TO CONSTRUCTION CENTERLINE UNLESS SPECIFICALLY NOTED OTHERWISE. INVERT ELEVATIONS IN MANHOLES AND OTHER STRUCTURES IDENTIFIED IN THE PLANS REFERS TO THE ELEVATIONS AT THE INVERT OF THE PIPE.
6. MANHOLES AND STRUCTURES ARE SHOWN ON THE PLANS SYMBOLICALLY. CONSTRUCT MANHOLES AND STRUCTURES AS SHOWN ON THE DETAILED DRAWINGS AND AS SPECIFIED.
7. UTILITY CROSSINGS ARE GENERALLY SHOWN ON THE PLAN AND PROFILE DRAWINGS WHEN KNOWN. IF DEPTH IS NOT SHOWN, THE CITY MAY DIRECT THE CONTRACTOR TO POT HOLE THE UTILITY TO CONFIRM THE ELEVATION PRIOR TO CONSTRUCTION. POT HOLING IS PAID AS A UNIT BID ITEM.
8. WHERE KNOWN, RESIDENTIAL WATER SERVICE LINES ARE SHOWN ON THE PLAN AND PROFILE SHEETS. WATER SERVICE LINE DEPTHS AND LOCATIONS ARE NOT KNOWN WITH CERTAINTY. THE CONTRACTOR SHALL CAREFULLY WORK IN THE VICINITY OF WATER SERVICE LINES. NOTIFY THE CITY WHEN NEARING A WATER SERVICE LINE.
9. USE EXTREME CAUTION WHEN EXCAVATING NEAR GAS MAINS. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE GAS COMPANY WHEN WORKING IN THE VICINITY OF GAS MAINS, WHICH MAY INCLUDE HAVING A REPRESENTATIVE FROM THE GAS COMPANY ON-SITE DURING CONSTRUCTION AND POT HOLING.
10. OVERHEAD UTILITY CABLES (E.G. POWER, CABLE, ETC.) ARE GENERALLY NOT SHOWN. DETERMINE THE EXTENT OF HAZARDS OR IMPACTS ON CONSTRUCTION ACTIVITIES DURING THE BIDDING PROCESS AND PRIOR TO MOBILIZATION. FOLLOW LAWFUL AND SAFE PROCEDURES DURING CONSTRUCTION FOR WORKING AROUND OVERHEAD POWER. COORDINATE WITH THE RESPECTIVE FRANCHISE UTILITY (I.E. GAS, CABLE, POWER, TELEPHONE) FOR LOCATING PIPING OR CONDUIT.
11. COORDINATE WITH UTILITY PROVIDERS AS NEEDED WHILE WORKING IN THE VICINITY OF UTILITY POLES OR BURIED UTILITIES TO ENSURE UTILITIES ARE NOT DAMAGED OR UNDERMINED DURING SUBSURFACE CONSTRUCTION.
12. PLACE AND MAINTAIN TEMPORARY PAVEMENT PATCHING (COLD MIX ASPHALT) IF FINAL PAVEMENT RESTORATION DOES NOT OCCUR IMMEDIATELY AFTER BACKFILLING.
13. PRIOR TO FINAL SAWCUTTING IN PREPARATION FOR SURFACE RESTORATION, THE CONTRACTOR SHALL WALK AREAS DESIGNATED FOR RESTORATION WITH THE ENGINEER TO DETERMINE SAWCUT LINES.



Know what's below.
Call before you dig.
 Determina lo que esta bajo tierra.
Llama antes de excavar.



Parametrix

NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. ODEGARD DRAWN BY: J. AKADA CHECKED BY: B. TUMBLING
 WA P.E.# N/A DATE: 10/29/2025 DATE: 10/29/2025 WA P.E.# 20123355 DATE: 10/29/2025

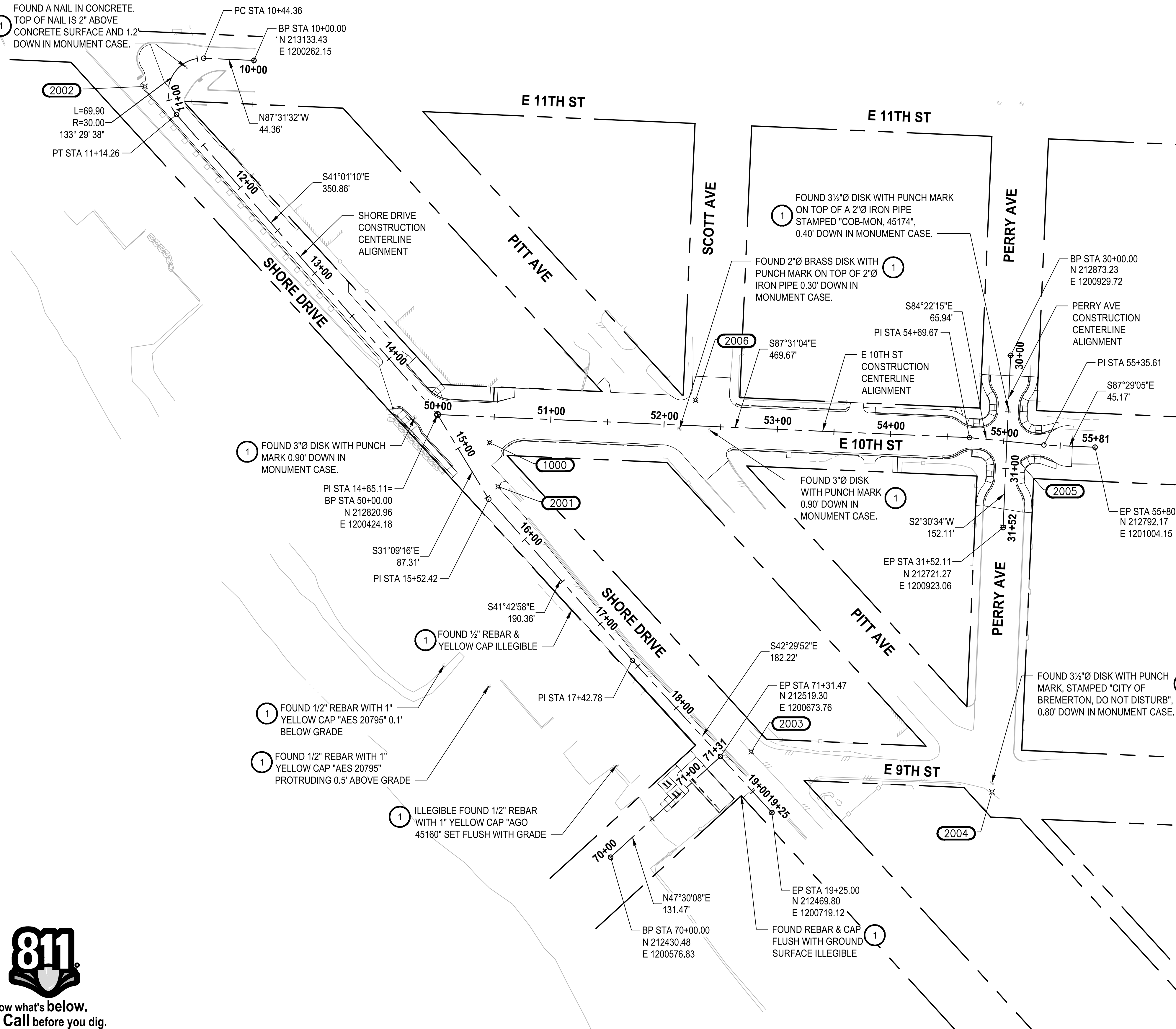
SECTION, TOWNSHIP, RANGE: S13, T24N, R1E, W.M.
GRANT/LOAN INFORMATION ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS

GENERAL / TESC NOTES

SHEET 3 OF 65
PN: 234-1896-196
PLATE G03

90 % REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION



SURVEY NOTES:

- THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY IN FEBRUARY-MARCH, 2024. ADDITIONAL SURVEY WORK WAS DONE IN JULY, 2024 ALONG E 10TH ST BETWEEN PERRY AVE AND PITT AVE.
- CONVENTIONAL AND GPS SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
- THIS SURVEY WAS PREPARED BY FIELD TRAVERSE AS PER WAC 332-130-090, PART C. RELATIVE ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.
- ALL SURFACE FEATURES AND INVERT STRUCTURE ELEVATION SHOWN HEREON WERE FIELD LOCATED AND MEASURED BY PARAMETRIX FOR THIS SURVEY. UNDERGROUND UTILITY LINES ARE BASED UPON A COMBINATION OF ASBUILT PLANS, SURFACE FEATURE MEASUREMENTS AND ONSITE UNDERGROUND UTILITY MARKINGS PERFORMED BY OTHERS.
- 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 SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH MAY REVEAL RESTRICTIONS OR EASEMENTS OF RECORD. ACCORDINGLY, NONE ARE SHOWN HEREON.
- CONTOURS ARE SHOWN AT 1 FOOT INTERVALS.
- THE RIGHT OF WAY LINES WERE DETERMINED WITH A COMBINATION FIELD EVIDENCE AND RECORDED DOCUMENT FILES.
- THE INTENDED PURPOSE OF THIS SURVEY IS FOR CIVIL ENGINEERING DESIGN.

HORIZONTAL DATUM:

HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983, 1991 REALIZATION (NAD 1983/91), WASHINGTON PLANE NORTH ZONE COORDINATE SYSTEM, U.S. SURVEY FEET. THE HORIZONTAL DATUM IS BASED ON PUBLISHED INFORMATION FROM THE WASHINGTON DEPARTMENT OF TRANSPORTATION (WSDOT), POINT DESIGNATIONS MAN 3 AND MAN 5.

POINT DESIGNATION MAN 3
NORTHING: 214655.030
EASTING: 1200157.754

POINT DESIGNATION MAN 5
NORTHING: 213063.652
EASTING: 1201210.193

REFERENCES:

- PLAT OF DECATUR, VOLUME 1 PAGE 67
- RECORD OF SURVEY, VOLUME 45 PAGE 83
- RECORD OF SURVEY, VOLUME 58 PAGE 230
- RECORD OF SURVEY, VOLUME 90 PAGE 58
- CONDOMINIUM, VOLUME 10 PAGE 192
- RECORD OF SURVEY, VOLUME 62 PAGE 131
- DEED RECORDED UNDER AFN 324390
- DEED RECORDED UNDER AFN 201601130090

STATISTICS:

EQUIPMENT: TRIMBLE R10 GPS AND TRIMBLE S7 ROBOTIC TOTAL STATION
METHODOLOGY: FIELD TRAVERSE AND GPS.
MEETS OR EXCEEDS SURVEY STANDARD AS PER:
WAC 332-130-050
WAC 332-130-090
WAC 332-130-100
ALL SURVEY WORK OCCURRED IN FEBRUARY OF 2024.

LEGEND:

- RIGHT OF WAY
- ① PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER, SEE SPECIFICATIONS SECTION 8-13

VERTICAL DATUM:

VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATIONS MAN 3 AND MAN 5.

POINT DESIGNATION MAN 3
ELEVATION: 127.51

POINT DESIGNATION MAN 5
ELEVATION: 93.54

VERTICAL DATUM TIES TO MEAN LOWER LOW WATER ORIGINATING FROM U.S.C. & G.S. TIDAL BENCH MARK ON RECORD OF SURVEY FOR WASHINGTON DEPARTMENT OF NATURAL RESOURCES AUDITORS FILE NUMBER 200512060341 VOLUME 65 PAGE 37 STAMPED NO. 9 SUB 2 RESET LOCATED ON THE FRONT STEPS OF THE BREMERTON POST OFFICE AT 6TH STREET AND PACIFIC IN BREMERTON, WASHINGTON
MEAN LOWER LOW WATER MARKED ELEVATION OF 71.45

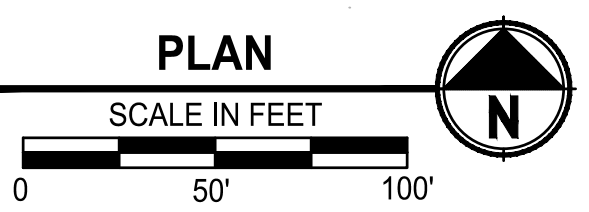
DATUM PLANE	MLLW
NAVD88	
HIGHEST ESTIMATED TIDE	14.70± 0.5
MEAN HIGHER HIGH WATER	11.74
8.99	
MEAN HIGH WATER	10.87
8.12	
MEAN (HALF) TIDE LEVEL	6.85
4.10	
NGVD	6.23
3.48	
MEAN LOW WATER	2.83
0.08	
MEAN LOWER LOW WATER	0.00
-2.75	
LOWEST ESTIMATED TIDE	-4.50± 0.5

PARAMETRIX HAS TIES TO THIS SAME MONUMENT (NO. 9 SUB 2 RESET) IN NAVD88 DATUM, WHICH DOES NOT MATCH EXACTLY WITH THIS RECORD OF SURVEY NOR THE NGS DATA SHEET.
FOR THE CONVERSION PARAMETRIX HELD THE NAVD88 FIELD TIE TO THIS MONUMENT AND USED THE DELTA FROM MLLW TO NAVD88 FOR REFERENCE SO THE ADJUSTMENT FROM NAVD88 TO MLLW IS:

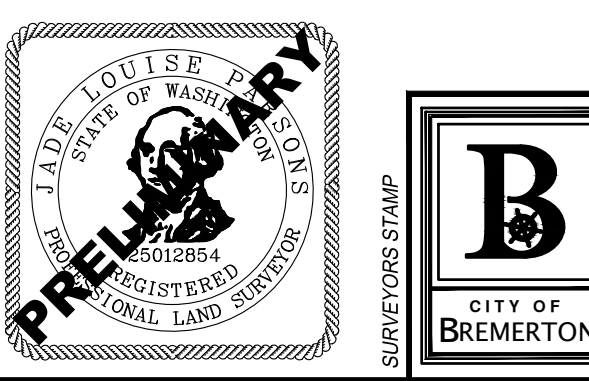
NAVD88 PLUS 2.75' = MLLW

MLLW MINUS 2.75' = NAVD88

CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	212796.20	1200470.10	20.99	XMAG
2001	212757.44	1200477.63	20.40	XMAG
2002	213110.45	1200165.98	32.72	XMAG
2003	212523.56	1200700.89	31.36	XMAG
2004	212488.16	1200913.29	45.97	XMAG
2005	212778.78	1200937.79	59.24	XMAG
2006	212833.56	1200651.77	36.83	XMAG



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: J. PARSONS
WA P.L.S.# 25012854 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS

HORIZONTAL AND VERTICAL CONTROL PLAN

SHEET
4 OF 65

PN: 234-1896-196

PLATE
HC01

FILE: P:\5166196-HC01 LAYOUT: HC01 PATH: U:\P50\Projects\Clients\1896-CityOfBremerton\234-1896-196 E31S13T24N19E\99Spec\CADD\DWG PLOTTED BY: Akadobis DATE: Wednesday, October 23, 2025 5:53:18 PM

GENERAL NOTES:

- FOR ADJUSTING UTILITIES TO GRADE SEE RD SHEETS.
- CONTRACTOR SHALL REMOVE CURB, GUTTER, AND SIDEWALK TO THE NEAREST JOINT OUTSIDE THE REMOVAL LIMITS NOTED.
- INLET PROTECTION REQUIRED ON ALL NEW CATCH BASINS UNTIL PAVING IS COMPLETE.
- CONTRACTOR SHALL MAINTAIN ACCESS FOR RESIDENTS AND BUSINESSES AT ALL TIMES.
- UTILITIES SHOWN ON THE PLAN VIEW ARE APPROXIMATE LOCATIONS FROM BEST AVAILABLE INFORMATION AND MAY BE INCOMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT WWW.CALLBEFOREYODIG.ORG
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES.
- MORE MONUMENTS AND PROPERTY CORNERS MAY EXIST THAN WHAT ARE SHOWN ON THE PLANS. CONTRACTOR SHALL VERIFY AND PROTECT OR RE-ESTABLISH ALL EXISTING MONUMENTS AND PROPERTY CORNERS. CONTRACTOR SHALL SALVAGE ALL EXISTING SIGNS AND POSTS AND GIVE TO CITY ENGINEER.

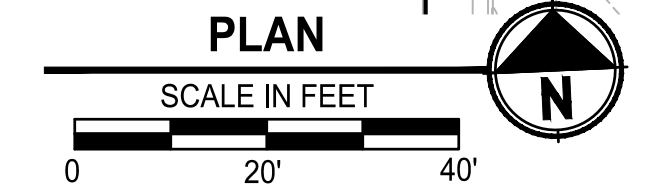
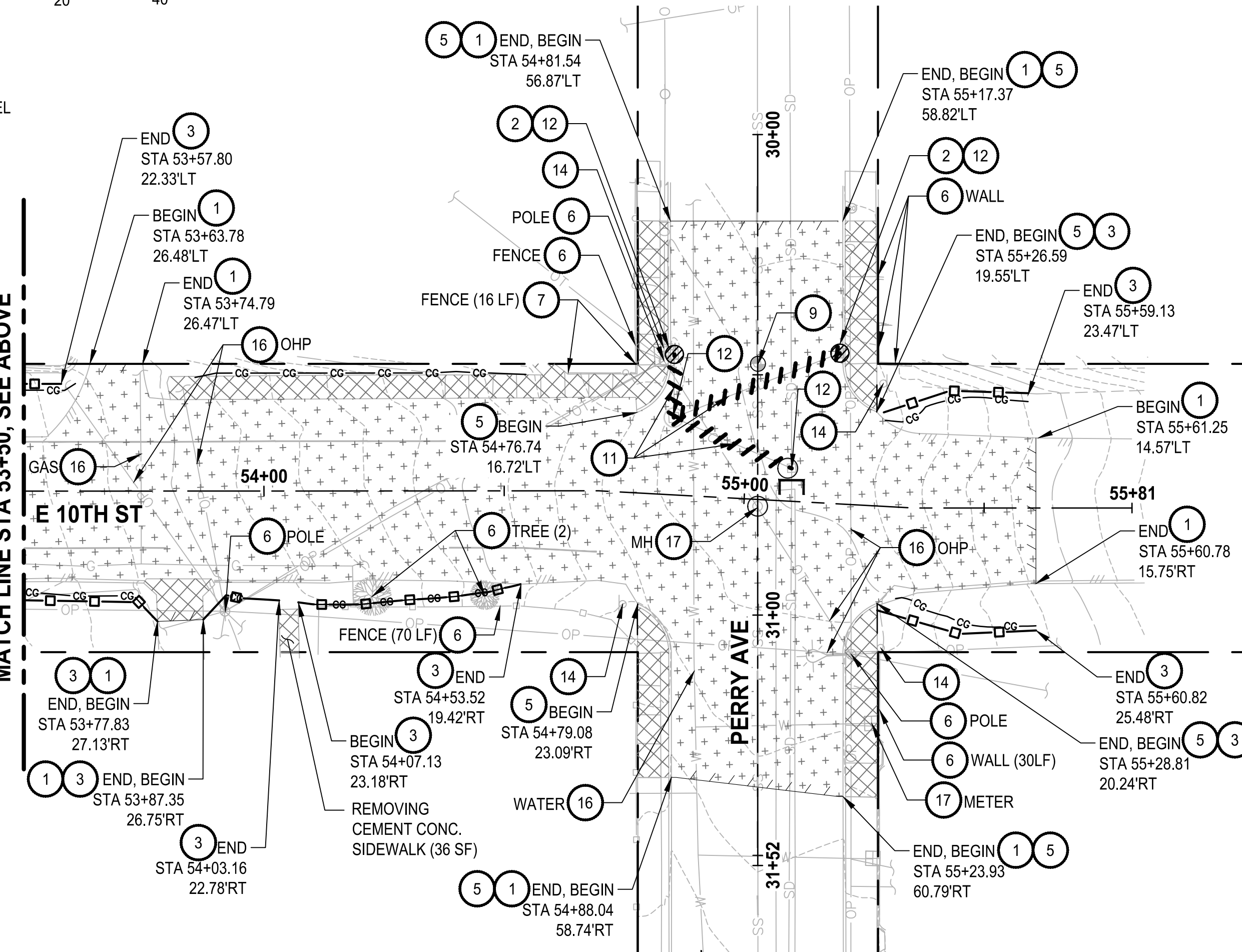
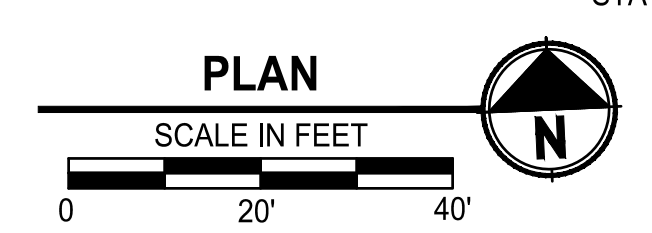
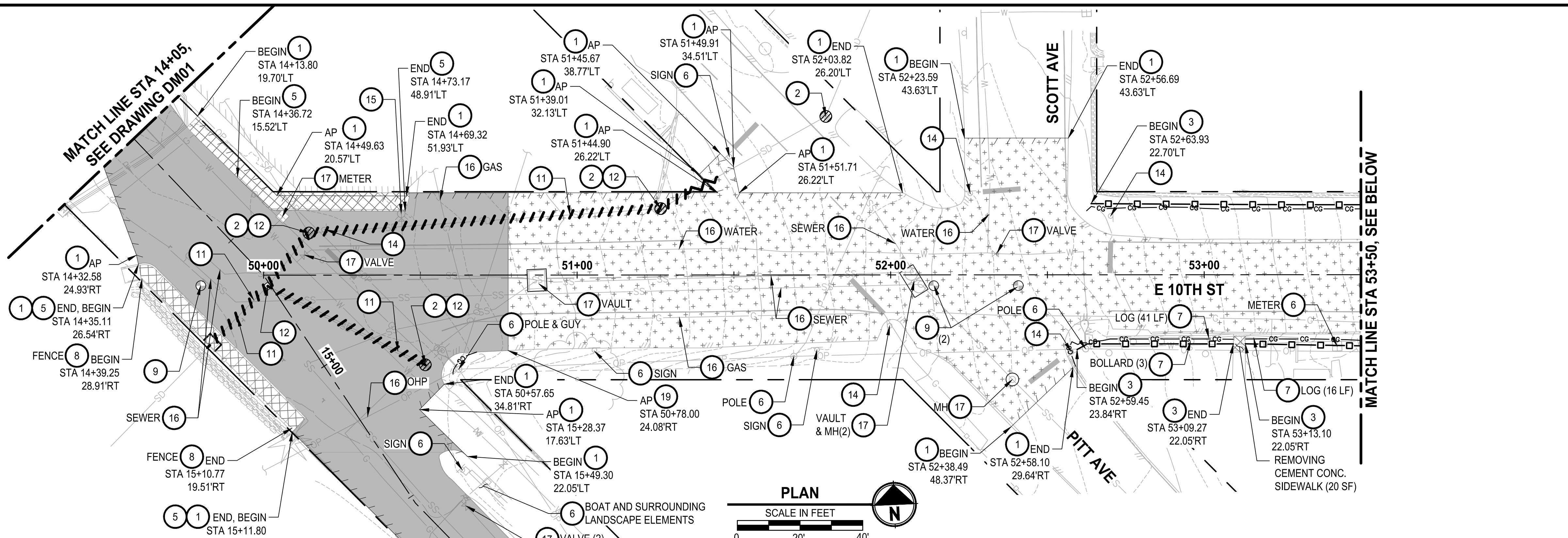
CONSTRUCTION NOTES:

- SAWCUT
- INLET PROTECTION PER WSDOT STD PLAN I-40.20-00
- SILT FENCE PER WSDOT STD PLAN I-30.15-02
- RUBBLE REMOVAL (E 9TH MINI PARK)
- REMOVING CEMENT CONC. CURB
- PROTECT EXISTING STRUCTURE TO REMAIN
- REMOVAL OF STRUCTURES AND OBSTRUCTIONS
- REMOVE, SALVAGE, AND REINSTALL ITEM
- SEE SHEET HC01 FOR EXISTING MONUMENTS
- ABANDON UTILITY
- REMOVING STORM PIPE
- REMOVING DRAINAGE STRUCTURE
- REMOVING TREE
- REMOVING SIGN
- REMOVE AND RESET WITH NEW HYDRANT
- PROTECT EXISTING UTILITY
- ADJUST EXISTING UTILITY TO GRADE
- TRIM HEDGES/BUSHES TO ROW
- TRANSITION FROM REMOVING EXISTING ASPHALT CONC. PAVEMENT TO RECLAIMED ASPHALT BASE

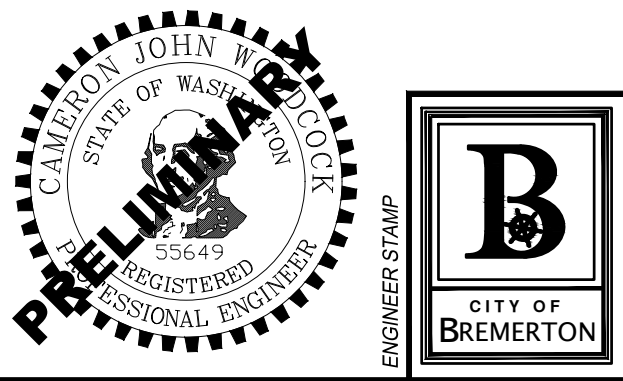
LEGEND:

- SILT FENCE
- SAWCUT
- REMOVE UTILITY
- ABANDON UTILITY
- CLEAR AND GRUB
- REMOVING ASPHALT CONC. PAVEMENT
- REMOVING CEMENT CONC. SIDEWALK/DRIVEWAY
- RECLAIMED ASPHALT BASE
- REMOVING TREE
- CUT AND CAP EXISTING STORM PIPE
- INLET PROTECTION

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NOT FOR CONSTRUCTION**



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NO.	REVISIONS	DATE	BY

**CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION**

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: G. CRUZ
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

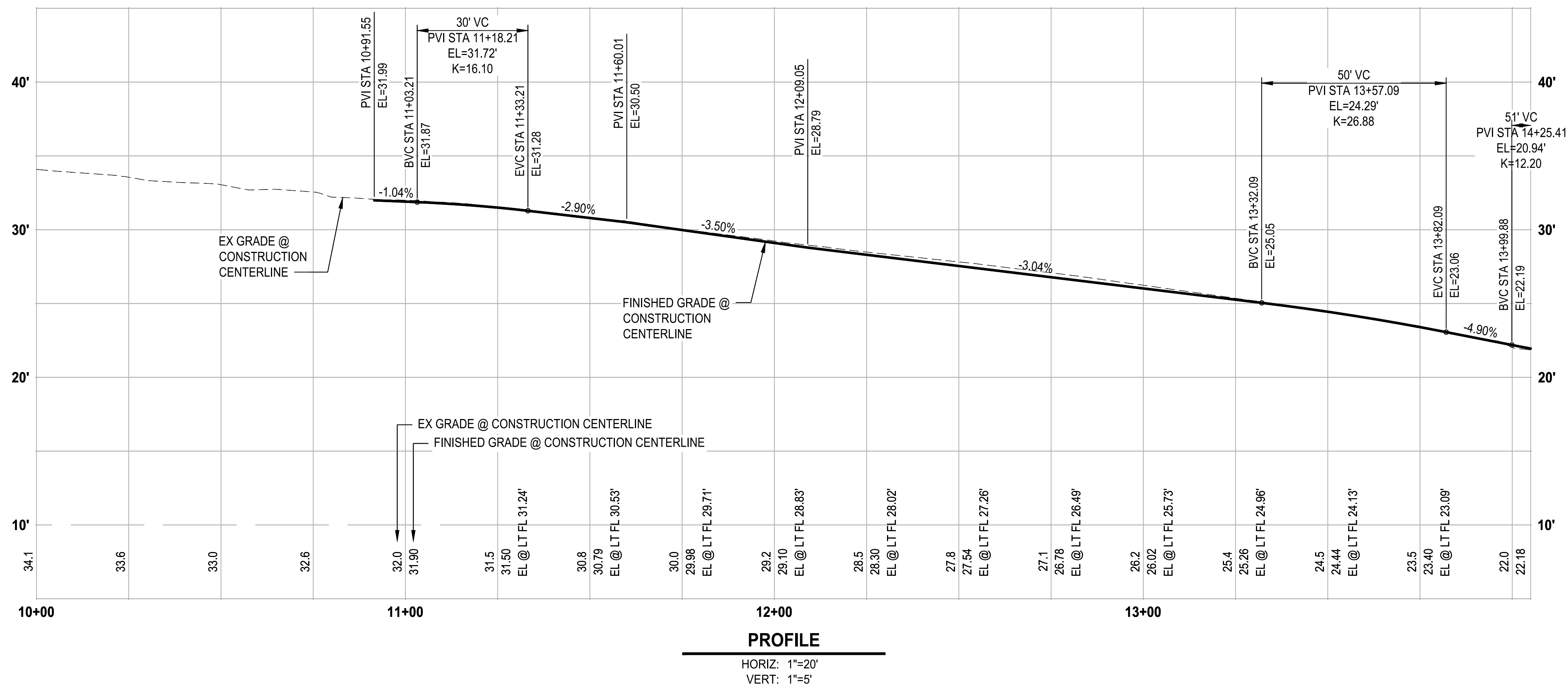
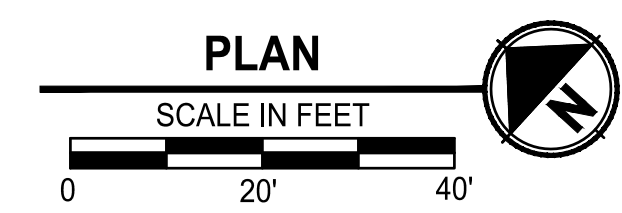
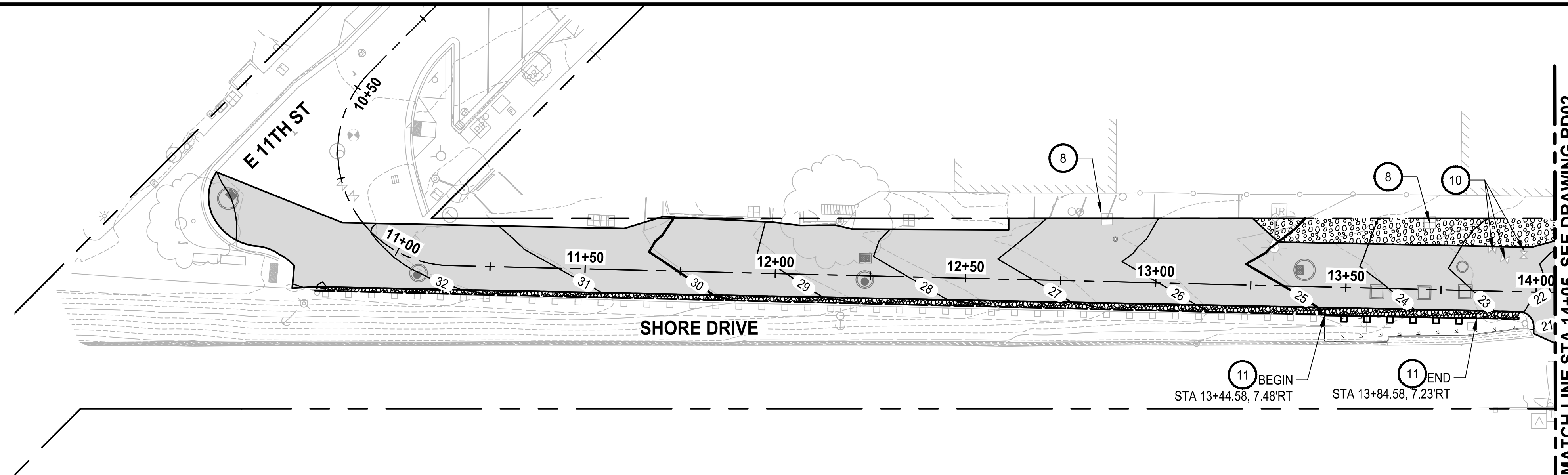
**EAST 9TH STREET STORMWATER IMPROVEMENTS
DEMOLITION & TESC PLAN**

SHEET
6 OF 65

PN: 234-1896-196

PLATE
DM02

FILE: P:\590\Projects\Clients\1896-CityOfBremerton\234-1896-196 E9thStStormwaterImprov\995sca\CAD\DWG PLOTTED BY: Alacados DATE: Wednesday, October 23, 2025 4:29:47 PM LAYOUT: DM02

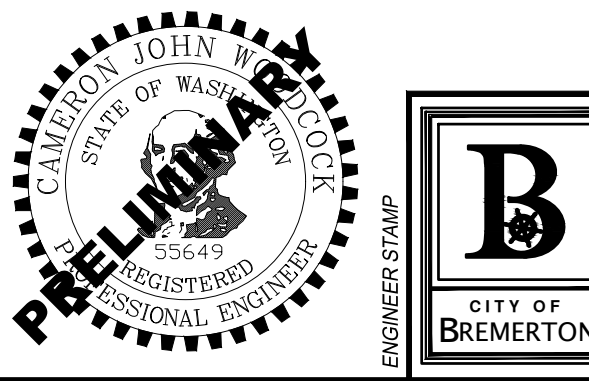


- GENERAL NOTES:**
1. STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
 2. FOR DRAINAGE, SEE DR SHEETS.
 3. FOR DRIVEWAY GRADING, SEE SHEET DW01.
 4. FOR CURB RAMP GRADING, SEE SHEETS CR01-CR06.
 5. FOR SIGNING AND CHANNELIZATION, SEE SHEETS CH01-CH02.
 6. CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES. UTILITIES SHOWN ON THE PLAN VIEW ARE APPROXIMATE LOCATIONS FROM THE BEST AVAILABLE INFORMATION AND MAY BE INCOMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTING ALL EXISTING UTILITIES. CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE WWW.CALLBEFOREYODIG.ORG.
 7. CONTRACTOR SHALL PRESERVE PROPERTY CORNER MONUMENTS IF FOUND. MORE PROPERTY CORNERS MAY EXIST THAN ARE PRESENT IN THE SURVEY. CONTRACTOR SHALL REPLACE PROPERTY CORNER IF DESTROYED.

- CONSTRUCTION NOTES:**
- 1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER WSDOT STD PLAN F-10.12-04
 - 2 CURB DRAIN PER DETAIL 3/SD04
 - 3 ASPHALT STORMWATER BERM PER DETAIL 1/DT01
 - 4 ASPHALT WEDGE CURB PER DETAIL 2/DT01
 - 5 PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER, SEE SHEET HC01
 - 6 DEPRESSED ASPHALT WEDGE CURB PER DETAIL 3/DT01
 - 7 CHAIN LINK FENCE TYPE 4 PER WSDOT STD PLAN L-20.10-03
 - 8 REPLACE METER BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5002
 - 9 ADJUST MANHOLE/CB FRAME AND REPLACE GRATE/LID, SEE DM SHEETS
 - 10 REPLACE VALVE BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5120
 - 11 REINSTALL SALVAGED GUARD RAIL PER WSDOT STD PLAN C-22.45-07. CONTRACTOR SHALL REPLACE ALL DAMAGED POSTS
 - 12 REINSTALL SALVAGED FENCE

- LEGEND:**
- CEMENT CONC. SIDEWALK
 - CEMENT CONC. CURB RAMP
 - ASPHALT DRIVEWAY APPROACH
 - CEMENT CONC. DRIVEWAY APPROACH
 - SEEDING, FERTILIZING, AND MULCHING
 - HMA CL 1/2IN PG 58H-22
 - CEMENT CONCRETE GRID-PAVER INTERPLANTED WITH SEEDED LAWN, SEE LS SHEETS
 - CRUSHED SURFACING TOP COURSE
 - ASPHALT STORMWATER BERM 1/DT01
 - CRUSHED SURFACING BASE COURSE
 - CAST IN PLACE SLAB, SEE S SHEETS
 - CEMENT CONC. PAVEMENT, SEE SHEET DT01

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
 WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
 DATE: 10/29/2025

CHECKED BY: B. TUMBLING
 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

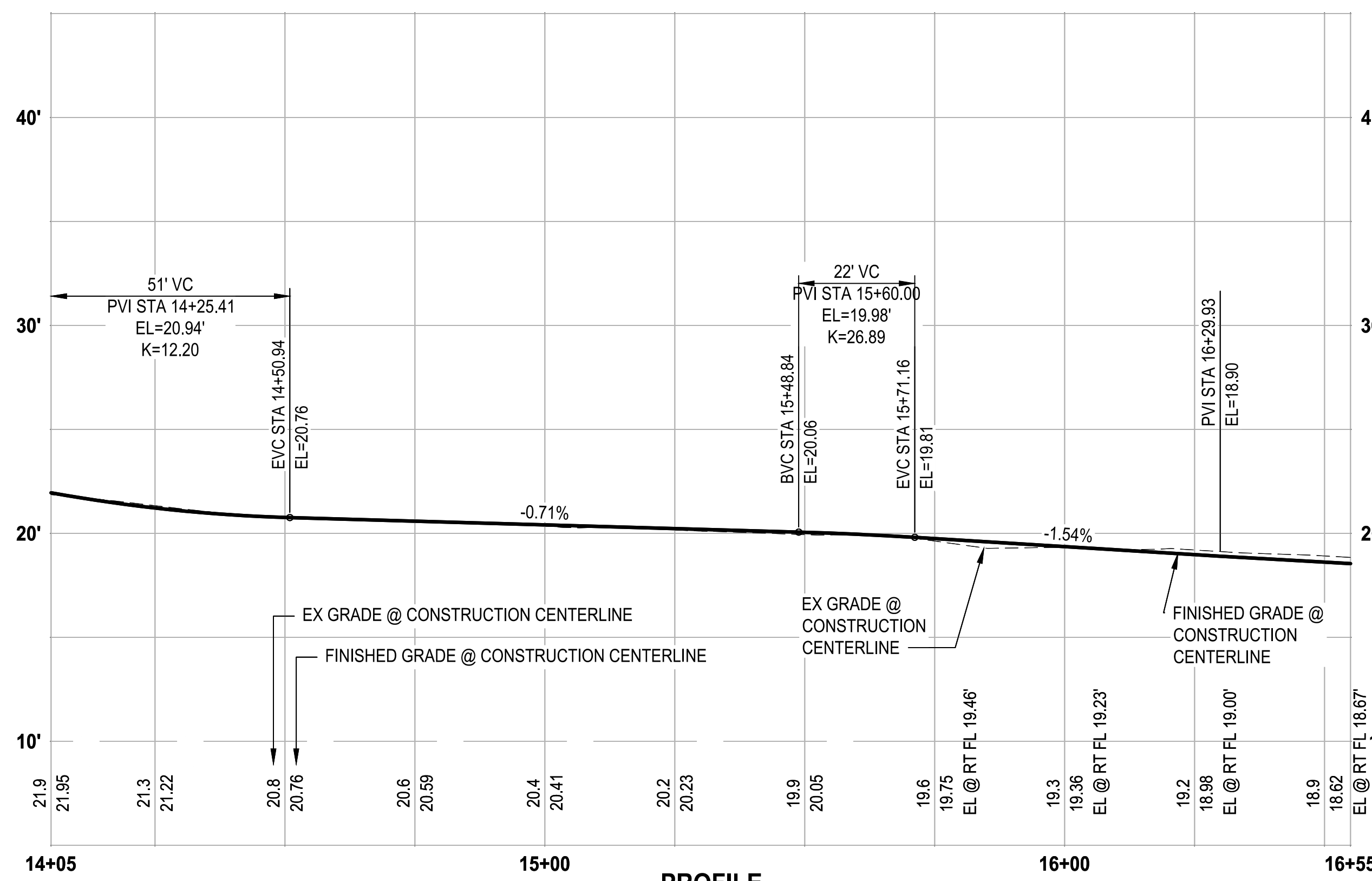
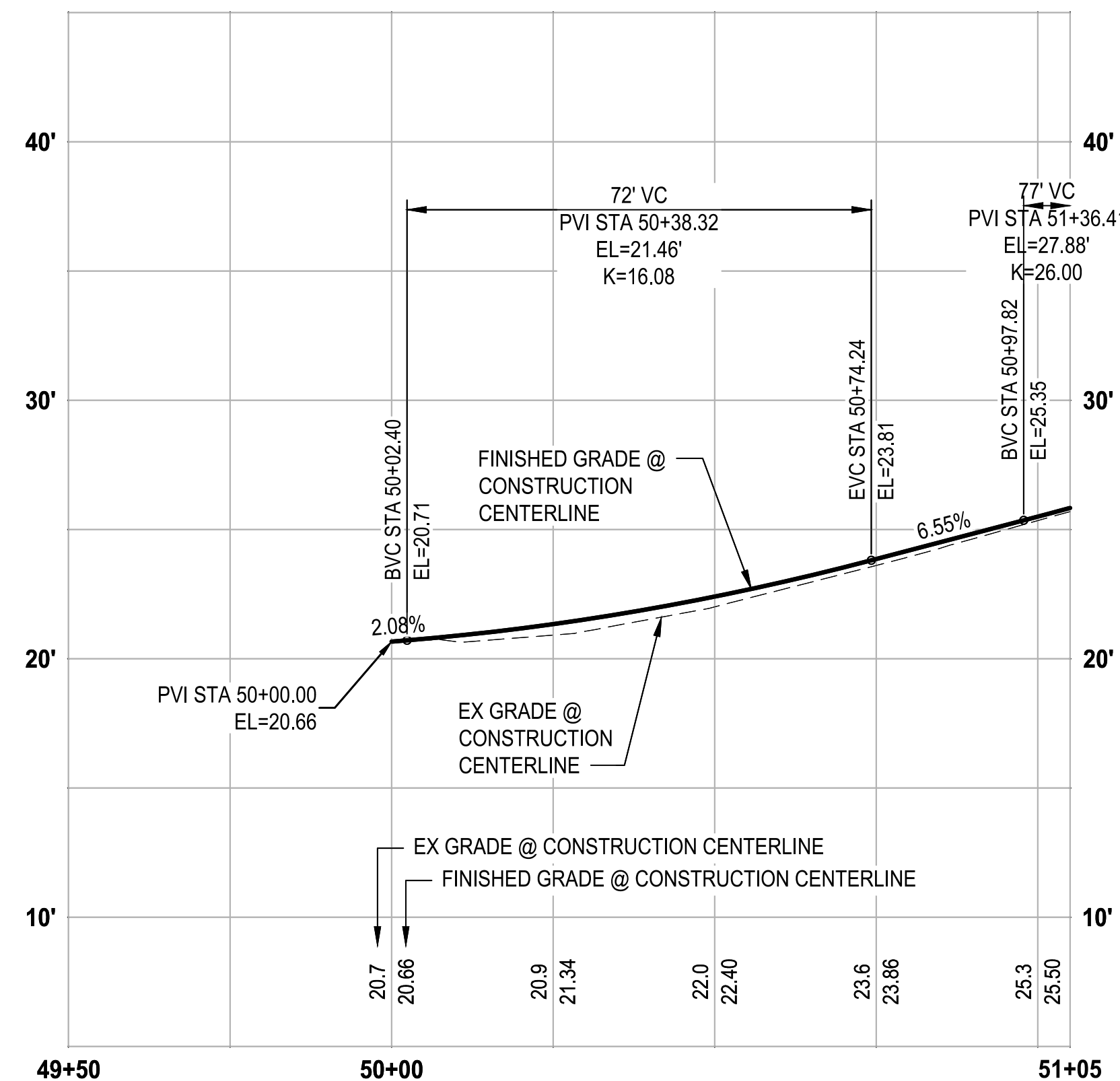
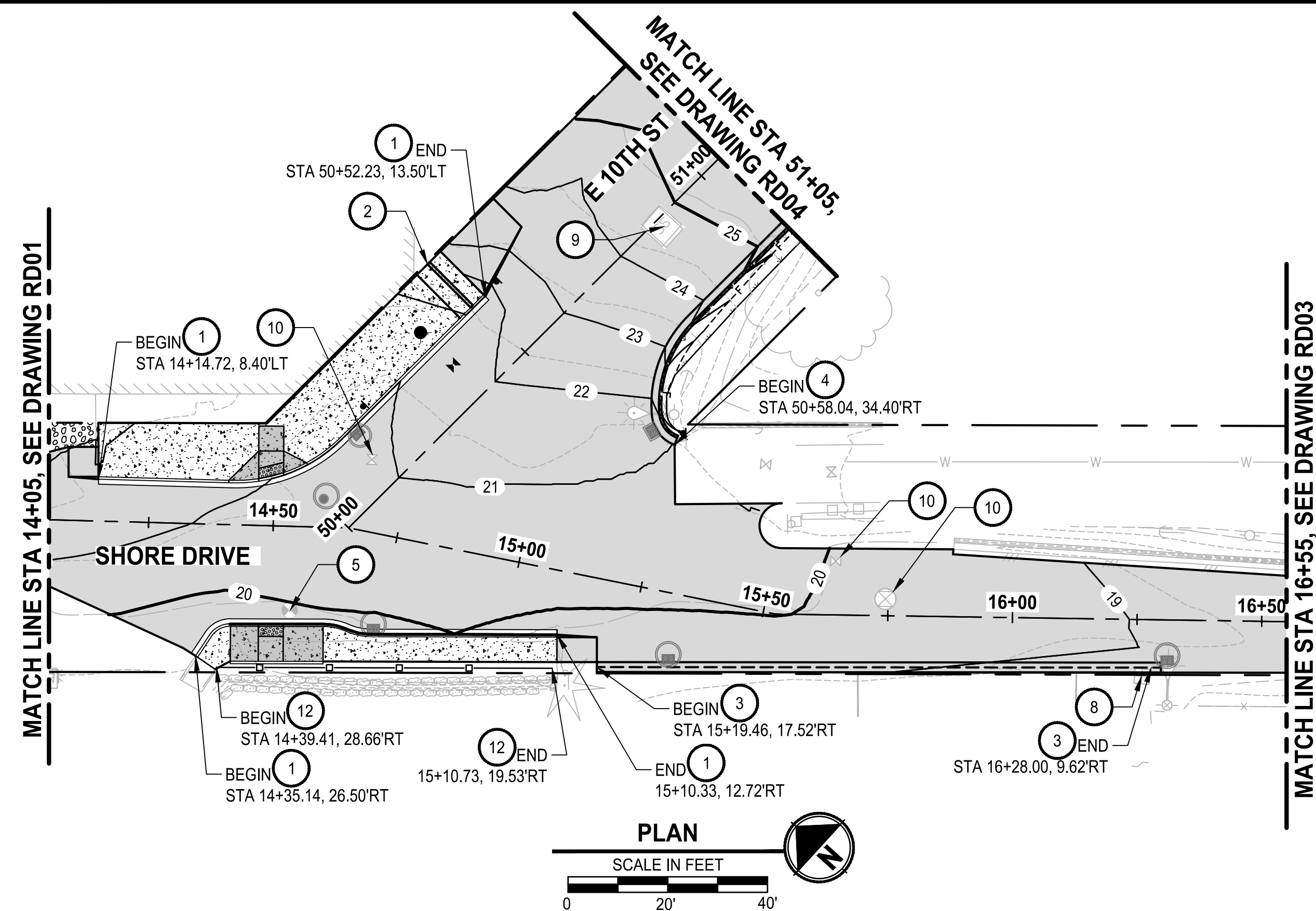
GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
ROADWAY PLAN & PROFILE

SHEET
9 OF 65
 PN: 234-1896-196
 PLATE
RD01

FILE: P:\96196-196\1896-196 E9\Stormwater\improv\995\eca\CADD\DWG LAYOUT: RD01 PLOTTED BY: Akadobos DATE: Thursday, October 30, 2025 10:05:45 AM

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 NOT FOR CONSTRUCTION



- GENERAL NOTES:**
- STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
 - FOR DRAINAGE, SEE DR SHEETS.
 - FOR DRIVEWAY GRADING, SEE SHEET DW01.
 - FOR CURB RAMP GRADING, SEE SHEETS CR01-CR06.
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- CONSTRUCTION NOTES:**
- CEMENT CONC. TRAFFIC CURB AND GUTTER PER WSDOT STD PLAN F-10.12-04
 - CURB DRAIN PER DETAIL 3 SD04
 - ASPHALT STORMWATER BERM PER DETAIL 1 DT01
 - ASPHALT WEDGE CURB PER DETAIL 2 DT01
 - PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER, SEE SHEET HC01
 - DEPRESSED ASPHALT WEDGE CURB PER DETAIL 3 DT01
 - CHAIN LINK FENCE TYPE 4 PER WSDOT STD PLAN L-20.10-03
 - REPLACE METER BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5002
 - ADJUST MANHOLE/CB FRAME AND REPLACE GRATE/LID, SEE DM SHEETS
 - REPLACE VALVE BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5120
 - REINSTALL SALVAGED GUARD RAIL PER WSDOT STD PLAN C-22.45-07. CONTRACTOR SHALL REPLACE ALL DAMAGED POSTS
 - REINSTALL SALVAGED FENCE

- LEGEND:**
- CEMENT CONC. SIDEWALK
 - CEMENT CONC. CURB RAMP
 - ASPHALT DRIVEWAY APPROACH
 - CEMENT CONC. DRIVEWAY APPROACH
 - SEEDING, FERTILIZING, AND MULCHING
 - HMA CL 1/2IN PG 58H-22
 - CEMENT CONCRETE GRID-PAVER INTERPLANTED WITH SEEDED LAWN, SEE LS SHEETS
 - CRUSHED SURFACING TOP COURSE
 - ASPHALT STORMWATER BERM 1 DT01
 - CRUSHED SURFACING BASE COURSE
 - CAST IN PLACE SLAB, SEE S SHEETS
 - CEMENT CONC. PAVEMENT, SEE SHEET DT01

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

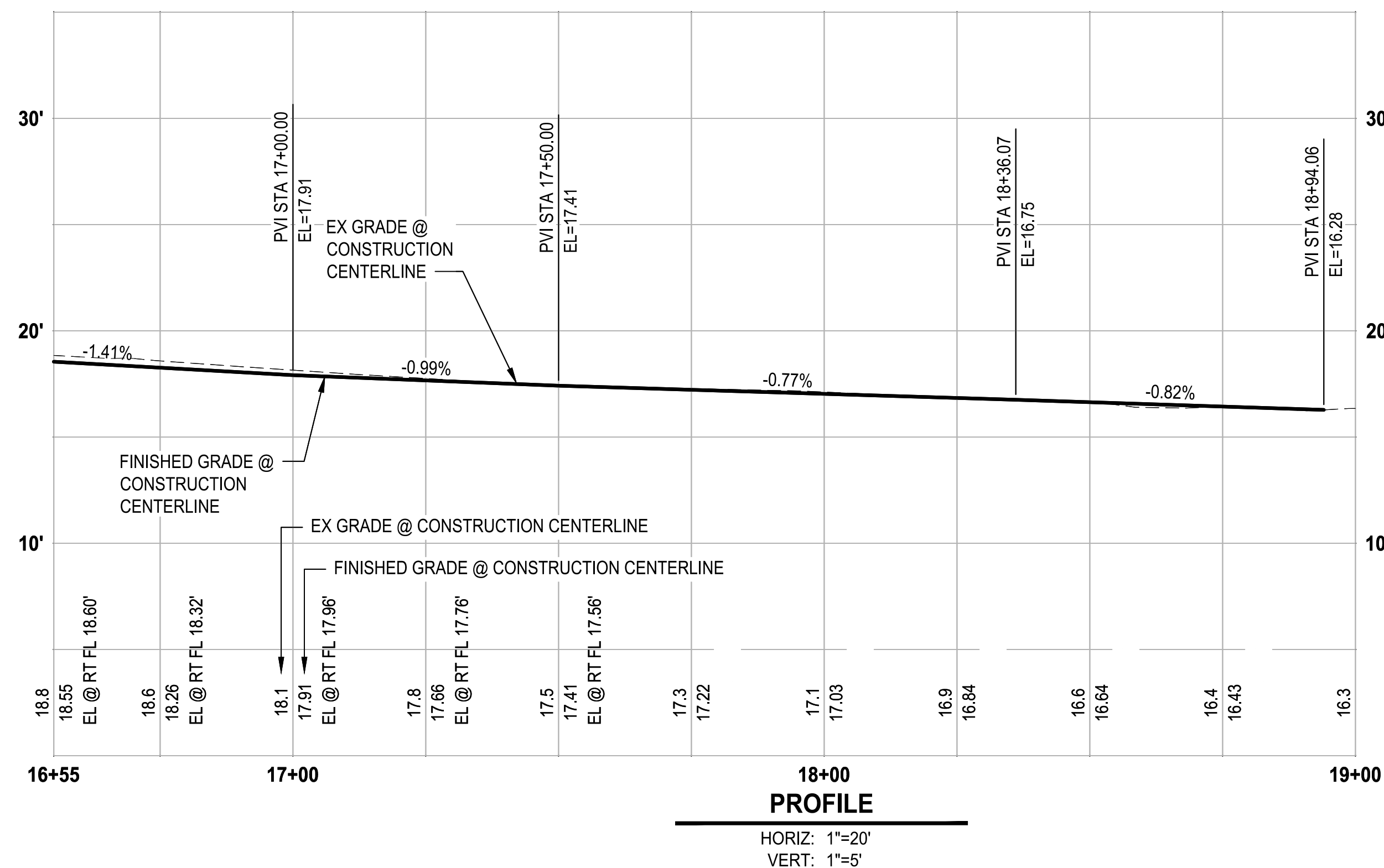
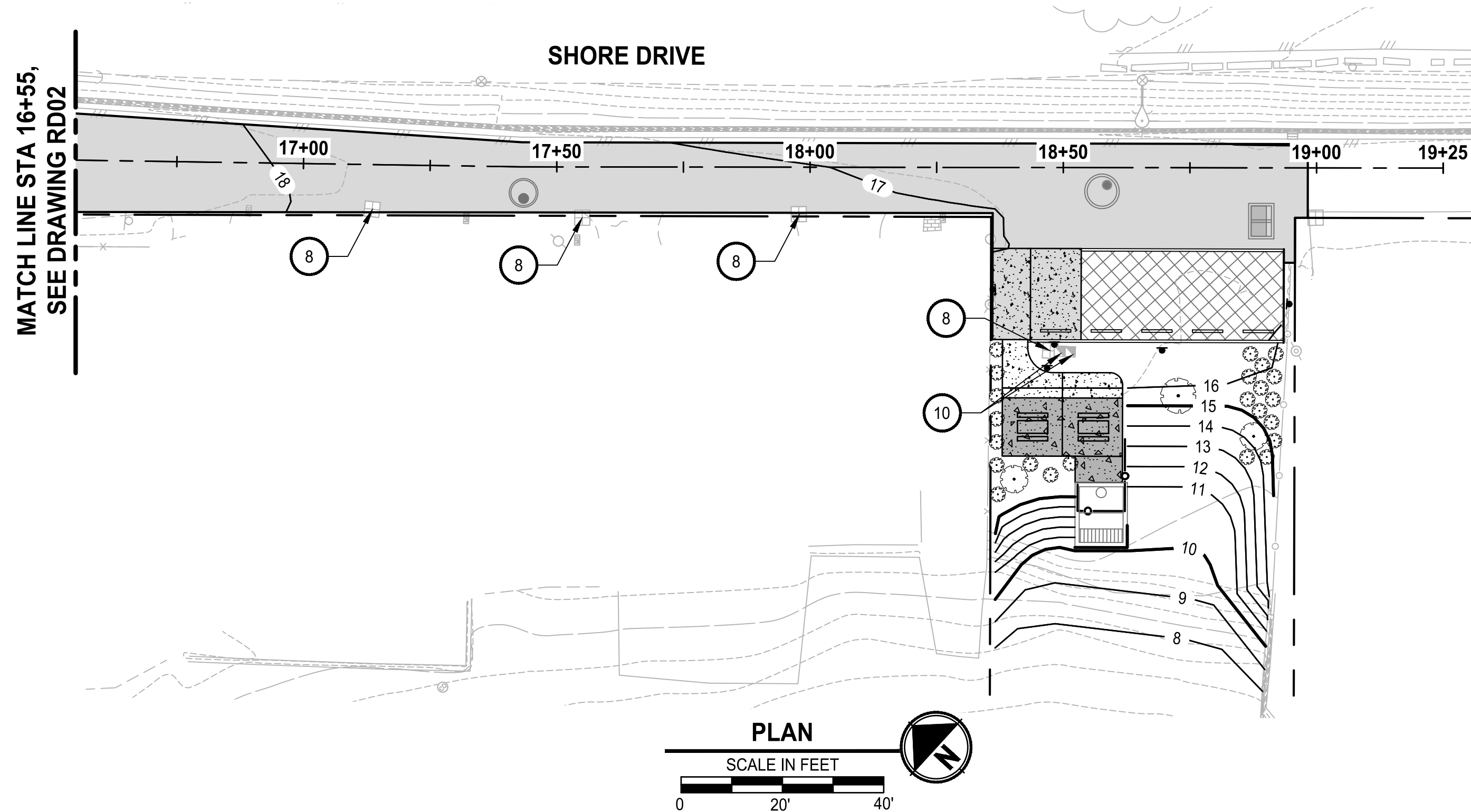
SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
ROADWAY PLAN & PROFILE

SHEET
10 OF 65
PN: 234-1896-196
PLATE
RD02

FILE: P:\S186196-RD02 LAYOUT: RD02 PATH: U:\P30\Projects\Clients\1896-196 E10thStStormwaterimprov\995\cva\CADD\DWG PLOTTED BY: Akadabas DATE: Thursday, October 30, 2025 10:05:55 AM



GENERAL NOTES:

1. STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
2. FOR DRAINAGE, SEE DR SHEETS.
3. FOR DRIVEWAY GRADING, SEE SHEET DW01.
4. FOR CURB RAMP GRADING, SEE SHEETS CR01-CR06.
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CONSTRUCTION NOTES:

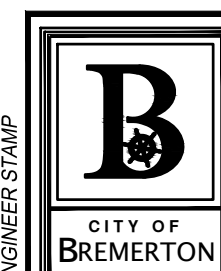
- 1 CEMENT CONC. TRAFFIC CURB AND GUTTER PER WSDOT STD PLAN F-10.12-04
- 2 CURB DRAIN PER DETAIL 3 SD04
- 3 ASPHALT STORMWATER BERM PER DETAIL 1 DT01
- 4 ASPHALT WEDGE CURB PER DETAIL 2 DT01
- 5 PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER, SEE SHEET HC01
- 6 DEPRESSED ASPHALT WEDGE CURB PER DETAIL 3 DT01
- 7 CHAIN LINK FENCE TYPE 4 PER WSDOT STD PLAN L-20.10-03
- 8 REPLACE METER BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5002
- 9 ADJUST MANHOLE/CB FRAME AND REPLACE GRATE/LID, SEE DM SHEETS
- 10 REPLACE VALVE BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5120
- 11 REINSTALL SALVAGED GUARD RAIL PER WSDOT STD PLAN C-22.45-07. CONTRACTOR SHALL REPLACE ALL DAMAGED POSTS
- 12 REINSTALL SALVAGED FENCE

LEGEND:

- CEMENT CONC. SIDEWALK
- CEMENT CONC. CURB RAMP
- ASPHALT DRIVEWAY APPROACH
- CEMENT CONC. DRIVEWAY APPROACH
- SEEDING, FERTILIZING, AND MULCHING
- HMA CL 1/2IN PG 58H-22
- CEMENT CONCRETE GRID-PAVER INTERPLANTED WITH SEEDED LAWN, SEE LS SHEETS
- CRUSHED SURFACING TOP COURSE
- ASPHALT STORMWATER BERM (1 DT01)
- CRUSHED SURFACING BASE COURSE
- CAST IN PLACE SLAB, SEE S SHEETS
- CEMENT CONC. PAVEMENT, SEE SHEET DT01



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Call before you dig.
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Parametrix

NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

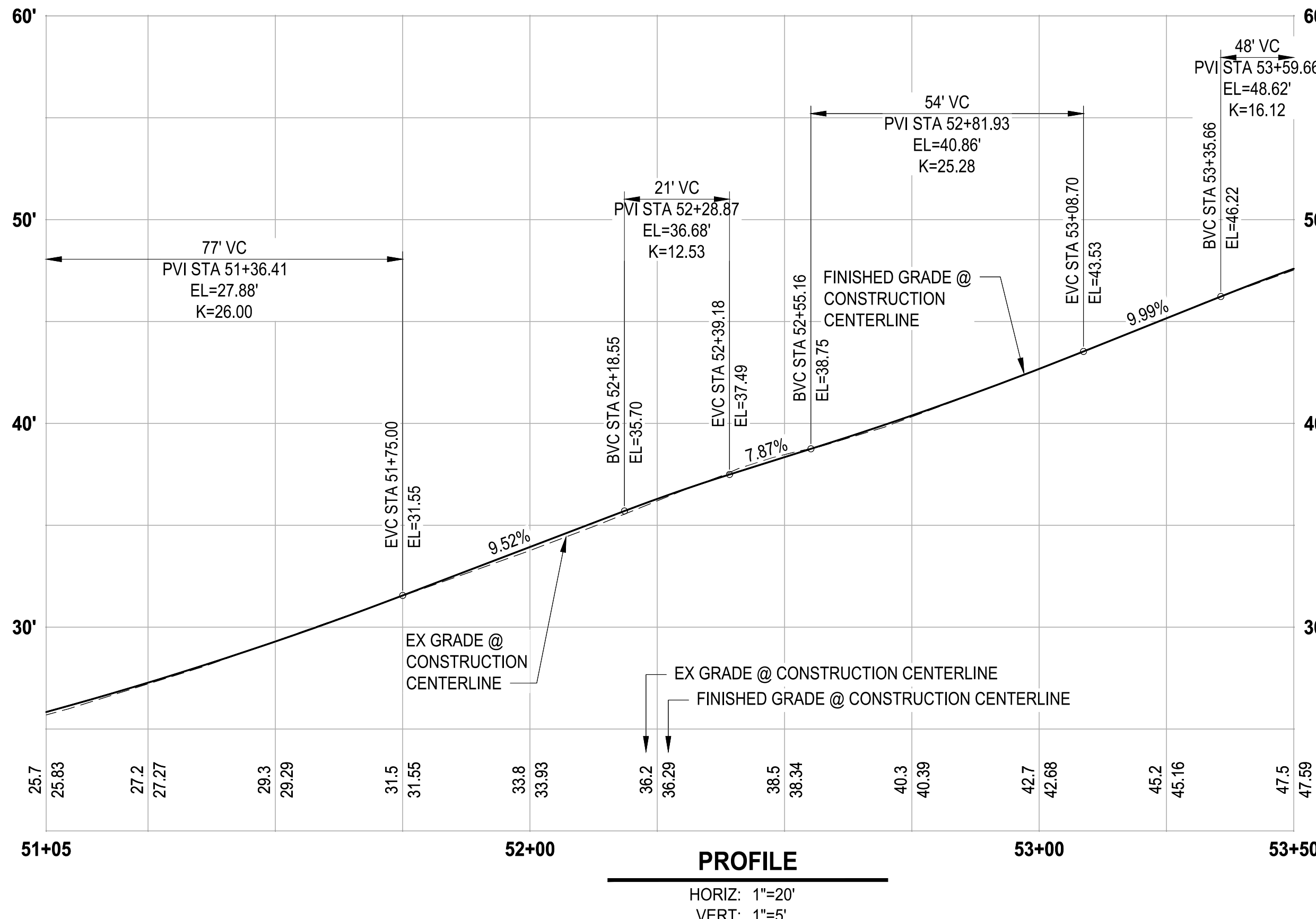
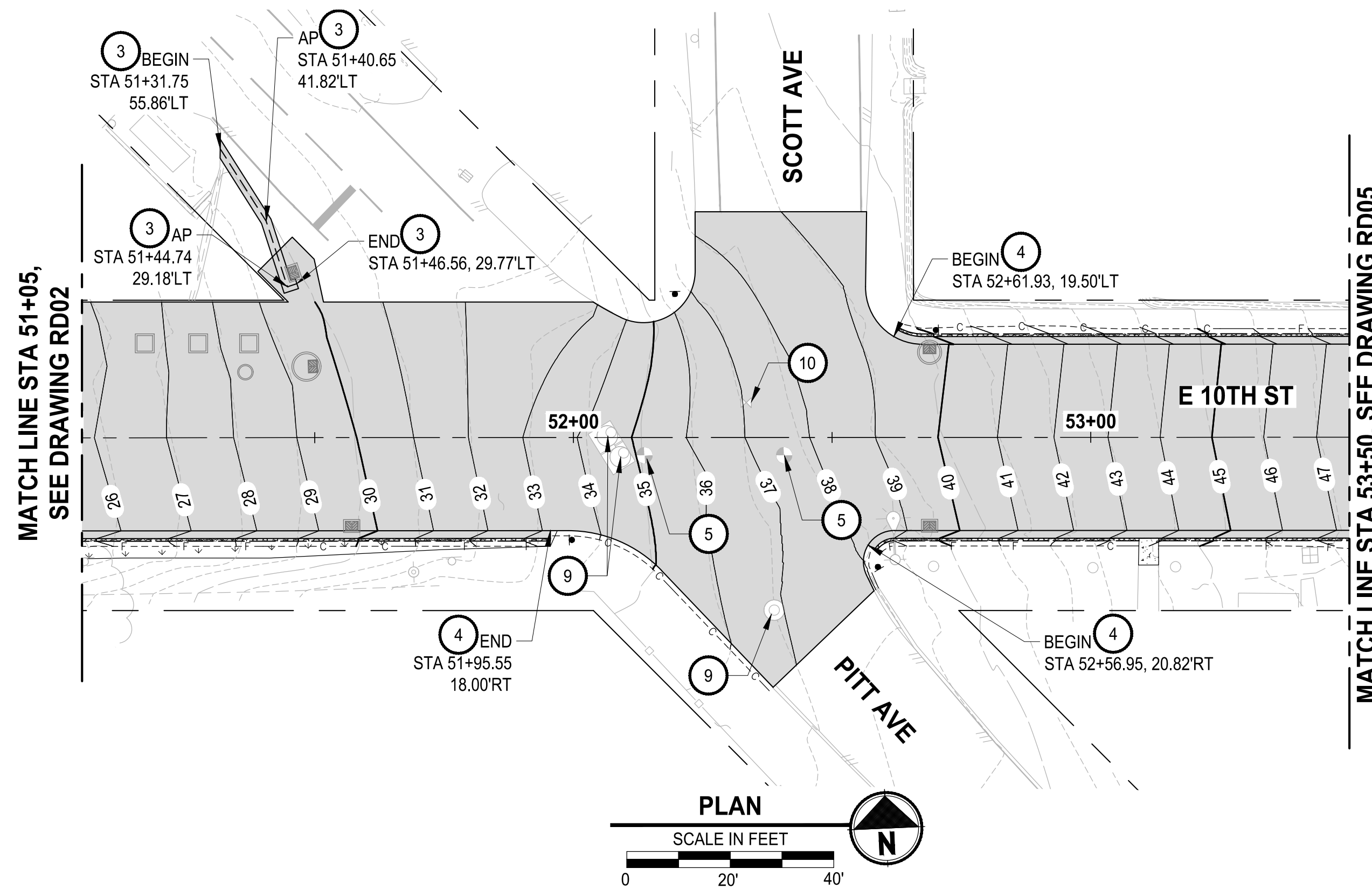
EAST 9TH STREET STORMWATER IMPROVEMENTS
ROADWAY PLAN & PROFILE

SHEET
11 OF 65

PN: 234-1896-196

PLATE
RD03

90 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

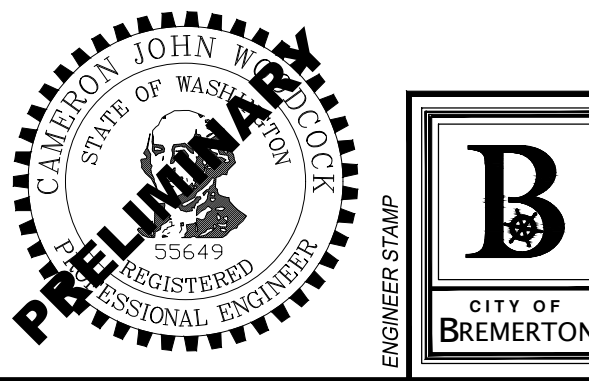


- GENERAL NOTES:**
1. STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
 2. FOR DRAINAGE, SEE DR SHEETS.
 3. FOR DRIVEWAY GRADING, SEE SHEET DW01.
 4. FOR CURB RAMP GRADING, SEE SHEETS CR01-CR06.
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 - 3 ASPHALT STORMWATER BERM PER DETAIL 1 DT01
 - 4 ASPHALT WEDGE CURB PER DETAIL 2 DT01
 - 5 PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER, SEE SHEET HC01
 - 6 DEPRESSED ASPHALT WEDGE CURB PER DETAIL 3 DT01
 - 7 CHAIN LINK FENCE TYPE 4 PER WSDOT STD PLAN L-20.10-03
 - 8 REPLACE METER BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5002
 - 9 ADJUST MANHOLE/CB FRAME AND REPLACE GRATE/LID, SEE DM SHEETS
 - 10 REPLACE VALVE BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5120
 - 11 REINSTALL SALVAGED GUARD RAIL PER WSDOT STD PLAN C-22.45-07. CONTRACTOR SHALL REPLACE ALL DAMAGED POSTS
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- LEGEND:**
- CEMENT CONC. SIDEWALK
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 - CEMENT CONCRETE GRID-PAVER INTERPLANTED WITH SEEDED LAWN, SEE LS SHEETS
 - CRUSHED SURFACING TOP COURSE
 - ASPHALT STORMWATER BERM 1 DT01
 - CRUSHED SURFACING BASE COURSE
 - CAST IN PLACE SLAB, SEE S SHEETS
 - CEMENT CONC. PAVEMENT, SEE SHEET DT01

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 Know what's below.
 Call before you dig.
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 Llama antes de excavar.



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CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
 WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
 DATE: 10/29/2025

CHECKED BY: B. TUMBLING
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SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

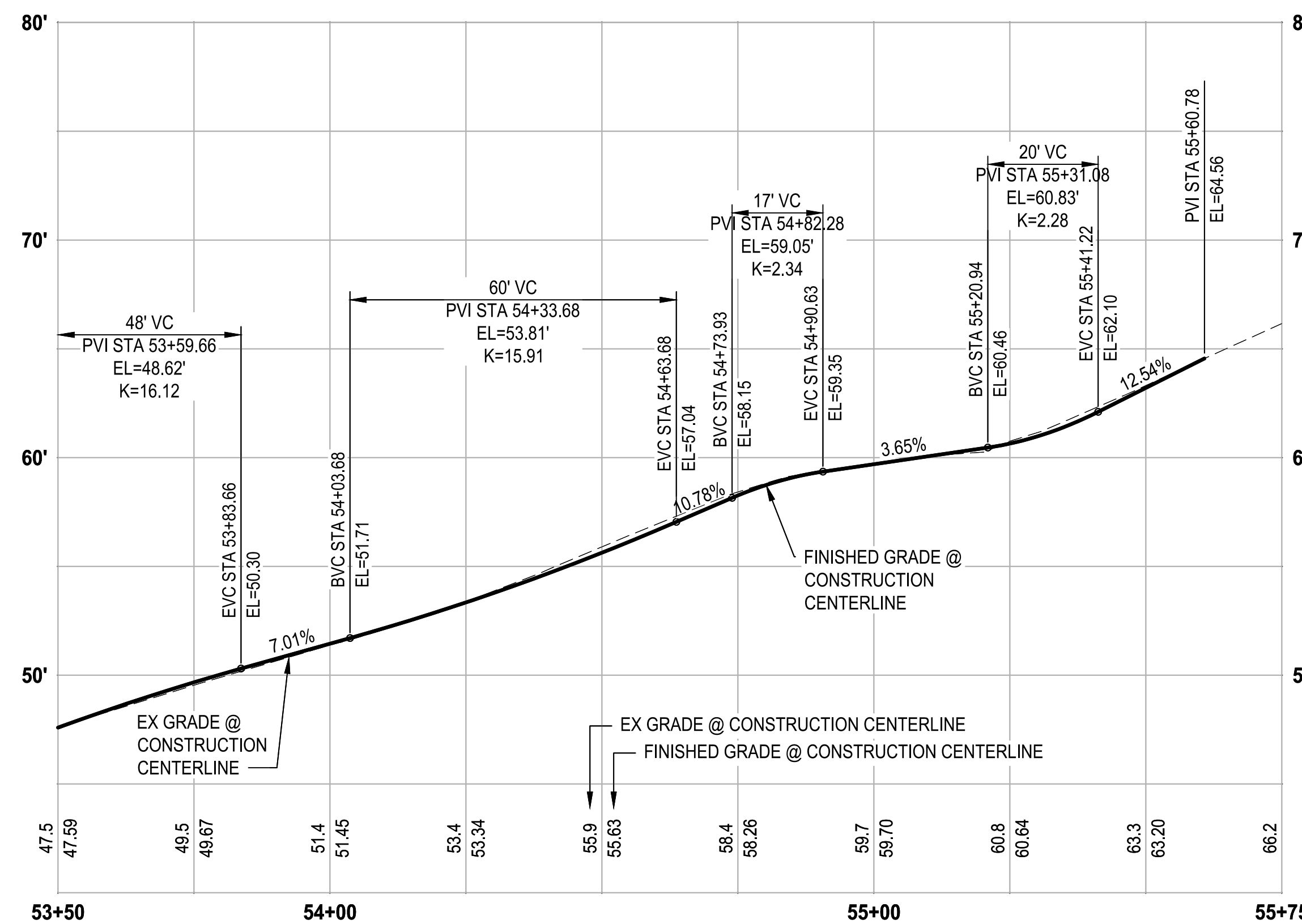
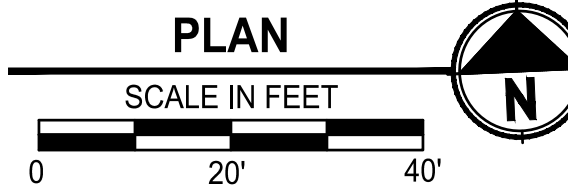
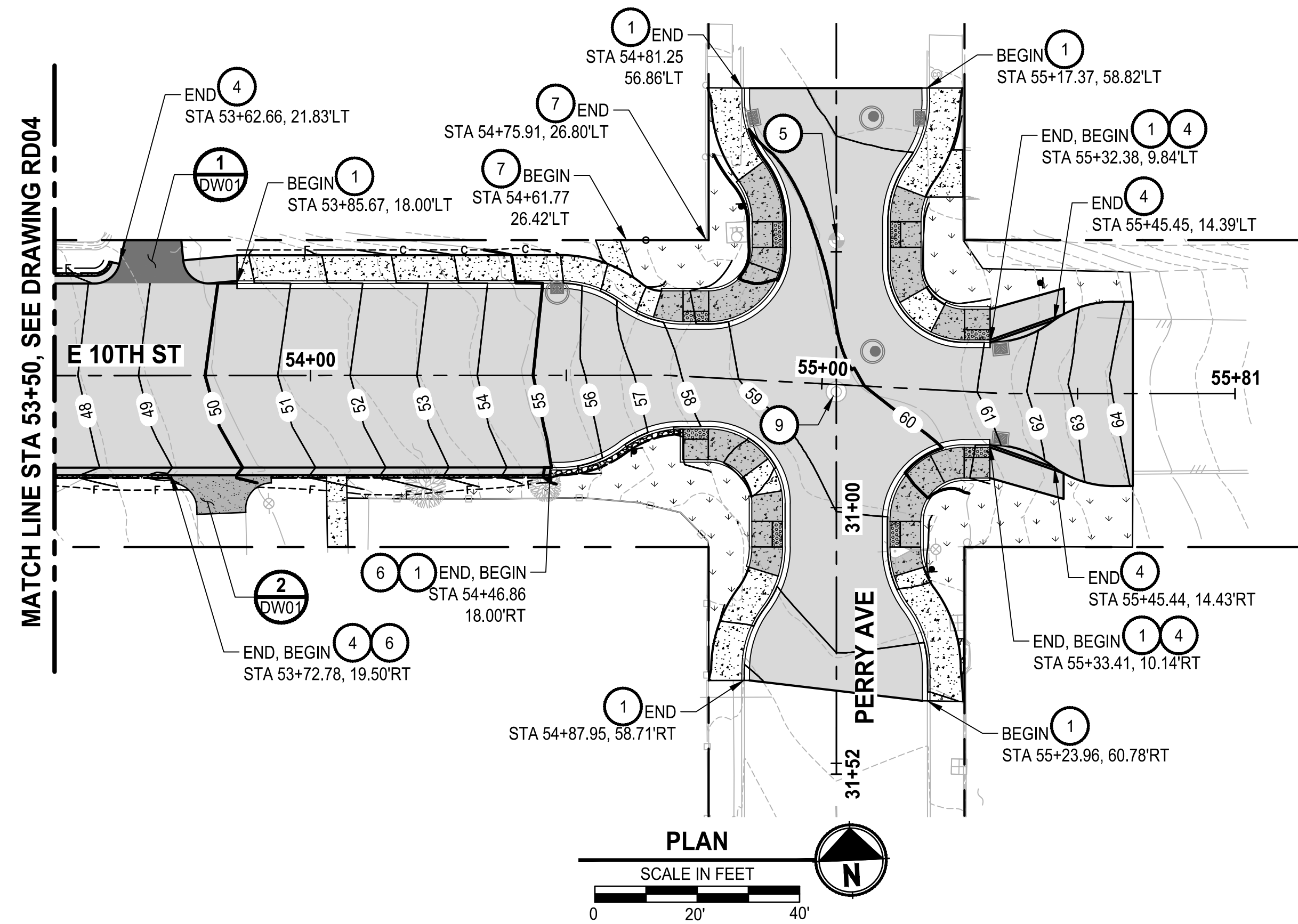
GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
ROADWAY PLAN & PROFILE

SHEET
12 OF 65
 PN: 234-1896-196
 PLATE
RD04

90% REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION

FILE: P:\31696190-RD04 LAYOUT: RD04 PATH: U:\P30\Projects\Clients\Bremerton\234-1896-196 E:\MS\Stormwater\improva\995xcs\CADD\DWG PLOTTED BY: Akadabas DATE: Thursday, October 30, 2025 10:06:10 AM



PROFILE

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

GENERAL NOTES:

- STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
- FOR DRAINAGE, SEE DR SHEETS.
- FOR DRIVEWAY GRADING, SEE SHEET DW01.
- FOR CURB RAMP GRADING, SEE SHEETS CR01-CR06.
- FOR SIGNING AND CHANNELIZATION, SEE SHEETS CH01-CH02.
- CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES. UTILITIES SHOWN ON THE PLAN VIEW ARE APPROXIMATE LOCATIONS FROM THE BEST AVAILABLE INFORMATION AND MAY BE INCOMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTING ALL EXISTING UTILITIES. CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE WWW.CALLBEFOREYODIG.ORG.
- CONTRACTOR SHALL PRESERVE PROPERTY CORNER MONUMENTS IF FOUND. MORE PROPERTY CORNERS MAY EXIST THAN ARE PRESENT IN THE SURVEY. CONTRACTOR SHALL REPLACE PROPERTY CORNER IF DESTROYED.

