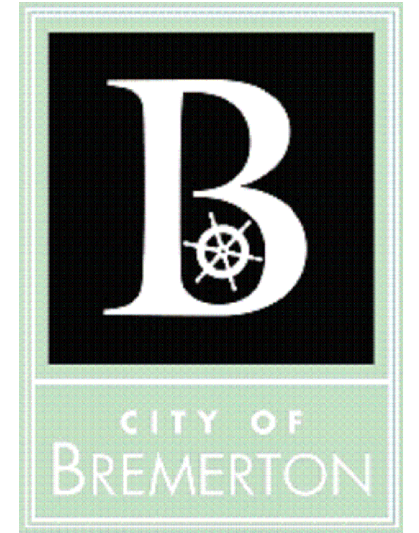


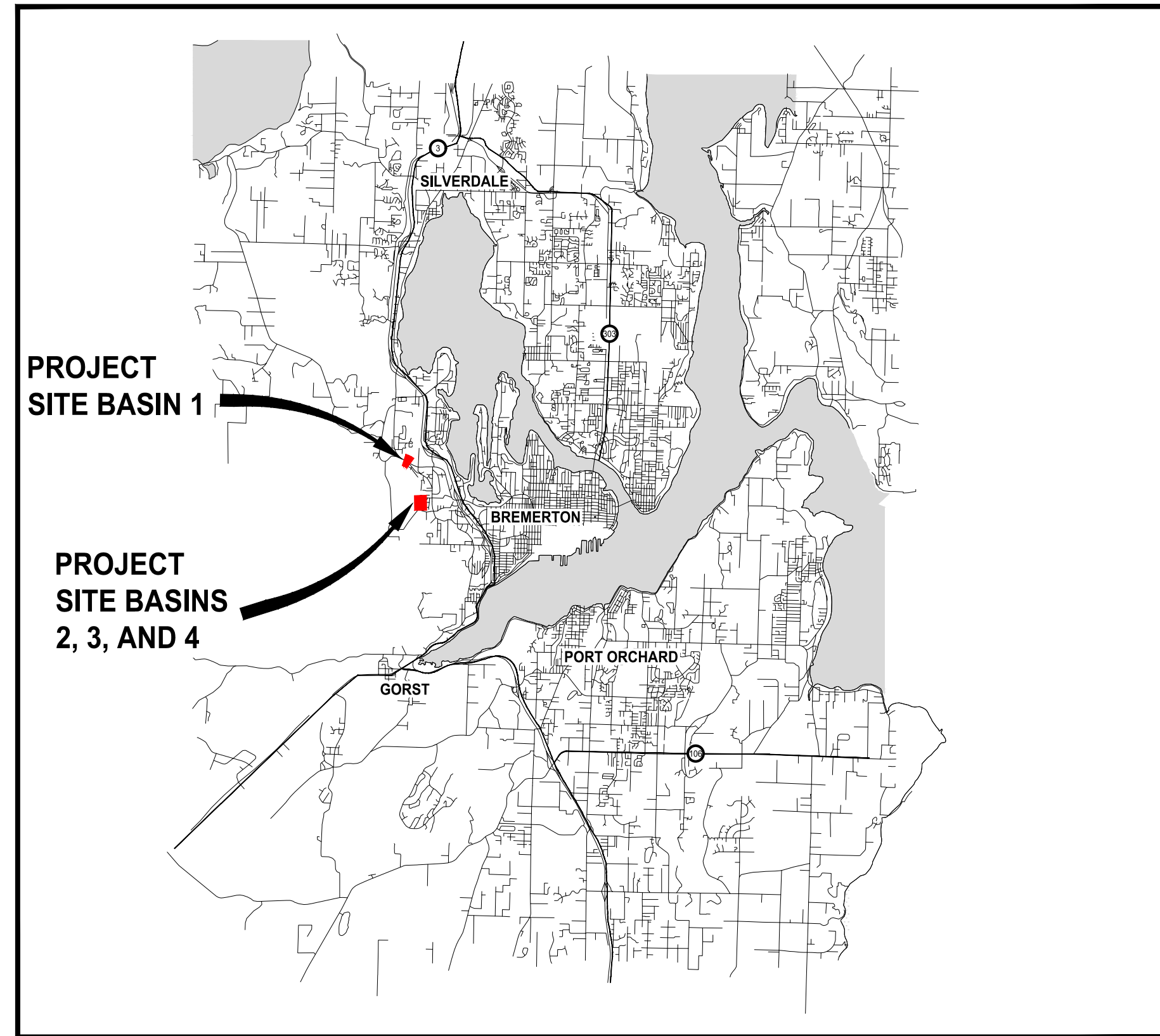
KITSAP LAKE STORMWATER TREATMENT RETROFIT

SECTIONS 08 & 17, TOWNSHIP 24N, RANGE 1E, W.M.



CITY OF BREMERTON PROJECT NO. 879

FUNDED IN PART BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY
APRIL 2025



LOCATION MAP
NO SCALE

INDEX TO DRAWINGS		
SHT NO.	DWG NO.	SHEET TITLE
GENERAL		
1	G1	COVER SHEET, LOCATION MAP, AND SHEET INDEX
2	G2	LEGEND, ABBREVIATIONS, AND GENERAL/TESC NOTES
3	G3	OSPREY CIRCLE - HORIZONTAL CONTROL AND EXISTING CONDITIONS
4	G4	KITSAP WAY - HORIZONTAL CONTROL AND EXISTING CONDITIONS
SITE PREPARATION		
5	DM1	BASIN 1A & 1B - DEMOLITION AND TESC PLAN
6	DM2	BASIN 2 - DEMOLITION AND TESC PLAN
7	DM3	BASIN 3A & 3B - DEMOLITION AND TESC PLAN
8	DM4	BASIN 4 - DEMOLITION AND TESC PLAN
CIVIL		
9	C1	BASIN 1A & 1B - DRAINAGE PLAN AND PROFILE
10	C2	BASIN 2 - DRAINAGE PLAN AND PROFILE
11	C3	BASIN 3A & 3B - DRAINAGE PLAN AND PROFILE
12	C4	BASIN 4 - DRAINAGE PLAN AND PROFILE
13	GR1	BASIN 1 ROADWAY GRADING PLAN
14	GR2	BASIN 2 ROADWAY GRADING PLAN
15	GR3	BASIN 3 ROADWAY GRADING PLAN
16	GR4	BASIN 4 ROADWAY GRADING PLAN
17	GR5	BASIN 1 DRIVEWAY & SIDEWALK GRADING PLAN
18	GR6	BASIN 2 DRIVEWAY & SIDEWALK GRADING PLAN
19	GR7	BASIN 3 DRIVEWAY & SIDEWALK GRADING PLAN
20	D1	TREATMENT VAULT DETAILS
21	D2	TREATMENT VAULT & CDS DETAILS
22	D3	DETAILS
23	D4	DETAILS
24	D5	BASINS 1 AND 2 BIOPOD AND STORMFILTER HATCH DETAILS
25	D6	BASINS 3 AND 4 BIOPOD AND STORMFILTER HATCH DETAILS
TRAFFIC CONTROL		
26	TC1	BASINS 1, 2, & 3 - TEMPORARY TRAFFIC CONTROL
27	TC2	BASIN 4 - TEMPORARY TRAFFIC CONTROL
28	TC3	TEMPORARY TRAFFIC CONTROL DETAILS
29	TC4	TEMPORARY TRAFFIC CONTROL DETAILS

APPROVED BY _____
DAVID DINKUHN, P.E.
STORMWATER PROJECT MANAGER

**BID SET
G1**



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



Parametrix
60 Washington Avenue, Suite 390 • Bremerton, WA 98337
Ph: 360.377.0014

REVISIONS			
NO.	DESCRIPTION	DATE	BY



CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DRAWN BY: C. ODEGARD
DATE: 4/7/25

DESIGN BY: M. WILDE
WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT
COVER SHEET, LOCATION MAP, AND SHEET INDEX

DATE
4/7/25
SHEET
1
OF
29

PATH: U:\PS\PROJECTS\CLIENTS\1896-CITY OF BREMERTON\2025-1896-183-KITSAP-UTR\FINAL\DESIGN\985\CS\CADD\DWG\PS\1896-183-01.DWG PLOTTED BY: FEENEEM DATE: 4/20/25 1:21 AM

HORIZONTAL DATUM:
 HORIZONTAL DATUM FOR THIS SURVEY IS NAD 1983(11), WASHINGTON STATE PLANE NORTH ZONE COORDINATE SYSTEM, U.S. SURVEY FEET. THE HORIZONTAL DATUM IS BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATIONS 166 AND 4870.

POINT DESIGNATION 166
 NORTHING: 212488.000
 EASTING: 1180717.068

POINT DESIGNATION 4870
 NORTHING: 218198.963
 EASTING: 118343.033

VERTICAL DATUM:

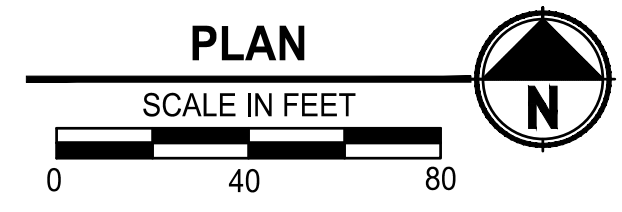
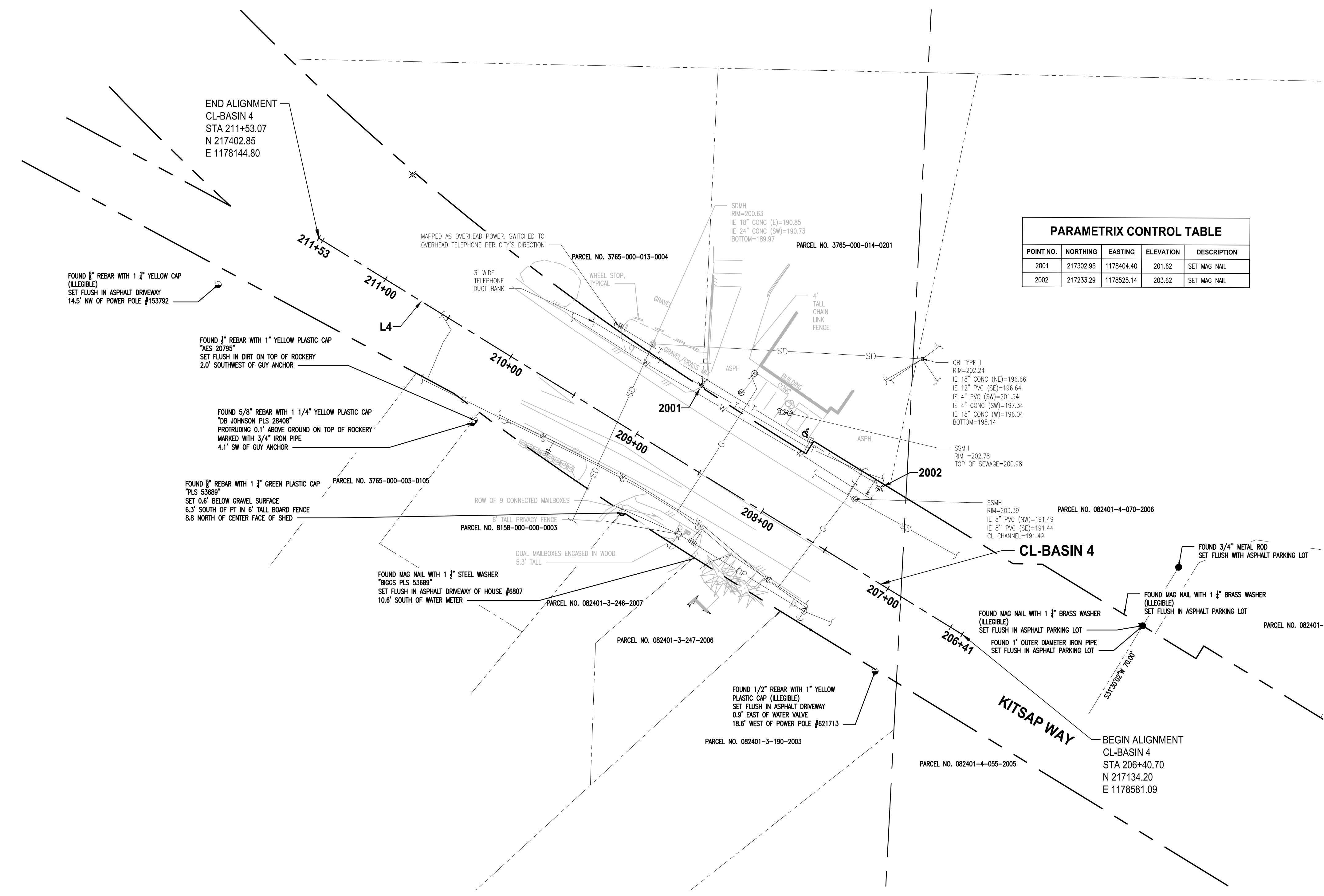
VERTICAL DATUM IS NAVD88 BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATION PNT.NO.31, MONUMENT ID 166.

POINT DESIGNATION: PNT.NO.31
 MONUMENT ID: 166
 ELEVATION: 305.514

SURVEY NOTES:

1. THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY IN DECEMBER 2021 AND JANUARY 2022.
2. CONVENTIONAL AND GPS SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
3. THIS SURVEY WAS PREPARED BY FIELD TRAVERSE AS PER WAC 332-130-090, PART C. RELATIVE ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.
4. 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 SURFACE FEATURE MEASUREMENTS AND ONSITE UNDERGROUND UTILITY MARKINGS PERFORMED BY OTHERS.
5. 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 HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.
6. BOUNDARY INFORMATION SHOWN HEREON IS BASED ON PUBLIC GIS INFORMATION PROVIDED BY KITSAP COUNTY WITH THE EXCEPTION OF THE RIGHT OF WAY LINES.
7. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH MAY REVEAL RESTRICTIONS OR EASEMENTS OF RECORD. ACCORDINGLY, NONE ARE SHOWN HEREON.

PARAMETRIX CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2001	217302.95	1178404.40	201.62	SET MAG NAIL
2002	217233.29	1178525.14	203.62	SET MAG NAIL



LEGEND:

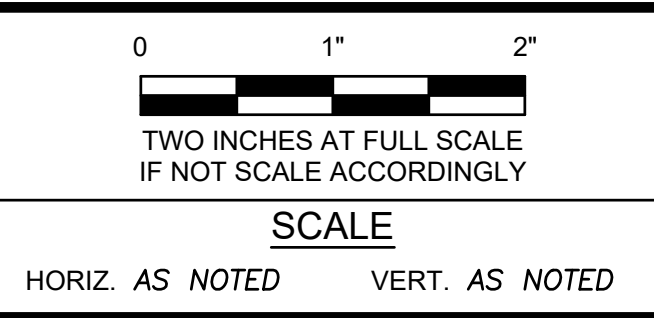
---	PROPERTY LOT LINE
---	ROW LINE
*	CONTROL POINT

LINE TABLE CONSTRUCTION CENTERLINE BASIN 4				
LINE ID	LENGTH	BEARING	START POINT	END POINT
L4	512.37'	N58° 22' 35"W	(N 217134.20, E 1178581.09)	(N 217402.85, E 1178144.80)

PATH: U:\PROJECTS\CLIENTS\1886-CITY OF BREMERTON\023-1886-183-KITSAP LAK STORMWATER DESIGN\9595\CS\CADD\DWG\PS\896\896-CSD.WMG PLOTTED BY: ODEGARD DATE: 4/20/25 10:19 AM



NO.	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK

CITY OF BREMERTON

CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DRAWN BY: C. ODEGARD
 DATE: 4/7/25

DESIGN BY: M. WILDE
 WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: L. MILLER
 WASH. P.L.S. #52085 DATE: 3/14/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT
KITSAP WAY
HORIZONTAL CONTROL AND EXISTING CONDITIONS

P.N. 233-1896-193

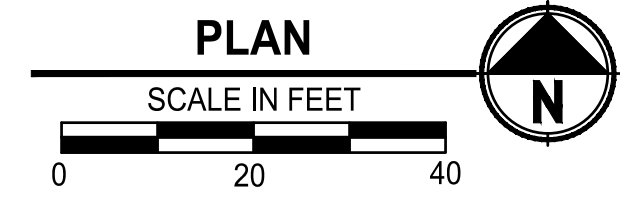
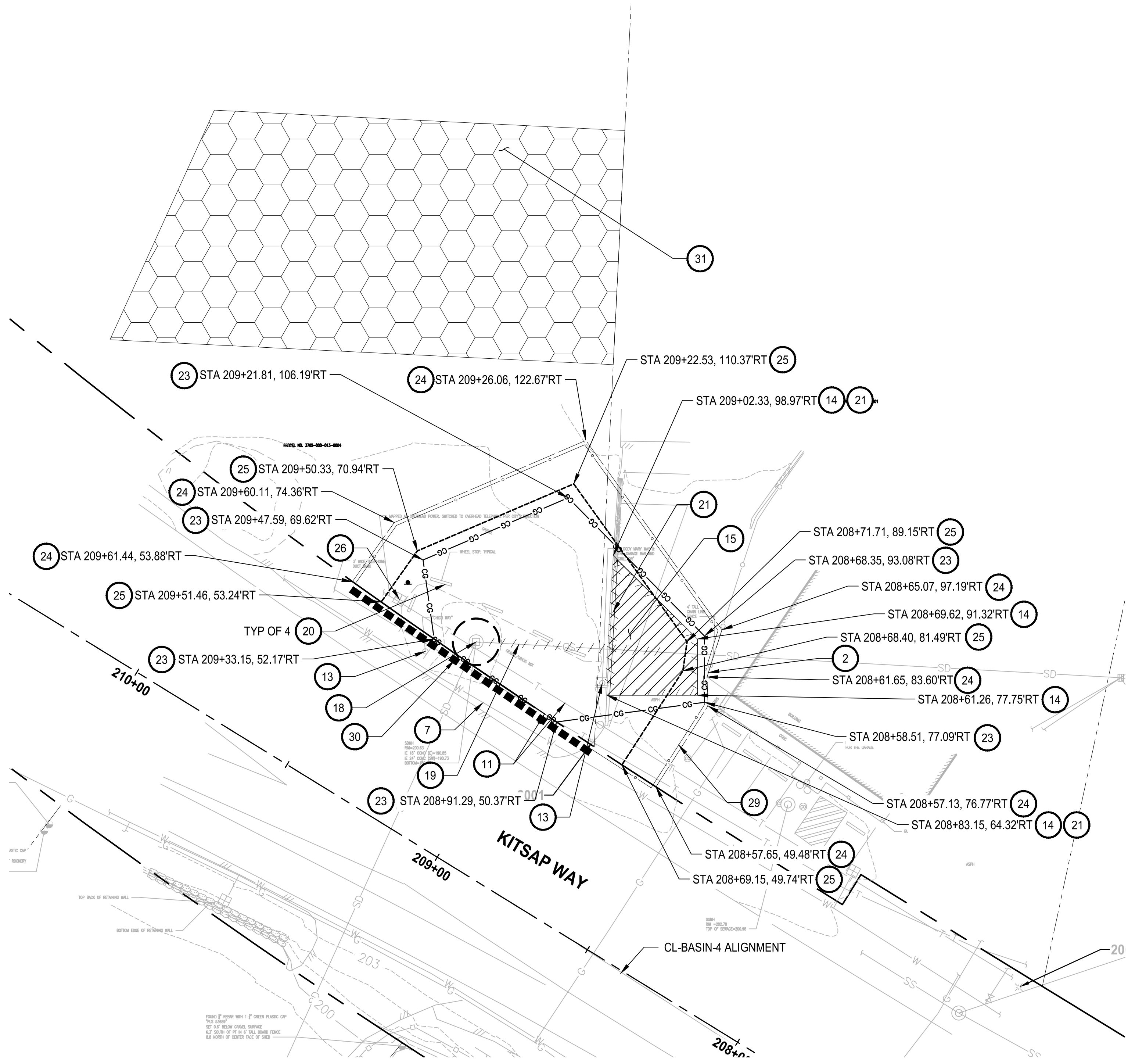
BID SET G4

DATE: 4/7/25

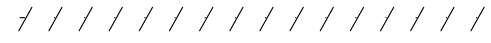
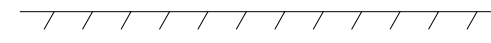
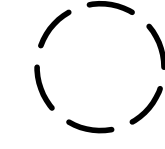
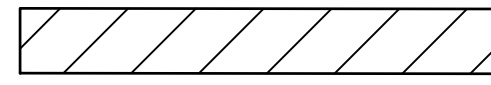
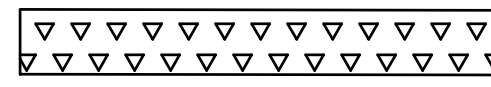

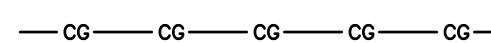
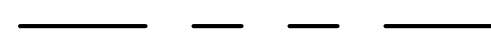
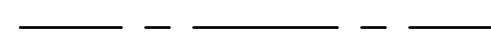
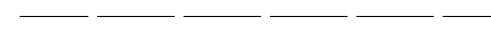
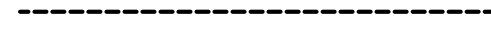
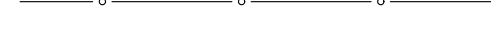

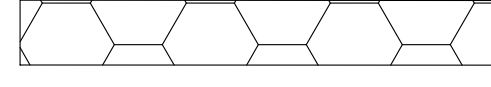
SHEET 4 OF 29

CITY OF BREMERTON PROJECT NUMBER: 879

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LEGEND:

-  REMOVE ITEM
-  SAWCUT
-  INLET PROTECTION PER WSDOT STD PLAN I-40.20-00
-  REMOVE ASPHALT PAVEMENT
-  REMOVE CEMENT CONCRETE SIDEWALK
-  REMOVE CEMENT CONCRETE CURB AND GUTTER
-  CLEARING AND GRUBBING LIMITS
-  EXISTING RIGHT-OF-WAY
-  ALIGNMENT CENTERLINE
-  TEMPORARY CONSTRUCTION EASEMENT
-  PERMANENT EASEMENT
-  TEMPORARY CHAIN LINK FENCE
-  TEMPORARY TYPE 2 CONCRETE BARRIER
-  TEMPORARY PARKING AREA 6" COMPACTED CSBC

SITE PREPARATION AND DEMOLITION NOTES:

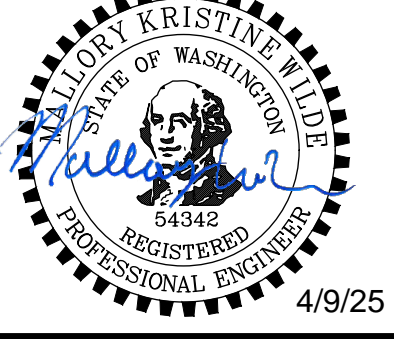
1. STATIONS AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
2. REMOVAL LIMITS AND CLEARING AND GRUBBING LIMITS ARE INDICATED BY STATION OFFSET CALLOUTS.
3. CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO MAINTAIN ACCESS TO DRIVEWAYS AND HOMES, SEE SPECIFICATIONS AND SHEETS TC1-TC4.
4. CONTRACTOR SHALL COORDINATE WITH POSTMASTER TO MAINTAIN ACCESS TO MAILBOXES DURING CONSTRUCTION.
5. ALL STORM SEWER INLETS DOWNSTREAM OF SITE SHALL BE PROTECTED PER WSDOT STD PLAN I-40.20-00.
6. CONTRACTOR SHALL PRESERVE PROPERTY CORNER MONUMENTS IF FOUND.
7. TEMPORARY CHAIN LINK FENCING SHALL BE PLACED 1 FOOT INSIDE TCE LIMITS.
8. CONTRACTOR SHALL PROVIDE TEMPORARY PARKING AREA FOR BUSINESSES PER THE DIRECTION OF THE ENGINEER.

SITE PREPARATION AND DEMOLITION KEY NOTES:

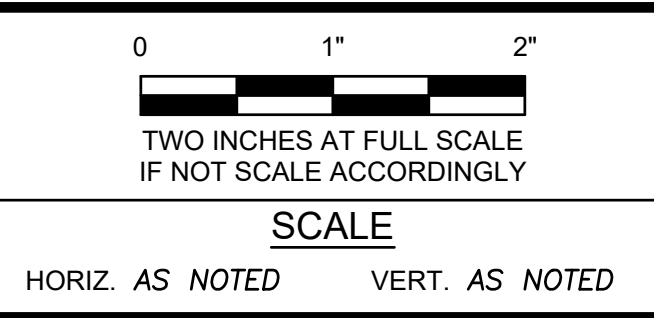
- 2 PROTECT EXISTING FENCING/GATE TO REMAIN
- 7 PROTECT EXISTING WATER PIPE TO REMAIN
- 11 PROTECT EXISTING TELECOMMUNICATIONS TO REMAIN
- 13 PROTECT EXISTING SIGN/MAILBOX TO REMAIN
- 14 SAWCUT
- 15 REMOVE ASPHALT PAVEMENT
- 18 REMOVE DRAINAGE STRUCTURE
- 19 REMOVE DRAINAGE PIPE
- 20 REMOVE, SALVAGE, AND REINSTALL WHEEL STOP
- 21 REMOVE EXISTING EXTRUDED CURB
- 23 CLEARING AND GRUBBING
- 24 TEMPORARY CONSTRUCTION EASEMENT
- 25 PERMANENT EASEMENT
- 26 PROTECT METER BOX
- 29 6' TEMPORARY CHAIN LINK FENCE
- 30 TEMPORARY TYPE 2 CONCRETE BARRIER PER TEMPORARY TRAFFIC CONTROL PLANS
- 31 TEMPORARY PARKING AREA PER THE DIRECTION OF THE ENGINEER



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



NO	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK



CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DRAWN BY: C. ODEGARD
DATE: 4/7/25

DESIGN BY: M. WILDE
WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: J. WRIGHT
WASH. P.E. # 48258 DATE: 4/7/25

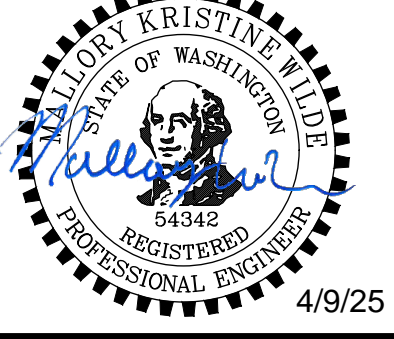
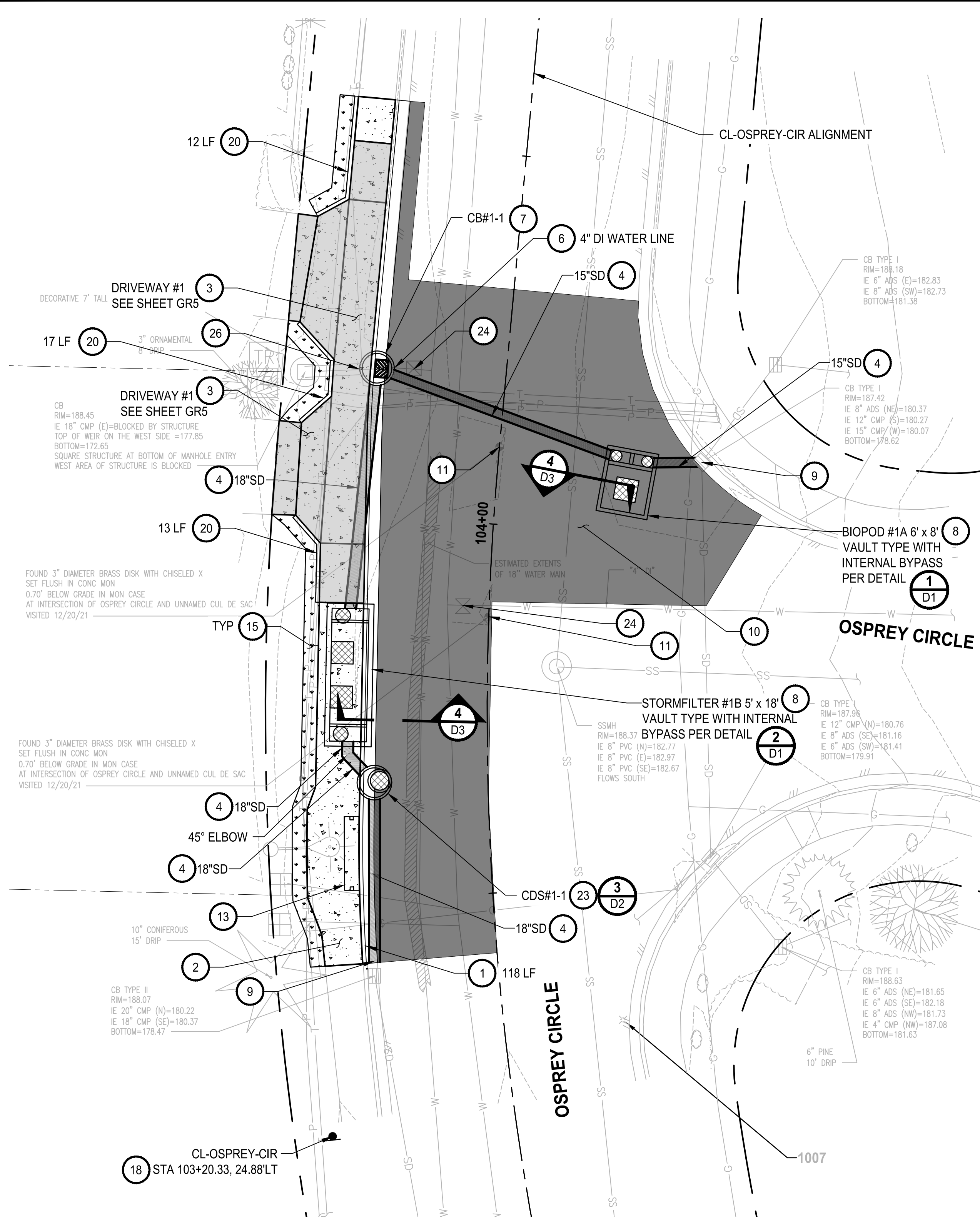
KITSAP LAKE STORMWATER TREATMENT RETROFIT
BASIN 4
DEMOLITION AND TESC PLAN

BID SET DM4

DATE: 4/7/25
SHEET: 8 OF 29
PN: 233-1896-193

CITY OF BREMERTON PROJECT NUMBER: 879

PATH: U:\PROJECTS\CLIENTS\1886-CITY OF BREMERTON\1886-181-VTS\SP-UT\REFINAL\DESIGN\9595\CADD\DWG\9595\9595-CI-DWG PLOTTED BY: ODEGARD DATE: 2/20/25 4:17 PM



CONSTRUCTION LEGEND:

- CEMENT CONC. PEDESTRIAN CURB
- CEMENT CONC. CURB AND GUTTER
- CEMENT CONC. SIDEWALK
- CEMENT CONC. DRIVEWAY
- COMMERCIAL HMA
- COBBLES 6" MINUS
- DETECTABLE WARNING SURFACE
- 4" TOPSOIL TYPE A AND HYDROSEED
- 6" CSTC
- CATCH BASIN TYPE 2 OR CDS STRUCTURE
- STORM SEWER PIPE
- ACCESS COVER/HATCH
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHORING NOTES:

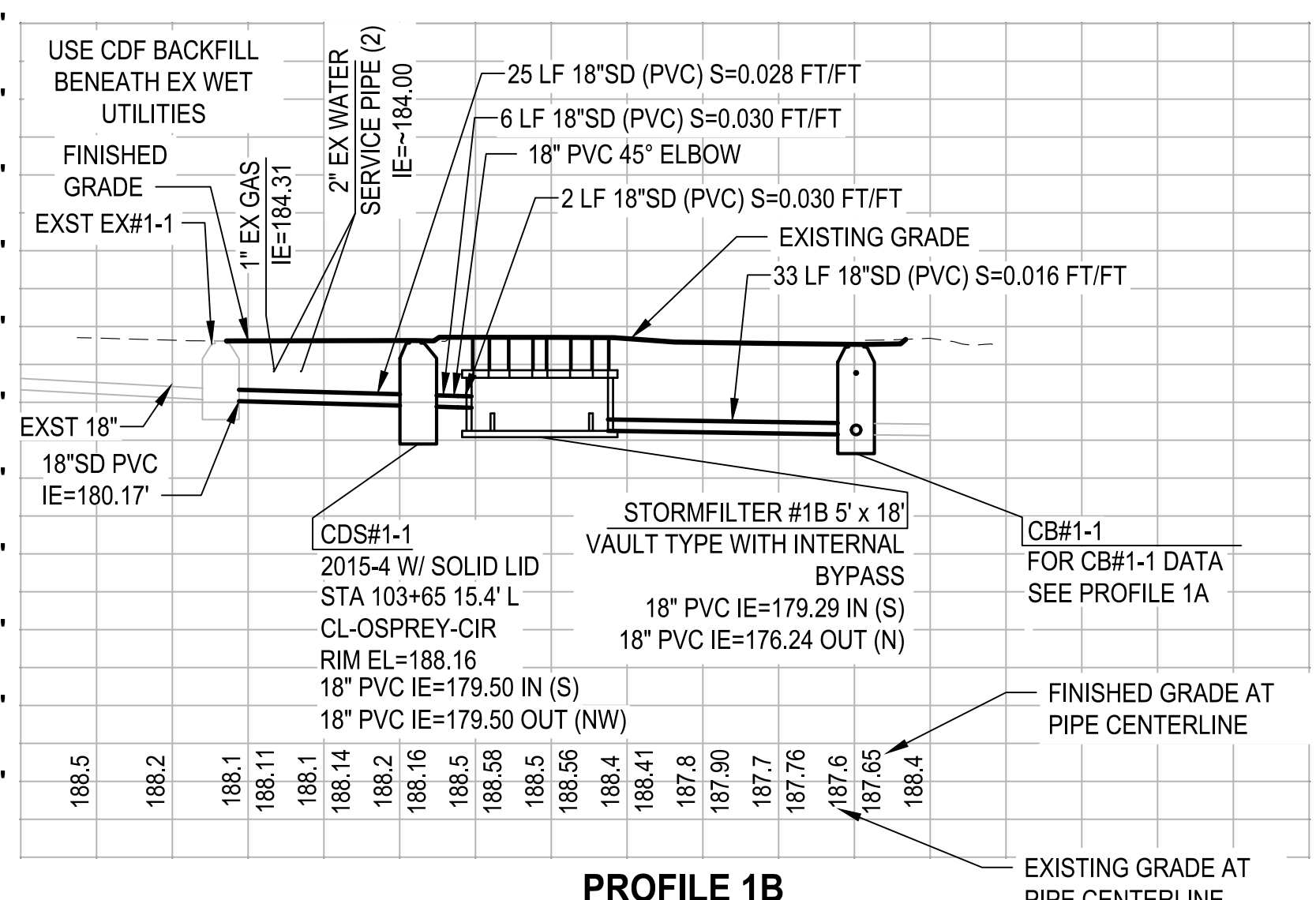
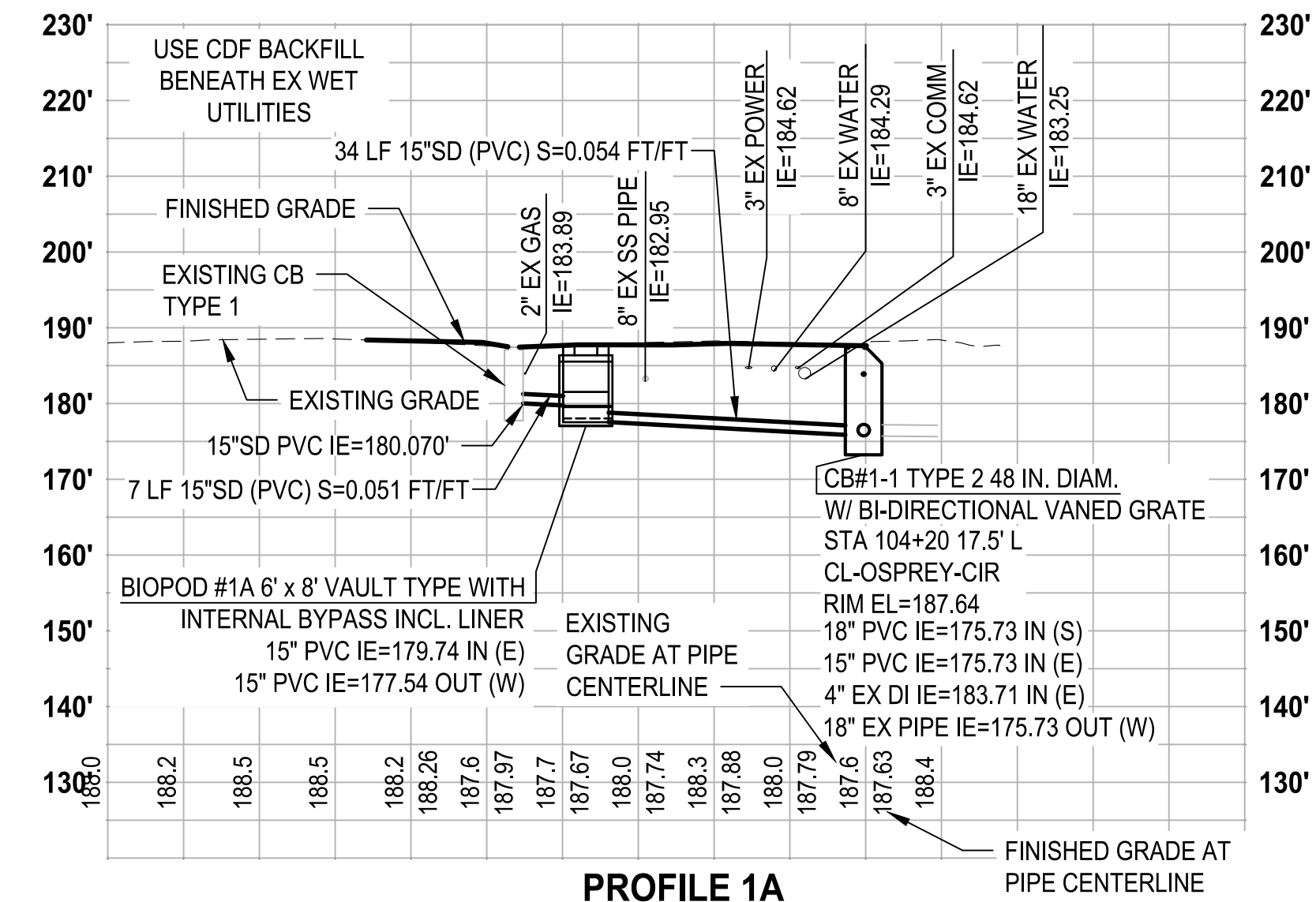
- CONTRACTOR SHALL BE AWARE THAT CLEARANCE BETWEEN EXISTING UNDERGROUND UTILITIES AND STRUCTURES TO BE INSTALLED IS LIMITED. SHORING SYSTEMS SHALL BE DESIGNED TO FUNCTION WITHIN LIMITED CLEARANCE SHOWN.
- ALL VAULTS SHALL BE BACKFILLED WITH PEA GRAVEL COMPACTED USING STINGER CONCRETE VIBRATOR. BACKFILL SHALL EXTEND TO SPRINGLINE OF ADJACENT WATER MAIN OR SANITARY SEWER. SEPARATION GEOTEXTILE SHALL BE PLACED ON TOP OF THE PEA GRAVEL AND BACKFILL COMPLETED USING COMPACTED CSTC.