CONSTRUCTION NOTES:

- CEMENT CONC. TRAFFIC CURB AND GUTTER PER WSDOT STD PLAN F-10.12-04
- CURB DRAIN PER DETAIL 3 SD04
- ASPHALT STORMWATER BERM PER DETAIL 1 DT01
- ASPHALT WEDGE CURB PER DETAIL 2 DT01
- PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER, SEE SHEET HC01
- DEPRESSED ASPHALT WEDGE CURB PER DETAIL 3 DT01
- CHAIN LINK FENCE TYPE 4 PER WSDOT STD PLAN L-20.10-03
- REPLACE METER BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5002
- ADJUST MANHOLE/CB FRAME AND REPLACE GRATE/LID, SEE DM SHEETS
- REPLACE VALVE BOX/LID AND ADJUST TO GRADE PER COB STD DETAIL 5120
- REINSTALL SALVAGED GUARD RAIL PER WSDOT STD PLAN C-22.45-07. CONTRACTOR SHALL REPLACE ALL DAMAGED POSTS
- REINSTALL SALVAGED FENCE

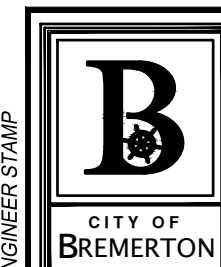
LEGEND:

- CEMENT CONC. SIDEWALK
- CEMENT CONC. CURB RAMP
- ASPHALT DRIVEWAY APPROACH
- CEMENT CONC. DRIVEWAY APPROACH
- SEEDING, FERTILIZING, AND MULCHING
- HMA CL 1/2IN PG 58H-22
- CEMENT CONCRETE GRID-PAVER INTERPLANTED WITH SEEDED LAWN, SEE LS SHEETS
- CRUSHED SURFACING TOP COURSE
- ASPHALT STORMWATER BERM (DT01)
- CRUSHED SURFACING BASE COURSE
- CAST IN PLACE SLAB, SEE S SHEETS
- CEMENT CONC. PAVEMENT, SEE SHEET DT01

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Parametrix

NO.	REVISIONS	DATE	BY

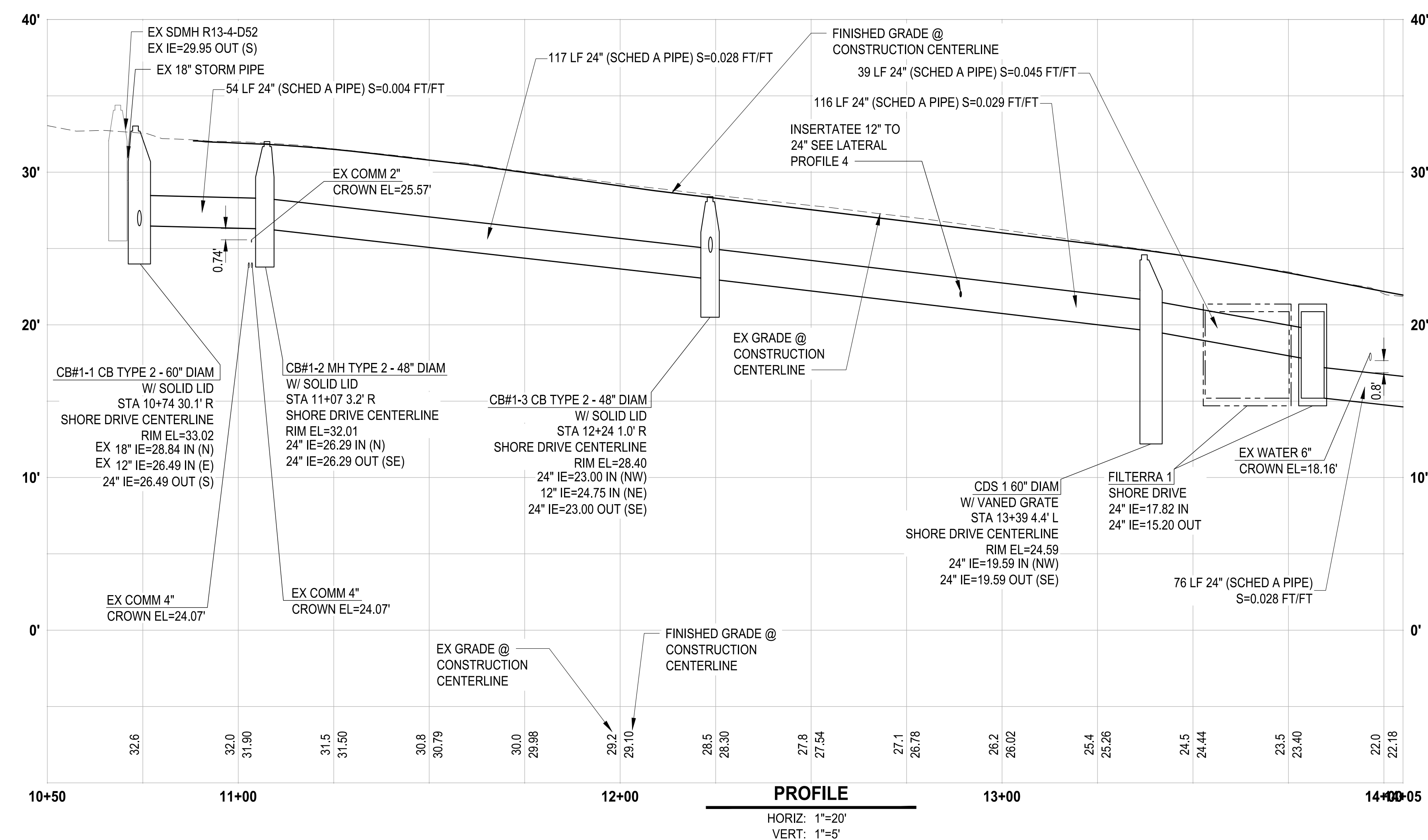
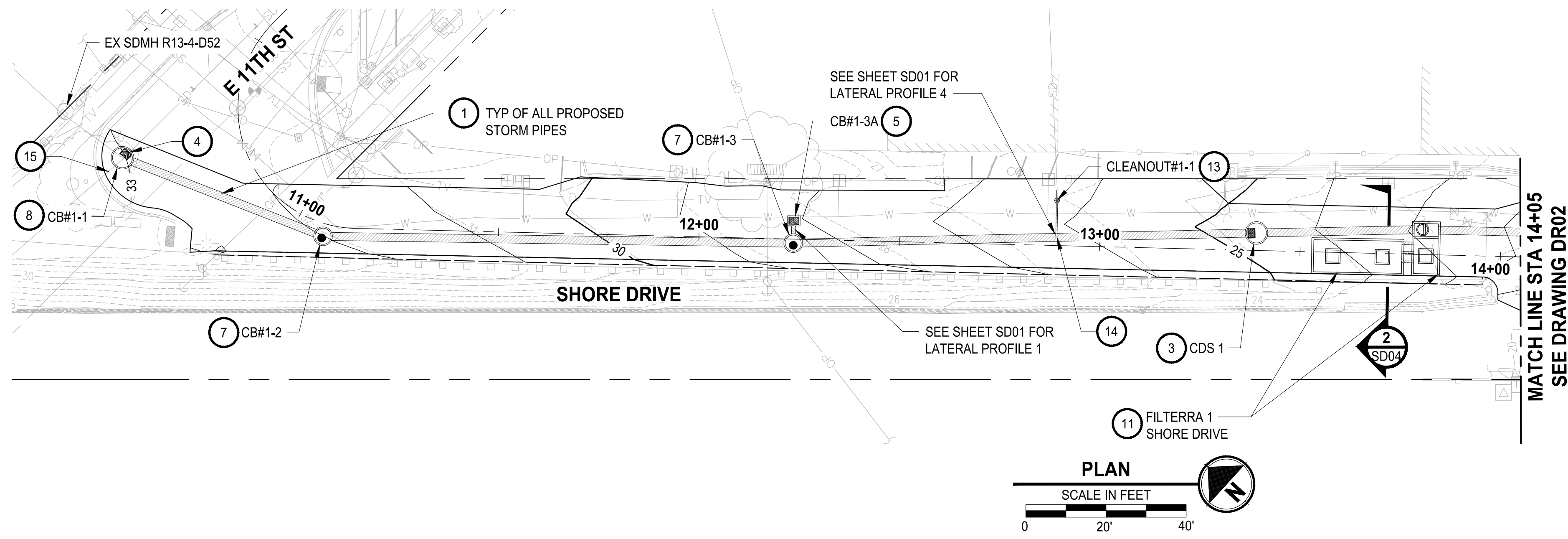
**CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION**

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025
DRAWN BY: J. AKADA
DATE: 10/29/2025
CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.
GRANT/LOAN INFORMATION
ARPA NO.

**EAST 9TH STREET STORMWATER IMPROVEMENTS
ROADWAY PLAN & PROFILE**

SHEET
13 OF 65
PN: 234-1896-196
PLATE
RD05



GENERAL NOTES:

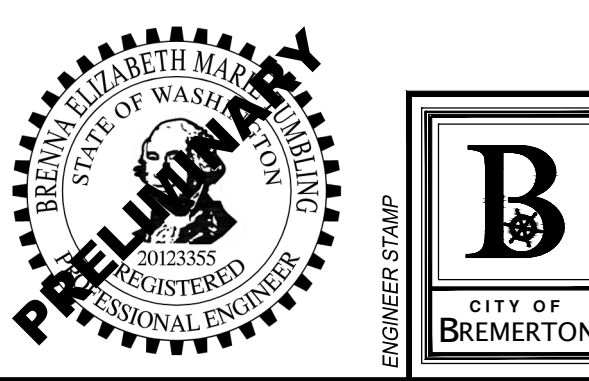
- STATIONS AND OFFSETS ARE REFERENCED TO THEIR RESPECTIVE ROADWAY CONSTRUCTION CENTERLINE ALIGNMENT.
- STORM STRUCTURE STATION AND OFFSETS ARE TO THE CENTER OF STRUCTURE.
- RECTANGULAR BI-DIRECTIONAL VANED GRATES SHALL BE PER WSDOT STD PLAN B-30.40-03. RECTANGULAR VANED GRATES SHALL BE PER WSDOT STD PLAN B-30.30-03. COMBINATION INLETS SHALL BE PER WSDOT STD PLAN B-25.20.02
- RECTANGULAR FRAMES SHALL BE PER WSDOT STD PLAN B-30.10-03.
- CONTRACTOR TO INSTALL "DRAINS TO STREAM" PLACARDS PER MANUFACTURER'S SPECIFICATIONS ON ALL NEW STORMWATER INLETS. CONTRACTOR TO PROVIDE PLACARDS.
- SEE SHEETS CR01-CR03 FOR CURB RAMP GRADING.
- SEE SHEETS RD01-RD04 FOR ROADWAY GRADING.
- SEE SHEETS UT01-UT04 FOR NEW AND EXISTING UTILITY ADJUSTMENTS.
- SEE SHEETS CH01-CH02 FOR CHANNELIZATION DETAILS.
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- CONTRACTOR SHALL REPLACE/ADJUST EXISTING MANHOLE/CB COVERS PER THE RD SHEETS.

CONSTRUCTION NOTES:

- INSTALL STORMWATER PIPE PER DETAIL ¹ SD04
- CDF PLUG PER DETAIL ² SD04
- CDS PER DETAIL ¹ SD02 ² SD02
- CONNECT TO EXISTING PIPE
- INSTALL CONCRETE INLET PER WSDOT STD PLAN B-25.60-03
- INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-03
- INSTALL CATCH BASIN TYPE 2 48" DIAM. PER WSDOT STD PLAN B-10.20-03
- INSTALL CATCH BASIN TYPE 2 60" DIAM. PER WSDOT STD PLAN B-10.20-03
- INSTALL REMOVABLE 8" MECHANICAL PLUG, SEE SECTION 7-08 OF THE SPECIAL PROVISIONS
- INSTALL 4'X6' MWS VAULT PER DETAIL ³ SD03 ⁴ SD02 ² SD03
- INSTALL FILTERRA VAULT PER DETAILS ³ SD02 ¹ SD03
- INSTALL CATCH BASIN TYPE 1L PER WSDOT STD PLAN B-5.40-02
- INSTALL STANDARD CLEANOUT PER COB DETAIL 6020
- INSERT A TEE PIPE CONNECTION, SEE SECTION 7-04 OF THE SPECIAL PROVISIONS
- CUT AND CAP, SEE DM SHEETS
- INSTALL CATCH BASIN TYPE 2 54" DIAM. PER WSDOT STD PLAN B-10.20-03
- INSTALL CATCH BASIN TYPE 2 72" DIAM. PER WSDOT STD PLAN B-10.20-03

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NOT FOR CONSTRUCTION**

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NO.	REVISIONS	DATE	BY

**CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION**

DESIGN BY: C.OEGARD DRAWN BY: G.CRUZ CHECKED BY: B.TUMBLING
 WA P.E.# N/A DATE: 10/29/2025 DATE: 10/29/2025 WA P.E.# 20123355 DATE: 10/29/2025

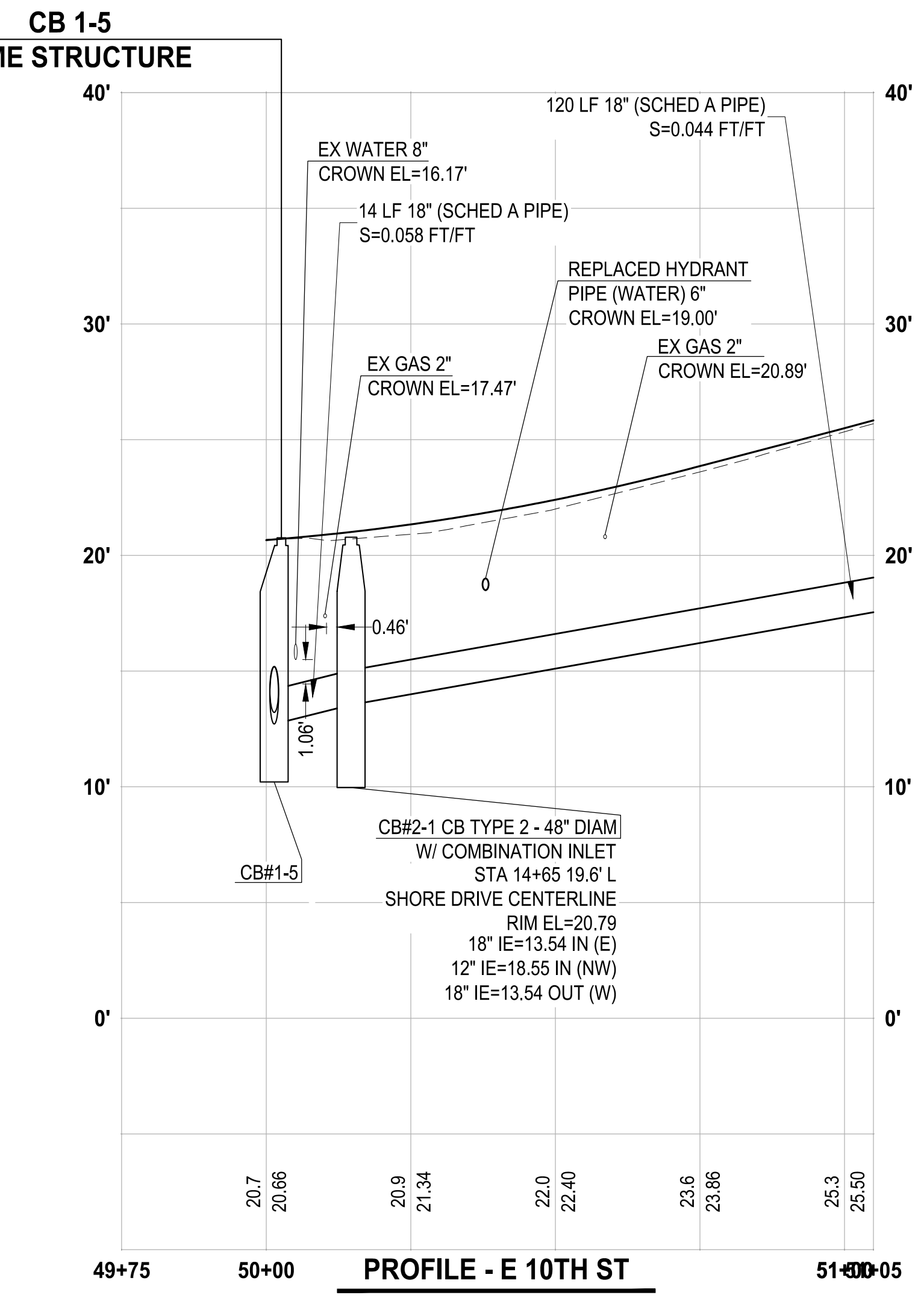
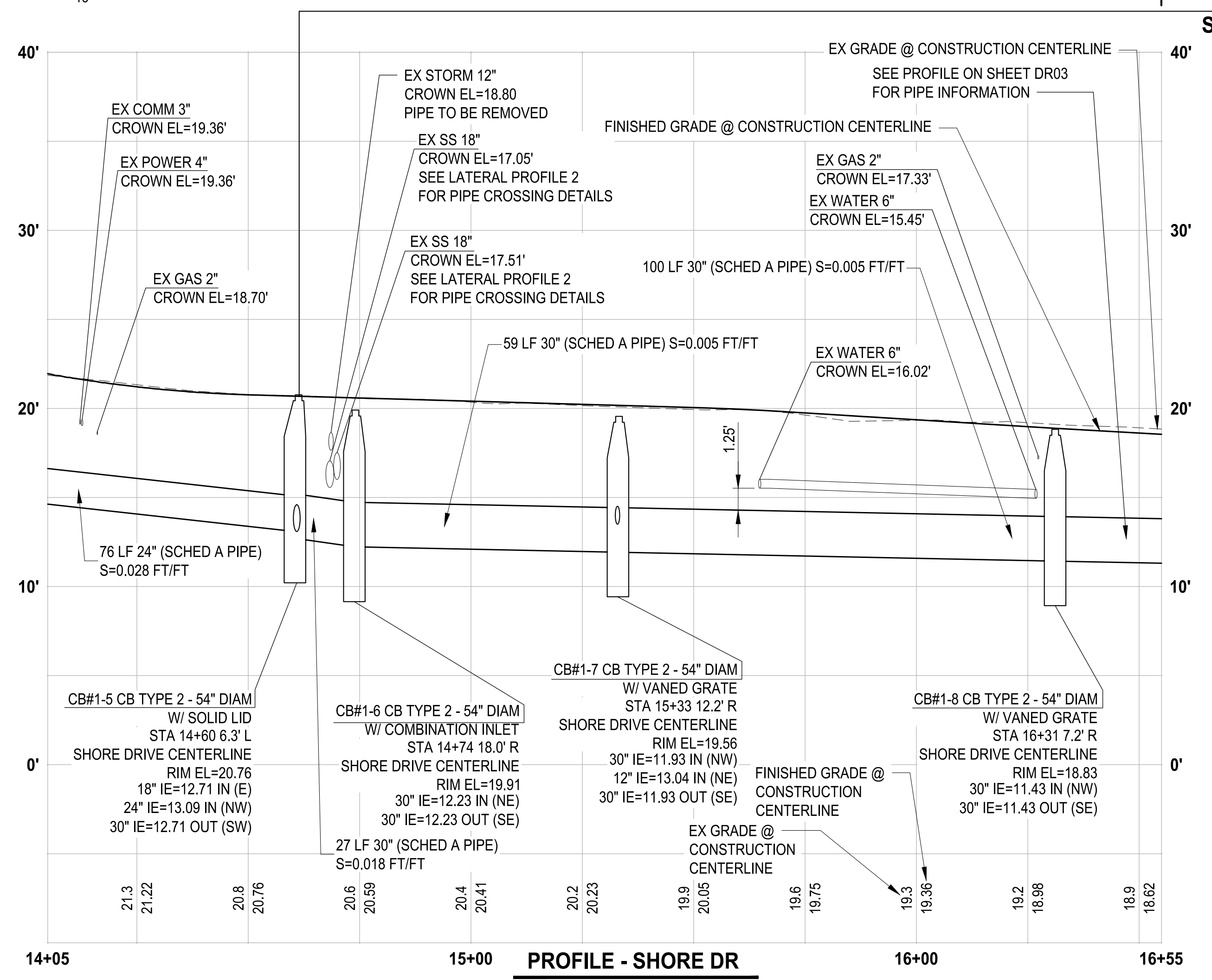
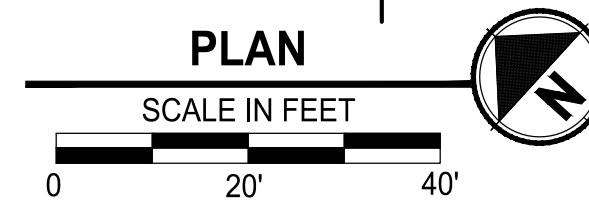
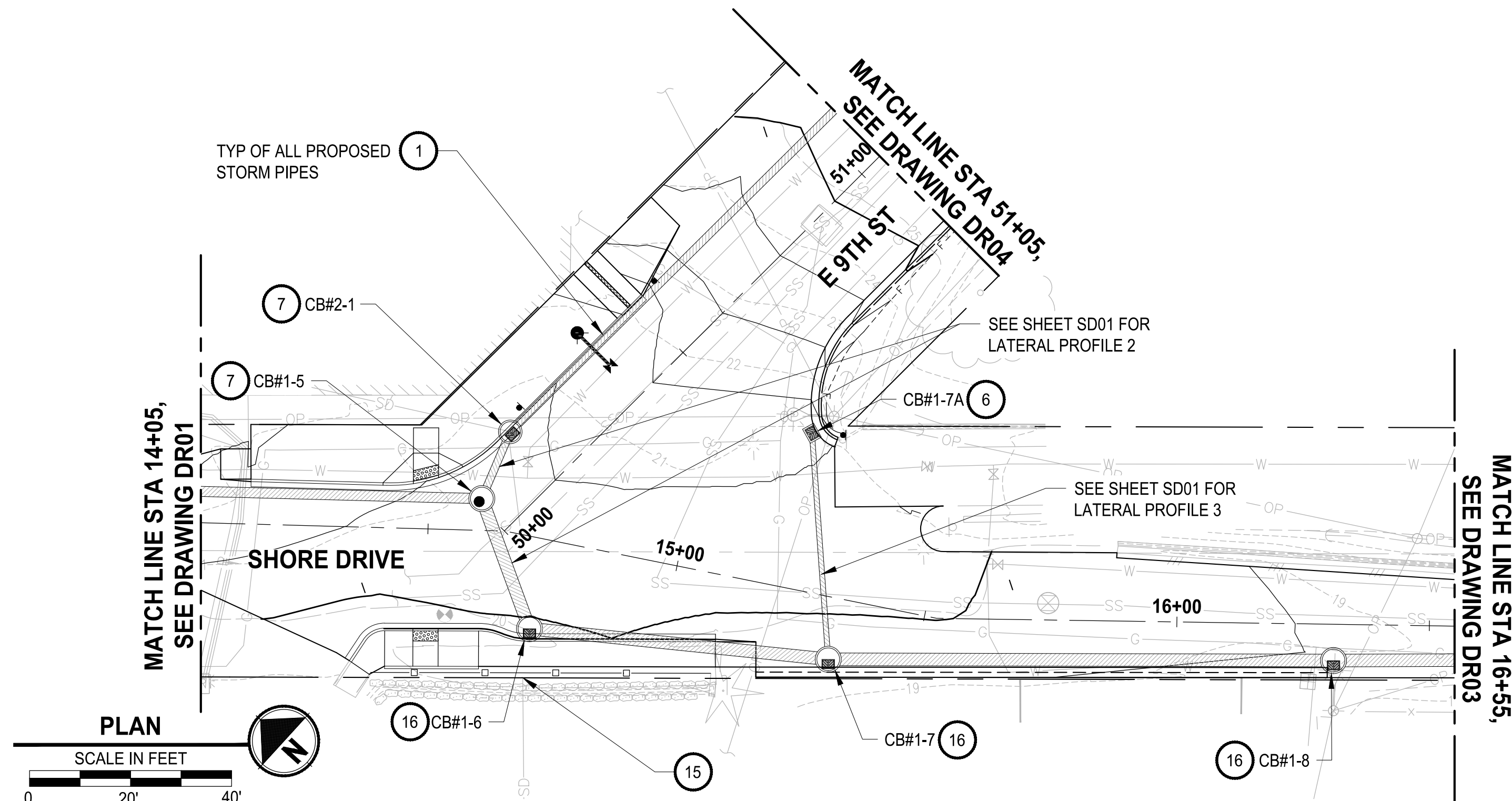
SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

**EAST 9TH STREET STORMWATER IMPROVEMENTS
DRAINAGE PLAN & PROFILE**

SHEET
14 OF 65
PN: 234-1896-196
PLATE
DR01

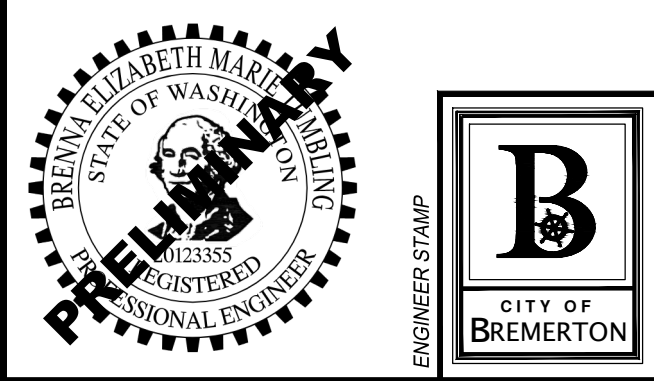
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- GENERAL NOTES:**
- STATIONS AND OFFSETS ARE REFERENCED TO THEIR RESPECTIVE ROADWAY CONSTRUCTION CENTERLINE ALIGNMENT. STORM STRUCTURE STATION AND OFFSETS ARE TO THE CENTER OF STRUCTURE.
 - RECTANGULAR BI-DIRECTIONAL VANED GRATES SHALL BE PER WSDOT STD PLAN B-30.40-03. RECTANGULAR VANED GRATES SHALL BE PER WSDOT STD PLAN B-30.30-03. COMBINATION INLETS SHALL BE PER WSDOT STD PLAN B-25.20.02
 - RECTANGULAR FRAMES SHALL BE PER WSDOT STD PLAN B-30.10-03.
 - CONTRACTOR TO INSTALL "DRAINS TO STREAM" PLACARDS PER MANUFACTURER'S SPECIFICATIONS ON ALL NEW STORMWATER INLETS. CONTRACTOR TO PROVIDE PLACARDS.
 - SEE SHEETS CR01-CR03 FOR CURB RAMP GRADING.
 - SEE SHEETS RD01-RD04 FOR ROADWAY GRADING.
 - SEE SHEETS UT01-UT04 FOR NEW AND EXISTING UTILITY ADJUSTMENTS.
 - SEE SHEETS CH01-CH02 FOR CHANNELIZATION DETAILS.
 - CONTRACTOR SHALL USE CDF BACKFILL WHERE CLEARANCE BETWEEN UTILITIES, STRUCTURES, EXISTING PIPES, AND PROPOSED PIPES IS LESS THAN 2 FEET.
 - CONTRACTOR SHALL REPLACE/ADJUST EXISTING MANHOLE/CB COVERS PER THE RD SHEETS.

- CONSTRUCTION NOTES:**
- INSTALL STORMWATER PIPE PER DETAIL ¹ SD04
 - CDF PLUG PER DETAIL ² SD04
 - CDS PER DETAIL ¹ SD02 ² SD02
 - CONNECT TO EXISTING PIPE
 - INSTALL CONCRETE INLET PER WSDOT STD PLAN B-25.60-03
 - INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-03
 - INSTALL CATCH BASIN TYPE 2 48" DIAM. PER WSDOT STD PLAN B-10.20-03
 - INSTALL CATCH BASIN TYPE 2 60" DIAM. PER WSDOT STD PLAN B-10.20-03
 - INSTALL REMOVABLE 8" MECHANICAL PLUG, SEE SECTION 7-08 OF THE SPECIAL PROVISIONS
 - INSTALL 4'X6' MWS VAULT PER DETAIL ³ SD03 ⁴ SD02 ² SD03
 - INSTALL FILTERRA VAULT PER DETAILS ³ SD02 ¹ SD03
 - INSTALL CATCH BASIN TYPE 1L PER WSDOT STD PLAN B-5.40-02
 - INSTALL STANDARD CLEANOUT PER COB DETAIL 6020
 - INSERT A TEE PIPE CONNECTION, SEE SECTION 7-04 OF THE SPECIAL PROVISIONS
 - CUT AND CAP, SEE DM SHEETS
 - INSTALL CATCH BASIN TYPE 2 54" DIAM. PER WSDOT STD PLAN B-10.20-03
 - INSTALL CATCH BASIN TYPE 2 72" DIAM. PER WSDOT STD PLAN B-10.20-03

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. ODEGARD
WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: G. CRUZ
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
DRAINAGE PLAN & PROFILE

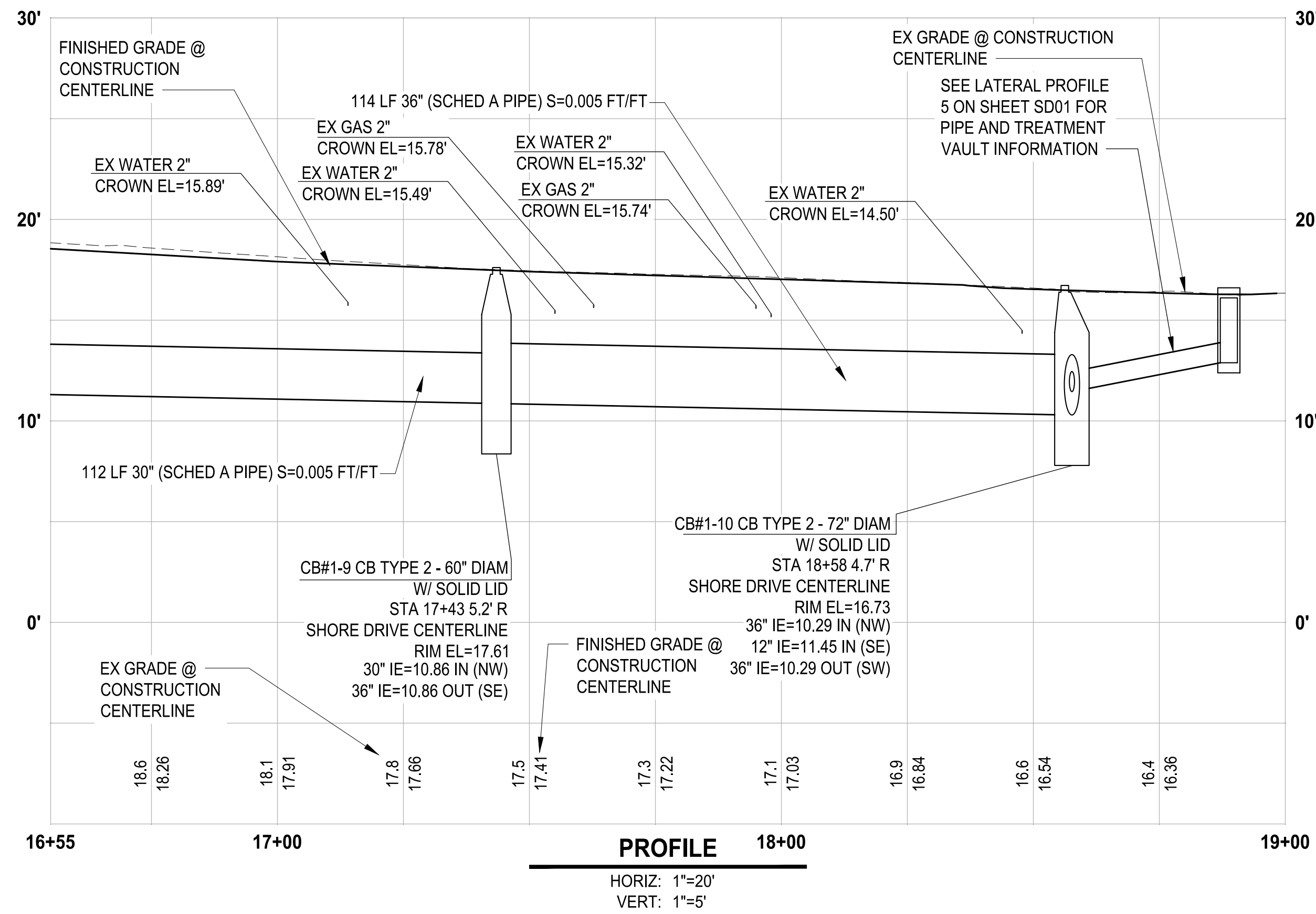
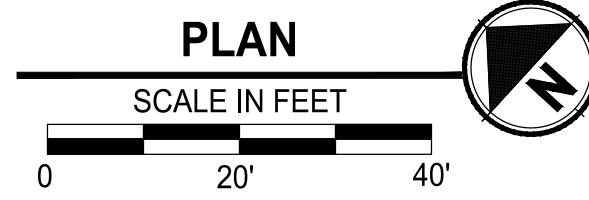
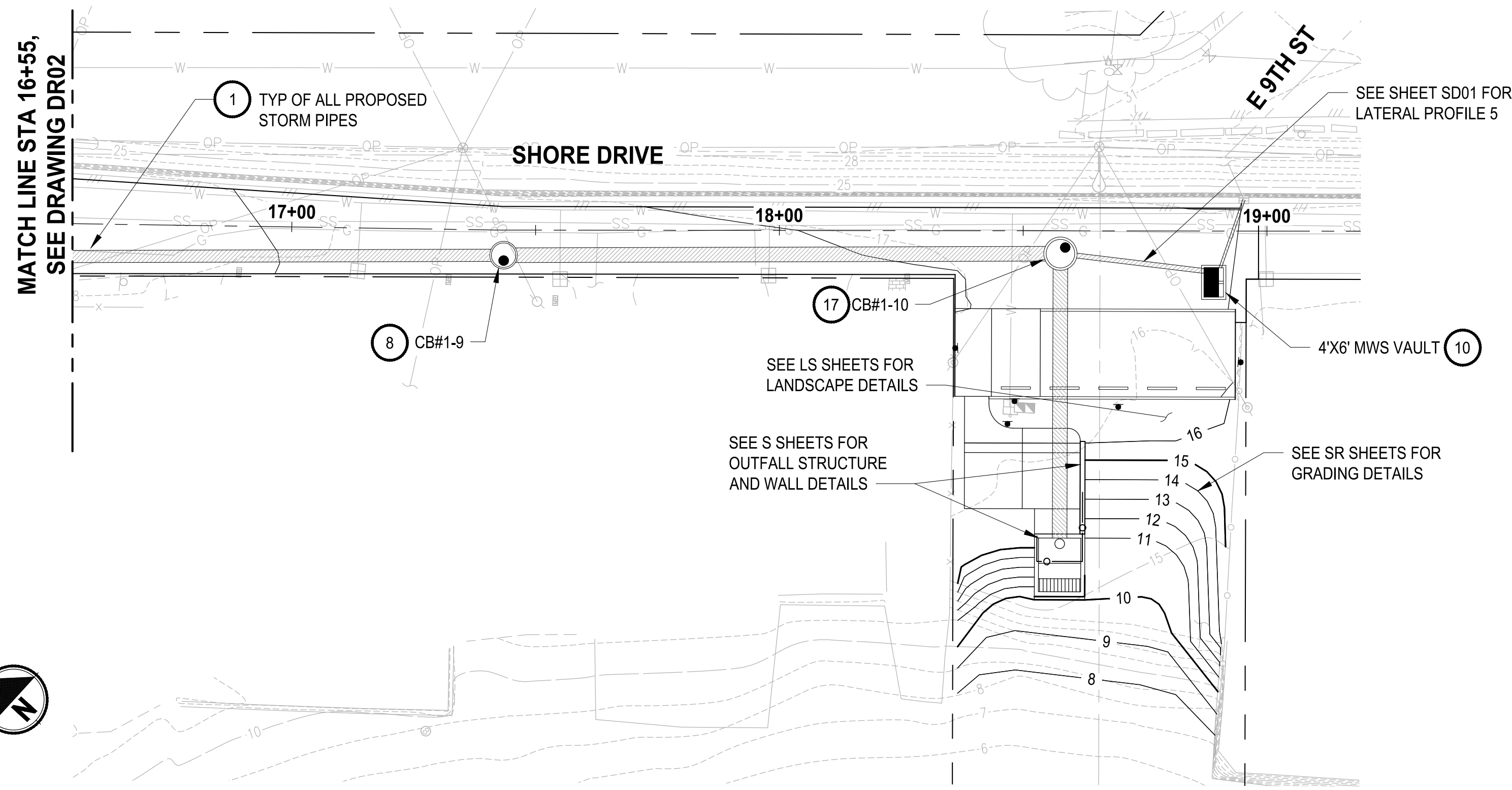
SHEET
15 OF 65

PN: 234-1896-196

PLATE
DR02

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

FILE: P:\369150-DR01 LAYOUT: DR02 PATH: U:\P369\Projects\Clients\16886-CityOfBremerton\234-1896-196 E:\MS\Stormwater\mprova\995xcs\CADD\DWG PLOTTED BY: CdegaCoo DATE: Thursday, October 30, 2025 11:21:09 AM



GENERAL NOTES:

- STATIONS AND OFFSETS ARE REFERENCED TO THEIR RESPECTIVE ROADWAY CONSTRUCTION CENTERLINE ALIGNMENT.
- STORM STRUCTURE STATION AND OFFSETS ARE TO THE CENTER OF STRUCTURE.
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- RECTANGULAR FRAMES SHALL BE PER WSDOT STD PLAN B-30.10-03.
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- SEE SHEETS CR01-CR03 FOR CURB RAMP GRADING.
- SEE SHEETS RD01-RD04 FOR ROADWAY GRADING.
- SEE SHEETS UT01-UT04 FOR NEW AND EXISTING UTILITY ADJUSTMENTS.
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- CONTRACTOR SHALL REPLACE/ADJUST EXISTING MANHOLE/CB COVERS PER THE RD SHEETS.

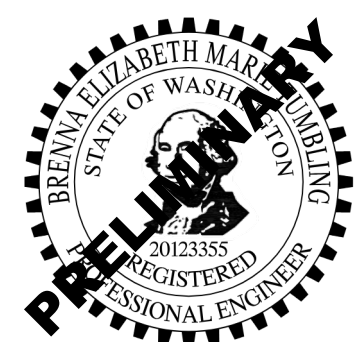
CONSTRUCTION NOTES:

- INSTALL STORMWATER PIPE PER DETAIL SD04
- CDF PLUG PER DETAIL SD04
- CDS PER DETAIL SD02, SD02
- CONNECT TO EXISTING PIPE
- INSTALL CONCRETE INLET PER WSDOT STD PLAN B-25.60-03
- INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-03
- INSTALL CATCH BASIN TYPE 2 48" DIAM. PER WSDOT STD PLAN B-10.20-03
- INSTALL CATCH BASIN TYPE 2 60" DIAM. PER WSDOT STD PLAN B-10.20-03
- INSTALL REMOVABLE 8" MECHANICAL PLUG, SEE SECTION 7-08 OF THE SPECIAL PROVISIONS
- INSTALL 4'x6" MWS VAULT PER DETAIL SD03, SD02, SD03
- INSTALL FILTERRA VAULT PER DETAILS SD02, SD03, SD03
- INSTALL CATCH BASIN TYPE 1L PER WSDOT STD PLAN B-5.40-02
- INSTALL STANDARD CLEANOUT PER COB DETAIL 6020
- INSERT A TEE PIPE CONNECTION, SEE SECTION 7-04 OF THE SPECIAL PROVISIONS
- CUT AND CAP, SEE DM SHEETS
- INSTALL CATCH BASIN TYPE 2 54" DIAM. PER WSDOT STD PLAN B-10.20-03
- INSTALL CATCH BASIN TYPE 2 72" DIAM. PER WSDOT STD PLAN B-10.20-03

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NO.	REVISIONS	DATE	BY

**CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION**

DESIGN BY: C. ODEGARD
WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: G. CRUZ
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

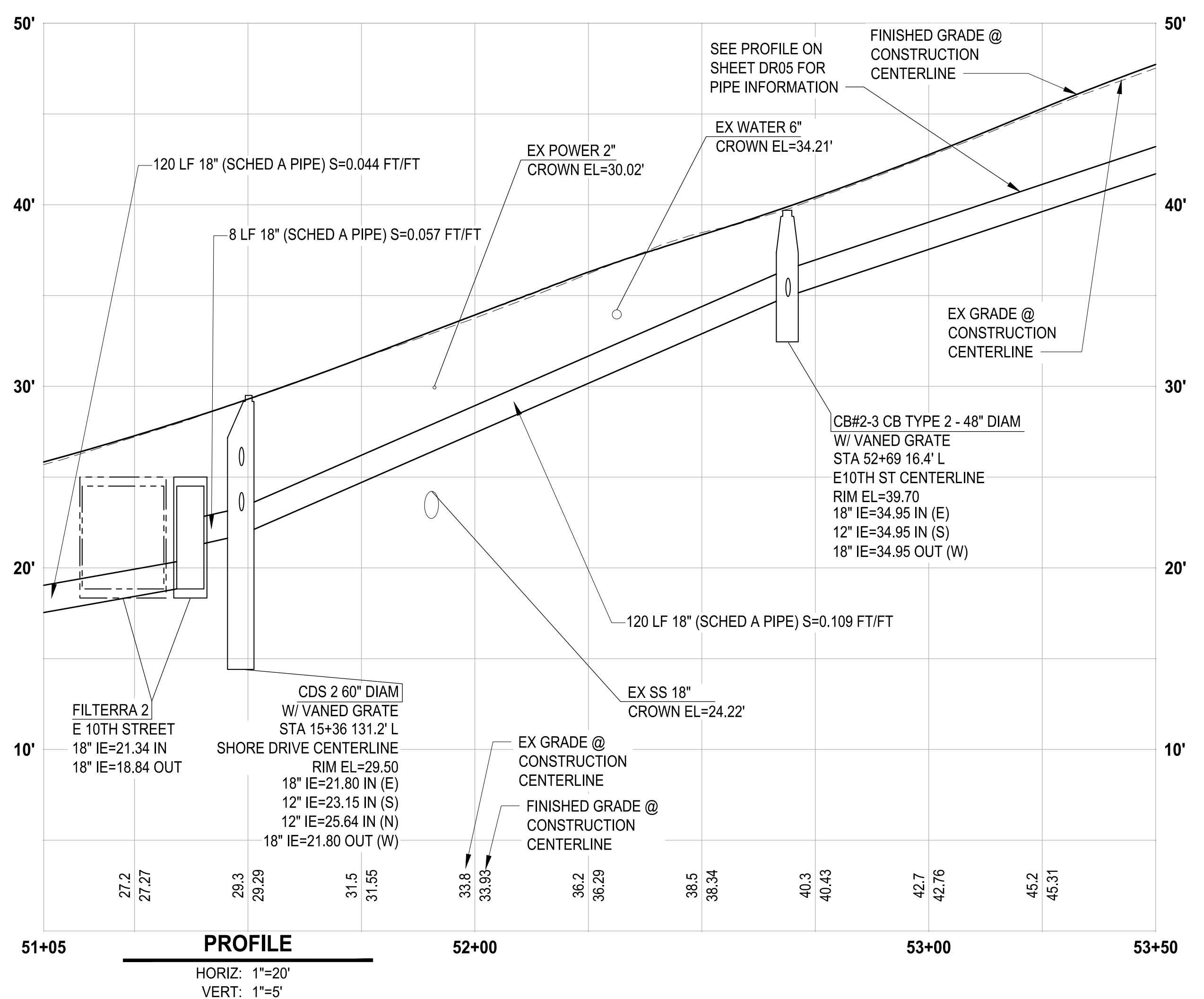
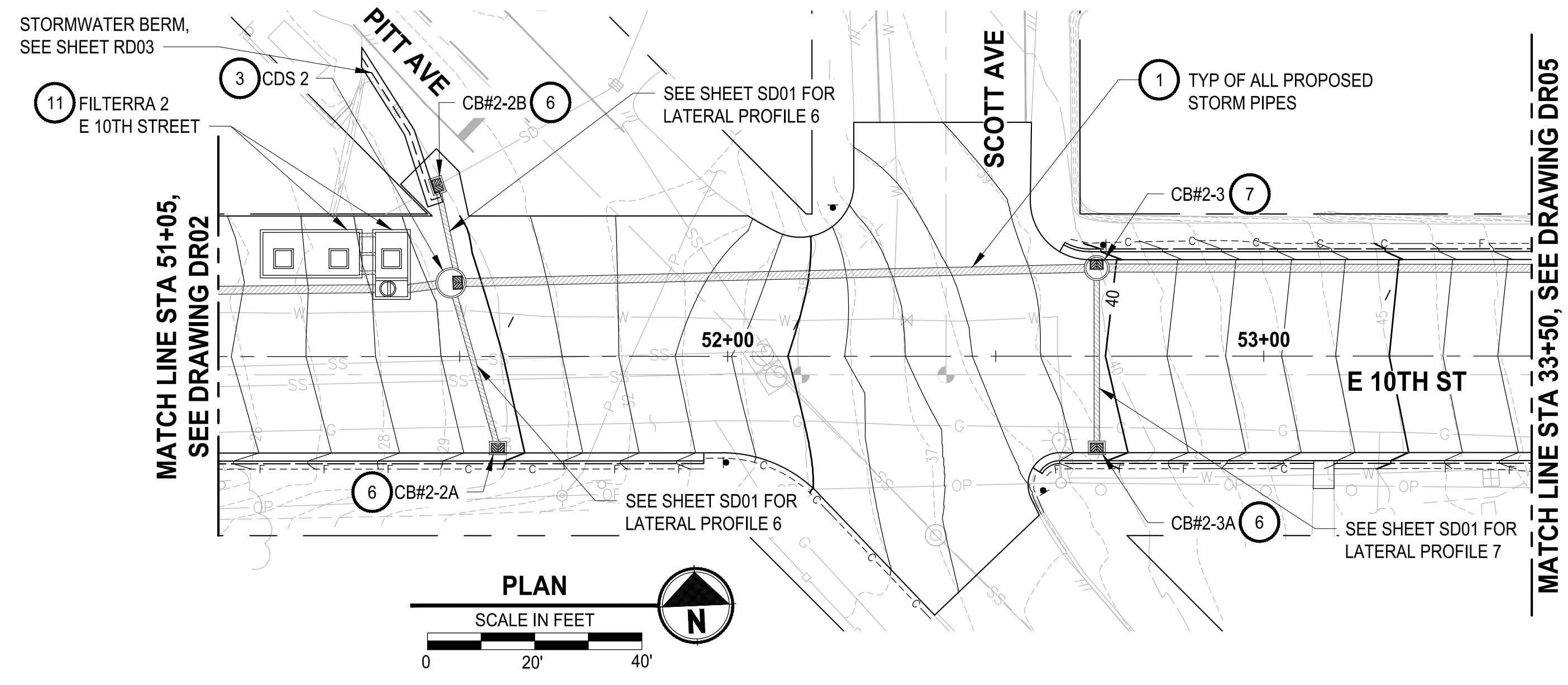
**EAST 9TH STREET STORMWATER IMPROVEMENTS
DRAINAGE PLAN & PROFILE**

SHEET
16 OF 65

PN: 234-1896-196

PLATE
DR03

FILE: P:\369130-DR03\PROJECTS\Clients\1896-196\Bremerton\234-1896-196\Bremerton\Stormwater\Drawings\995363\CADD\DWG_PLOTTED BY: Acadabus DATE: Wednesday, October 29, 2025 6:08:39 PM



- GENERAL NOTES:**
- STATIONS AND OFFSETS ARE REFERENCED TO THEIR RESPECTIVE ROADWAY CONSTRUCTION CENTERLINE ALIGNMENT. STORM STRUCTURE STATION AND OFFSETS ARE TO THE CENTER OF STRUCTURE.
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 - SEE SHEETS RD01-RD04 FOR ROADWAY GRADING.
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 - CONTRACTOR SHALL REPLACE/ADJUST EXISTING MANHOLE/CB COVERS PER THE RD SHEETS.

- CONSTRUCTION NOTES:**
- INSTALL STORMWATER PIPE PER DETAIL 1 SD04
 - CDF PLUG PER DETAIL 2 SD04
 - CDS PER DETAIL 1 SD02, 2 SD02
 - CONNECT TO EXISTING PIPE
 - INSTALL CONCRETE INLET PER WSDOT STD PLAN B-25.60-03
 - INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-03
 - INSTALL CATCH BASIN TYPE 2 48" DIAM. PER WSDOT STD PLAN B-10.20-03
 - INSTALL CATCH BASIN TYPE 2 60" DIAM. PER WSDOT STD PLAN B-10.20-03
 - INSTALL REMOVABLE 8" MECHANICAL PLUG. SEE SECTION 7-08 OF THE SPECIAL PROVISIONS
 - INSTALL 4'X6' MWS VAULT PER DETAIL 3 SD03, 4 SD02, 2 SD03
 - INSTALL FILTERRA VAULT PER DETAILS 3 SD02, 1 SD03
 - INSTALL CATCH BASIN TYPE 1L PER WSDOT STD PLAN B-5.40-02
 - INSTALL STANDARD CLEANOUT PER COB DETAIL 6020
 - INSERT A TEE PIPE CONNECTION, SEE SECTION 7-04 OF THE SPECIAL PROVISIONS
 - CUT AND CAP, SEE DM SHEETS
 - INSTALL CATCH BASIN TYPE 2 54" DIAM. PER WSDOT STD PLAN B-10.20-03
 - INSTALL CATCH BASIN TYPE 2 72" DIAM. PER WSDOT STD PLAN B-10.20-03

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. ODEGARD
 WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: G. CRUZ
 DATE: 10/29/2025

CHECKED BY: B. TUMBLING
 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
DRAINAGE PLAN & PROFILE

SHEET
17 OF 65

PN: 234-1896-196

PLATE
DR04

90 % REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION

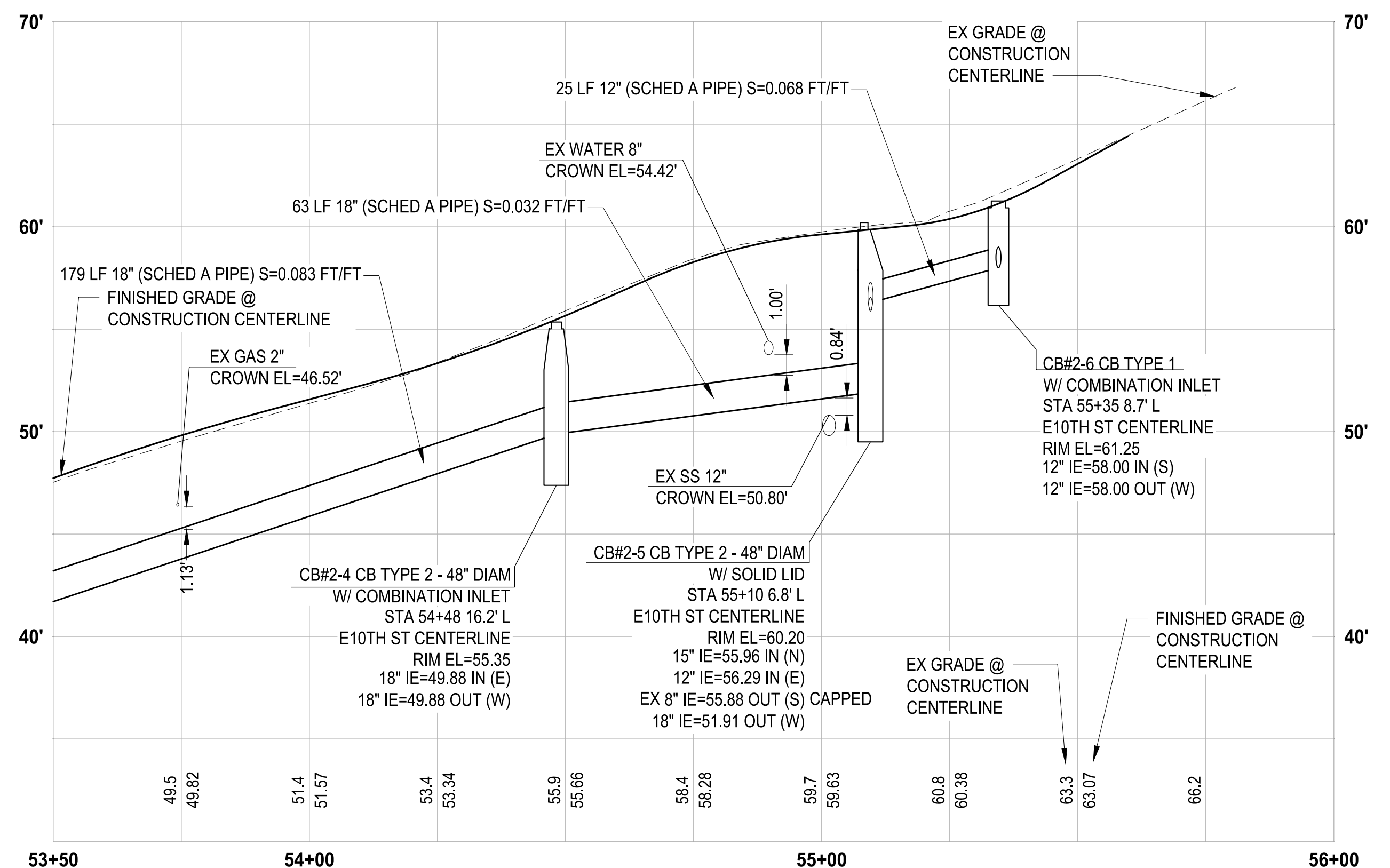
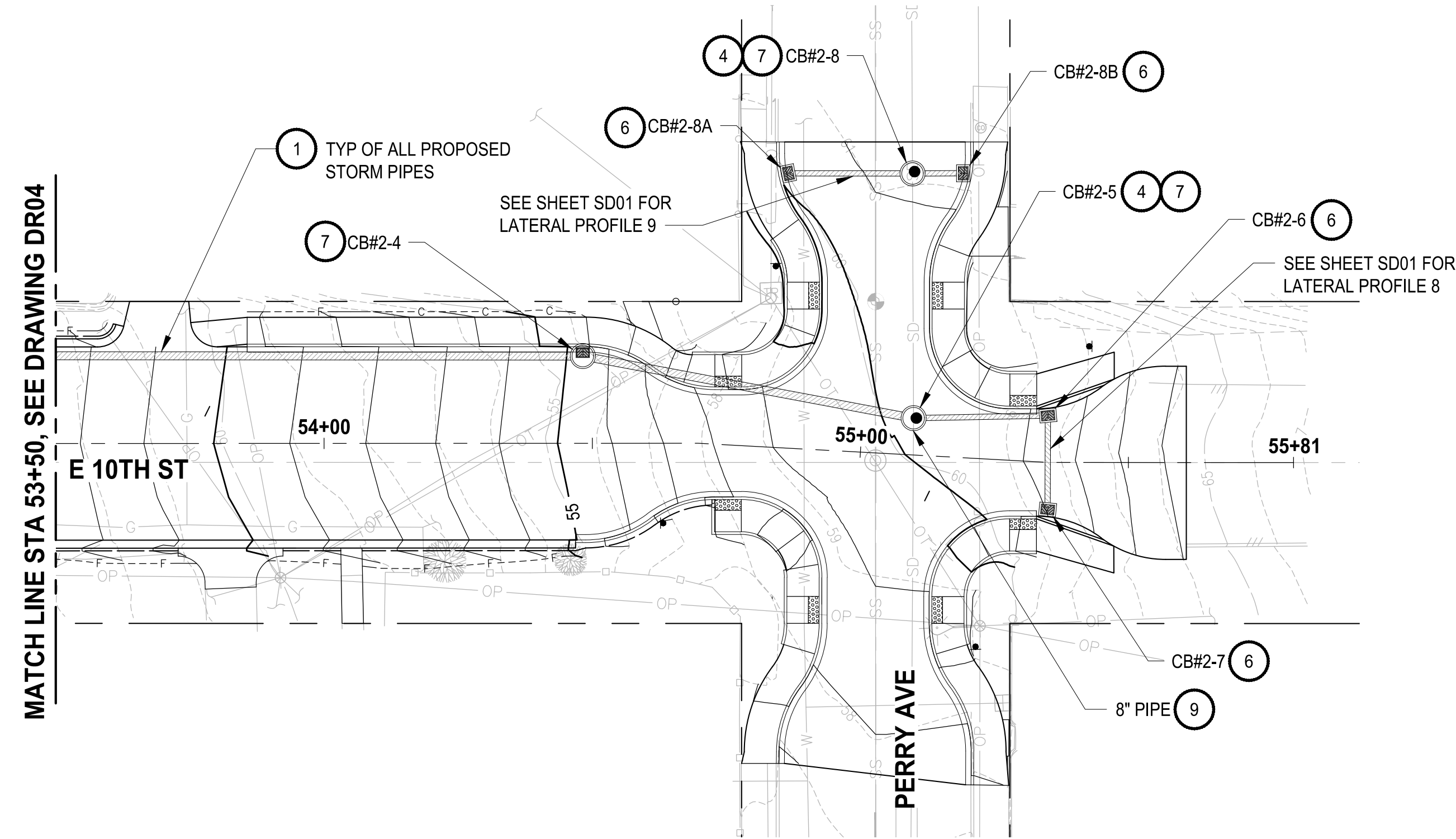
FILE: P:\369196-196\CAD\DWG\1896-196 E:\INS\Stormwater\improva\995xcs\CADD\DWG PLOTTED BY: Akadabus DATE: Wednesday, October 29, 2025 6:08:43 PM LAYOUT: DR04

GENERAL NOTES:

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CONSTRUCTION NOTES:

- INSTALL STORMWATER PIPE PER DETAIL 1 SD04
- CDF PLUG PER DETAIL 2 SD04
- CDS PER DETAIL 1 SD02 2 SD02
- CONNECT TO EXISTING PIPE
- INSTALL CONCRETE INLET PER WSDOT STD PLAN B-25.60-03
- INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-03
- INSTALL CATCH BASIN TYPE 2 48" DIAM. PER WSDOT STD PLAN B-10.20-03
- INSTALL CATCH BASIN TYPE 2 60" DIAM. PER WSDOT STD PLAN B-10.20-03
- INSTALL REMOVABLE 8" MECHANICAL PLUG. SEE SECTION 7-08 OF THE SPECIAL PROVISIONS
- INSTALL 4'X6' MWS VAULT PER DETAIL 3 SD03 4 SD02 2 SD03
- INSTALL FILTERRA VAULT PER DETAILS 3 SD02 1 SD03
- INSTALL CATCH BASIN TYPE 1L PER WSDOT STD PLAN B-5.40-02
- INSTALL STANDARD CLEANOUT PER COB DETAIL 6020
- INSERT A TEE PIPE CONNECTION, SEE SECTION 7-04 OF THE SPECIAL PROVISIONS
- CUT AND CAP, SEE DM SHEETS
- INSTALL CATCH BASIN TYPE 2 54" DIAM. PER WSDOT STD PLAN B-10.20-03
- INSTALL CATCH BASIN TYPE 2 72" DIAM. PER WSDOT STD PLAN B-10.20-03

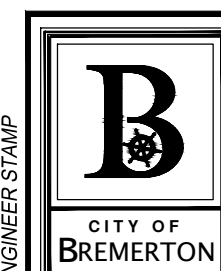


PROFILE

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



Know what's below.
Call before you dig.
Determina lo que esta bajo tierra.
Llama antes de excavar.



Parametrix

NO.	REVISIONS	DATE	BY

**CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION**

DESIGN BY: C. ODEGARD
WA P.E.# N/A DATE: 10/29/2025
DRAWN BY: G. CRUZ
DATE: 10/29/2025
CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

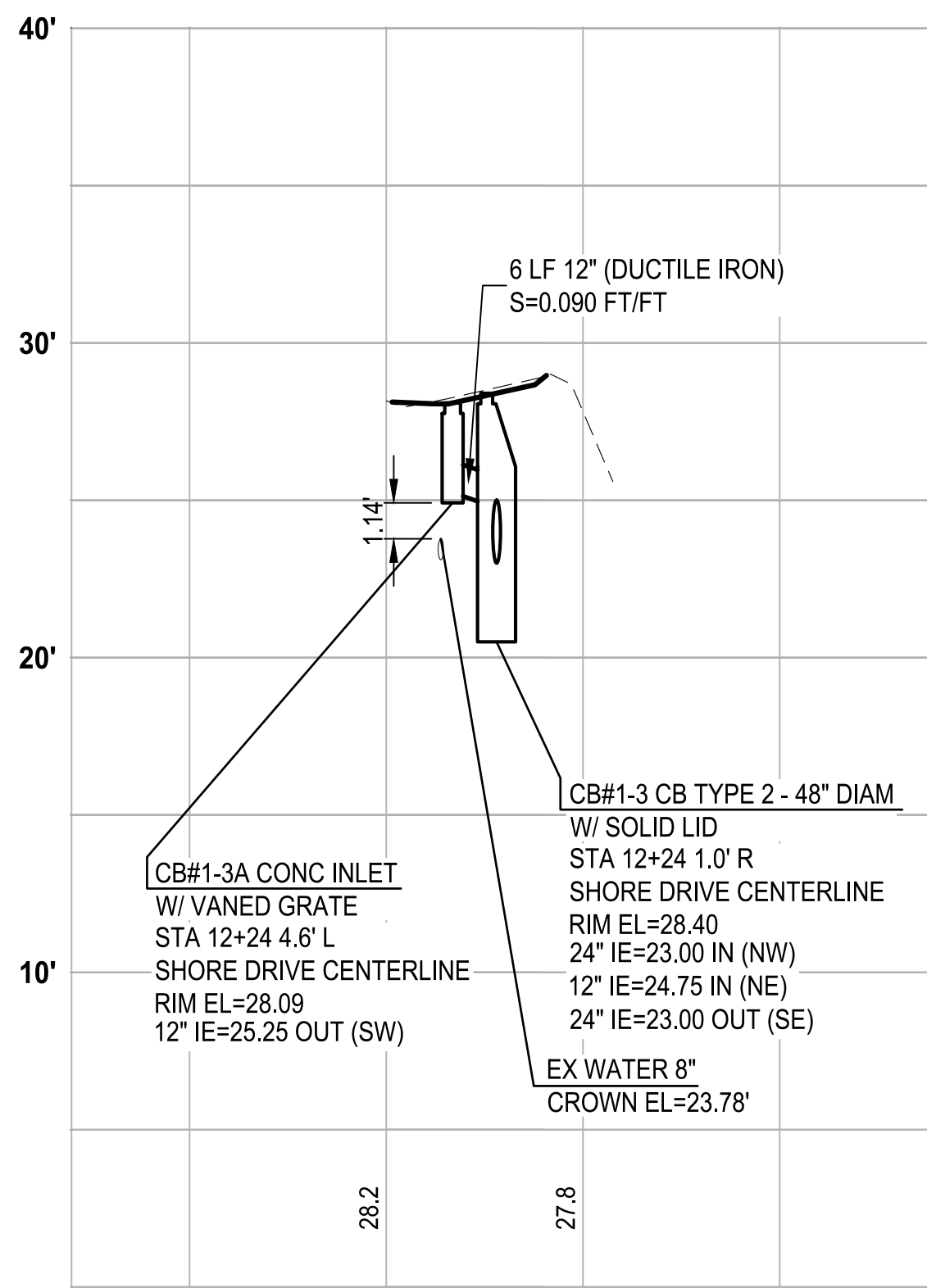
**EAST 9TH STREET STORMWATER IMPROVEMENTS
DRAINAGE PLAN & PROFILE**

SHEET
18 OF 65

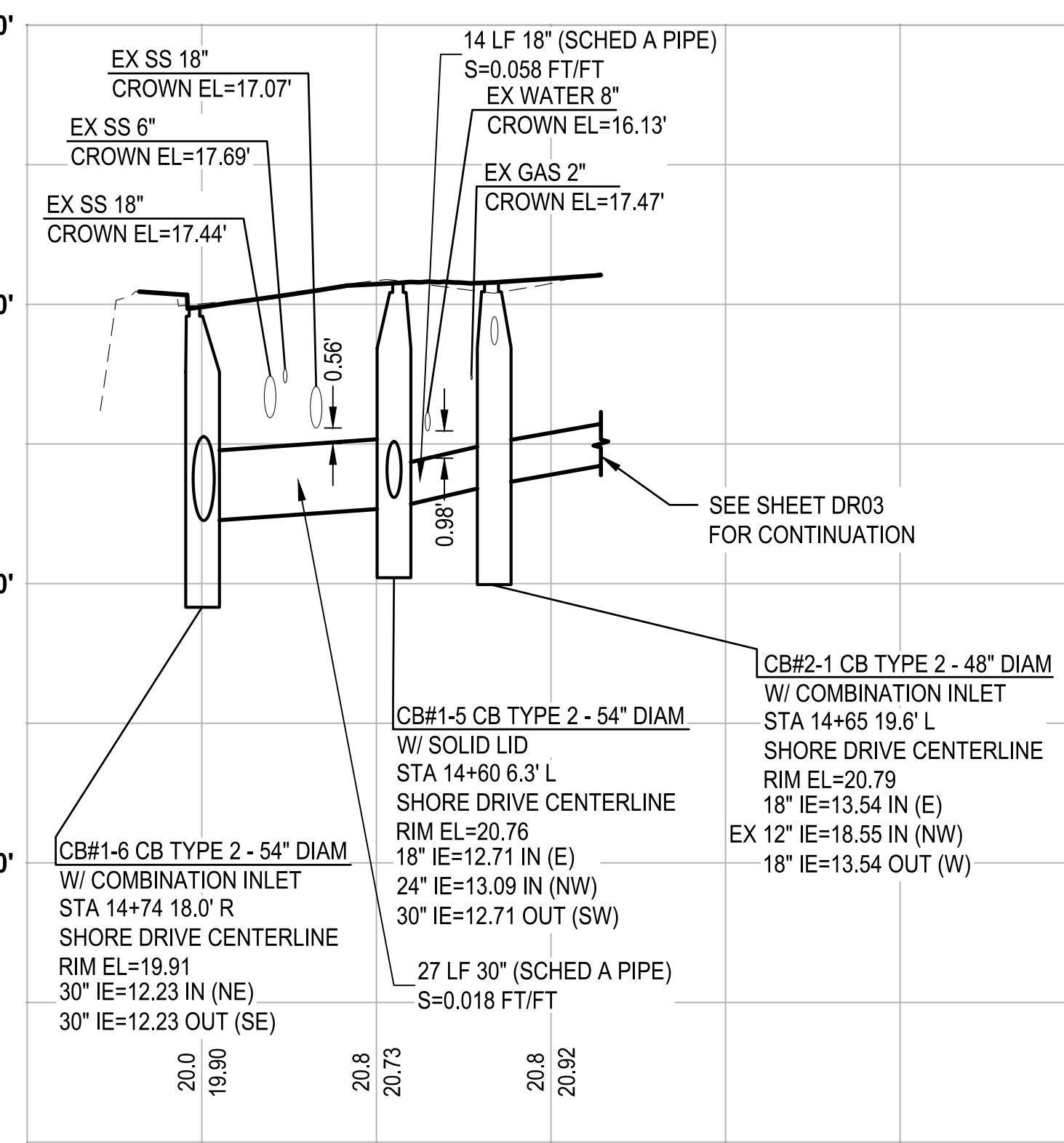
PN: 234-1896-196

PLATE
DR05

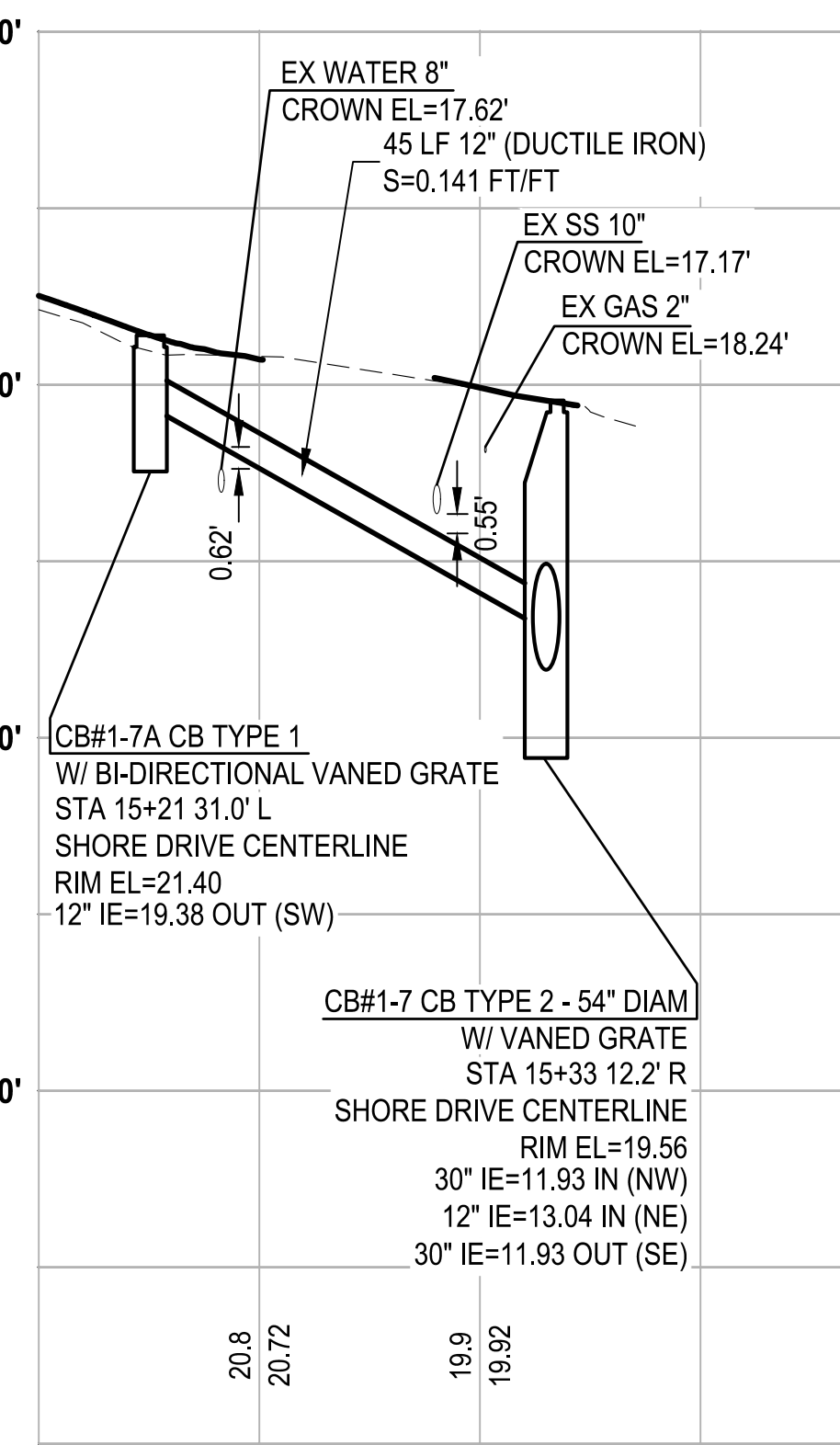
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NOT FOR CONSTRUCTION**



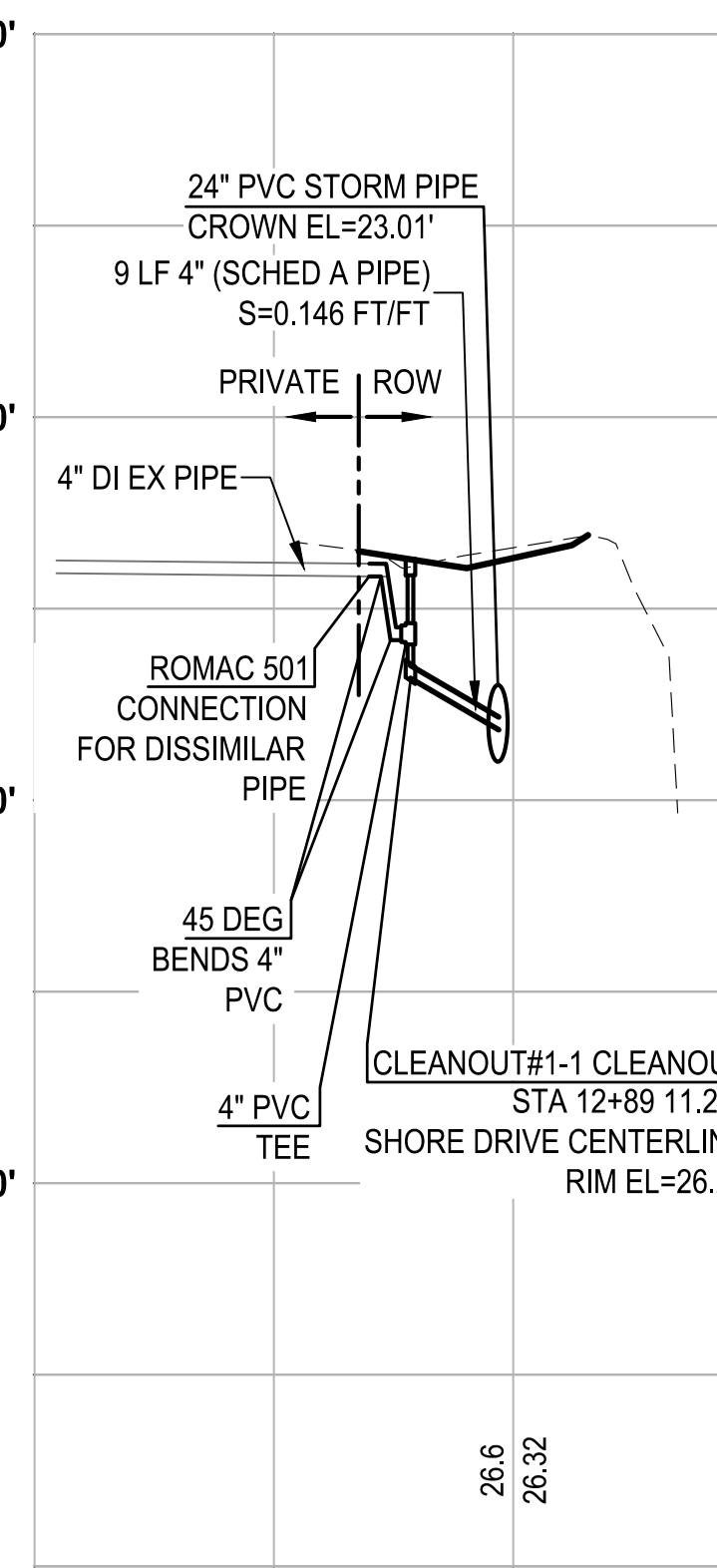
LATERAL PROFILE 1
 DR01
 HORIZ: 1"=20'
 VERT: 1"=5'



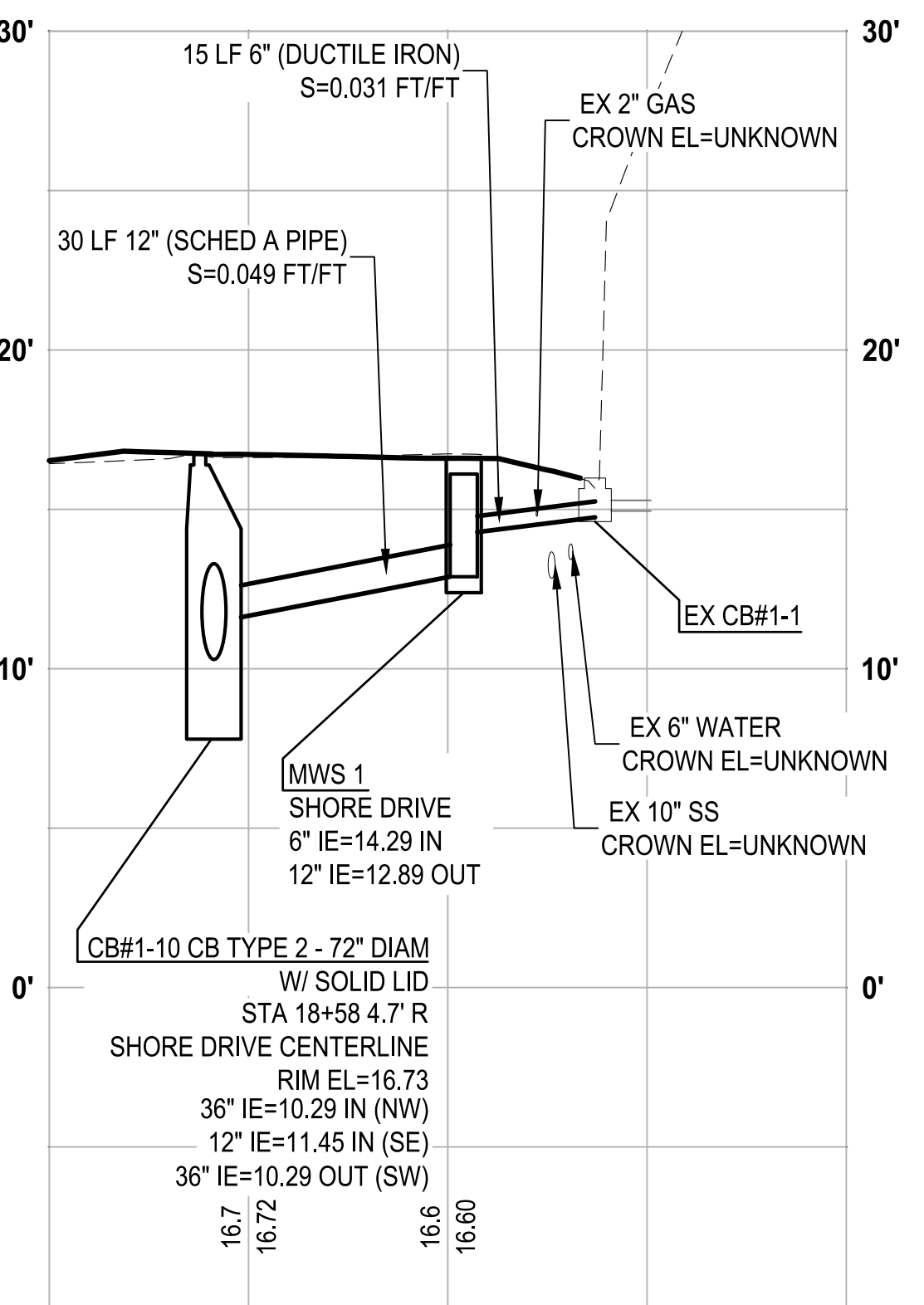
LATERAL PROFILE 2
 DR02
 HORIZ: 1"=20'
 VERT: 1"=5'



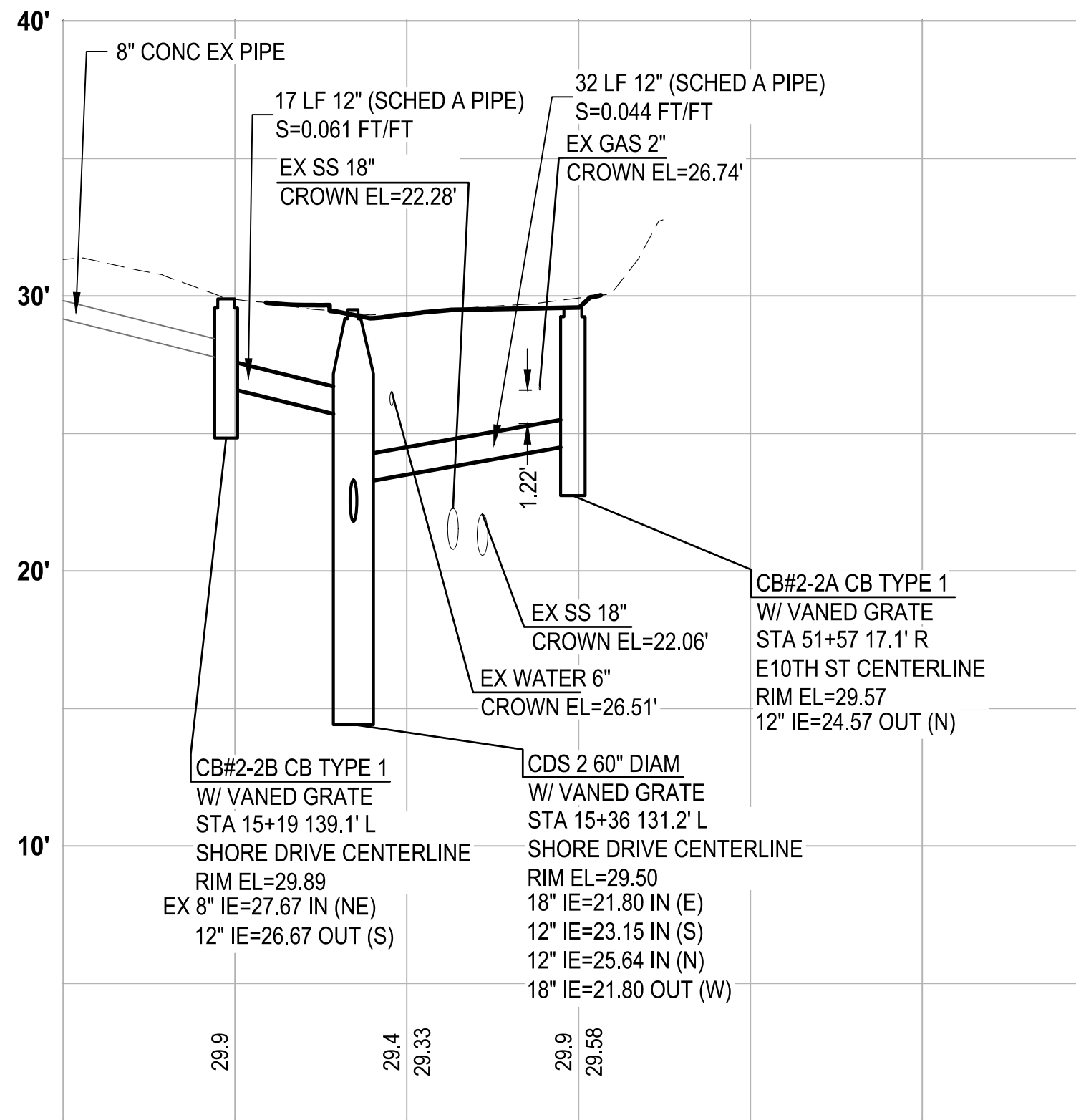
LATERAL PROFILE 3
 DR02
 HORIZ: 1"=20'
 VERT: 1"=5'



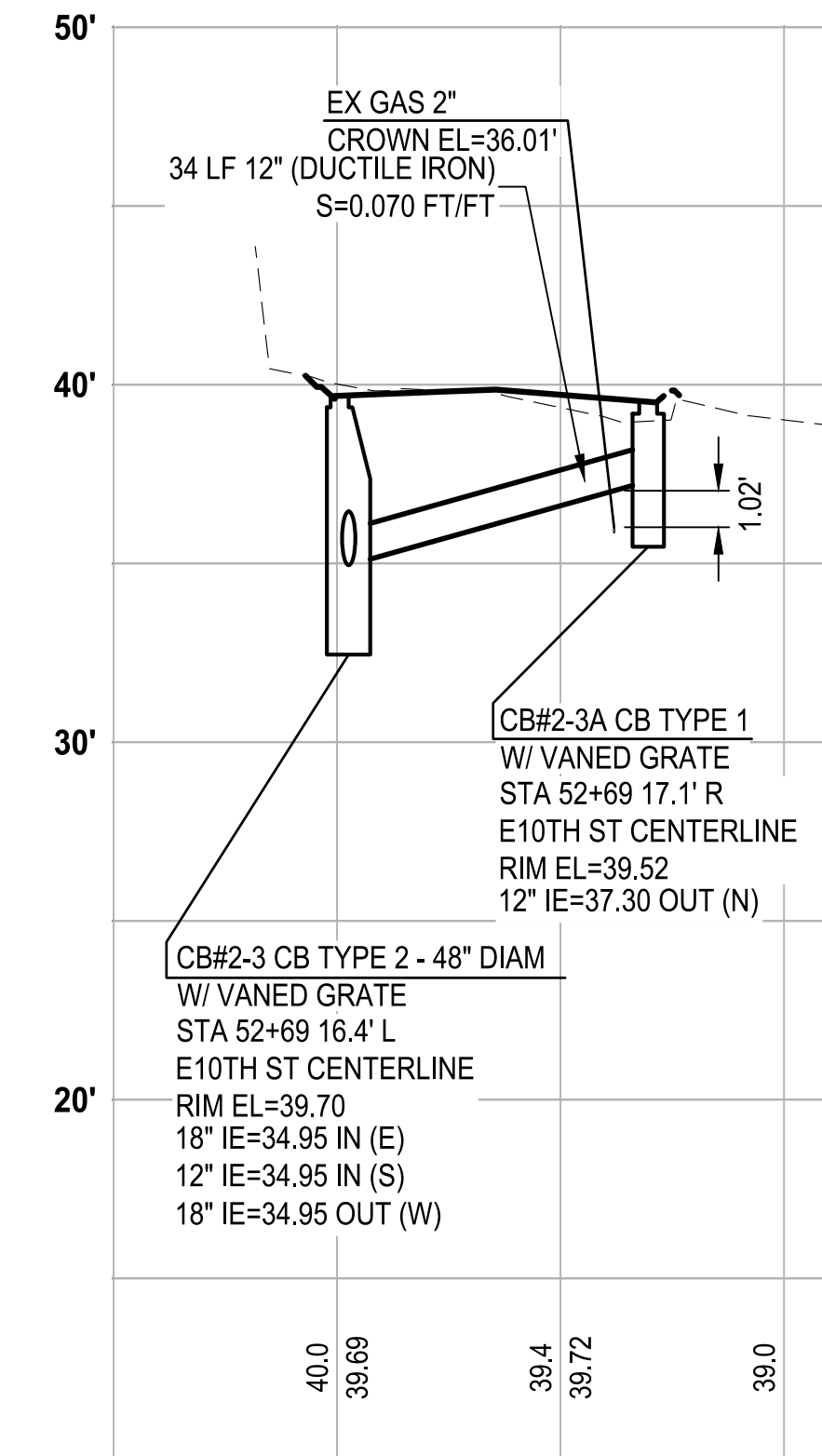
LATERAL PROFILE 4
 DR01
 HORIZ: 1"=20'
 VERT: 1"=5'



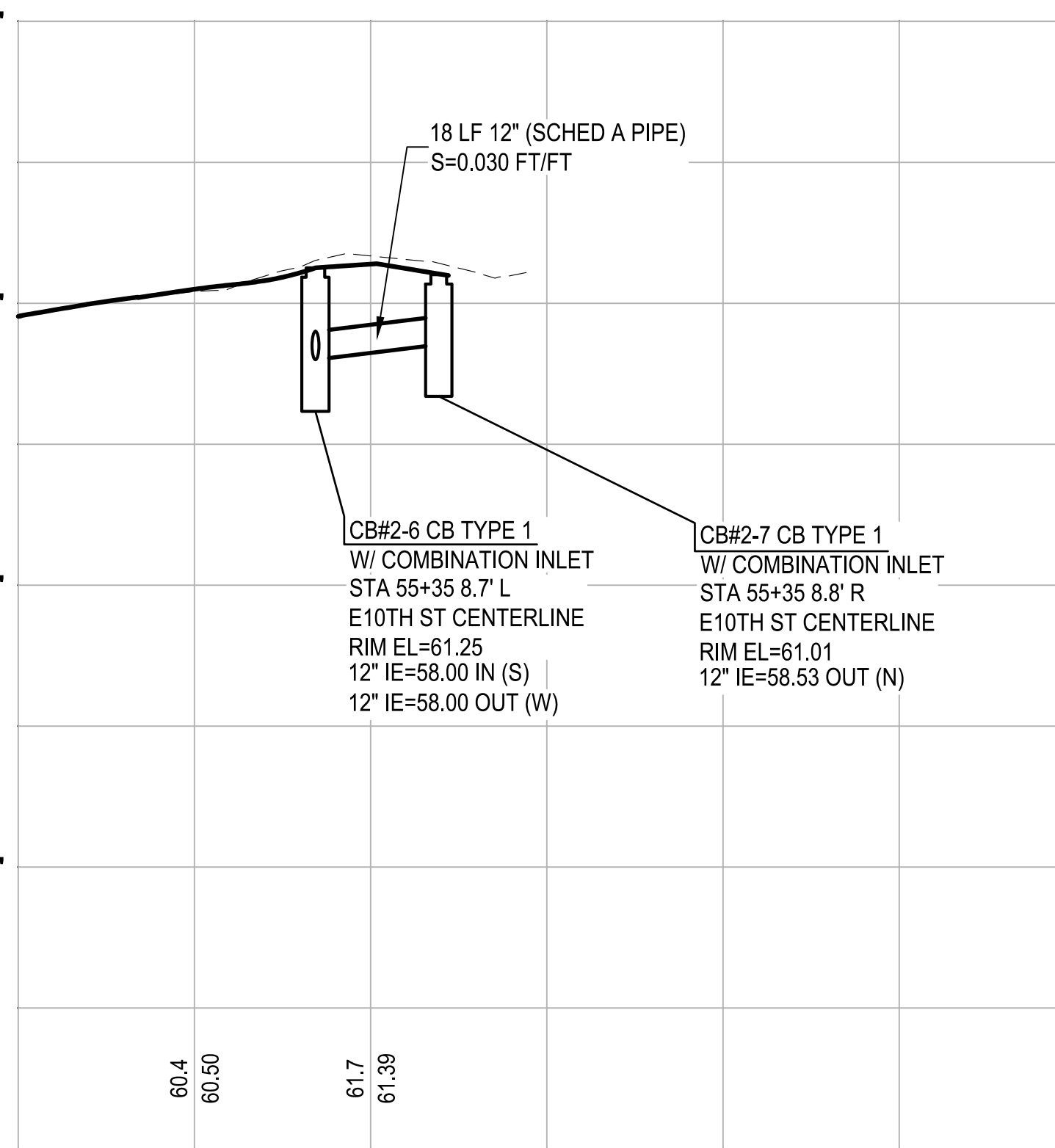
LATERAL PROFILE 5
 DR03
 HORIZ: 1"=20'
 VERT: 1"=5'



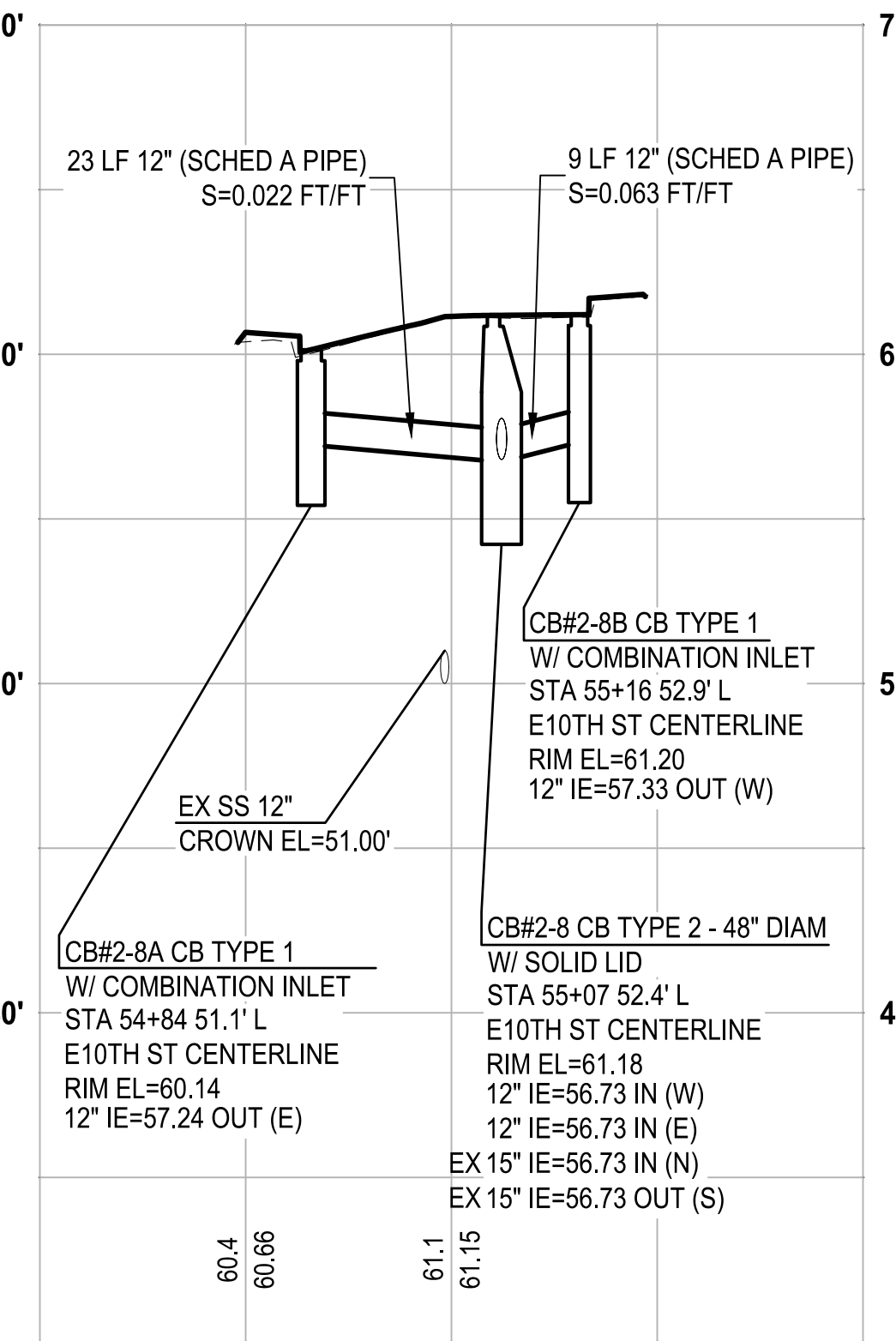
LATERAL PROFILE 6
 DR04
 HORIZ: 1"=20'
 VERT: 1"=5'



LATERAL PROFILE 7
 DR04
 HORIZ: 1"=20'
 VERT: 1"=5'



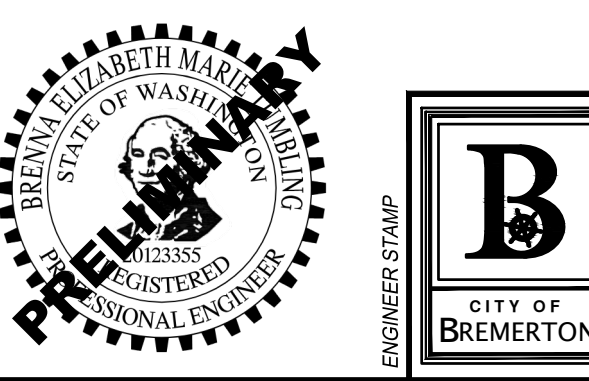
LATERAL PROFILE 8
 DR05
 HORIZ: 1"=20'
 VERT: 1"=5'



LATERAL PROFILE 9
 DR05
 HORIZ: 1"=20'
 VERT: 1"=5'



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 Call before you dig.
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 Llama antes de excavar.



NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. ODEGARD
 WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: C. ODEGARD
 DATE: 10/29/2025

CHECKED BY: B. TUMBLING
 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
STORMWATER PROFILES

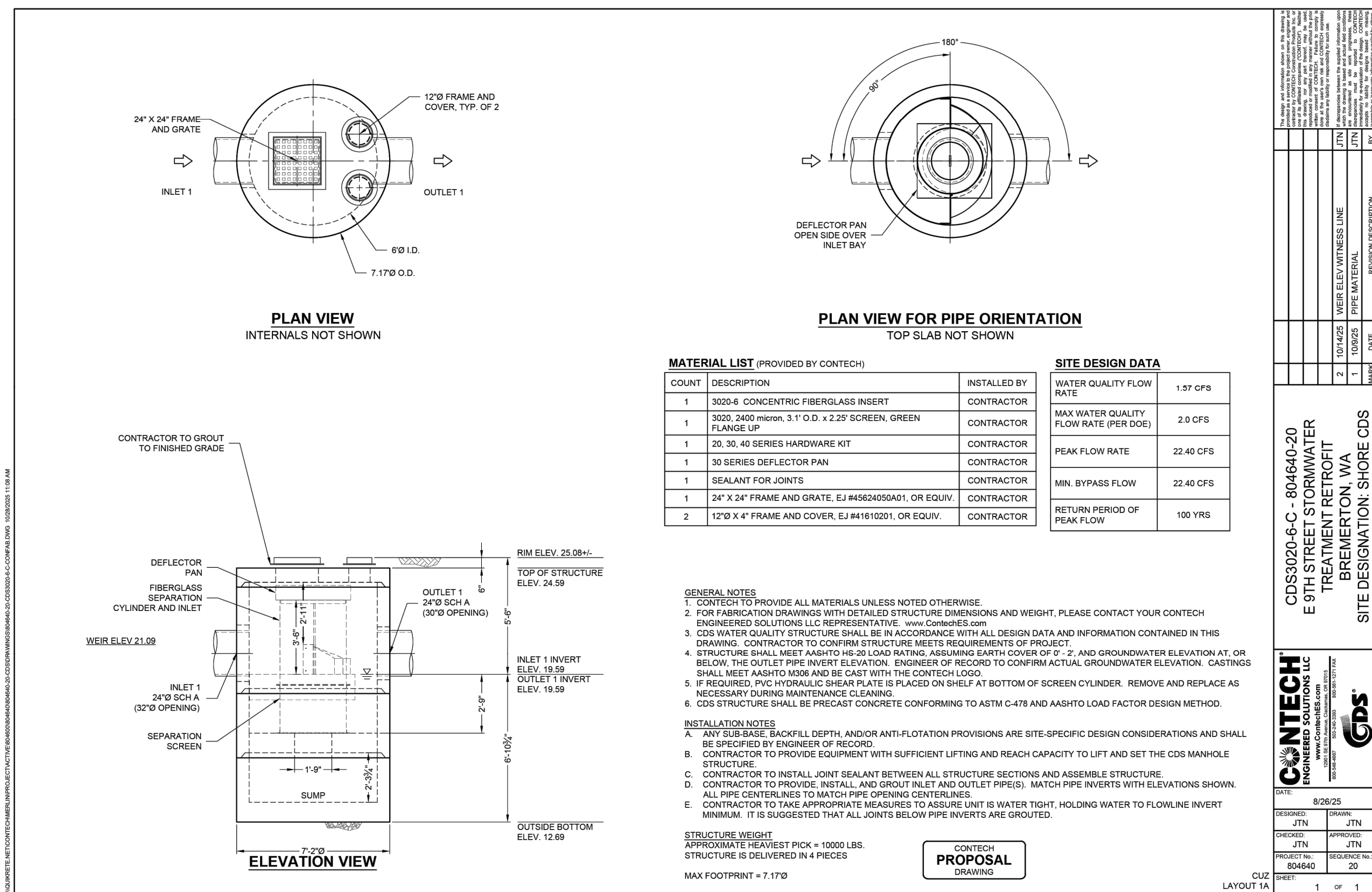
SHEET
19 OF 65

PN: 234-1896-196

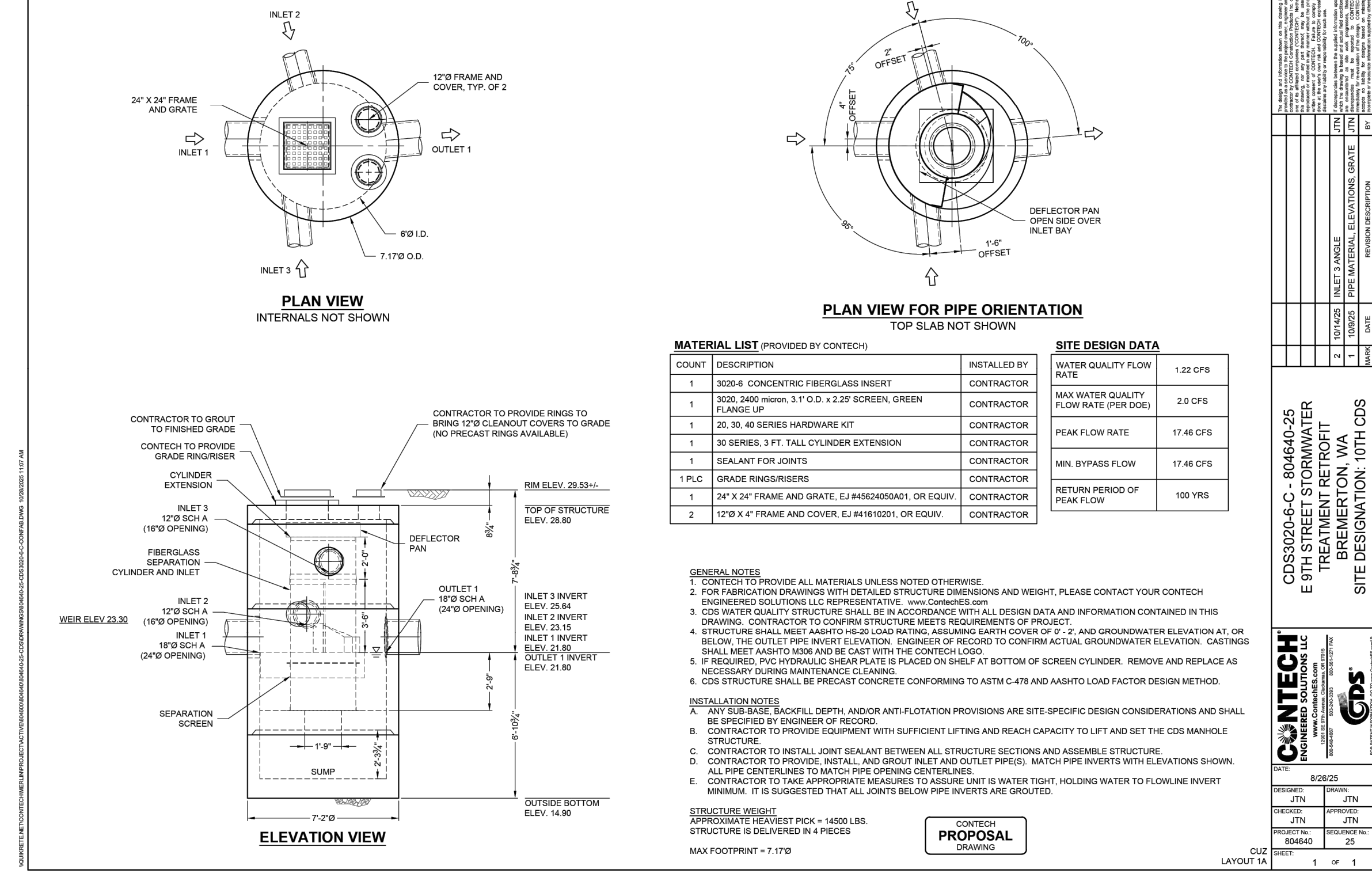
PLATE
SD01

FILE: P:\3169196-SD01 LAYOUT: SD01
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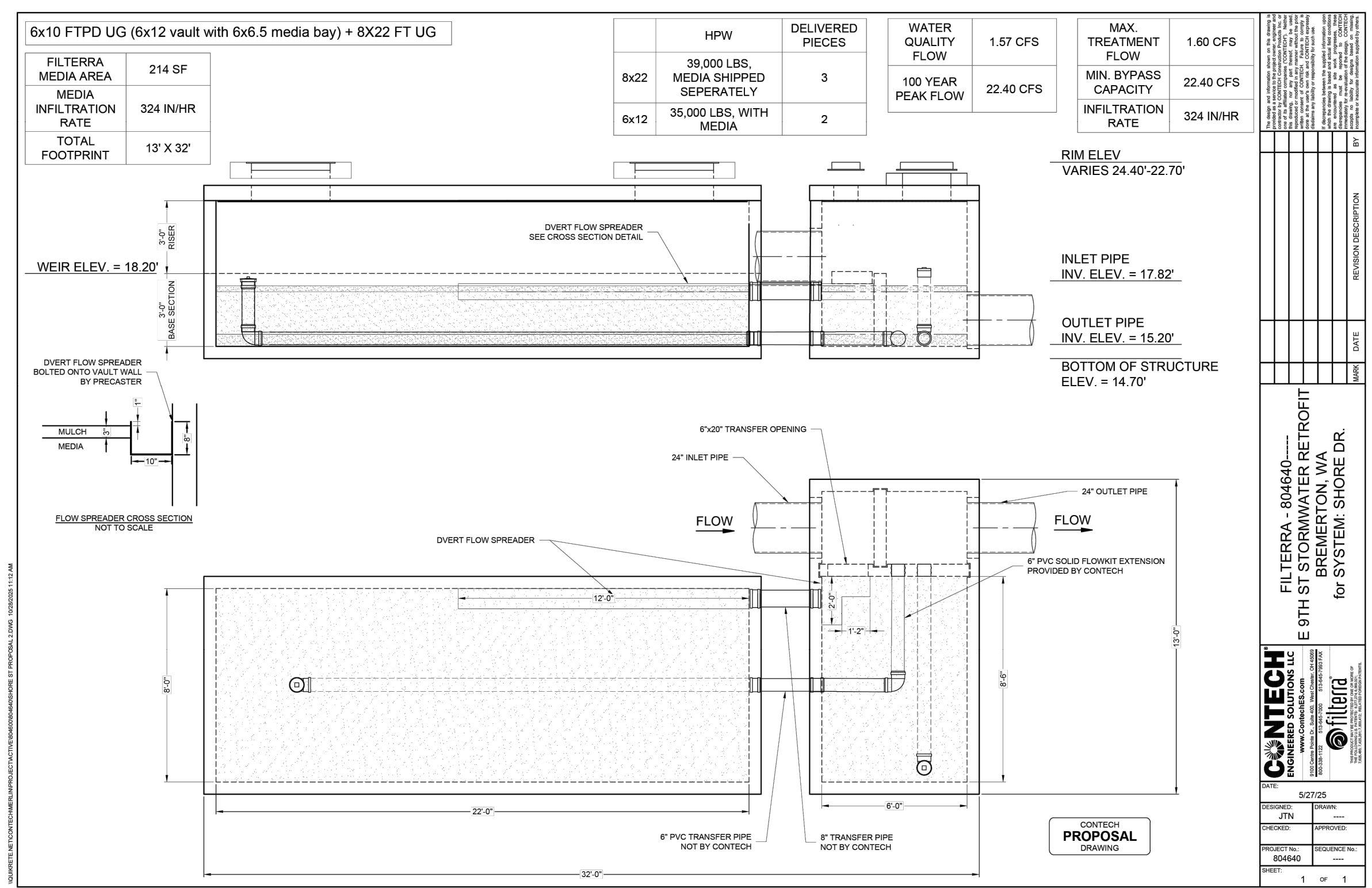
90% REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION



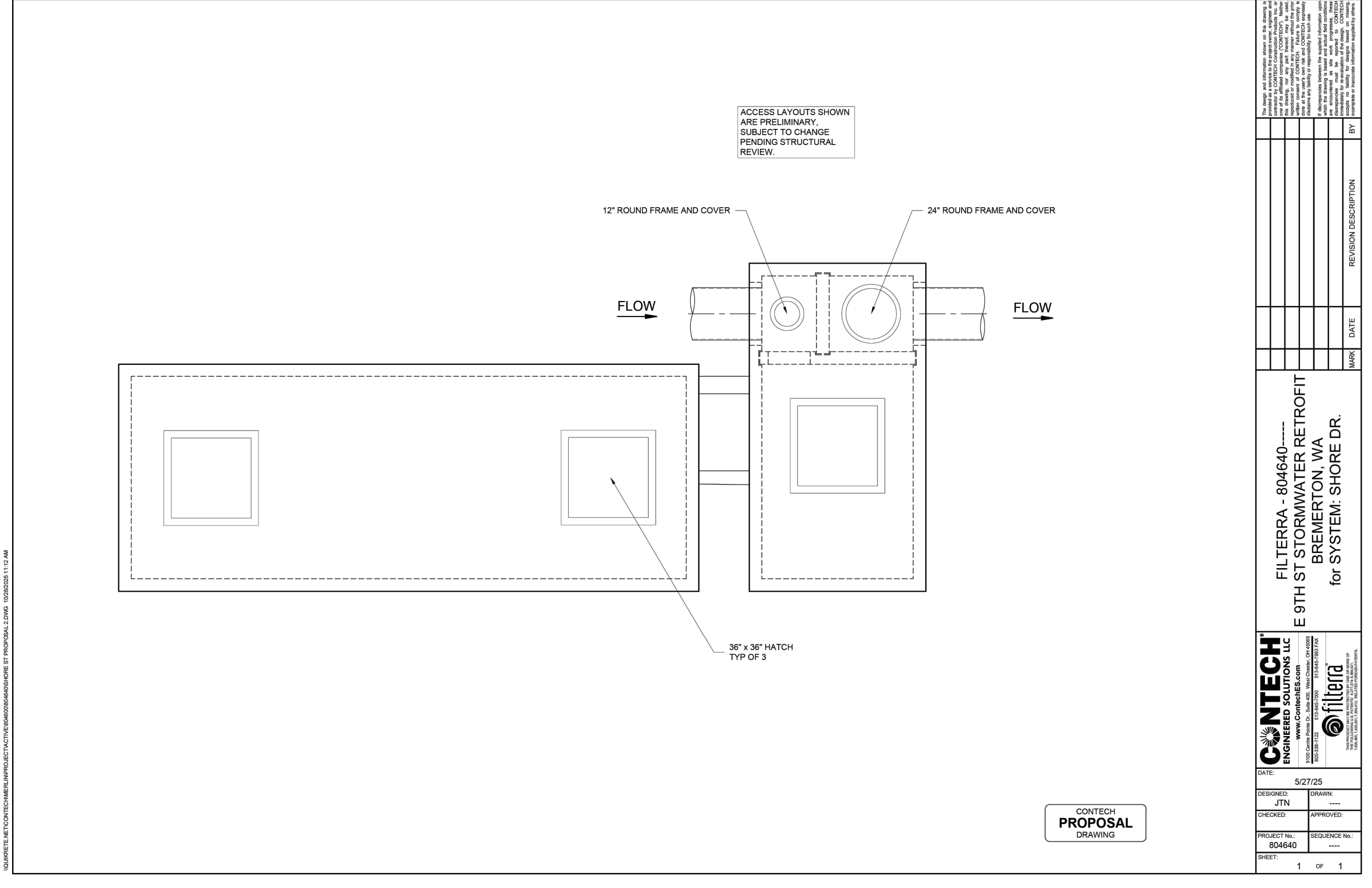
**CDS 1
DETAIL**
DR01



**CDS 2
DETAIL**
DR04



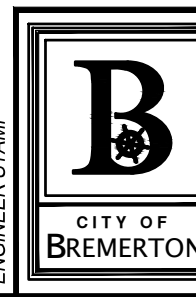
**FILTRERRA VAULT 1 (SHORE DRIVE)
DETAIL**
DR03



**FILTRERRA VAULT 1 (SHORE DRIVE)
DETAIL**
DR04



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Parametrix

NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. ODEGARD
WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: C. ODEGARD
DATE: 10/29/2025

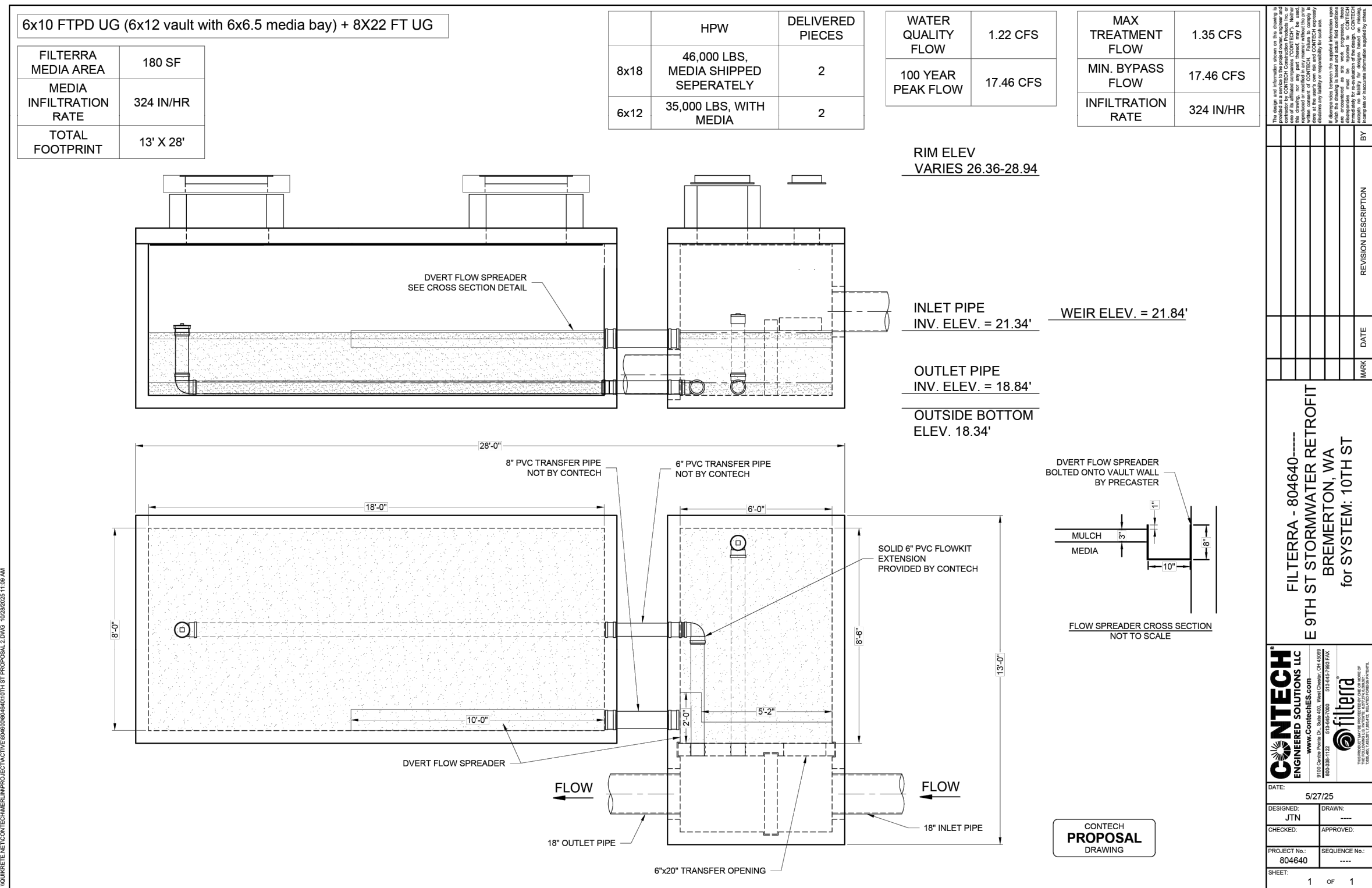
CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

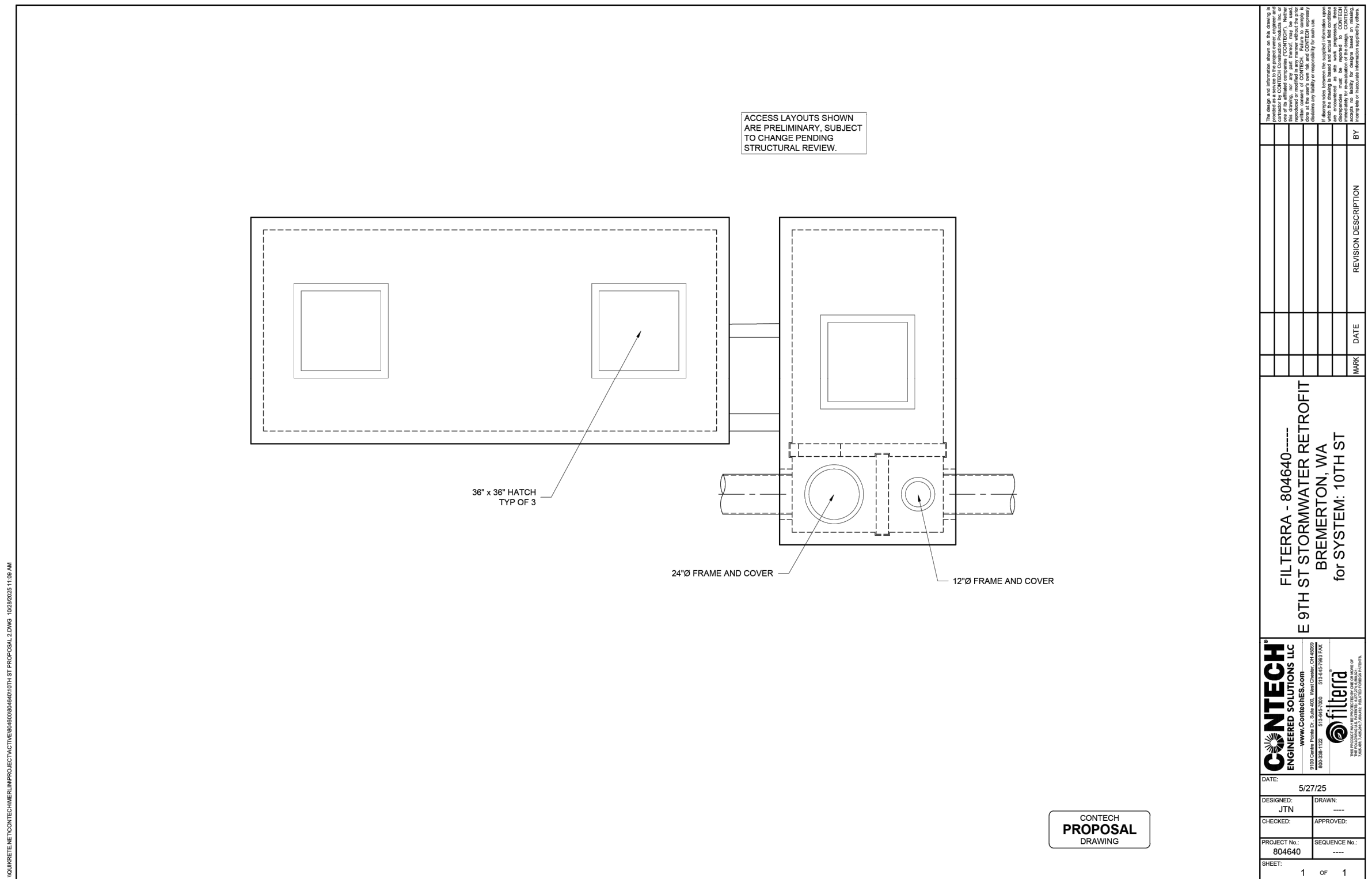
GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
STORMWATER DETAILS

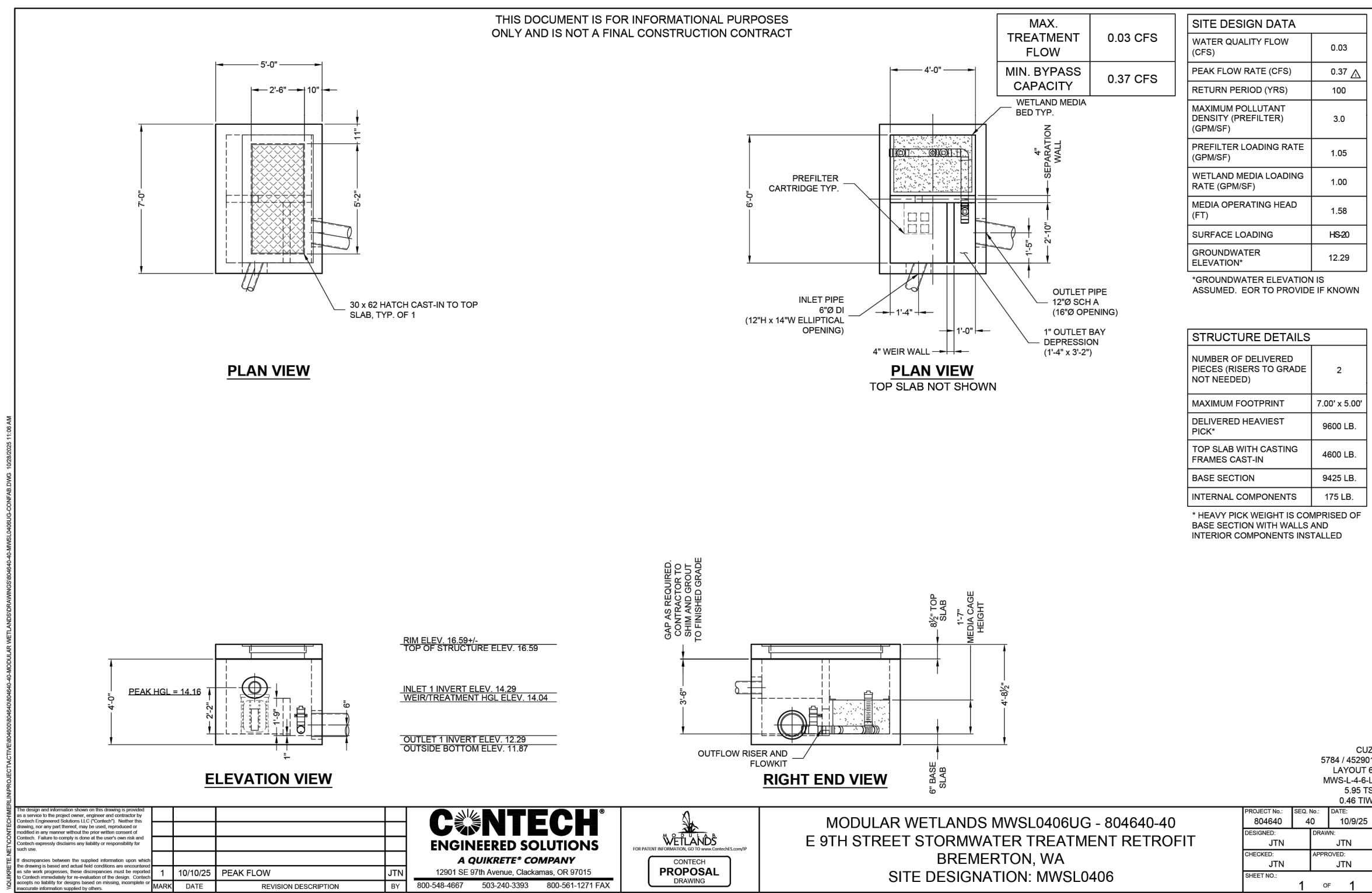
SHEET
20 OF 65
PN: 234-1896-196
PLATE
SD02



FILTERRA VAULT 2 (E 10TH STREET)
DETAIL 1
DR04



FILTERRA VAULT 2 (E 10TH STREET)
DETAIL 2
DR04

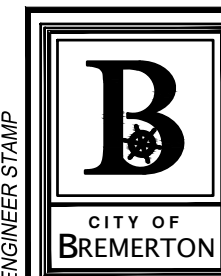


MWS VAULT (E 9TH ST MINI PARK)
DETAIL 3
DR03



Know what's below.
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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. ODEGARD
WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: C. ODEGARD
DATE: 10/29/2025

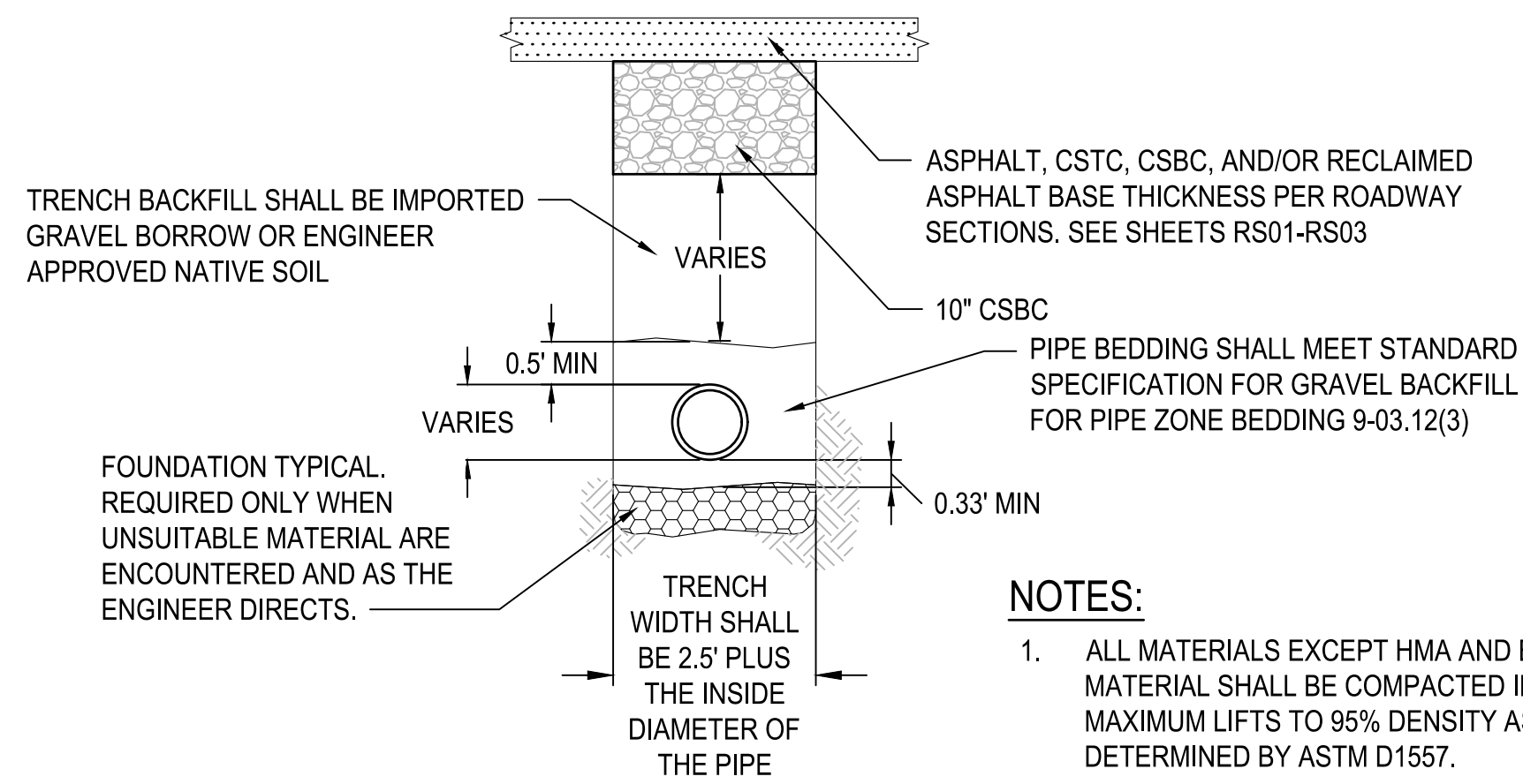
CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE: S13, T24N, R1E, W.M.
GRANT/LOAN INFORMATION ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
STORMWATER DETAILS

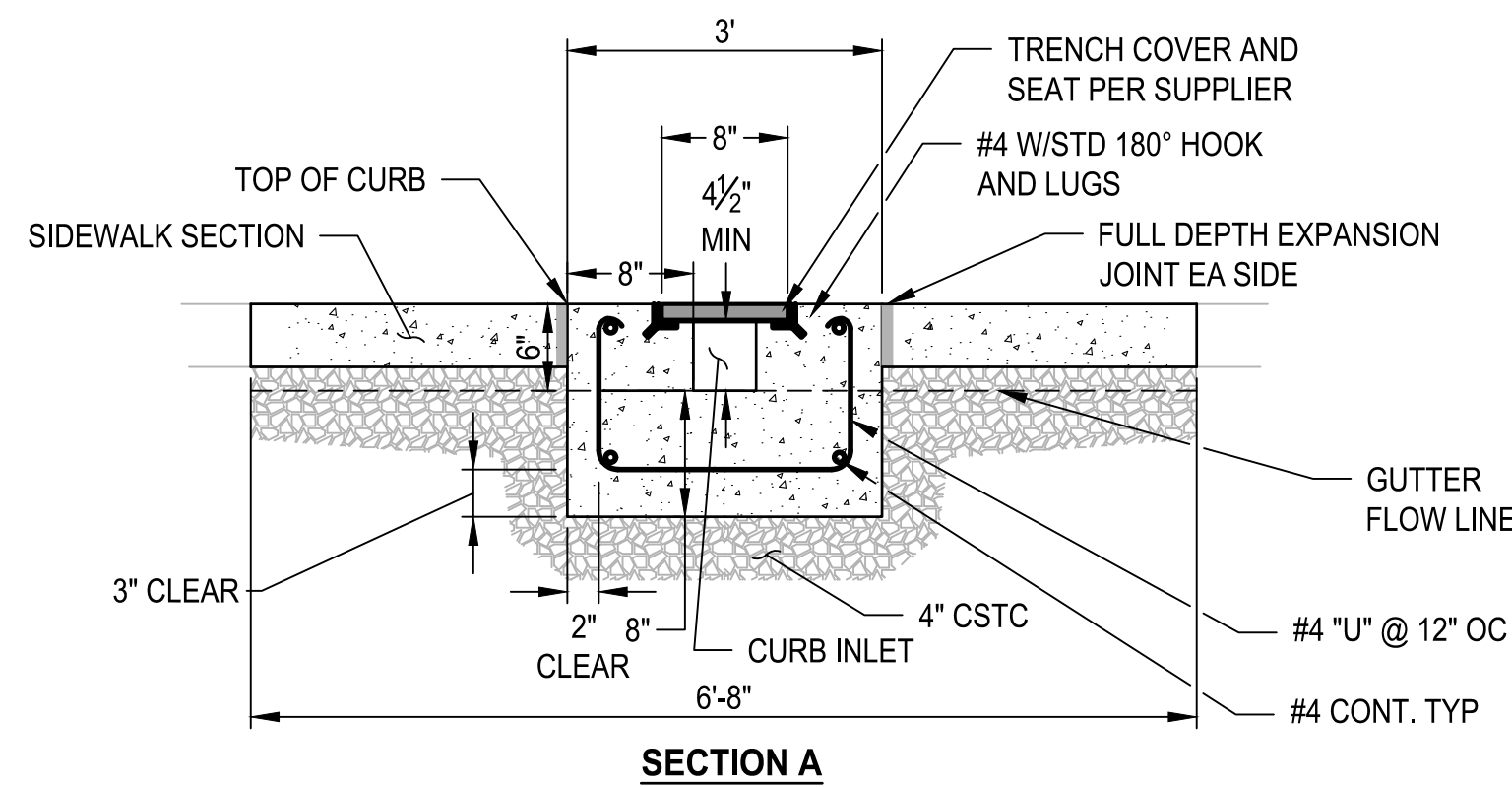
SHEET 21 OF 65
PN: 234-1896-196
PLATE SD03

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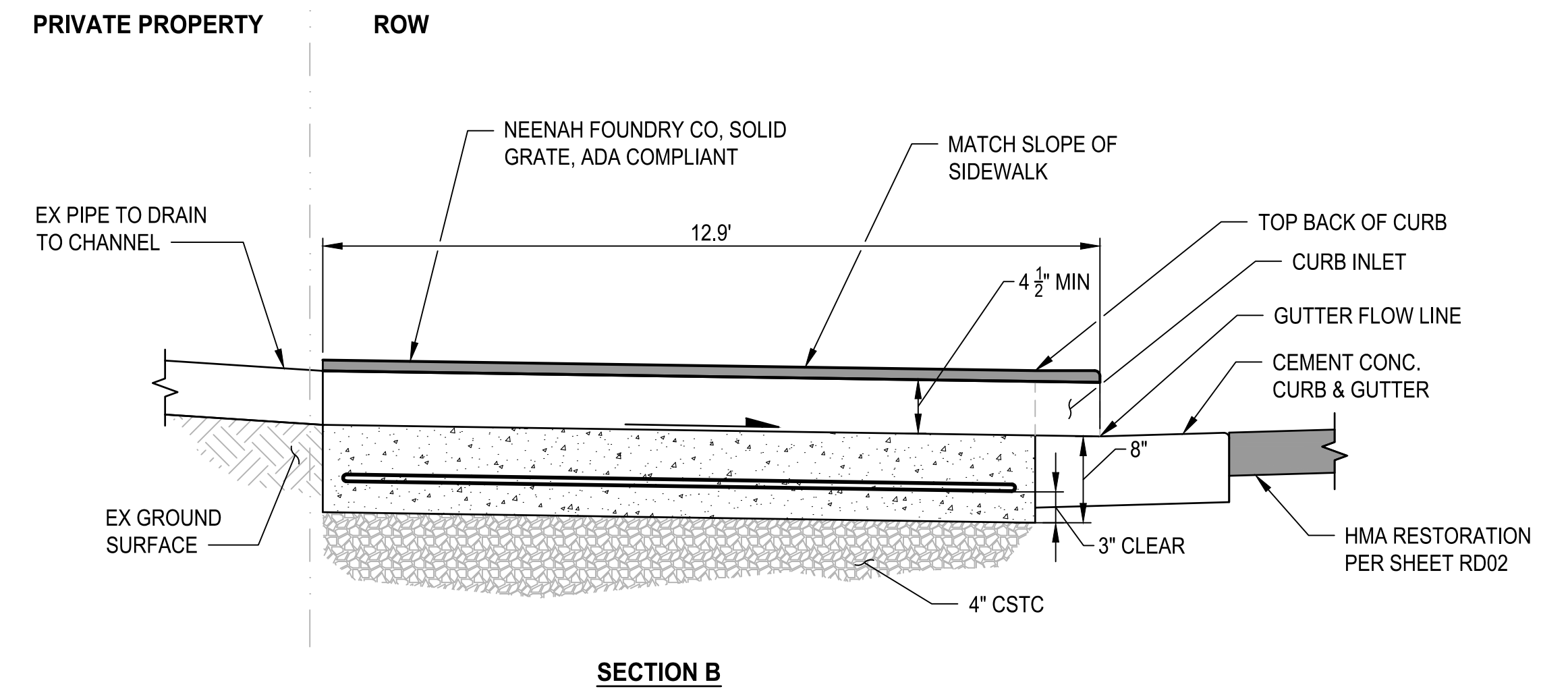


- NOTES:**
1. ALL MATERIALS EXCEPT HMA AND BEDDING MATERIAL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO 95% DENSITY AS DETERMINED BY ASTM D1557.

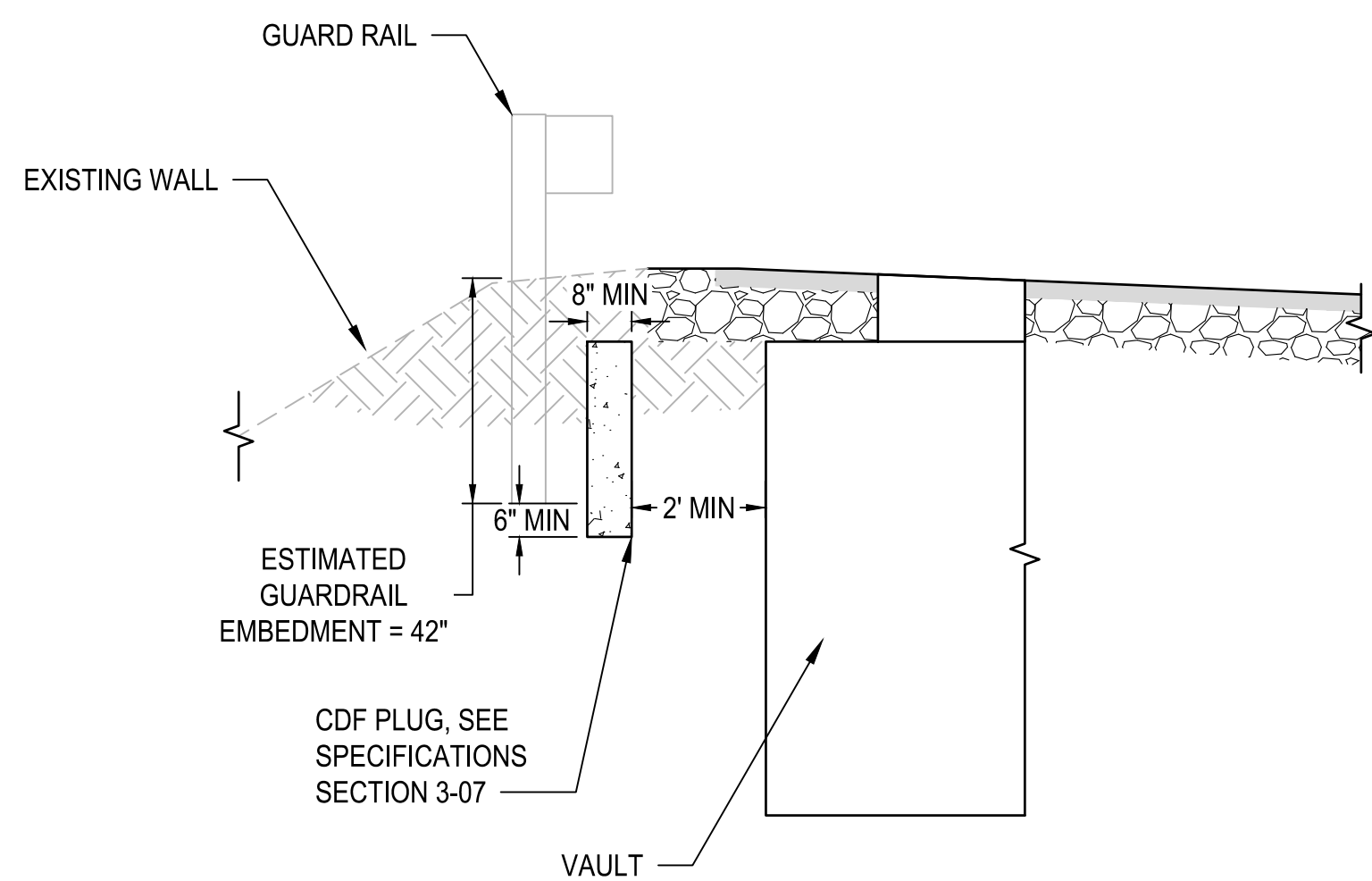
TRENCH RESTORATION DETAIL
1
DR01



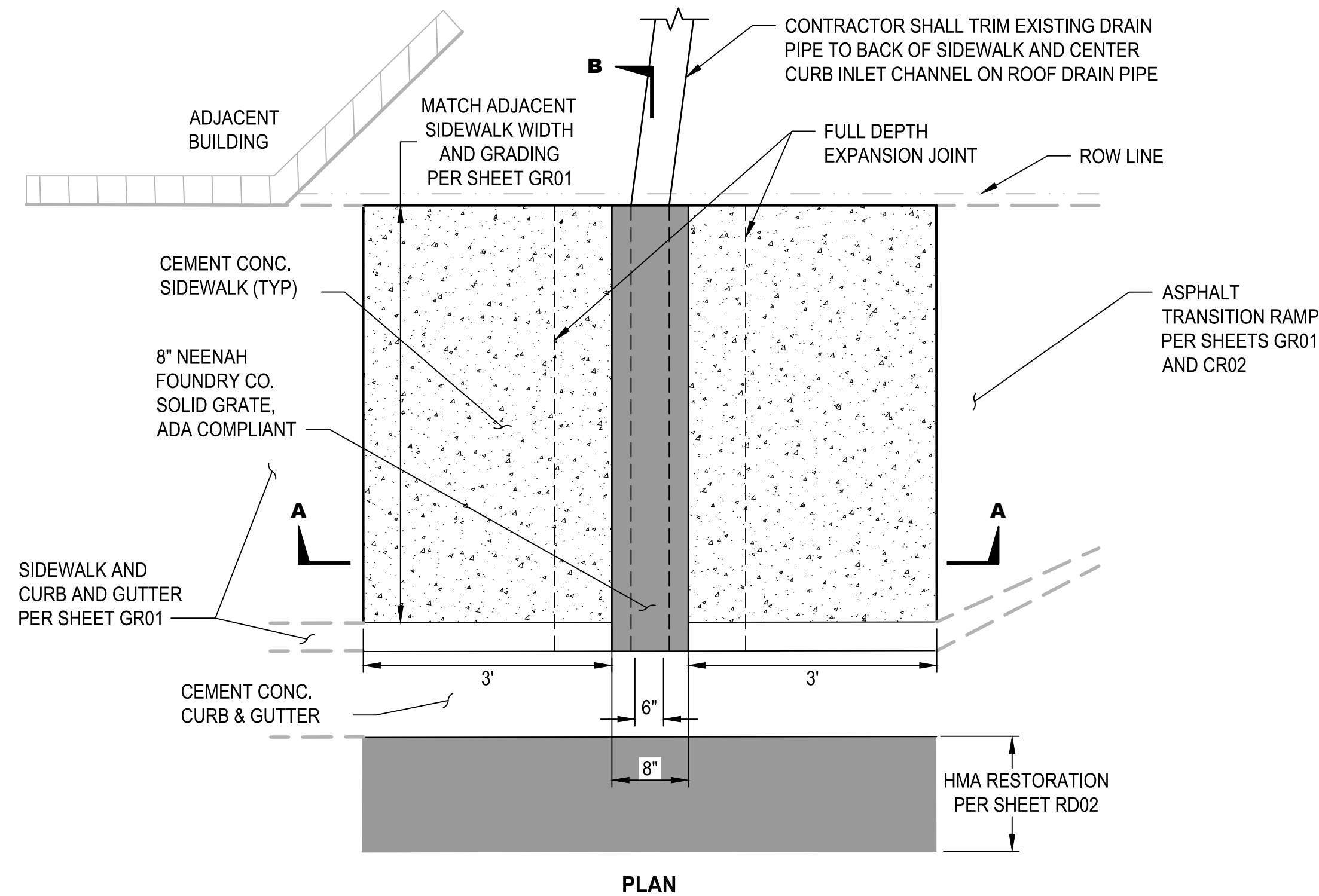
SECTION A



SECTION B



GUARD RAIL BLOCKING DETAIL
2
NO SCALE
DR01



PLAN

CURB DRAIN DETAIL
3
NO SCALE
RD02, GR01



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. ODEGARD
WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: C. ODEGARD
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

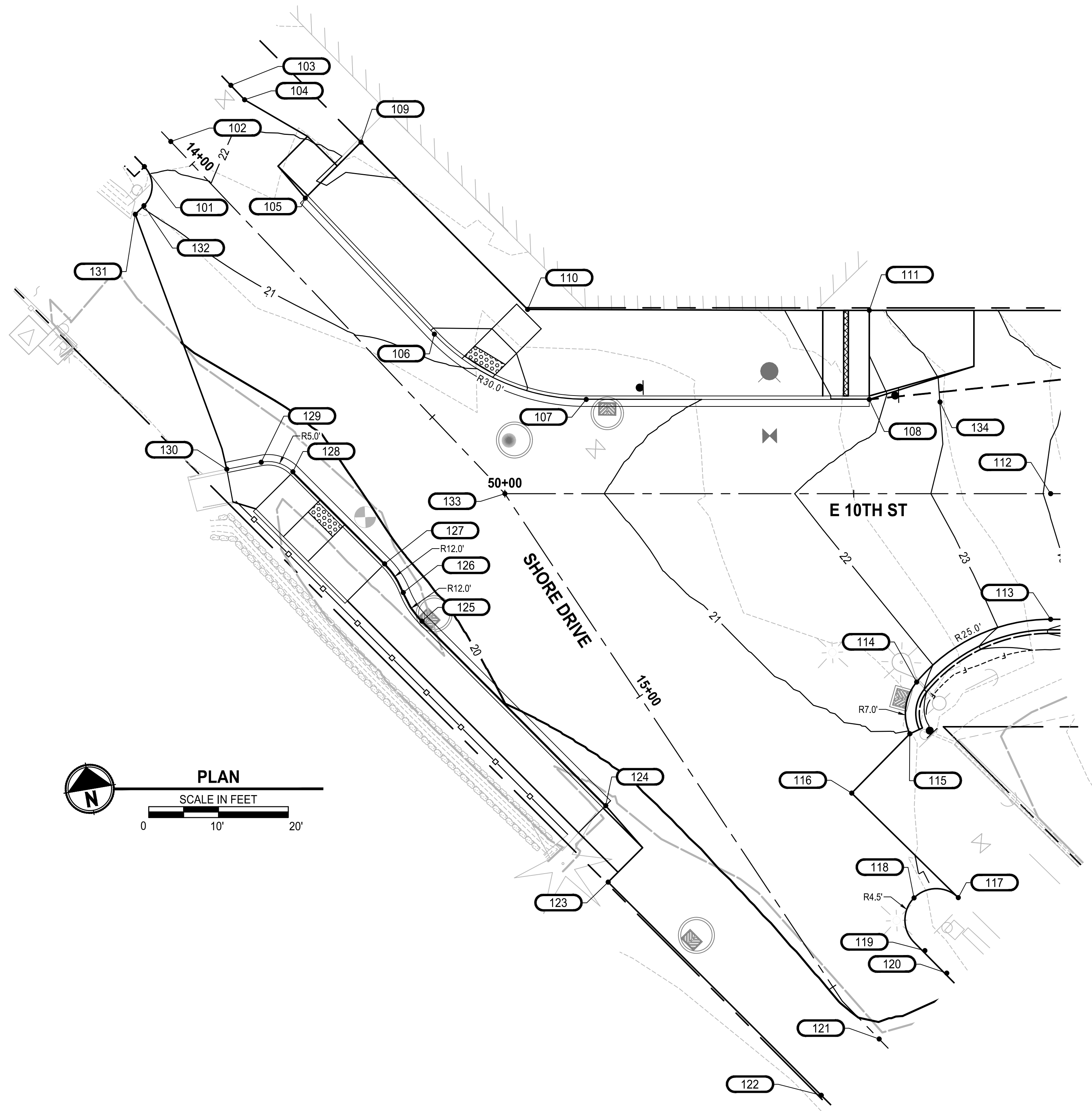
GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
STORMWATER DETAILS

SHEET
22 OF 65
PN: 234-1896-196
PLATE
SD04

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

FILE: P:\950\Projects\Clients\1896-CityOfBremerton\234-1896-196 E9thStStormwaterImprov\995xcs\CADD\DWG LAYOUT: SD04 PLOTTED BY: Akadobas DATE: Wednesday, October 29, 2025 6:09:58 PM



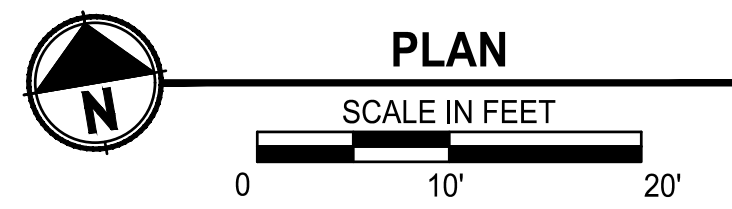
SHORE DRIVE INTERSECTION GRADING POINTS				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
102	13+95.56	0.00' CT	22.40	CL
103	13+95.65	11.78' LT	22.44	EOP
104	13+98.50	11.79' LT	22.31	EOP,AP
105	14+14.72	8.40' LT	21.41	FL
106	14+41.59	8.40' LT	21.05	FL,PC
107	14+63.35	17.75' LT	20.73	FL,PT
108	14+82.81	50.96' LT	21.65	FL
109	14+14.38	19.71' LT	22.00	SAWCUT,BOW
110	14+48.21	20.54' LT	21.61	SAWCUT,BOW
111	14+72.19	58.03' LT	22.33	BOW
112	15+08.44	65.13' LT	24.07	CL
113	15+23.43	55.16' LT	23.71	FL,PC
114	15+20.28	34.19' LT	21.69	FL,PCC
115	15+25.91	29.27' LT	20.96	FL,EOP,AP,ME
116	15+28.37	17.63' LT	20.82	EOP,AP,ME
117	15+49.30	22.05' LT	21.27	EOP,PC,ME
118	15+45.82	16.75' LT	20.72	EOP,MID,ME
119	15+55.49	13.53' LT	20.19	EOP,PT
120	15+60.00	13.53' LT	20.08	EOP
121	15+60.00	0.00' CT	19.96	CL
122	15+60.00	11.57' RT	19.12	EOP,ME
123	15+19.65	18.50' RT	19.60	EOP,ME
124	15+10.33	12.72' RT	19.76	FL
125	14+73.74	20.01' RT	19.83	FL,PC
126	14+68.84	19.97' RT	19.86	FL,PRC
127	14+60.54	19.43' RT	19.89	FL,PT
128	14+41.92	19.89' RT	19.60	FL,PC
129	14+37.81	22.23' RT	19.50	FL,PT
130	14+35.14	26.50' RT	19.20	EOP,ME
131	13+99.62	10.88' RT	20.85	EOP,AP,ME
132	13+99.58	9.13' RT	21.05	EOP,PC,ME
133	14+65.11	0.00' CT	20.75	CL
134	14+88.73	59.20' LT	23.00	FL

GENERAL NOTES

- FOR CURB RAMP FLOWLINE ELEVATIONS, SEE CR SHEETS.
- RADIUS CALLOUTS ARE AT THE FACE OF CURB OR EDGE OF PAVEMENT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE GRADES MEET ALL ACCESSIBILITY REQUIREMENTS.
- CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES. UTILITIES SHOWN ON THE PLAN VIEW ARE APPROXIMATE LOCATIONS FROM THE BEST AVAILABLE INFORMATION AND MAY BE INCOMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTING ALL EXISTING UTILITIES. CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE WWW.CALLBEFOREYODIG.ORG.

ABBREVIATIONS:

- AP ANGLE POINT
- BOW BACK OF WALK
- CL CENTERLINE
- EOP EDGE OF PAVEMENT
- FL FLOWLINE
- GB GRADE BREAK
- ME MATCH EXISTING
- PC POINT OF CURVATURE
- PCC POINT OF COMPOUND CURVATURE
- PRC POINT OF REVERSE CURVATURE
- PT POINT OF TANGENCY
- SW SIDEWALK



Know what's below.
Call before you dig.
Determina lo que esta bajo tierra.
Llama antes de excavar.



NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
INTERSECTION GRADING

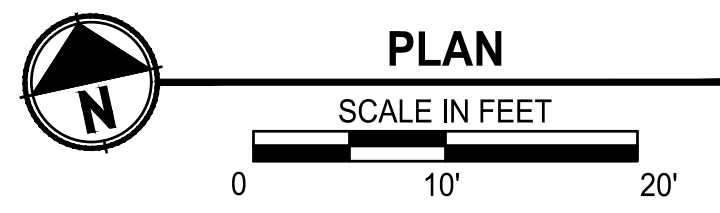
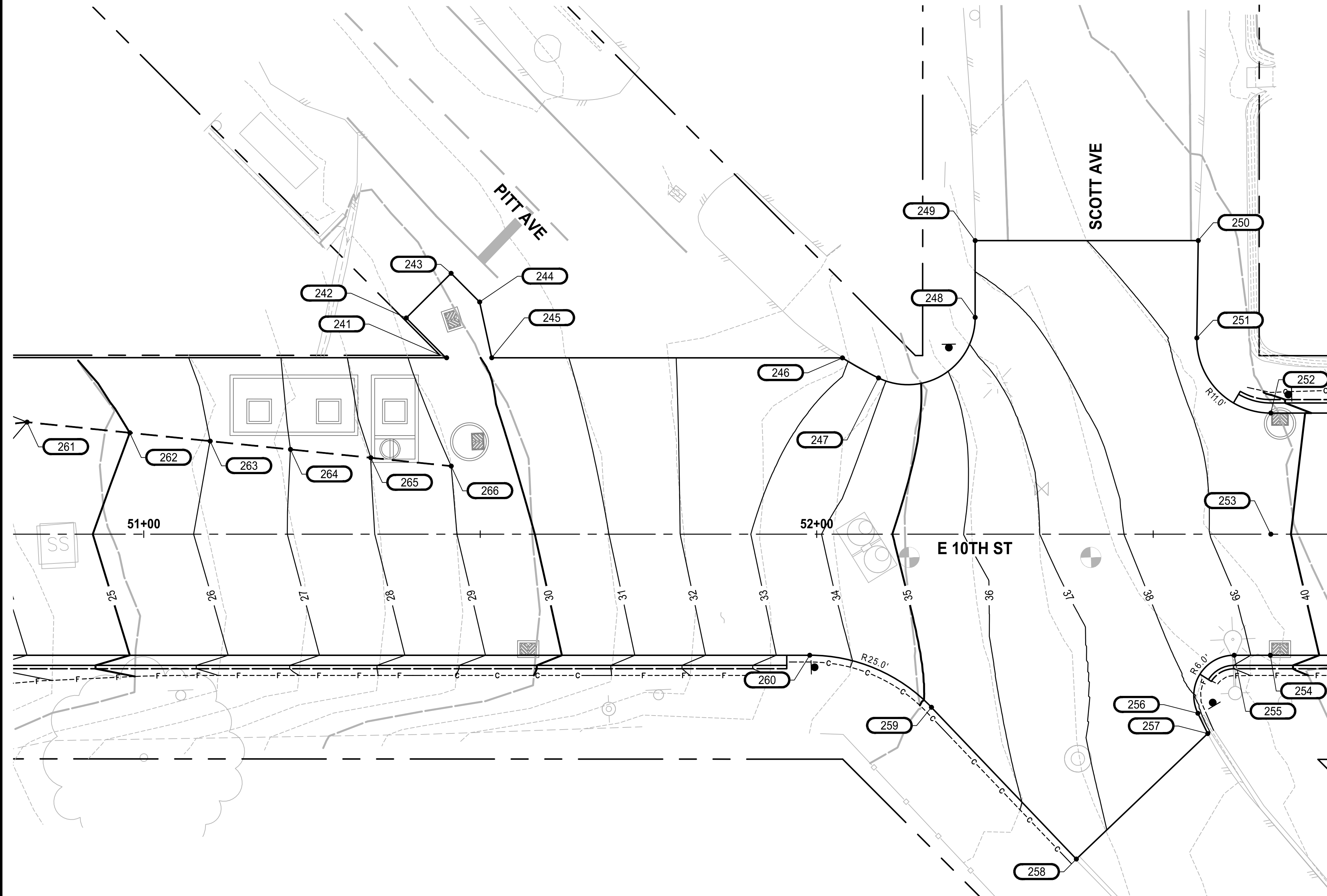
SHEET
23 OF 65

PN: 234-1896-196

PLATE
GR01

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

FILE: P:\1896\1896-GR01 LAYOUT: GR1 PATH: U:\P\SD\Projects\Clients\1896-CityOfBremerton\234-1896-196-E9thStStormwaterImprov\995\ca\CADD\DWG PLOTTED BY: Akadus DATE: Wednesday, October 29, 2025 3:23:06 PM



E10TH STREET GRADING POINTS				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
241	51+45.00	26.22' LT	29.57	EOP,ME
242	51+39.01	32.13' LT	29.19	EOP,AP,ME
243	51+45.67	38.77' LT	30.27	EOP,AP,ME
244	51+49.91	34.51' LT	30.35	EOP,AP,ME
245	51+51.71	26.22' LT	30.13	EOP,ME
246	52+03.82	26.20' LT	32.85	EOP,PC,ME
247	52+09.17	23.22' LT	33.79	EOP,PCC,ME
248	52+23.54	32.22' LT	37.43	EOP,PT,ME
249	52+23.54	43.63' LT	38.39	EOP,AP,ME
250	52+56.69	43.63' LT	39.62	EOP,AP,ME
251	52+56.47	29.16' LT	39.19	EOP,PC,ME
252	52+67.47	18.00' LT	39.49	FL,PT,CB
253	52+67.47	0.00' CT	39.76	CL
254	52+67.41	18.00' RT	39.38	FL,CB
255	52+62.03	18.00' RT	38.68	FL,PC
256	52+56.64	26.62' RT	37.78	EOP,PT
257	52+58.10	29.64' RT	37.82	EOP,AP,ME
258	52+38.58	48.29' RT	36.50	EOP,AP,ME
259	52+17.04	25.73' RT	35.13	EOP,PC
260	51+98.96	18.00' RT	33.47	EOP,PT
261	50+82.66	16.65' LT	24.00	FL
262	50+97.93	15.07' LT	25.00	FL
263	51+09.87	13.83' LT	26.00	FL
264	51+21.80	12.59' LT	27.00	FL
265	51+33.74	11.35' LT	28.00	FL
266	0+00.00	0.00'	29.00	FL

GENERAL NOTES

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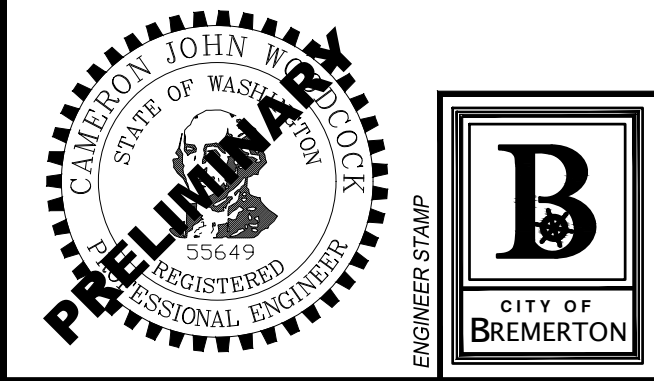
LEGEND:

--- GRADE BREAK

ABBREVIATIONS:

- AP ANGLE POINT
- BOW BACK OF WALK
- CB CATCH BASIN
- CL CENTERLINE
- EOP EDGE OF PAVEMENT
- FL FLOWLINE
- GB GRADE BREAK
- LP LOW POINT
- ME MATCH EXISTING
- PC POINT OF CURVATURE
- PCC POINT OF COMPOUND CURVATURE
- PRC POINT OF REVERSE CURVATURE
- PT POINT OF TANGENCY
- SW SIDEWALK

811
 Know what's below.
 Call before you dig.
 Determina lo que esta bajo tierra.
 Llama antes de excavar.



NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
 WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
 DATE: 10/29/2025

CHECKED BY: B. TUMBLING
 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
INTERSECTION GRADING

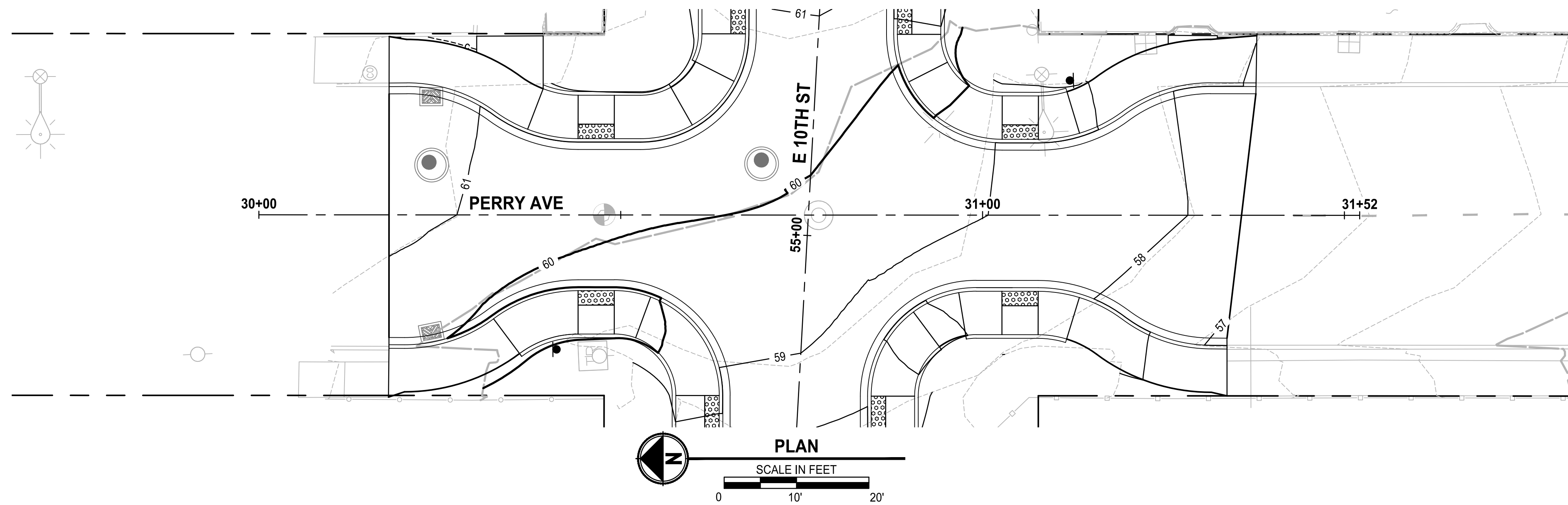
SHEET
24 OF 65

PN: 234-1896-196

PLATE
GR02

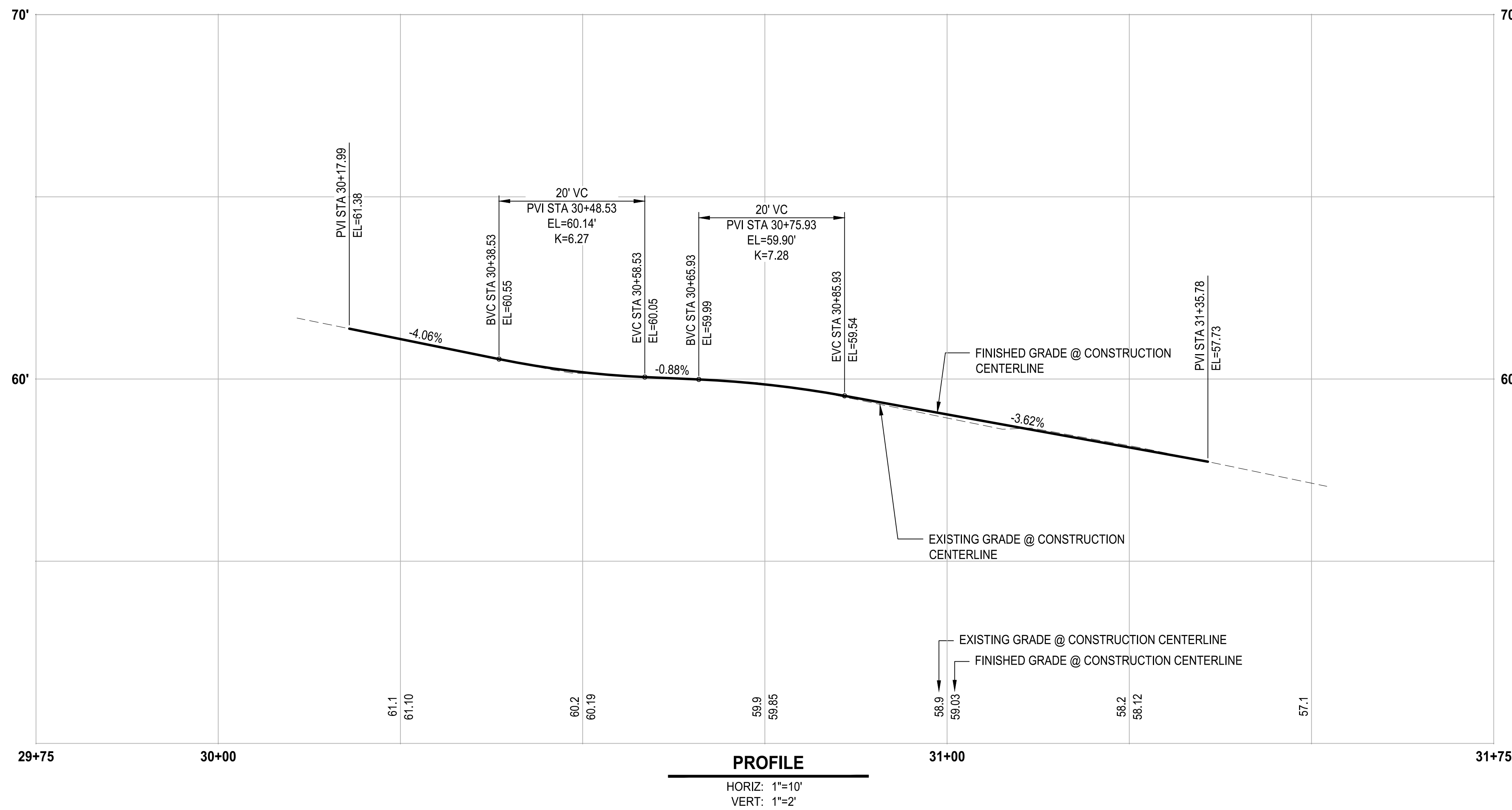
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90% REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION

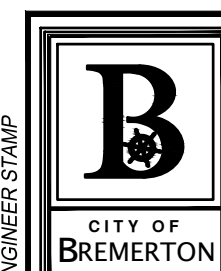


GENERAL NOTES

1. FOR CURB RAMP FLOWLINE ELEVATIONS, SEE CR SHEETS.
2. RADIUS CALLOUTS ARE AT THE FACE OF CURB OR EDGE OF PAVEMENT.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE GRADES MEET ALL ACCESSIBILITY REQUIREMENTS.
4. CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES. UTILITIES SHOWN ON THE PLAN VIEW ARE APPROXIMATE LOCATIONS FROM THE BEST AVAILABLE INFORMATION AND MAY BE INCOMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTING ALL EXISTING UTILITIES. CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE WWW.CALLBEFOREYODIG.ORG.



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Llama antes de excavar.