GENERAL NOTES:

- STATIONS AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
- PROFILES ARE CUT ALONG THE CENTERLINE OF THEIR RESPECTIVE PIPE NETWORK.
- LIMIT OPEN EXCAVATION TO 25' IN LENGTH.
- 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.
- 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 D1, D2, D5, AND D6 FOR BIOPOD AND HATCH DETAILS
- SEE SHEET D2 AND D3 FOR CDS STRUCTURE DETAILS.
- SEE DM1 - DM4 FOR REMOVALS AND PROTECTIONS.
- SEE GR5-GR7 FOR SIDEWALK, DRIVEWAY APPROACH, AND RAMP GRADING AND LAYOUT.
- REPLACE ALL VALVE BOXES WITHIN DISTURBED AREAS. MORE VALVE BOXES MAY BE PRESENT THAN SHOWN IN SURVEY BASE.
- SEE SHEET DM4 FOR TEMPORARY AND PERMANENT EASEMENT LOCATIONS.
- CLEARING AND GRUBBING LIMITS DEMARCATTE THE TOPSOIL TYPE A AND HYDROSEED RESTORATION LIMITS.

CONSTRUCTION NOTES:

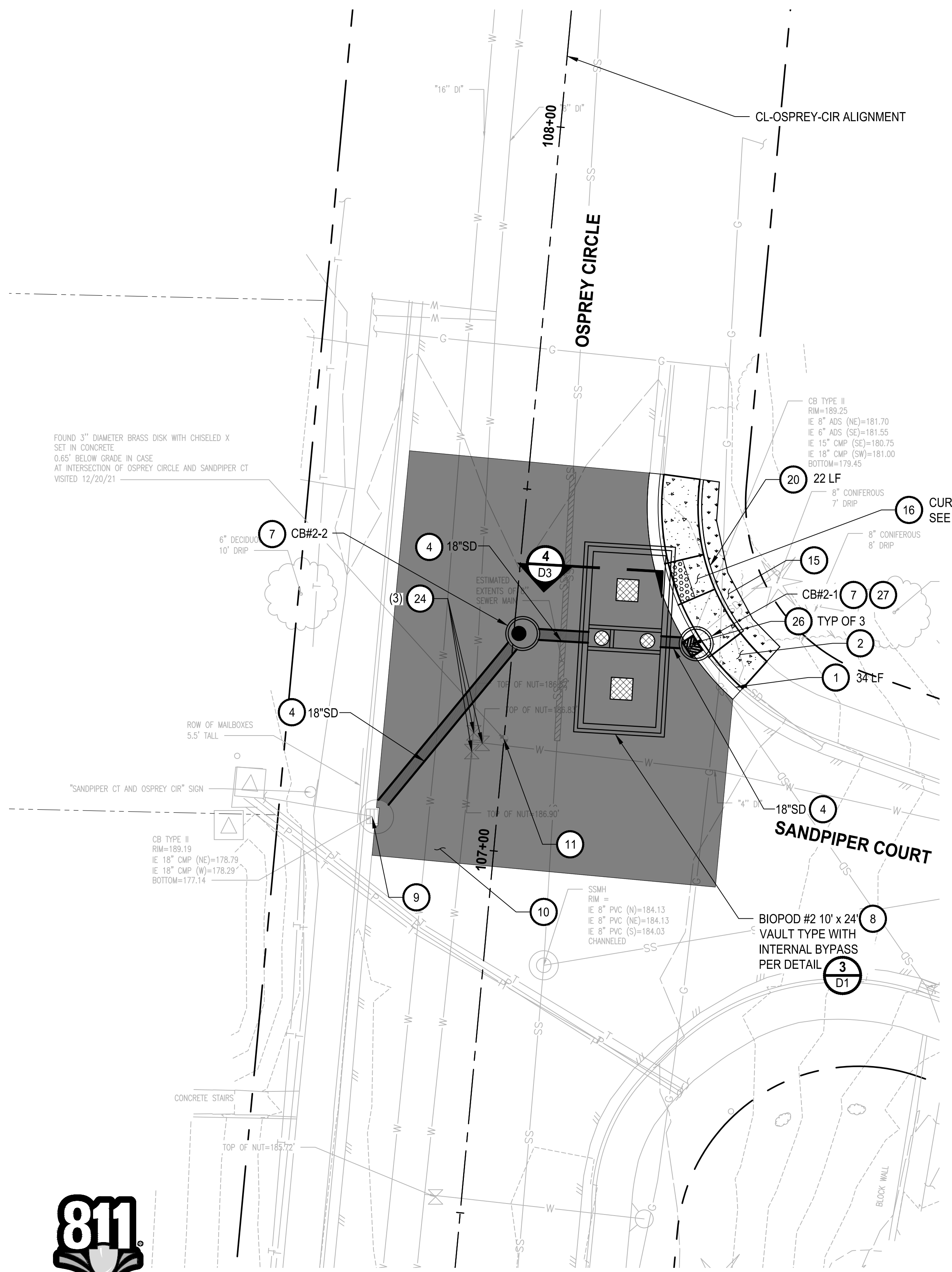
- CEMENT CONC. TRAFFIC CURB & GUTTER TYPE A PER COB STD DETAIL 3131
- CEMENT CONC. SIDEWALK PER COB STD DETAIL 3101
- CEMENT CONC. DRIVEWAY APPROACH TYPE III PER COB STD DETAIL 3121
- INSTALL STORMWATER PIPE PER DETAIL **(3)**
- NOT USED
- CONNECT EX 4" DI PRESSURE PIPE FROM DUMP VALVE TO CATCH BASIN
- CATCH BASIN TYPE 2 48 IN. DIAM. PER WSDOT STD PLAN B-10.20-03
- BIOPOD/STORMFILTER, SEE SHEETS D1 AND D2
- CONNECT PIPE TO EXISTING STRUCTURE
- TYPICAL ROAD LOCAL ACCESS STREETS STANDARD PAVEMENT PER COB STD DETAIL 3004
- PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER. PER COB STD DETAIL 3401
- NOT USED
- REINSTALL SALVAGED MAILBOX, SEE SHEETS GR5 AND GR7
- REINSTALL SALVAGED WHEEL STOP
- 4" TOPSOIL TYPE A AND HYDROSEED
- CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
- CURB DRAIN, SEE SHEET GR7
- PROJECT SIGN, PER DETAIL **(2)**
- RECTANGULAR BEEHIVE GRATE, PER DETAIL **(2)**
- CEMENT CONC. CURB TYPE C-2 PER COB STD DETAIL 3133
- NOT USED
- CEMENT CONC. EXTRUDED CURB TYPE 6 PER WSDOT STD PLAN F-10.42-00
- CONTECH CDS STRUCTURE, SEE SHEET D2
- REPLACE VALVE BOX AND ADJUST TO FINISHED GRADE
- NOT USED
- CONNECT EXISTING PIPE TO DRAINAGE STRUCTURE
- COMBINATION INLET PER WSDOT STD PLAN B-25.20-02



<p>CITY OF BREMERTON DEPARTMENT OF PUBLIC WORKS & UTILITIES ENGINEERING DIVISION</p>		<p>BID SET C1</p>
<p>KITSAP LAKE STORMWATER TREATMENT RETROFIT BASIN 1A & 1B DRAINAGE PLAN AND PROFILE</p>		<p>DATE: 4/7/25</p> <p>SHEET 9 OF 29</p>
<p>NO. REVISIONS DESCRIPTION DATE BY</p>	<p>SCALE: TWO INCHES AT FULL SCALE IF NOT SCALE ACCORDINGLY</p> <p>HORIZ. AS NOTED VERT. AS NOTED</p>	<p>FIELD BOOK</p> <p>DRAWN BY: C. ODEGARD DATE: 4/7/25</p> <p>DESIGN BY: M. WILDE WASH. P.E. #54342 DATE: 4/7/25</p> <p>CHECKED BY: J. WRIGHT WASH. P.E. # 48258 DATE: 4/7/25</p>

CITY OF BREMERTON PROJECT NUMBER: 879

PATH: U:\PROJECTS\CLIENTS\1886-CITY OF BREMERTON\2023-1886-181-UTS\UP\UTS\REFINAL\DESIGN\985\CS\CADD\DWG\985\985-CI-DWG PLOTTED BY: ODEGARD DATE: 2/20/25 4:17 PM



CONSTRUCTION LEGEND:

- CEMENT CONC. PEDESTRIAN CURB
- CEMENT CONC. CURB AND GUTTER
- CEMENT CONC. SIDEWALK
- CEMENT CONC. DRIVEWAY
- COMMERCIAL HMA
- COBBLES 6" MINUS
- DETECTABLE WARNING SURFACE
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- 6" CSTC
- CATCH BASIN TYPE 2 OR CDS STRUCTURE
- STORM SEWER PIPE
- ACCESS COVER/HATCH
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHORING NOTES:

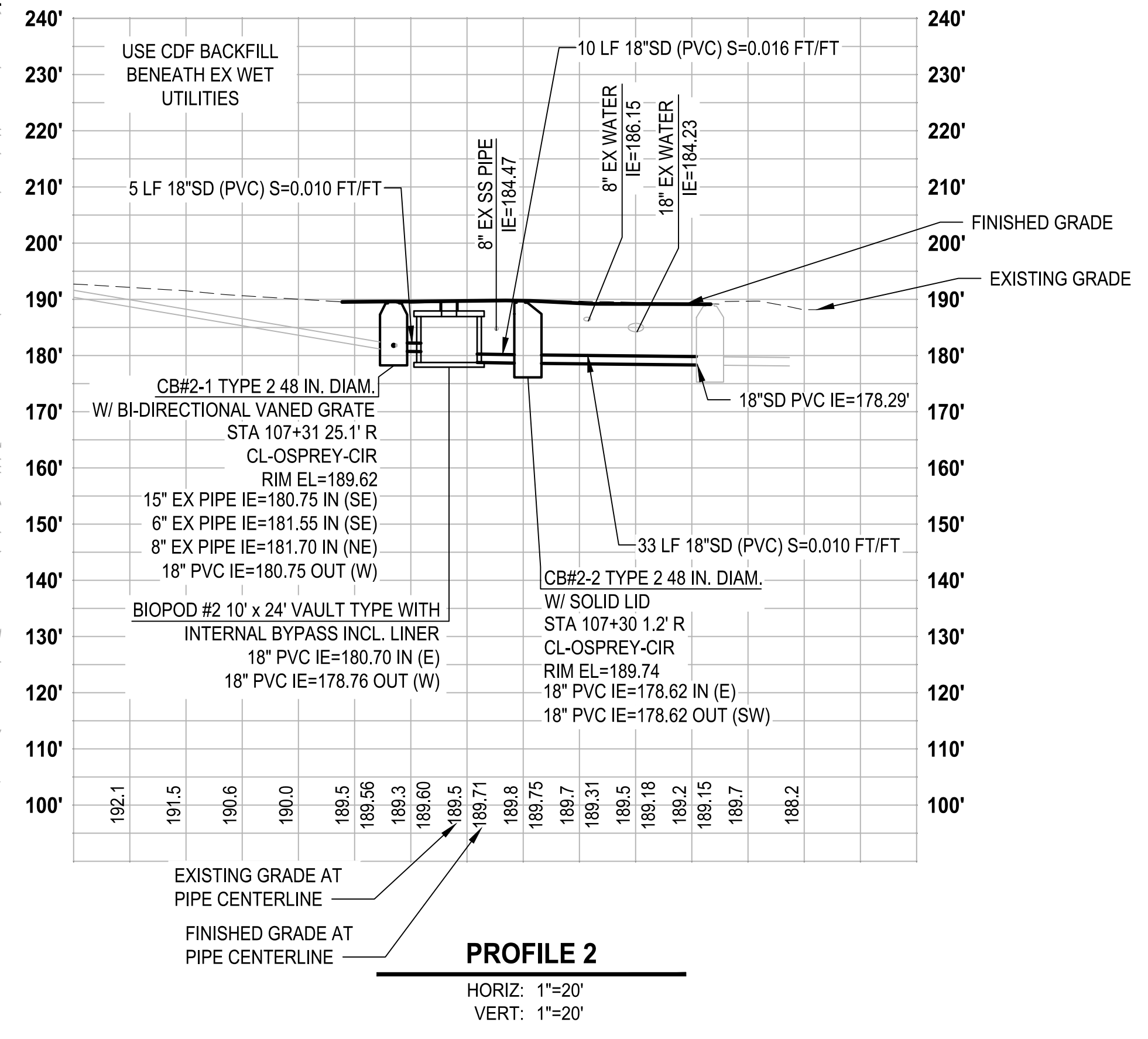
- CONTRACTOR SHALL BE AWARE THAT CLEARANCE BETWEEN EXISTING UNDERGROUND UTILITIES AND STRUCTURES TO BE INSTALLED IS LIMITED. SHORING SYSTEMS SHALL BE DESIGNED TO FUNCTION WITHIN LIMITED CLEARANCE SHOWN.
- ALL VAULTS SHALL BE BACKFILLED WITH PEA GRAVEL COMPACTED USING STINGER CONCRETE VIBRATOR. BACKFILL SHALL EXTEND TO SPRINGLINE OF ADJACENT WATER MAIN OR SANITARY SEWER. SEPARATION GEOTEXTILE SHALL BE PLACED ON TOP OF THE PEA GRAVEL AND BACKFILL COMPLETED USING COMPACTED CSTC.

GENERAL NOTES:

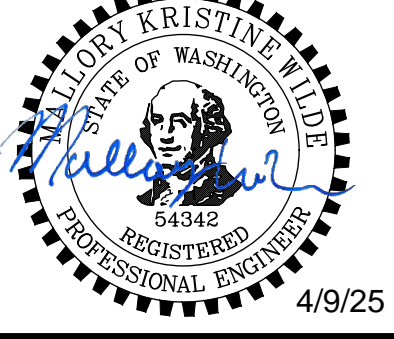
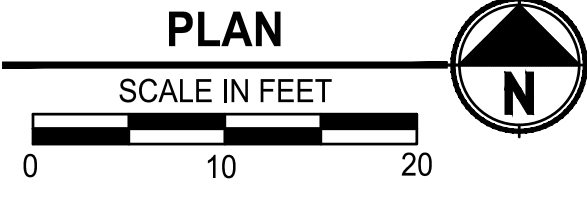
- STATIONS AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
- PROFILES ARE CUT ALONG THE CENTERLINE OF THEIR RESPECTIVE PIPE NETWORK.
- LIMIT OPEN EXCAVATION TO 25' IN LENGTH.
- STORM STRUCTURE STATION AND OFFSETS ARE TO THE CENTER OF STRUCTURE.
- RECTANGULAR BI-DIRECTIONAL 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.
- 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 D1, D2, D5, AND D6 FOR BIOPOD AND HATCH DETAILS
- SEE SHEET D2 AND D3 FOR CDS STRUCTURE DETAILS.
- SEE DM1 - DM4 FOR REMOVALS AND PROTECTIONS.
- SEE GR5-GR7 FOR SIDEWALK, DRIVEWAY APPROACH, AND RAMP GRADING AND LAYOUT.
- REPLACE ALL VALVE BOXES WITHIN DISTURBED AREAS. MORE VALVE BOXES MAY BE PRESENT THAN SHOWN IN SURVEY BASE.
- SEE SHEET DM4 FOR TEMPORARY AND PERMANENT EASEMENT LOCATIONS.
- CLEARING AND GRUBBING LIMITS DEMARCATTE THE TOPSOIL TYPE A AND HYDROSEED RESTORATION LIMITS.

CONSTRUCTION NOTES:

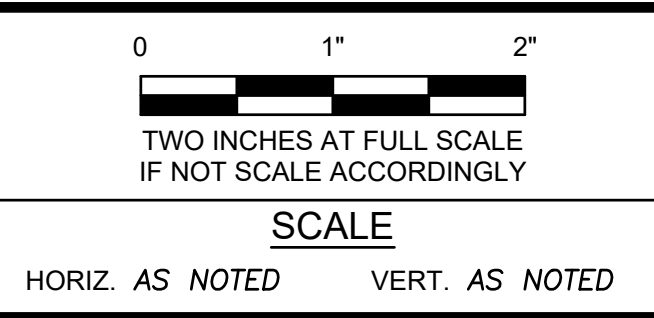
- CEMENT CONC. TRAFFIC CURB & GUTTER TYPE A PER COB STD DETAIL 3131
- CEMENT CONC. SIDEWALK PER COB STD DETAIL 3101
- CEMENT CONC. DRIVEWAY APPROACH TYPE III PER COB STD DETAIL 3121
- INSTALL STORMWATER PIPE PER DETAIL **3**
- NOT USED
- CONNECT EX 4" DI PRESSURE PIPE FROM DUMP VALVE TO CATCH BASIN
- CATCH BASIN TYPE 2 48 IN. DIAM. PER WSDOT STD PLAN B-10.20-03
- BIOPOD/STORMFILTER, SEE SHEETS D1 AND D2
- CONNECT PIPE TO EXISTING STRUCTURE
- TYPICAL ROAD LOCAL ACCESS STREETS STANDARD PAVEMENT PER COB STD DETAIL 3004
- PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER. PER COB STD DETAIL 3401
- NOT USED
- REINSTALL SALVAGED MAILBOX, SEE SHEETS GR5 AND GR7
- REINSTALL SALVAGED WHEEL STOP
- 4" TOPSOIL TYPE A AND HYDROSEED
- CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
- CURB DRAIN, SEE SHEET GR7
- PROJECT SIGN, PER DETAIL **2**
- RECTANGULAR BEEHIVE GRATE, PER DETAIL **2**
- CEMENT CONC. CURB TYPE C-2 PER COB STD DETAIL 3133
- NOT USED
- CEMENT CONC. EXTRUDED CURB TYPE 6 PER WSDOT STD PLAN F-10.42-00
- CONTECH CDS STRUCTURE, SEE SHEET D2
- REPLACE VALVE BOX AND ADJUST TO FINISHED GRADE
- NOT USED
- CONNECT EXISTING PIPE TO DRAINAGE STRUCTURE
- COMBINATION INLET PER WSDOT STD PLAN B-25.20-02



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NO	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK

DRAWN BY: C. ODEGARD
 DATE: 4/7/25

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: M. WILDE
 WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: J. WRIGHT
 WASH. P.E. # 48258 DATE: 4/7/25

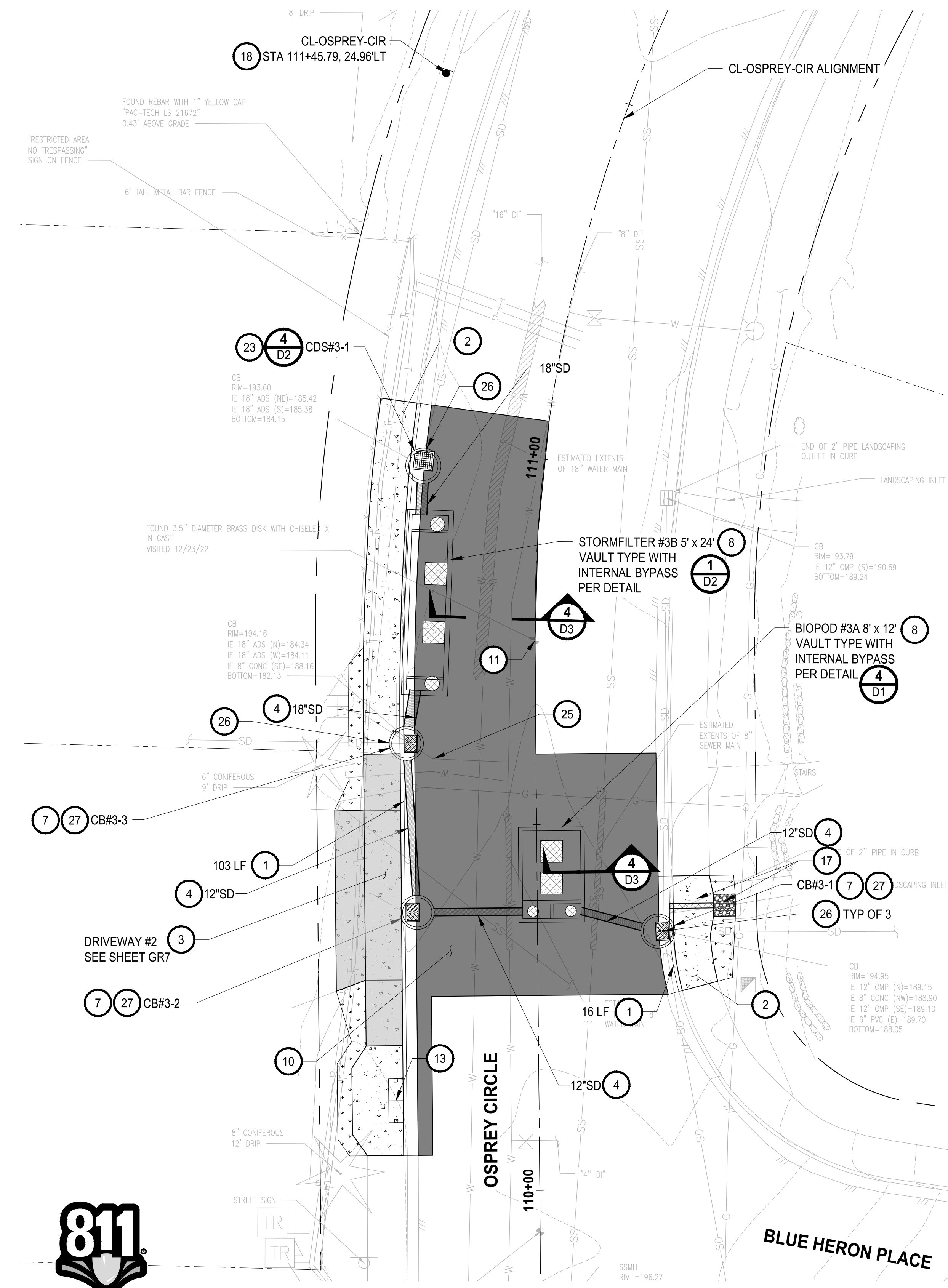
KITSAP LAKE STORMWATER TREATMENT RETROFIT
BASIN 2
DRAINAGE PLAN AND PROFILE

BID SET
C2

DATE: 4/7/25
 SHEET 10 OF 29

CITY OF BREMERTON PROJECT NUMBER: 879

PATH: U:\PROJECTS\CLIENTS\1896-CITY OF BREMERTON\2023-1896-181-VTS\DWG\WATERMAIN\DESIGN\985\CADD\DWG\PS\1896-181-CI.DWG PLOTTED BY: ODEGARD DATE: 2/29/2025 4:17 PM



CONSTRUCTION LEGEND:

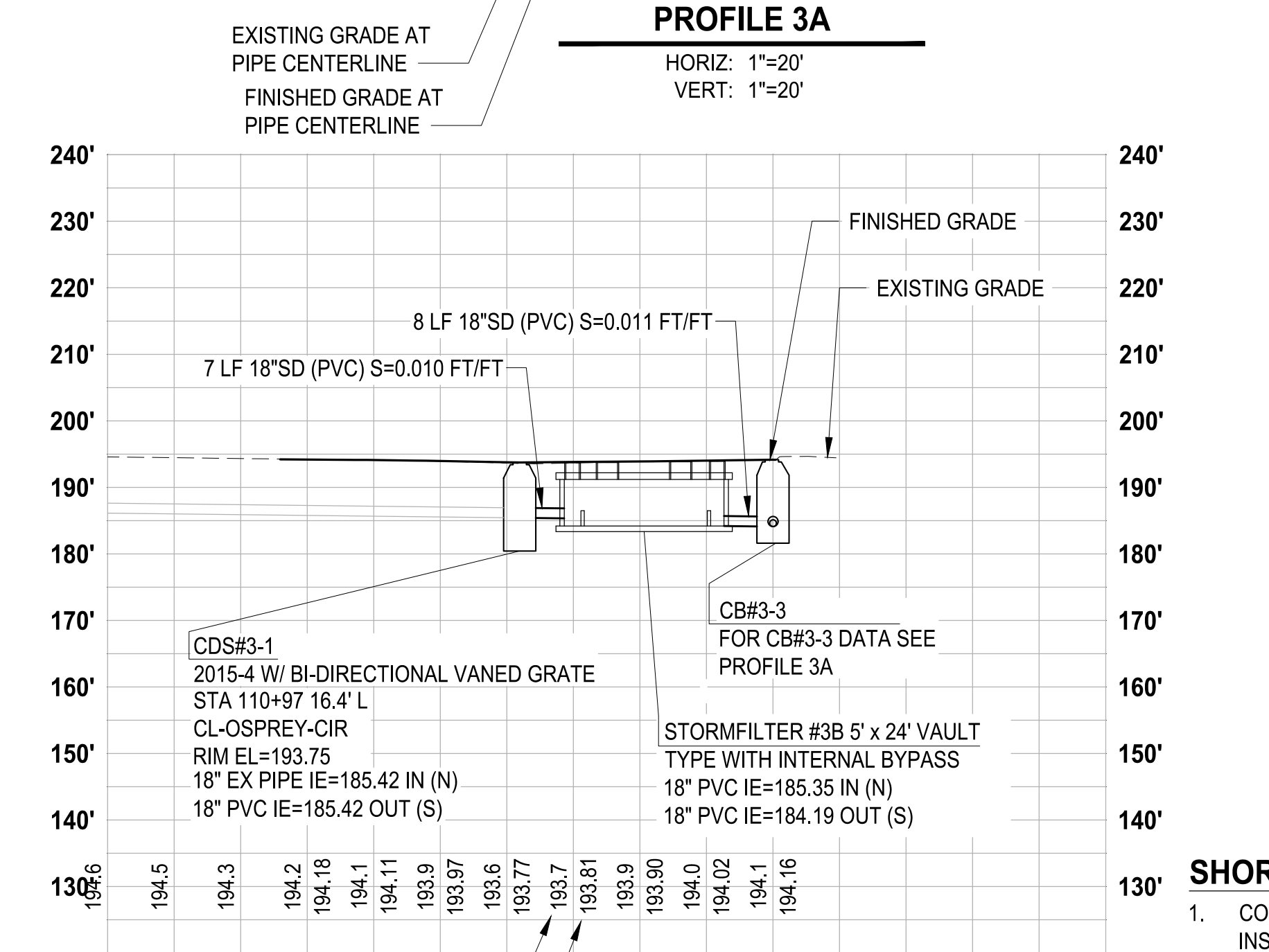
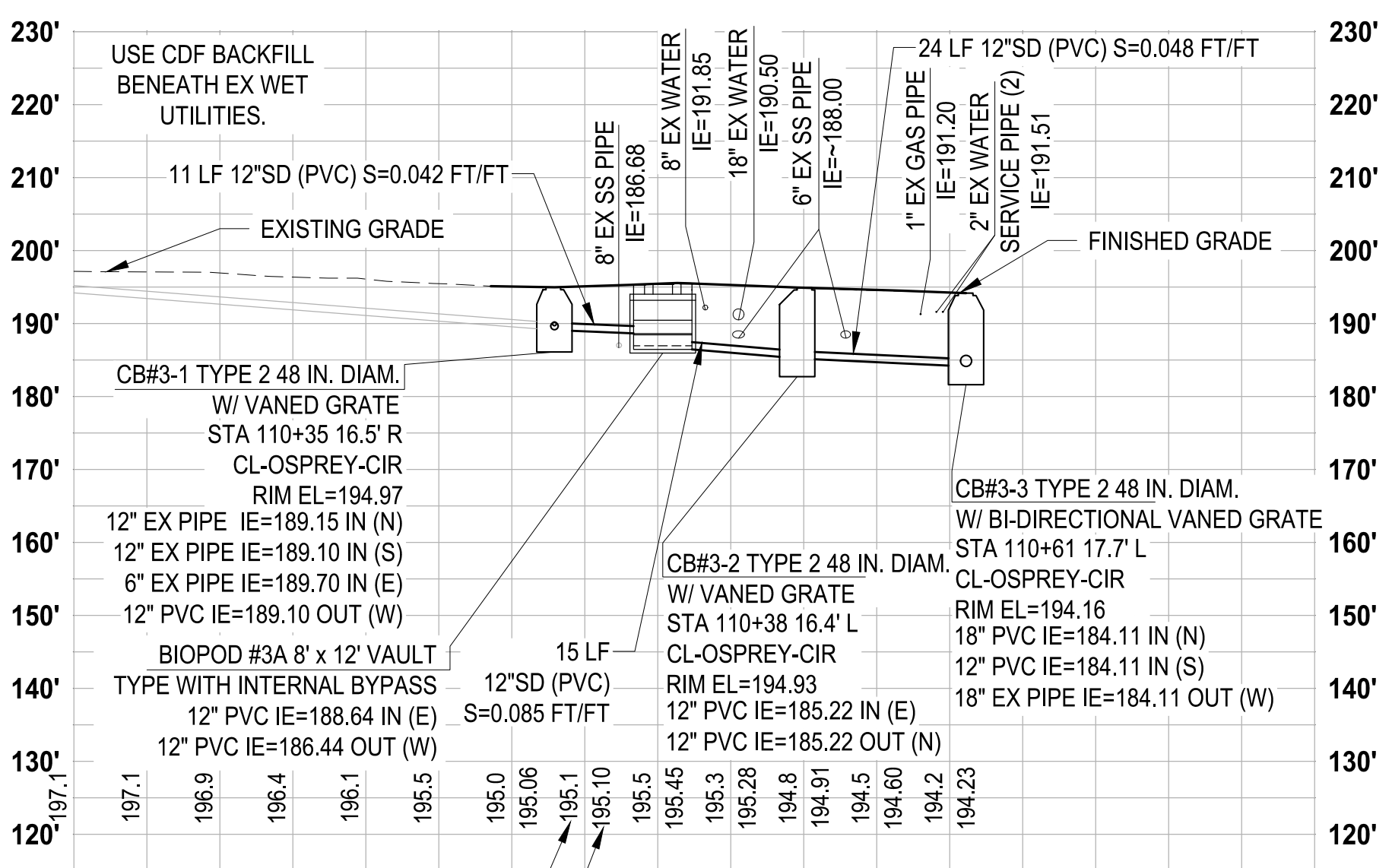
- CEMENT CONC. PEDESTRIAN CURB
- CEMENT CONC. CURB AND GUTTER
- CEMENT CONC. SIDEWALK
- CEMENT CONC. DRIVEWAY
- COMMERCIAL HMA
- COBBLES 6" MINUS
- DETECTABLE WARNING SURFACE
- 4" TOPSOIL TYPE A AND HYDROSEED
- 6" CSTC
- CATCH BASIN TYPE 2 OR CDS STRUCTURE
- STORM SEWER PIPE
- ACCESS COVER/HATCH
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

GENERAL NOTES:

1. STATIONS AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
2. PROFILES ARE CUT ALONG THE CENTERLINE OF THEIR RESPECTIVE PIPE NETWORK.
3. LIMIT OPEN EXCAVATION TO 25' IN LENGTH.
4. 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.
5. RECTANGULAR FRAMES SHALL BE PER WSDOT STD PLAN B-30.10-03.
6. CONTRACTOR TO INSTALL "DRAINS TO STREAM" PLACARDS PER MANUFACTURER'S SPECIFICATIONS ON ALL NEW STORMWATER INLETS. CONTRACTOR TO PROVIDE PLACARDS.
7. SEE SHEETS D1, D2, D5, AND D6 FOR BIOPOD AND HATCH DETAILS
8. SEE SHEET D2 AND D3 FOR CDS STRUCTURE DETAILS.
9. SEE DM1 - DM4 FOR REMOVALS AND PROTECTIONS.
10. SEE GR5-GR7 FOR SIDEWALK, DRIVEWAY APPROACH, AND RAMP GRADING AND LAYOUT.
11. REPLACE ALL VALVE BOXES WITHIN DISTURBED AREAS. MORE VALVE BOXES MAY BE PRESENT THAN SHOWN IN SURVEY BASE.
12. SEE SHEET DM4 FOR TEMPORARY AND PERMANENT EASEMENT LOCATIONS.
13. CLEARING AND GRUBBING LIMITS DEMARCATHE THE TOPSOIL TYPE A AND HYDROSEED RESTORATION LIMITS.

CONSTRUCTION NOTES:

- 1 CEMENT CONC. TRAFFIC CURB & GUTTER TYPE A PER COB STD DETAIL 3131
- 2 CEMENT CONC. SIDEWALK PER COB STD DETAIL 3101
- 3 CEMENT CONC. DRIVEWAY APPROACH TYPE III PER COB STD DETAIL 3121
- 4 INSTALL STORMWATER PIPE PER DETAIL 3
- 5 NOT USED
- 6 CONNECT EX 4" DI PRESSURE PIPE FROM DUMP VALVE TO CATCH BASIN
- 7 CATCH BASIN TYPE 2 48 IN. DIAM. PER WSDOT STD PLAN B-10.20-03
- 8 BIOPOD/STORMFILTER, SEE SHEETS D1 AND D2
- 9 CONNECT PIPE TO EXISTING STRUCTURE
- 10 TYPICAL ROAD LOCAL ACCESS STREETS STANDARD PAVEMENT PER COB STD DETAIL 3004
- 11 PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER. PER COB STD DETAIL 3401
- 12 NOT USED
- 13 REINSTALL SALVAGED MAILBOX, SEE SHEETS GR5 AND GR7
- 14 REINSTALL SALVAGED WHEEL STOP
- 15 4" TOPSOIL TYPE A AND HYDROSEED
- 16 CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
- 17 CURB DRAIN, SEE SHEET GR7
- 18 PROJECT SIGN, PER DETAIL 2
- 19 RECTANGULAR BEEHIVE GRATE, PER DETAIL 3
- 20 CEMENT CONC. CURB TYPE C-2 PER COB STD DETAIL 3133
- 21 NOT USED
- 22 CEMENT CONC. EXTRUDED CURB TYPE 6 PER WSDOT STD PLAN F-10.42-00
- 23 CONTECH CDS STRUCTURE, SEE SHEET D2
- 24 REPLACE VALVE BOX AND ADJUST TO FINISHED GRADE
- 25 NOT USED
- 26 CONNECT EXISTING PIPE TO DRAINAGE STRUCTURE
- 27 COMBINATION INLET PER WSDOT STD PLAN B-25.20-02

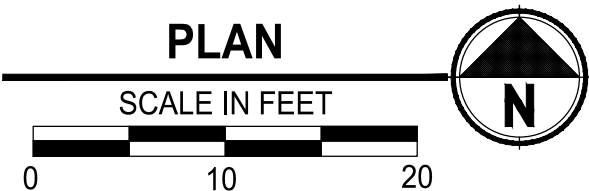


SHORING NOTES:

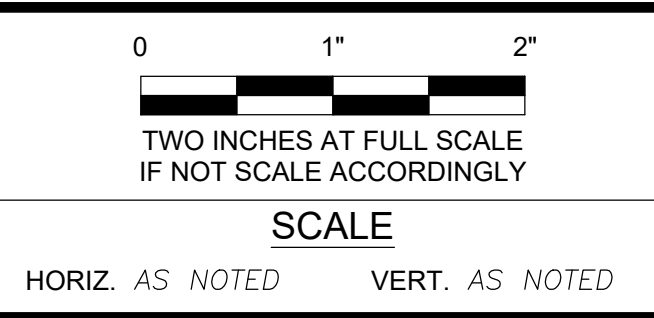
1. CONTRACTOR SHALL BE AWARE THAT CLEARANCE BETWEEN EXISTING UNDERGROUND UTILITIES AND STRUCTURES TO BE INSTALLED IS LIMITED. SHORING SYSTEMS SHALL BE DESIGNED TO FUNCTION WITHIN LIMITED CLEARANCE SHOWN.
2. ALL VAULTS SHALL BE BACKFILLED WITH PEA GRAVEL COMPACTED USING STINGER CONCRETE VIBRATOR. BACKFILL SHALL EXTEND TO SPRINGLINE OF ADJACENT WATER MAIN OR SANITARY SEWER. SEPARATION GEOTEXTILE SHALL BE PLACED ON TOP OF THE PEA GRAVEL AND BACKFILL COMPLETED USING COMPACTED CSTC.