Parametrix

NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025
DRAWN BY: J. AKADA
DATE: 10/29/2025
CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.
GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
INTERSECTION GRADING

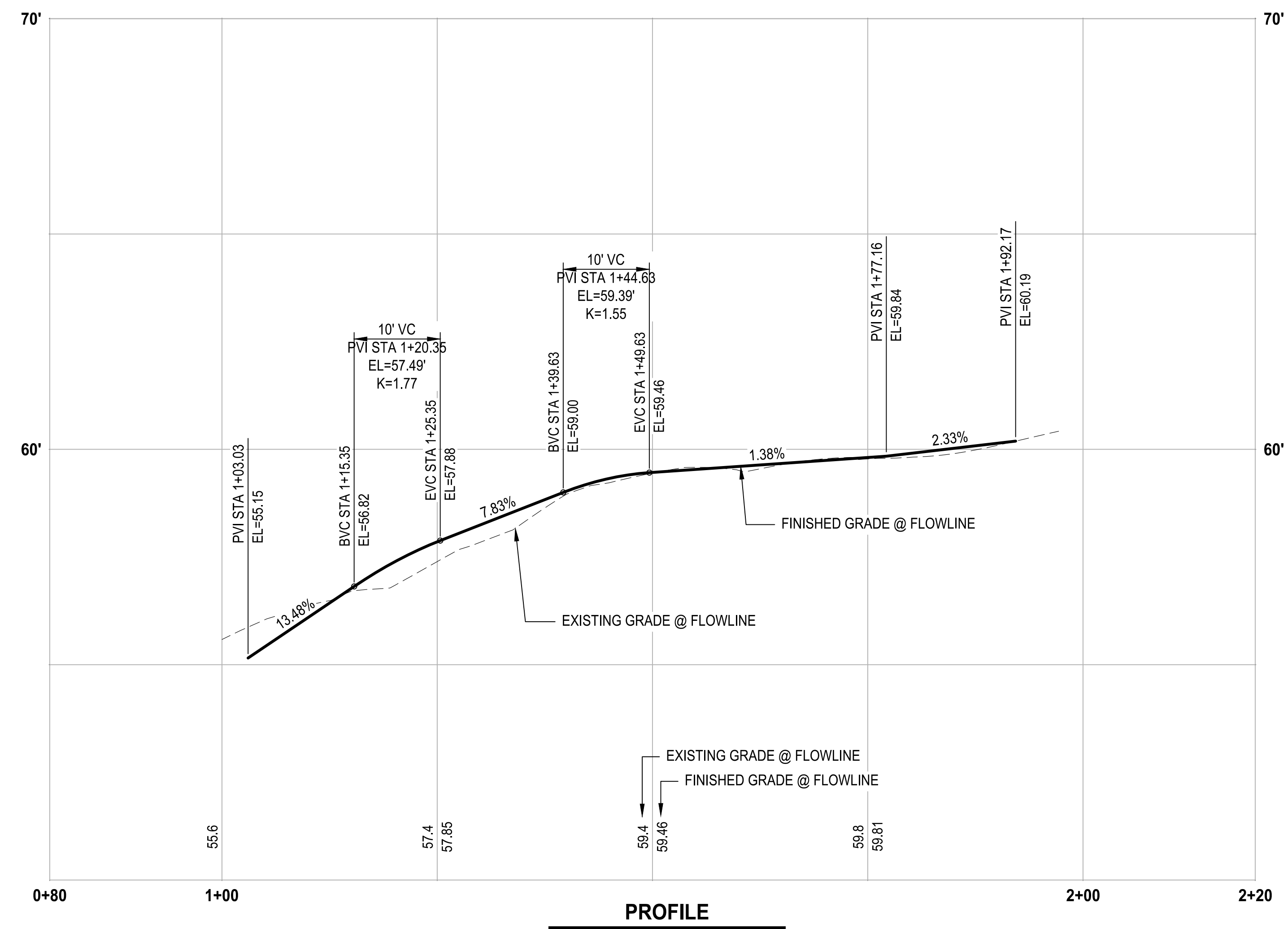
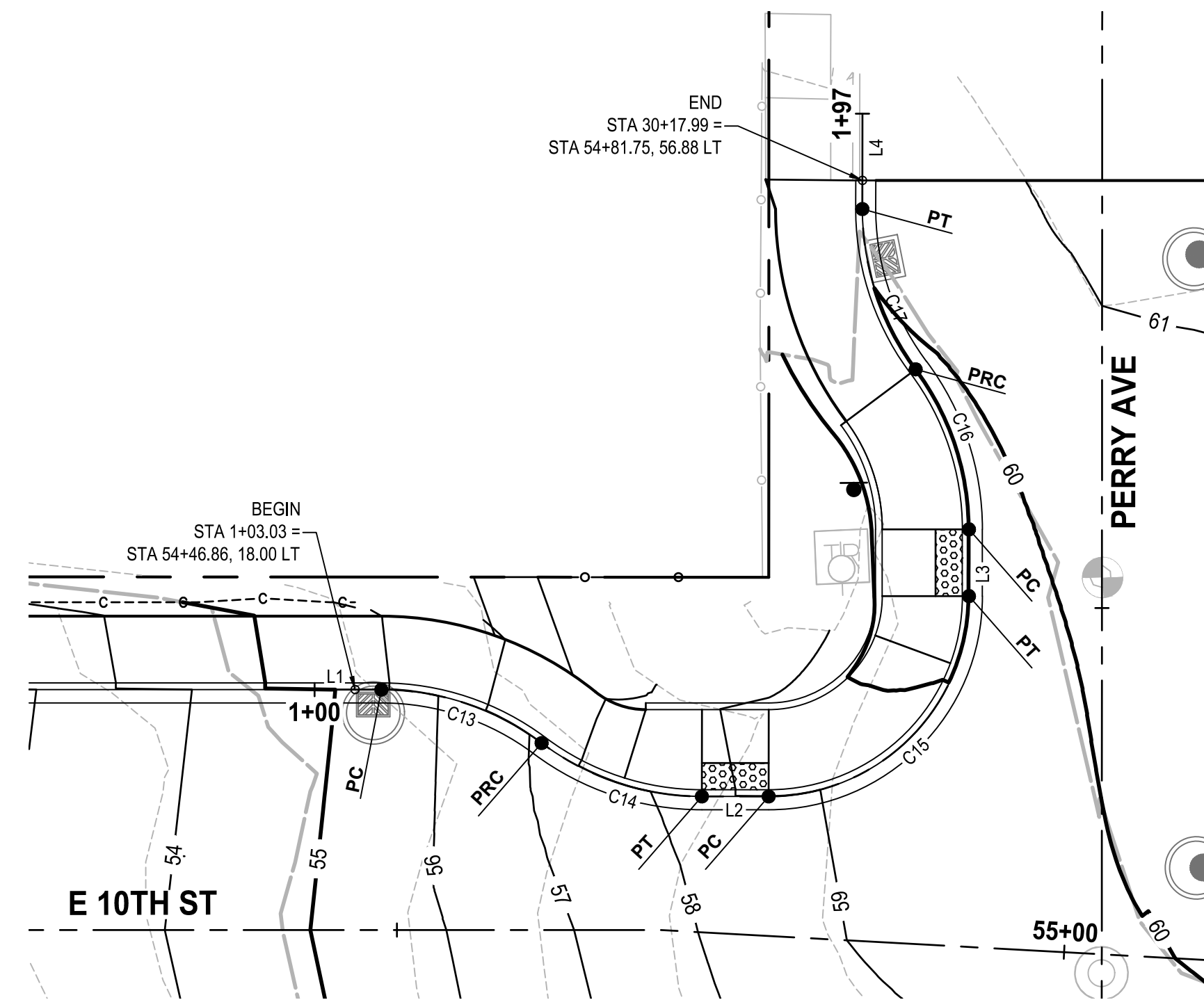
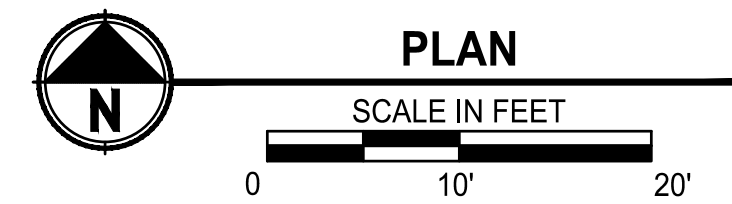
SHEET
25 OF 65
PN: 234-1896-196
PLATE
GR03

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

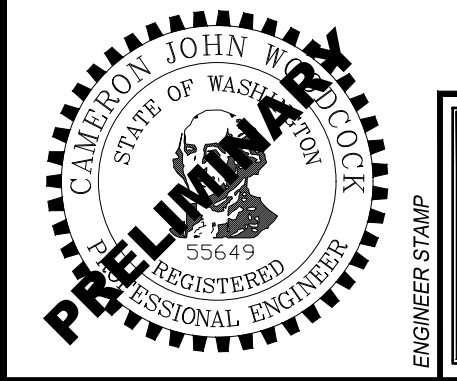
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PERRY AVE NW FL			
LINE#/CURVE#	LENGTH	BEARING/DELTA	RADIUS
L1	5.00	S87° 31' 04"E	
C13	12.87	36.87°	20.00
C14	12.87	36.87°	20.00
L2	5.00	S87° 31' 04"E	
C15	23.56	90.00°	15.00
L3	5.00	N02° 28' 58"E	
C16	12.85	36.82°	20.00
C17	12.87	36.87°	20.00
L4	7.15	N02° 31' 06"E	



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
INTERSECTION GRADING

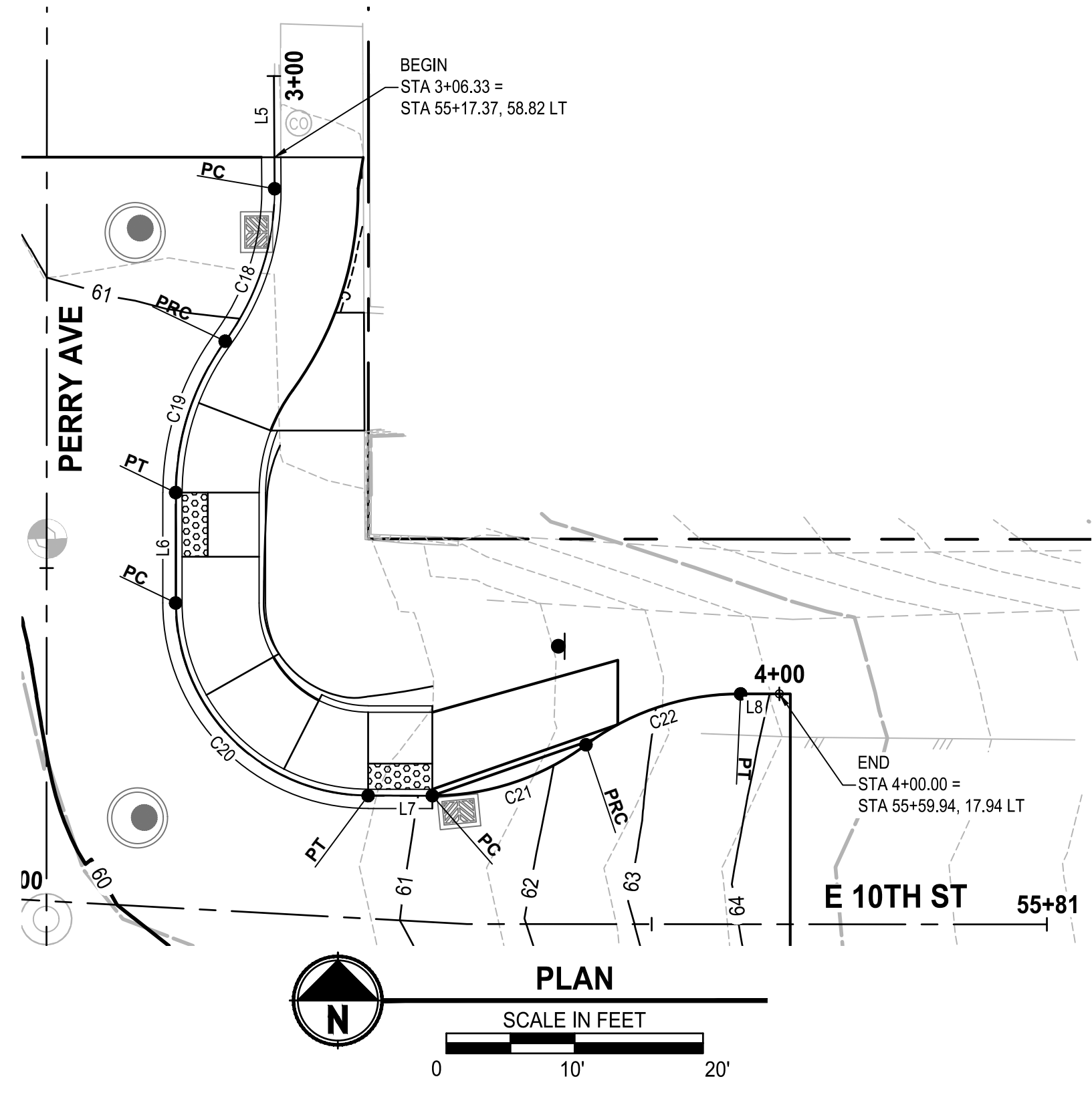
SHEET
26 OF 65

PN: 234-1896-196

PLATE
GR04

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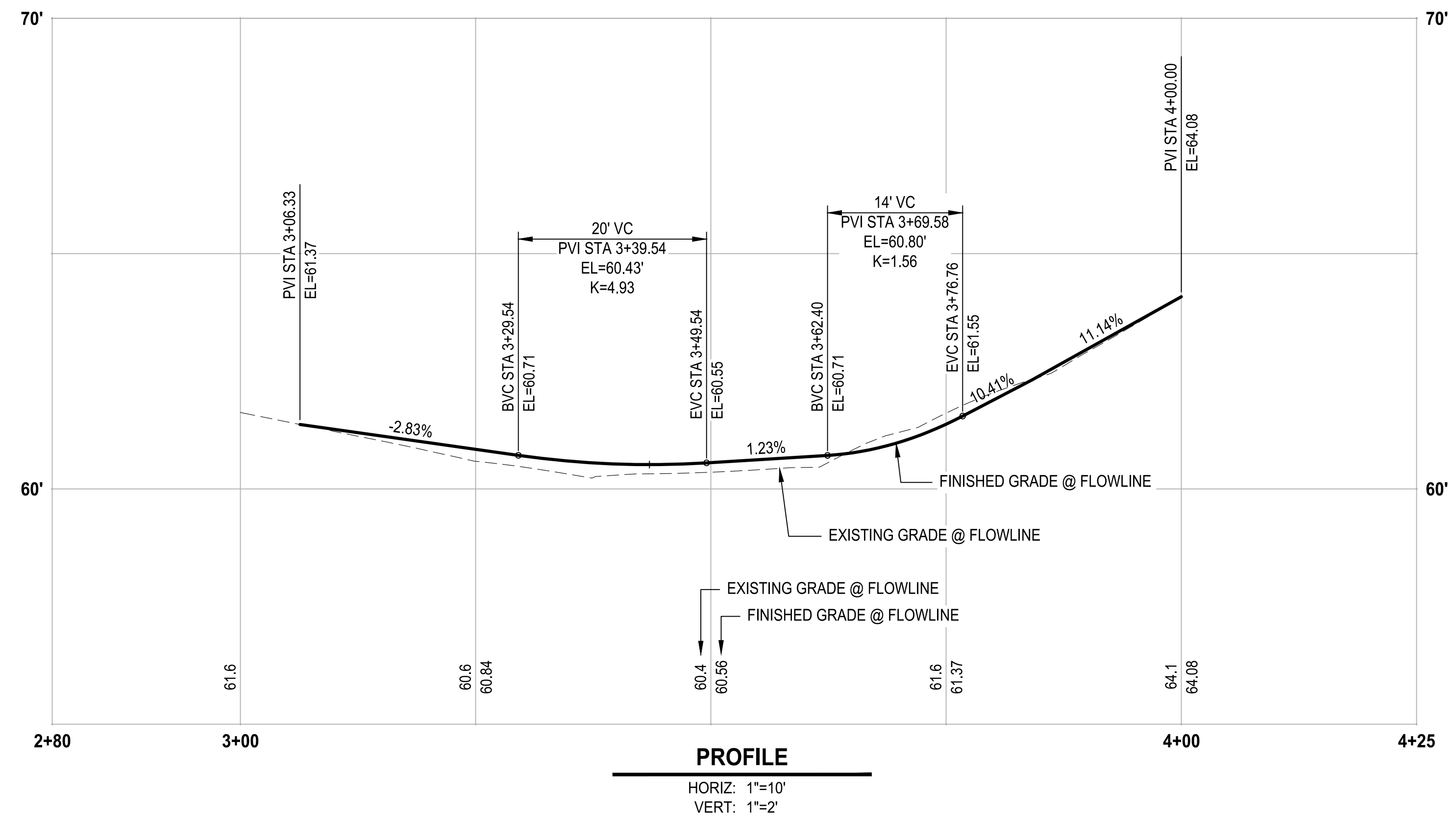
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PERRY AVE NE FL			
LINE# / CURVE#	LENGTH	BEARING / DELTA	RADIUS
C18	12.70	36.38°	20.00
L5	8.78	S02° 05' 05"W	
C19	12.61	36.13°	20.00
L6	8.61	S02° 31' 06"W	
C20	23.56	90.00°	15.00
L7	5.00	S87° 29' 05"E	
C21	12.82	36.73°	20.00
C22	12.90	36.96°	20.00
L8	3.02	S87° 31' 39"E	

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CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

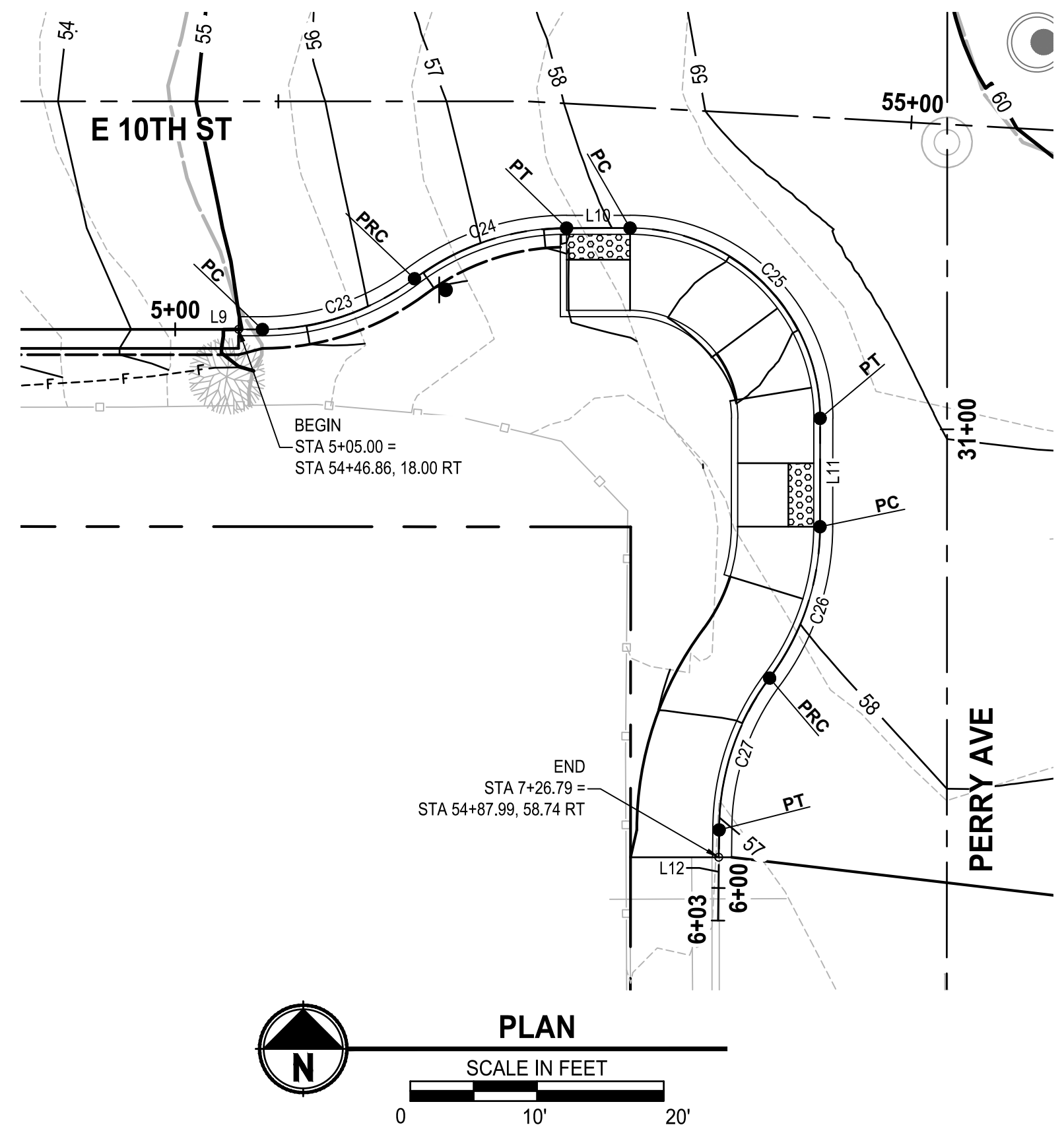
SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
INTERSECTION GRADING

SHEET
27 OF 65

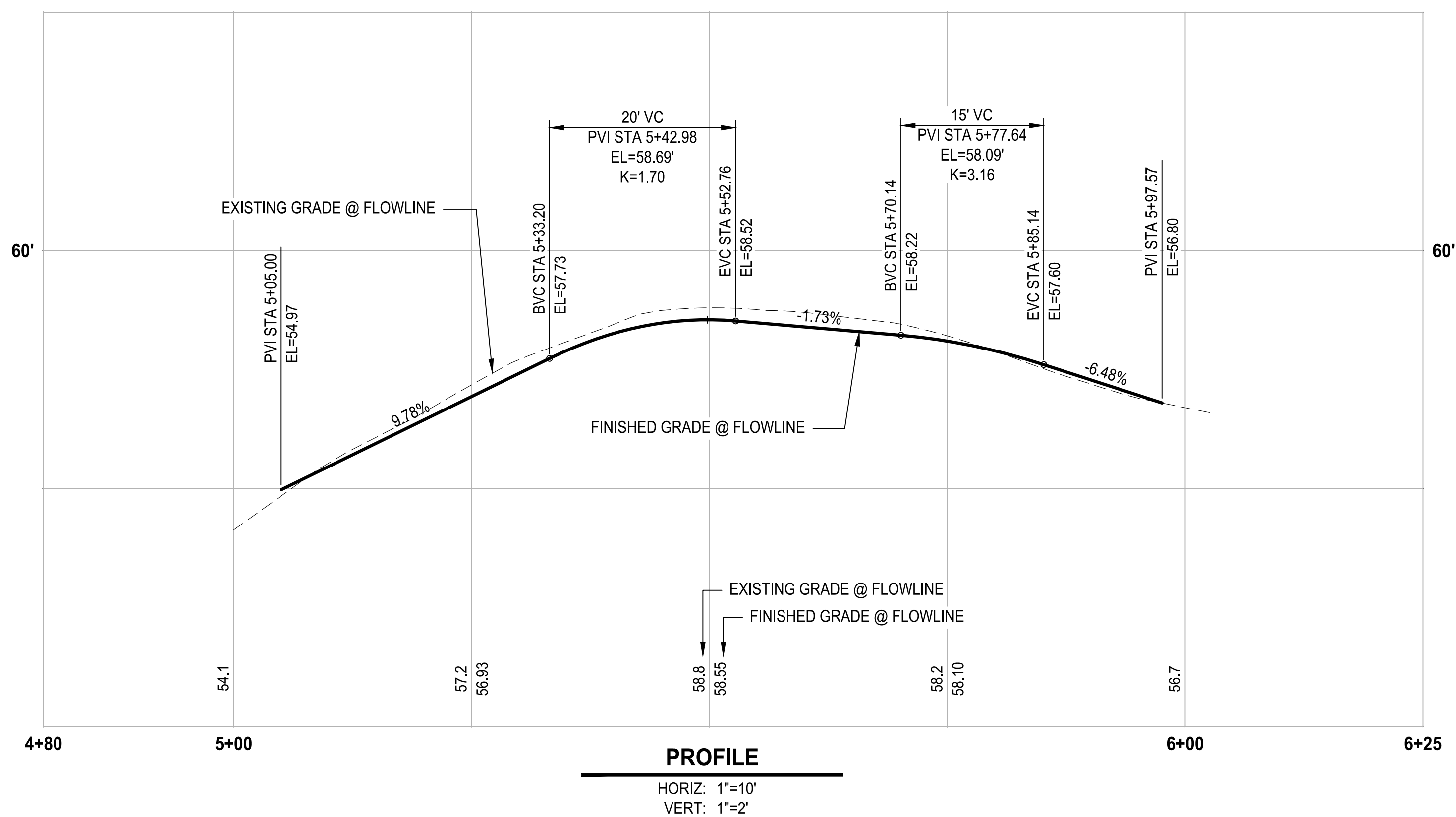
PN: 234-1896-196
PLATE
GR05



PERRY AVE SW FL			
LINE# / CURVE#	LENGTH	BEARING / DELTA	RADIUS
L9	6.88	S87° 31' 04"E	
C23	12.87	36.87°	20.00
C24	12.87	36.87°	20.00
L10	5.01	S87° 31' 04"E	
C25	23.58	90.07°	15.00
L11	8.55	S02° 33' 03"W	
C26	12.81	36.70°	20.00
C27	12.85	36.80°	20.00
L12	7.16	S03° 10' 09"W	

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 WA P.E.# 55649 DATE: 10/29/2025

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CHECKED BY: B. TUMBLING
 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

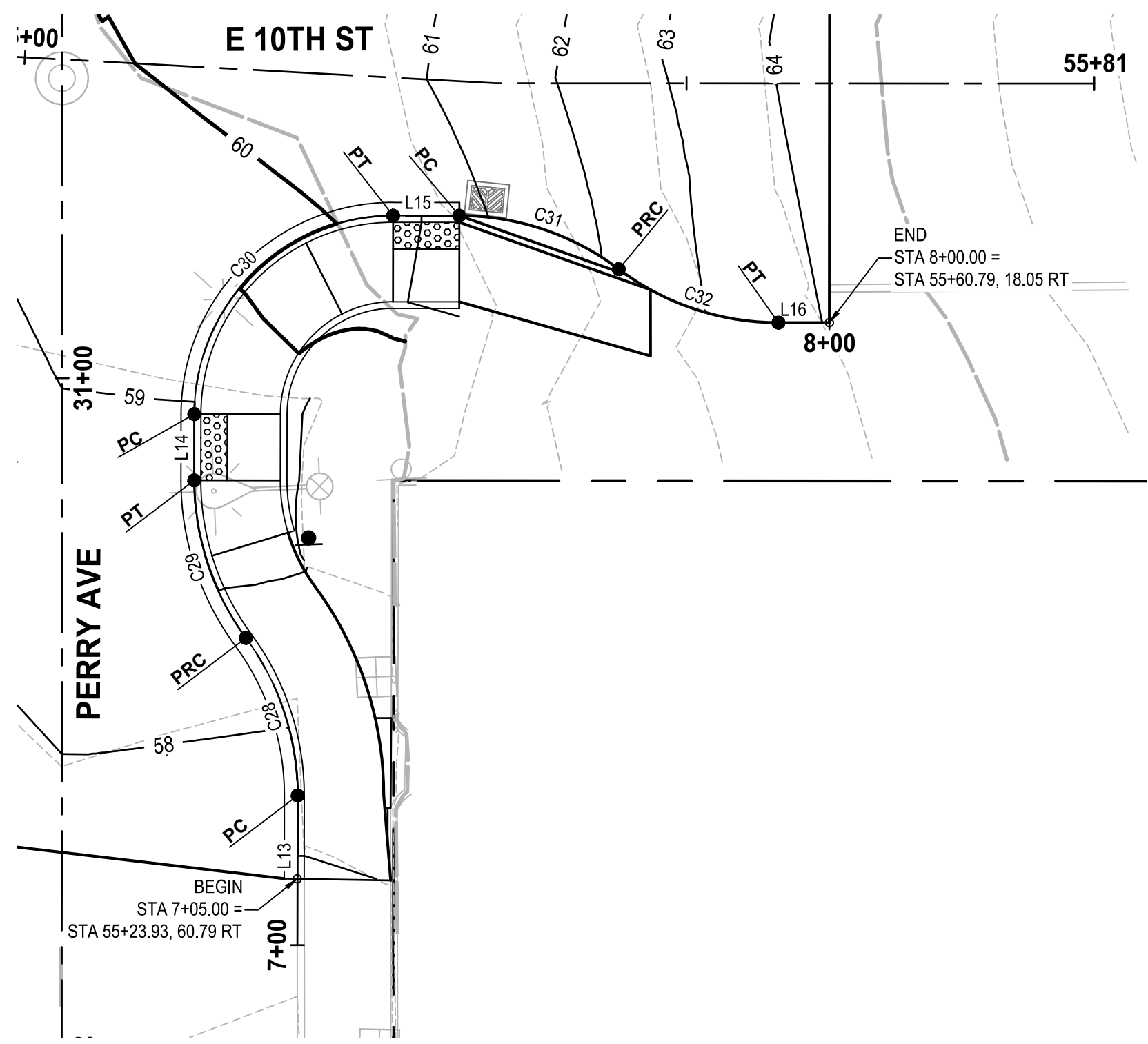
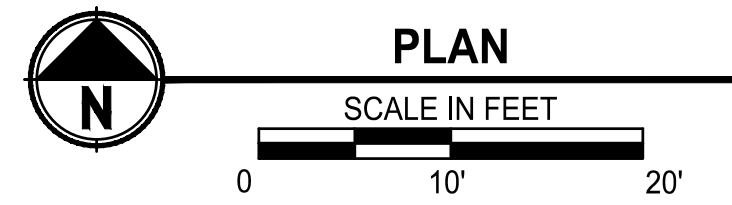
GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
INTERSECTION GRADING

SHEET
28 OF 65

PN: 234-1896-196
 PLATE
GR06

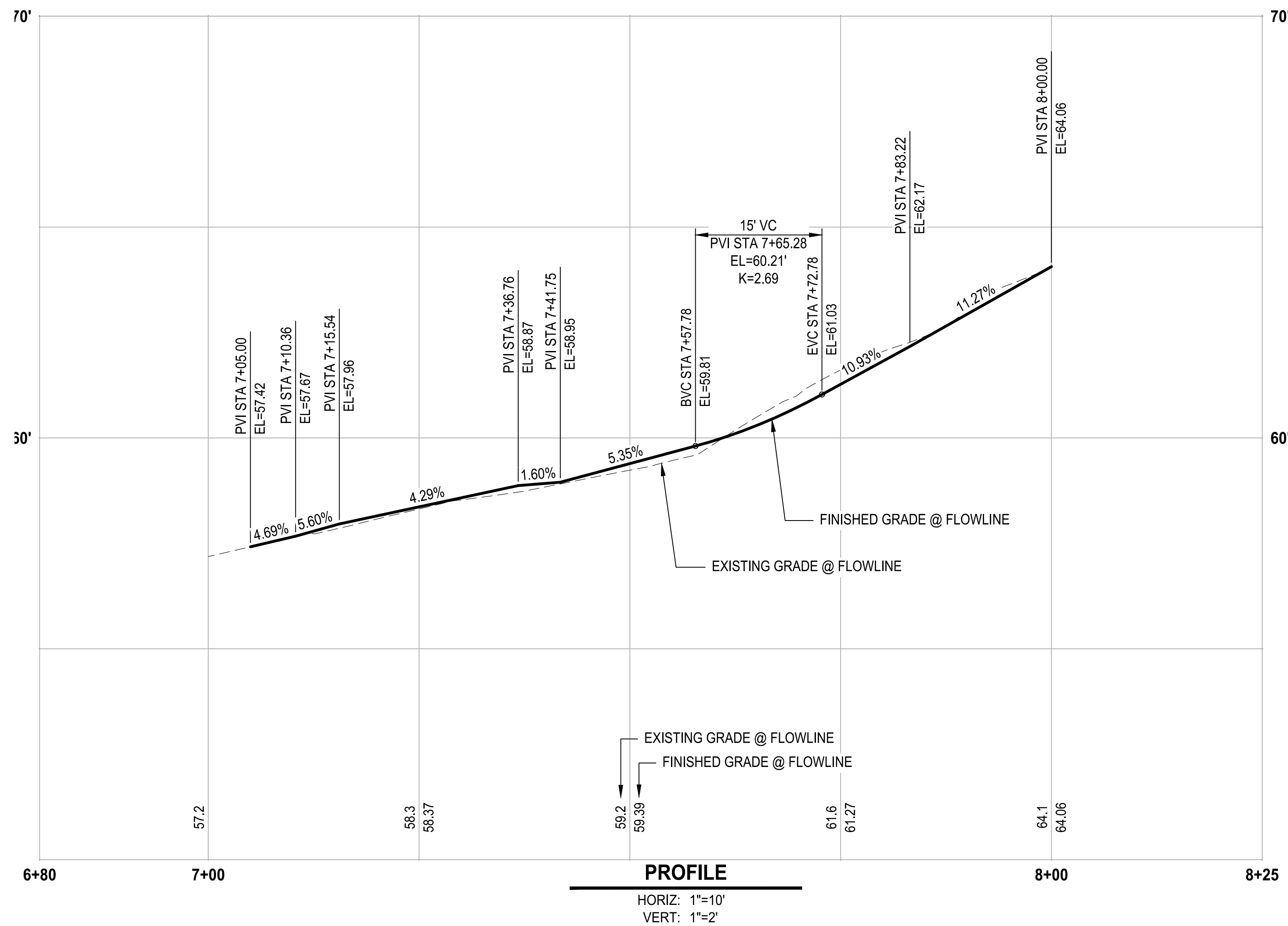
90% REVIEW SUBMITTAL
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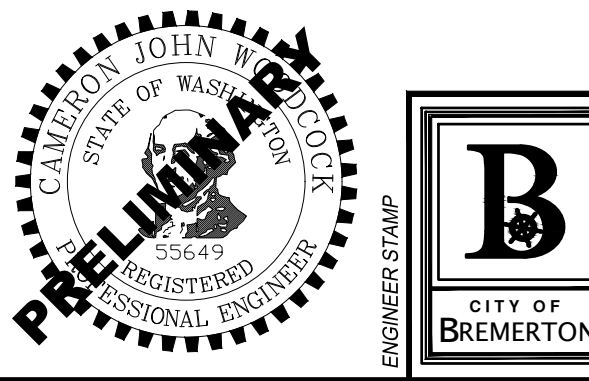
PERRY AVE SE FL			
LINER/CURVE#	LENGTH	BEARING/DELTA	RADIUS
L13	11.29	N02° 33' 03"E	
C28	12.73	36.48°	20.00
C29	12.73	36.48°	20.00
L14	5.00	N02° 33' 03"E	
C30	23.55	89.96°	15.00
L15	5.00	S87° 29' 05"E	
C31	12.92	37.01°	20.00
C32	12.93	37.05°	20.00
L16	3.85	S87° 31' 39"E	

GENERAL NOTES

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK DRAWN BY: J. AKADA CHECKED BY: B. TUMBLING
 WA P.E.# 55649 DATE: 10/29/2025 DATE: 10/29/2025 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
INTERSECTION GRADING

SHEET
29 OF 65
 PN: 234-1896-196
 PLATE
GR07

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FILE: P:\S1896196-GR01 LAYOUT: GR7 PATH: U:\P\SO\Projects\Clients\1896-CityOfBremerton\234-1896-196_E9thStStormwaterImprov\99Sves\CADD\DWG PLOTTED BY: Akaddas DATE: Wednesday, October 29, 2025 3:23:34 PM

GENERAL NOTES

- FOR PARKING LOT CHANNELIZATION, SEE SHEET DT01.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE GRADES MEET ALL ACCESSIBILITY REQUIREMENTS.
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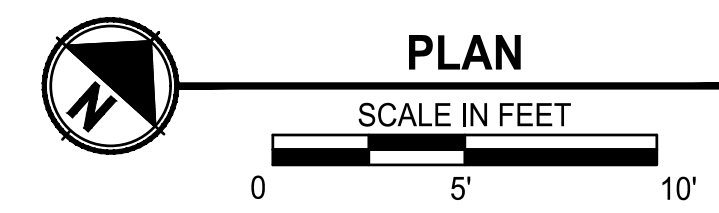
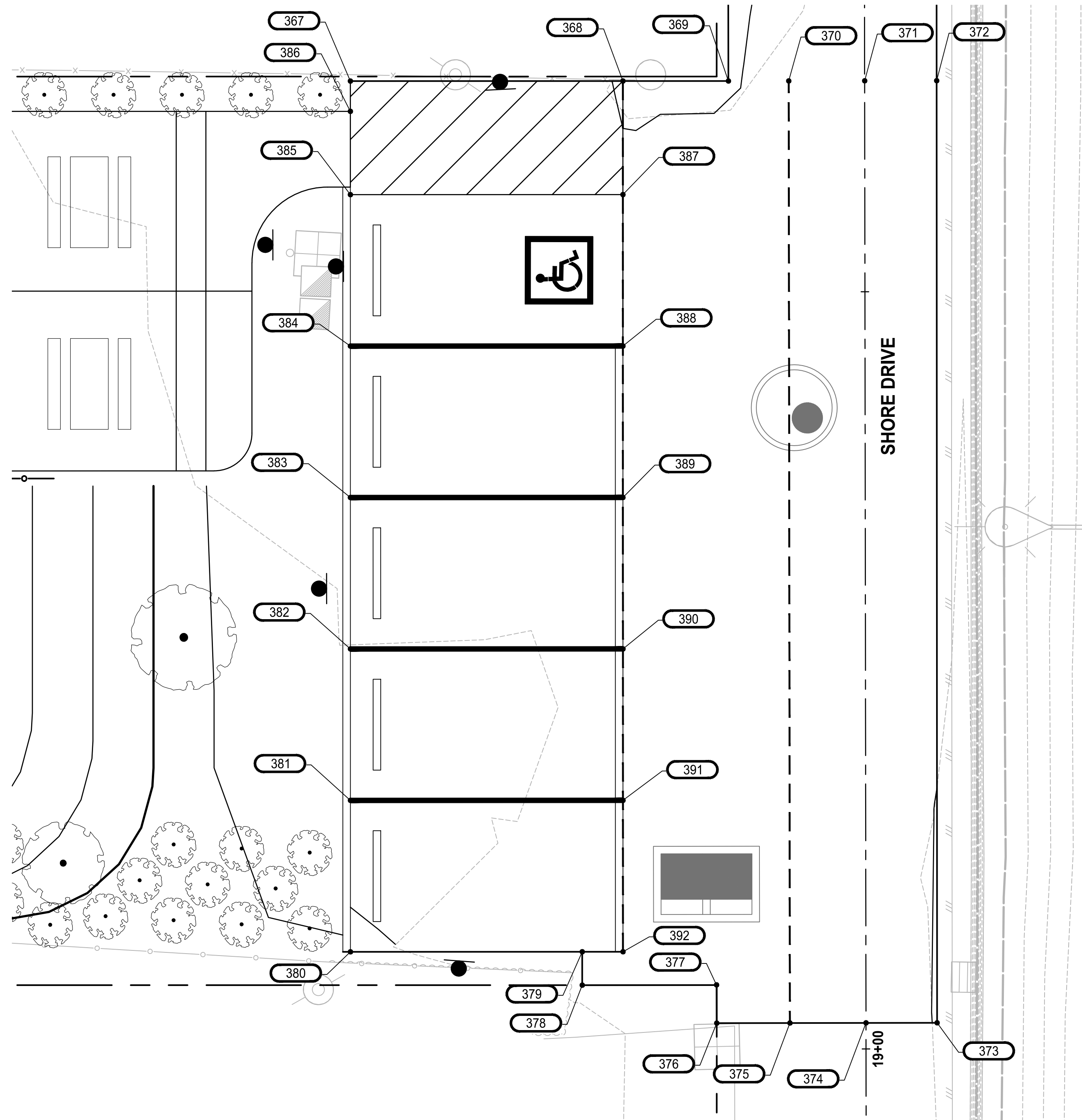
LEGEND:

----- GRADE BREAK

ABBREVIATIONS:

- AP ANGLE POINT
- BOW BACK OF WALK
- CL CENTERLINE
- EOP EDGE OF PAVEMENT
- FL FLOWLINE
- GB GRADE BREAK
- ME MATCH EXISTING
- PC POINT OF CURVATURE
- PCC POINT OF COMPOUND CURVATURE
- PRC POINT OF REVERSE CURVATURE
- PT POINT OF TANGENCY
- SW SIDEWALK

PARKING LOT GRADING POINTS				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
367	18+36.04	33.97' RT	16.27	ME
368	18+36.06	15.97' RT	16.96	GB,ME
369	18+36.07	9.00' RT	17.04	EOP,AP,ME
370	18+36.07	5.02' RT	16.85	GB
371	18+36.07	0.00' CT	16.75	CL
372	18+36.07	4.75' LT	16.45	EOP,AP,ME
373	18+98.28	4.70' LT	15.98	EOP,AP,ME
374	18+98.28	0.00' CT	16.34	EOP,ME,CL
375	18+98.28	5.03' RT	16.57	EOP,ME
376	18+98.28	9.86' RT	16.59	EOP,AP,ME
377	18+95.76	9.87' RT	16.71	EOP,AP,ME
378	18+95.76	18.74' RT	16.16	EOP,AP,ME
379	18+93.56	18.74' RT	16.32	EOP,AP,ME
380	18+93.54	34.04' RT	15.91	FL,EOP,ME
381	18+83.54	34.03' RT	16.25	FL
382	18+73.54	34.02' RT	16.25	FL
383	18+63.54	34.00' RT	16.26	FL
384	18+53.54	33.99' RT	16.26	FL
385	18+43.54	33.98' RT	16.26	SW
386	18+38.04	33.97' RT	16.28	SW
387	18+43.56	15.98' RT	16.96	CURB,GB
388	18+53.56	15.99' RT	16.86	CURB,GB
389	18+63.56	16.00' RT	16.77	CURB,GB
390	18+73.56	16.02' RT	16.68	CURB,GB
391	18+83.56	16.03' RT	16.58	CURB,GB
392	18+93.56	16.04' RT	16.49	CURB,GB



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
 WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
 DATE: 10/29/2025

CHECKED BY: B. TUMBLING
 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

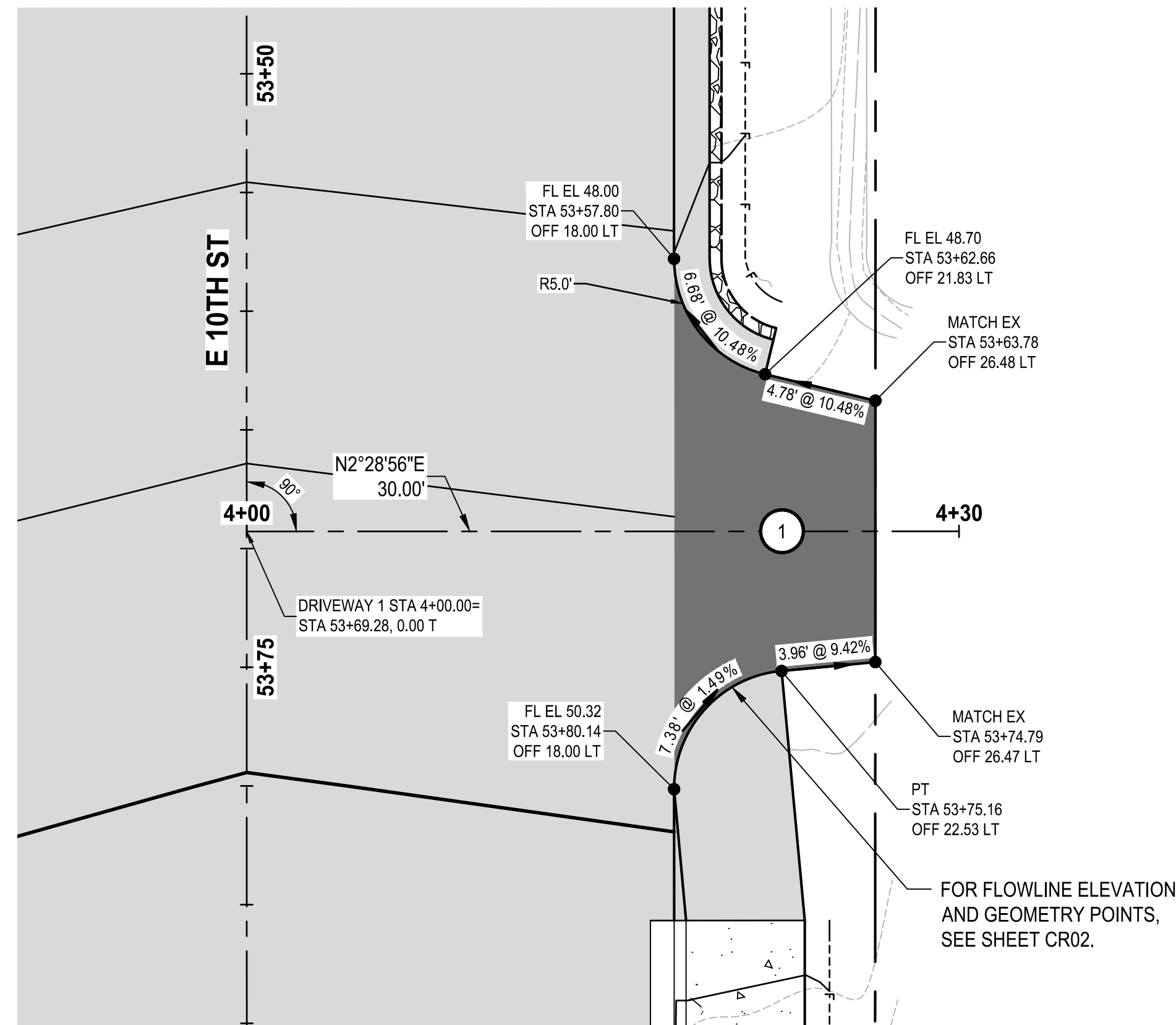
GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
PARKING LOT GRADING

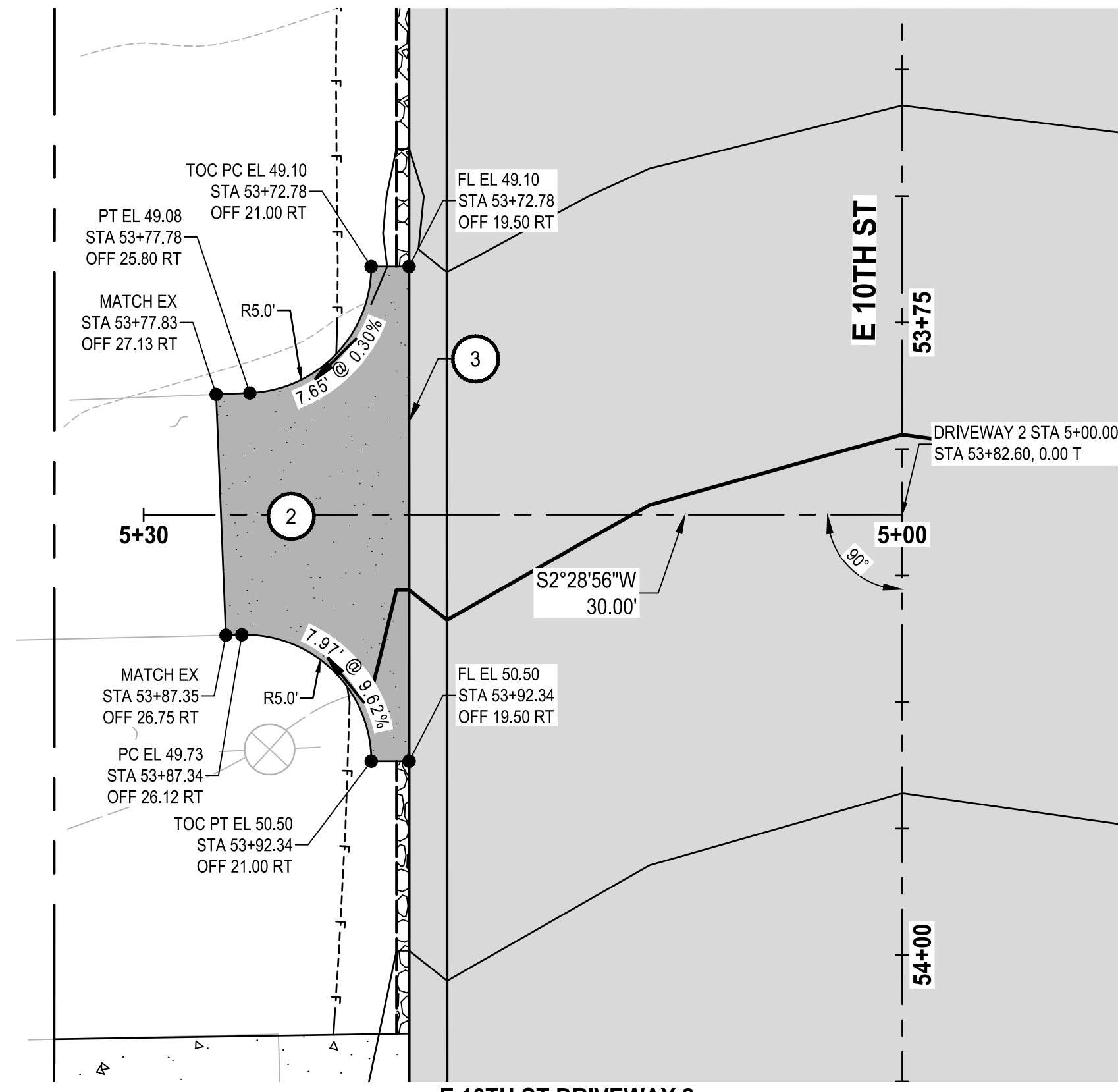
SHEET
30 OF 65

PN: 234-1896-196
 PLATE
GR08

FILE: P:\96196-GR01 LAYOUT: GR8 PATH: U:\P\30\Projects\Clients\1896-CityOfBremerton\234-1896-196-E9thStStormwaterImpro\995\cs\CADD\DWG PLOTTED BY: Akadab DATE: Wednesday, October 29, 2025 3:23:38 PM



**E 10TH ST DRIVEWAY 1
PLAN**
SCALE IN FEET
0 5 10'



**E 10TH ST DRIVEWAY 2
PLAN**
SCALE IN FEET
0 5 10'

GENERAL NOTES:

- RADIUS CALLOUTS ARE AT FACE OF CURB OR EDGE OF PAVEMENT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL DRIVEWAY TRANSITIONS, DIMENSIONS, AND SLOPES OF FORM LINES MEET ALL ACCESSIBILITY REQUIREMENTS.
- STATIONS AND ELEVATIONS ARE TO FLOW LINE OR EDGE OF PAVEMENT.
- CONTRACTOR SHALL PROVIDE SURVEY STAKING TO THE LEVEL OF SURVEY ACCURACY NECESSARY TO SUPPORT THE CONSTRUCTION OF SIDEWALK, CURBS, CURB RAMPS, AND RELATED PROJECT ELEMENTS. TRADITIONAL SURVEY AND STAKING METHODS SHALL BE SUPPLEMENTED IN THE FIELD BY THE CONTRACTOR THROUGH THE USE OF A CONTRACTOR-SUPPLIED 4-FOOT LONG 'SMART' LEVEL TO DIGITALLY MEASURE SLOPES. SMART LEVEL SHALL BE CALIBRATED TO MEASURE TO A MINIMUM ACCURACY OF 0.01%. THE LEVEL OF ACCURACY REQUIRED FOR GAUGING COMPLIANCE WILL BE BASED ON THE LEVEL OF PRECISION FOR EACH REQUIREMENT, AS APPLICABLE THAT IS DESCRIBED ABOVE.
- DRIVEWAY APPROACHES SHALL CONFORM TO ADA REQUIREMENTS AND BE CONSTRUCTED PER THE ADOPTED WSDOT STANDARD PLANS.

CONSTRUCTION NOTES:

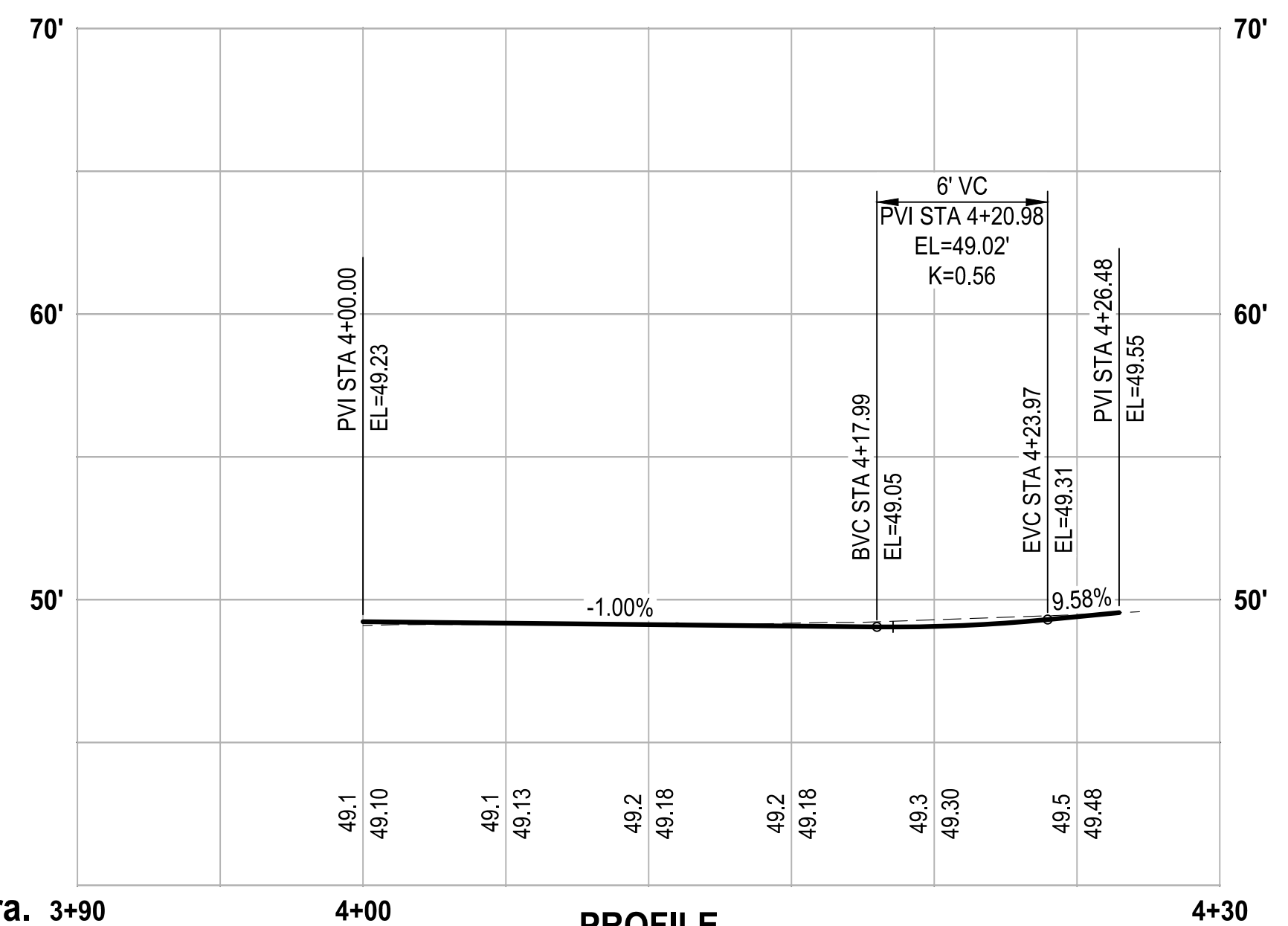
- ASPHALT DRIVEWAY APPROACH, FOR TYPICAL SECTION SEE **H RS02**
- CEMENT CONC. DRIVEWAY APPROACH, FOR TYPICAL SECTION SEE **I RS02**
- DEPRESSED ASPHALT WEDGE CURB PER DETAIL **3 DT01**

LEGEND:

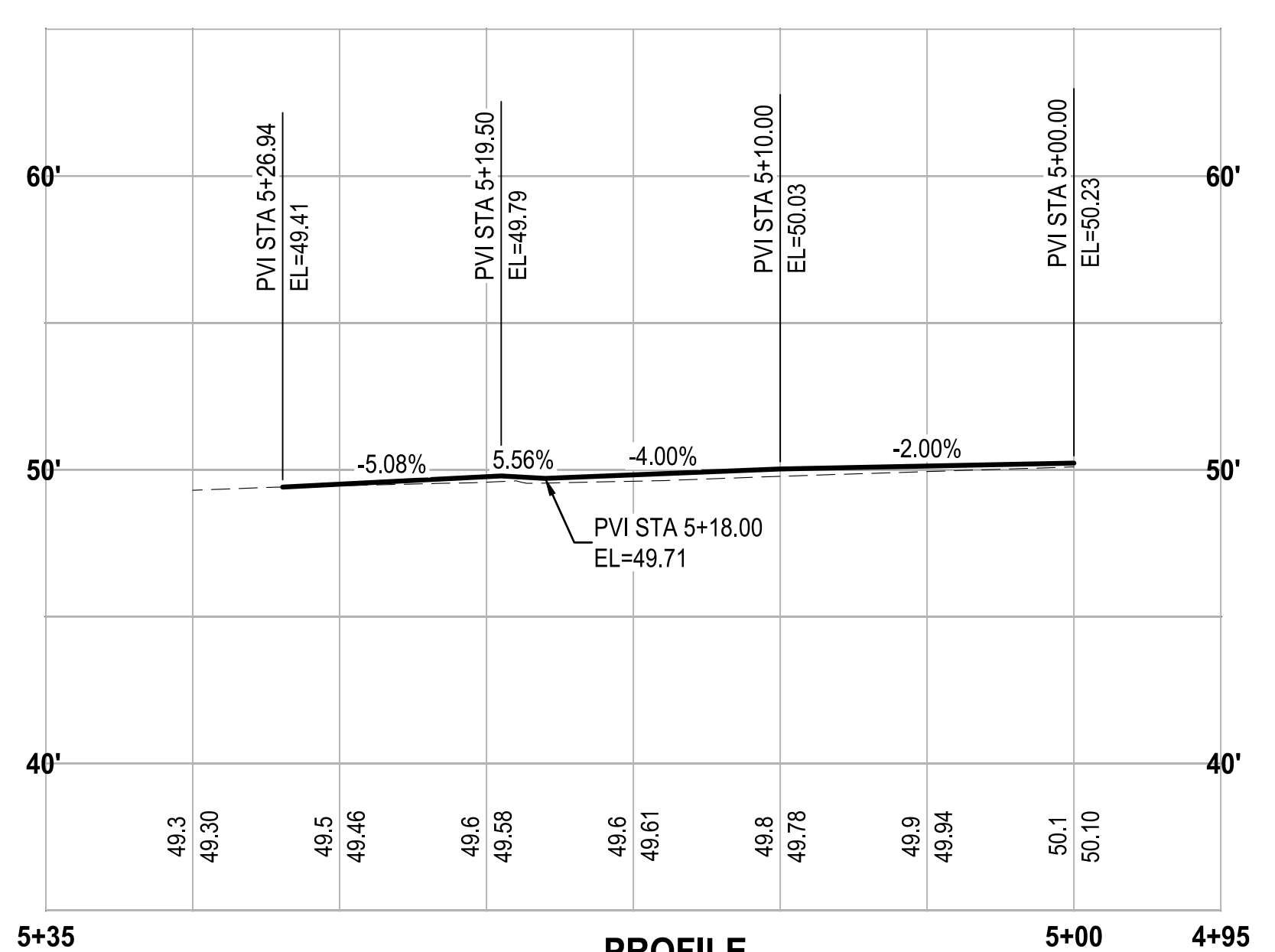
- EL - ELEVATION
- FL - FLOWLINE
- EX - EXISTING
- OFF - OFFSET
- PC - POINT OF CURVATURE
- PT - POINT OF TANGENCY
- STA - STATION

LEGEND:

- CEMENT CONC. DRIVEWAY APPROACH
- ASPHALT DRIVEWAY APPROACH
- HMA



PROFILE
HORZ SCALE: 1"=5'
VERT SCALE: 1"=1'



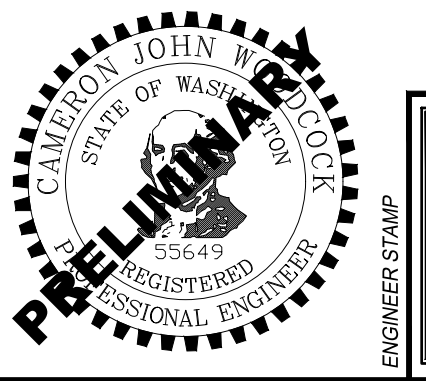
PROFILE
HORZ SCALE: 1"=5'
VERT SCALE: 1"=1'



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Llama antes de excavar.

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CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

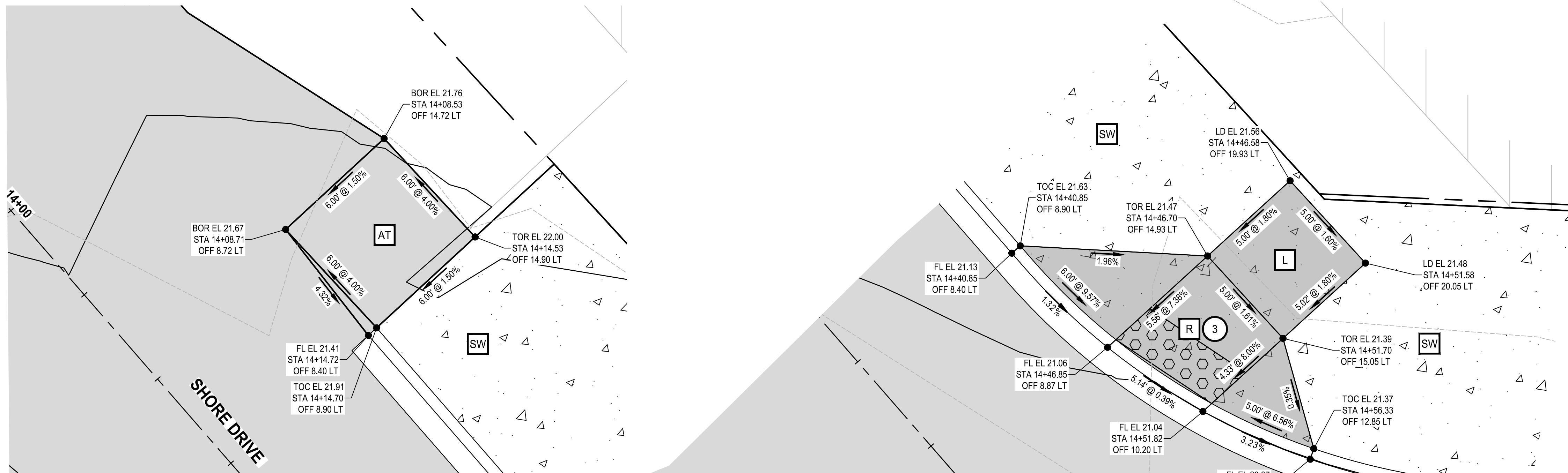
CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

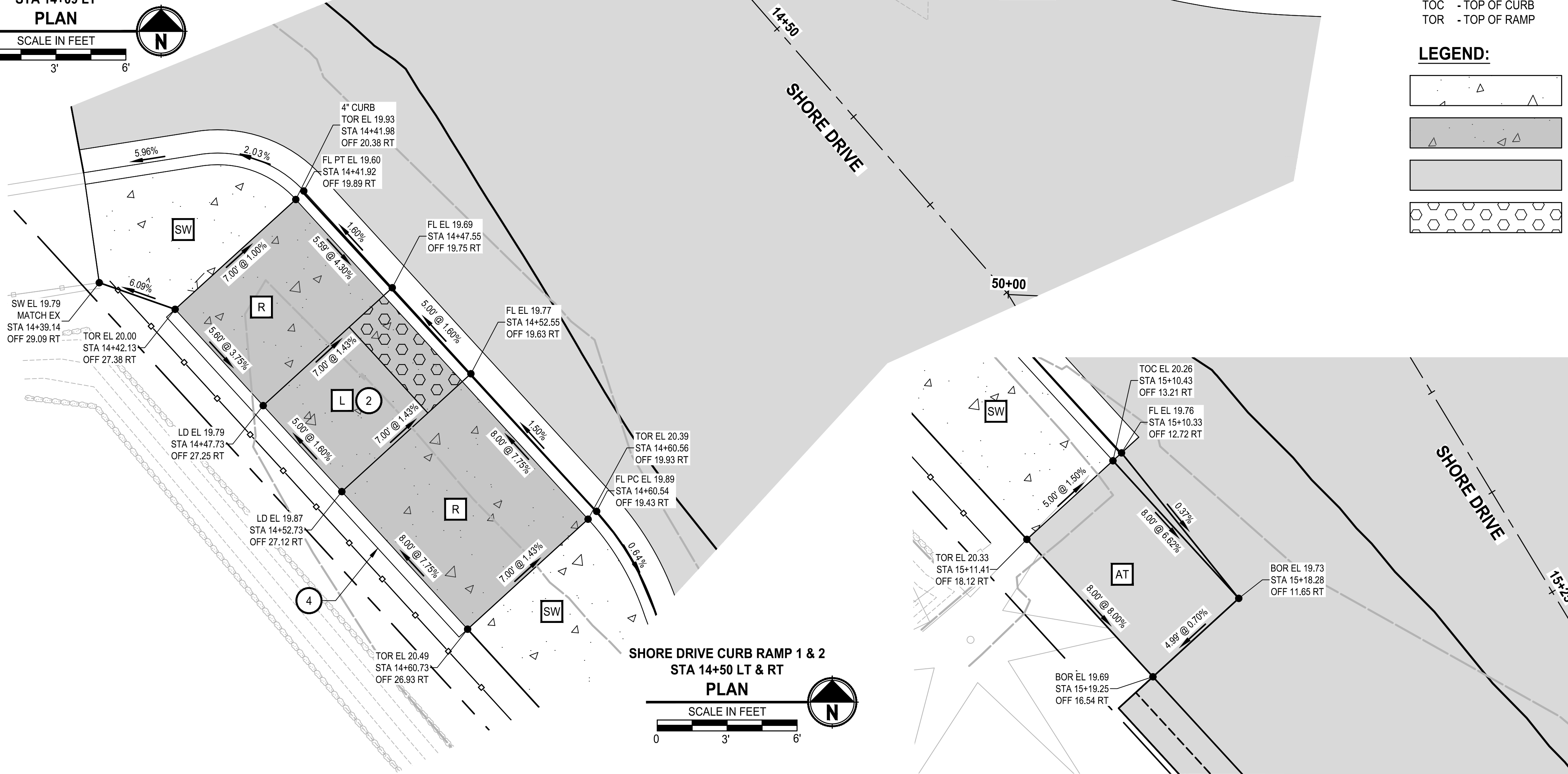
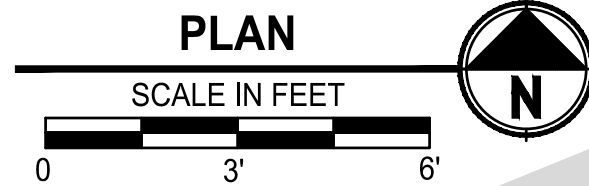
GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
DRIVEWAY PLAN AND PROFILE

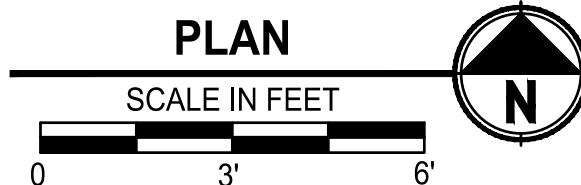
SHEET
31 OF 65
PN: 234-1896-196
PLATE
DW01



SHORE DRIVE ASPHALT PANEL 1
STA 14+09 LT
PLAN



SHORE DRIVE CURB RAMP 1 & 2
STA 14+50 LT & RT
PLAN



GENERAL NOTES:

- STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
- SIDEWALK RESTORATION FOR PROPERTIES SHALL BE 4" CEMENT CONC. SIDEWALK WITH BROOM FINISH PER WSDOT STD PLAN F-30.10-04. FOR BASE DEPTH UNDER SIDEWALK REFER TO RS SHEETS.
- EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE GRADES MEET ALL ACCESSIBILITY REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE SURVEY STAKING TO THE LEVEL OF SURVEY ACCURACY NECESSARY TO SUPPORT THE CONSTRUCTION OF SIDEWALK, CURBS, CURB RAMPS, AND RELATED PROJECT ELEMENTS. TRADITIONAL SURVEY AND STAKING METHODS SHALL BE SUPPLEMENTED IN THE FIELD BY THE CONTRACTOR THROUGH THE USE OF A CONTRACTOR-SUPPLIED 4-FOOT LONG 'SMART' LEVEL TO DIGITALLY MEASURE SLOPES.
- DETECTABLE WARNING SURFACE IS 2' WIDE MEASURED FROM BACK OF CURB.

CONSTRUCTION NOTES:

- ASPHALT WEDGE CURB PER 2
- CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
- CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STD PLAN F-40.15-04
- CEMENT CONC. PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.04
- CEMENT CONC. CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03

ABBREVIATIONS:

- BOR - BOTTOM OF RAMP
- EL - ELEVATION
- FL - FLOWLINE
- LD - LANDING
- OFF - OFFSET
- PC - POINT OF CURVATURE
- PT - POINT OF TANGENCY
- STA - STATION
- SW - SIDEWALK
- TOC - TOP OF CURB
- TOR - TOP OF RAMP
- RAMP
- LANDING
- SIDEWALK
- ASPHALT TRANSITION PANEL
- MAXIMUM EXTENT FEASIBLE

LEGEND:

- CEMENT CONC. SIDEWALK
- CEMENT CONC. CURB RAMP
- HMA
- DETECTABLE WARNING SURFACE

SHORE DRIVE ASPHALT PANEL 2
STA 15+18 LT
PLAN



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

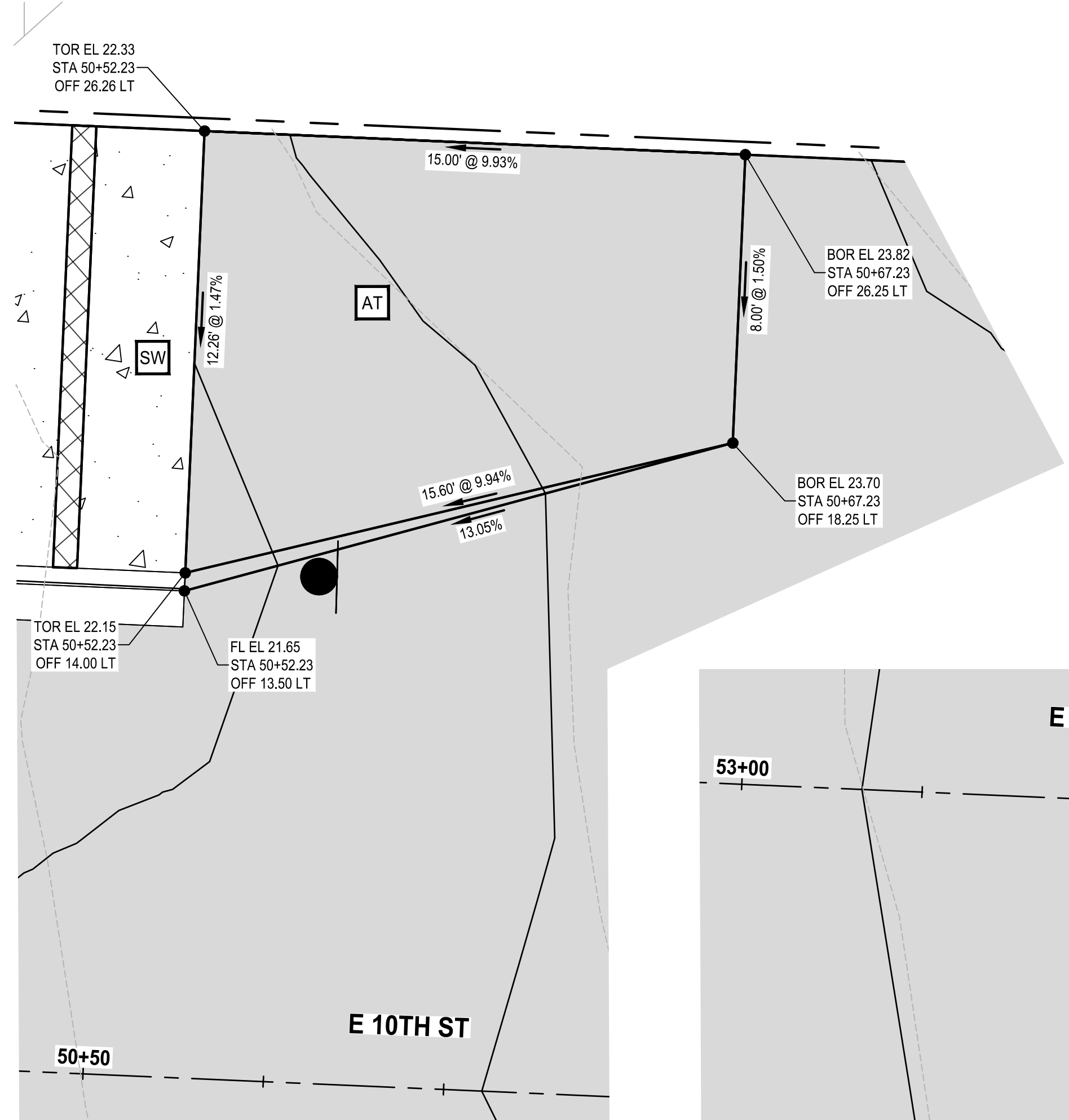
SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

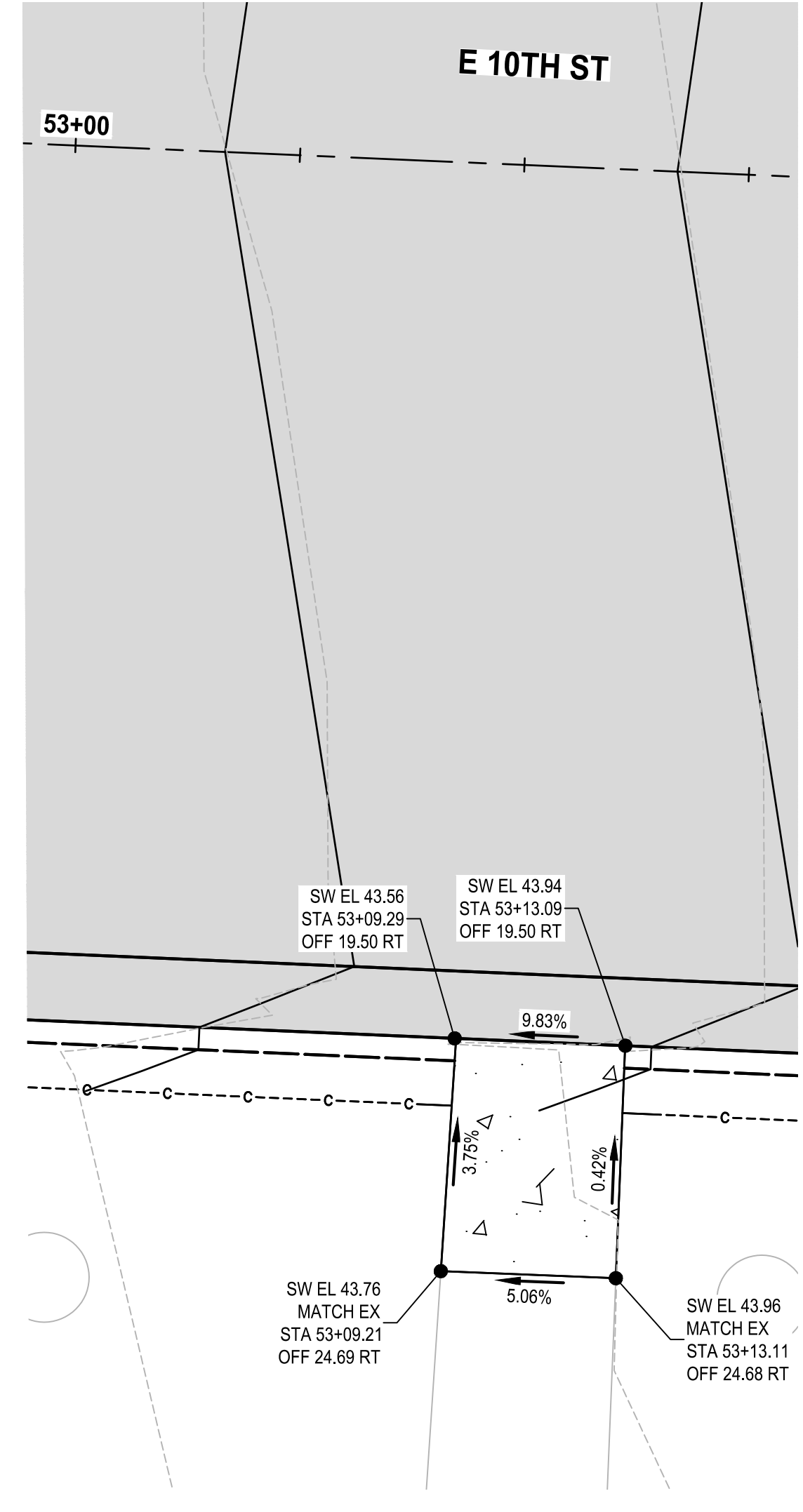
EAST 9TH STREET STORMWATER IMPROVEMENTS
CURB RAMP GRADING

SHEET
32 OF 65
PN: 234-1896-196
PLATE
CR01

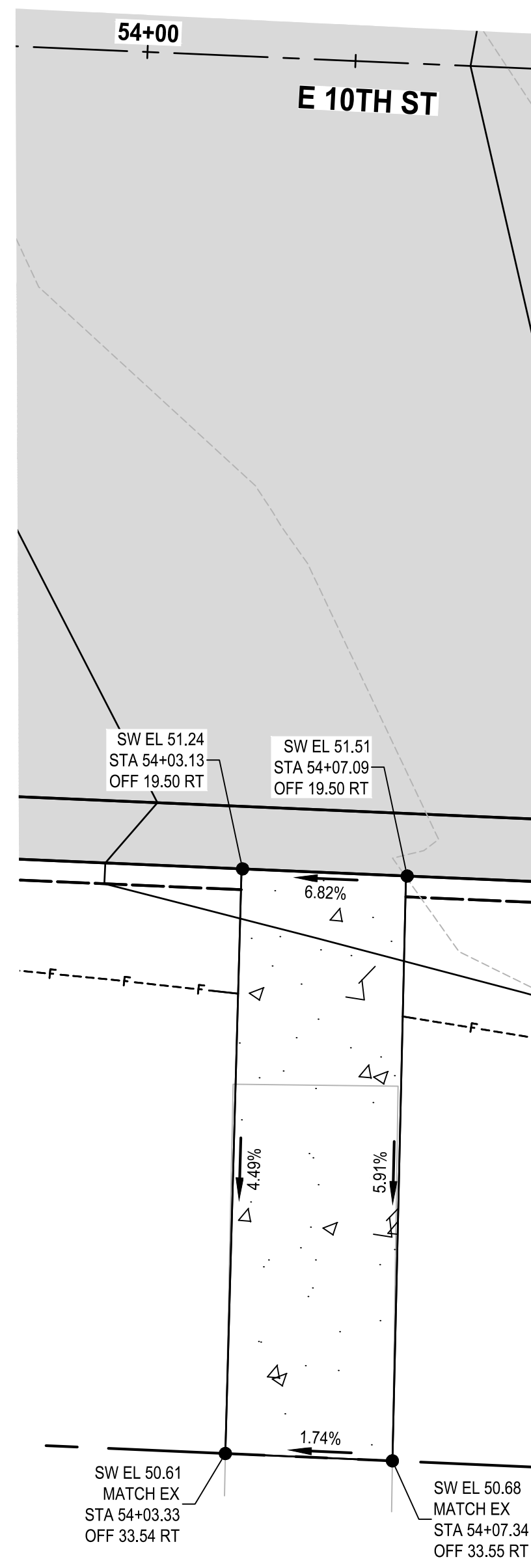
FILE: P:\S186196-CR01 LAYOUT: CR01 DATE: Wednesday, October 29, 2025 4:38:20 PM PLOTTED BY: Akadabos



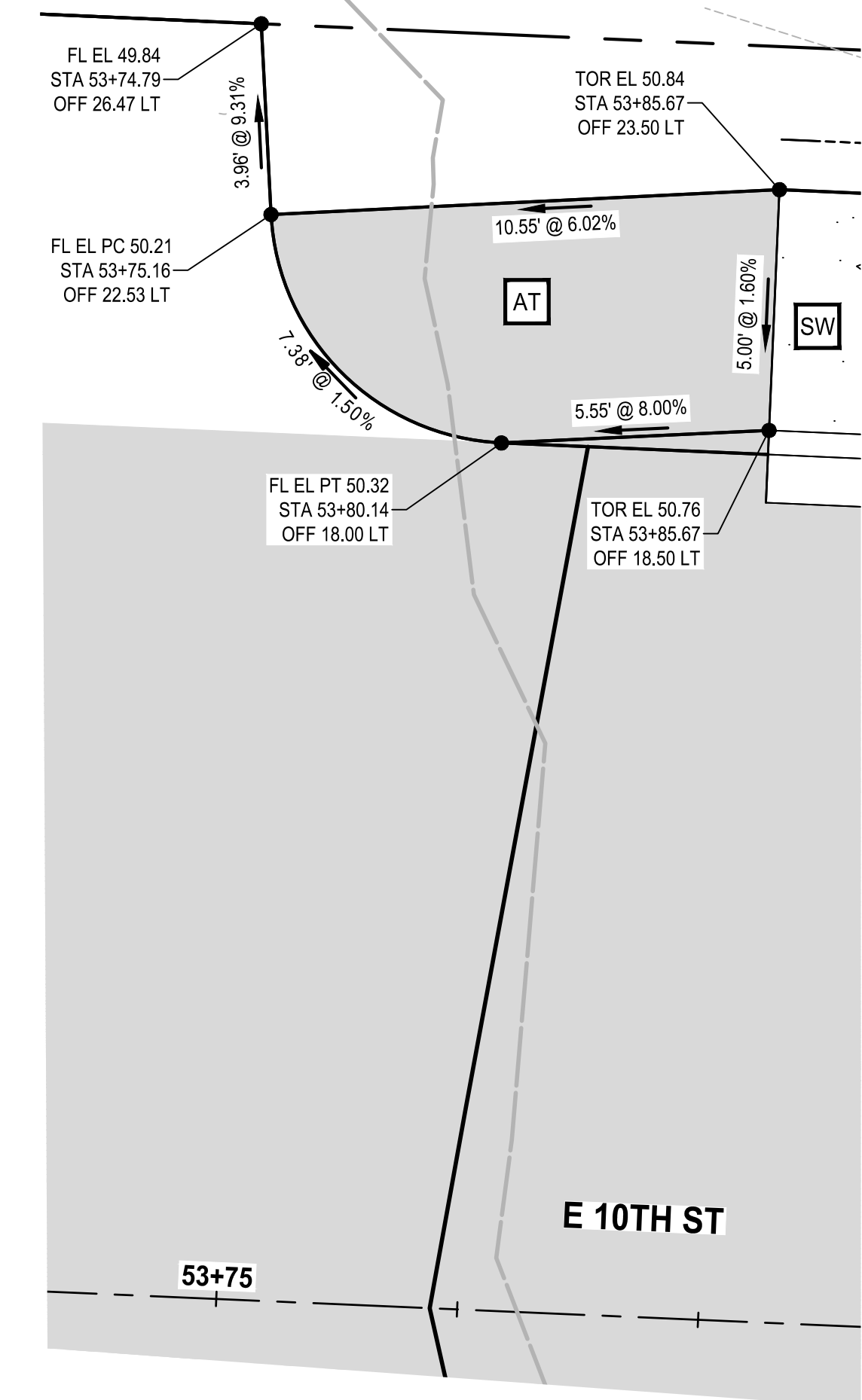
**E 10TH ST ASPHALT PANEL 1
STA 50+60 LT
PLAN**
SCALE IN FEET
0 3' 6'



**E 10TH ST PROPERTY PATH 1
STA 53+11 RT
PLAN**
SCALE IN FEET
0 3' 6'



**E 10TH ST PROPERTY PATH 2
STA 54+05 RT
PLAN**
SCALE IN FEET
0 3' 6'



**E 10TH ST ASPHALT PANEL 2
STA 53+75 LT
PLAN**
SCALE IN FEET
0 3' 6'

GENERAL NOTES:

1. STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
2. SIDEWALK RESTORATION FOR PROPERTIES SHALL BE 4" CEMENT CONC. SIDEWALK WITH BROOM FINISH PER WSDOT STD PLAN F-30.10-04. FOR BASE DEPTH UNDER SIDEWALK REFER TO RS SHEETS.
3. EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE GRADES MEET ALL ACCESSIBILITY REQUIREMENTS.
4. CONTRACTOR SHALL PROVIDE SURVEY STAKING TO THE LEVEL OF SURVEY ACCURACY NECESSARY TO SUPPORT THE CONSTRUCTION OF SIDEWALK, CURBS, CURB RAMPS, AND RELATED PROJECT ELEMENTS. TRADITIONAL SURVEY AND STAKING METHODS SHALL BE SUPPLEMENTED IN THE FIELD BY THE CONTRACTOR THROUGH THE USE OF A CONTRACTOR-SUPPLIED 4-FOOT LONG 'SMART' LEVEL TO DIGITALLY MEASURE SLOPES.
5. DETECTABLE WARNING SURFACE IS 2' WIDE MEASURED FROM BACK OF CURB.