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REVISIONS			
NO.	DESCRIPTION	DATE	BY



FIELD BOOK

DRAWN BY: C. ODEGARD
 DATE: 4/7/25

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: M. WILDE
 WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: J. WRIGHT
 WASH. P.E. # 48258 DATE: 4/7/25

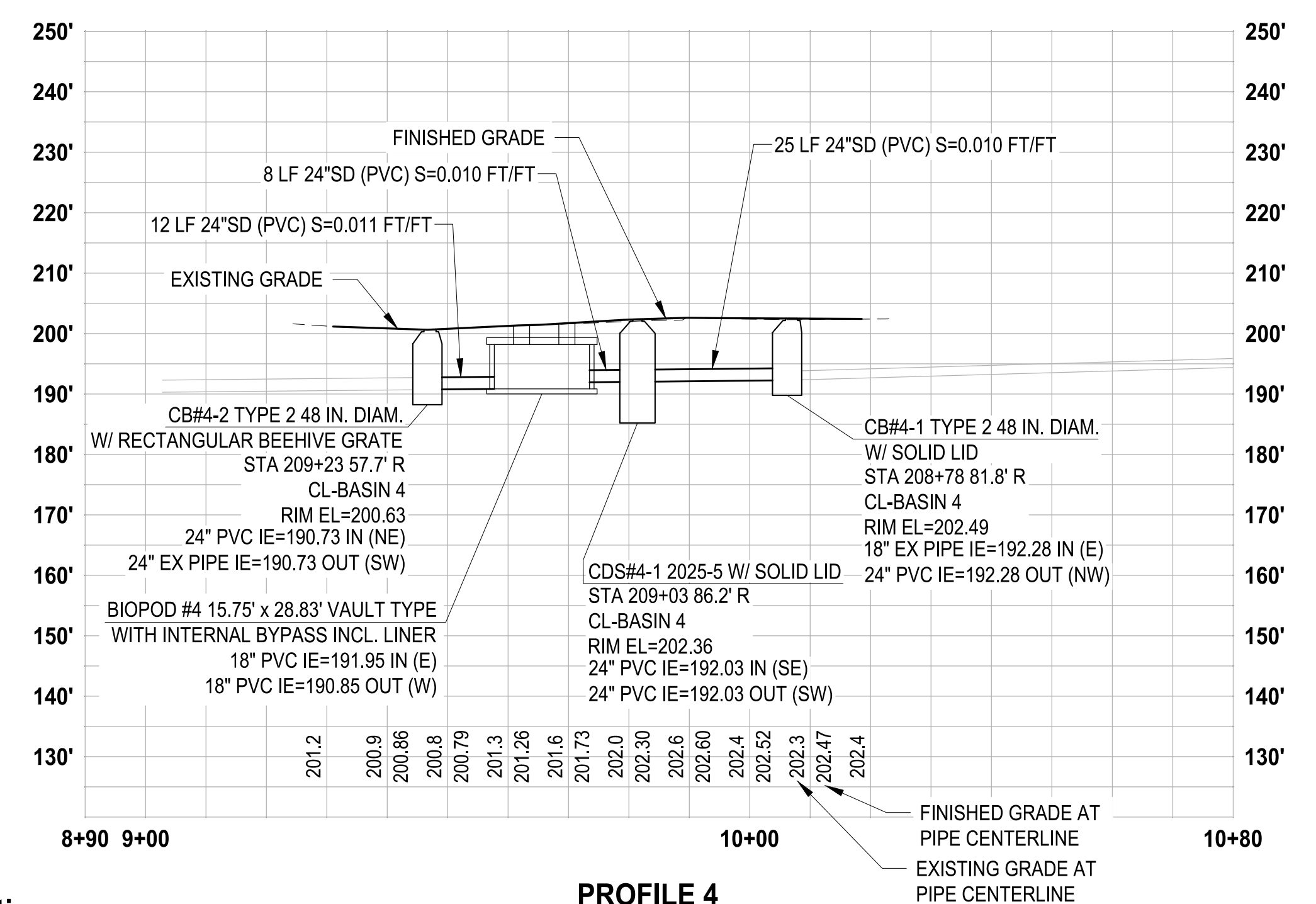
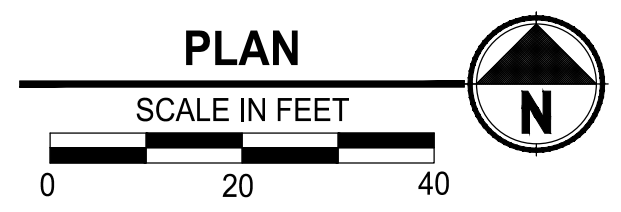
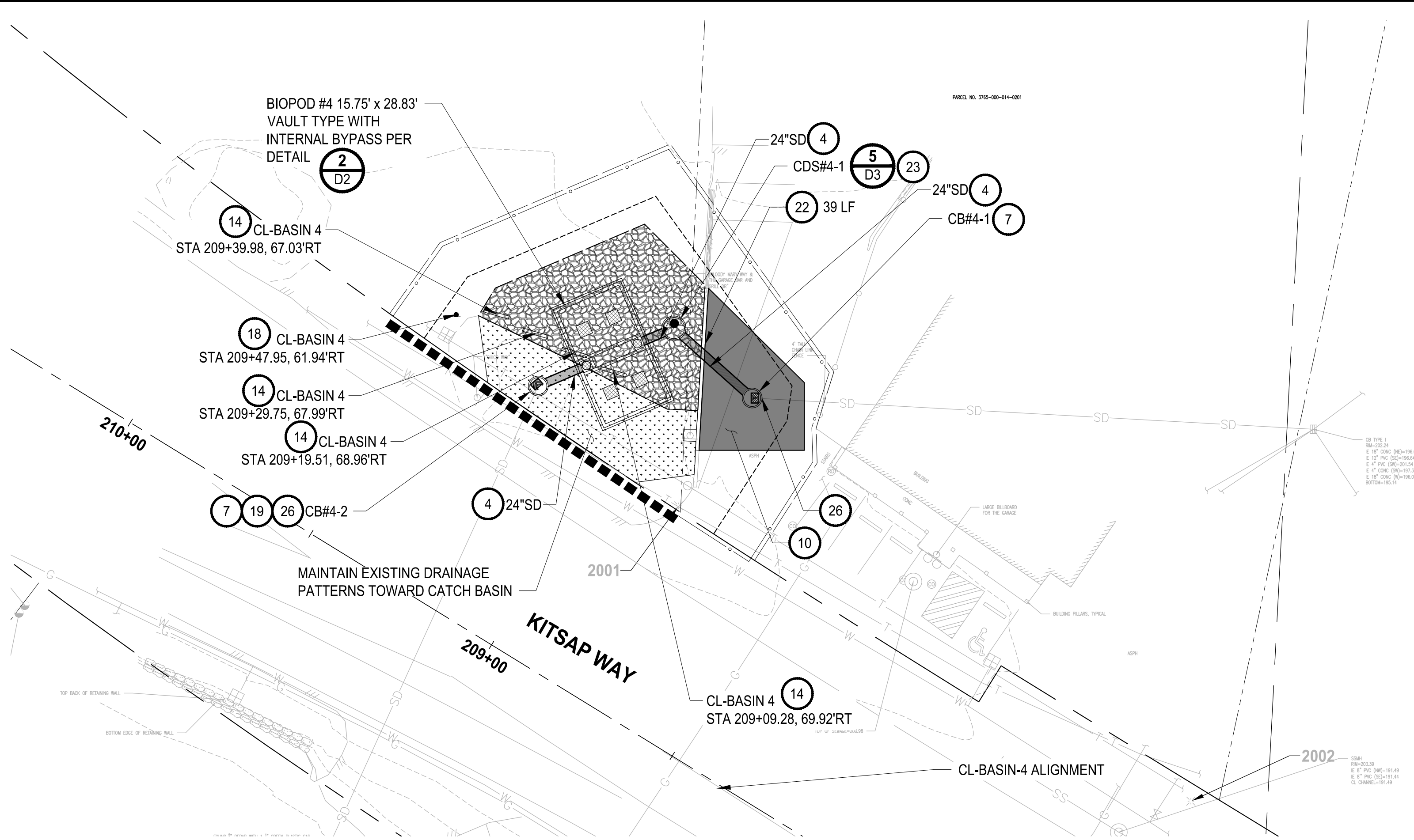
KITSAP LAKE STORMWATER TREATMENT RETROFIT
BASIN 3A AND 3B
DRAINAGE PLAN AND PROFILE

BID SET
C3

DATE: 4/7/25
 SHEET 11 OF 29
 P.N. 233-1896-193

CITY OF BREMERTON PROJECT NUMBER: 879

PATH: U:\PS\PROJECTS\CLIENTS\1896-CITY OF BREMERTON\2023-1896-183-KITSAP-UTILITY\DESIGN\985\CS\CADD\DWG\PS\1896-183-KITSAP-UTILITY.DWG PLOTTED BY: ODEGARD DATE: 3/29/2025 4:17 PM



CONSTRUCTION LEGEND:

- CEMENT CONC. PEDESTRIAN CURB
- CEMENT CONC. CURB AND GUTTER
- CEMENT CONC. SIDEWALK
- CEMENT CONC. DRIVEWAY
- COMMERCIAL HMA
- COBBLES 6" MINUS
- DETECTABLE WARNING SURFACE
- 4" TOPSOIL TYPE A AND HYDROSEED
- 6" CSTC
- CATCH BASIN TYPE 2 OR CDS STRUCTURE
- STORM SEWER PIPE
- ACCESS COVER/HATCH
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT

SHORING NOTES:

1. CONTRACTOR SHALL BE AWARE THAT CLEARANCE BETWEEN EXISTING UNDERGROUND UTILITIES AND STRUCTURES TO BE INSTALLED IS LIMITED. SHORING SYSTEMS SHALL BE DESIGNED TO FUNCTION WITHIN LIMITED CLEARANCE SHOWN.
2. ALL VAULTS SHALL BE BACKFILLED WITH PEA GRAVEL COMPACTED USING STINGER CONCRETE VIBRATOR. BACKFILL SHALL EXTEND TO SPRINGLINE OF ADJACENT WATER MAIN OR SANITARY SEWER. SEPARATION GEOTEXTILE SHALL BE PLACED ON TOP OF THE PEA GRAVEL AND BACKFILL COMPLETED USING COMPACTED CSTC.

GENERAL NOTES:

1. STATIONS AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
2. PROFILES ARE CUT ALONG THE CENTERLINE OF THEIR RESPECTIVE PIPE NETWORK.
3. LIMIT OPEN EXCAVATION TO 25' IN LENGTH.
4. STORM STRUCTURE STATION AND OFFSETS ARE TO THE CENTER OF STRUCTURE.
5. 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.
6. RECTANGULAR FRAMES SHALL BE PER WSDOT STD PLAN B-30.10-03.
7. CONTRACTOR TO INSTALL "DRAINS TO STREAM" PLACARDS PER MANUFACTURER'S SPECIFICATIONS ON ALL NEW STORMWATER INLETS. CONTRACTOR TO PROVIDE PLACARDS.
8. SEE SHEETS D1, D2, D5, AND D6 FOR BIPOD AND HATCH DETAILS
9. SEE SHEET D2 AND D3 FOR CDS STRUCTURE DETAILS.
10. SEE DM1 - DM4 FOR REMOVALS AND PROTECTIONS.
11. SEE GR5-GR7 FOR SIDEWALK, DRIVEWAY APPROACH, AND RAMP GRADING AND LAYOUT.
12. REPLACE ALL VALVE BOXES WITHIN DISTURBED AREAS. MORE VALVE BOXES MAY BE PRESENT THAN SHOWN IN SURVEY BASE.
13. SEE SHEET DM4 FOR TEMPORARY AND PERMANENT EASEMENT LOCATIONS.
14. CLEARING AND GRUBBING LIMITS DEMARCATATE THE TOPSOIL TYPE A AND HYDROSEED RESTORATION LIMITS.

CONSTRUCTION NOTES:

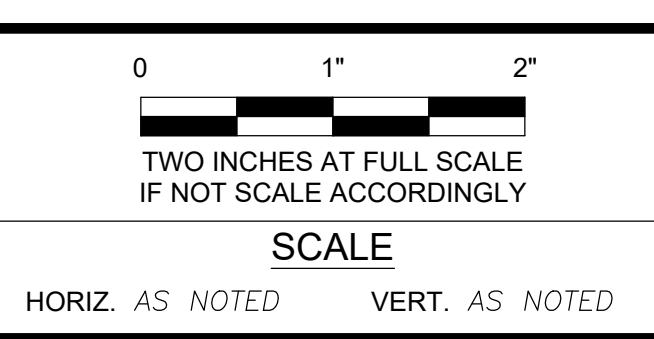
- 1 CEMENT CONC. TRAFFIC CURB & GUTTER TYPE A PER COB STD DETAIL 3131
- 2 CEMENT CONC. SIDEWALK PER COB STD DETAIL 3101
- 3 CEMENT CONC. DRIVEWAY APPROACH TYPE III PER COB STD DETAIL 3121
- 4 INSTALL STORMWATER PIPE PER DETAIL 3/D4
- 5 NOT USED
- 6 CONNECT EX 4" DI PRESSURE PIPE FROM DUMP VALVE TO CATCH BASIN
- 7 CATCH BASIN TYPE 2 48 IN. DIAM. PER WSDOT STD PLAN B-10.20-03
- 8 BIPOD/STORMFILTER, SEE SHEETS D1 AND D2
- 9 CONNECT PIPE TO EXISTING STRUCTURE
- 10 TYPICAL ROAD LOCAL ACCESS STREETS STANDARD PAVEMENT PER COB STD DETAIL 3004
- 11 PRESERVE MONUMENT/ADJUST MONUMENT CASE AND COVER. PER COB STD DETAIL 3401
- 12 NOT USED
- 13 REINSTALL SALVAGED MAILBOX, SEE SHEETS GR5 AND GR7
- 14 REINSTALL SALVAGED WHEEL STOP
- 15 4" TOPSOIL TYPE A AND HYDROSEED
- 16 CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
- 17 CURB DRAIN, SEE SHEET GR7
- 18 PROJECT SIGN, PER DETAIL 2/D4
- 19 RECTANGULAR BEEHIVE GRATE, PER DETAIL 2/D3
- 20 CEMENT CONC. CURB TYPE C-2 PER COB STD DETAIL 3133
- 21 NOT USED
- 22 CEMENT CONC. EXTRUDED CURB TYPE 6 PER WSDOT STD PLAN F-10.42-00
- 23 CONTECH CDS STRUCTURE, SEE SHEET D2
- 24 REPLACE VALVE BOX AND ADJUST TO FINISHED GRADE
- 25 NOT USED
- 26 CONNECT EXISTING PIPE TO DRAINAGE STRUCTURE
- 27 COMBINATION INLET PER WSDOT STD PLAN B-25.20-02



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REVISIONS		
NO.	DESCRIPTION	DATE BY



FIELD BOOK

 DRAWN BY: C. ODEGARD
 DATE: 4/7/25

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION
 DESIGN BY: M. WILDE
 WASH. P.E. #54342 DATE: 4/7/25
 CHECKED BY: J. WRIGHT
 WASH. P.E. # 48258 DATE: 4/7/25

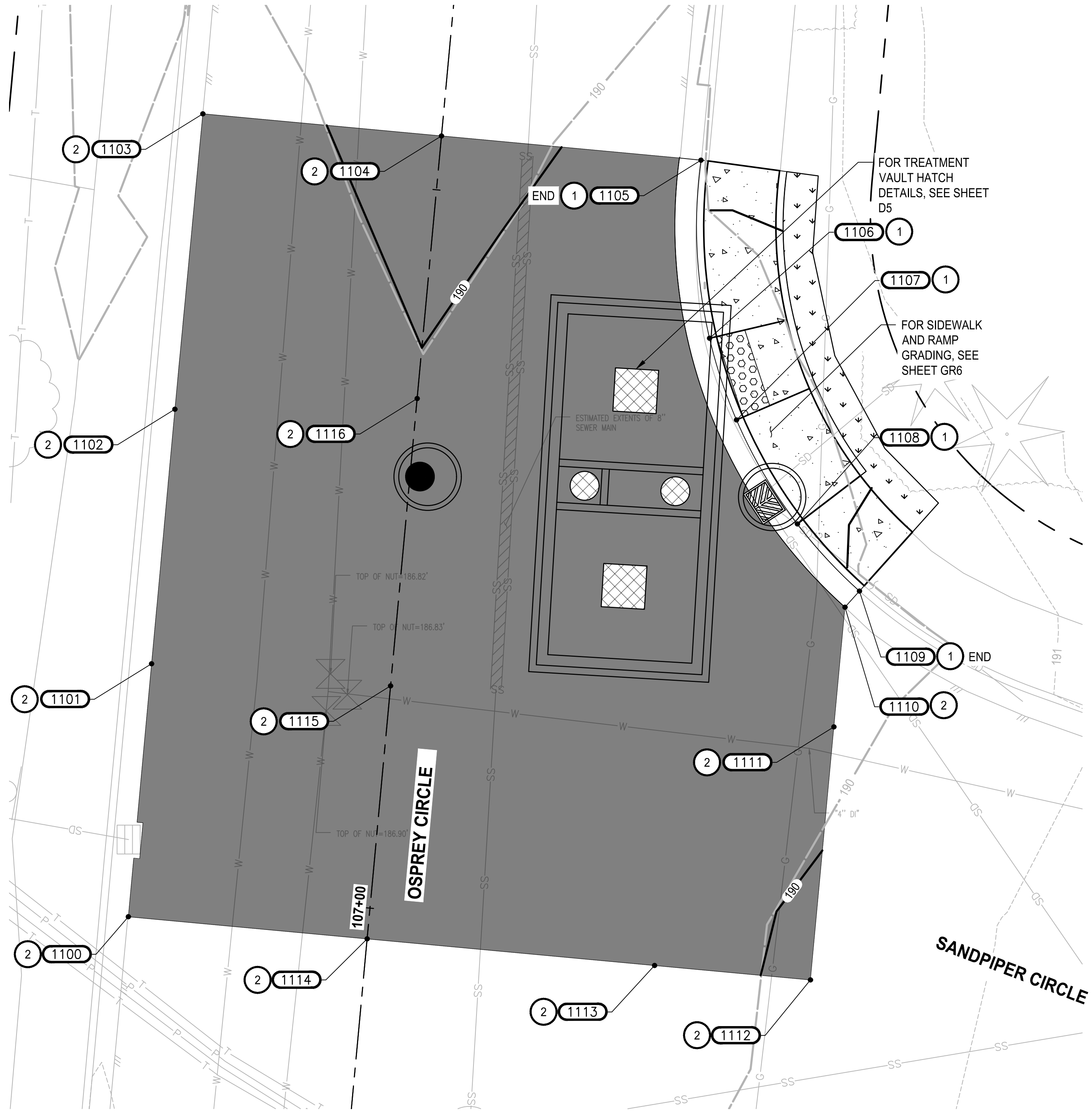
BID SET
C4
 KITSAP LAKE STORMWATER TREATMENT RETROFIT
BASIN 4
DRAINAGE PLAN AND PROFILE

P.N. 233-1896-193	DATE 4/7/25
SHEET 12	OF 29

CITY OF BREMERTON PROJECT NUMBER: 879

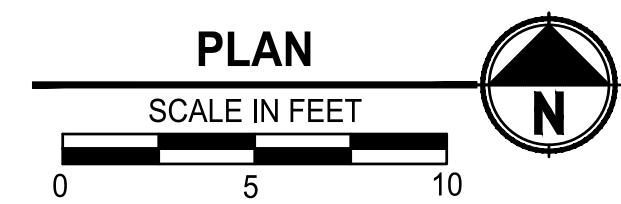
- GENERAL NOTES:**
1. REFER TO SHEET G2 FOR ABBREVIATIONS.
 2. STATION AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
 3. RADIUS CALLOUTS ARE AT FACE OF CURB.
 4. LIMIT OPEN EXCAVATION TO 25 FEET IN LENGTH.
 5. ALL CURBS ARE 6" HIGH, UNLESS OTHERWISE NOTED.
 6. ROADWAY RESTORATION SHALL BE PER COB STD DETAIL 3004.

- CONSTRUCTION KEY NOTES:**
- 1 CEMENT CONC. TRAFFIC CURB & GUTTER TYPE A PER COB STD DETAIL 3131
 - 2 ROADWAY RESTORATION PER COB STD DETAIL 3004
 - 3 6" CSTC



BASIN 2 ASPHALT				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
1100	STA 106+97.86	16.62' LT	189.09	AP, EX, TA
1101	STA 107+15.47	16.63' LT	189.25	EX, TA
1102	STA 107+33.18	16.65' LT	189.42	EX, TA
1103	STA 107+53.75	16.61' LT	189.73	AP, EX, TA
1104	STA 107+53.75	0.00' CT	190.25	EX, TA
1105	STA 107+53.73	18.06' RT	189.71	AP, EX, FL
1106	STA 107+41.50	19.79' RT	189.59	FL
1107	STA 107+36.03	22.17' RT	189.43	FL
1108	STA 107+29.24	27.04' RT	189.37	FL
1109	STA 107+25.01	31.75' RT	189.55	EX, FL

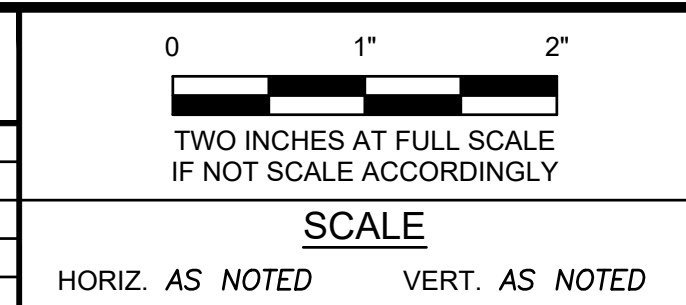
BASIN 2 ASPHALT				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
1110	STA 107+23.80	30.85' RT	189.53	AP, EX, TA
1111	STA 107+15.47	30.85' RT	189.79	EX, TA
1112	STA 106+97.86	30.85' RT	190.22	AP, EX, TA
1113	STA 106+97.86	20.00' RT	189.53	EX, TA
1114	STA 106+97.86	0.00' CT	189.46	EX, TA
1115	STA 107+15.47	0.00' CT	189.11	TA
1116	STA 107+35.47	0.00' CT	189.94	TA



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FIELD BOOK

CITY OF BREMERTON

DRAWN BY: C. ODEGARD
DATE: 4/7/25

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: M. WILDE
WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: J. WRIGHT
WASH. P.E. # 48258 DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT

BASIN 2 ROADWAY GRADING PLAN

BID SET
GR2

DATE
4/7/25

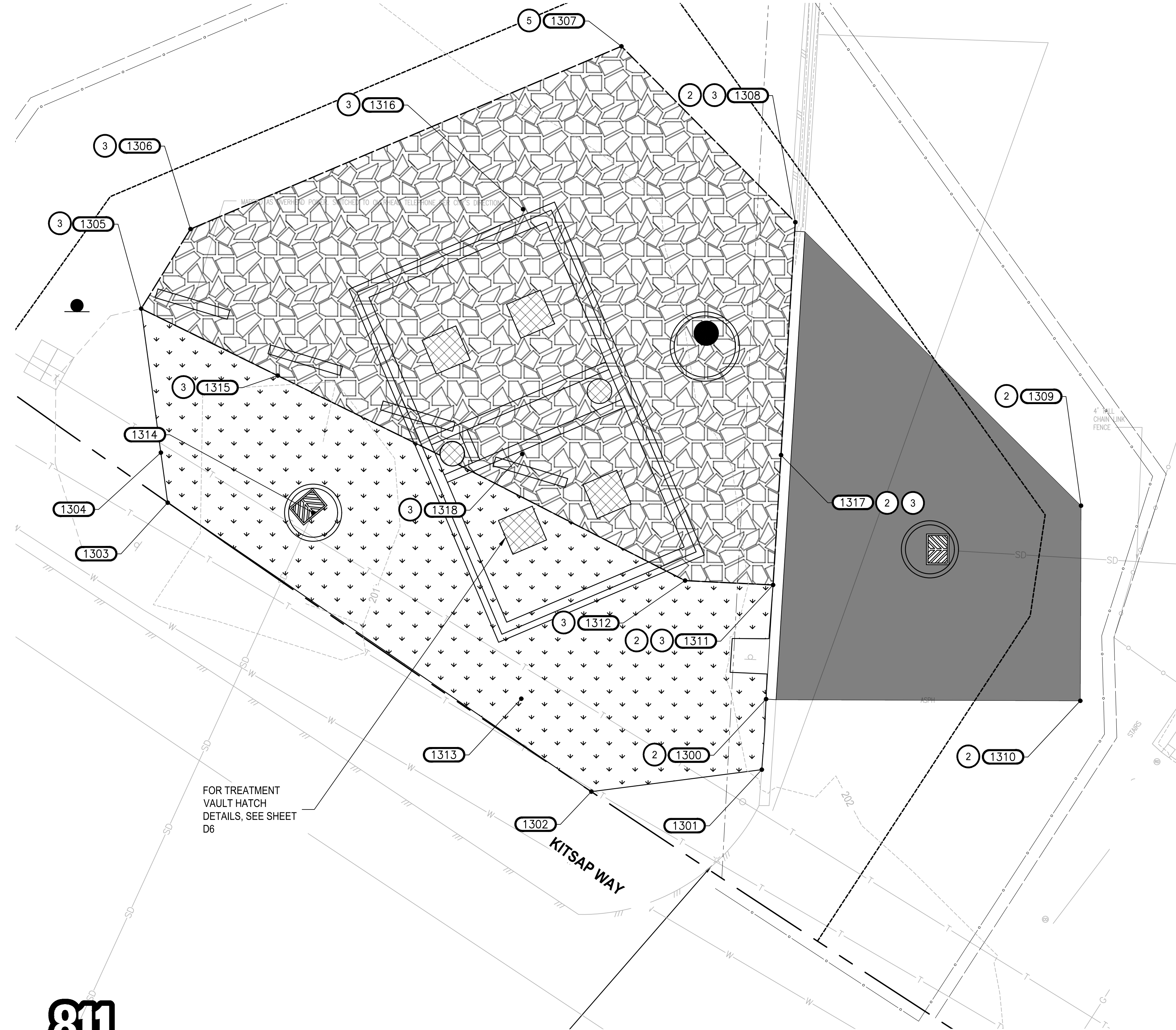
SHEET
14
OF
29

PATH: U:\PROJECTS\CLIENTS\1896-CITY OF BREMERTON\2025-1896-181-KITSAP-UTRINAL DESIGN\9595\CS\CADD\DWG\PS\1896-181-CR-DWG.PLOTTERD BY: FEENEEM DATE: 3/20/25 1:16 PM

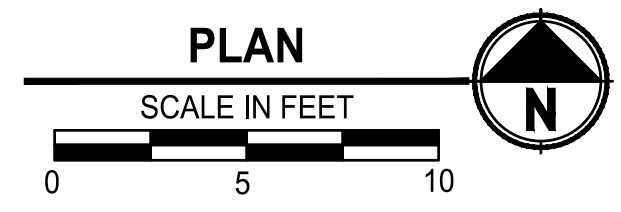
CITY OF BREMERTON PROJECT NUMBER: 879

- GENERAL NOTES:**
- REFER TO SHEET G2 FOR ABBREVIATIONS.
 - STATION AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
 - RADIUS CALLOUTS ARE AT FACE OF CURB.
 - LIMIT OPEN EXCAVATION TO 25 FEET IN LENGTH.
 - ALL CURBS ARE 6" HIGH, UNLESS OTHERWISE NOTED.
 - ROADWAY RESTORATION SHALL BE PER COB STD DETAIL 3004.

- CONSTRUCTION KEY NOTES:**
- CEMENT CONC. TRAFFIC CURB & GUTTER TYPE A PER COB STD DETAIL 3131
 - ROADWAY RESTORATION PER COB STD DETAIL 3004
 - 6" CSTC



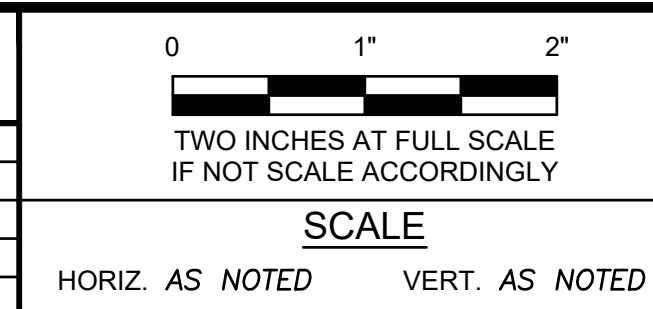
BASIN 4 GRADING				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
1300	STA 208+83.15	64.32' RT	202.20	EX,LS, TA
1301	STA 208+80.40	59.24' RT	202.04	AP, EX, LS
1302	STA 208+91.29	50.37' RT	201.47	AP, EX, LS
1303	STA 209+33.15	52.17' RT	201.11	AP, EX, LS
1304	STA 209+35.78	55.35' RT	201.14	EX, LS
1305	STA 209+43.35	64.49' RT	201.21	AP, EX, GR, LS
1306	STA 209+43.36	72.14' RT	201.32	AP, EX, GR
1307	STA 209+21.33	103.41' RT	202.30	AP, EX, GR
1308	STA 209+01.67	98.69' RT	202.75	AP, EX, GR, TA
1309	STA 208+69.62	91.32' RT	202.42	AP, EX, TA
1310	STA 208+61.26	77.75' RT	202.46	AP, EX, TA
1311	STA 208+87.58	72.55' RT	202.30	GR, LS, TA
1312	STA 208+93.88	69.06' RT	201.67	AP, GR, LS
1313	STA 209+00.15	53.80' RT	201.34	LS
1314	STA 209+22.62	57.74' RT	200.63	LS
1315	STA 209+30.99	65.73' RT	201.03	GR, LS
1316	STA 209+21.13	87.86' RT	201.76	GR
1317	STA 208+92.62	81.91' RT	202.30	GR, TA
1318	STA 209+10.64	70.83' RT	201.40	GR



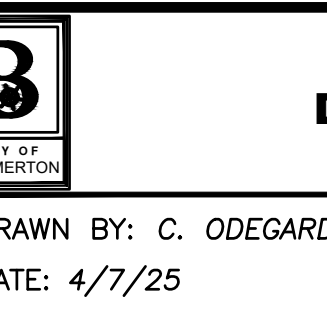
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NO	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK



CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DRAWN BY: C. ODEGARD DATE: 4/7/25
DESIGN BY: M. WILDE WASH. P.E. #54342 DATE: 4/7/25
CHECKED BY: J. WRIGHT WASH. P.E. # 48258 DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT

BASIN 4 ROADWAY GRADING PLAN

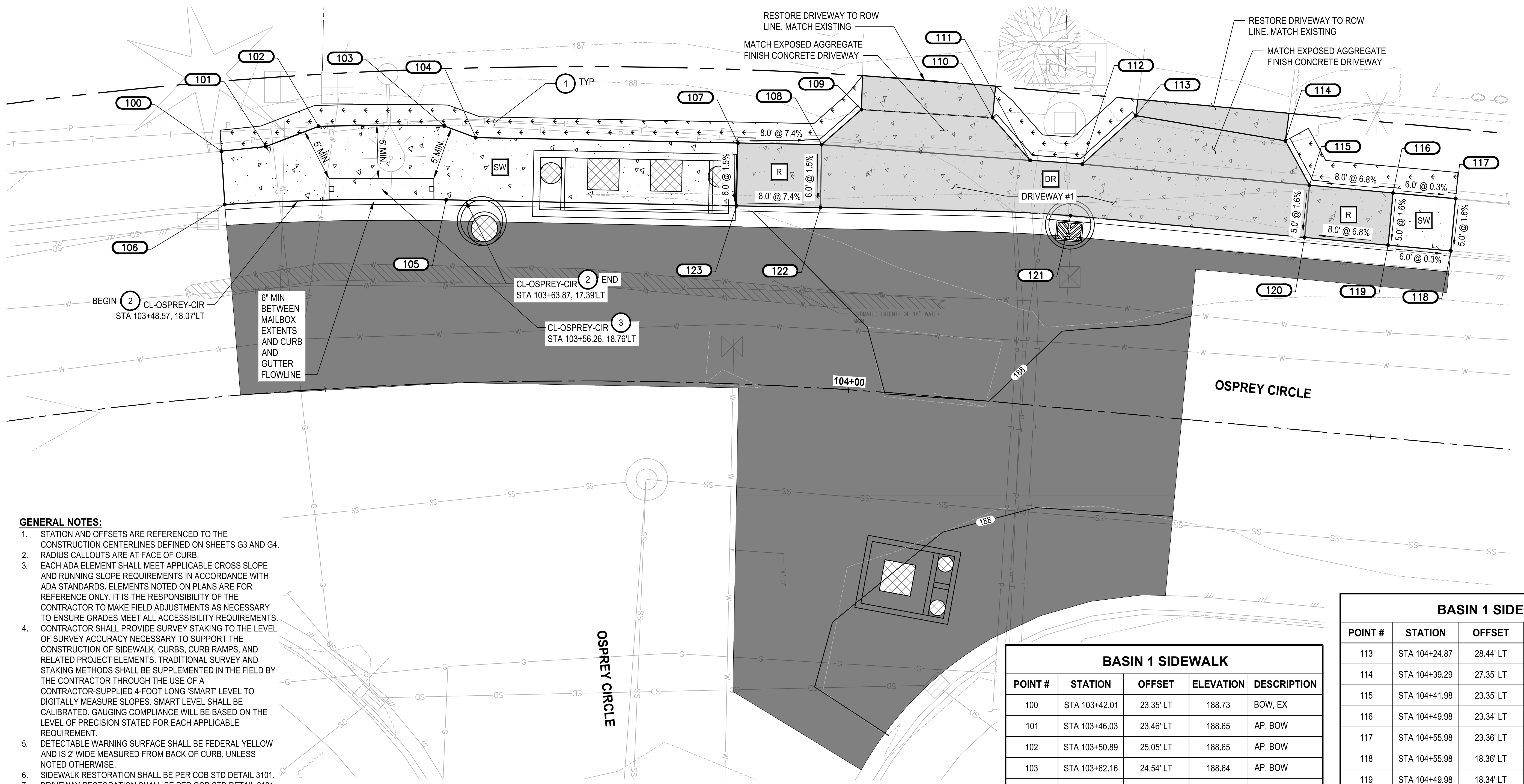
BID SET
GR4

DATE 4/7/25
SHEET 16 OF 29

PATH: L:\PSD\PROJECTS\CLIENTS\1896-CITY OF BREMERTON\2025-1896-183-KITSAP LAK STORMWATER DESIGN\995\CS\CADD\DWG\PS 1896-183-CR-DWG.PLOTED BY: FEENEEM DATE: 3/19/2025 1:16 PM

CITY OF BREMERTON PROJECT NUMBER: 879

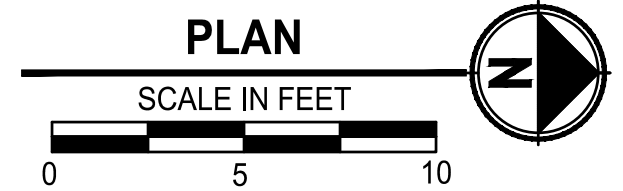
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- GENERAL NOTES:**
- STATION AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
 - RADIUS CALLOUTS ARE AT FACE OF CURB.
 - EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE REQUIREMENTS IN ACCORDANCE WITH ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE FOR 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. SMART LEVEL SHALL BE CALIBRATED. GAUGING COMPLIANCE WILL BE BASED ON THE LEVEL OF PRECISION STATED FOR EACH APPLICABLE REQUIREMENT.
 - DETECTABLE WARNING SURFACE SHALL BE FEDERAL YELLOW AND IS 2' WIDE MEASURED FROM BACK OF CURB, UNLESS NOTED OTHERWISE.
 - SIDEWALK RESTORATION SHALL BE PER COB STD DETAIL 3101.
 - DRIVEWAY RESTORATION SHALL BE PER COB STD DETAIL 3121.
 - MAILBOX STATION AND OFFSET CALLOUTS INDICATE THE APPROXIMATE CENTER OF THE MAILBOX.
 - RESTORATION LIMITS ARE INDICATED BY CLEARING AND GRUBBING LIMITS UNLESS OTHERWISE NOTED. SEE DEMOLITION SHEETS FOR CLEARING AND GRUBBING LIMITS. SEE SPECIAL PROVISIONS FOR TOPSOIL HYDROSEED MIX.

- LEGEND:**
- L LANDING
 - R RAMP
 - DR DRIVEWAY
 - SW SIDEWALK

- CONSTRUCTION KEY NOTES:**
- 4" TOPSOIL TYPE A AND HYDROSEED
 - PAINT CEMENT CONC. TRAFFIC CURB RED WITH 3" "NO PARKING" WHITE LETTERING, MATCH EXISTING
 - PERMANENT MAILBOX INSTALLATION PER DETAIL D3

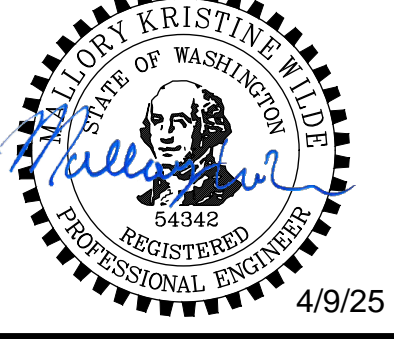


BASIN 1 SIDEWALK				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
100	STA 103+42.01	23.35' LT	188.73	BOW, EX
101	STA 103+46.03	23.46' LT	188.65	AP, BOW
102	STA 103+50.89	25.05' LT	188.65	AP, BOW
103	STA 103+62.16	24.54' LT	188.64	AP, BOW
104	STA 103+64.95	23.35' LT	188.63	AP, BOW
105	STA 103+62.11	17.48' LT	188.54	PT, TBC
106	STA 103+41.92	18.25' LT	188.57	EX, TBC
107	STA 103+88.56	22.99' LT	188.63	BOW, TOR
108	STA 103+96.12	23.19' LT	188.04	AP, BOR, BOW
109	STA 103+99.50	26.77' LT	188.00	AP, EX
110	STA 104+11.27	26.99' LT	188.00	AP, EX
111	STA 104+15.21	23.25' LT	187.76	AP, BOW
112	STA 104+20.22	23.36' LT	187.71	AP, BOW

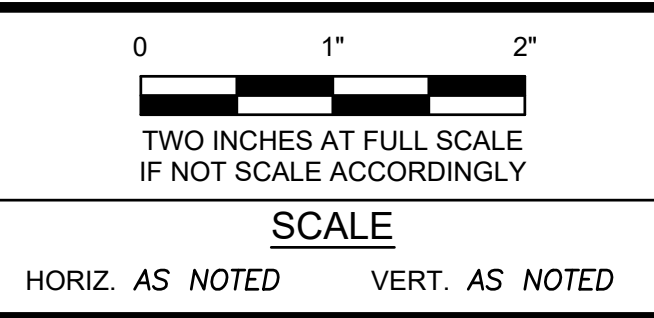
BASIN 1 SIDEWALK				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
113	STA 104+24.87	28.44' LT	187.90	AP, EX
114	STA 104+39.29	27.35' LT	187.90	AP, EX
115	STA 104+41.98	23.35' LT	187.83	AP, BOW, FOR
116	STA 104+49.98	23.34' LT	188.37	BOR, BOW
117	STA 104+55.98	23.36' LT	188.35	EX, BOW
118	STA 104+55.98	18.36' LT	188.27	EX, TBC
119	STA 104+49.98	18.34' LT	188.29	BOR, TBC
120	STA 104+41.97	18.35' LT	187.75	TBC, FOR
121	STA 104+19.55	18.35' LT	187.65	TBC
122	STA 103+96.32	17.19' LT	187.95	BOR, TBC
123	STA 103+88.65	16.99' LT	188.54	TBC, TOR



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



NO	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DRAWN BY: C. ODEGARD
DATE: 4/7/25