CONSTRUCTION NOTES:

1. ASPHALT WEDGE CURB PER $\frac{2}{DTOT}$
2. CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
3. CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STD PLAN F-40.15-04
4. CEMENT CONC. PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.04
5. CEMENT CONC. CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03

ABBREVIATIONS:

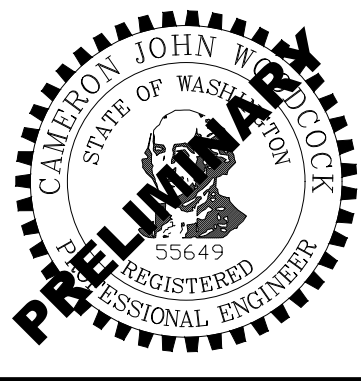
- BOR - BOTTOM OF RAMP
EL - ELEVATION
FL - FLOWLINE
LD - LANDING
OFF - OFFSET
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PT - POINT OF TANGENCY
STA - STATION
SW - SIDEWALK
TOC - TOP OF CURB
TOR - TOP OF RAMP
- R - RAMP
L - LANDING
SW - SIDEWALK
AT - ASPHALT TRANSITION PANEL
ME - MAXIMUM EXTENT FEASIBLE

LEGEND:

- CEMENT CONC. SIDEWALK
CEMENT CONC. CURB RAMP
HMA
DETECTABLE WARNING SURFACE



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
CURB RAMP GRADING

SHEET
33 OF 65
PN: 234-1896-196
PLATE
CR02

**90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

GENERAL NOTES:

- STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
- SIDEWALK RESTORATION FOR PROPERTIES SHALL BE 4" CEMENT CONC. SIDEWALK WITH BROOM FINISH PER WSDOT STD PLAN F-30.10-04. FOR BASE DEPTH UNDER SIDEWALK REFER TO RS SHEETS.
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- DETECTABLE WARNING SURFACE IS 2' WIDE MEASURED FROM BACK OF CURB.

CONSTRUCTION NOTES:

- ASPHALT WEDGE CURB PER $\frac{2}{DTOT}$
- CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
- CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STD PLAN F-40.15-04
- CEMENT CONC. PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.04
- CEMENT CONC. CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03

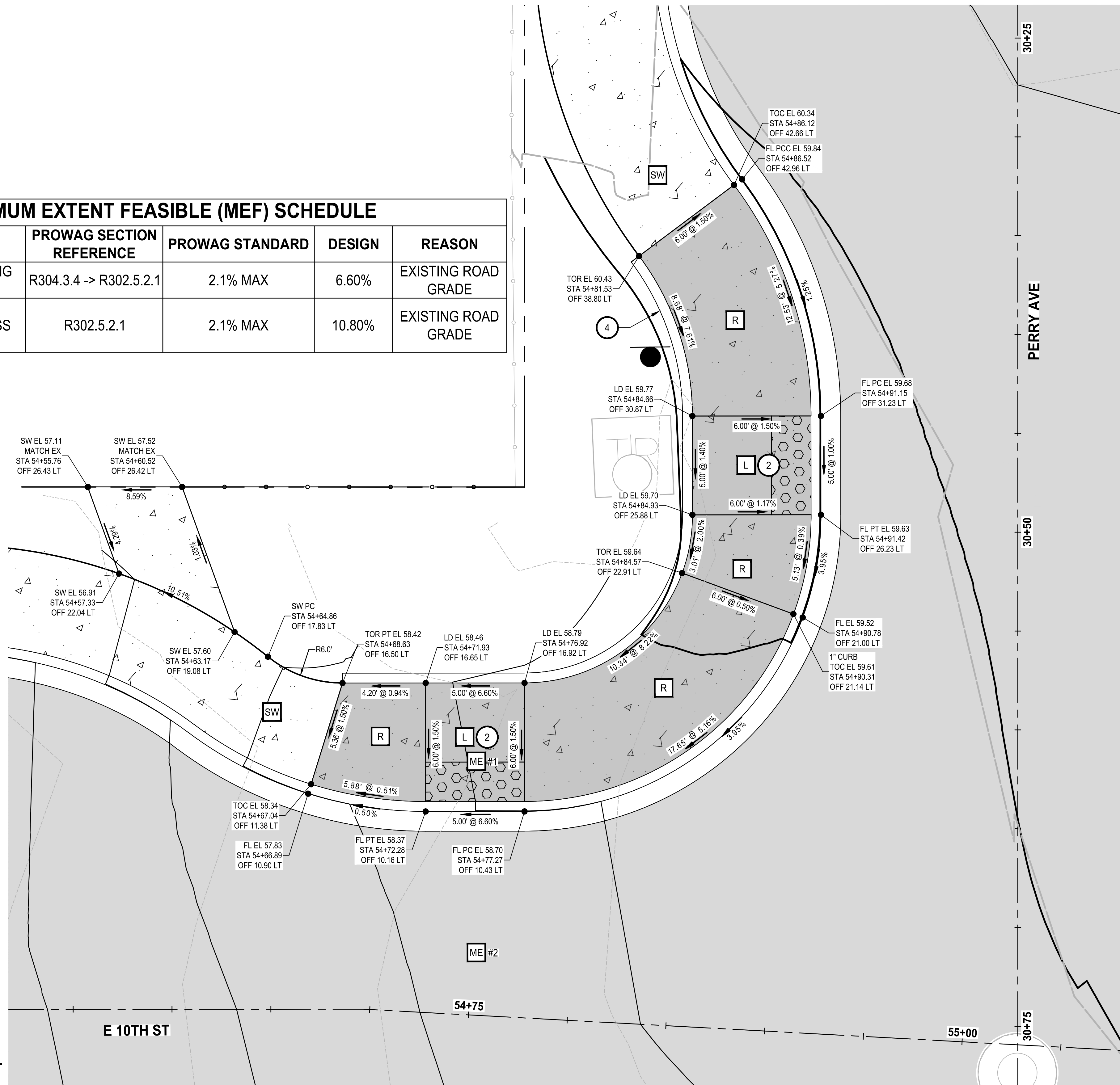
ABBREVIATIONS:

- | | |
|-------------------------|-------------------------------|
| BOR - BOTTOM OF RAMP | R - RAMP |
| EL - ELEVATION | L - LANDING |
| FL - FLOWLINE | SW - SIDEWALK |
| LD - LANDING | AT - ASPHALT TRANSITION PANEL |
| OFF - OFFSET | ME - MAXIMUM EXTENT FEASIBLE |
| PC - POINT OF CURVATURE | |
| PT - POINT OF TANGENCY | |
| STA - STATION | |
| SW - SIDEWALK | |
| TOC - TOP OF CURB | |
| TOR - TOP OF RAMP | |

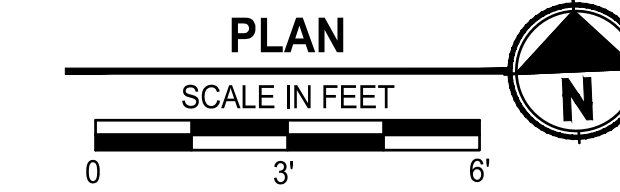
LEGEND:

- | | |
|--|----------------------------|
| | CEMENT CONC. SIDEWALK |
| | CEMENT CONC. CURB RAMP |
| | HMA |
| | DETECTABLE WARNING SURFACE |

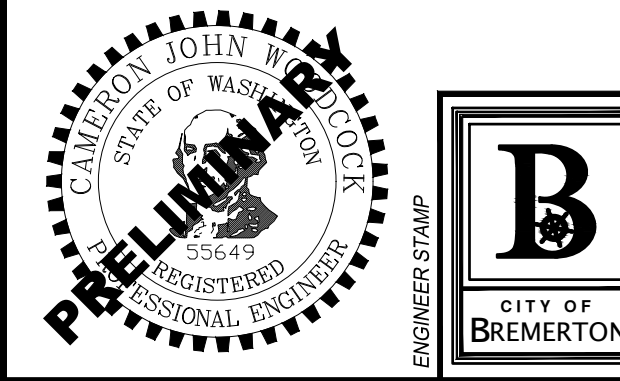
MAXIMUM EXTENT FEASIBLE (MEF) SCHEDULE					
MEF ID	ELEMENT	PROWAG SECTION REFERENCE	PROWAG STANDARD	DESIGN	REASON
1	LANDING RUNNING SLOPE	R304.3.4 -> R302.5.2.1	2.1% MAX	6.60%	EXISTING ROAD GRADE
2	PEDESTRIAN CROSSING CROSS SLOPE	R302.5.2.1	2.1% MAX	10.80%	EXISTING ROAD GRADE



PERRY AVE CURB RAMPS 1 & 2
STA 54+75 LT & STA 32+70 RT



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

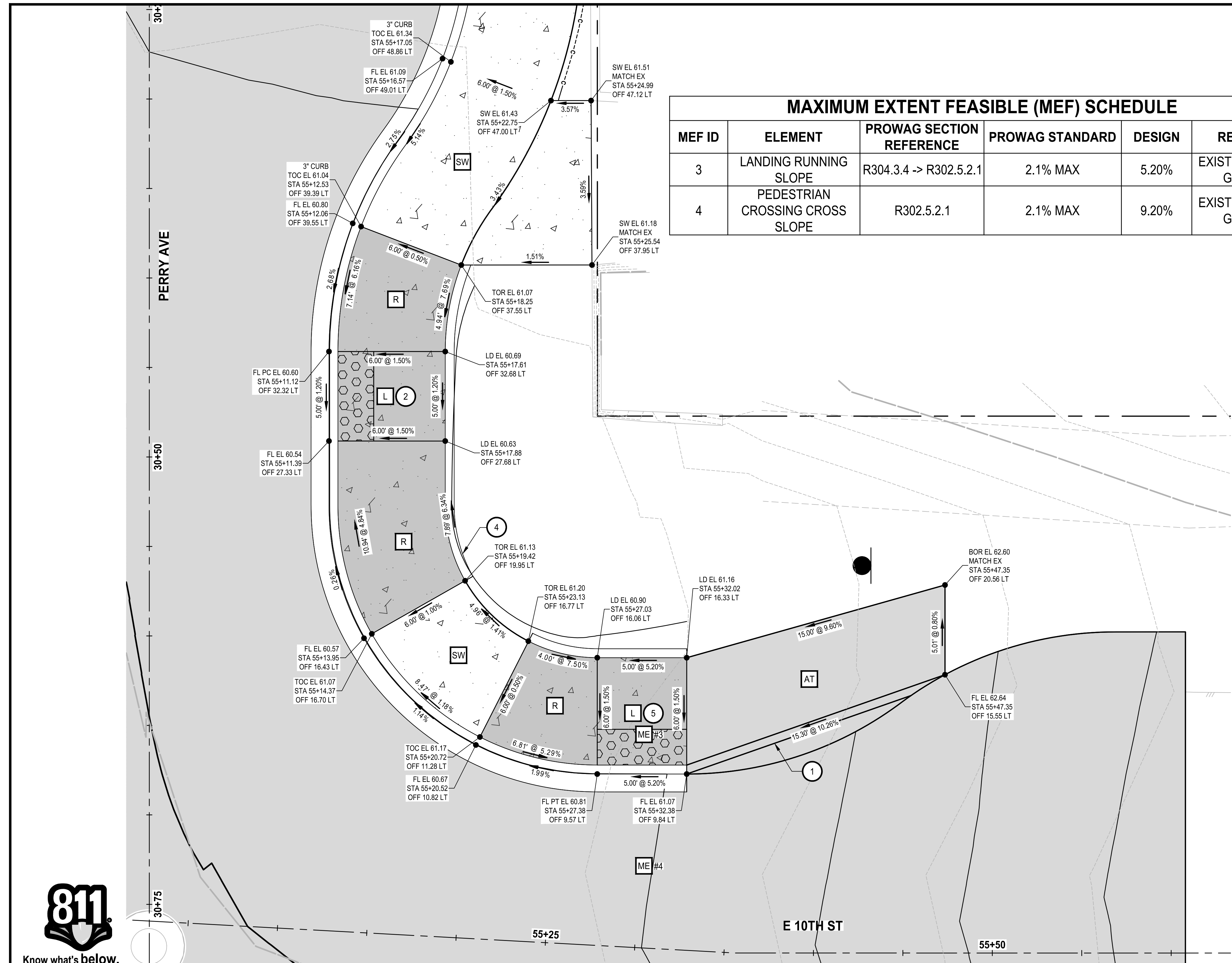
EAST 9TH STREET STORMWATER IMPROVEMENTS
CURB RAMP GRADING

SHEET
34 OF 65

PN: 234-1896-196

PLATE
CR03

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION



MAXIMUM EXTENT FEASIBLE (MEF) SCHEDULE					
MEF ID	ELEMENT	PROWAG SECTION REFERENCE	PROWAG STANDARD	DESIGN	REASON
3	LANDING RUNNING SLOPE	R304.3.4 -> R302.5.2.1	2.1% MAX	5.20%	EXISTING ROAD GRADE
4	PEDESTRIAN CROSSING CROSS SLOPE	R302.5.2.1	2.1% MAX	9.20%	EXISTING ROAD GRADE

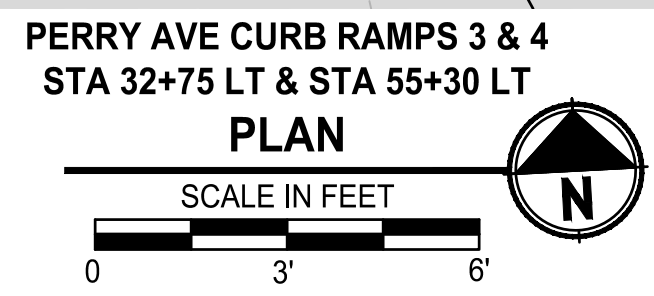
- GENERAL NOTES:**
- STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
 - SIDEWALK RESTORATION FOR PROPERTIES SHALL BE 4" CEMENT CONC. SIDEWALK WITH BROOM FINISH PER WSDOT STD PLAN F-30.10-04. FOR BASE DEPTH UNDER SIDEWALK REFER TO RS SHEETS.
 - EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE GRADES MEET ALL ACCESSIBILITY REQUIREMENTS.
 - CONTRACTOR SHALL PROVIDE SURVEY STAKING TO THE LEVEL OF SURVEY ACCURACY NECESSARY TO SUPPORT THE CONSTRUCTION OF SIDEWALK, CURBS, CURB RAMPS, AND RELATED PROJECT ELEMENTS. TRADITIONAL SURVEY AND STAKING METHODS SHALL BE SUPPLEMENTED IN THE FIELD BY THE CONTRACTOR THROUGH THE USE OF A CONTRACTOR-SUPPLIED 4-FOOT LONG 'SMART' LEVEL TO DIGITALLY MEASURE SLOPES.
 - DETECTABLE WARNING SURFACE IS 2' WIDE MEASURED FROM BACK OF CURB.

- CONSTRUCTION NOTES:**
- ASPHALT WEDGE CURB PER $\frac{2}{DTOT}$
 - CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
 - CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STD PLAN F-40.15-04
 - CEMENT CONC. PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.04
 - CEMENT CONC. CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03

- ABBREVIATIONS:**
- BOR - BOTTOM OF RAMP
 - EL - ELEVATION
 - FL - FLOWLINE
 - LD - LANDING
 - OFF - OFFSET
 - PC - POINT OF CURVATURE
 - PT - POINT OF TANGENCY
 - STA - STATION
 - SW - SIDEWALK
 - TOC - TOP OF CURB
 - TOR - TOP OF RAMP
 - R - RAMP
 - L - LANDING
 - SW - SIDEWALK
 - AT - ASPHALT TRANSITION PANEL
 - ME - MAXIMUM EXTENT FEASIBLE

- LEGEND:**
- CEMENT CONC. SIDEWALK
 - CEMENT CONC. CURB RAMP
 - HMA
 - DETECTABLE WARNING SURFACE

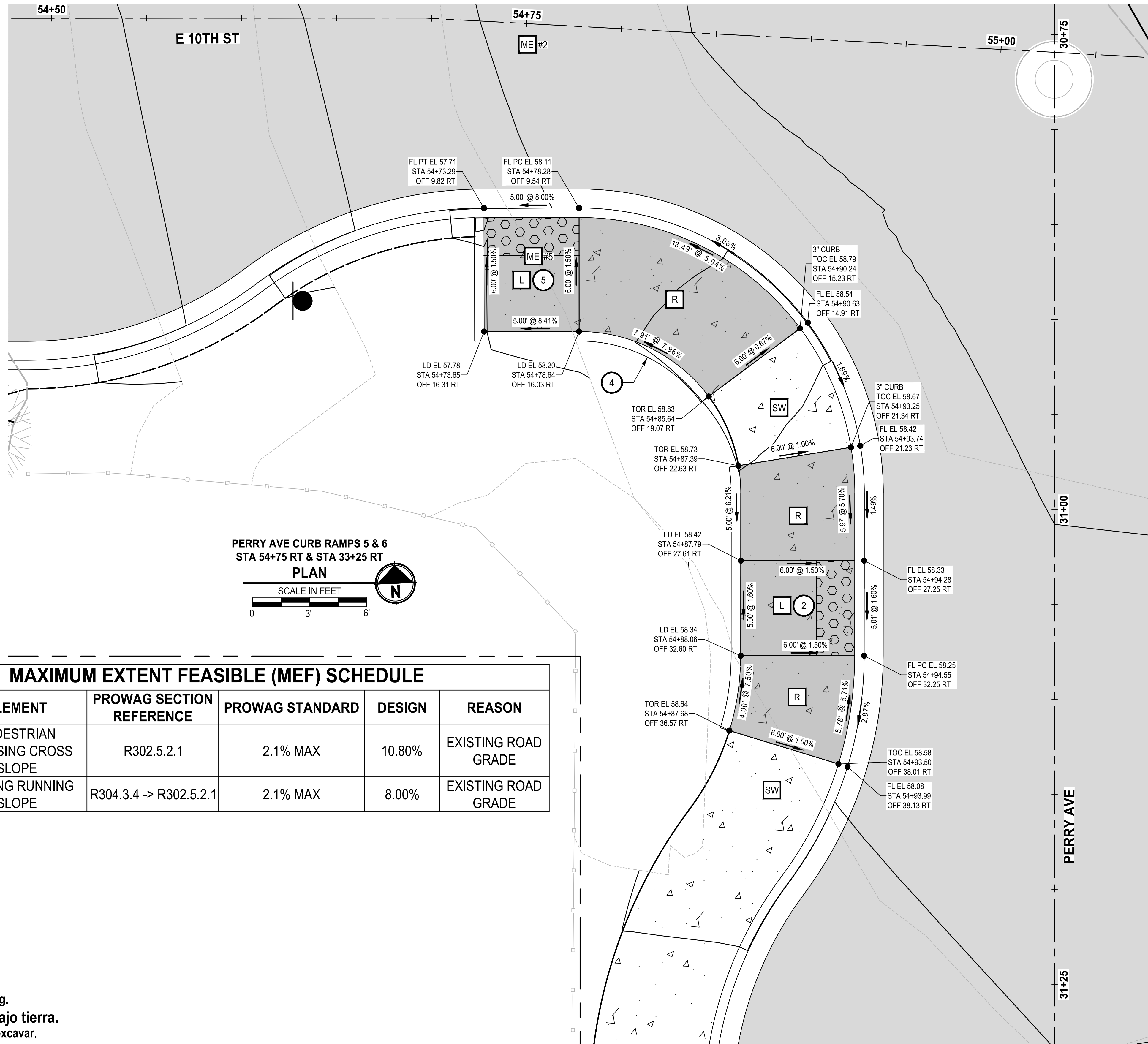
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		NO.	REVISIONS	DATE	BY	CITY OF BREMERTON DEPARTMENT OF PUBLIC WORKS & UTILITIES ENGINEERING DIVISION	SECTION, TOWNSHIP, RANGE:	EAST 9TH STREET STORMWATER IMPROVEMENTS CURB RAMP GRADING	SHEET
							S13, T24N, R1E, W.M.		35 OF 65
						DESIGN BY: C. WOODCOCK WA P.E.# 55649 DATE: 10/29/2025	GRANT/LOAN INFORMATION		PN: 234-1896-196
						DRAWN BY: J. AKADA DATE: 10/29/2025	ARPA NO.		PLATE
						CHECKED BY: B. TUMBLING WA P.E.# 20123355 DATE: 10/29/2025			CR04

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PERRY AVE CURB RAMPS 5 & 6
STA 54+75 RT & STA 33+25 RT
PLAN



MAXIMUM EXTENT FEASIBLE (MEF) SCHEDULE

MEF ID	ELEMENT	PROWAG SECTION REFERENCE	PROWAG STANDARD	DESIGN	REASON
2	PEDESTRIAN CROSSING CROSS SLOPE	R302.5.2.1	2.1% MAX	10.80%	EXISTING ROAD GRADE
5	LANDING RUNNING SLOPE	R304.3.4 -> R302.5.2.1	2.1% MAX	8.00%	EXISTING ROAD GRADE

GENERAL NOTES:

- STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
- SIDEWALK RESTORATION FOR PROPERTIES SHALL BE 4" CEMENT CONC. SIDEWALK WITH BROOM FINISH PER WSDOT STD PLAN F-30.10-04. FOR BASE DEPTH UNDER SIDEWALK REFER TO RS SHEETS.
- EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE GRADES MEET ALL ACCESSIBILITY REQUIREMENTS.
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- DETECTABLE WARNING SURFACE IS 2' WIDE MEASURED FROM BACK OF CURB.

CONSTRUCTION NOTES:

- ASPHALT WEDGE CURB PER $\frac{2}{DTOT}$
- CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
- CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A PER WSDOT STD PLAN F-40.15-04
- CEMENT CONC. PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.04
- CEMENT CONC. CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03

ABBREVIATIONS:

- | | |
|-------------------------|-------------------------------|
| BOR - BOTTOM OF RAMP | R - RAMP |
| EL - ELEVATION | L - LANDING |
| FL - FLOWLINE | SW - SIDEWALK |
| LD - LANDING | AT - ASPHALT TRANSITION PANEL |
| OFF - OFFSET | ME - MAXIMUM EXTENT FEASIBLE |
| PC - POINT OF CURVATURE | |
| PT - POINT OF TANGENCY | |
| STA - STATION | |
| SW - SIDEWALK | |
| TOC - TOP OF CURB | |
| TOR - TOP OF RAMP | |

LEGEND:

- | | |
|--|----------------------------|
| | CEMENT CONC. SIDEWALK |
| | CEMENT CONC. CURB RAMP |
| | HMA |
| | DETECTABLE WARNING SURFACE |



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
CURB RAMP GRADING

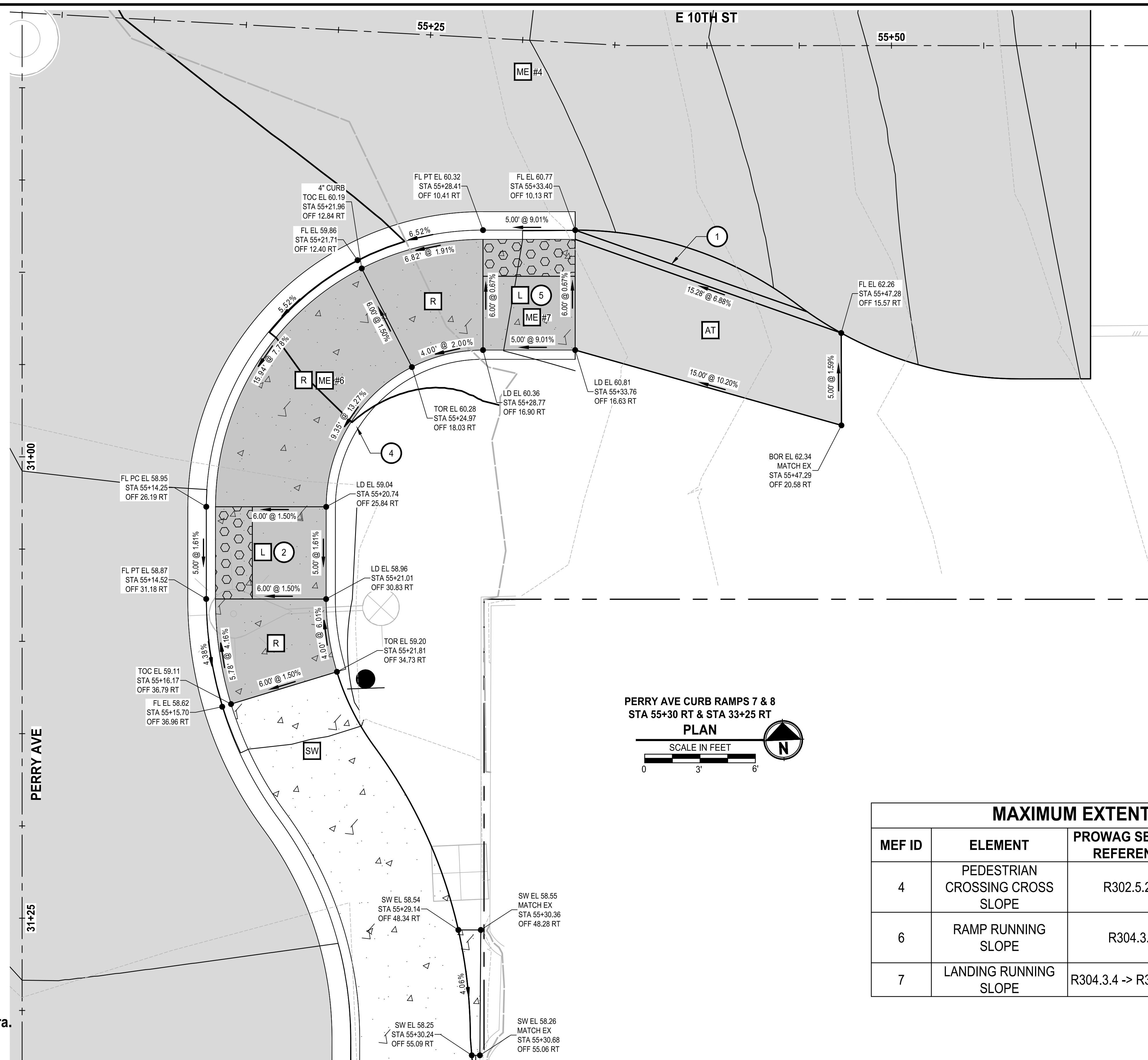
SHEET
36 OF 65

PN: 234-1896-196

PLATE

CR05

90% REVIEW SUBMITTAL
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GENERAL NOTES:

- STATION AND OFFSETS ARE REFERENCED TO CONSTRUCTION CENTERLINE.
- SIDEWALK RESTORATION FOR PROPERTIES SHALL BE 4" CEMENT CONC. SIDEWALK WITH BROOM FINISH PER WSDOT STD PLAN F-30.10-04. FOR BASE DEPTH UNDER SIDEWALK REFER TO RS SHEETS.
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CONSTRUCTION NOTES:

- ASPHALT WEDGE CURB PER $\frac{2}{DTOT}$
- CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
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- CEMENT CONC. CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03

ABBREVIATIONS:

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- EL - ELEVATION
- FL - FLOWLINE
- LD - LANDING
- OFF - OFFSET
- PC - POINT OF CURVATURE
- PT - POINT OF TANGENCY
- STA - STATION
- SW - SIDEWALK
- TOC - TOP OF CURB
- TOR - TOP OF RAMP
- R - RAMP
- L - LANDING
- SW - SIDEWALK
- AT - ASPHALT TRANSITION PANEL
- ME - MAXIMUM EXTENT FEASIBLE

LEGEND:

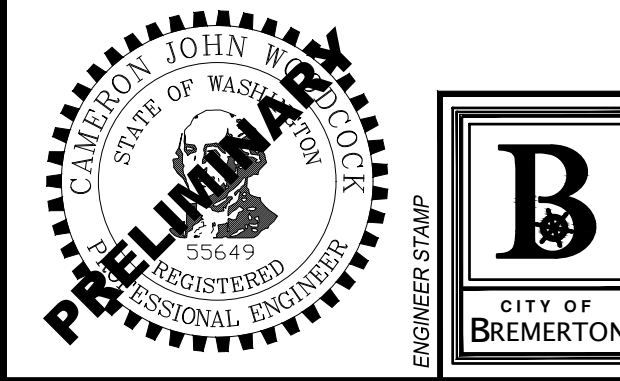
- CEMENT CONC. SIDEWALK
- CEMENT CONC. CURB RAMP
- HMA
- DETECTABLE WARNING SURFACE

**PERRY AVE CURB RAMPS 7 & 8
STA 55+30 RT & STA 33+25 RT
PLAN**
SCALE IN FEET

MAXIMUM EXTENT FEASIBLE (MEF) SCHEDULE					
MEF ID	ELEMENT	PROWAG SECTION REFERENCE	PROWAG STANDARD	DESIGN	REASON
4	PEDESTRIAN CROSSING CROSS SLOPE	R302.5.2.1	2.1% MAX	9.20%	EXISTING ROAD GRADE
6	RAMP RUNNING SLOPE	R304.3.1	8.3% MAX	13.30%	EXISTING ROAD GRADE
7	LANDING RUNNING SLOPE	R304.3.4 -> R302.5.2.1	2.1% MAX	9.00%	EXISTING ROAD GRADE

**90% REVIEW SUBMITTAL
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NO.	REVISIONS	DATE	BY

**CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION**

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

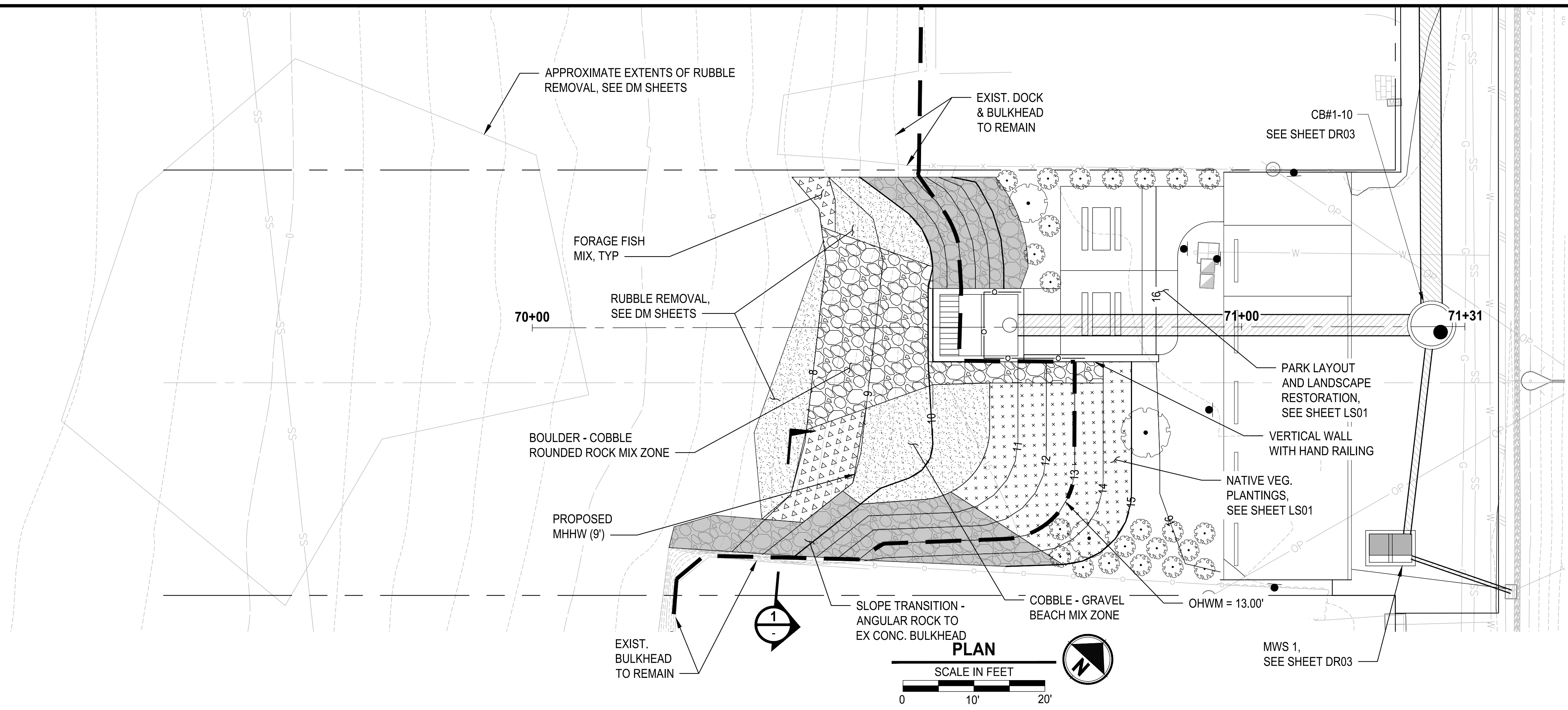
GRANT/LOAN INFORMATION
ARPA NO.

**EAST 9TH STREET STORMWATER IMPROVEMENTS
CURB RAMP GRADING**

SHEET
37 OF 65

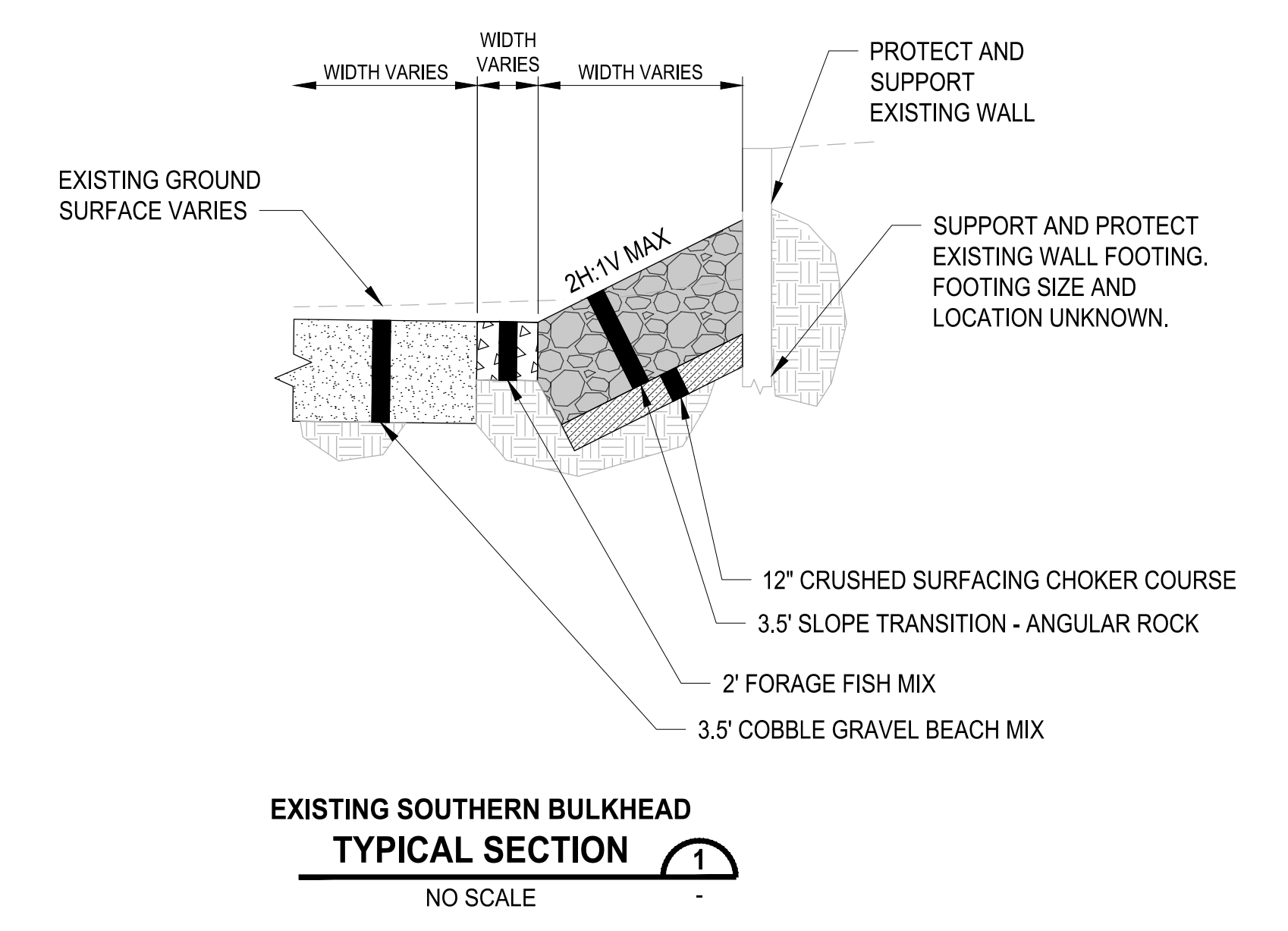
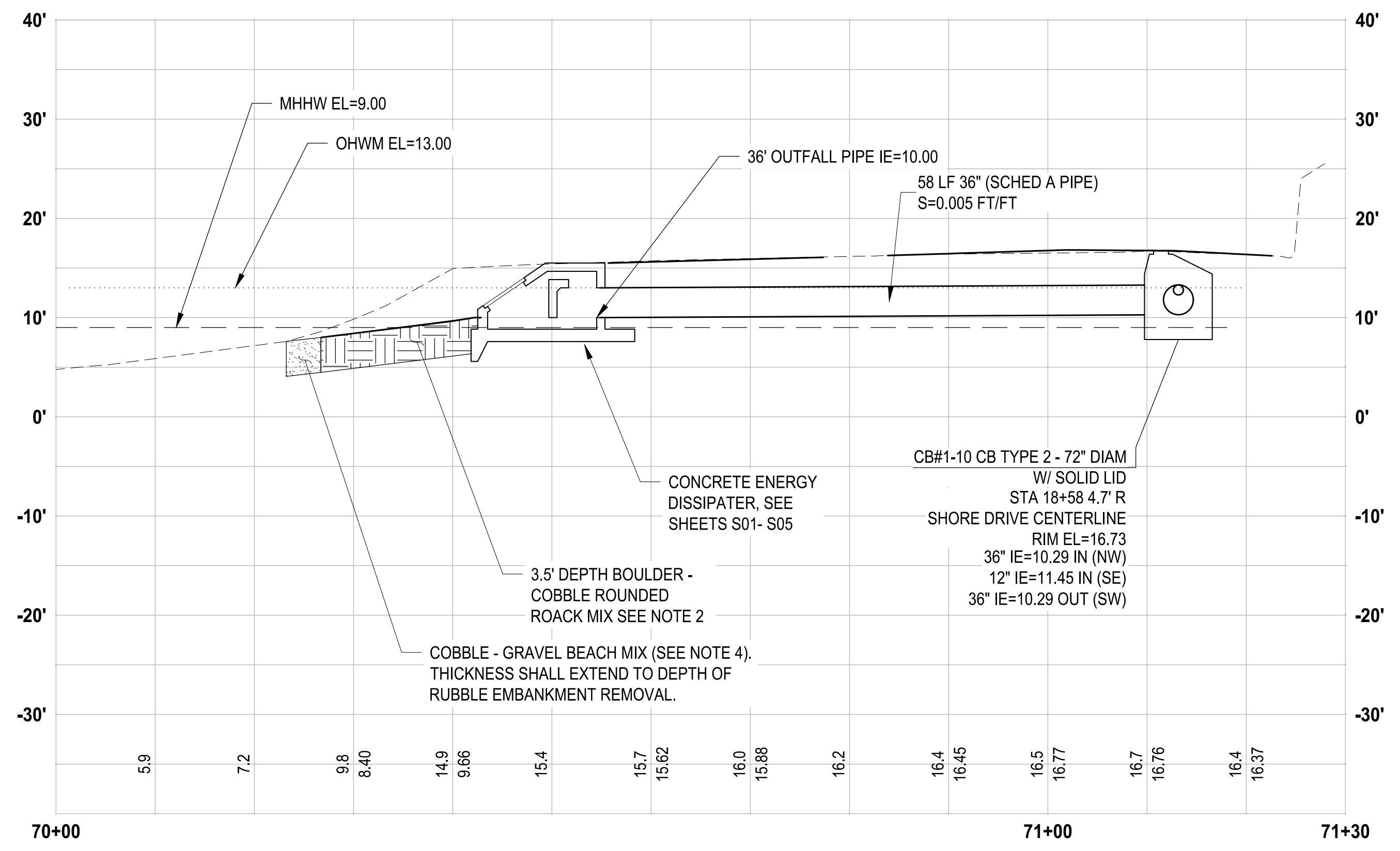
PN: 234-1896-196

PLATE
CR06



- LEGEND:**
- BOULDER - COBBLE ROUNDED ROCK MIX (SEE NOTE 2)
 - SLOPE TRANSITION - ANGULAR ROCK (SEE NOTE 3)
 - COBBLE - GRAVEL BEACH MIX (SEE NOTE 4)
 - FORAGE FISH MIX (SEE NOTE 5)
 - NATIVE VEGETATION PLANTINGS (SEE SHEET LS01)

- NOTES:**
1. PLACE BOULDERS UNDER THE DIRECTION OF THE PROJECT ENGINEER.
 2. BOULDER COBBLE ROUNDED ROCK MIX SHALL BE COMPOSED OF A MIXTURE OF COBBLES AND BOULDERS, TOPPED WITH A 3-INCH MINIMUM THICKNESS FORAGE FISH MIX DRESSING. THE MIXTURE SHALL CONSIST OF:
 - 2.1. 25% BY VOLUME 12" STREAMBED COBBLES PER WSDOT SECTION 9-03.11(4)
 - 2.2. 65% BY VOLUME STREAMBED BOULDERS TYPE ONE, PER WSDOT SECTION 9-03.11(5)
 - 2.3. 10% BY VOLUME STREAMBED BOULDERS TYPE TWO, PER WSDOT SECTION 9-03.11(5)
 - 2.4. THE ABOVE PERCENTAGES EXCLUDE THE 3-INCH MINIMUM THICKNESS FORAGE FISH MIX WHICH SHALL BE PER NOTE 4 BELOW.
 3. SLOPE TRANSITION - ANGULAR ROCK SHALL CONSIST OF 100% BY VOLUME ROCK FOR EROSION AND SCOUR PROTECTION CLASS A PER WSDOT SECTION 9-13.4(2). THIS SECTION SHALL BE UNDERLAIN BY A 12" LAYER OF CRUSHED SURFACING CHOKER COURSE PER SPECIAL PROVISION 9-03.
 4. COBBLE-GRAVEL BEACH MIX SHALL CONSIST OF:
 - 4.1. 30% BY VOLUME STREAMBED SEDIMENT PER WSDOT SECTION 9-03.11(1)
 - 4.2. 70% BY VOLUME 4" STREAMBED COBBLES PER WSDOT SECTION 9-03.11(4)
 5. FORAGE FISH MIX SHALL CONSIST OF:
 - 5.1. 35% BY VOLUME WSDOT STREAMBED SAND PER 9-03.11(3)
 - 5.2. 65% BY VOLUME WSDOT STREAMBED SEDIMENT PER 9-03.11(1).



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. ODEGARD
 WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: C. ODEGARD
 DATE: 10/29/2025

CHECKED BY: B. TUMBLING
 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
SHORELINE RESTORATION PLAN AND PROFILE

SHEET
38 OF 65





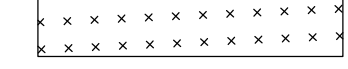
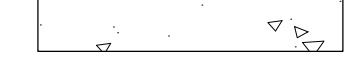

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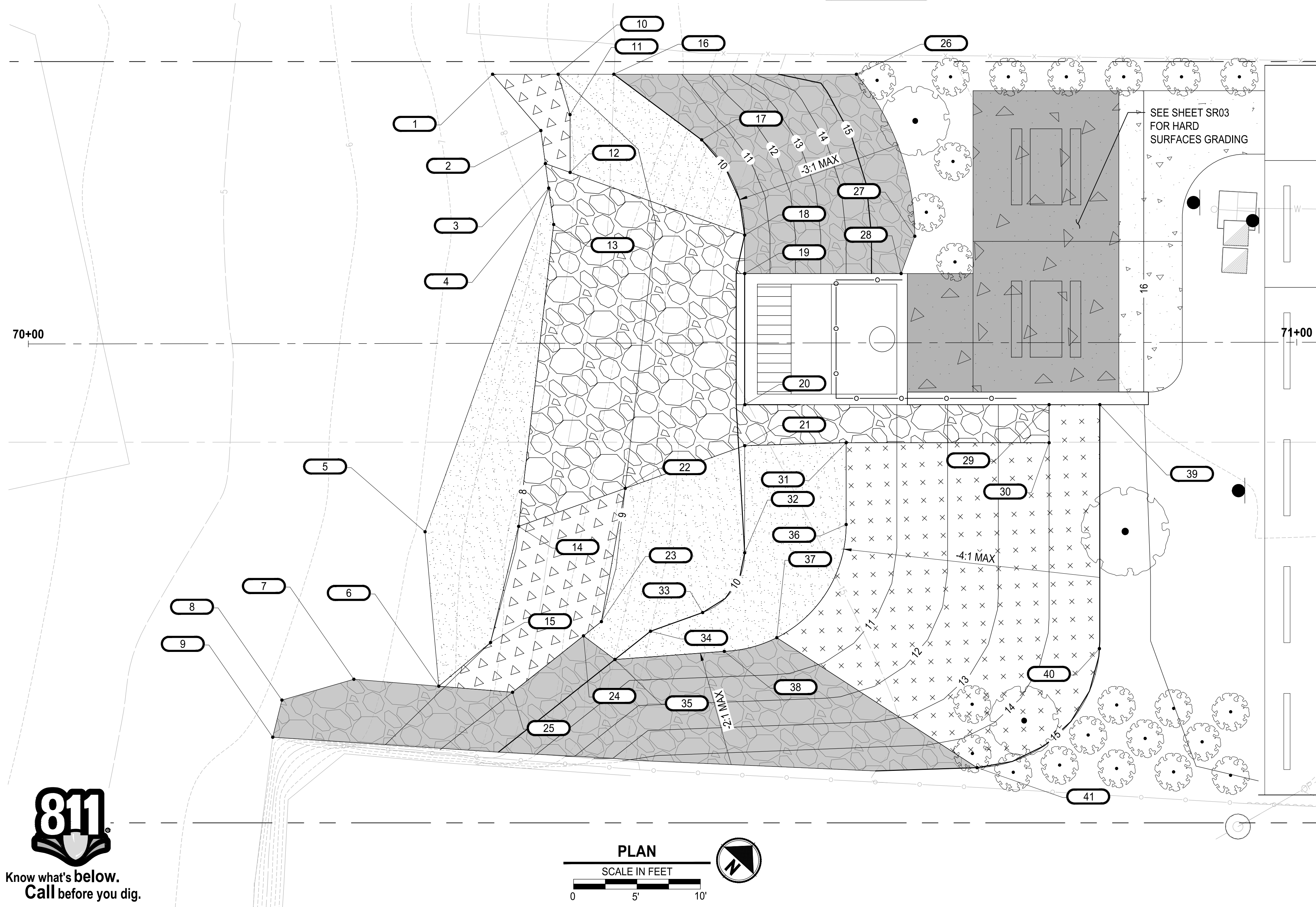
PLATE
SR01

FILE: P:\31696190-SR01 LAYOUT: SR01
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 PLOTTED BY: Akadobus DATE: Wednesday, October 23, 2025 6:10:36 PM

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LEGEND:

-  BOULDER-COBBLE ROUNDED ROCK MIX
-  SLOPE TRANSITION - ANGULAR ROCK
-  COBBLE-GRAVEL BEACH MIX
-  FORAGE FISH MIX (WSDOT STREAMBED SEDIMENT)
-  NATIVE VEGETATION PLANTINGS (SEE SHEET LS01)
-  CEMENT CONCRETE SIDEWALK
-  CAST IN PLACE SLAB (SEE S SHEETS)



POINT TABLE				
POINT #	STATION	OFFSET (SIDE)	ELEVATION	DESCRIPTION
1	70+36.63	21.21 LT	8.00	FFM, ME
2	70+40.43	16.76 LT	8.00	FFM, ME
3	70+40.78	14.16 LT	8.00	BC, FFM, ME
4	70+41.04	12.22 LT	8.00	BC, CG, ME
5	70+31.26	14.84 RT	9.00	CG, ME
6	70+32.32	27.02 RT	9.00	CG, ME, STAR
7	70+25.63	26.46 RT	9.00	ME, STAR
8	70+19.96	28.09 RT	9.00	ME, STAR
9	70+19.23	31.02 RT	9.00	ME, STAR
10	70+41.80	21.20 LT	9.00	CG, FFM, ME
11	70+42.73	18.01 LT	8.60	CG, FFM
12	70+42.73	13.46 LT	8.25	BC, CG, FFM
13	70+41.43	9.36 LT	8.00	BC, FFM
14	70+38.64	14.43 RT	8.00	BC, CG, FFM
15	70+36.41	23.57 RT	8.00	CG, FFM
16	70+46.19	21.19 LT	10.00	FFM, ME, STAR
17	70+53.10	16.01 LT	10.00	FFM, STAR
18	70+56.49	8.50 LT	10.00	BC, FFM, STAR
19	70+56.48	5.47 LT	10.00	BC, OUT, STAR
20	70+56.48	4.86 RT	10.00	BC, OUT
21	70+56.47	8.10 RT	10.00	BC, FFM
22	70+47.04	11.44 RT	9.00	BC, CG, FFM
23	70+45.15	21.95 RT	9.00	CG, FFM
24	70+43.74	23.07 RT	9.00	CG, FFM, STAR
25	70+38.14	27.50 RT	9.00	CG, STAR
26	70+65.31	21.17 LT	15.19	BC, NVP
27	70+69.90	8.40 LT	15.39	BC, NVP
28	70+68.82	5.46 LT	15.41	BC, NVP, OUT
29	70+80.47	4.89 RT	14.00	BC, NVP, OUT
30	70+80.46	7.89 RT	14.00	BC, NVP
31	70+64.46	7.87 RT	10.18	BC, FFM, NVP
32	70+56.45	16.54 RT	10.00	FFM
33	70+53.13	21.24 RT	10.00	FFM
34	70+49.02	22.71 RT	10.00	FFM
35	70+46.21	24.93 RT	10.00	NVP, OUT
36	70+64.46	14.32 RT	10.00	FFM, NVP
37	70+58.97	23.23 RT	10.01	FFM, NVP, STAR
38	70+54.83	24.30 RT	10.00	FFM, STAR
39	70+84.47	4.90 RT	15.00	NVP
40	70+84.40	24.12 RT	15.00	NVP
41	70+74.75	33.49 RT	15.00	NVP, STAR

NOTES:

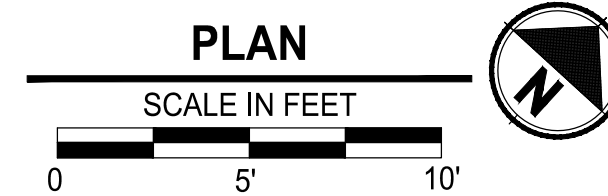
1. STREAMBED BOULDERS IN THE BOULDER-COBBLE ROUNDED ROCK MIX SHALL BE PLACED PER COASTAL ENGINEER'S DIRECTION.

ABBREVIATIONS:

- BC = BOULDER - COBBLE ROUNDED ROCK MIX
- CG = COBBLE - GRAVEL BEACH MIX
- FFM = FORAGE FISH MIX (WSDOT STREAMBED SEDIMENT)
- ME = MATCH EXISTING
- NVP = NATIVE VEGETATION PLANTINGS (SEE SHEET LS01)
- OUT = OUTFALL STRUCTURE
- STAR = SLOPE TRANSITION - ANGULAR ROCK



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. ODEGARD DRAWN BY: C. ODEGARD CHECKED BY: B. TUMBLING
WA P.E.# N/A DATE: 10/29/2025 DATE: 10/29/2025 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.





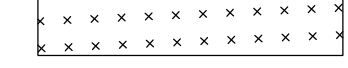
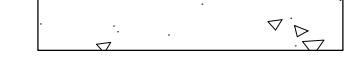

EAST 9TH STREET STORMWATER IMPROVEMENTS
SHORELINE RESTORATION GRADING

SHEET
39 OF 65
PLATE
SR02

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FILE: P:\31696190-SR01... DATE: Wednesday, October 29, 2025 6:10:44 PM

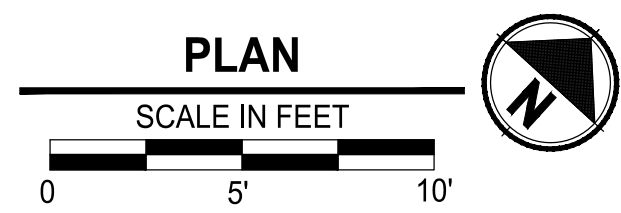
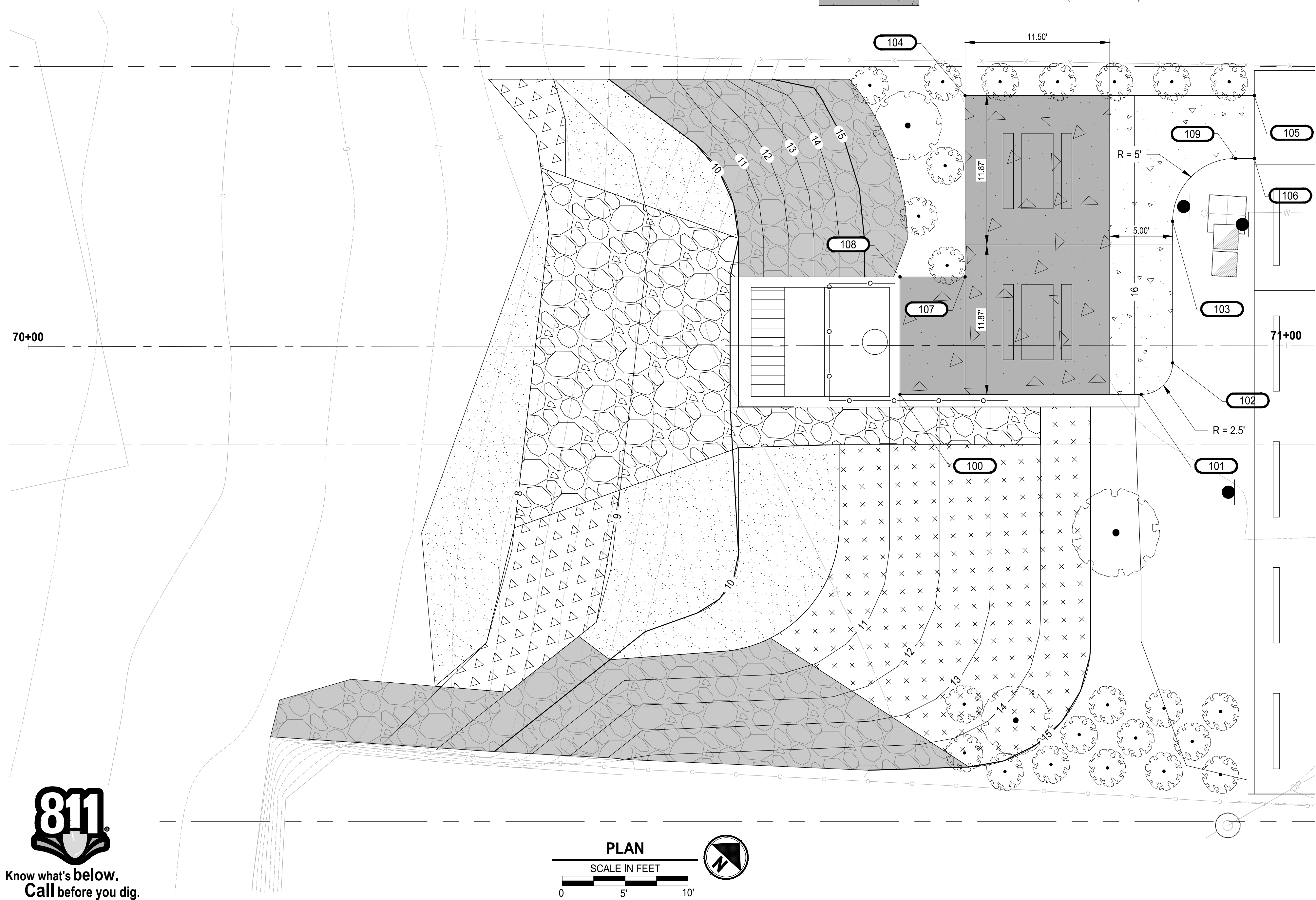
LEGEND:

-  BOULDER-COBBLE ROUNDED ROCK MIX
-  SLOPE TRANSITION - ANGULAR ROCK
-  COBBLE-GRAVEL BEACH MIX
-  FORAGE FISH MIX (WSDOT STREAMBED SEDIMENT)
-  NATIVE VEGETATION PLANTINGS (SEE SHEET LS01)
-  CEMENT CONCRETE SIDEWALK
-  CAST IN PLACE SLAB (SEE S SHEETS)

POINT TABLE				
POINT #	STATION	OFFSET (SIDE)	ELEVATION	DESCRIPTION
100	70+69.30	3.88 RT	15.50	CS, PC,
101	70+88.47	3.90 RT	16.01	CS, L, PC
102	70+90.98	1.41 RT	16.08	CS, L, PT
103	70+90.99	9.84 LT	16.08	CS, L, PC
104	70+74.50	19.86 LT	15.64	CS, L, PT
105	70+97.50	19.83 LT	16.28	CS, L, PT
106	70+97.50	14.83 LT	16.25	CS, L, PT
107	70+74.48	5.45 LT	15.64	CS, L, PT
108	70+69.32	5.46 LT	15.50	CS, L, PT
109	70+96.00	14.83 LT	16.21	CS, L, PT

NOTES:

1. STREAMBED BOULDERS IN THE ABBREVIATIONS:
- AP = ANGLE POINT
 - BC = BOULDER - COBBLE ROUNDED ROCK MIX
 - CG = COBBLE - GRAVEL BEACH MIX
 - CS = CONCRETE SIDEWALK
 - FFM = FORAGE FISH MIX (WSDOT STREAMBED SEDIMENT)
 - L = LANDSCAPE PLANTINGS (SEE SHEET LS01)
 - ME = MATCH EXISTING
 - MO = MATCH TOP OF OUTFALL STRUCTURE
 - MW = MATCH TOP OF WALL
 - NVP = NATIVE VEGETATION PLANTINGS (SEE SHEET LS01)
 - OUT = OUTFALL STRUCTURE
 - PC = POINT OF CURVATURE
 - PT = POINT OF TANGENCY
 - STAR = SLOPE TRANSITION - ANGULAR ROCK



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CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. ODEGARD DRAWN BY: C. ODEGARD CHECKED BY: B. TUMBLING
WA P.E.# N/A DATE: 10/29/2025 DATE: 10/29/2025 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

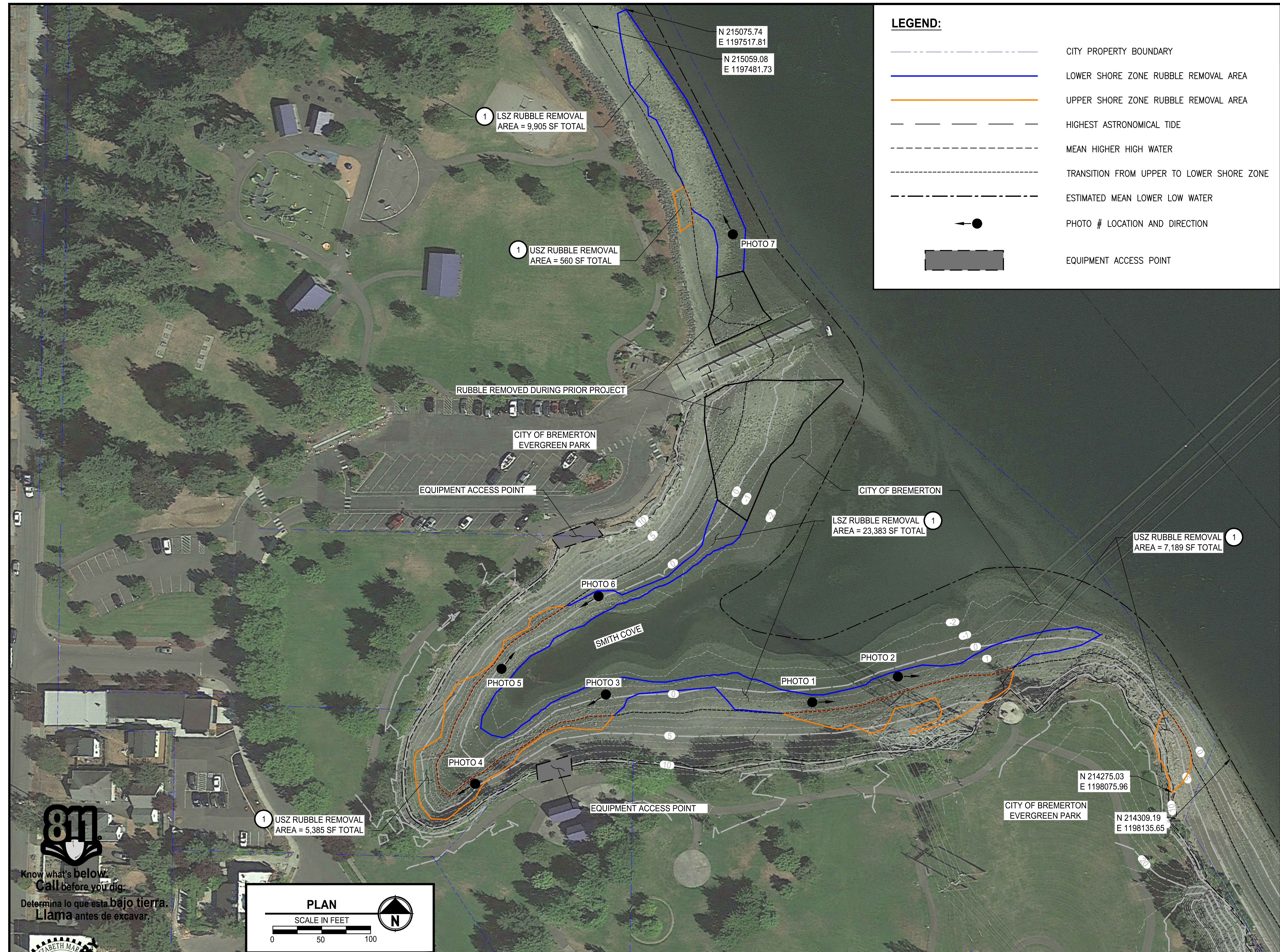
GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
SHORELINE RESTORATION GRADING

SHEET
40 OF 65
PN: 234-1896-196
PLATE
SR03

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FILE: P:\31696190-SR03 LAYOUT: SR03 PATH: U:\P30\Projects\Clients\1896-CityOfBremerton\234-1896-196 EGIS\Stormwater\Improv\995\cs\CAD\DWG PLOTTED BY: Akedabus DATE: Wednesday, October 23, 2025 6:10:50 PM



LEGEND:

- CITY PROPERTY BOUNDARY
- LOWER SHORE ZONE RUBBLE REMOVAL AREA
- UPPER SHORE ZONE RUBBLE REMOVAL AREA
- HIGHEST ASTRONOMICAL TIDE
- MEAN HIGHER HIGH WATER
- TRANSITION FROM UPPER TO LOWER SHORE ZONE
- ESTIMATED MEAN LOWER LOW WATER
- PHOTO # LOCATION AND DIRECTION
- EQUIPMENT ACCESS POINT

- GENERAL NOTES:**
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THIS PLAN AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY BREMERTON'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THIS PLAN SHALL BE COMPLETED TO THE SATISFACTION OF BREMERTON PRIOR TO ACCEPTANCE OF THE WORK.
 - A COPY OF THESE APPROVED PLANS AND THE PROJECT'S SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
 - ANY REVISIONS MADE TO THIS PLAN MUST BE REVIEWED AND APPROVED IN WRITING BY THE ENGINEER AND BREMERTON PRIOR TO IMPLEMENTATION IN THE FIELD.
 - THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
 - THE LOCATION OF KNOWN EXISTING UTILITIES SHOWN ARE APPROXIMATE; TAKEN FROM UTILITY LOCATE MARKINGS AND/OR AVAILABLE RECORD INFORMATION AT THE TIME OF DESIGN. EXACT LOCATION AND DEPTH OF UTILITIES ARE UNKNOWN AND SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BY POT-HOLING PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED DUE TO FAILURE TO LOCATE AND PRESERVE EXISTING UTILITIES.
 - THE CONTRACTOR SHALL INSTALL, TEMPORARILY COVER, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION.
 - RED-LINED MARKUPS MUST BE SUBMITTED PRIOR TO PROJECT ACCEPTANCE AND MAKING OF FINAL PAYMENT.
 - THE CONTRACTOR IS RESPONSIBLE FOR FULL RESTORATION OF ALL EXISTING FEATURES DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION UNLESS OTHERWISE INDICATED BY THE ENGINEER.
 - THE CONTRACTOR SHALL MEET THE CONDITIONS OF ALL PROJECT PERMITS AND LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.
 - REFERENCES TO "CITY", "ENGINEER", "CITY ENGINEER", "BREMERTON", AND "OWNER" ARE USED INTERCHANGEABLY AND REFER TO THE CITY OF BREMERTON AND ITS AUTHORIZED REPRESENTATIVES. "PROPERTY OWNER" IS USED WHEN REFERRING TO OWNERS OF PRIVATE PROPERTY.

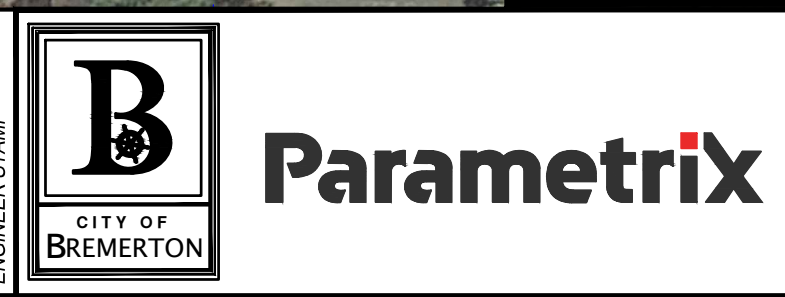
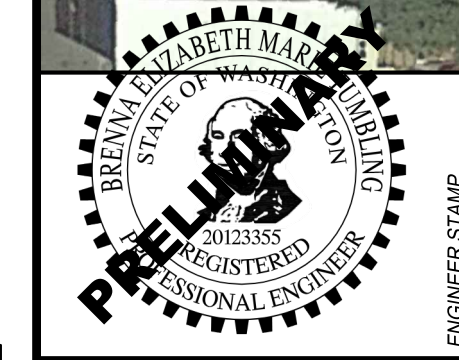
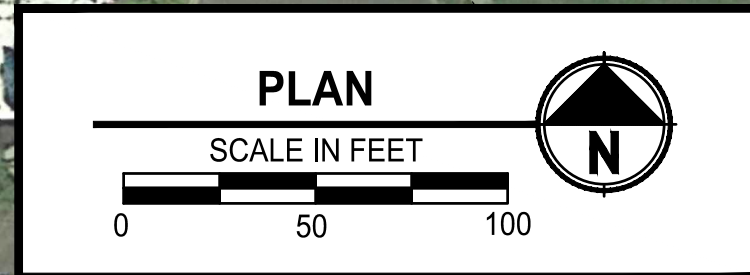
- TESC NOTES:**
- PROTECT EXISTING STORM WATER INFRASTRUCTURE ON EXISTING ROADS NEAR CONSTRUCTION ENTRANCES FROM SEDIMENT-LADEN RUNOFF.
 - WHEN TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ARE NO LONGER NEEDED, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THEM AND RESTORE OR FINISH THE AREAS UNLESS OTHERWISE DIRECTED BY THE OWNER.
 - THE TEMPORARY EROSION CONTROL SYSTEM SHALL BE INSTALLED PRIOR TO ALL OTHER CONSTRUCTION.
 - AS CONSTRUCTION PROGRESSES AND SEASONAL CONDITIONS DICTATE, THE EROSION CONTROL FACILITIES SHALL BE MAINTAINED AND/OR ALTERED AS REQUIRED BY THE CITY ENGINEER TO INSURE CONTINUING EROSION/SEDIMENTATION CONTROL.
 - ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL CLEARING AND/OR CONSTRUCTION IS COMPLETED. PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.
 - THE PUBLIC RIGHT-OF-WAY SHALL BE KEPT CLEAN. TRACKING OF MUD AND DEBRIS FROM THE SITE ONTO THE PUBLIC RIGHT-OF-WAY WILL NOT BE ALLOWED. FAILURE TO COMPLY WITH THIS CONDITION WILL RESULT IN ALL WORK ON THE SITE BEING STOPPED.
 - CLEANUP AND RESTORATION; THE FOLLOWING PROCEDURES SHALL BE FOLLOWED IN CLEANING AND RESTORING THE CONSTRUCTION SITE:
 - STREET SHALL BE SWEEPED FOR CONSTRUCTION DEBRIS AND DUST REMOVAL TWICE WEEKLY OR WHEN DIRECTED BY THE ENGINEER. IF THIS ACTIVITY IS NEGLECTED, THE CITY WILL CONTRACT WITH A SWEEPING COMPANY FOR THE WORK AND DEDUCT THE INVOICE AMOUNT PLUS 25% MARKUP FROM THE CONTRACTORS BILLING.
 - ANY DEBRIS INCLUDING ROCKS, COBBLES, DIRT, AND SILT OF DOWNSTREAM DRAINAGE FACILITIES, WHETHER DITCHES OR PIPE AND CATCH BASINS, WHICH RESULTS FROM THE CONSTRUCTION, SHALL BE CLEANED OUT.
 - TEMPORARY AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE LATEST EDITION OF THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (SMMWW).

CONSTRUCTION NOTES:

- REMOVE BEACH DEBRIS INCL. HAUL - REMOVE ANGULAR ROCK/RUBBLE/DEBRIS IN UPPER AND LOWER SHORE ZONE PER ENGINEER

**90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. ODEGARD
WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: C. ODEGARD
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS

**SMITH COVE
MITIGATION PLAN**

SHEET
41 OF 65

PN: 234-1896-196
PLATE
MIT01

FILE: P:\96196\MIT01\2025 LAYOUT: MIT01 DATE: Wednesday, October 29, 2025 8:41:45 PM PLOTTED BY: Akodubos



PHOTO 1



PHOTO 2



PHOTO 3

- GENERAL NOTES:**
1. REMOVE ALL ANGULAR ROCK, CONCRETE AND ASPHALT DEBRIS 6" DIA. OR GREATER FROM UPPER AND LOWER SHORELINE ZONES USING HAND TOOLS AND TRACKED EQUIPMENT OPERATING FROM THE BEACH DURING LOW TIDE CONDITIONS.
 2. CONDUCT ALL RUBBLE REMOVAL ACTIVITIES BETWEEN JULY 16 AND AUGUST 31, 2026.
 3. ALL WORK BELOW ORDINARY HIGH WATER SHALL BE COMPLETE BY AUGUST 31, 2026.
 4. DISPOSE OF ALL RUBBLE AT CITY APPROVED OFF SITE LOCATION. RESTORE SLOPE AND VEGETATION AT EQUIPMENT ACCESS POINTS TO ORIGINAL CONDITION OR BETTER.
 5. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPs PRIOR TO COMMENCING WORK AND MAINTAIN BMPs THROUGHOUT WORK PERIOD CONSISTENT WITH THE PROJECT SPECIFICATIONS, CITY OF BREMERTON REGULATIONS AND THE MOST CURRENT VERSIONS OF STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.



PHOTO 4



PHOTO 5



PHOTO 6

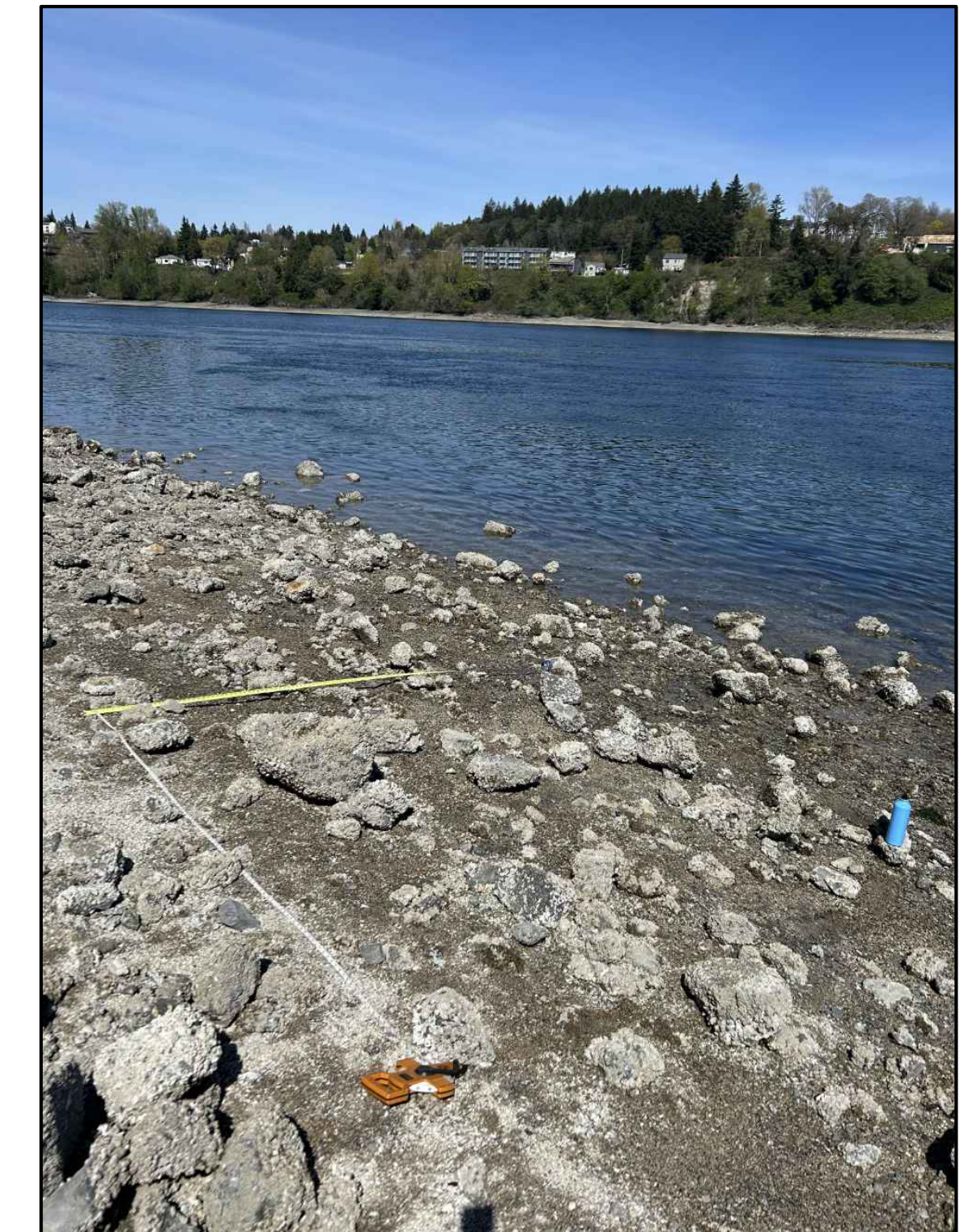
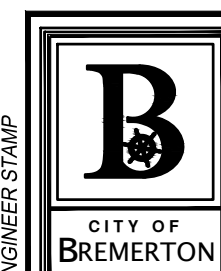


PHOTO 7



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Parametrix

NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. ODEGARD
WA P.E.# N/A DATE: 10/29/2025

DRAWN BY: C. ODEGARD
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS

SMITH COVE
MITIGATION SITE - PHOTOS AND NOTES

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

SHEET
42 OF 65

PN: 234-1896-196

PLATE
MIT02

GENERAL NOTES FOR THE CONCRETE OUTFALL

1. ANY DISCREPANCY FOUND AMONG THESE DRAWINGS, NOTES, AND SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING, ANY WORK DONE BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE CONTRACTORS RISK. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH AY WORK OR FABRICATION. THE CONTRACTOR IS RESPONSIBLE FOR ALL FORMWORK AND TEMPORARY CONSTRUCTION SHORING
2. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATION FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2026 AND AMENDMENTS.
3. THESE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. NOTIFY THE ENGINEER OF ANY DISCREPANCY.
4. GEOTECHNICAL RECOMMENDATIONS ARE CONTAINED IN FINAL GEOTECHNICAL REPORT BY GEOSYNTEC CONSULTANTS, INC DATED JUNE 19, 2025.
5. EXISTING GROUND LINE IS APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
6. ALL DIMENSIONS, LOCATIONS, AND ELEVATIONS OF EXISTING STRUCTURES AND UTILITIES SHOWN IN THE DRAWINGS ARE FOR REFERENCE ONLY AND SHALL BE FIELD VERIFIED.