DESIGN BY: M. WILDE
WASH. P.E. #54342 DATE: 4/7/25

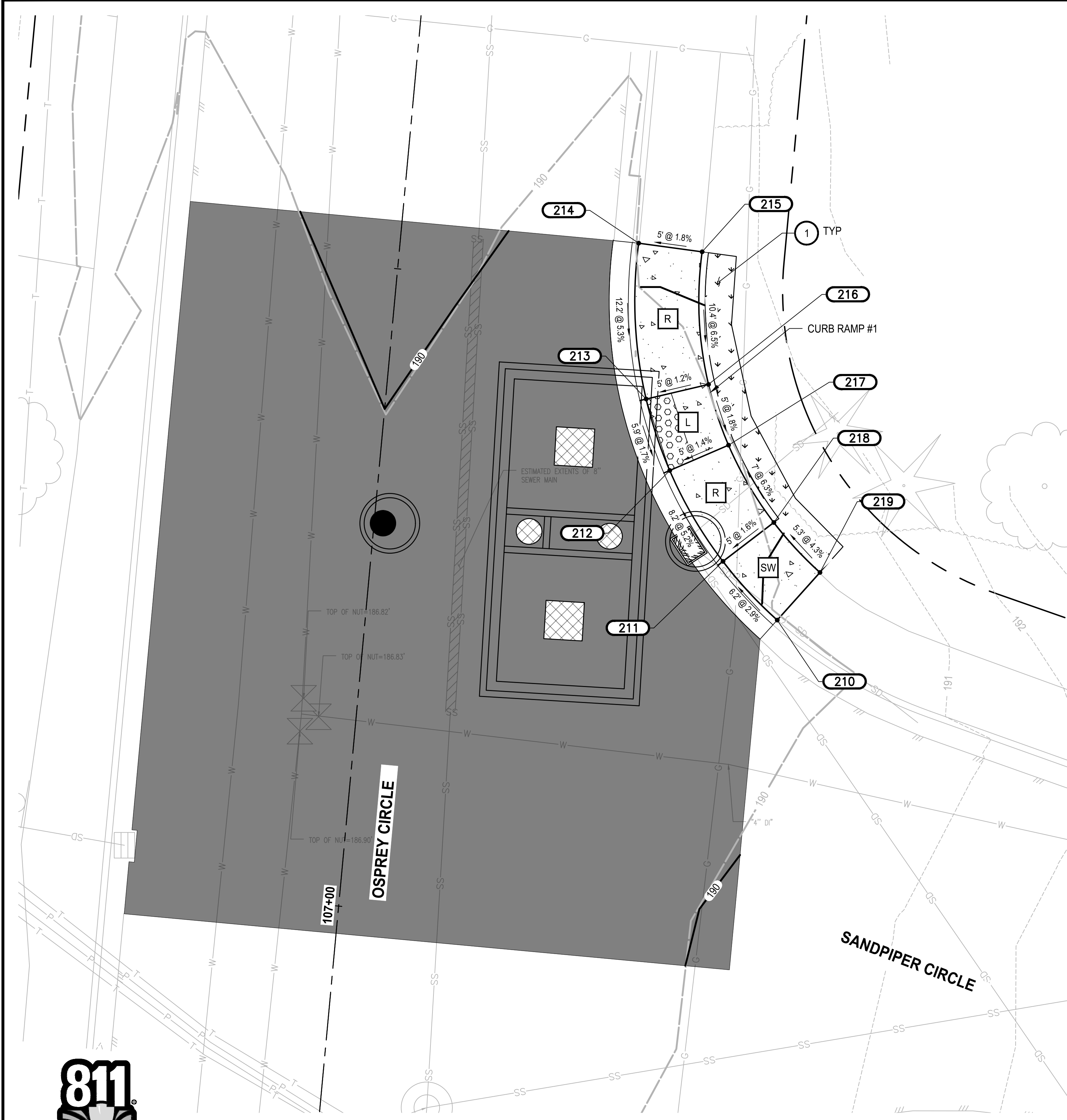
CHECKED BY: J. WRIGHT
WASH. P.E. # 48258 DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT
BASIN 1 DRIVEWAY & SIDEWALK GRADING PLAN

BID SET
GR5
DATE 4/7/25
SHEET 17 OF 29
PN: 233-1896-193

CITY OF BREMERTON PROJECT NUMBER: 879

PATH: U:\PROJECTS\CLIENTS\1886-CITY OF BREMERTON\2025-1886-183-KITSAP-UTS-UP-MASTER PLAN DESIGN\985\CS\CADD\DWG\PS\1886-183-CR-DWG.PLOT DATE: 9/20/2025 1:16 PM



- GENERAL NOTES:**
1. STATION AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
 2. RADIUS CALLOUTS ARE AT FACE OF CURB.
 3. EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE REQUIREMENTS IN ACCORDANCE WITH ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE FOR 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. SMART LEVEL SHALL BE CALIBRATED. GAUGING COMPLIANCE WILL BE BASED ON THE LEVEL OF PRECISION STATED FOR EACH APPLICABLE REQUIREMENT.
 5. DETECTABLE WARNING SURFACE SHALL BE FEDERAL YELLOW AND IS 2' WIDE MEASURED FROM BACK OF CURB, UNLESS NOTED OTHERWISE.
 6. SIDEWALK RESTORATION SHALL BE PER COB STD DETAIL 3101.
 7. DRIVEWAY RESTORATION SHALL BE PER COB STD DETAIL 3121.
 8. MAILBOX STATION AND OFFSET CALLOUTS INDICATE THE APPROXIMATE CENTER OF THE MAILBOX.
 9. RESTORATION LIMITS ARE INDICATED BY CLEARING AND GRUBBING LIMITS UNLESS OTHERWISE NOTED. SEE DEMOLITION SHEETS FOR CLEARING AND GRUBBING LIMITS. SEE SPECIAL PROVISIONS FOR TOPSOIL HYDROSEED MIX.

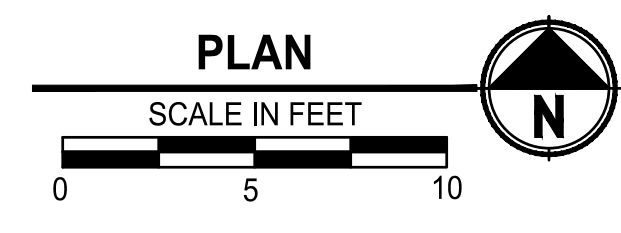
- LEGEND:**
- L LANDING
 - DR DRIVEWAY
 - R RAMP
 - SW SIDEWALK

- CONSTRUCTION KEY NOTES:**
- 1 4" TOPSOIL TYPE A AND HYDROSEED
 - 2 PAINT CEMENT CONC. TRAFFIC CURB RED WITH 3" "NO PARKING" WHITE LETTERING, MATCH EXISTING
 - 3 PERMANENT MAILBOX INSTALLATION PER DETAIL 3
D3

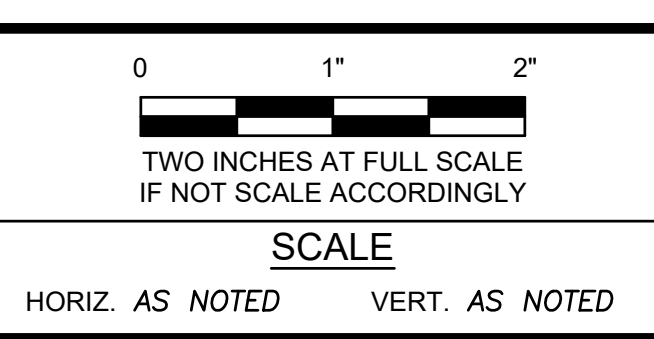
BASIN 2 SIDEWALK				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
210	STA 107+25.41	32.05' RT	190.05	EX, TBC
211	STA 107+29.58	27.40' RT	189.87	TBC, TOR
212	STA 107+36.27	22.61' RT	189.44	BOR, FOL
213	STA 107+41.66	20.26' RT	189.54	BOR, FOL
214	STA 107+53.73	18.56' RT	190.18	EX, TOR
215	STA 107+53.51	23.56' RT	190.27	EX, TOR
216	STA 107+43.25	25.00' RT	189.60	BOL, BOR
217	STA 107+38.66	27.00' RT	189.51	BOL, BOR
218	STA 107+32.97	31.08' RT	189.95	BOW, TOR
219	STA 107+29.42	35.03' RT	190.18	BOW, EX



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Determina lo que esta bajo tierra.
Llama antes de excavar.



NO	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK

B
CITY OF BREMERTON

DRAWN BY: C. ODEGARD
DATE: 4/7/25

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: M. WILDE
WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: J. WRIGHT
WASH. P.E. # 48258 DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT

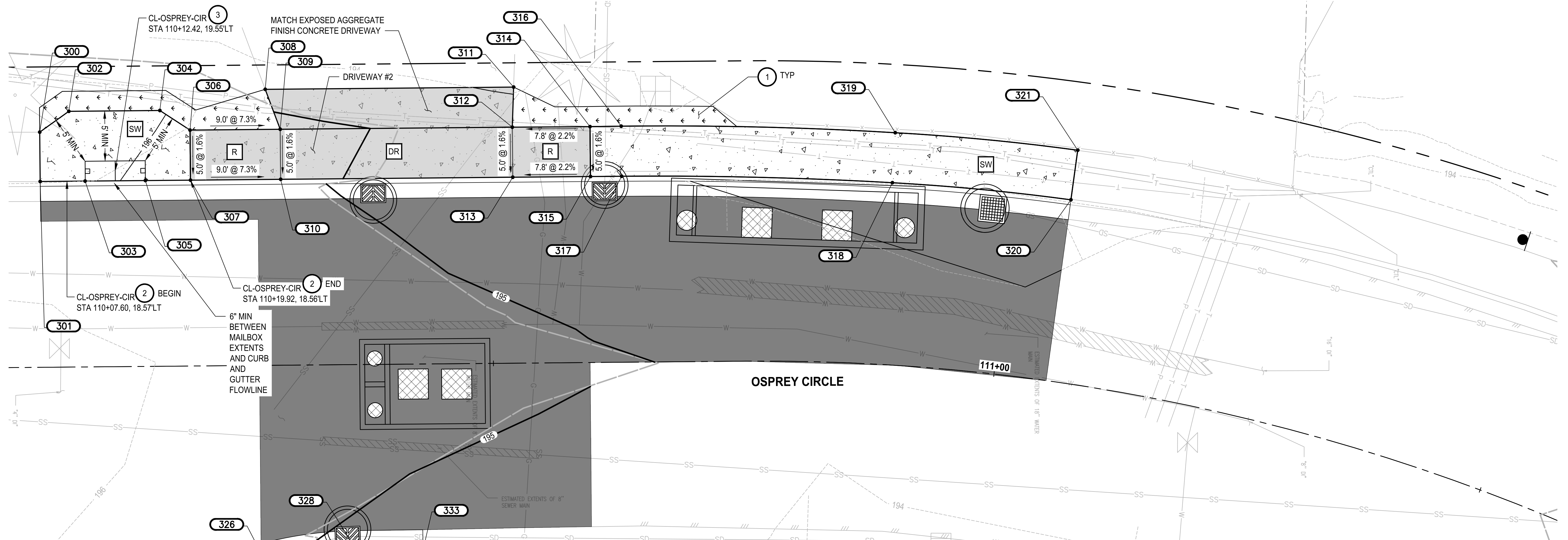
BASIN 2 DRIVEWAY & SIDEWALK GRADING PLAN

BID SET
GR6

DATE: 4/7/25
SHEET 18 OF 29

CITY OF BREMERTON PROJECT NUMBER: 879

PATH: U:\PROJECTS\CLIENTS\CITY OF BREMERTON\2023\1896-188-183\UTS\UP\UTS\REFINAL\DESIGN\985\CS\CADD\DWG\985\985-DR-DWG.PLOT BY: ODEGARD, DATE: 10/20/23 1:16 PM

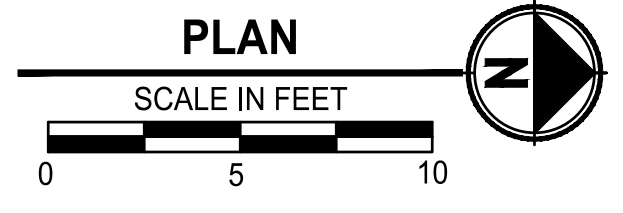


CONSTRUCTION KEY NOTES:

- 1 4" TOPSOIL TYPE A AND HYDROSEED
- 2 PAINT CEMENT CONC. TRAFFIC CURB RED WITH 3" "NO PARKING" WHITE LETTERING, MATCH EXISTING
- 3 PERMANENT MAILBOX INSTALLATION PER DETAIL 3
D3

LEGEND:

- L LANDING
- DR DRIVEWAY
- R RAMP
- SW SIDEWALK

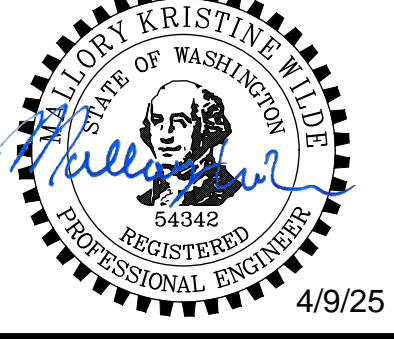


BASIN 3 SIDEWALK				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
300	STA 110+04.92	23.49' LT	196.27	EX, BOW
301	STA 110+04.92	18.56' LT	196.14	EX, FOW
302	STA 110+07.84	25.54' LT	196.21	BOW
303	STA 110+09.41	18.56' LT	196.07	FOW
304	STA 110+16.93	25.54' LT	196.02	BOW, EX, TOR
305	STA 110+15.42	18.57' LT	195.95	EX, TOR
306	STA 110+19.92	23.56' LT	195.92	BOW, EX, TOR
307	STA 110+19.92	18.56' LT	195.84	EX, BOR
308	STA 110+27.46	27.57' LT	194.66	EX
309	STA 110+28.92	23.57' LT	195.26	BOR, EX
310	STA 110+28.92	18.57' LT	195.18	BOR, FOW
311	STA 110+52.25	27.57' LT	193.87	EX
312	STA 110+52.08	23.57' LT	194.59	BOR, EX
313	STA 110+52.09	18.57' LT	194.51	BOR, FOW
314	STA 110+59.84	23.56' LT	194.76	AP, BOW, TOR
315	STA 110+59.85	18.58' LT	194.68	TOR, FOW
316	STA 110+62.95	23.58' LT	194.67	FOW

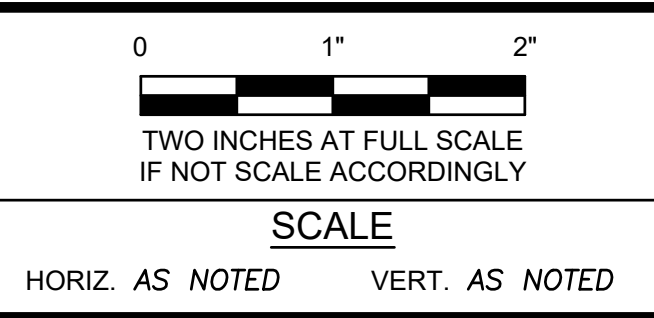
BASIN 3 SIDEWALK				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
317	STA 110+62.95	18.58' LT	194.59	FOW, PT
318	STA 110+88.78	18.19' LT	194.22	FOW, PCC
319	STA 110+88.77	23.19' LT	194.30	BOW, PCC
320	STA 111+05.22	18.22' LT	194.29	EX, FOW
321	STA 111+05.21	23.22' LT	194.40	BOW, EX
326	STA 110+27.14	19.72' RT	195.54	EX, FL
327	STA 110+28.37	24.57' RT	195.77	BOW, EX
328	STA 110+36.20	18.58' RT	195.46	FL, PT
329	STA 110+34.69	23.62' RT	195.55	AP, BOW
330	STA 110+37.26	24.07' RT	195.50	AP, BOW
331	STA 110+40.26	24.06' RT	195.37	AP, BOW
332	STA 110+42.84	23.55' RT	195.35	BOW, EX
333	STA 110+42.81	18.55' RT	195.16	EX, FL

GENERAL NOTES:

1. STATION AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4. RADIUS CALLOUTS ARE AT FACE OF CURB.
2. EACH ADA ELEMENT SHALL MEET APPLICABLE CROSS SLOPE AND RUNNING SLOPE REQUIREMENTS IN ACCORDANCE WITH ADA STANDARDS. ELEMENTS NOTED ON PLANS ARE FOR 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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4. DETECTABLE WARNING SURFACE SHALL BE FEDERAL YELLOW AND IS 2' WIDE MEASURED FROM BACK OF CURB, UNLESS NOTED OTHERWISE.
5. SIDEWALK RESTORATION SHALL BE PER COB STD DETAIL 3101.
6. DRIVEWAY RESTORATION SHALL BE PER COB STD DETAIL 3121.
7. MAILBOX STATION AND OFFSET CALLOUTS INDICATE THE APPROXIMATE CENTER OF THE MAILBOX.
8. RESTORATION LIMITS ARE INDICATED BY CLEARING AND GRUBBING LIMITS UNLESS OTHERWISE NOTED. SEE DEMOLITION SHEETS FOR CLEARING AND GRUBBING LIMITS. SEE SPECIAL PROVISIONS FOR TOPSOIL HYDROSEED MIX.