DESIGN CRITERIA

LIVE LOAD.....90 PSF

SEISMIC LOADS
 SITE CLASS = D, LOCATION KITSAP COUNTY, ASSUMED MAX VALUES
 $S_s = 1.609$ $S_1 = 0.562$
 $S_{1.0} = 1.287$ $S_{0.1} = N/A$
 SEISMIC DESIGN CATEGORY = D

SITE WORK

EXCAVATE AS REQUIRED TO CAST THE CONCRETE OUTFALL. OVER EXCAVATION SHALL BE BACKFILLED WITH STRUCTURAL FILL AT THE CONTRACTORS EXPENSE. EXERCISE EXTREME CARE DURING EXCAVATION TO AVOID DAMAGE TO BURIED LINES AND OTHER CONCEALED ITEMS. UPON DISCOVERY, DO NOT PROCEED WITH WORK UNTIL RECEIVING WRITTEN INSTRUCTIONS FROM THE ENGINEER

INSPECTIONS

CONTRACTOR SHALL BE RESPONSIBLE FOR REQUESTING AND COORDINATING REQUIRED BUILDING DEPARTMENT INSPECTIONS. IN ADDITION, SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE TABLE ON THIS SHEET. THESE INSPECTIONS SHALL BE PERFORMED BY A CURRENTLY WABO CERTIFIED INSPECTOR UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER.

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OF RECORD, AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR CORRECTION. THEN, IF NOT BROUGHT INTO CONFORMANCE, NOTIFY ENGINEER OF RECORD AND THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR SHALL SUBMIT A SEALED FINAL REPORT BY A REGISTERED PROFESSIONAL ENGINEER STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC.

GENERAL REQUIREMENTS

REFER TO CIVIL SHEETS FOR PIPING, EQUIPMENT LOCATION, ETC.

SUBMIT ALL REQUIRED SHOP DRAWINGS AND RECEIVE THEIR SATISFACTORY REVIEW FROM THE ENGINEER, PRIOR TO FABRICATION.

PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE AND ADJACENT STRUCTURES, DURING ALL PHASES OF CONSTRUCTION.

BACKFILLING OF THE OUTFALL WALLS IS ACCEPTABLE PRIOR TO POURING OR PLACING THE TOP SLAB.

SHORING AND TEMPORARY SUPPORTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

STRUCTURAL CONCRETE

DESIGN STRENGTH
 ALL CAST-IN-PLACE CONCRETE, UNLESS OTHERWISE NOTED, SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH $F'_c=4000$ PSI ALL GROUT, IF REQUIRED, SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH $F'_c=7000$ PSI.

REINFORCING
 REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60.

REINFORCING STEEL FOR WELDED APPLICATIONS SHALL BE IN ACCORDANCE WITH ASTM A706, GRADE 60.

CONCRETE COVER
 CONCRETE COVER FOR REINFORCING BARS, EXCEPT AS NOTED:
 FOOTINGS AND MATS (CAST AGAINST SOIL).....3"
 CONCRETE IN CONTACT WITH SOIL, WEATHER.....2"
 CONCRETE NOT EXPOSED TO SOIL, WEATHER.....1 1/2"

PROVIDE 3/4" CHAMFER AT ALL EXPOSED EDGES AND OUTSIDE CORNERS.

CORNER BARS
 ALL BARS SHALL BE CONTINUOUS AROUND CORNERS USING CORNER BARS SEE SHEET S3 FOR ADDITIONAL DETAILS

BAR SPLICES
 LAP SPLICES SHALL CONFIRM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND WSDOT STANDARD SPECIFICATIONS.

ADHESIVE / EPOXY ANCHORS
 ANCHOR BOLTS SHALL BE STAINLESS STEEL COMPLYING WITH AISI 304. ANCHORS SHALL BE INSTALLED INTO DRILLED HOLES USING CODE-APPROVED ADHESIVE ANCHORING MATERIALS. MINIMUM EMBEDMENT SHALL BE 8 TIMES ROD DIAMETER.

STEEL

MATERIALS:
 SHAPES AND PLATES ASTM A992 OR A36
 TUBES (HSS) ASTM A500, GRADE B
 PIPES ASTM A53, GRADE B

WELDING:
 ALL WELDING SHALL CONFORM TO AWS D1.1 WELDING CODE MINIMUM SIZE WELD SHALL BE 3/16" CONTINUOUS FILLET, UNLESS NOTED OTHERWISE.
 ALL STEEL SURFACES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111.

SPECIAL INSPECTION SCHEDULE

ITEM	CI	PI	REMARKS/REFERENCES
GENERAL:			
PREFABRICATED ITEMS		X	
SITE PREPARATION, FILL PLACEMENT, SOIL COMPACTION	NA		BY GEOTECHNICAL ENGINEER OR AN APPROVED TESTING AGENCY
CONCRETE:			IBC TABLE 1705.3, ACI 318-2014
REINFORCING MATERIALS & PLACEMENT		X	ASTM AS NOTED, ACI 318 CHAPTER 20.25 & 26.6
WELDING - REINFORCING		X	AWS D1.4
ANCHOR RODS, EMBEDDED BOLTS & INSERTS	X		PRIOR TO AND DURING CONCRETE PLACEMENT
POST-INSTALLED ANCHORS, IF APPLICABLE			ACI 318 26.7
ADHESIVE ANCHORS	X		ACI 318 17.8.2.4
MECHANICAL ANCHORS		X	ACI 318 17.8.2
USE OF REQUIRED MIX DESIGN		X	ACI 318 26.4
CONCRETE SLUMP, AIR CONTENT, TEMPERATURE & TEST SPECIMENS	X		WHILE MAKING SPECIMENS FOR STRENGTH TESTS, ACI 318 5.6
CONCRETE PLACEMENT	X		ACI 318 5.9, 5.10
CONCRETE CURING		X	ACI 318 5.11, 5.13

INSPECTION SCHEDULE NOTES

1. ITEMS MARKED WITH AN "X" REQUIRE INSPECTION BY A SPECIAL INSPECTOR APPROVED BY THE BUILDING OFFICIAL.
2. ITEMS MARKED "NA" ARE NOT APPLICABLE TO THIS PROJECT.
3. CI = CONTINUOUS INSPECTION DURING PROGRESS OF WORK BY SPECIAL INSPECTOR.
4. PI = PERIODIC INSPECTION BY SPECIAL INSPECTOR AS REQUIRED TO CONFIRM CONFORMANCE OF WORK.
5. TESTING AND INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER, BUILDING OFFICIAL AND CONTRACTOR.

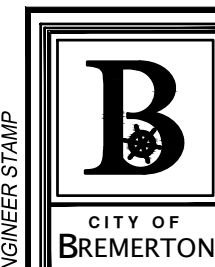
STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT
BOT	BOTTOM
CIP	CAST IN PLACE
CJ	CONSTRUCTION OR CONTROL JOINT
C/L	CENTERLINE
CLR	CLEAR
CONC	CONCRETE
CONST	CONSTRUCTION
DL	DEAD LOAD
DWL	DOWEL
EA	EACH
EF	EACH FACE
EI	ELEVATION
EW	EACH WAY
EXP JT	EXPANSION JOINT
FDN	FOUNDATION
FS	FAR SIDE
FT	FEET
FTG	FOOTING
GALV	GALVANIZED
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IF	INSIDE FACE
IN	INCH
INT	INTERIOR
LD	LOAD
LF	LINEAL FOOT
LL	LIVE LOAD
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON-CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
REINF	REINFORCING
REQD	REQUIRED
SF	SQUARE FOOT
STD	STANDARD
STIR	STIRRUP
STL	STEEL
SYM	SYMMETRICAL
T	TOP
T&B	TOP AND BOTTOM
OR	EQUIVALENT
W/	WITH
W/O	WITHOUT

LAP SPLICE TABLE	
BAR SIZE	CONCRETE f _c = 4,000 or 5,000 psi
#3	19"
#4	25"
#5	31"
#6	37"
#7	48"
#8	55"
#9	62"
#10	69"



Know what's below.
 Call before you dig.
 Determina lo que esta bajo tierra.
 Llama antes de excavar.



Parametrix

NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

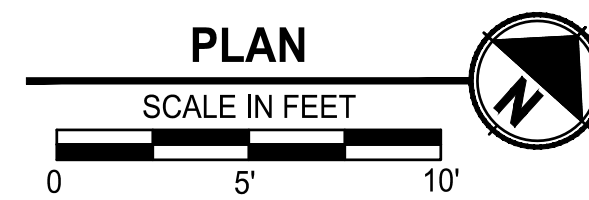
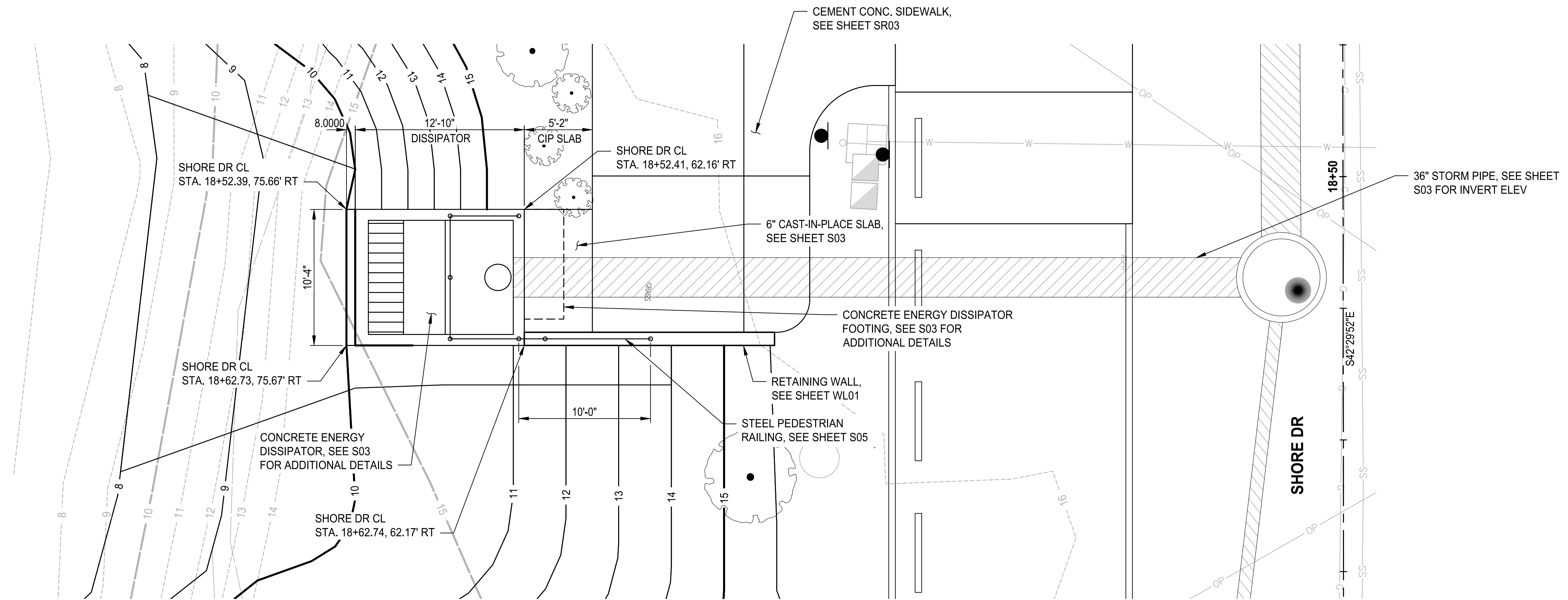
DESIGN BY: S.WAGNER
 WA P.E.# 18711 DATE: 10/29/2025
 DRAWN BY: M.TUMANOV
 DATE: 10/29/2025
 CHECKED BY: J.LINKE
 WA P.E.# 56738 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.
 GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
OUTFALL DETAILS

SHEET
43 OF 65
 PN: 234-1896-196
 PLATE
S01

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 NOT FOR CONSTRUCTION



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 ENGINEERING DIVISION

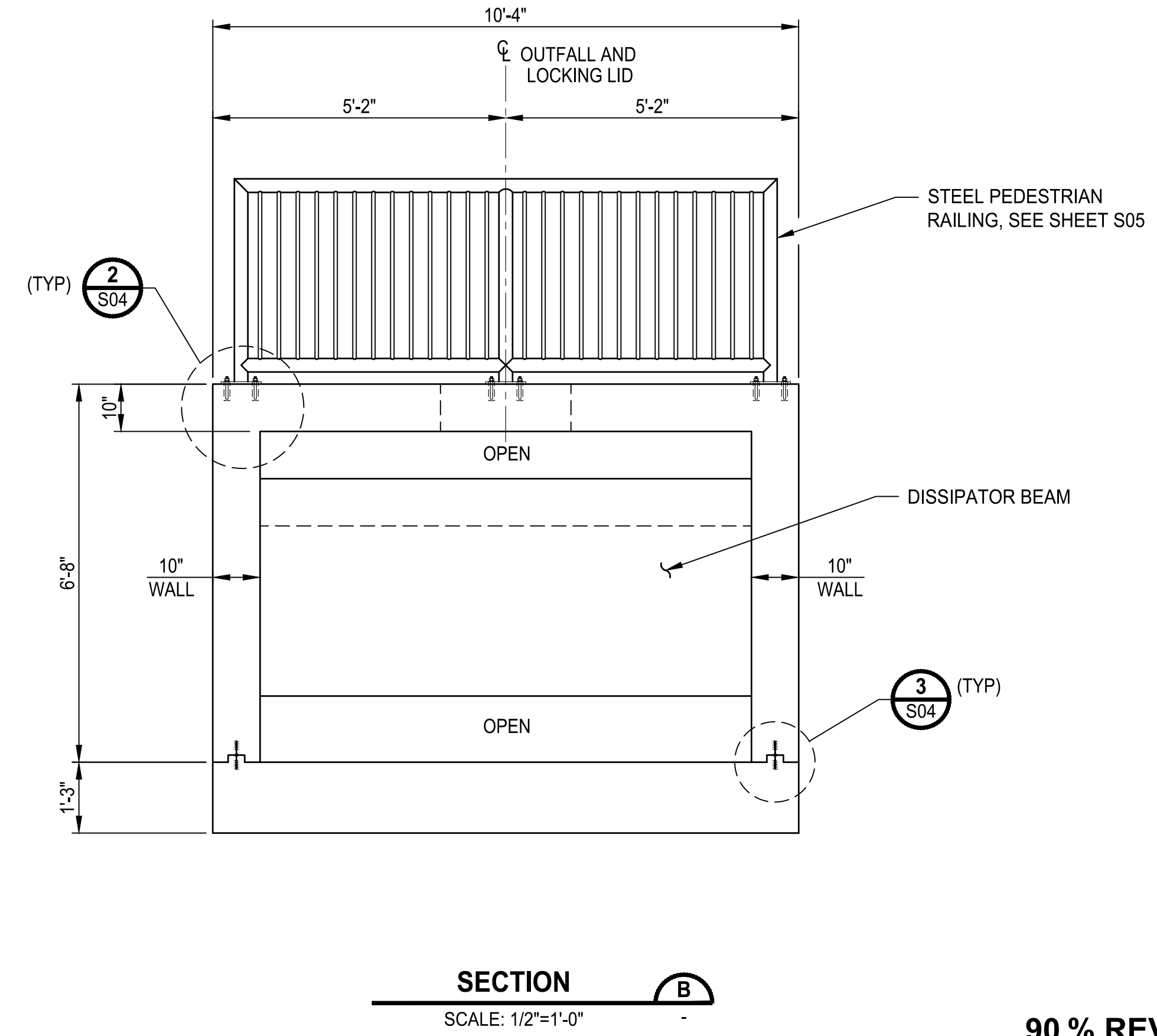
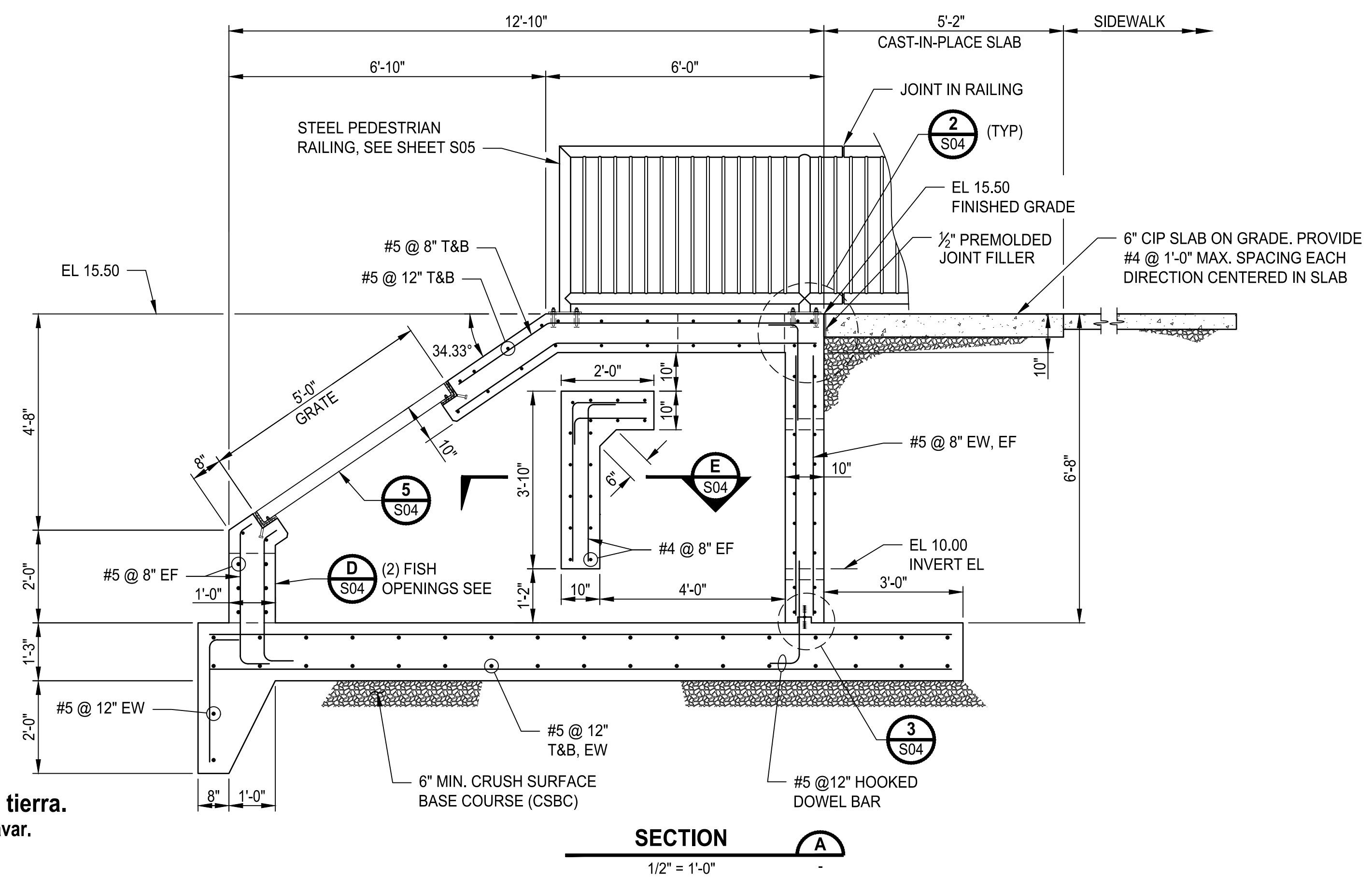
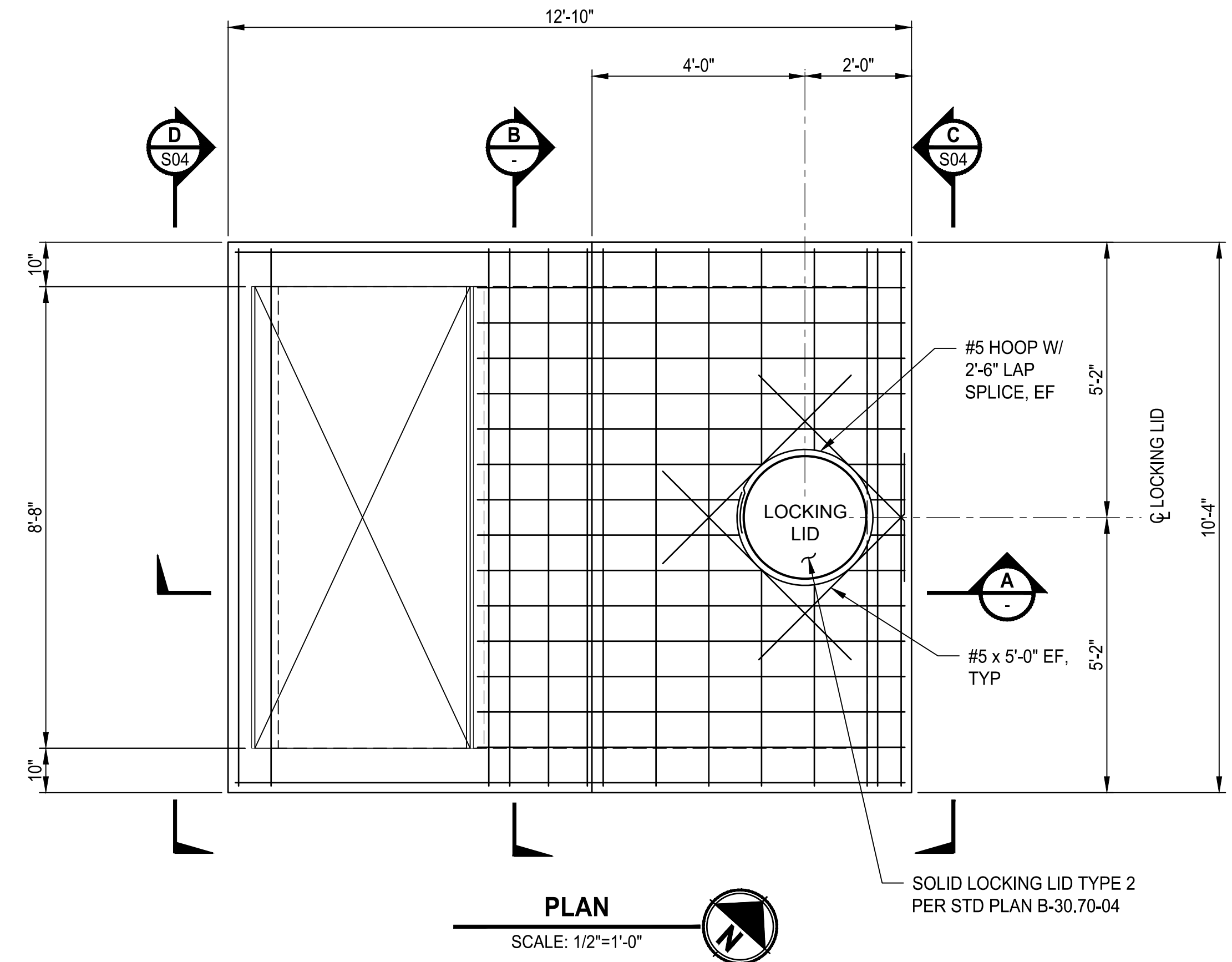
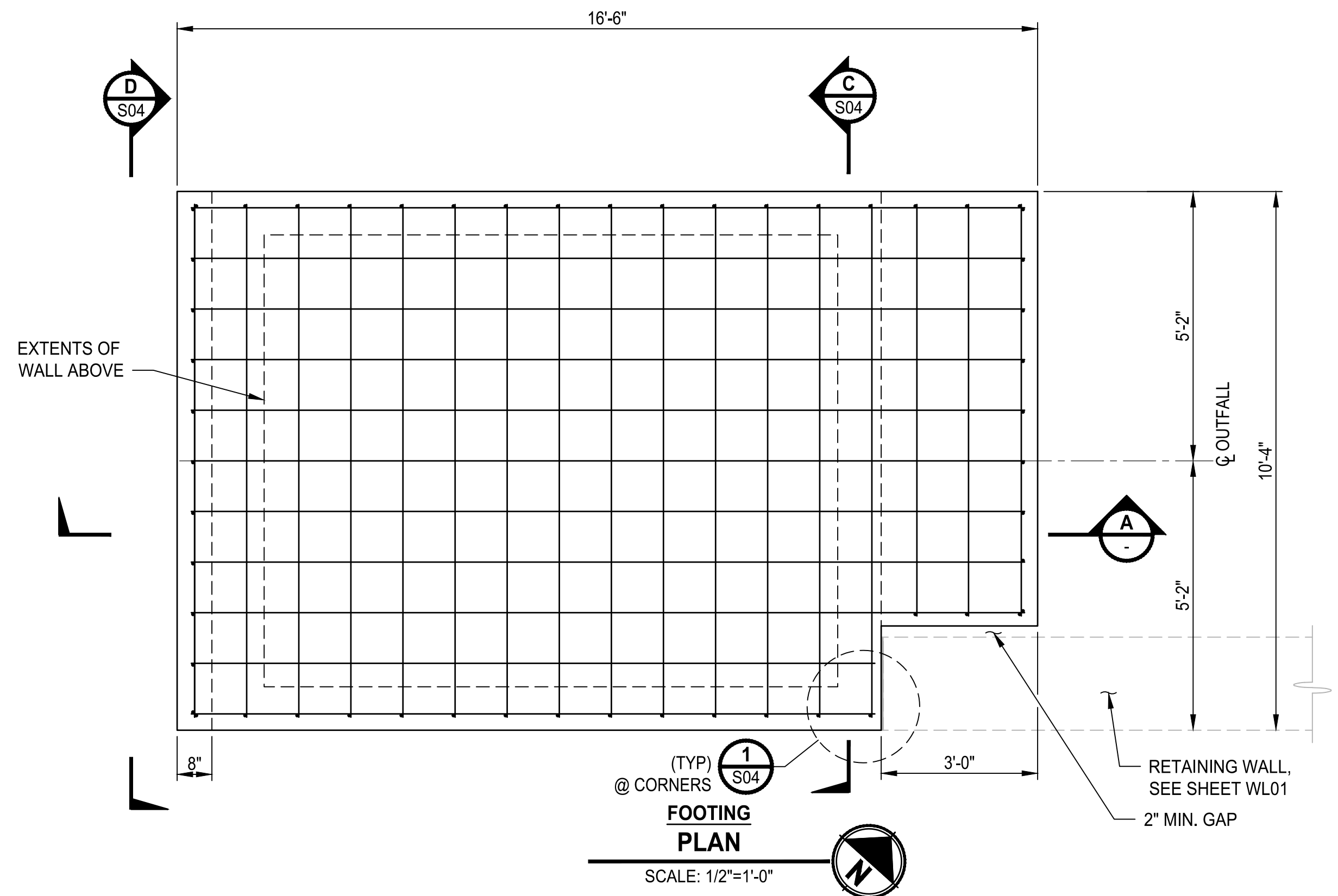
DESIGN BY: S.WAGNER DRAWN BY: M.TUMANOV CHECKED BY: J.LINKE
 WA P.E.# 18711 DATE: 10/29/2025 DATE: 10/29/2025 WA P.E.# 56738 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.
 GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
OUTFALL DETAILS

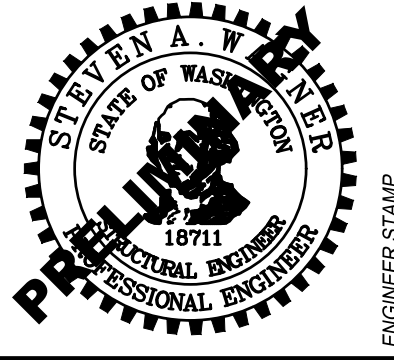
SHEET
44 OF 65
 PN: 234-1896-196
 PLATE
S02

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 ENGINEERING DIVISION

DESIGN BY: S.WAGNER
 WA P.E.# 18711 DATE: 10/29/2025

DRAWN BY: M.TUMANOV
 DATE: 10/29/2025

CHECKED BY: J.LINKE
 WA P.E.# 56738 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

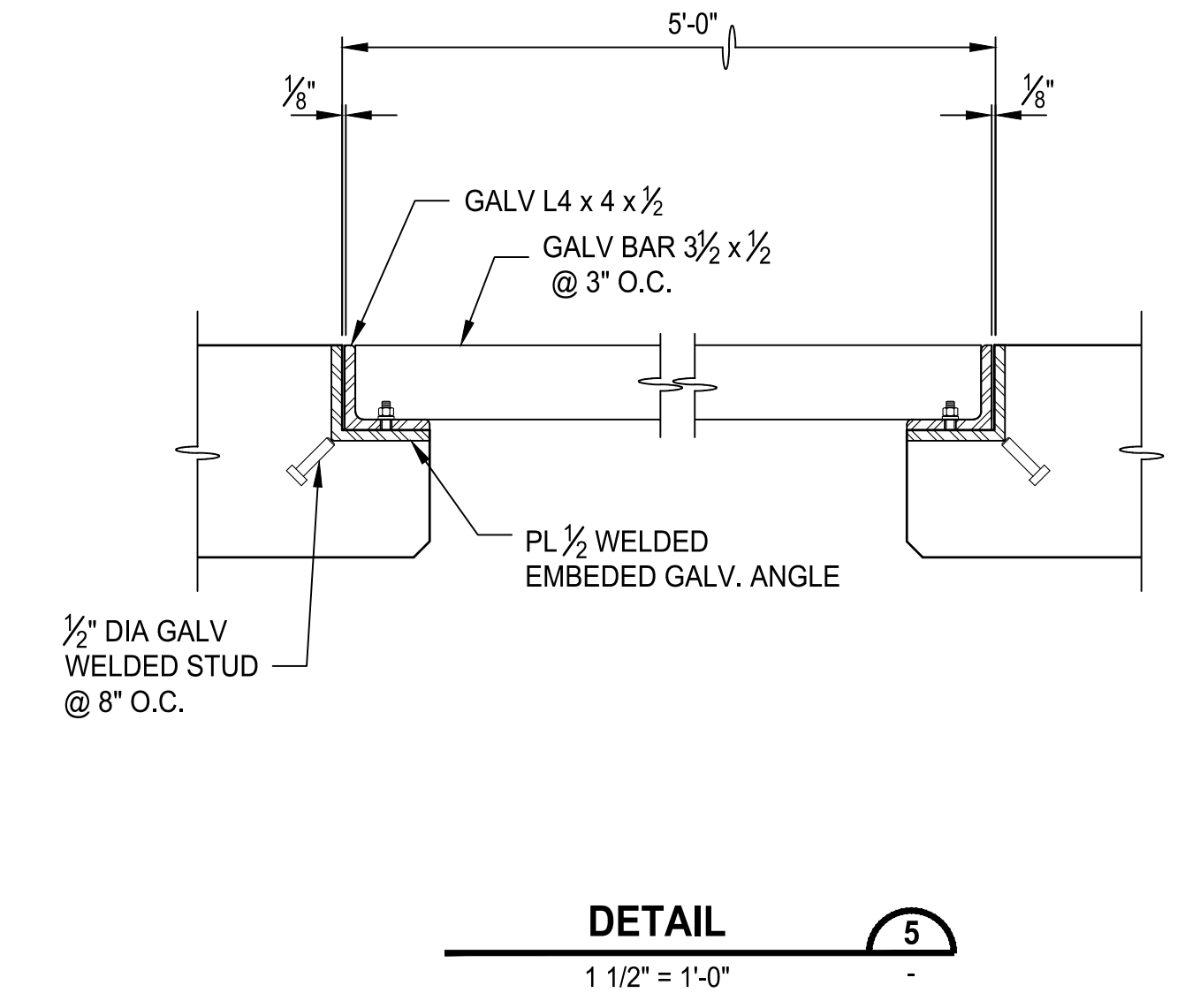
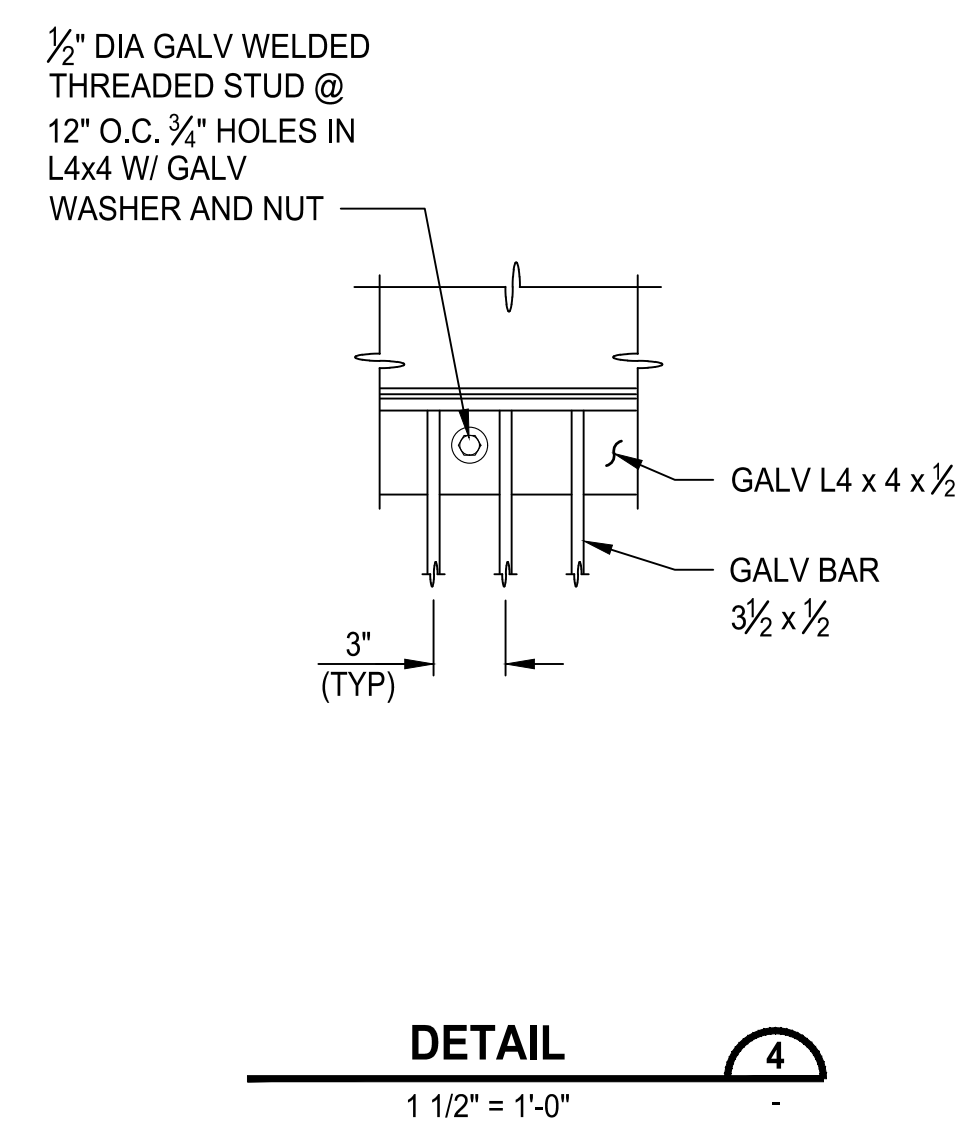
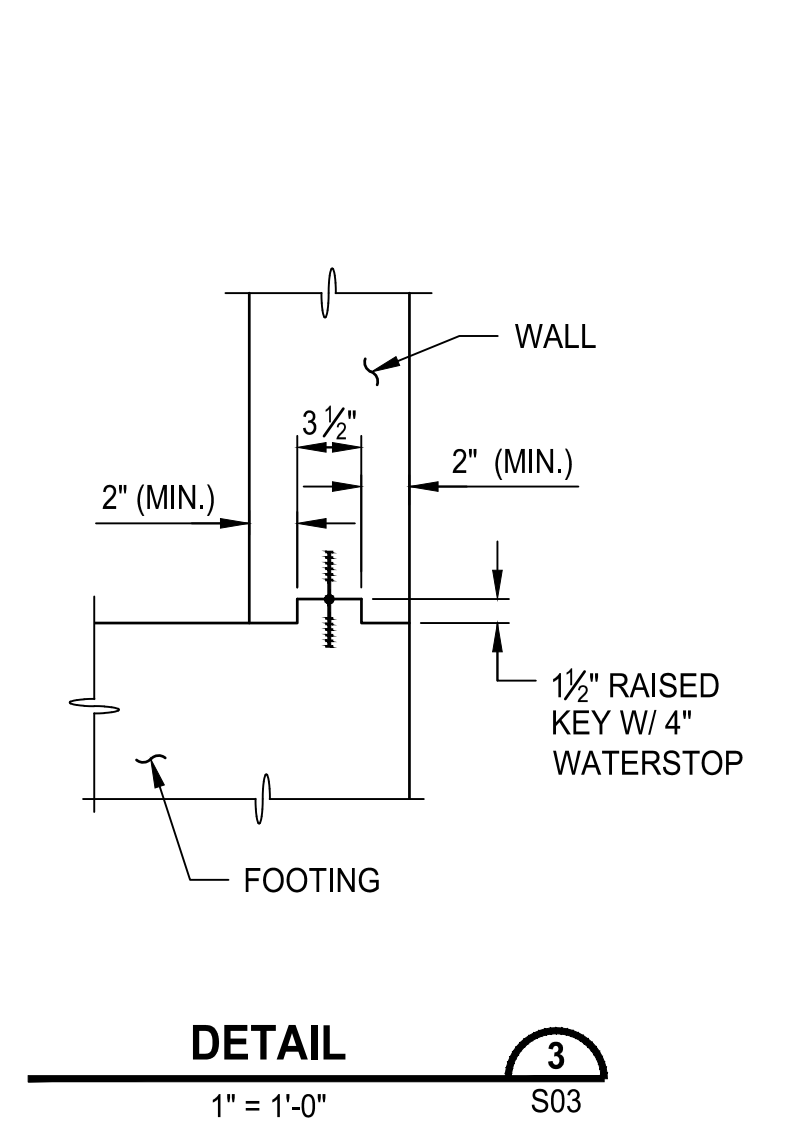
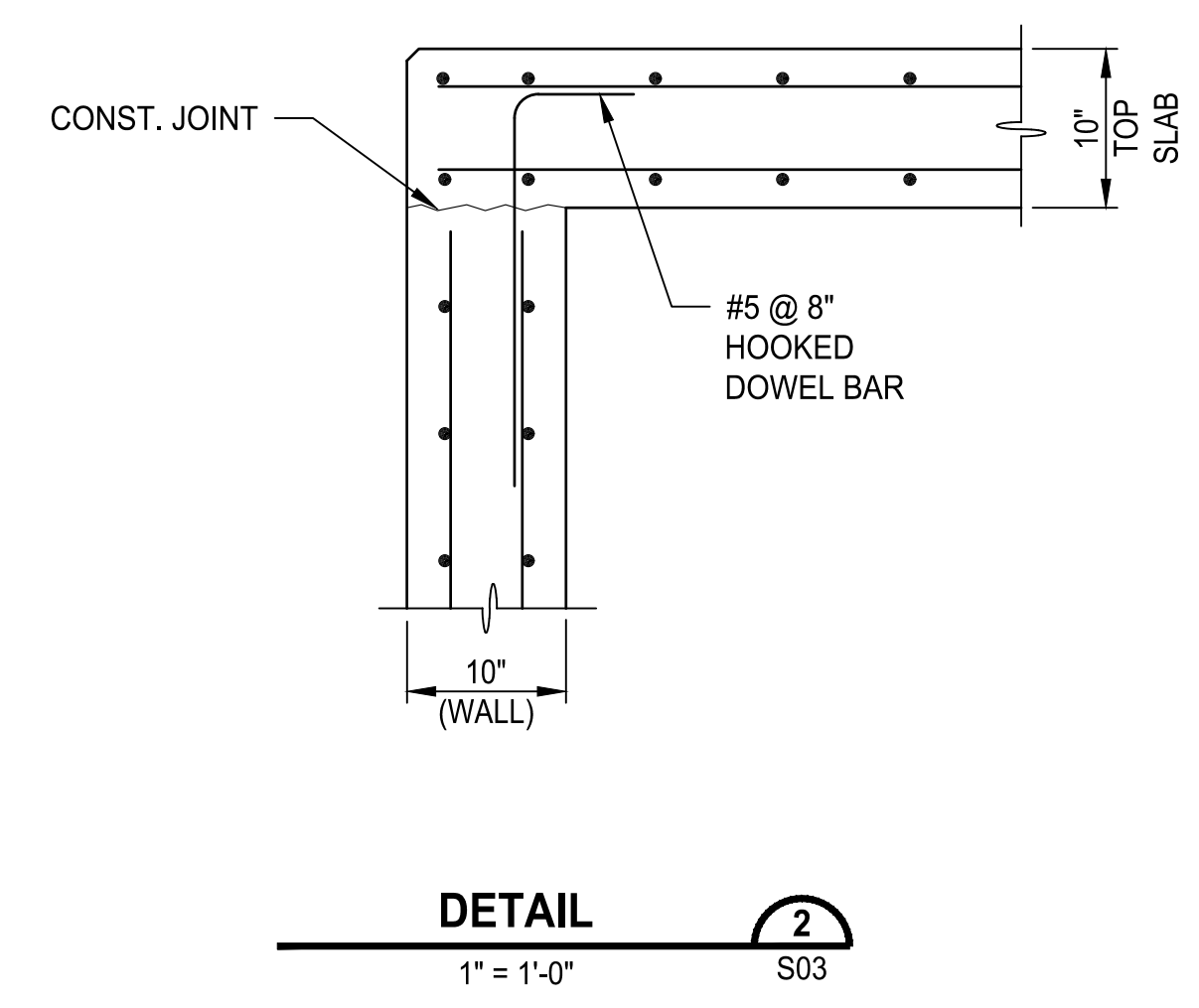
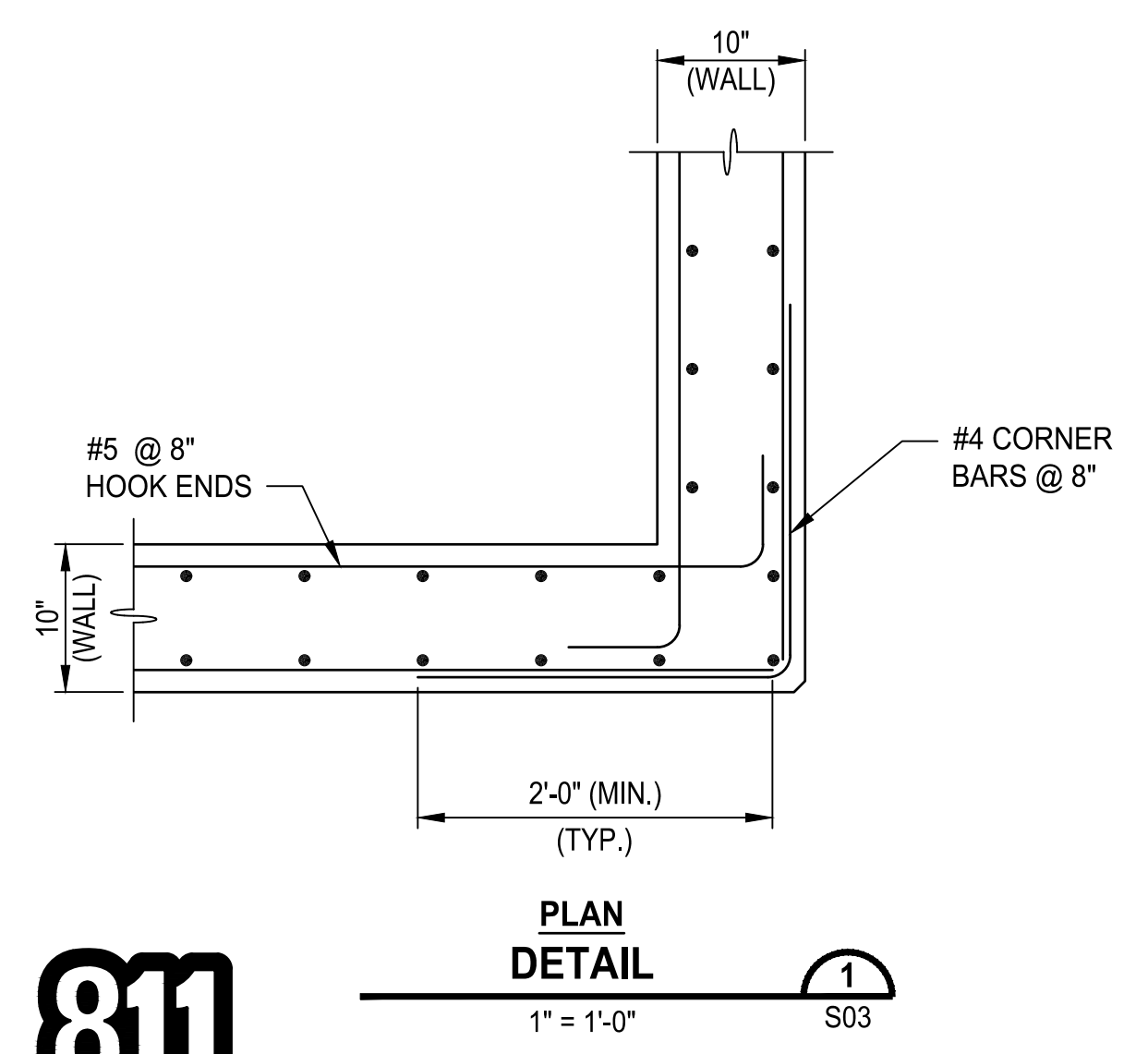
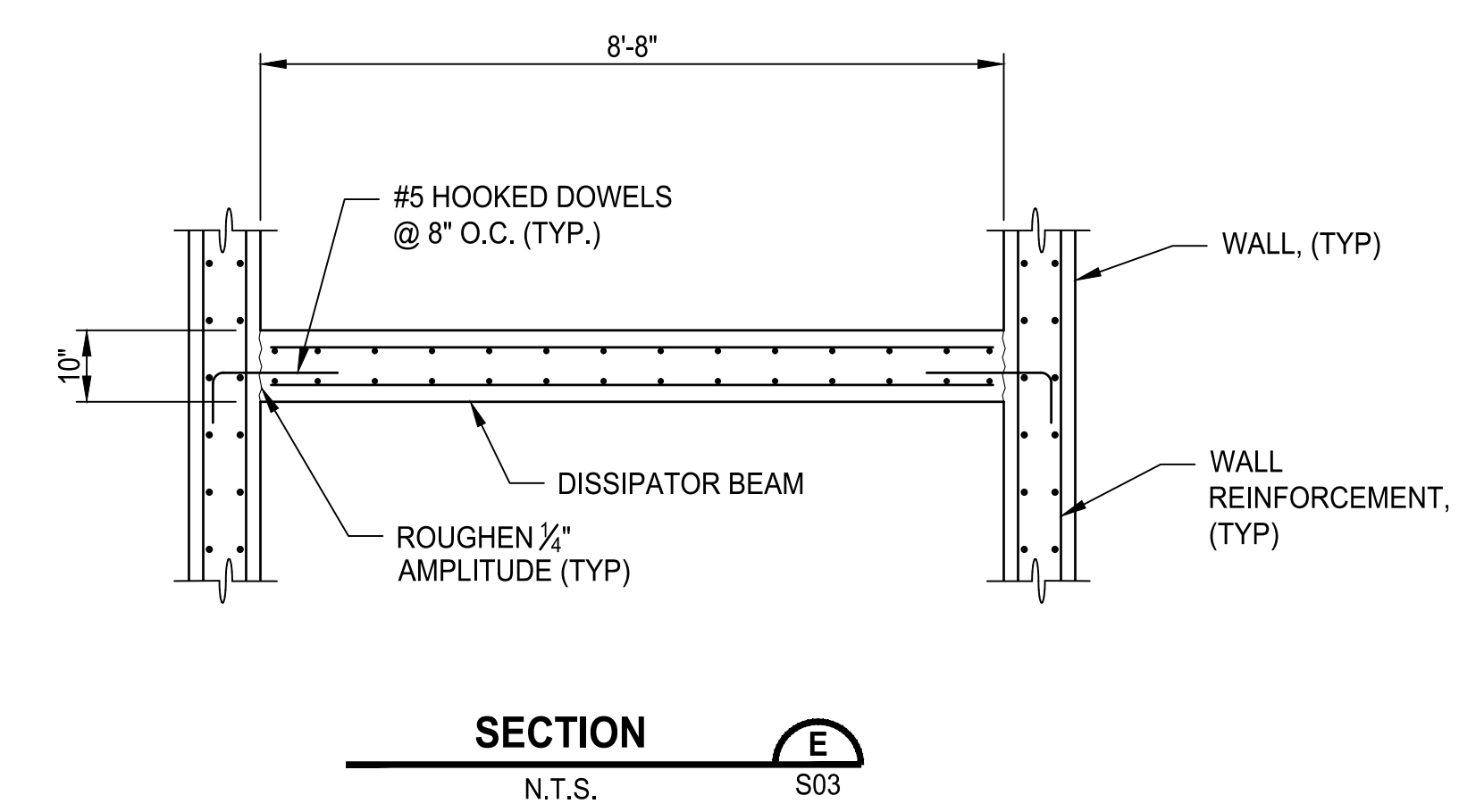
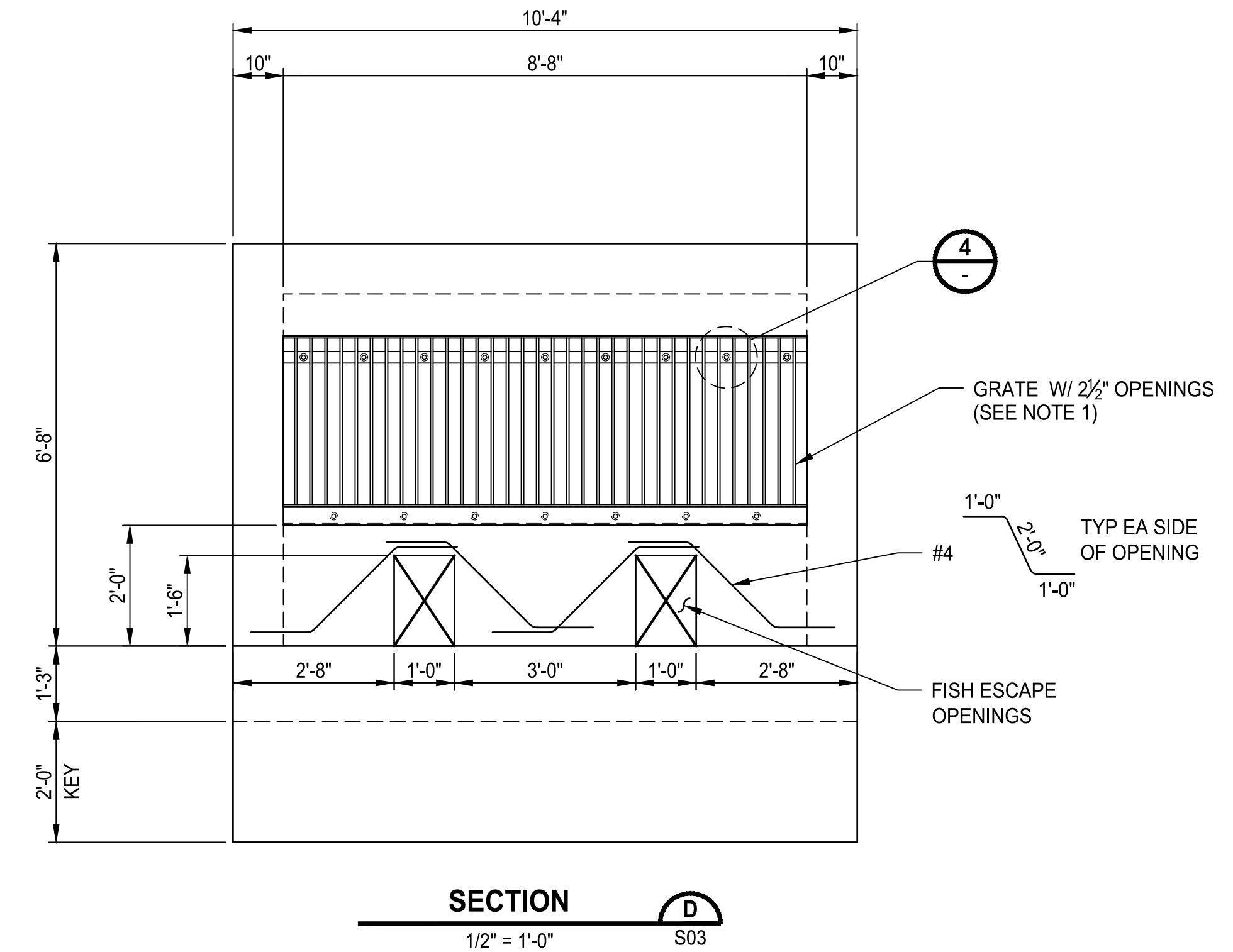
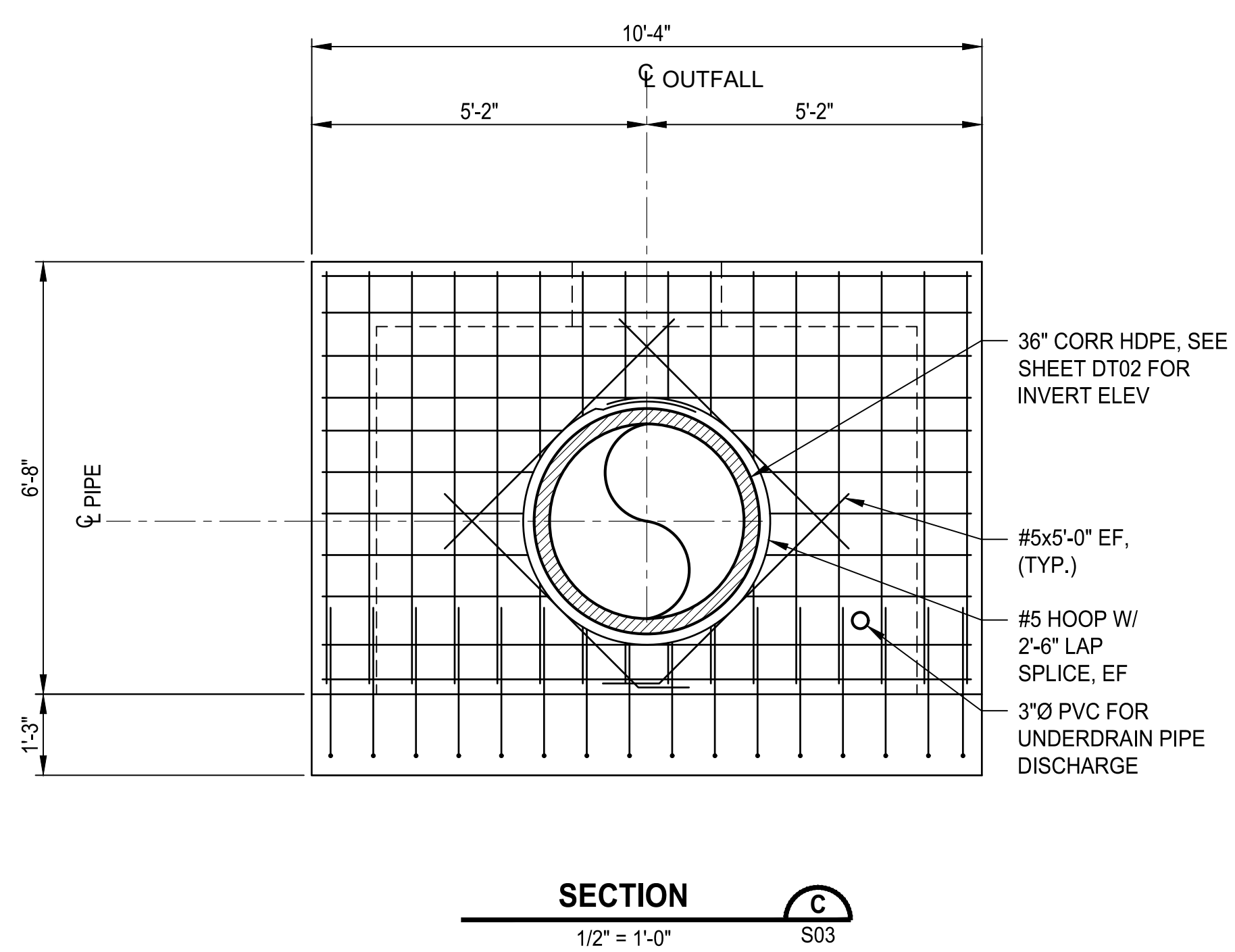
EAST 9TH STREET STORMWATER IMPROVEMENTS
OUTFALL DETAILS

SHEET
45 OF 65
 PN: 234-1896-196
 PLATE
S03

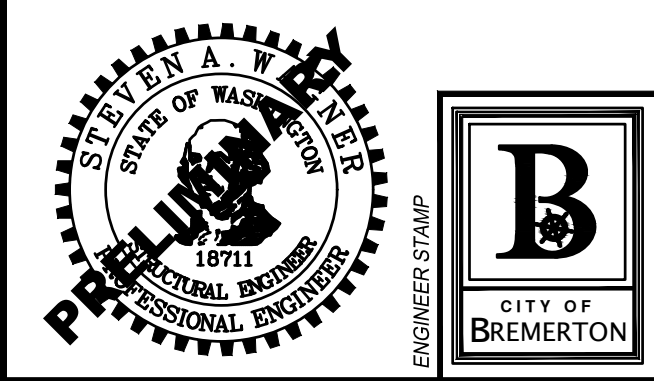
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NOTES:

- SIMILAR TO WSDOT TYPE 2 GRATE, STANDARD PLAN B-50.20-00



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GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS

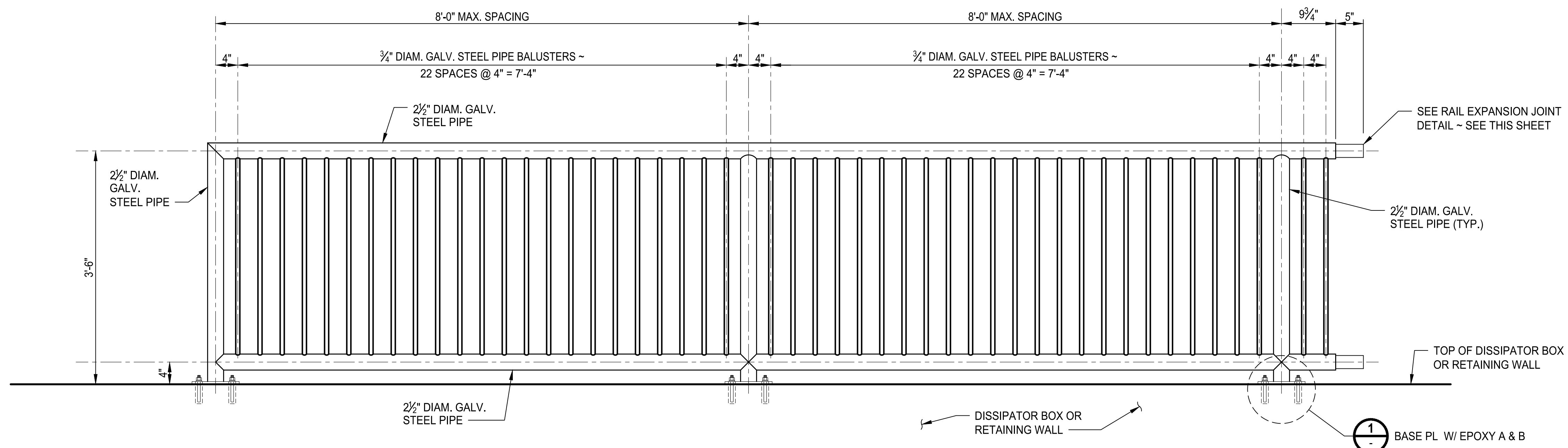
OUTFALL DETAILS

SHEET
46 OF 65

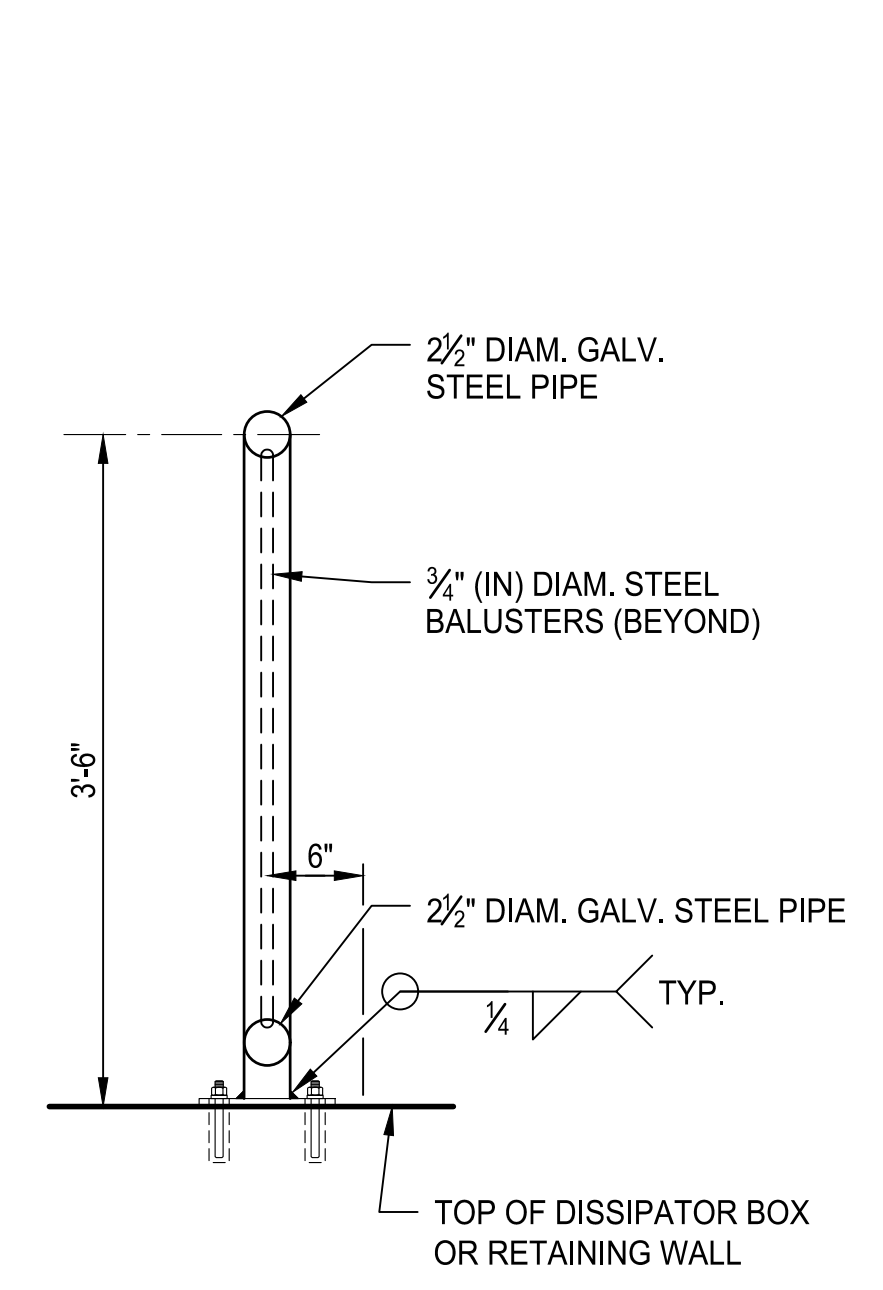
PN: 234-1896-196

PLATE
S04

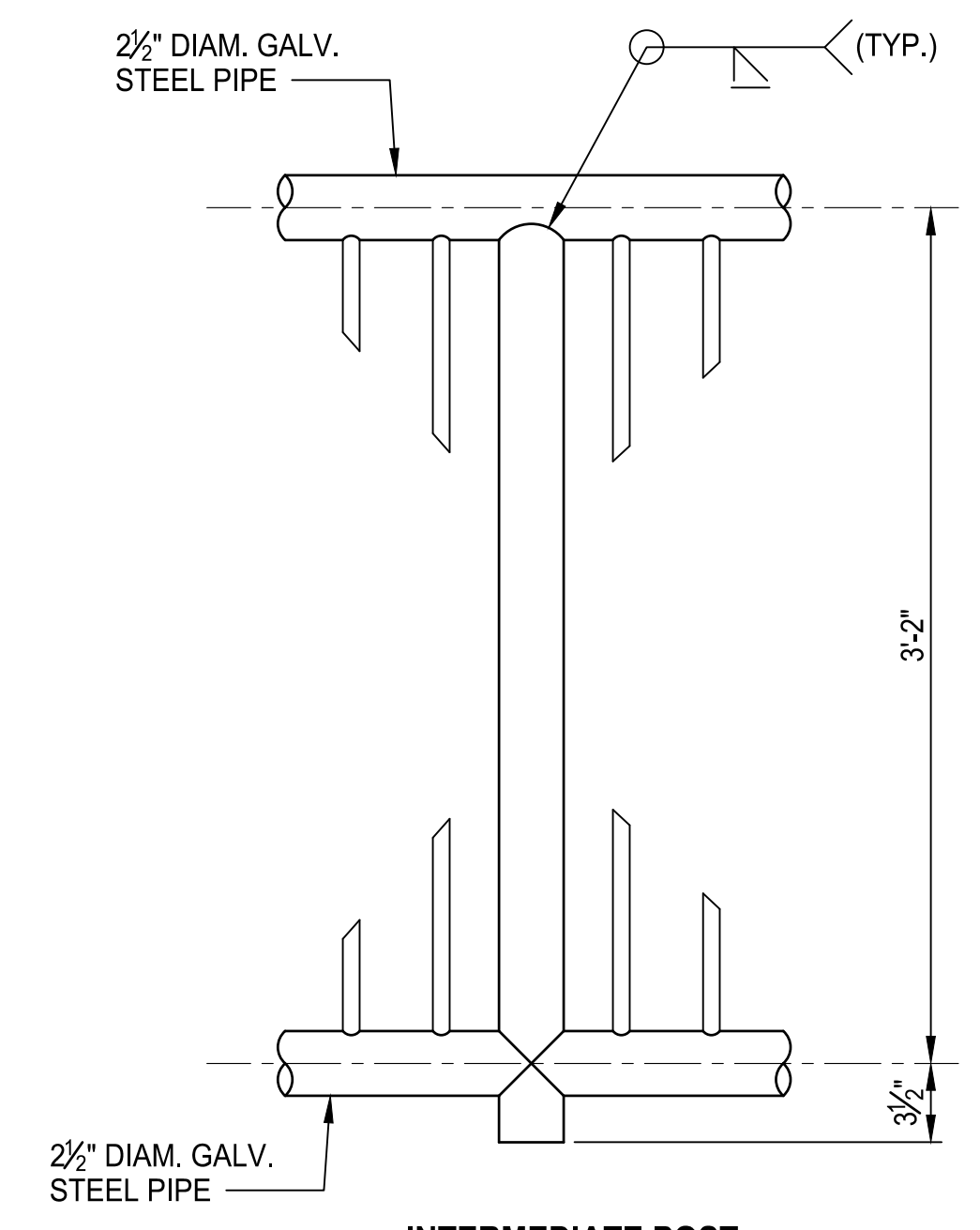
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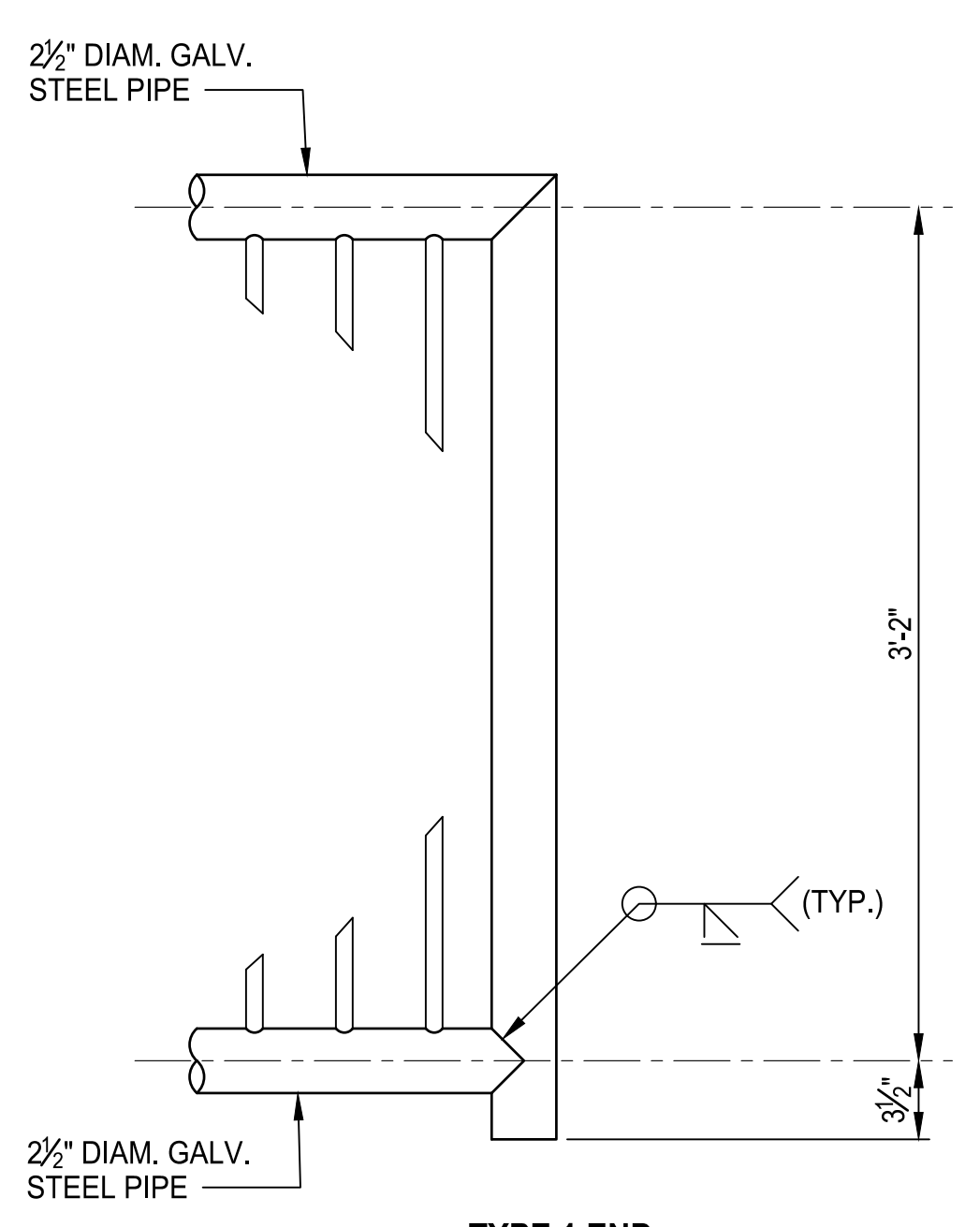
**ELEVATION
DETAIL**
SCALE: 1"=1'-0"



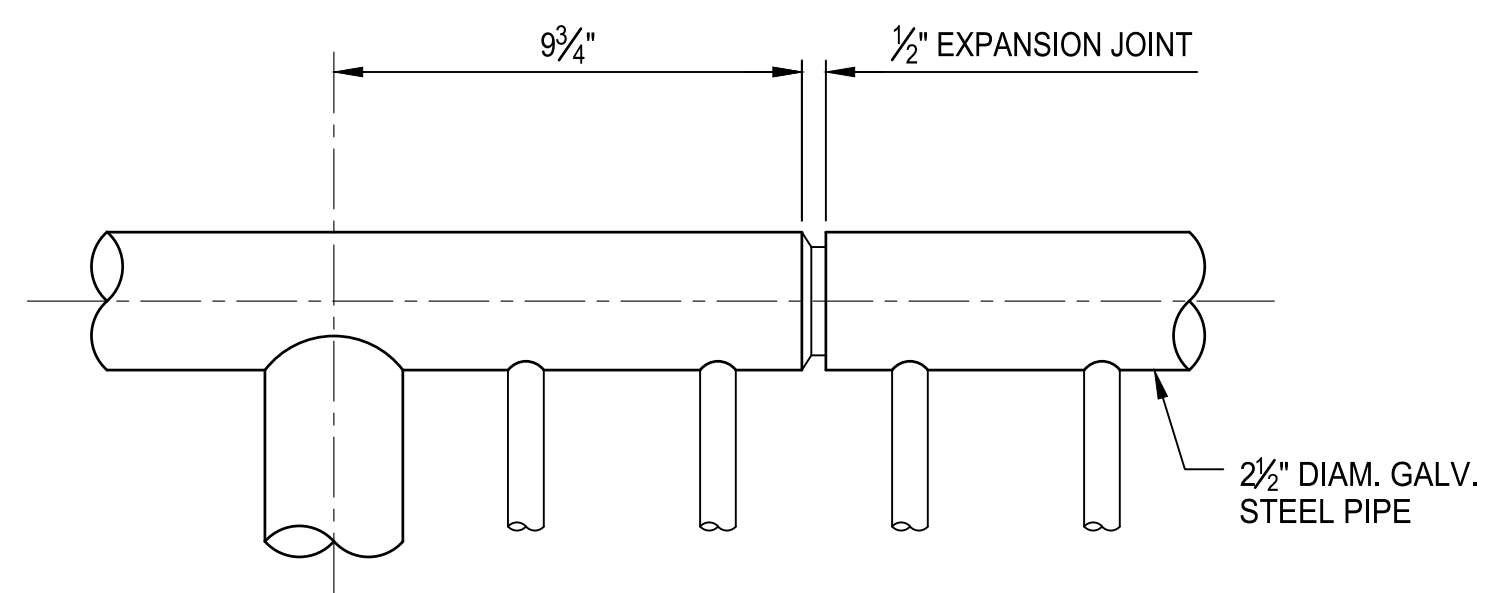
**TYPICAL SECTION
DETAIL**
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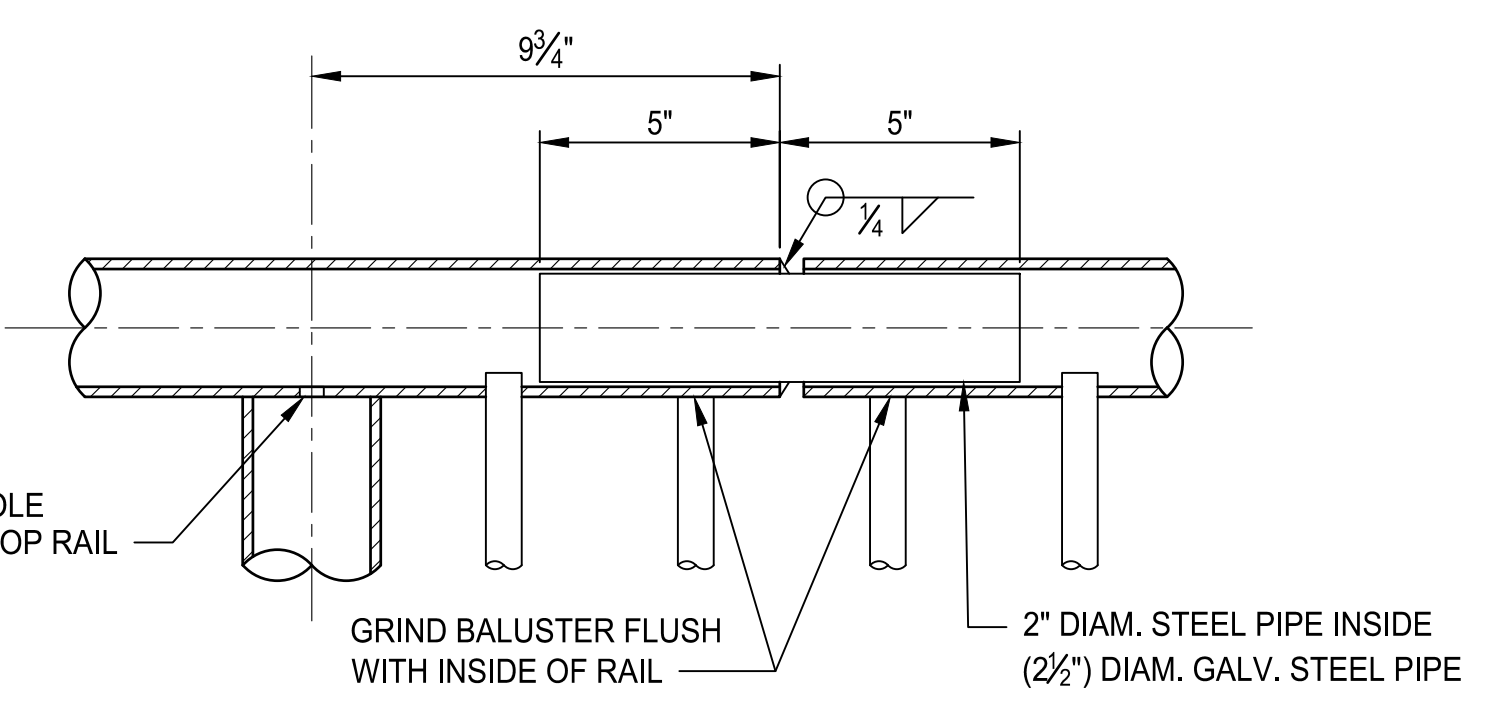
**INTERMEDIATE POST
DETAIL**
SCALE: 1 1/2"=1'-0"



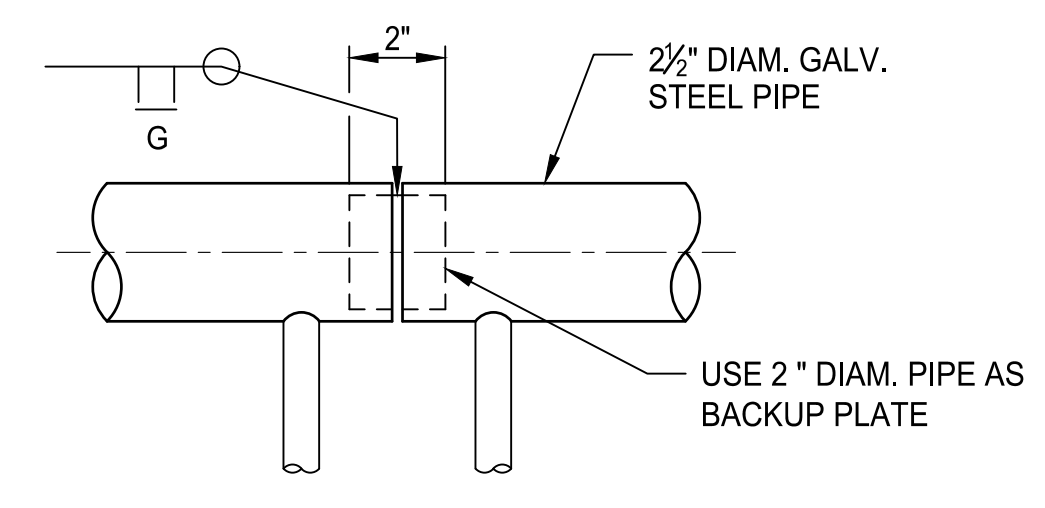
**TYPE 1 END
DETAIL**
SCALE: 1 1/2"=1'-0"



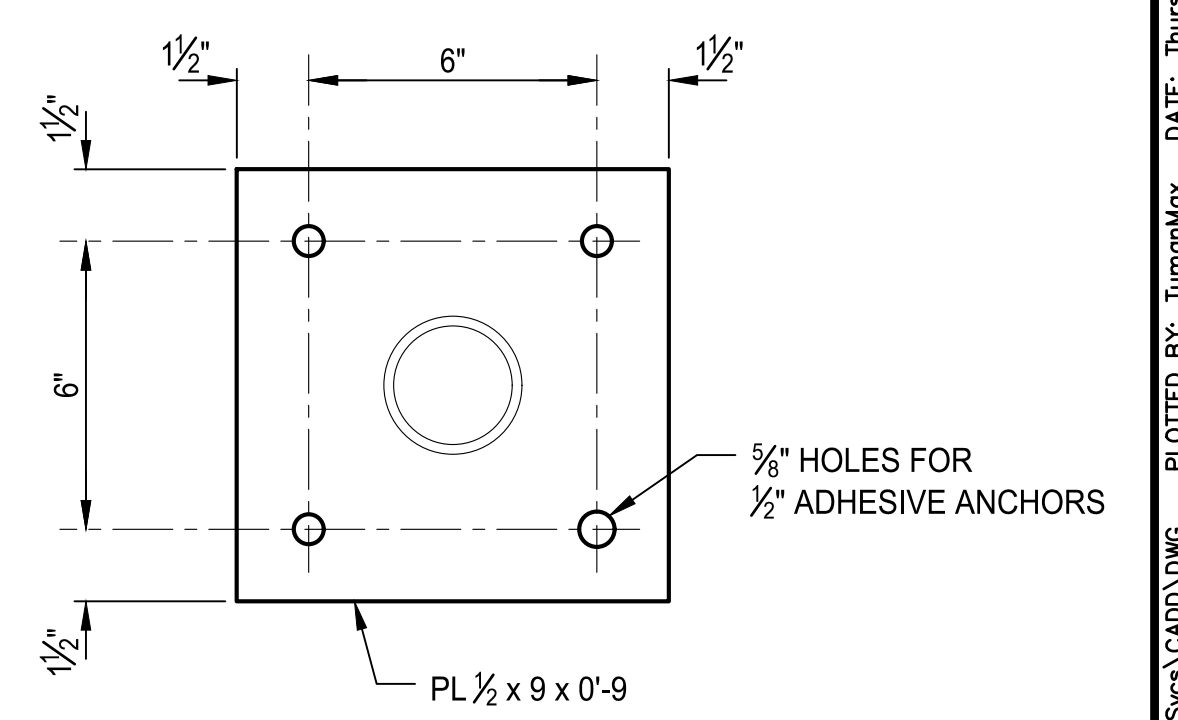
ELEVATION



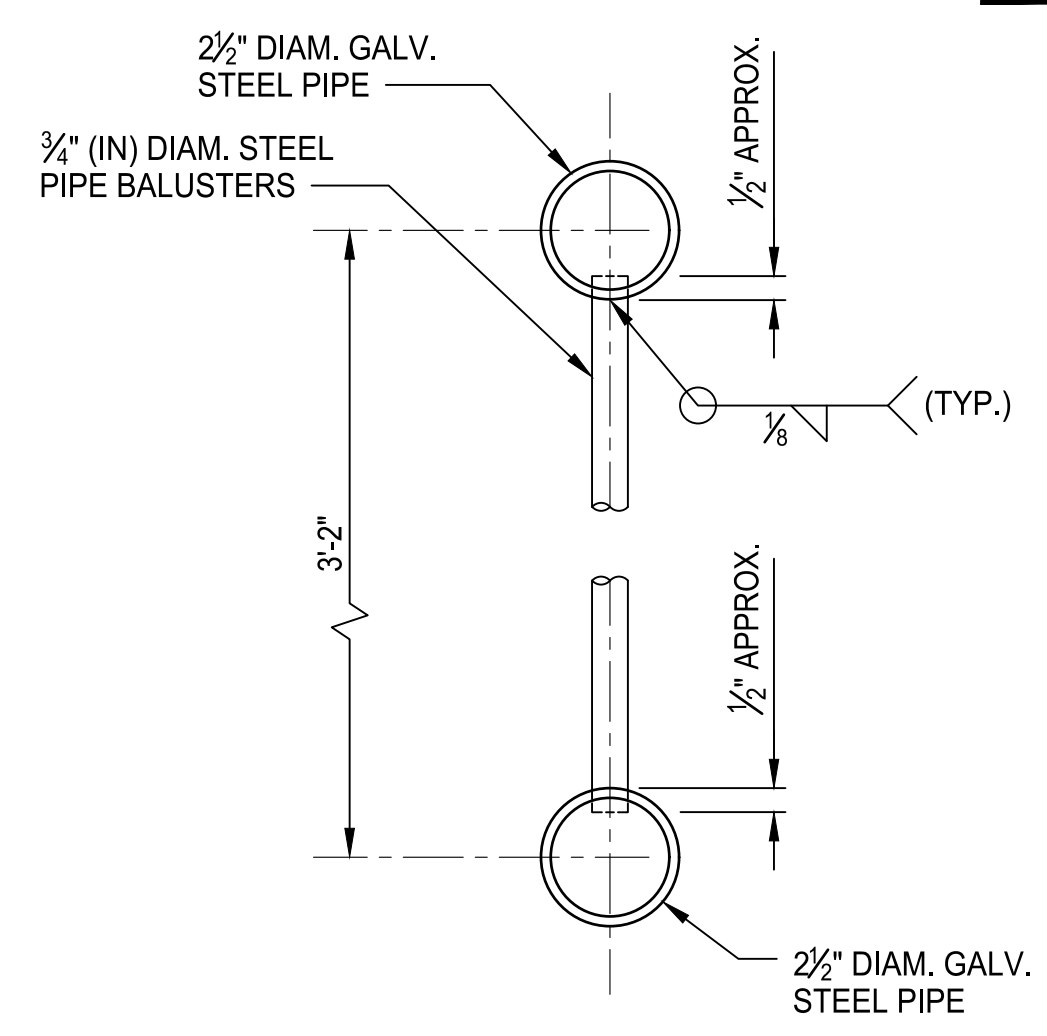
**RAIL EXPANSION JOINT SECTION
DETAIL**
SCALE: 3"=1'-0"



**PERMISSIBLE SPLICE
DETAIL**
SCALE: 3"=1'-0"



**BASE PLATE
DETAIL**
SCALE: 3"=1'-0"



**TYPICAL SECTION
DETAIL**
SCALE: 3"=1'-0"

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CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: S. WAGNER
WA P.E.# 18711 DATE: 10/29/2025

DRAWN BY: M. TUMANOV
DATE: 10/29/2025

CHECKED BY: J. LINKE
WA P.E.# 56738 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

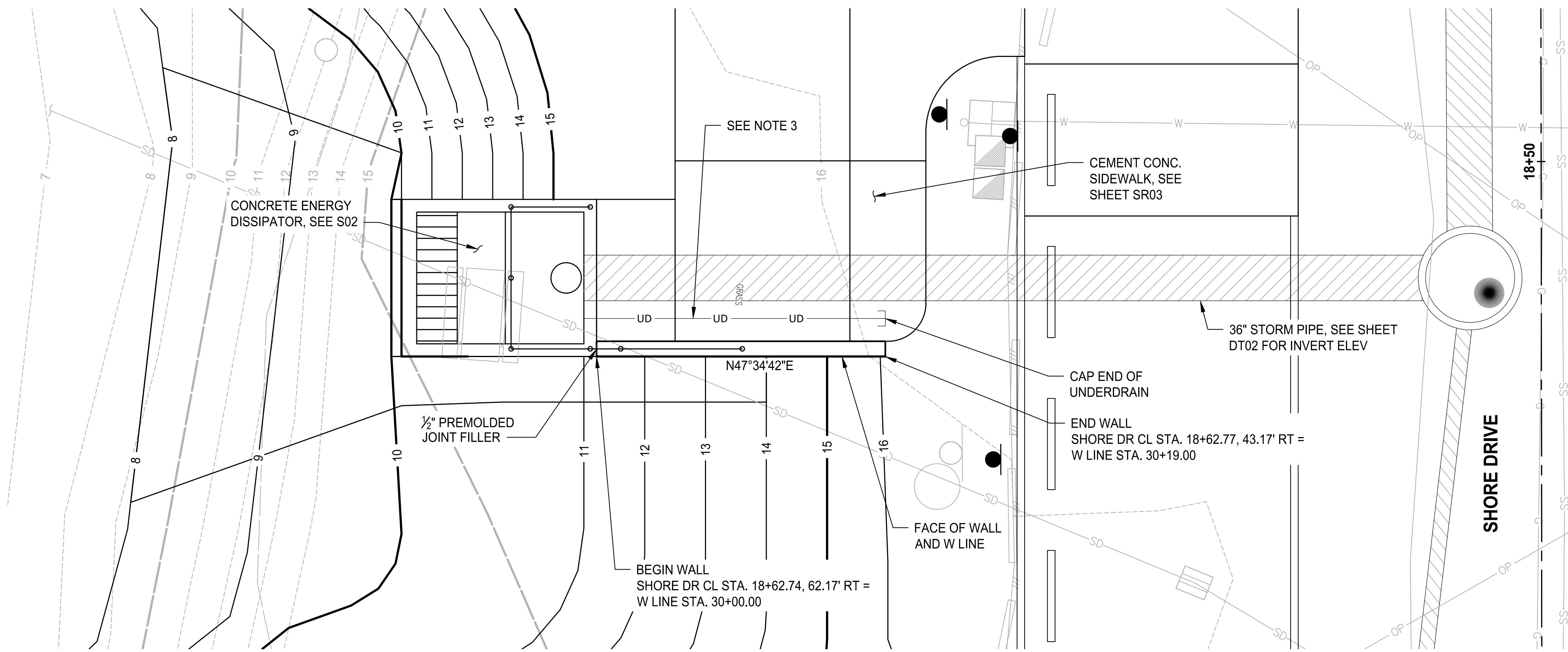
EAST 9TH STREET STORMWATER IMPROVEMENTS
OUTFALL DETAILS

SHEET
47 OF 65

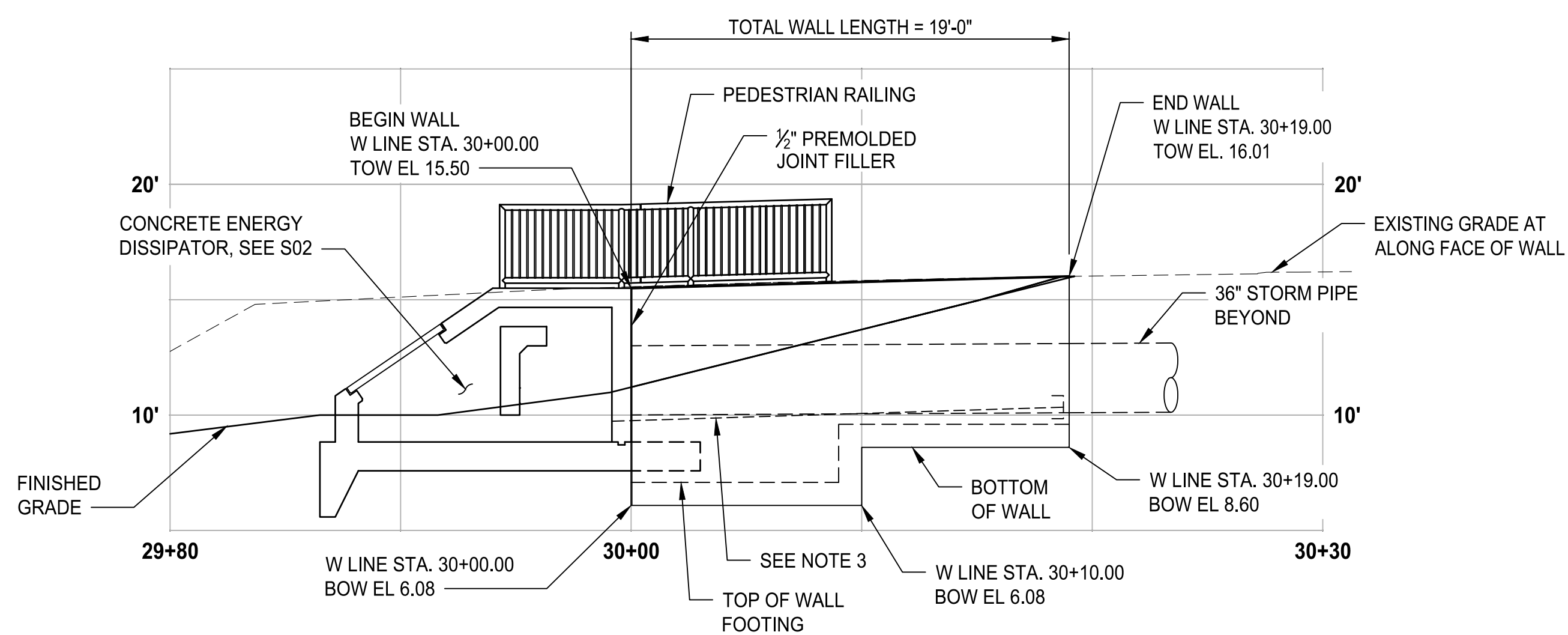
PN: 234-1896-196

PLATE
S05

FILE: P:\S05\Projects\Clients\1896-CityOfBremerton\234-1896-196 EBUS\Stormwater\improv\995sca\CADD\DWG PLOTTED BY: Tumanov, October 30, 2025 9:53:18 AM



PLAN
SCALE IN FEET
0 5 10'



PROFILE

HORIZ: 1"=5'
VERT: 1"=5'

WALL NOTES:

1. SEE SHEET WL02 FOR WALL TYPICAL SECTION AND DETAILS.
2. SEE SHEET S01 FOR GENERAL NOTES.
3. 3" PERFORATED HDPE UNDERDRAIN PIPE CONNECT TO 3" PVC PIPE THROUGH WALL OF ENERGY DISSIPATOR AND TERMINATE WITH DUCKBILL VALVE.

LEGEND:

- EL - ELEVATION
- TOW - TOP OF WALL
- BOW - BOTTOM OF WALL
- OFF - OFFSET
- STA - STATION



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SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

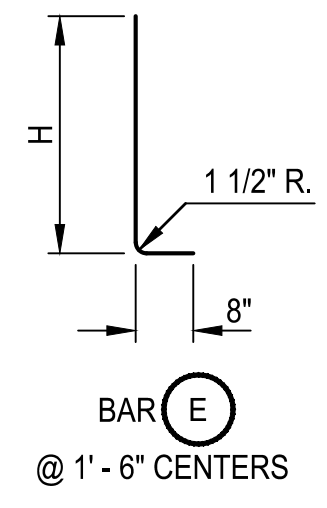
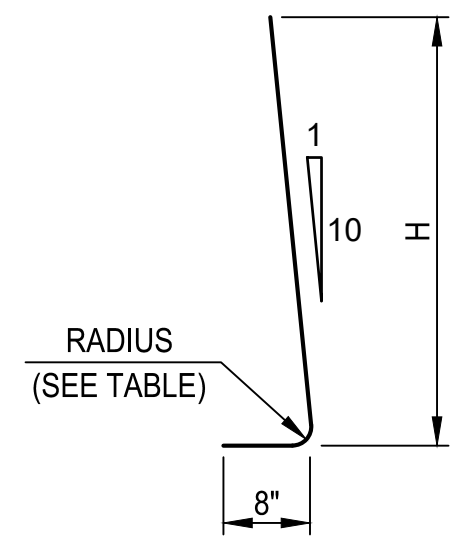
EAST 9TH STREET STORMWATER IMPROVEMENTS
WALL PLAN AND PROFILE

SHEET
48 OF 65

PN: 234-1896-196

PLATE
WL01

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BAR	RADIUS
#4	1 1/2"
#5	1 7/8"
#6	2 1/4"
#7	2 5/8"
#8	3"
#9	4 3/4"
#10	5 3/8"
#11	6"

BARS (K) AND (M)

CEMENT CONC. SIDEWALK/CAST IN PLACE SLAB, SEE SHEET SR03

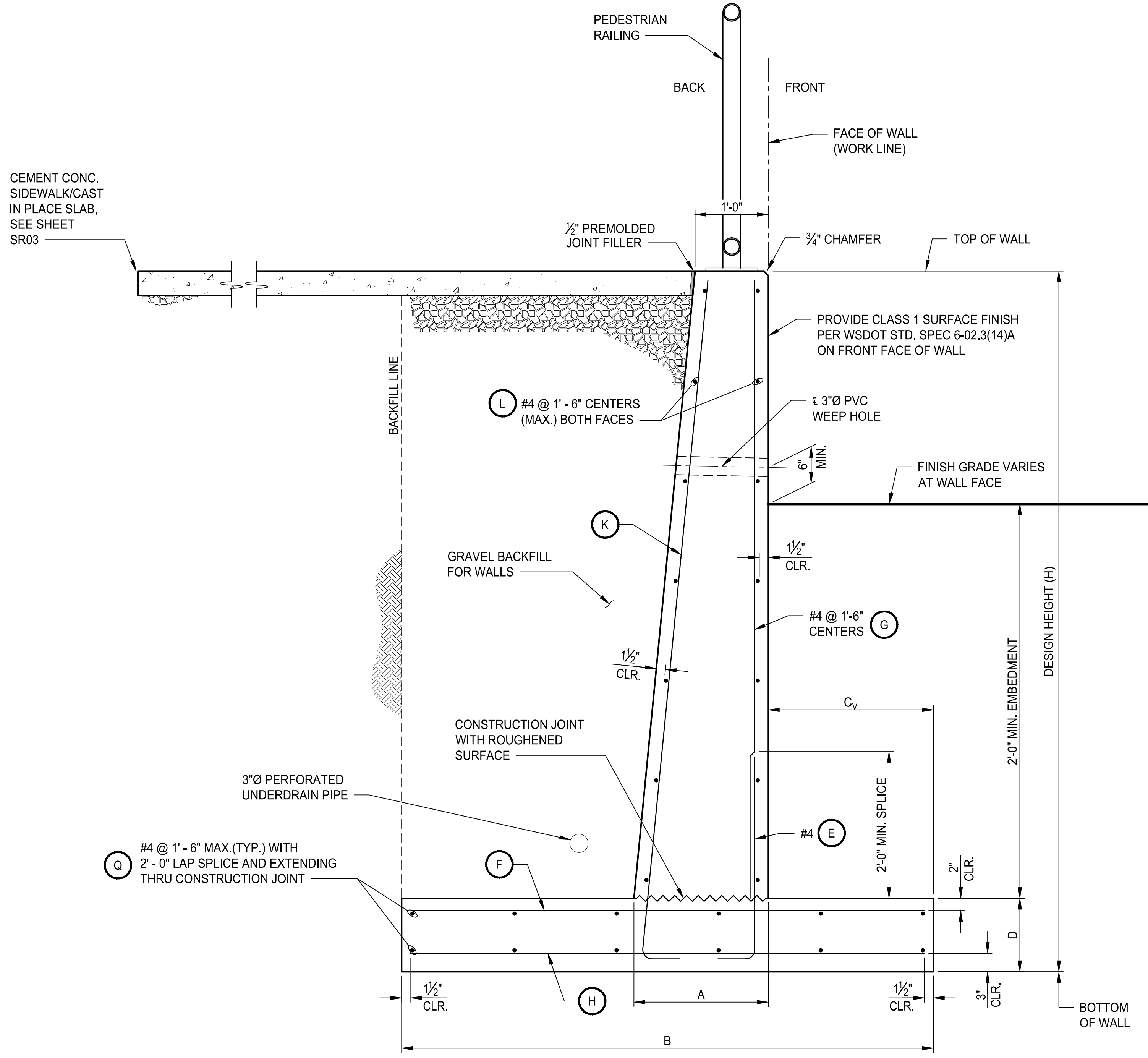
WALL HT H	DIMENSIONS				FOOTING REINFORCEMENT										STEM REINFORCEMENT				MATERIAL QUANTITY		MAXIMUM SOIL PRESSURE (PDF)												
					BAR (E) #4		BAR (F) #4		BAR (H) #4		BAR (K) #4		BAR (M) #4		BAR (J) #4		CONC. CY/LF	STEEL LBS/LF			SERVICE	STRENGTH	EXTREME EVENT 1	EXTREME EVENT 2									
	LENGTH	H	SIZE	SPA.	LENGTH	SIZE	SPA.	LENGTH	h	b	SIZE	SPA.	LENGTH	h	b	SIZE			SPA.	LENGTH					LENGTH								
8'	6'-9"	2'-3"	1'-0"	1'-7 1/2"	3'-4"	2'-9"	#4	1'-0"	6'-6"	#4	1'-6"	6'-6"	#4	1'-0"	8'-2 1/2"	7'-7 1/2"	8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7'-4"	7'-4"	0.58	33.8	1176	1631	1660	2217
10'	7'-3"	2'-3"	1'-0"	1'-10"	3'-4"	2'-9"	#4	10"	7'-0"	#4	1'-0"	7'-0"	#4	1'-0"	10'-2 1/2"	9'-7 1/2"	8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9'-4"	9'-4"	0.72	43.6	1471	2060	2178	2604

WALL NOTES:

- SEE SHEET WL01 FOR WALL PLAN AND PROFILE.
- ALL CONCRETE SHALL BE CLASS 4000, EXCEPT AS NOTED.

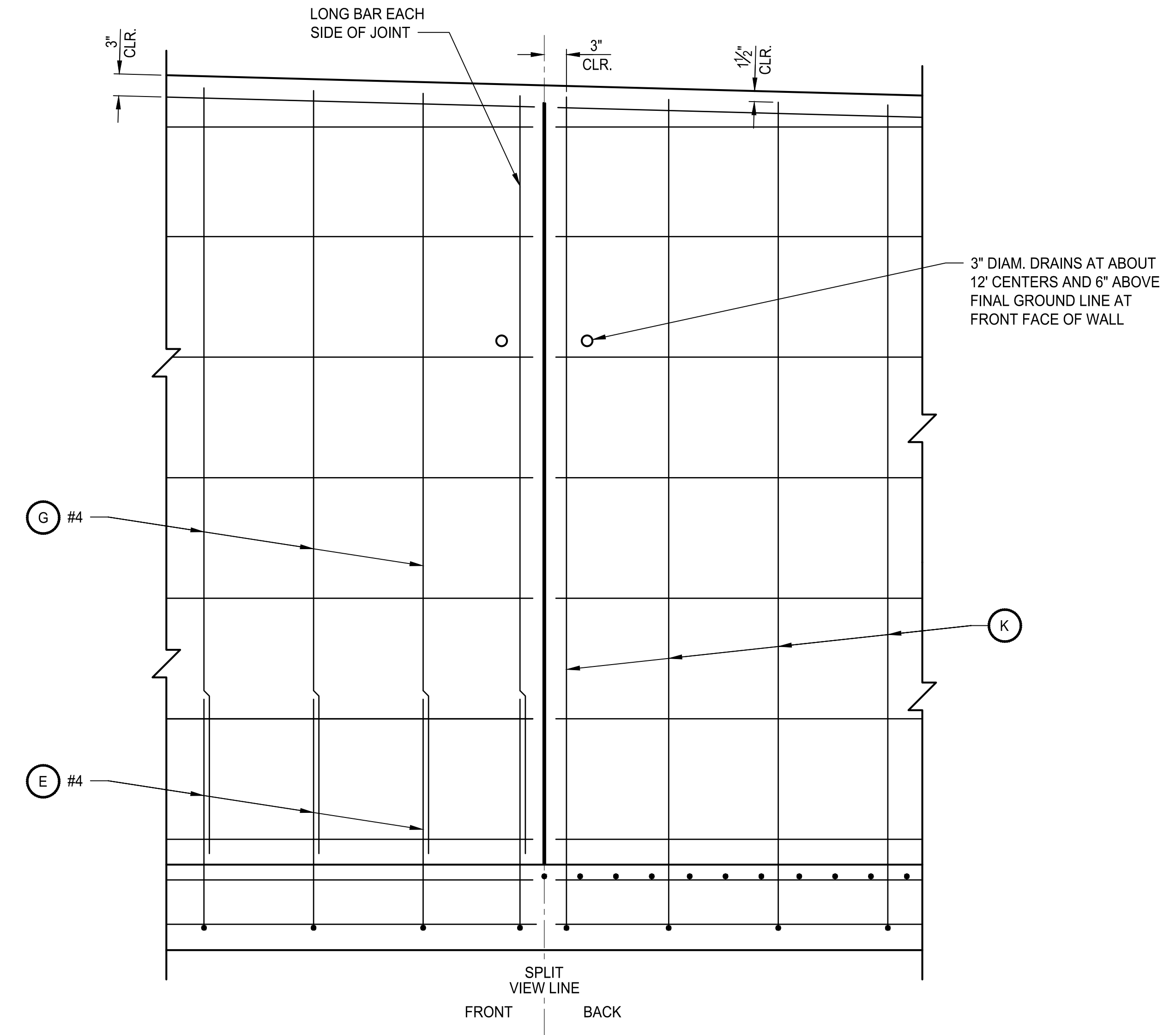
BAR	MIN. SPLICE
#4	2'-0"
#5	2'-0"
#6	2'-0"
#7	2'-6"
#8	3'-3"
#9	4'-2"
#10	5'-3"

BAR (Q) #4		
LOCATION	WALL HEIGHT (H)	QTY.
TOP OF FOOTING	≤ 16'	5
	16' ≤ 23'	7
	23' ≤ 28'	9
BOTTOM OF FOOTING	≤ 16'	5
	16' ≤ 23'	7
	23' ≤ 28'	9
	29' ≤ 35'	11



TYPICAL SECTION DETAIL

SCALE: 1"=1'-0"



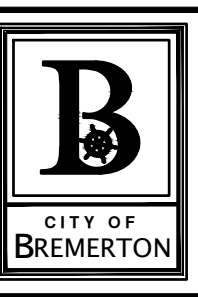
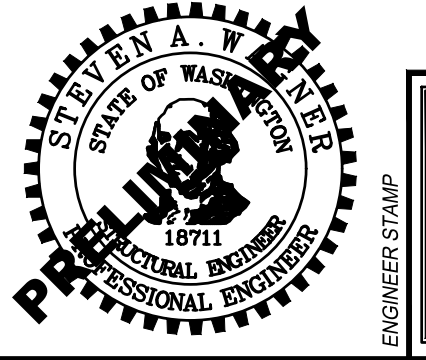
SPLIT ELEVATION VIEW DETAIL

SCALE: 1"=1'-0"

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Parametrix

NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: S.WAGNER
WA P.E.# 18711 DATE: 10/29/2025

DRAWN BY: M.TUMANOV
DATE: 10/29/2025

CHECKED BY: J.LINKE
WA P.E.# 56738 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

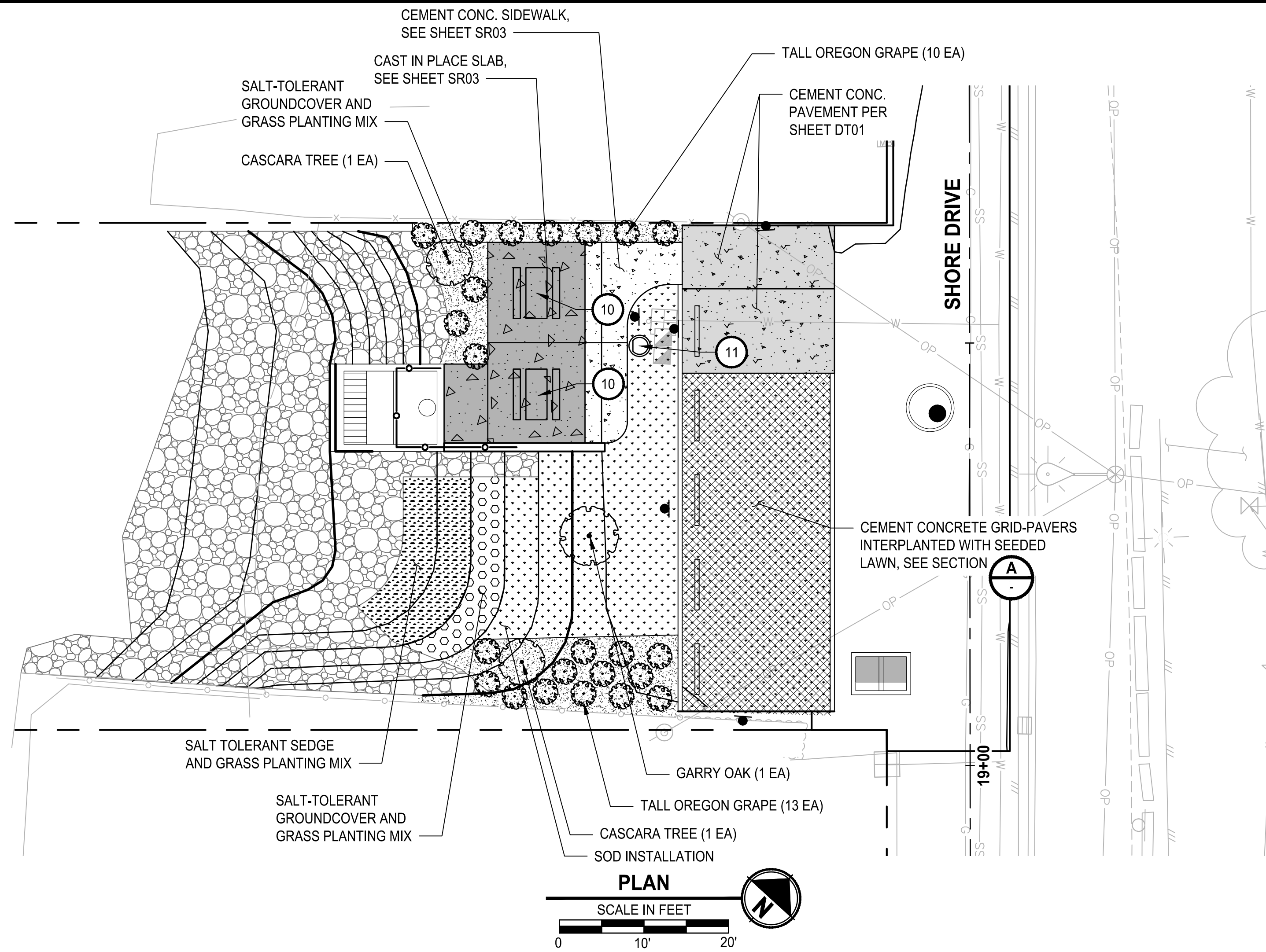
EAST 9TH STREET STORMWATER IMPROVEMENTS

WALL DETAILS

SHEET
49 OF 65

PN: 234-1896-196

PLATE
WL02

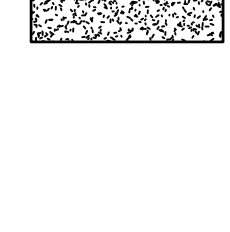
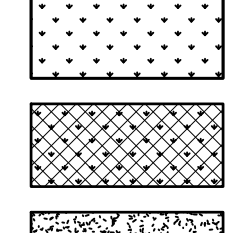
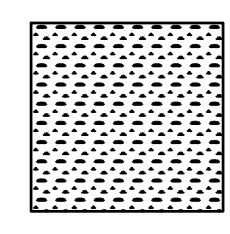
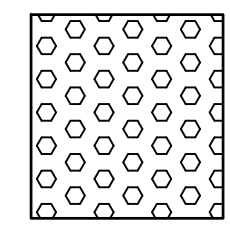
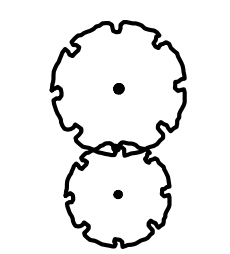


LANDSCAPE CONSTRUCTION NOTES:

- 1 INSTALL CEMENT CONCRETE GRID PAVER PER DETAIL (A)
- 2 SEEDED LAWN INSTALLATION
- 3 INSTALL SOIL AMENDMENT PER DETAIL (1 LS02)
- 4 INSTALL 6" TOPSOIL TYPE A PER DETAIL (2 LS02)
- 5 INSTALL 3" WOOD CHIP MULCH PER DETAIL (2 LS02)
- 6 SOD INSTALLATION
- 7 INSTALL TREE PER CITY OF BREMERTON STD DETAIL 3353
- 8 INSTALL CONTAINER PLANT PER DETAILS (3 LS02) AND (5 LS02)
- 9 INSTALL PLUG PLANT PER DETAILS (4 LS02) AND (5 LS02)
- 10 INSTALL PICNIC TABLE PER DETAIL (1)
- 11 INSTALL TRASH RECEPTACLE PER MANUFACTURER'S INSTRUCTIONS.

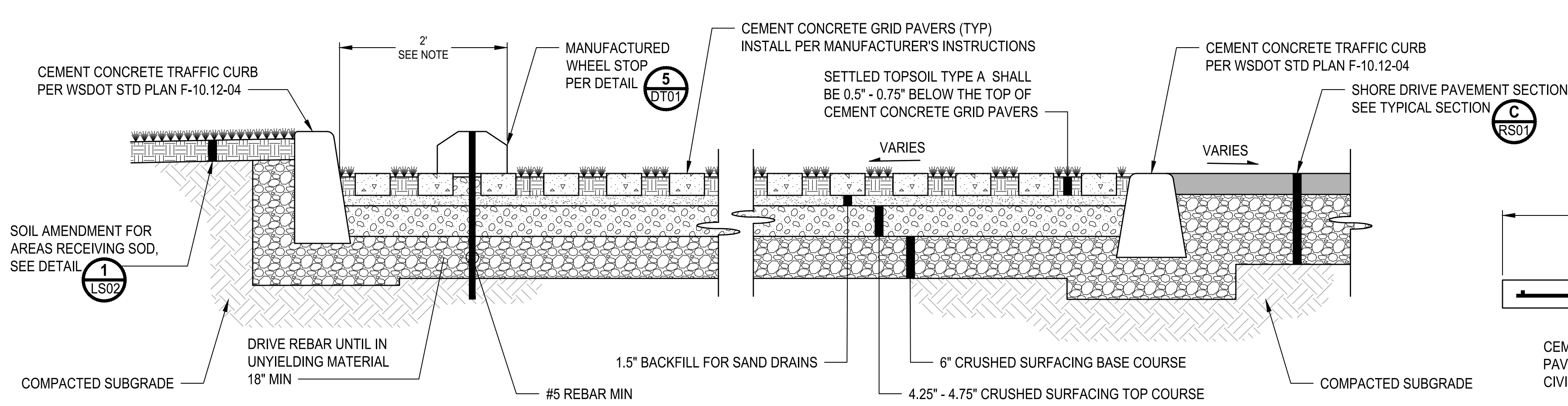
LEGEND:

REFER TO SR SHEETS FOR SHORELINE RESTORATION DETAILS

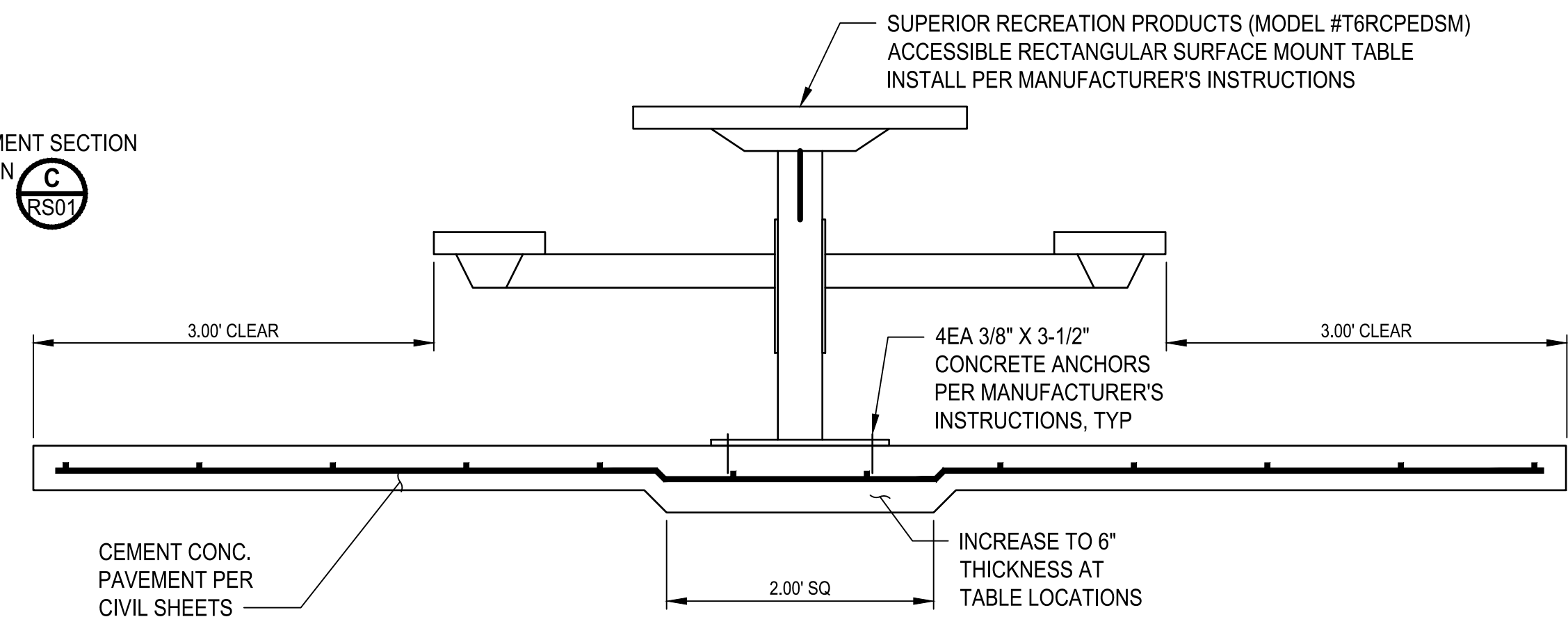


QTY	BOTANICAL NAME	COMMON NAME	MIN. SIZE/COND	SPACING	NOTES
TREES					
1	QUERCUS GARRYANA	GARRY OAK	2" CAL. / B&B	AS SHOWN	(4) (5) (7)
2	RHAMNUS 'PURSHIANA'	CASCARA TREE	1.25" CAL. / B&B	AS SHOWN	(4) (5) (7)
SHRUBS					
23	MAHONIA AQUIFOLIUM 'COMPACTA'	COMPACT OREGON GRAPE	#5 CONT.	AS SHOWN	(4) (5) (8)
SALT-TOLERANT GROUND COVER AND GRASS PLANTING MIX					
22	ARMERIA MARITIMA	SEA THRIFT	#1 CONT.	18" O.C.	
22	DESCHAMPSIA CESPITOSA	TUFTED HAIR GRASS	#1 CONT.	18" O.C.	(4) (5) (8)
22	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	#1 CONT.	18" O.C.	
SALT-TOLERANT SEDGE AND GRASS PLANTING MIX					
75	CAREX LYNGBYEI	LYNGBYE'S SEDGE	10 CU. IN. PLUG	12" O.C.	
38	DISTICHLIS SPICATA	COASTAL SALT GRASS	10 CU. IN. PLUG	12" O.C.	(3) (9)
75	LEYMUS MOLLIS	DUNE GRASS	10 CU. IN. PLUG	12" O.C.	
LAWN INSTALLATION - SOD SEE SPECIFICATION SECTIONS 8-02 AND 9-14.7(4)					
SEEDED LAWN IN CEMENT CONCRETE GRID PAVERS SEE SPECIFICATION SECTIONS 8-02 AND 9-14.3					
WOOD CHIP MULCH SEE SPECIFICATION SECTION 8-02					

NOTES
1. ADJUST WHEEL STOP LOCATION PERPENDICULAR TO PARKING STALL SO THAT REBAR IS INSTALLED IN VOIDS OF CEMENT CONCRETE GRID PAVERS



CEMENT CONCRETE GRID-PAVER INTERPLANTED WITH SEEDED LAWN SECTION (A)
NO SCALE



PICNIC TABLE INSTALLATION DETAIL (1)
NO SCALE
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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: J. CERALDE
WA PLA. # 20118444 DATE: 10/29/2025

DRAWN BY: J. CERALDE
DATE: 10/29/2025

CHECKED BY: J. SWENSON
WA PLA. # 656 DATE: 10/29/2025

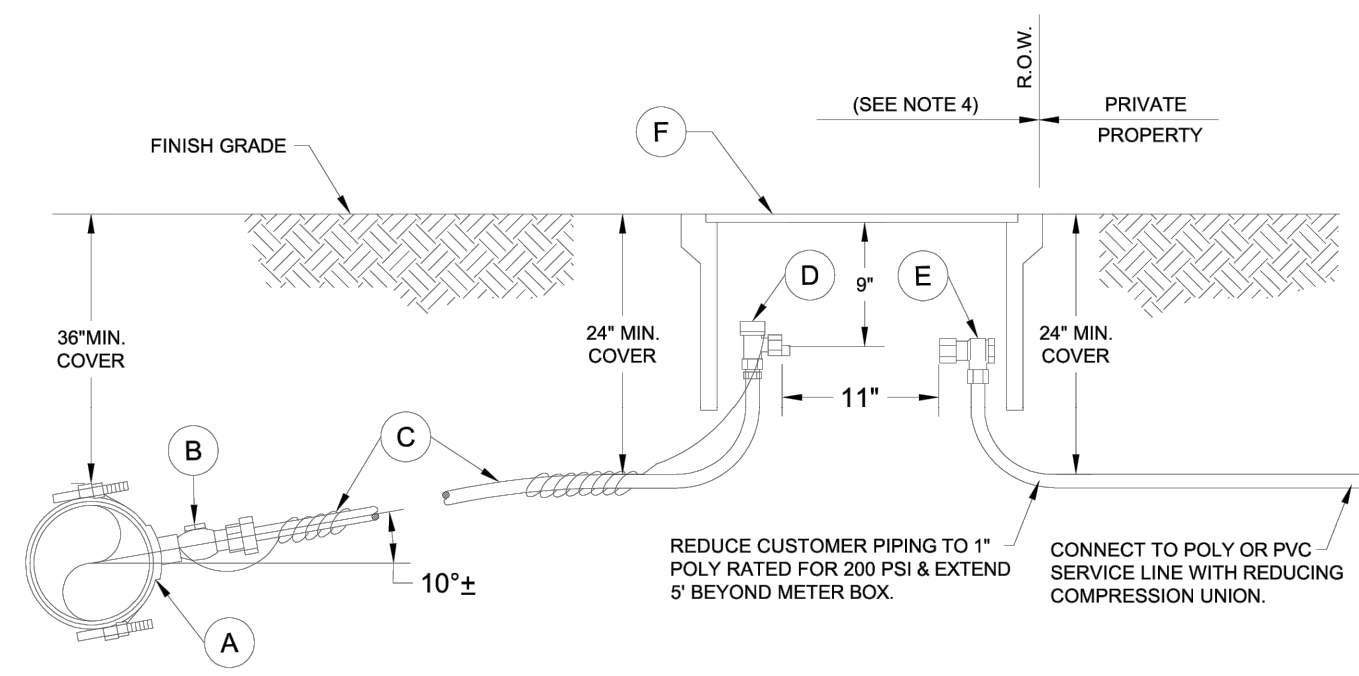
SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
LANDSCAPE PLANS AND DETAILS

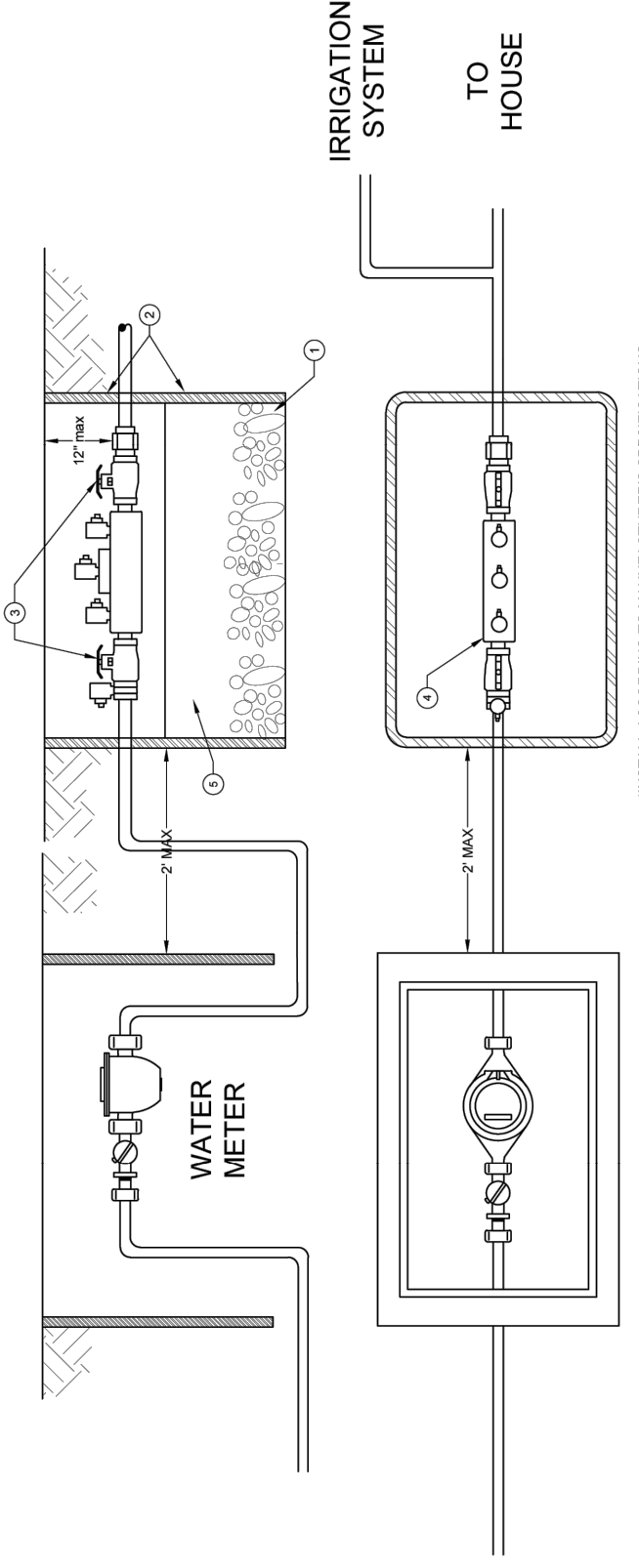
SHEET
50 OF 65
PN: 234-1896-196
PLATE
LS01

FILE: P:\61696196-LS01 LAYOUT: LS01
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PLOT BY: ceralde
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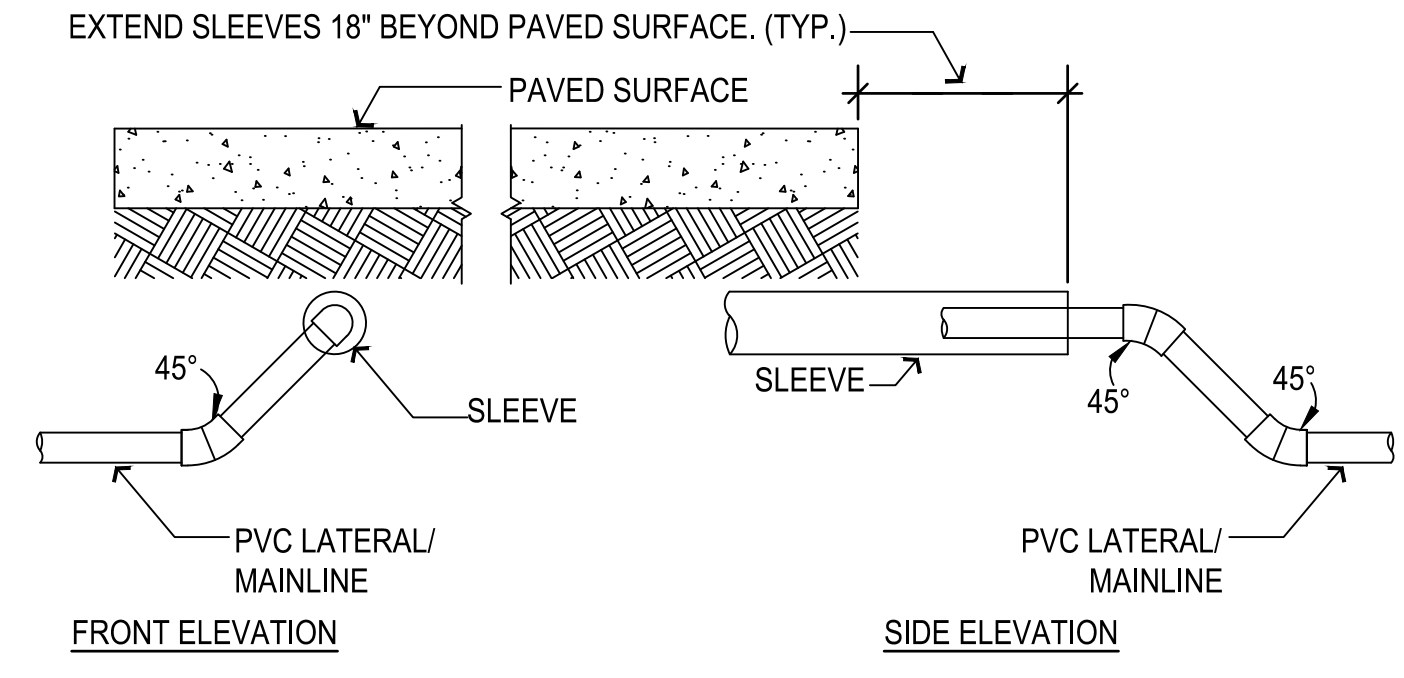


- HORIZONTAL METER INSTALLATION**
- A CAST IRON SERVICE SADDLE FOR A.C. PVC, & STEEL MAINS, WITH STAINLESS STEEL BANDS. DIRECT TAP AND INSTALL CC CORP. ON D.I. AND C.I. MAINS.
 - B 1" CORPORATION STOP (CC OR IP) X COMPRESSION.
 - C 1" COPPER TUBING SIZE HMOL WITH S.S. INTERNAL POLY STIFFENERS, W/ 12 GA. SOLID COPPER BLUE COATED LOCATE WIRE.
 - D 1" ANGLE METER VALVE, COMPRESSION.
 - E 1" ANGLE METER CHECK VALVE IP, OR COMPRESSION.
 - F HDPE METER BOX WITH EJIW #1324 METER COVER WITH RECESSED TOUCH READ PIT LID ADAPTER HOLE, MID STATES #132412B BOX OR RAVEN METER BOX #1324X12 OR APPROVED EQUAL.

- NOTES:**
- SERVICE LINES SHALL BE PERPENDICULAR TO THE WATERMAIN. METER SETTERS WILL BE USED WHERE REQUIRED.
 - SERVICE SADDLE MAY BE INSTALLED AS AN OPTION ON CLASS 52 OR THICKER D.I. PIPE. CORPORATION STOPS WILL BE TAPPED INTO AN "EXISTING MAIN" BY CITY FORCES ONLY.
 - AN APPROVED BACKFLOW ASSEMBLY MUST BE INSTALLED PER WA. DEPT. OF HEALTH ON ALL IRRIGATION SYSTEMS. THE SYSTEM SHALL NOT BE PLACED INTO SERVICE UNTIL THE REQUIRED BACKFLOW ASSEMBLY IS INSTALLED (PER CITY STANDARD DETAILS), TESTED BY A CERTIFIED BACKFLOW ASSY. TESTER AND INSPECTED BY A CERTIFIED CROSS CONNECTION CONTROL SPECIALIST.
 - THE WATER METER AND ITEMS A,B,C,D,E, & F SHALL BE SUPPLIED AND INSTALLED BY THE BREMERTON PUBLIC WORKS AND UTILITIES DEPARTMENT. ALL OTHER MATERIALS WILL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR OR HOME OWNER. WHEN THE INSTALLATION IS COMPLETE AND INSPECTED, THE CITY WILL MAINTAIN THE SERVICE LINE UPSTREAM OF THE METER, INSIDE THE RIGHT OF WAY.
 - LOCATE WIRE SHALL BE 12 GA BLUE COATED SOLID COPPER WIRE, STRIPPED AT BOTH ENDS AND TIGHTLY WRAPPED AROUND (GROUNDED TO) THE CORPORATION STOP A MINIMUM OF TWO TIMES OR CRIMPED TO THE LOCATE WIRE ON THE MAIN. THE END IN THE METER BOX SHALL BE LOOPED AND TUCKED INSIDE THE BOX.

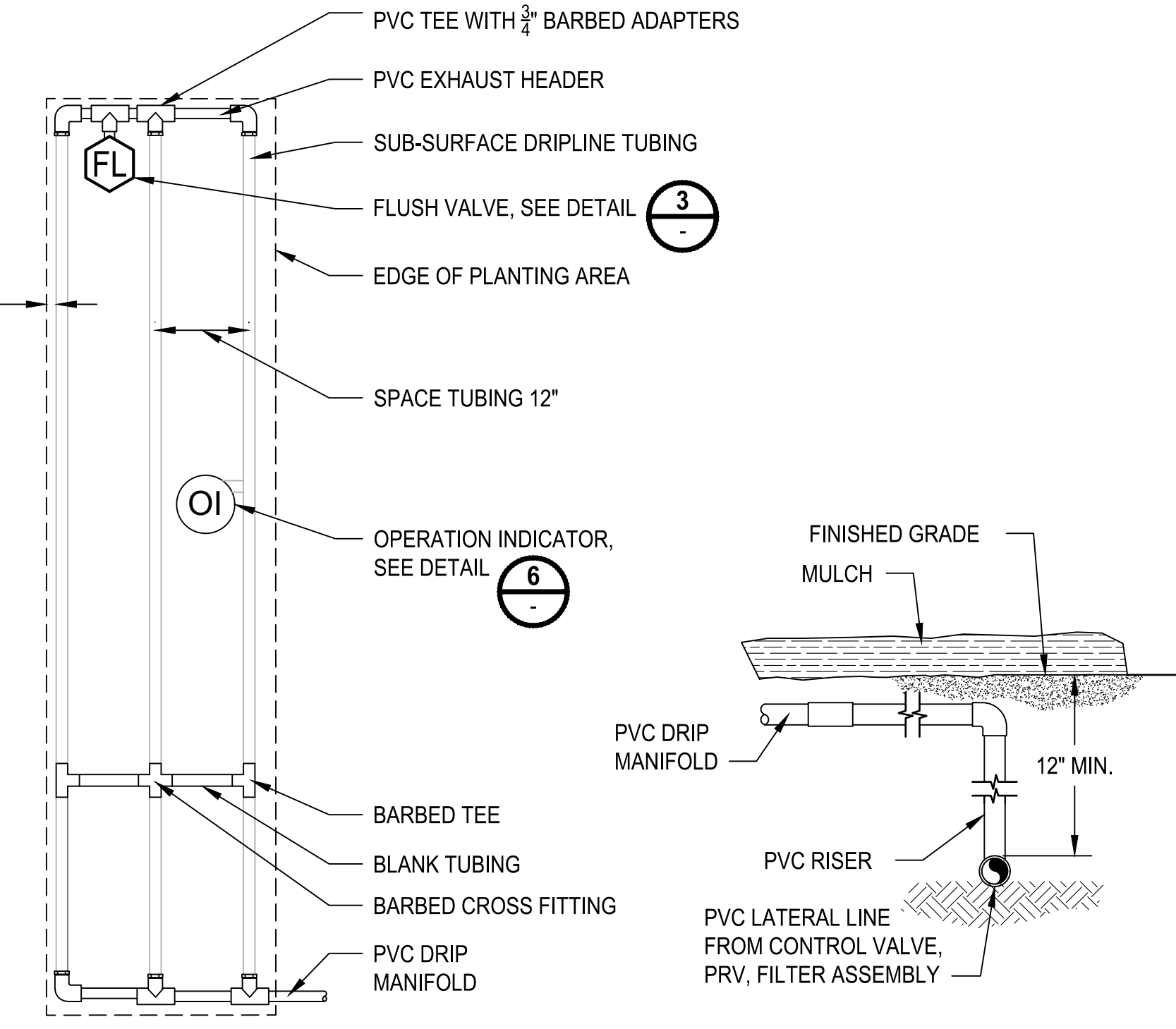


- NOTES:**
- PLACE FEA GRAVEL 1" DEEP IN BOTTOM OF BOX.
 - ENCLOSE 2" AND SMALLER, D.C.V.'S IN 2" IRRIGATION BOXES STACKED ON TOP OF EACH OTHER OR IN AN OVERSIZED BOX WHEN NEEDED. BOXES MUST HAVE A REMOVABLE COVER.
 - THERE SHOULD BE A MINIMUM OF 3 INCHES DISTANCE BETWEEN UNDERSIDE OF LID AND HIGHEST POINT OF THE DEVICE.
 - LOCATE WIRE SHALL BE 12 GA BLUE COATED SOLID COPPER WIRE, STRIPPED AT BOTH ENDS AND TIGHTLY WRAPPED AROUND (GROUNDED TO) THE CORPORATION STOP A MINIMUM OF TWO TIMES OR CRIMPED TO THE LOCATE WIRE ON THE MAIN. THE END IN THE METER BOX SHALL BE LOOPED AND TUCKED INSIDE THE BOX.
 - THERE SHOULD BE A MIN OF 2" BETWEEN THE LOWEST POINT OF THE DEVICE AND DRAIN ROCK (FEA GRAVEL).
 - PROVIDE AN EXPANSION TANK AS NEEDED.
 - SHUTOFF VALVES SHALL NOT BE MORE THAN TWO FEET FROM THE METER WITHOUT PRIOR APPROVAL.
 - DCV'S WILL BE WASHINGTON STATE D.O.H. APPROVED AND WILL INCLUDE (2) SHUTOFF VALVES, (2) CHECK VALVES AND (4) TEST COCKS WITH PLUS. ONCE INSTALLED THE DCV'S WILL BE TESTED BY A CERTIFIED CROSS CONNECTION CONTROL SPECIALIST. THEREAFTER INSPECTED AND TESTED ANNUALLY, WHEN MOVED OR WHEN REPAIRED.
 - ALL OPENINGS IN THE BOX SIDEWALLS WILL BE SEALED TO KEEP DEBRIS OUT.



- NOTES:**
- THERE SHALL NOT BE 90° JOINTS DIRECTING LATERALS AND MAINLINES INTO SLEEVES. MAXIMUM ANGLE SHALL BE 45°.
 - INSTALL SLEEVES 18" DEEP MINIMUM.

SLEEVE DETAIL
NO SCALE TYP



- NOTES:**
- INSTALL ONE DRIPLINE OPERATION INDICATOR PER VALVE. LOCATE ON DRIPPER TUBING CLOSEST TO CONTROL VALVE.
 - DRIPLINE TUBING RUNS BETWEEN PVC HEADERS SHALL NOT EXCEED 200' IN LENGTH.
 - CONNECT SUPPLY AND EXHAUST HEADERS TOGETHER WITH ADDITIONAL PVC HEADER WHEN LINE EXCEEDS 75' IN LENGTH AND/OR 20 IN WIDTH. ROUTE ADDITIONAL HEADER LINE TO AVOID TREE CONFLICTS.

SUB-SURFACE DRIPLINE END FEED LAYOUT DETAIL
NO SCALE TYP

City of Bremerton
PUBLIC WORKS
DESIGN/CONSTRUCTION STANDARDS

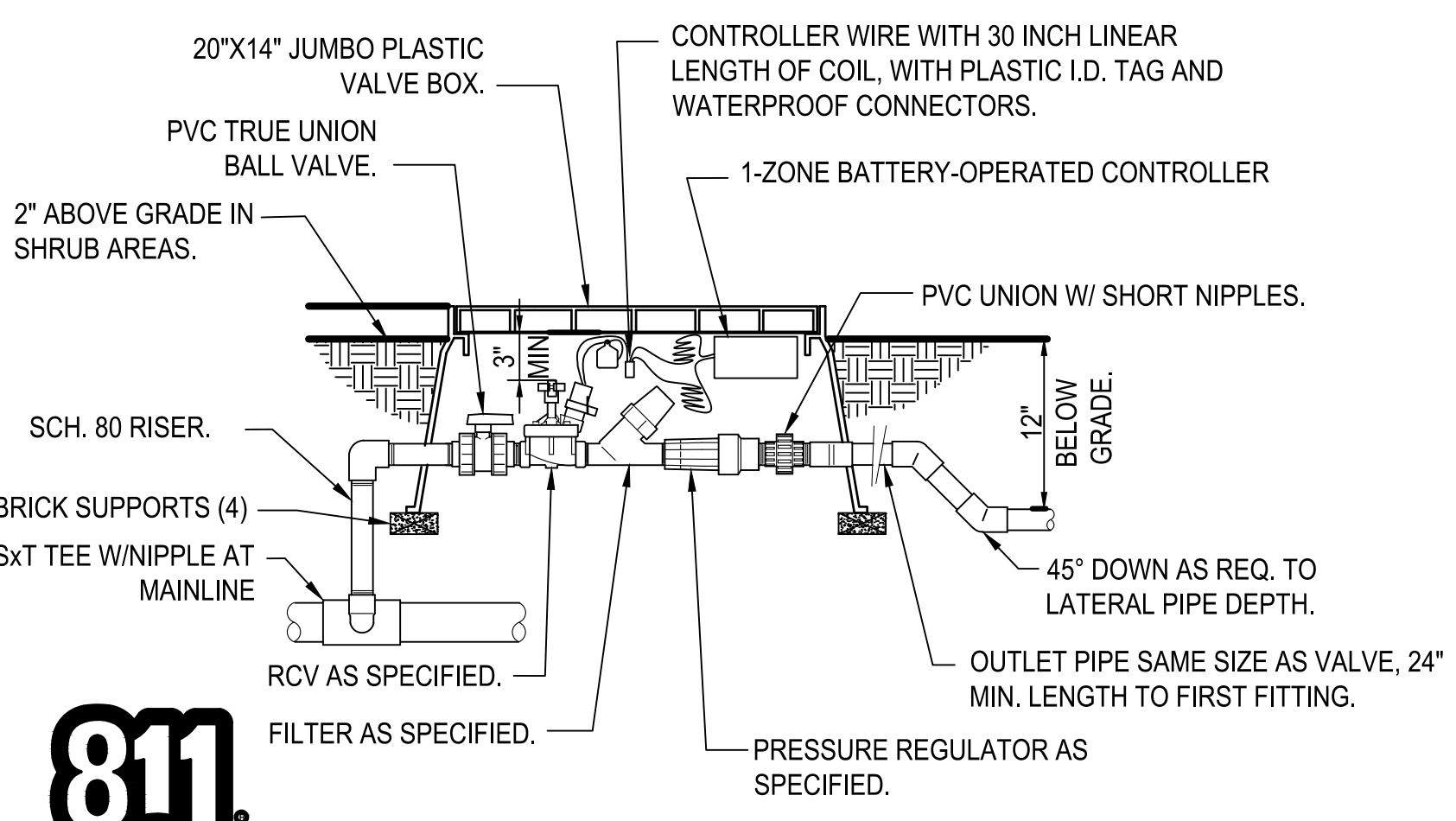
1" X 1" DOMESTIC/IRRIGATION SERVICE CONNECTION

5002
Revision Date 11/08/22

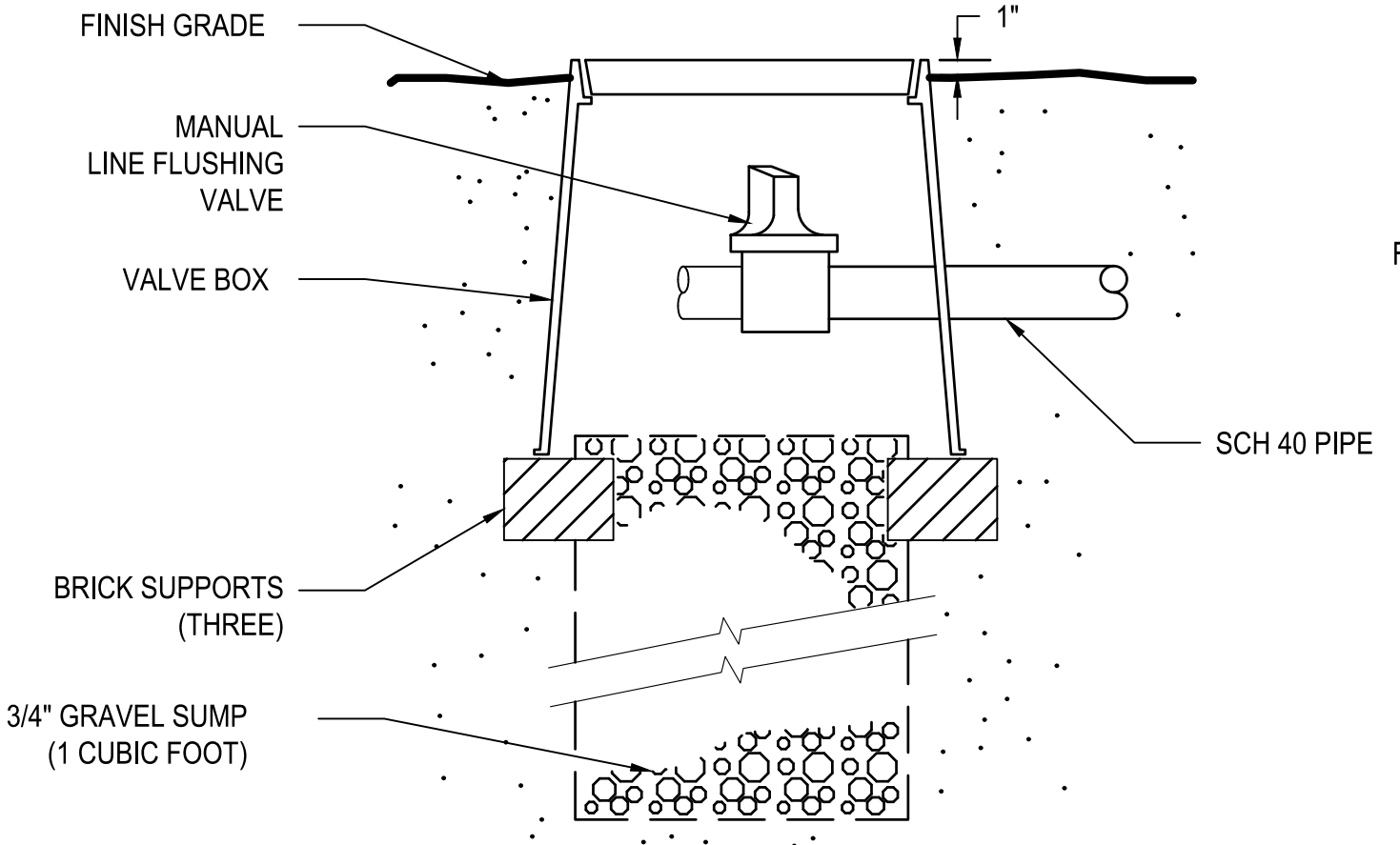
City of Bremerton
PUBLIC WORKS
DESIGN/CONSTRUCTION STANDARDS

3/4" TO 2" OUTSIDE INSTALLED IRRIGATION DOUBLE CHECK VALVE ASSEMBLY

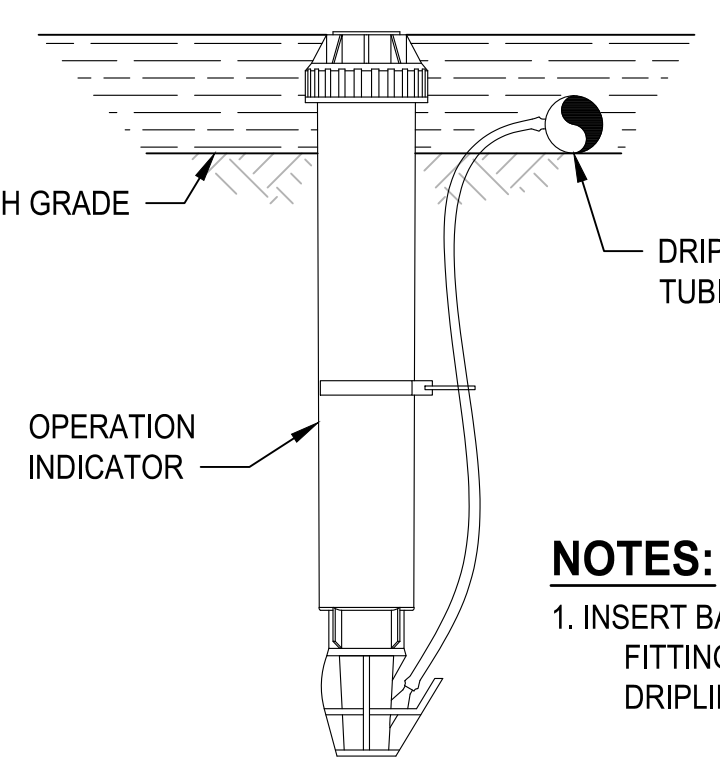
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Revision Date 9/15/14



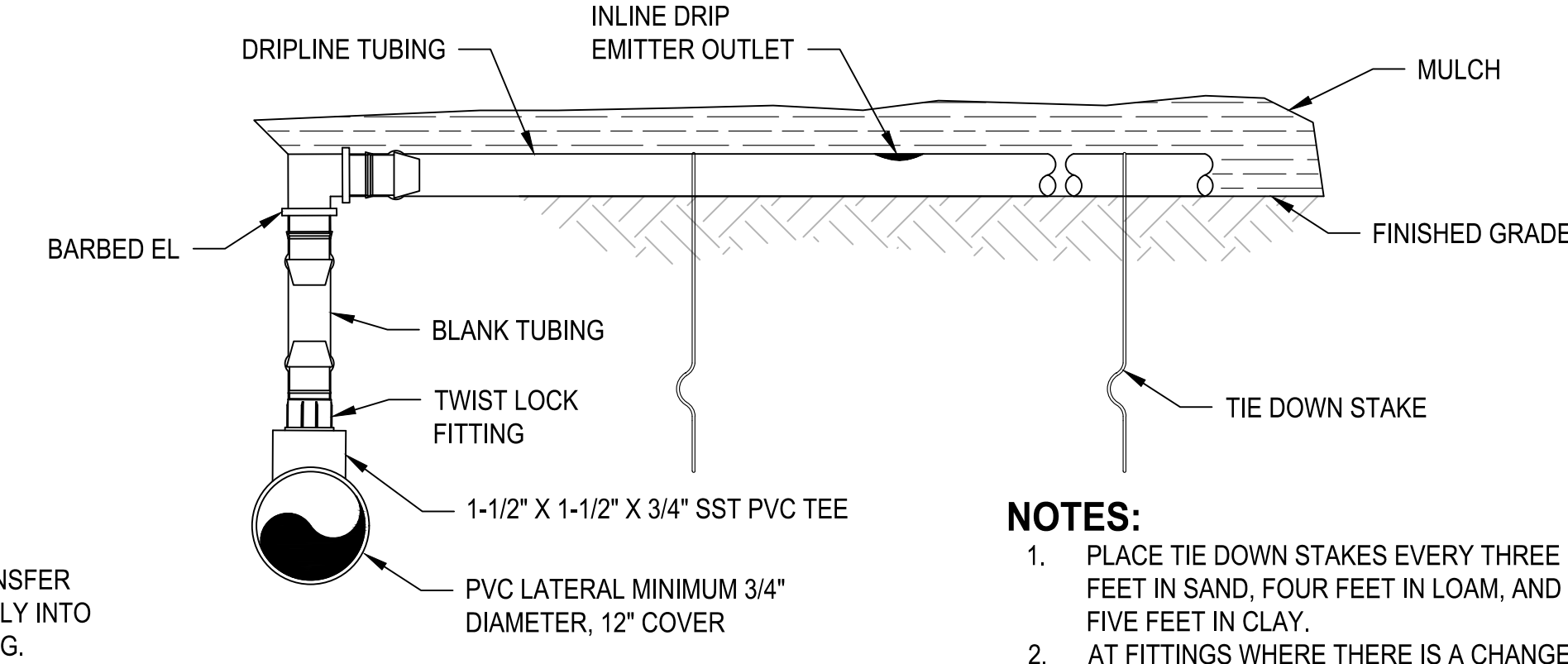
D RIP CONTROL VALVE BOX DETAIL
NO SCALE TYP



FLUSH VALVE DETAIL
NO SCALE TYP



SUB-SURFACE DRIPLINE OPERATION INDICATOR DETAIL
NO SCALE

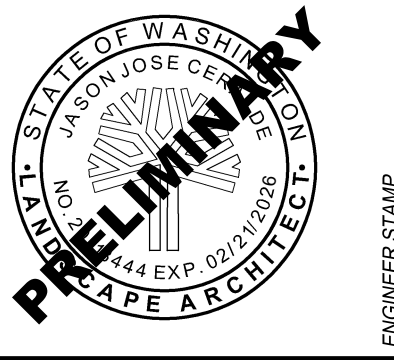


DRIPLINE INSERT ADAPTOR FOR PVC DETAIL
NO SCALE

- NOTES:**
- PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
 - AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES AT EACH LEG OF THE CHANGE OF DIRECTION. INSERTION PLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE DOWN STAKES.

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: J. CERALDE
WA PLA. # 20118444 DATE: 10/29/2025

DRAWN BY: J. CERALDE
DATE: 10/29/2025

CHECKED BY: J. SWENSON
WA PLA. # 656 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

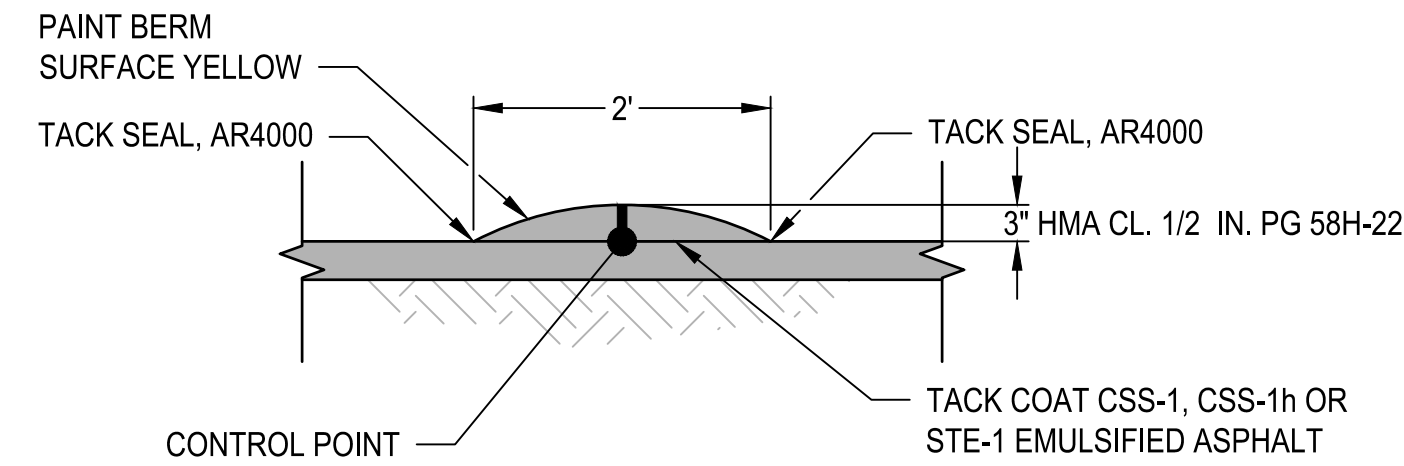
EAST 9TH STREET STORMWATER IMPROVEMENTS

IRRIGATION DETAILS

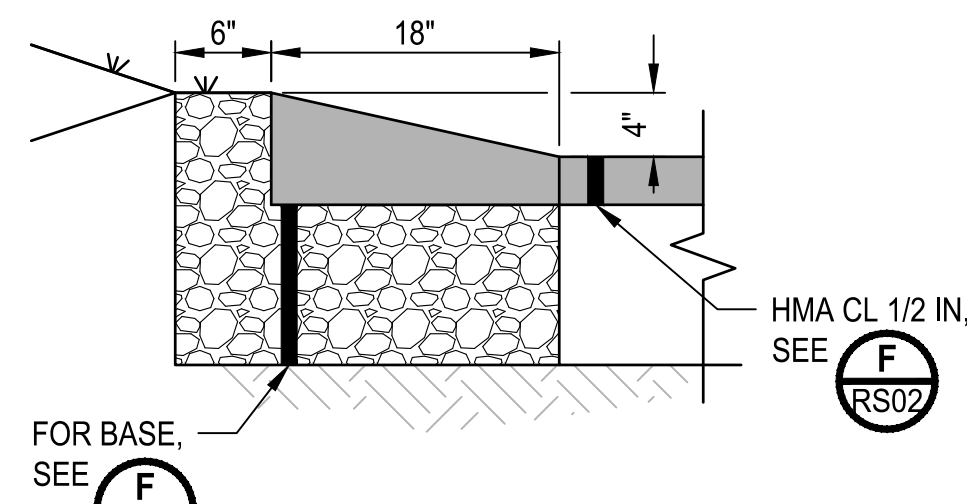
SHEET
53 OF 65

PN: 234-1896-196

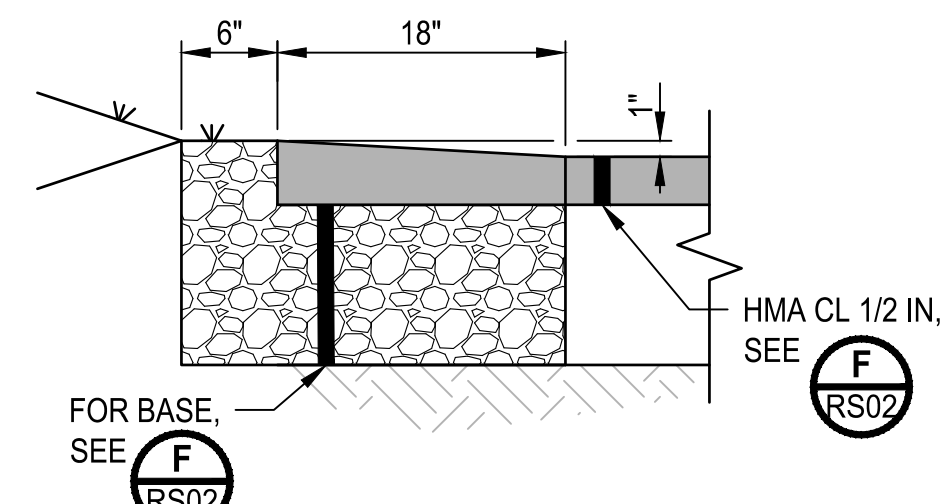
PLATE
IR02



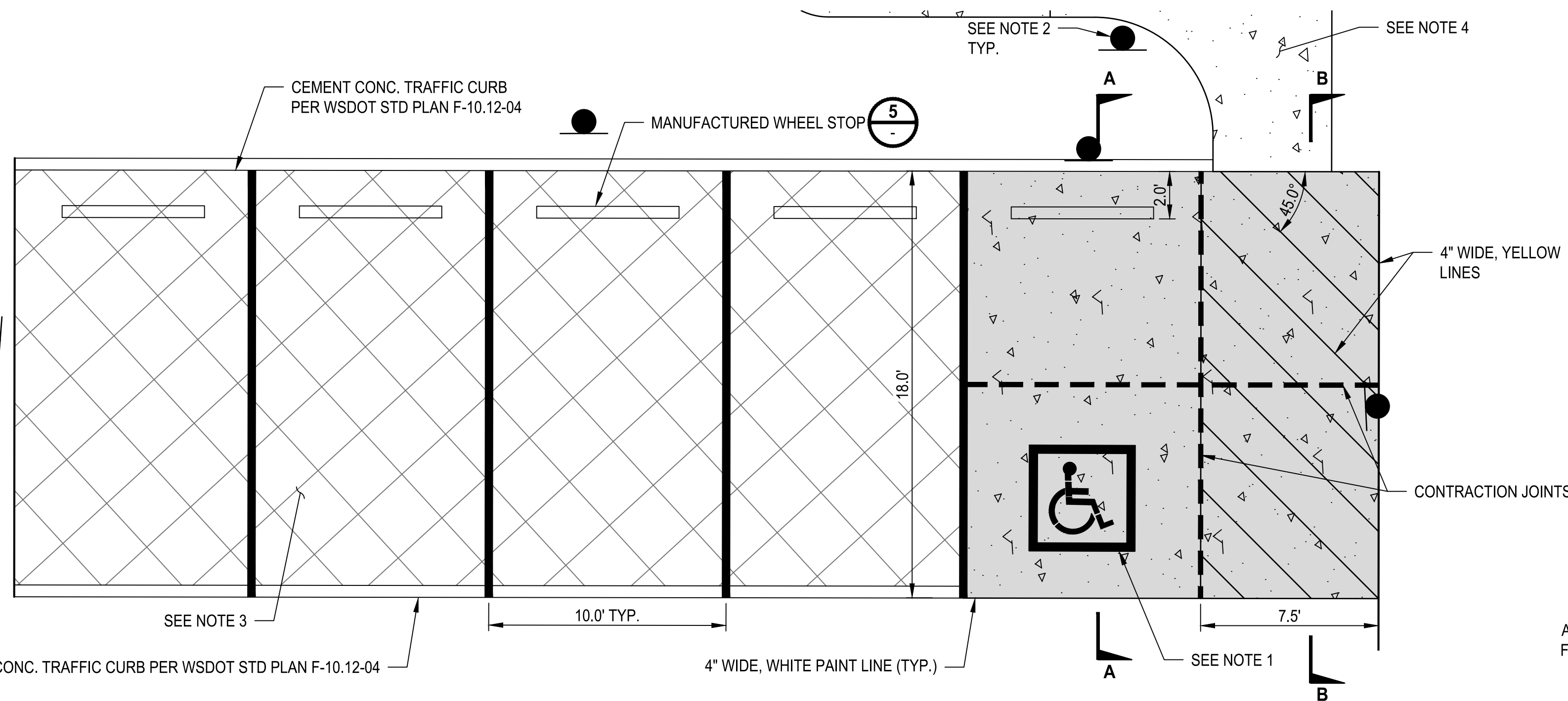
ASPHALT STORMWATER BERM DETAIL
N.T.S. RD02, RD04



ASPHALT WEDGE CURB DETAIL
N.T.S. RD02, RD04, RD05



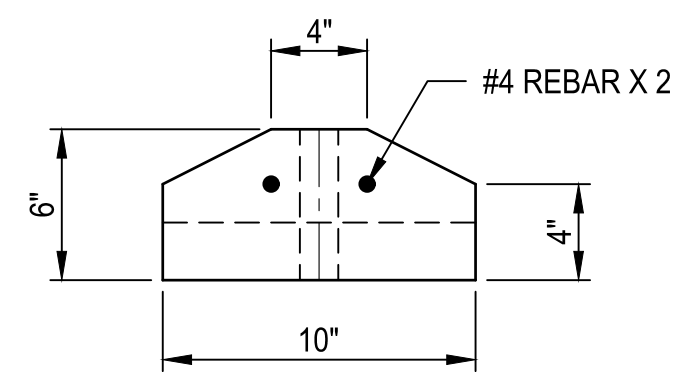
DEPRESSED ASPHALT WEDGE CURB DETAIL
N.T.S. RD05, DW01



9TH ST PARKING LOT DETAIL
N.T.S. RD03, GR08

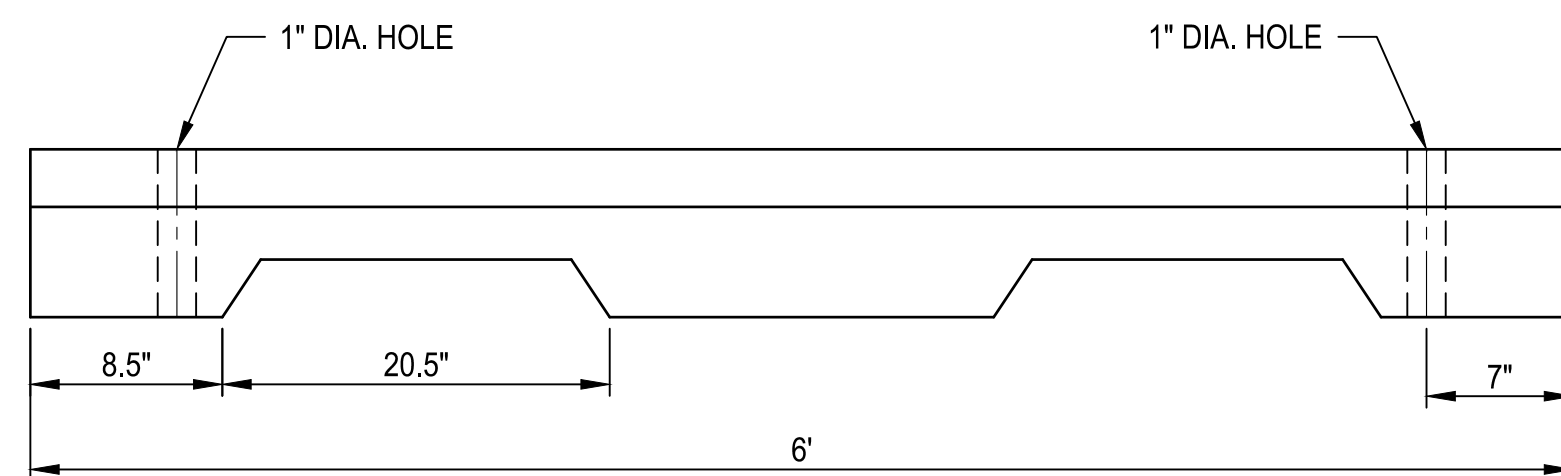
NOTES:

1. PLASTIC ACCESS PARKING SPACE SYMBOL (STANDARD) WITH BLUE BACKGROUND AND WHITE BORDER PER WSDOT STD PLAN M-24.60-04
2. FOR ALL SIGN AND POST LOCATION SEE SHEET CH03.
3. FOR CEMENT CONCRETE GRID-PAVER INTERPLANTED WITH SEEDED LAWN, SEE LS SHEETS.
4. FOR PARK GRADING, SEE SR SHEETS.
5. FOR PARKING LOT GRADING, SEE SHEET GR08.

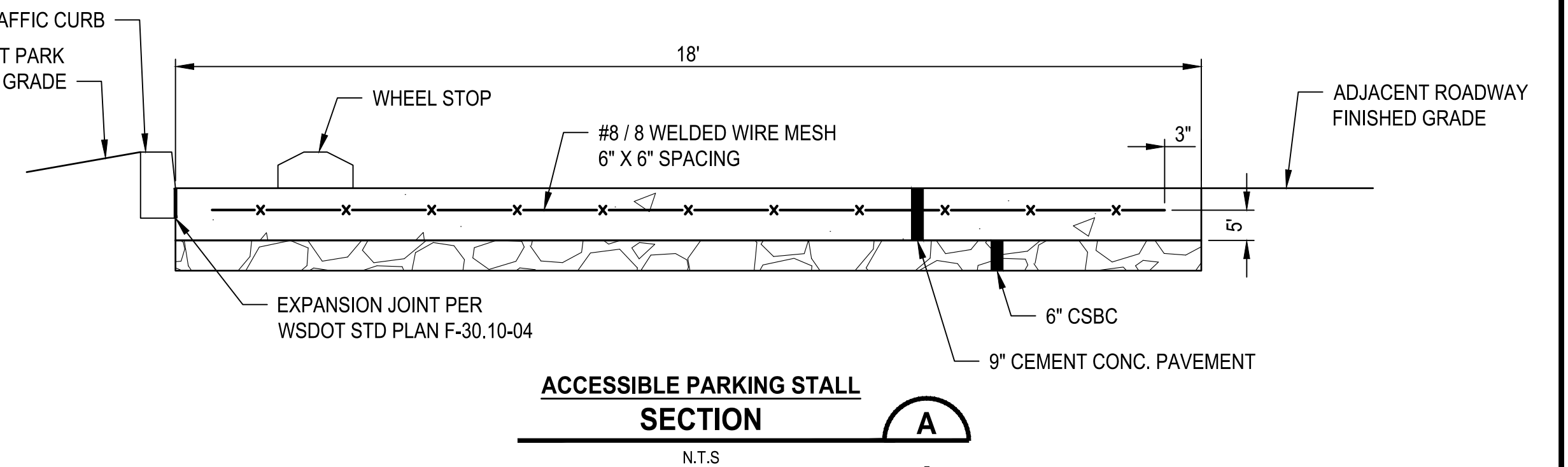


NOTES:

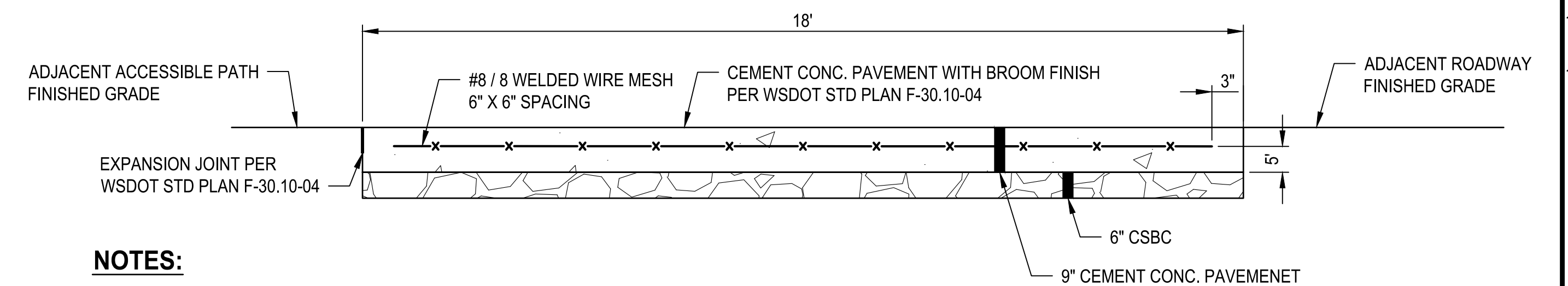
1. MANUFACTURED WHEEL STOP SHALL BE PREFABRICATED REDI-ROCK WHEELSTOP (72\"/>



MANUFACTURED WHEEL STOP DETAIL
N.T.S.



ACCESSIBLE PARKING STALL SECTION A
N.T.S.

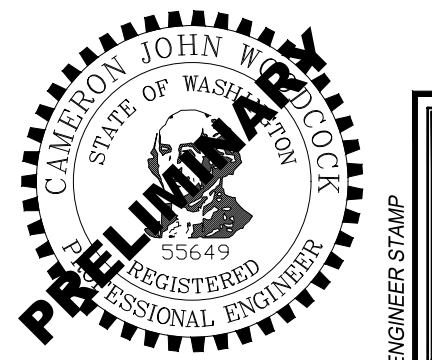


ACCESSIBLE PARKING STALL PATH SECTION B
N.T.S.

NOTES:

1. FOR ADJACENT ROADWAY SECTION, SEE RS SHEETS FOR HMA, CSTC, AND CSBC THICKNESS.

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

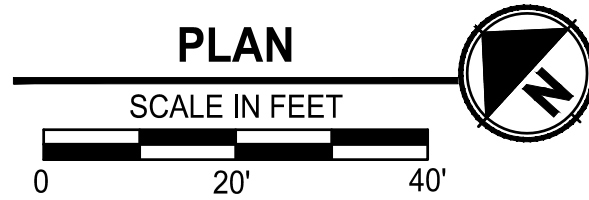
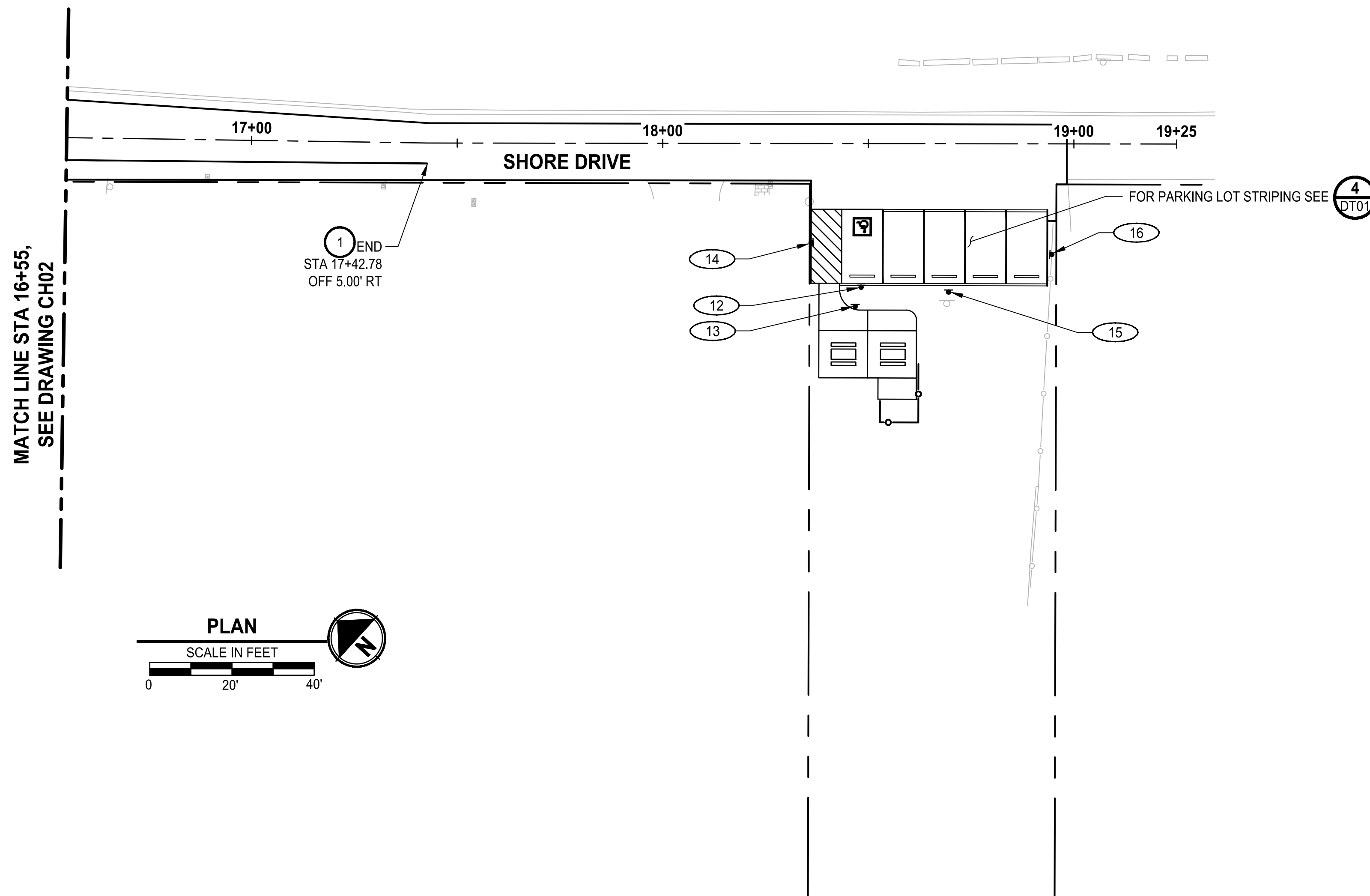
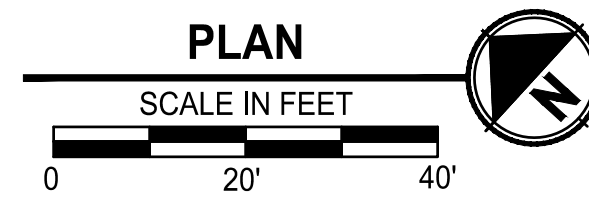
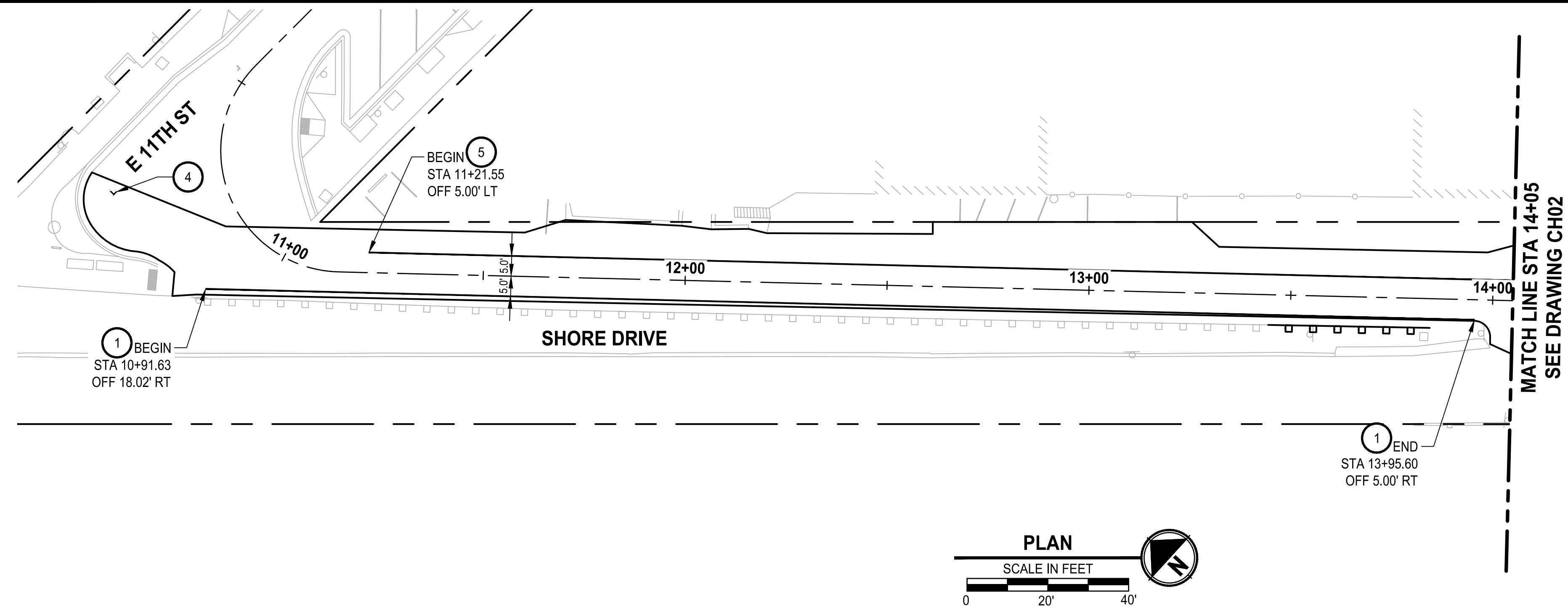
EAST 9TH STREET STORMWATER IMPROVEMENTS
ROADWAY DETAILS

SHEET
54 OF 65

PN: 234-1896-196

PLATE
DT01

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- GENERAL NOTES:**
- FOR TYPICAL ROADWAY SECTIONS, SEE RS SHEETS.
 - APPROXIMATE STATIONS PROVIDED. CONTRACTOR SHALL PROVIDE PRELIMINARY SPOTTING AND VERIFY IN THE FIELD WITH ENGINEER PRIOR TO INSTALLING PAVEMENT MARKINGS.
 - FOR HORIZONTAL ALIGNMENT DATA, SEE SHEET HC01.
 - TYPE D (MMA) PLASTIC SHALL BE USED FOR ALL PLASTIC PAVEMENT MARKINGS.
 - RPMs REMOVED DUE TO IMPROVEMENTS ON PITT AVE SHALL BE REPLACED IN KIND.

- CONSTRUCTION NOTES:**
- WHITE PLASTIC EDGE LANE LINE PER WSDOT STD PLAN M-20.10-04
 - PLASTIC STOP LINE PER WSDOT STD PLAN M-24.60-04
 - MATCH EXISTING CHANNELIZATION
 - RESTORE PARKING SPOT MARKING. DIMENSIONS, MATERIAL, AND COLOR SHALL MATCH ADJACENT PARKING SPOT MARKINGS.
 - YELLOW PLASTIC EDGE LINE PER WSDOT STD PLAN M-20.10-04
 - YELLOW PLASTIC CENTERLINE PER WSDOT STD PLAN M-20.10-04

- LEGEND:**
- PROPOSED SIGN
 - EXISTING SIGN
 - SIGN SCHEDULE NOTE

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK DRAWN BY: J. AKADA CHECKED BY: B. TUMBLING
 WA P.E.# 55649 DATE: 10/29/2025 DATE: 10/29/2025 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
SIGNING & CHANNELIZATION PLAN

SHEET
55 OF 65
 PN: 234-1896-196
 PLATE
CH01

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GENERAL NOTES:

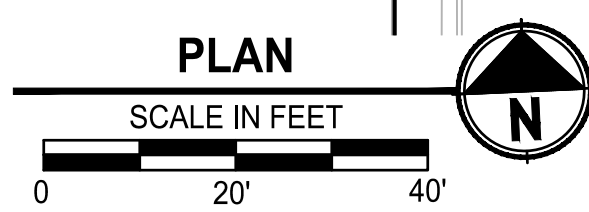
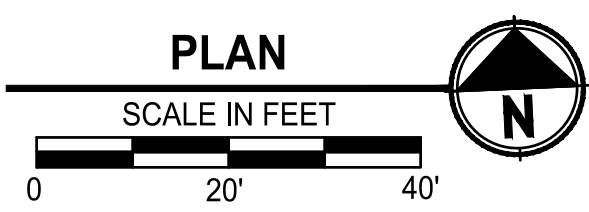
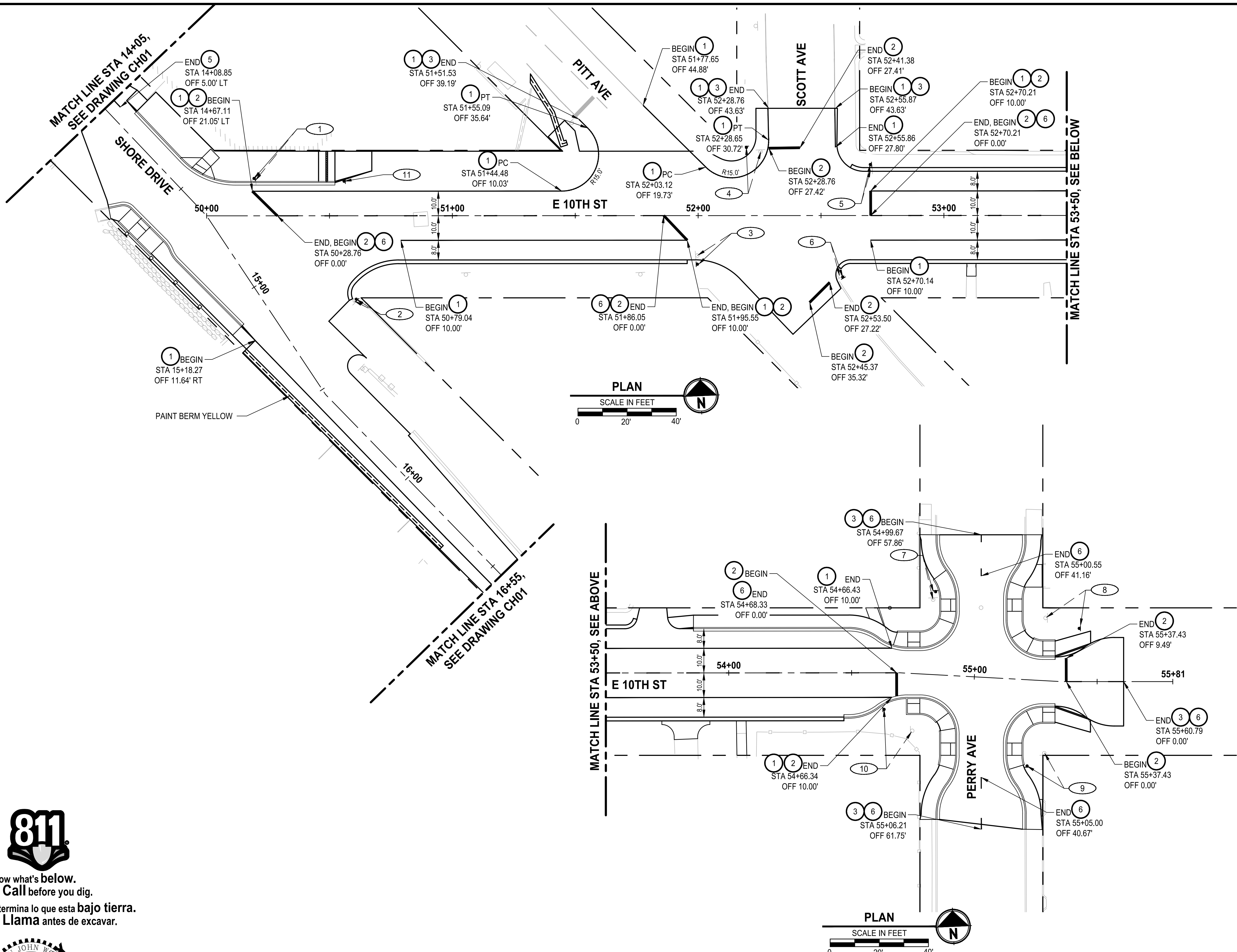
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CONSTRUCTION NOTES:

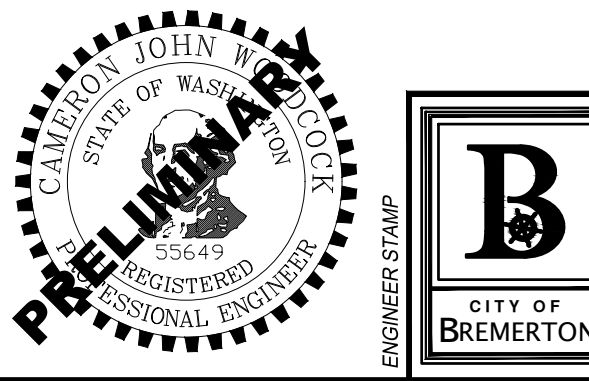
- WHITE PLASTIC EDGE LANE LINE PER WSDOT STD PLAN M-20.10-04
- PLASTIC STOP LINE PER WSDOT STD PLAN M-24.60-04
- MATCH EXISTING CHANNELIZATION
- RESTORE PARKING SPOT MARKING. DIMENSIONS, MATERIAL, AND COLOR SHALL MATCH ADJACENT PARKING SPOT MARKINGS.
- YELLOW PLASTIC EDGE LINE PER WSDOT STD PLAN M-20.10-04
- YELLOW PLASTIC CENTERLINE PER WSDOT STD PLAN M-20.10-04

LEGEND:

-  PROPOSED SIGN
-  EXISTING SIGN
-  SIGN SCHEDULE NOTE



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 Llama antes de excavar.



NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
 WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: J. AKADA
 DATE: 10/29/2025

CHECKED BY: B. TUMBLING
 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
SIGNING & CHANNELIZATION PLAN

SHEET
56 OF 65
 PN: 234-1896-196
 PLATE
CH02

FILE: P:\S1896\1896-CH02
 LAYOUT: CH02
 DATE: Wednesday, October 29, 2025 3:20:05 PM
 PLOTTED BY: Akadaba
 DATE: Wednesday, October 29, 2025 3:20:05 PM
 PATH: U:\PSO\Projects\Clients\1896-CityOfBremerton\234-1896-196 EBUSIS\Stormwater\improv\995sca\CADD\DWG

90% REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION

NEW SIGN INSTALLATION SCHEDULE						
(X)	MUTCD #	DESCRIPTION	LOCATION	SIZE	SHEETING TYPE	REMARKS
01	R1-1	STOP SIGN	STA 50+19.2, 16.7' LT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST. "NO PARKING HERE TO CORNER" SIGN TO BE RELOCATED SEE SIGN 11
		SHORE DR			TYPE IV	
		E 10TH ST			TYPE IV	
		NO PARKING HERE TO CORNER			TYPE IV	
2	R1-1	STOP SIGN	STA 50+61.27, 33.5' RT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST
	R5-1	DO NOT ENTER SIGN			TYPE IV	
03	R1-1	STOP SIGN	STA 52+00.0, 21.7' RT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST
	R1-3P	ALL WAY			TYPE IV	
		PITT AVE			TYPE IV	
		E 10TH ST			TYPE IV	
04	R1-1	STOP SIGN	STA 52+19.6, 27.7' LT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST
	R1-3P	ALL WAY			TYPE IV	
05	R1-1	STOP SIGN	STA 52+70.1, 20.7' LT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST
	R1-3P	ALL WAY			TYPE IV	
		SCOTT AVE			TYPE IV	
		E 10TH ST			TYPE IV	
06	R1-1	STOP SIGN	STA 52+58.8, 25.0' RT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST
	R1-3P	ALL WAY			TYPE IV	
07		E 10TH ST	STA 54+81.5, 33.7' LT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST
		PERRY AVE			TYPE IV	
08	R1-1	STOP SIGN	STA 55+35.0, 19.0' LT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST
09		E 10TH ST	STA 55+24.2, 34.7' RT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST
		PERRY AVE			TYPE IV	
10	R1-1	STOP SIGN	STA 54+66.9, 19.7' RT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN/SIGNS ON NEW POST
		NO PARKING WITHIN 30 FT			TYPE IV	
11		NO PARKING HERE TO CORNER	STA 50+55.9, 14.1' LT	MATCH EXISTING	TYPE IV	INSTALL NEW SIGN ON NEW POST
12	R7-8	RESERVED PARKING	STA 18+48.4, 34.9' RT	12"X18"	TYPE IV	INSTALL NEW SIGNS ON NEW POST
	R7-8a	VAN ACCESSIBLE			18"X9"	
13		NO OVERNIGHT CAMPING	STA 18+46.8, 39.8' RT	11"X17"	TYPE IV	INSTALL NEW SIGNS ON NEW POST. COORDINATE WITH CITY FOR SIGNS
		SMOKE FREE ZONE			15"X21"	
14		PRIVATE PROPERTY	STA 18+36.3, 24.4' RT	12"X18"	TYPE IV	INSTALL NEW SIGNS ON FENCE
15		PARK RULES	STA 18+69.6, 36.2' RT	18"X24"	TYPE IV	INSTALL NEW SIGN ON NEW POST. COORDINATE WITH CITY FOR SIGN
16		PRIVATE PROPERTY	STA 18+94.7, 27.0' RT	12"X18"	TYPE IV	INSTALL NEW SIGNS ON FENCE

NOTES

- FOR SIGN INSTALLATION AND POST TYPE SEE CITY OF BREMERTON DETAIL 3251.



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Parametrix

NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

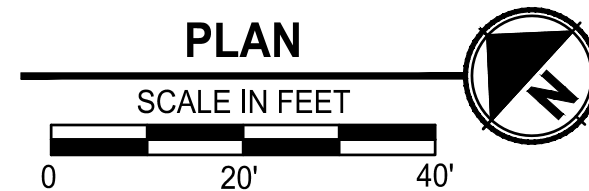
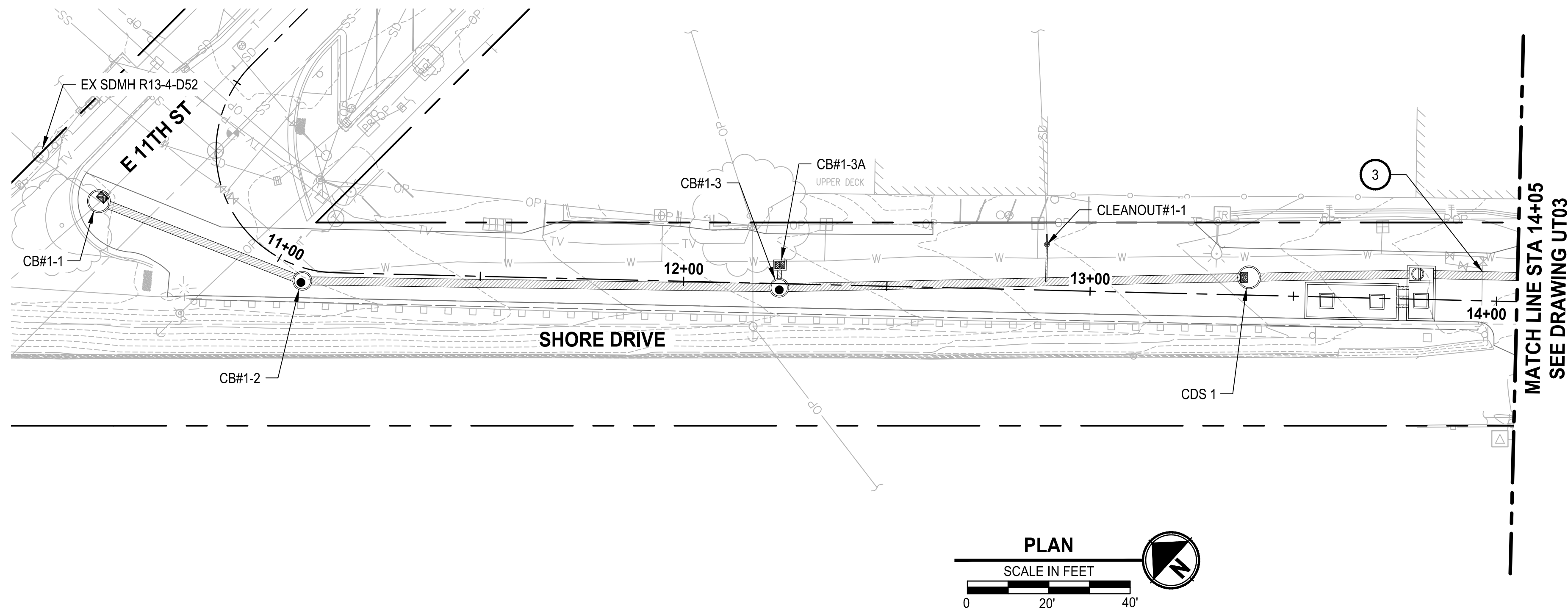
DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025
DRAWN BY: J. AKADA
DATE: 10/29/2025
CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.
GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
SIGNING SCHEDULE

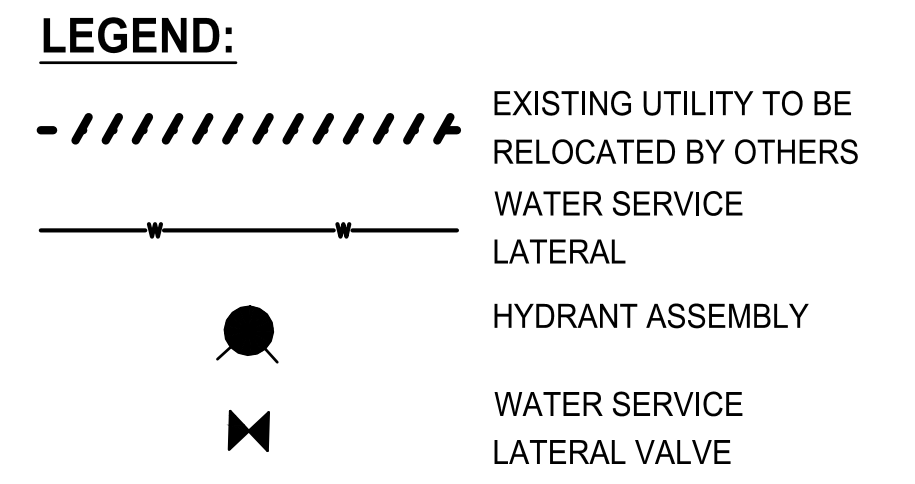
SHEET
57 OF 65
PN: 234-1896-196
PLATE
CH03

90 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

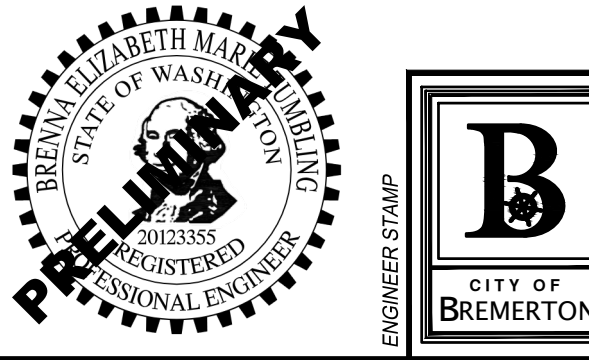


GENERAL NOTES:
 1. FOR DRAINAGE PLAN & PROFILES, SEE SHEETS DR01-DR04.
 2. FOR STORM DRAIN LATERALS, SEE SHEETS SD01-SD03.

- CONSTRUCTION NOTES:**
- 1 HYDRANT ASSEMBLY PER COB STD PLAN 5081
 - 2 EXISTING GAS LINE TO BE RELOCATED BY OTHERS
 - 3 EXISTING WATER LINE TO BE RELOCATED BY THE CITY OF BREMERTON
 - 4 2" DI WATER SERVICE LATERAL
 - 5 GATE VALVE PER COB STD PLAN 5081
 - 6 6" WATER SERVICE LATERAL PER COB STD PLAN 5081



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. ODEGARD DRAWN BY: G. CRUZ CHECKED BY: B. TUMBLING
 WA P.E.# N/A DATE: 10/29/2025 DATE: 10/29/2025 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
UTILITIES PLAN

SHEET
58 OF 65

PN: 234-1896-196
 PLATE
UT01

90% REVIEW SUBMITTAL
 NOT FOR CONSTRUCTION

FILE: P:\S1896196-UT01 LAYOUT: UT01 PATH: U:\PSO\Project\Clients\1896-CityOfBremerton\234-1896-196 E9thStStormwaterImprov\985vec\CADD\DWG PLOTTED BY: Akadubas DATE: Wednesday, October 29, 2025 6:07:51 PM


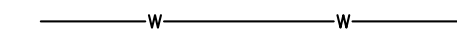


GENERAL NOTES:

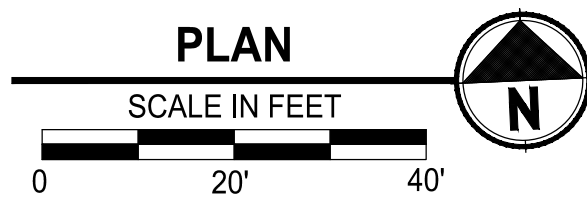
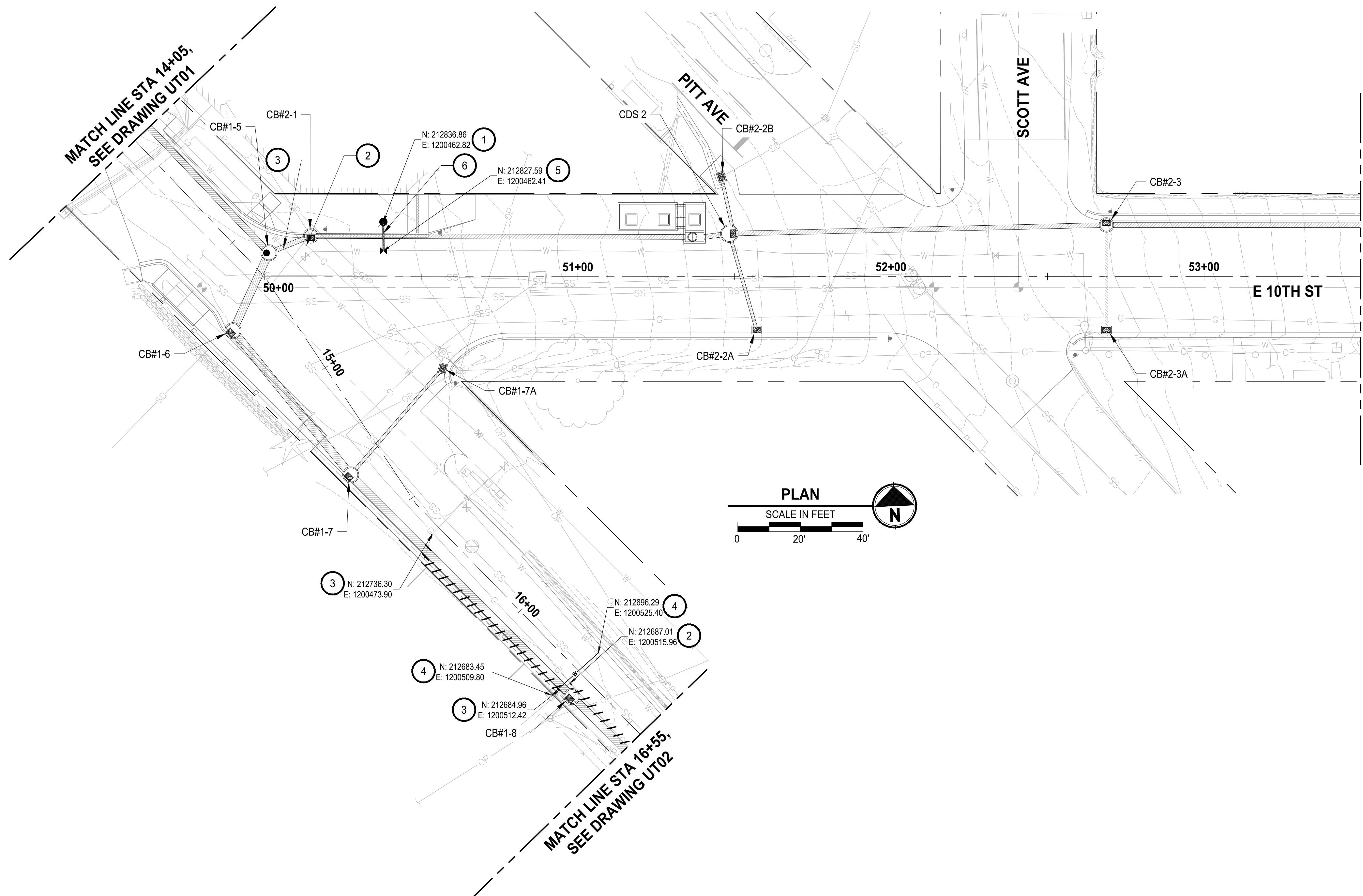
- FOR DRAINAGE PLAN & PROFILES, SEE SHEETS DR01-DR04.
- FOR STORM DRAIN LATERALS, SEE SHEETS SD01-SD03.

CONSTRUCTION NOTES:

- HYDRANT ASSEMBLY PER COB STD PLAN 5081
- EXISTING GAS LINE TO BE RELOCATED BY OTHERS
- EXISTING WATER LINE TO BE RELOCATED BY THE CITY OF BREMERTON
- 2" DI WATER SERVICE LATERAL
- GATE VALVE PER COB STD PLAN 5081
- 6" WATER SERVICE LATERAL PER COB STD PLAN 5081

LEGEND:

-  EXISTING UTILITY TO BE RELOCATED BY OTHERS
-  WATER SERVICE LATERAL
-  HYDRANT ASSEMBLY
-  WATER SERVICE LATERAL VALVE

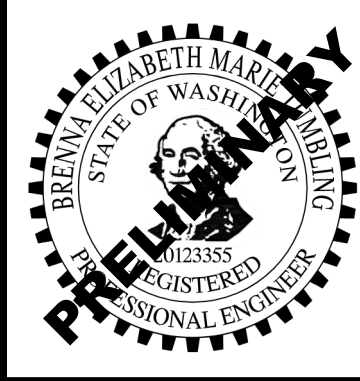


MATCH LINE STA 53+50, SEE DRAWING UT04

MATCH LINE STA 16+55, SEE DRAWING UT02



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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. ODEGARD DRAWN BY: G. CRUZ CHECKED BY: B. TUMBLING
WA P.E.# N/A DATE: 10/29/2025 DATE: 10/29/2025 WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

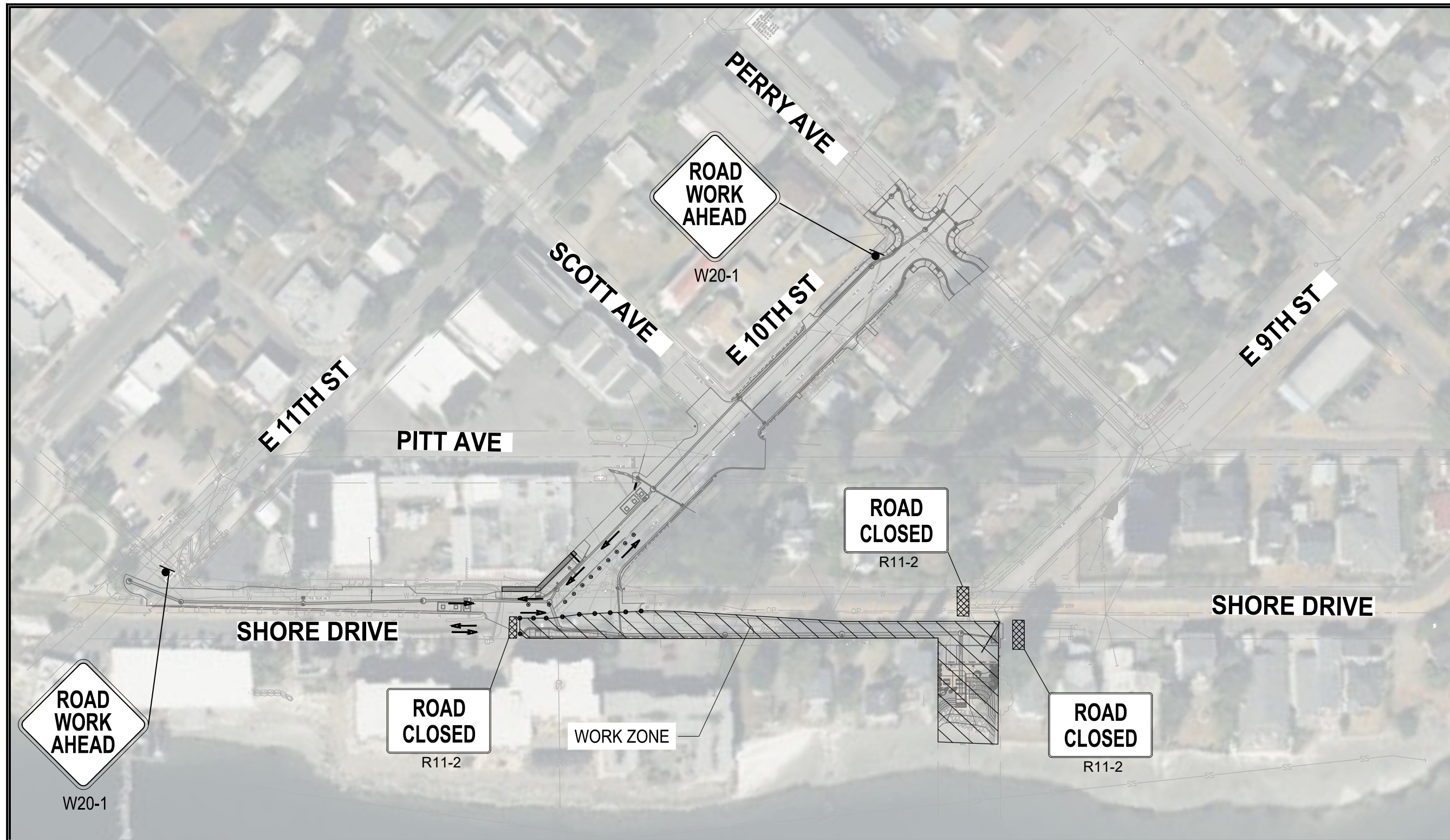
GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
UTILITIES PLAN

SHEET
60 OF 65
PN: 234-1896-196
PLATE
UT03

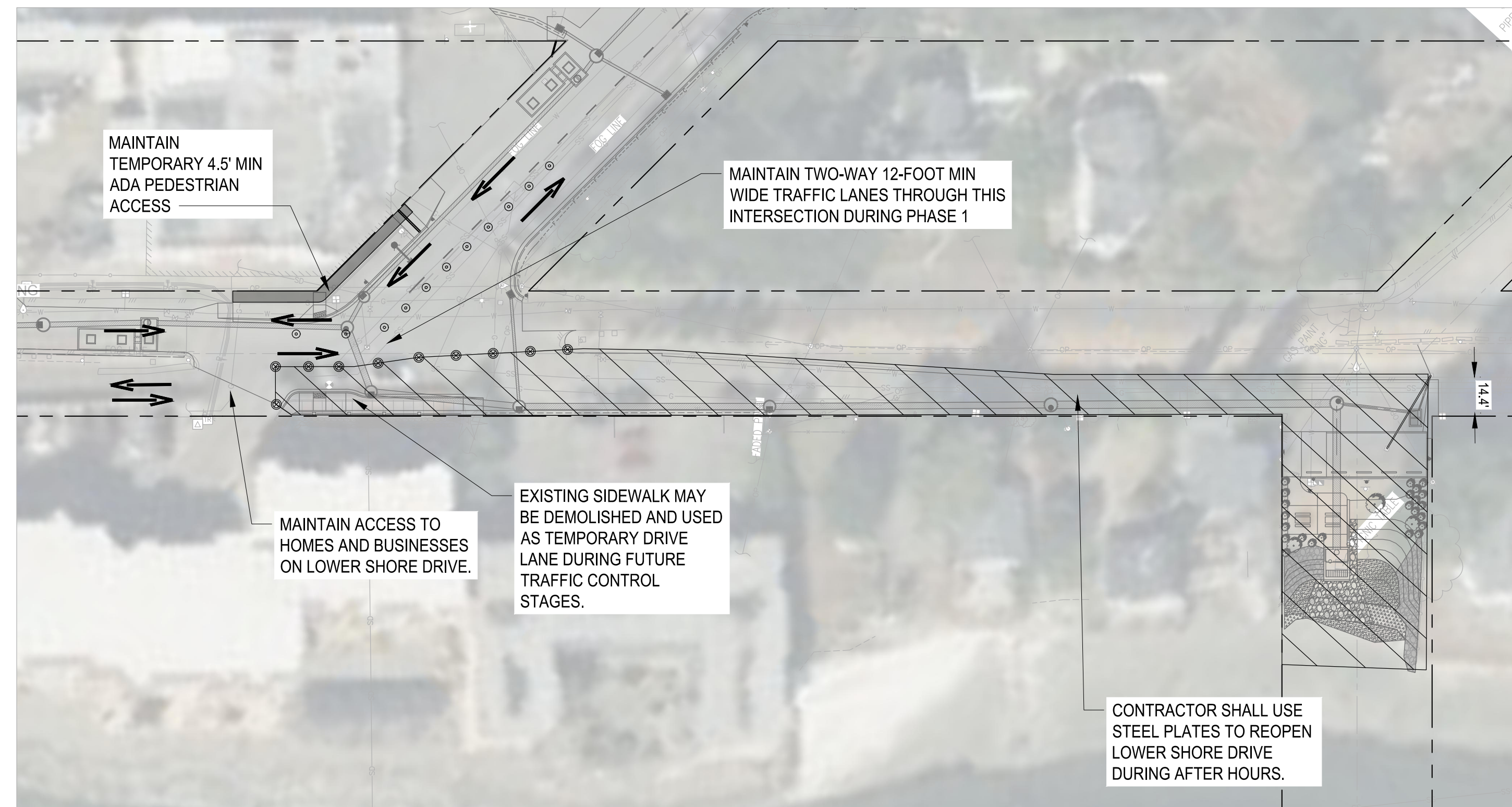
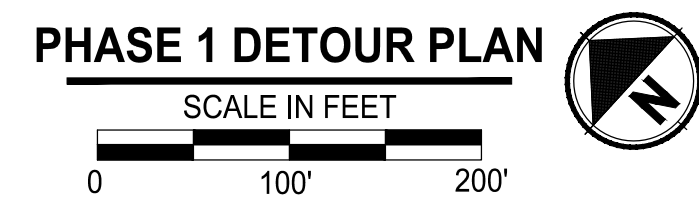
90 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

FILE: P:\S\696196-UT03 LAYOUT: UT03 PATH: U:\P\50\Projects\Clients\1896-CityOfBremerton\234-1896-196 E:\S\Stormwater\Improv\995\cadd\DWG PLOTTED BY: Gdegado DATE: Thursday, October 30, 2025 11:22:07 AM



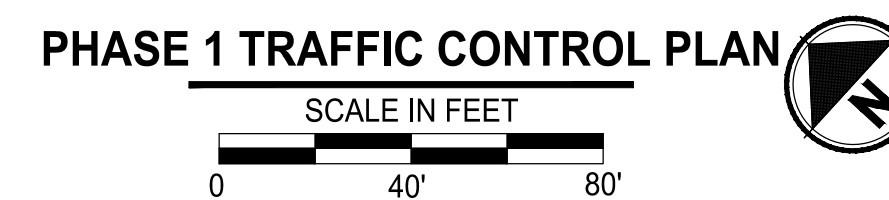
GENERAL NOTES:

1. TRAFFIC CONTROL MEASURES DEPICTED IN THESE PLANS ARE TO BE USED BY THE CONTRACTOR AS A TOOL TO DESIGN THE FINAL TRAFFIC CONTROL PLAN. CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND MAINTAINING FINAL TRAFFIC CONTROL PLANS.
2. REFER TO MUTCD FOR SIGN DETAILS.
3. EXACT LOCATION OF SIGNS TO BE PROPOSED BY THE CONTRACTOR AND SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. ALL SIGNS TO REMAIN UNTIL CONSTRUCTION IS COMPLETE UNLESS DIRECTED BY THE TRAFFIC CONTROL SUPERVISOR.
5. KEEP PEDESTRIAN ACCESS AT ALL TIME
6. CONTRACTOR SHALL BE ABLE TO OPEN THE ROAD FOR EMERGENCY VEHICLES WITHIN 10 MINS AT ALL TIME
7. SIDE STREET CLOSURES SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS.
8. CONTRACTOR SHALL MAINTAIN AT LEAST ONE DRIVEWAY ACCESS TO THE EDGE WATER EAST APARTMENT AT ALL TIMES
9. ALL CONSTRUCTION SIGNS SHALL BE CONSIDERED CLASS B UNLESS ONE OF THE FOLLOWING APPLIES:
 - A) TEMPORARY MOUNTINGS AND SIGNS CANNOT FIT WITHIN RIGHT-OF-WAY AND ACCOMMODATE A MINIMUM FOUR FOOT WIDE PEDESTRIAN CIRCULATION PATH.
 - B) SIGNS WILL NOT BE MOVED FOR AT LEAST 28 CALENDAR DAYS AND APPROVED BY THE ENGINEER.
 - C) ARE SHOWN AS POST OR FIXED STRUCTURE MOUNTED ON THE PLANS.



LEGEND:

- TYPE 3 BARRICADE
- ROADWAY CLOSURE WORK ZONE
- TUBULAR MARKER
- SAFETY DRUM MARKER
- FLAGGING STATION



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CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025

DRAWN BY: C. WOODCOCK
DATE: 10/29/2025

CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
ARPA NO.

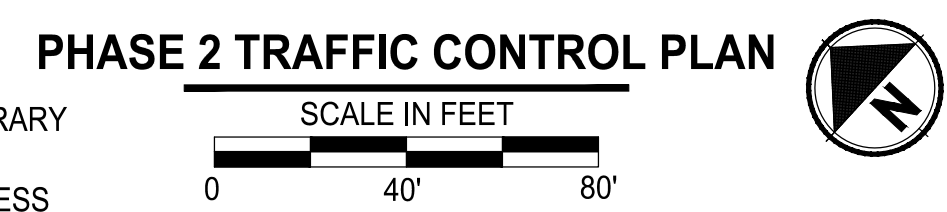
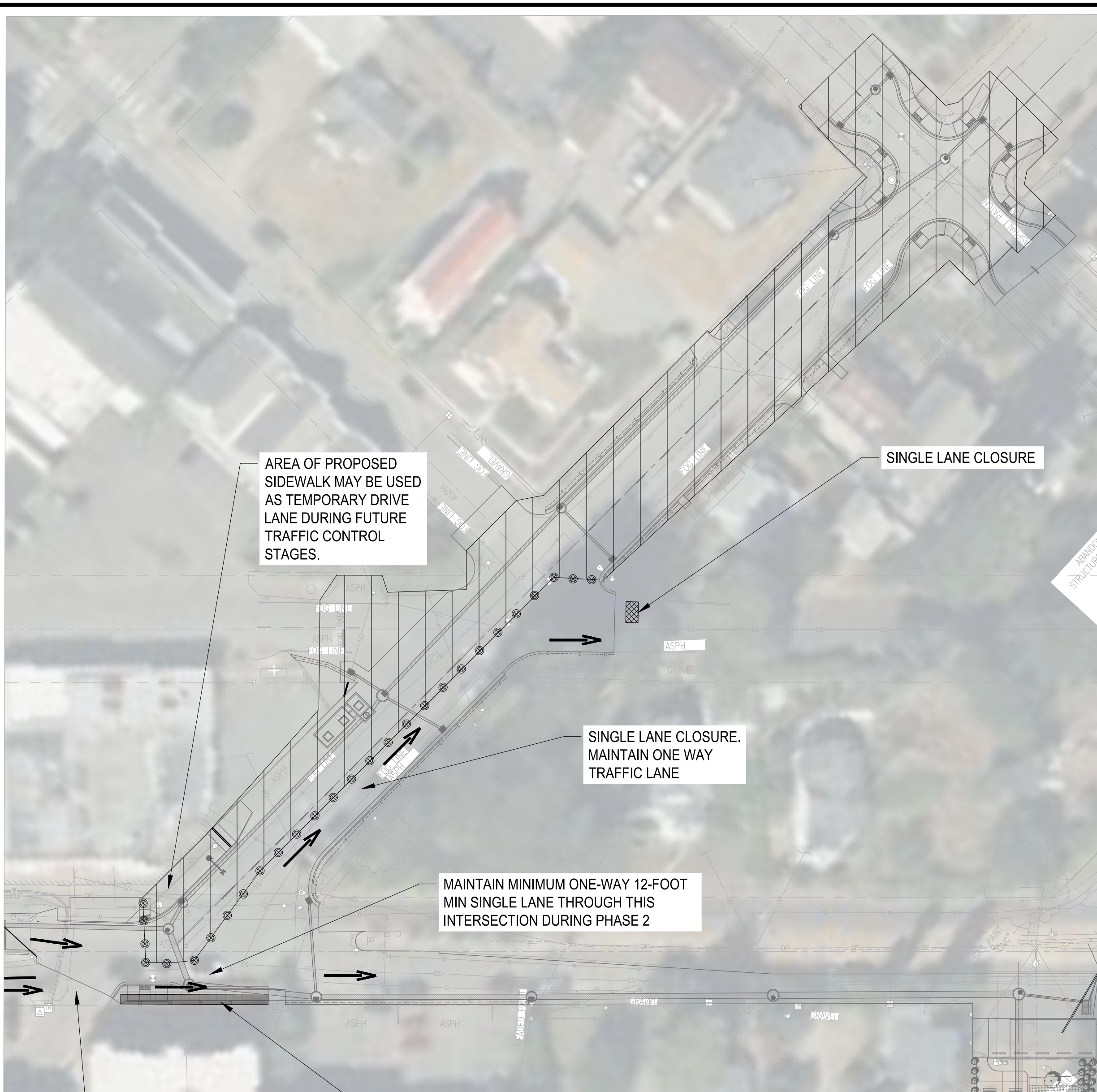
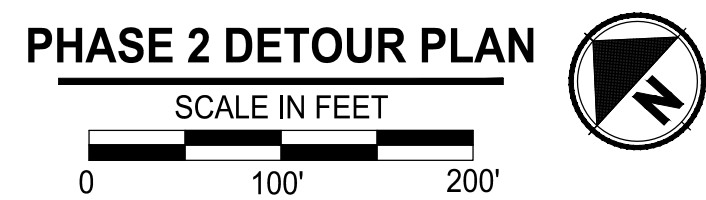
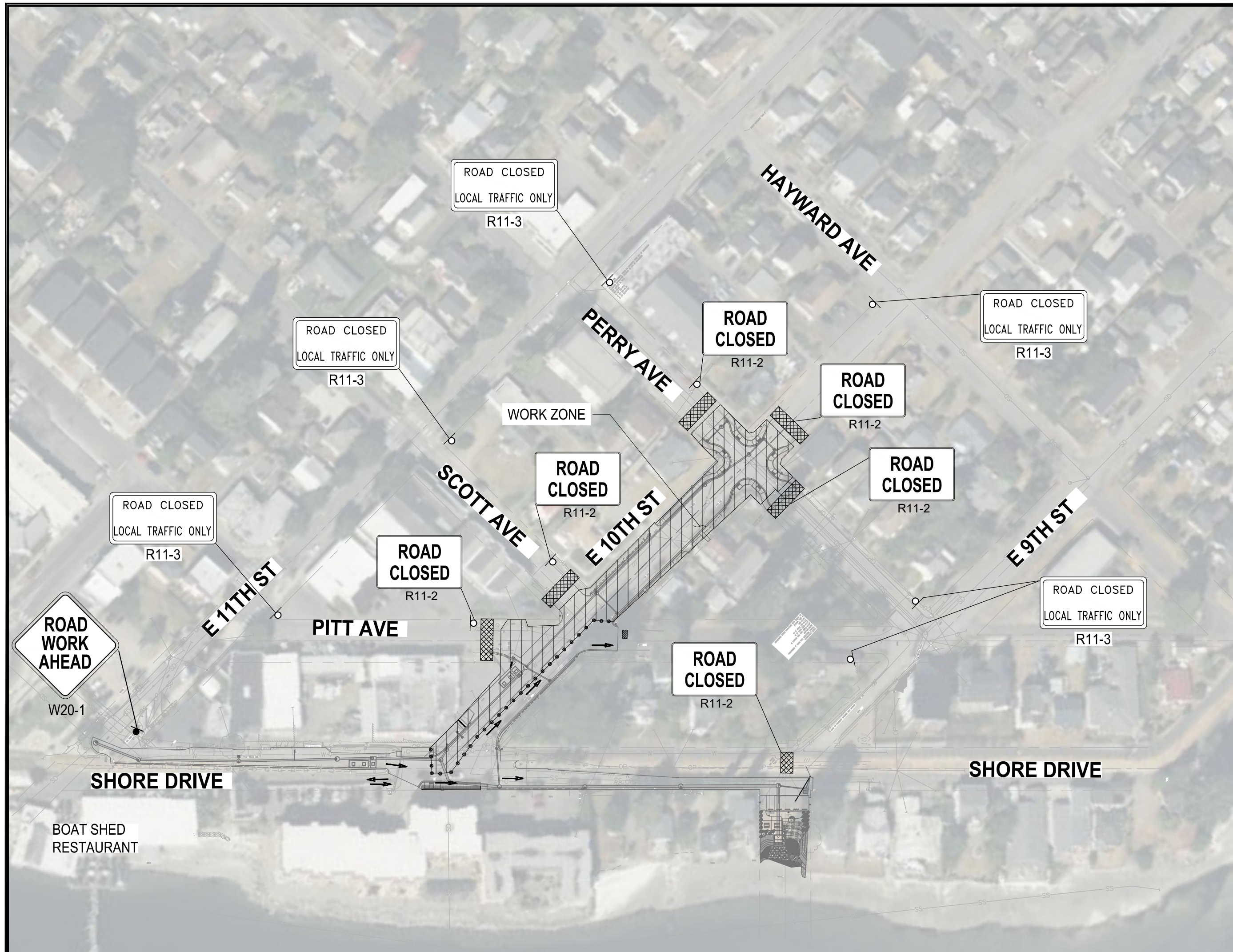
EAST 9TH STREET STORMWATER IMPROVEMENTS
TEMPORARY TRAFFIC CONTROL / DETOUR
PLANS

SHEET
62 OF 65

PN: 234-1896-196

PLATE
TC01

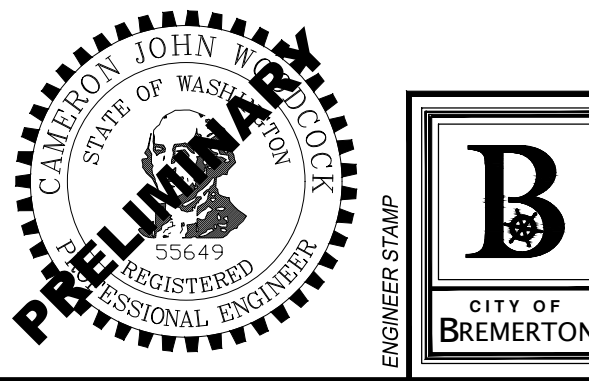
90 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION



- GENERAL NOTES:**
1. TRAFFIC CONTROL MEASURES DEPICTED IN THESE PLANS ARE TO BE USED BY THE CONTRACTOR AS A TOOL TO DESIGN THE FINAL TRAFFIC CONTROL PLAN. CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND MAINTAINING FINAL TRAFFIC CONTROL PLANS.
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 - A) TEMPORARY MOUNTINGS AND SIGNS CANNOT FIT WITHIN RIGHT-OF-WAY AND ACCOMMODATE A MINIMUM FOUR FOOT WIDE PEDESTRIAN CIRCULATION PATH.
 - B) SIGNS WILL NOT BE MOVED FOR AT LEAST 28 CALENDAR DAYS AND APPROVED BY THE ENGINEER.
 - C) ARE SHOWN AS POST OR FIXED STRUCTURE MOUNTED ON THE PLANS.

- LEGEND:**
- TYPE 3 BARRICADE
 - ROADWAY CLOSURE WORK ZONE
 - TUBULAR MARKER
 - SAFETY DRUM MARKER
 - FLAGGING STATION

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NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK DRAWN BY: C. WOODCOCK CHECKED BY: B. TUMBLING
 WA P.E.# 55649 DATE: 10/29/2025 WA P.E.# 20123355 DATE: 10/29/2025

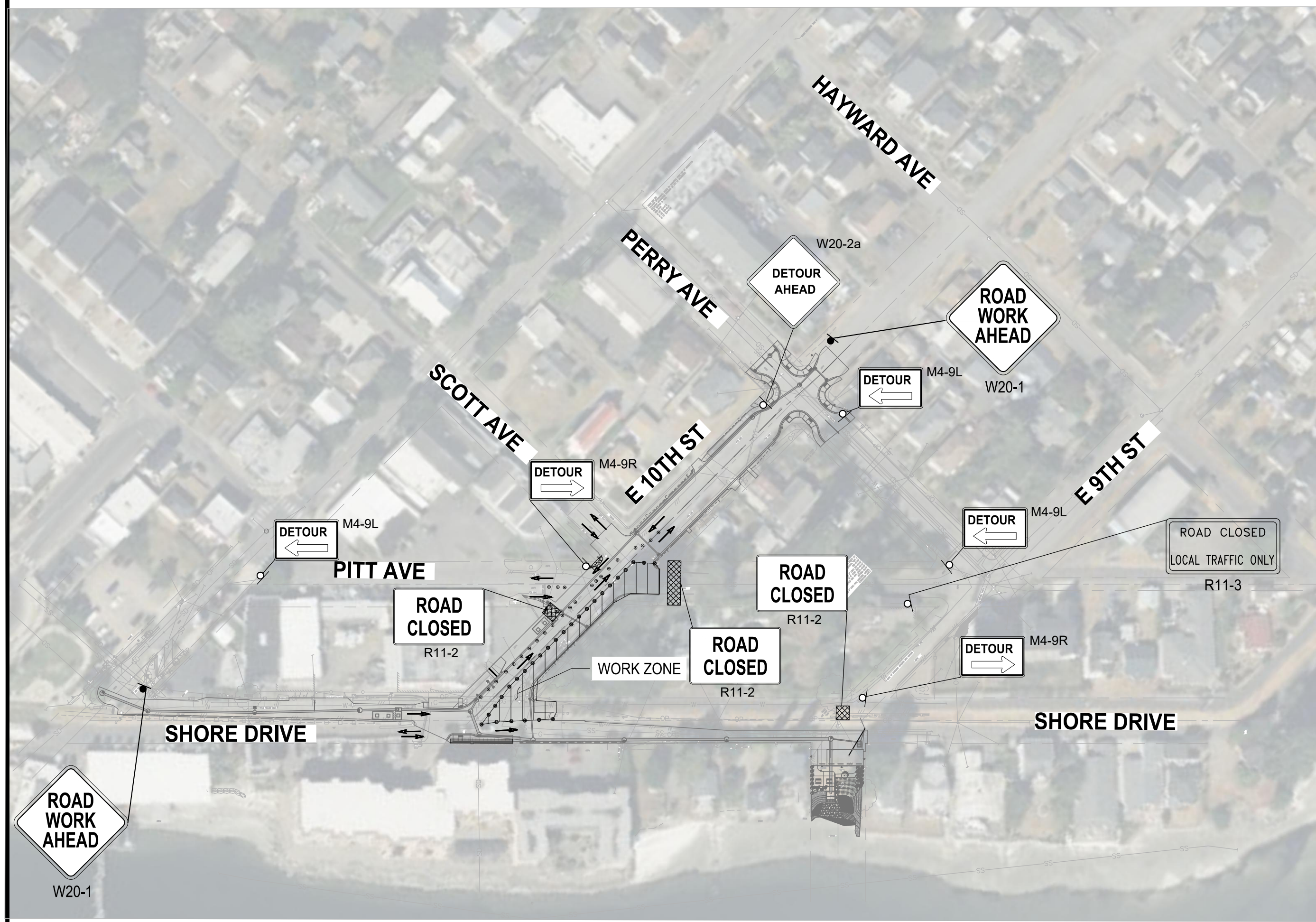
SECTION, TOWNSHIP, RANGE:
 S13, T24N, R1E, W.M.

GRANT/LOAN INFORMATION
 ARPA NO.

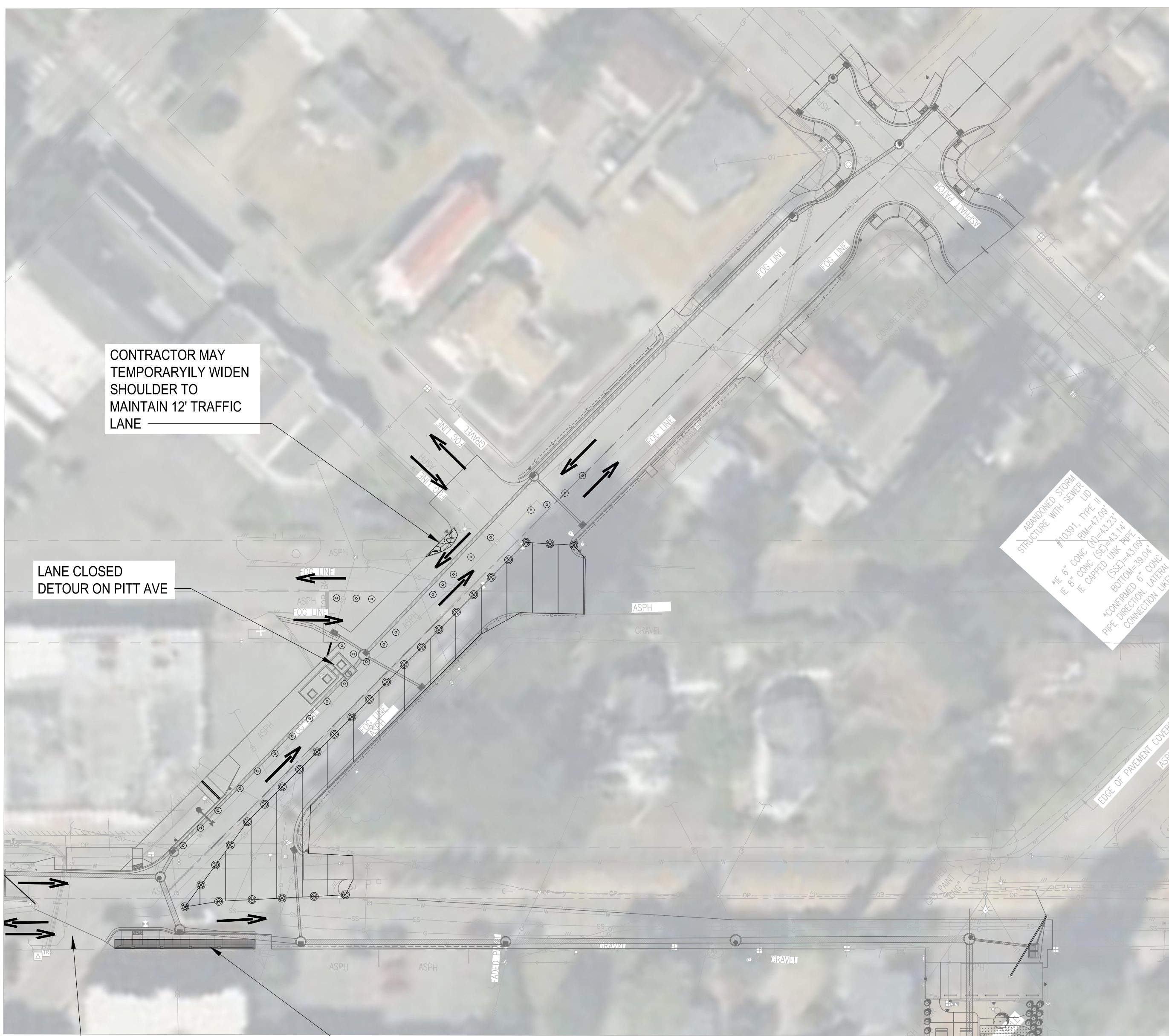
EAST 9TH STREET STORMWATER IMPROVEMENTS
TEMPORARY TRAFFIC CONTROL / DETOUR
PLANS

SHEET
63 OF 65
 PN: 234-1896-196
 PLATE
TC02

90 % REVIEW SUBMITTAL
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PHASE 3 DETOUR PLAN
SCALE IN FEET
0 100' 200'



PHASE 3 TRAFFIC CONTROL PLAN
SCALE IN FEET
0 40' 80'

GENERAL NOTES:

- TRAFFIC CONTROL MEASURES DEPICTED IN THESE PLANS ARE TO BE USED BY THE CONTRACTOR AS A TOOL TO DESIGN THE FINAL TRAFFIC CONTROL PLAN. CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND MAINTAINING FINAL TRAFFIC CONTROL PLANS.
- REFER TO MUTCD FOR SIGN DETAILS.
- EXACT LOCATION OF SIGNS TO BE PROPOSED BY THE CONTRACTOR AND SUBJECT TO THE APPROVAL OF THE ENGINEER.
- ALL SIGNS TO REMAIN UNTIL CONSTRUCTION IS COMPLETE UNLESS DIRECTED BY THE TRAFFIC CONTROL SUPERVISOR.
- KEEP PEDESTRIAN ACCESS AT ALL TIME
- CONTRACTOR SHALL BE ABLE TO OPEN THE ROAD FOR EMERGENCY VEHICLES WITHIN 10 MINS AT ALL TIME
- SIDE STREET CLOSURES SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS.
- ALL CONSTRUCTION SIGNS SHALL BE CONSIDERED CLASS B UNLESS ONE OF THE FOLLOWING APPLIES:
 - TEMPORARY MOUNTINGS AND SIGNS CANNOT FIT WITHIN RIGHT-OF-WAY AND ACCOMMODATE A MINIMUM FOUR FOOT WIDE PEDESTRIAN CIRCULATION PATH.
 - SIGNS WILL NOT BE MOVED FOR AT LEAST 28 CALENDAR DAYS AND APPROVED BY THE ENGINEER.
 - ARE SHOWN AS POST OR FIXED STRUCTURE MOUNTED ON THE PLANS.

- LEGEND:**
- TYPE 3 BARRICADE
 - ROADWAY CLOSURE WORK ZONE
 - TUBULAR MARKER
 - SAFETY DRUM MARKER

LANE WIDTH (feet)	MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)									
	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES	
TYPE OF TAPER	TAPER LENGTH
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5 L
SHOULDER TAPER	AT LEAST 0.33 L
ONE-LANE, TWO-WAY TRAFFIC TAPER	50 FT MIN, 100 FT MAX
DOWNSTREAM TAPER	50 FT MIN, 100 FT MAX

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

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CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
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DRAWN BY: C. WOODCOCK
DATE: 10/29/2025

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SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.

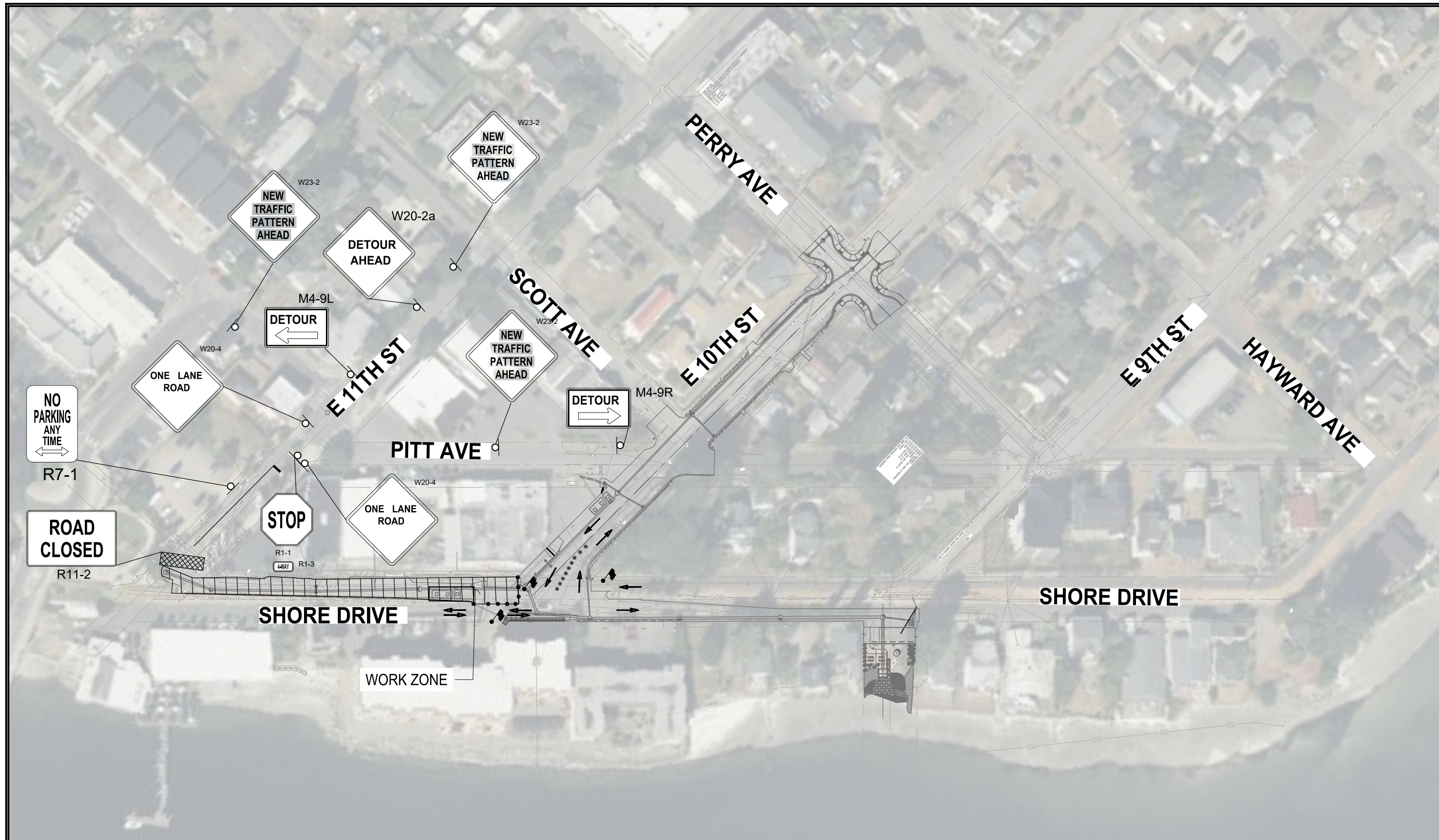
GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
TEMPORARY TRAFFIC CONTROL / DETOUR
PLANS

SHEET
64 OF 65

PN: 234-1896-196

PLATE
TC03



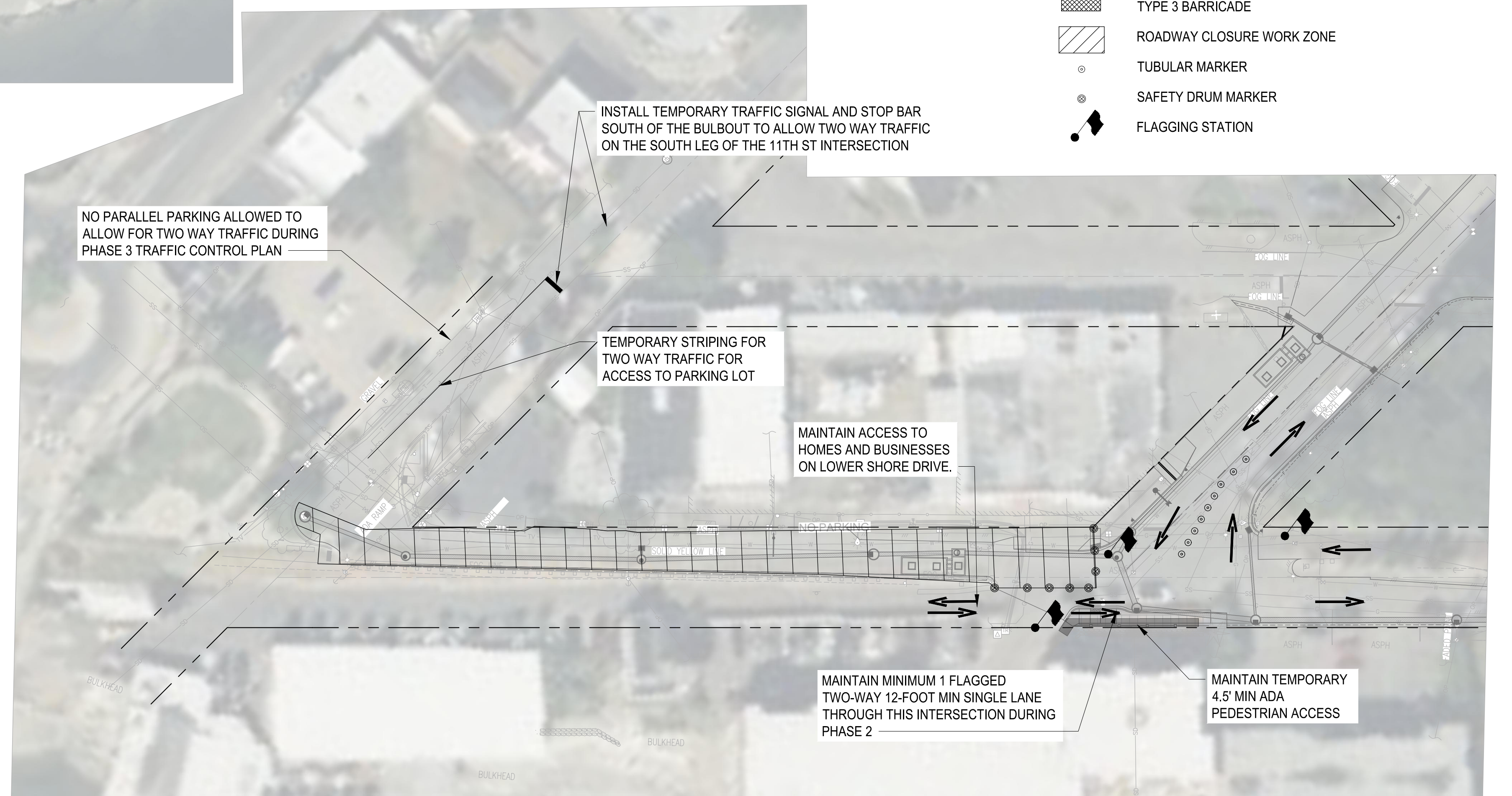
PHASE 4 DETOUR PLAN
SCALE IN FEET
0 100' 200'

GENERAL NOTES:

1. TRAFFIC CONTROL MEASURES DEPICTED IN THESE PLANS ARE TO BE USED BY THE CONTRACTOR AS A TOOL TO DESIGN THE FINAL TRAFFIC CONTROL PLAN. CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND MAINTAINING FINAL TRAFFIC CONTROL PLANS.
2. REFER TO MUTCD FOR SIGN DETAILS.
3. EXACT LOCATION OF SIGNS TO BE PROPOSED BY THE CONTRACTOR AND SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. ALL SIGNS TO REMAIN UNTIL CONSTRUCTION IS COMPLETE UNLESS DIRECTED BY THE TRAFFIC CONTROL SUPERVISOR.
5. KEEP PEDESTRIAN ACCESS AT ALL TIME
6. CONTRACTOR SHALL BE ABLE TO OPEN THE ROAD FOR EMERGENCY VEHICLES WITHIN 10 MINS AT ALL TIME
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 - B) SIGNS WILL NOT BE MOVED FOR AT LEAST 28 CALENDAR DAYS AND APPROVED BY THE ENGINEER.
 - C) ARE SHOWN AS POST OR FIXED STRUCTURE MOUNTED ON THE PLANS.

LEGEND:

- TYPE 3 BARRICADE
- ROADWAY CLOSURE WORK ZONE
- TUBULAR MARKER
- SAFETY DRUM MARKER
- FLAGGING STATION



PHASE 4 TRAFFIC CONTROL PLAN
SCALE IN FEET
0 40' 80'

90% REVIEW SUBMITTAL
NOT FOR CONSTRUCTION



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Llama antes de excavar.



NO.	REVISIONS	DATE	BY

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: C. WOODCOCK
WA P.E.# 55649 DATE: 10/29/2025
DRAWN BY: C. WOODCOCK
DATE: 10/29/2025
CHECKED BY: B. TUMBLING
WA P.E.# 20123355 DATE: 10/29/2025

SECTION, TOWNSHIP, RANGE:
S13, T24N, R1E, W.M.
GRANT/LOAN INFORMATION
ARPA NO.

EAST 9TH STREET STORMWATER IMPROVEMENTS
TEMPORARY TRAFFIC CONTROL / DETOUR
PLANS

SHEET
65 OF 65
PN: 234-1896-196
PLATE
TC04