NO	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK



CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DRAWN BY: C. ODEGARD
 DATE: 4/7/25

DESIGN BY: M. WILDE
 WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: J. WRIGHT
 WASH. P.E. # 48258 DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT

BASIN 3 DRIVEWAY & SIDEWALK GRADING PLAN

DATE: 4/7/25
 SHEET 19 OF 29

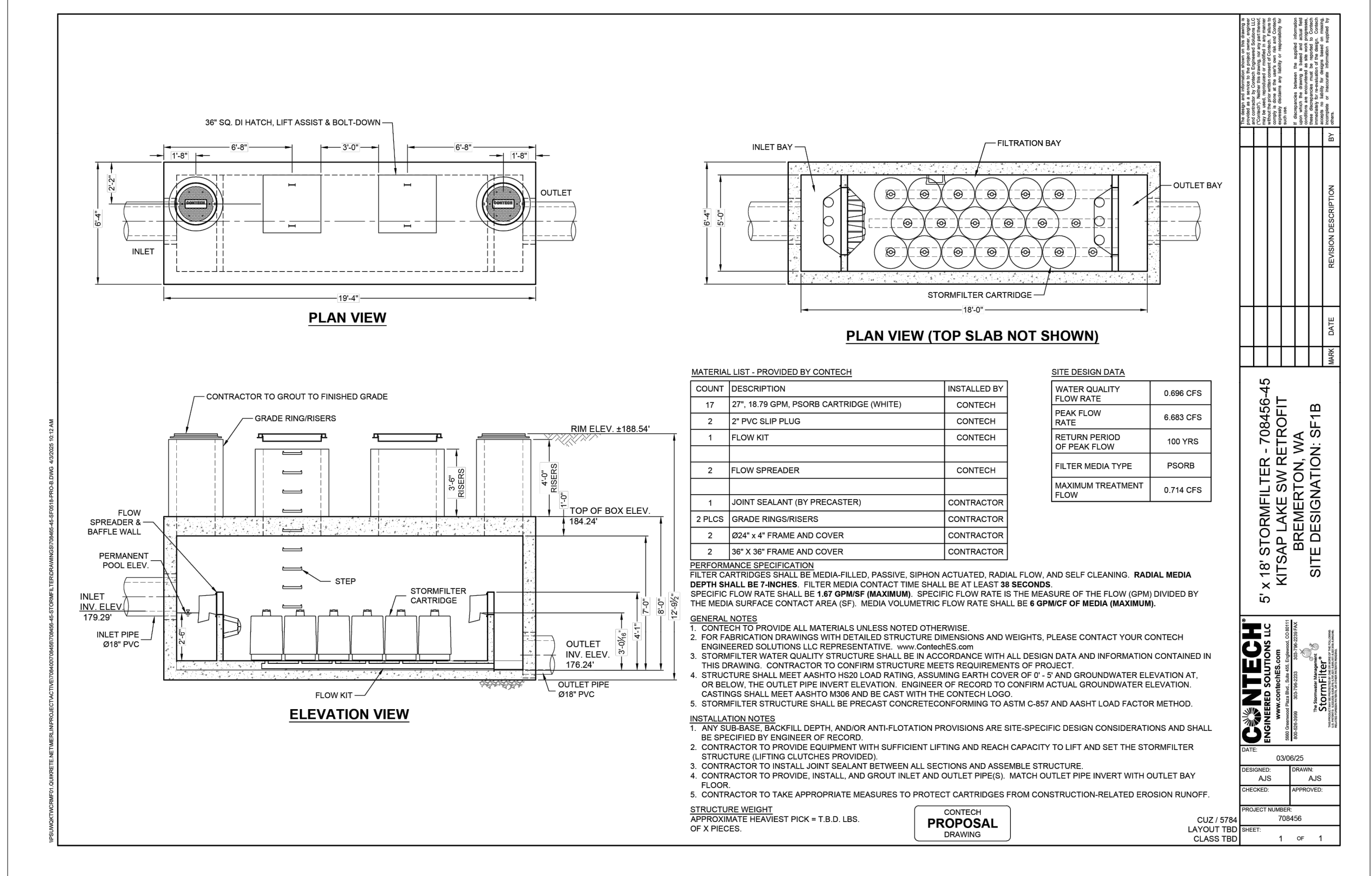
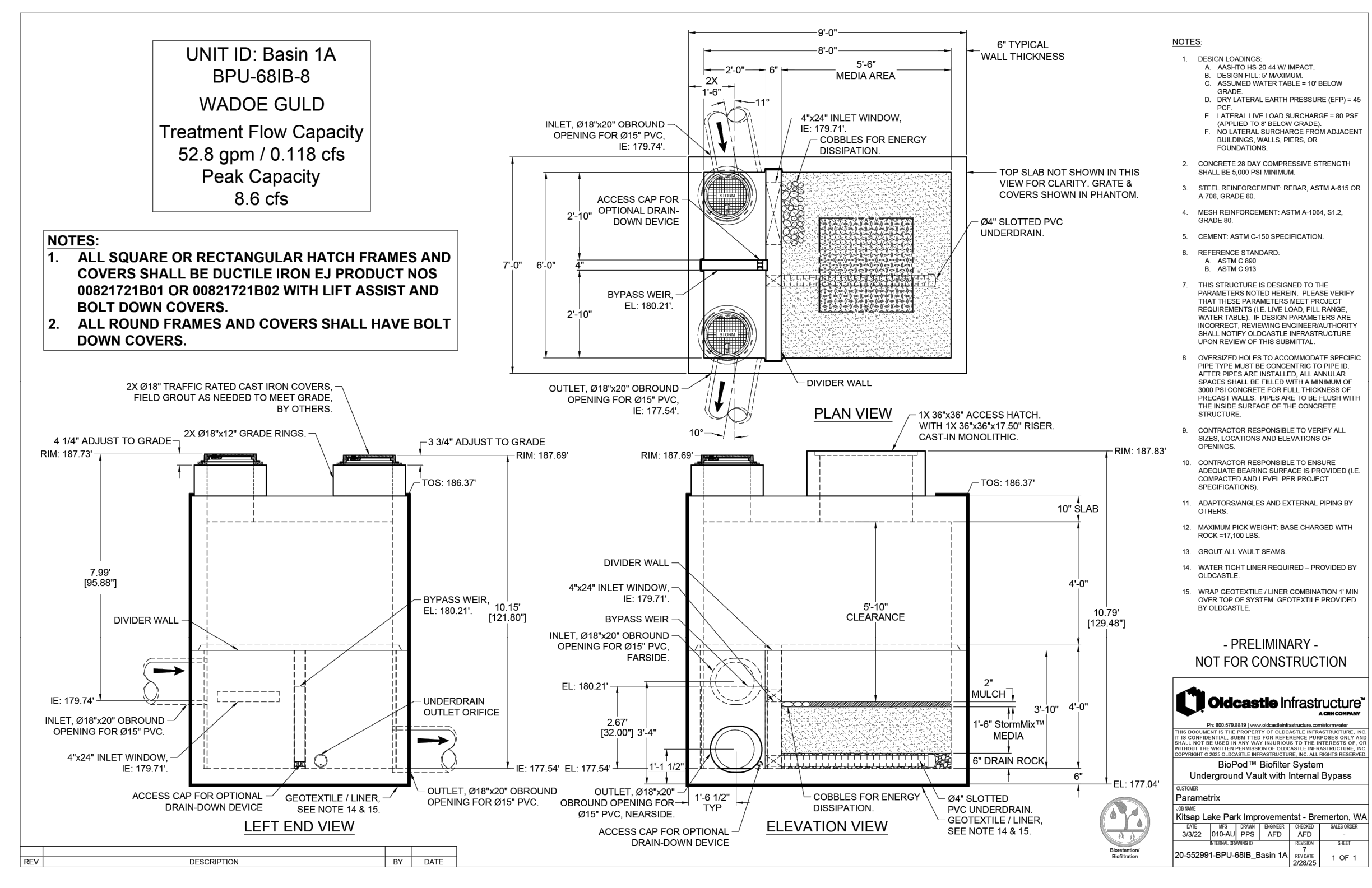
P.N. 233-1896-193

BID SET GR7

CITY OF BREMERTON PROJECT NUMBER: 879

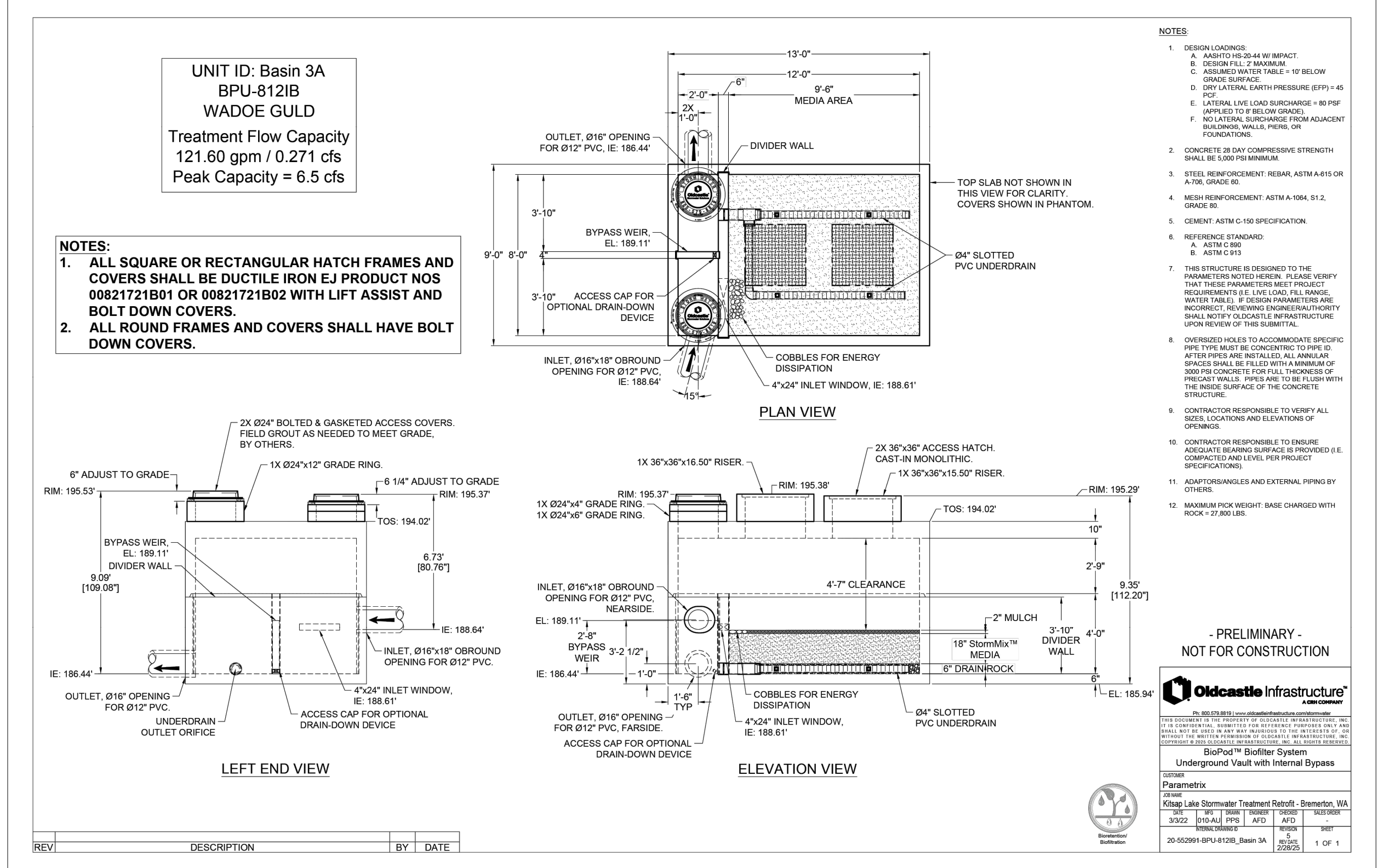
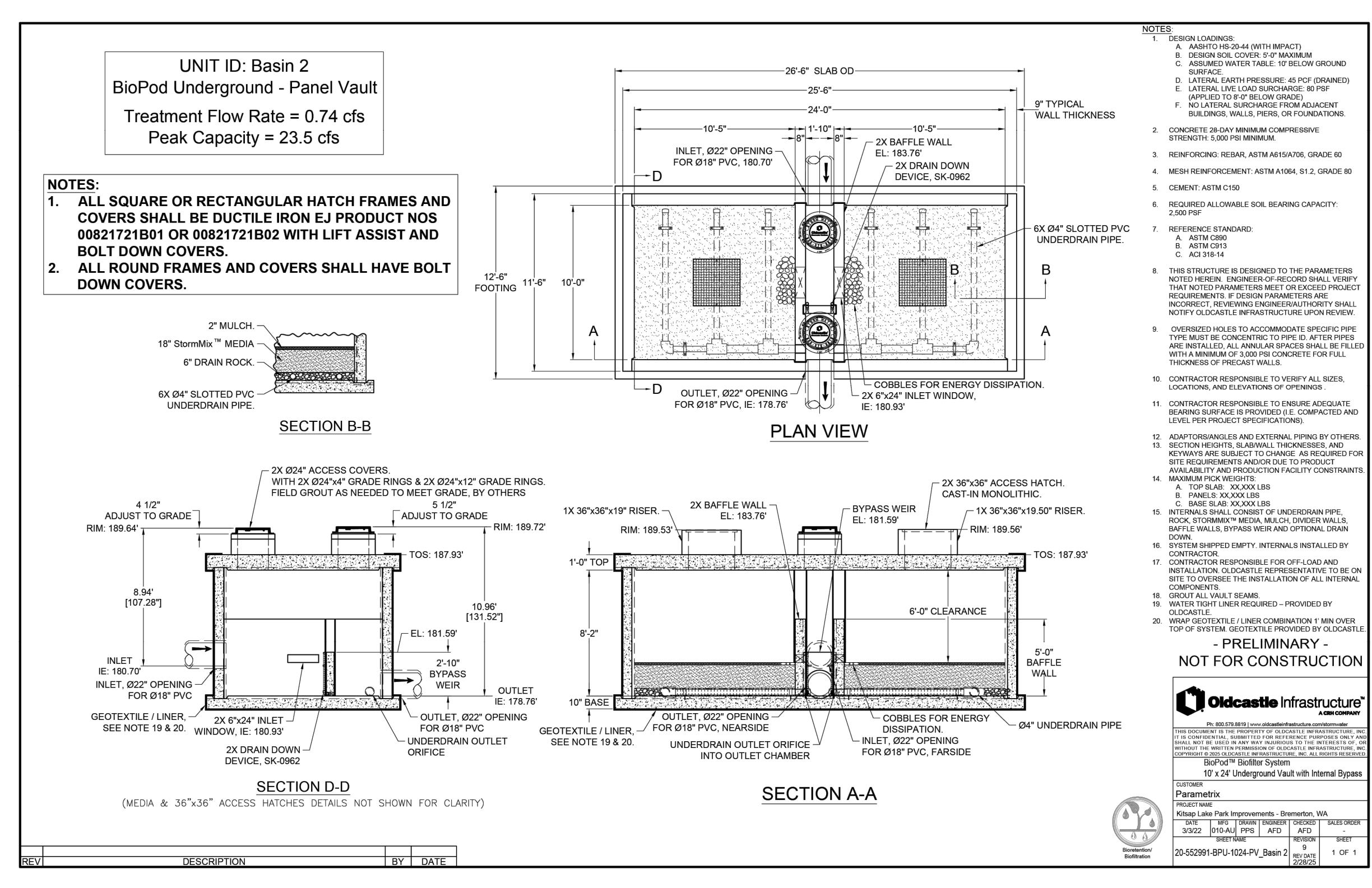
GENERAL NOTES:

- ALL SQUARE OR RECTANGULAR HATCH FRAMES AND COVERS SHALL BE DUCTILE IRON EJ PRODUCT NOS 00821721B01 OR 00821721B02 WITH LIFT ASSIST AND BOLT DOWN COVERS. ALL ROUND FRAMES AND COVERS SHALL HAVE BOLT DOWN COVERS.
- ALL ROUND FRAMES AND COVERS SHALL HAVE BOLT DOWN COVERS.
- SHORING SYSTEMS INSTALLED ADJACENT TO THE 18-INCH DUCTILE IRON WATER MAIN UNDER OSPREY CIRCLE SHALL BE INSTALLED WITHIN A MAXIMUM 3-DAY PERIOD. THE WATER MAIN WILL BE VALVED OFF BY THE CITY/WATER PURVEYOR DURING THIS 3-DAY PERIOD. AFTER SHORING IS INSTALLED, THE WATER WILL BE VALVED ON. SIMILARLY, SHORING REMOVAL SHALL BE DONE WITHIN A MAXIMUM 3-DAY PERIOD. ONLY A MAXIMUM 3-CALENDAR DAY WATER SHUT OFF DURING SHORING INSTALLATION AND A SUBSEQUENT MAXIMUM 3-CALENDAR DAY WATER SHUT OFF DURING SHORING REMOVAL SHALL BE ALLOWED.



BIOPOD #1A
DETAIL
NO SCALE C1

STORMFILTER #1B
DETAIL
NO SCALE C1

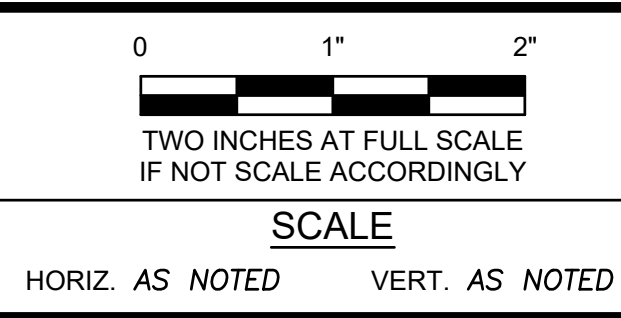


BIOPOD #2
DETAIL
NO SCALE C2

BIOPOD #3A
DETAIL
NO SCALE C3



REVISIONS		DATE	BY
NO	DESCRIPTION		



FIELD BOOK

CITY OF BREMERTON

DRAWN BY: C. ODEGARD
DATE: 4/7/25

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: M. WILDE
WASH. P.E. #54342
DATE: 4/7/25

CHECKED BY: J. WRIGHT
WASH. P.E. # 482524
DATE: 4/7/25

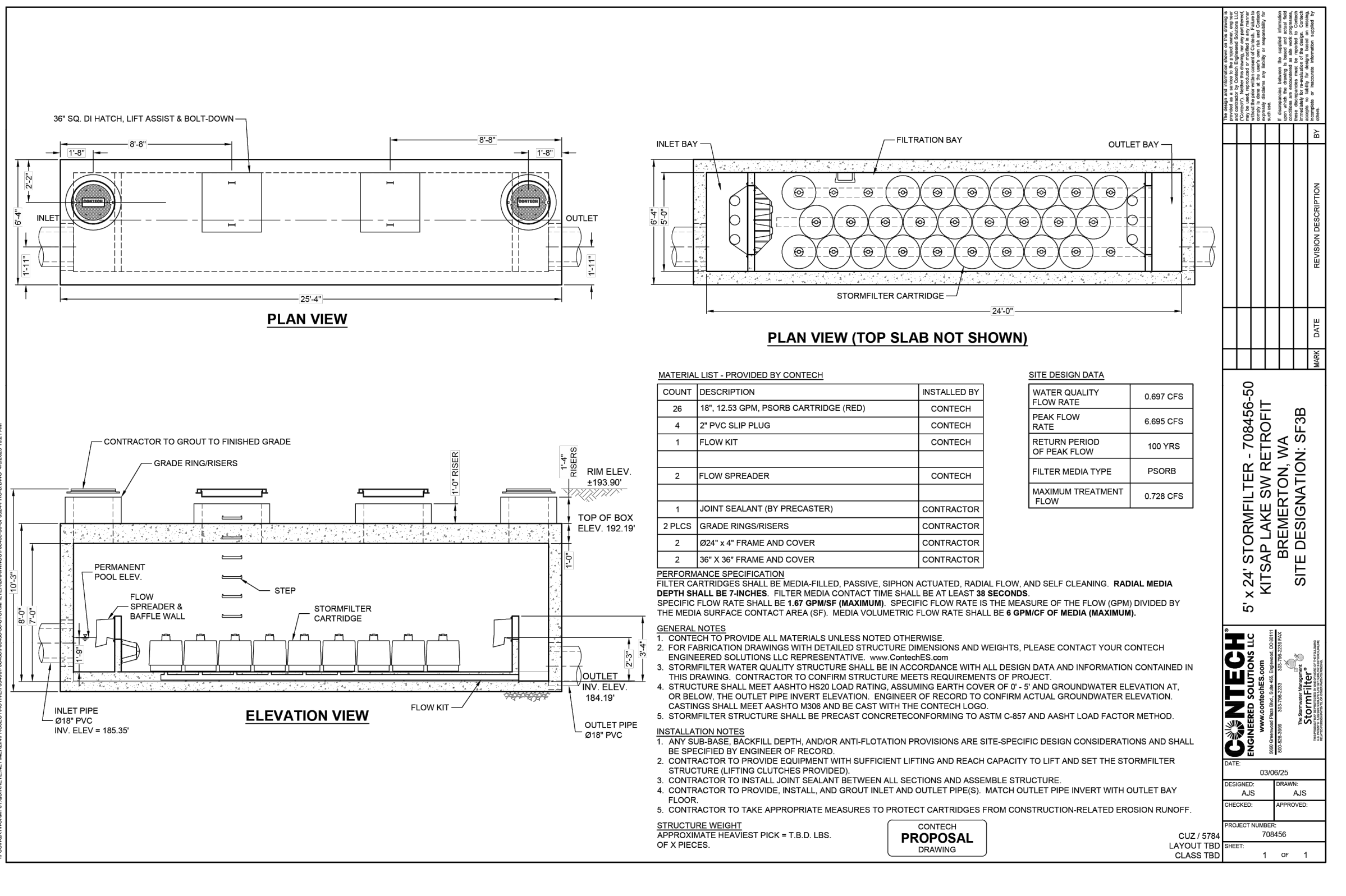
KITSAP LAKE STORMWATER TREATMENT RETROFIT

TREATMENT VAULT DETAILS

DATE: 4/7/25

SHEET 20 OF 29

PN: 233-1896-193



**STORMFILTER #3B
DETAIL**

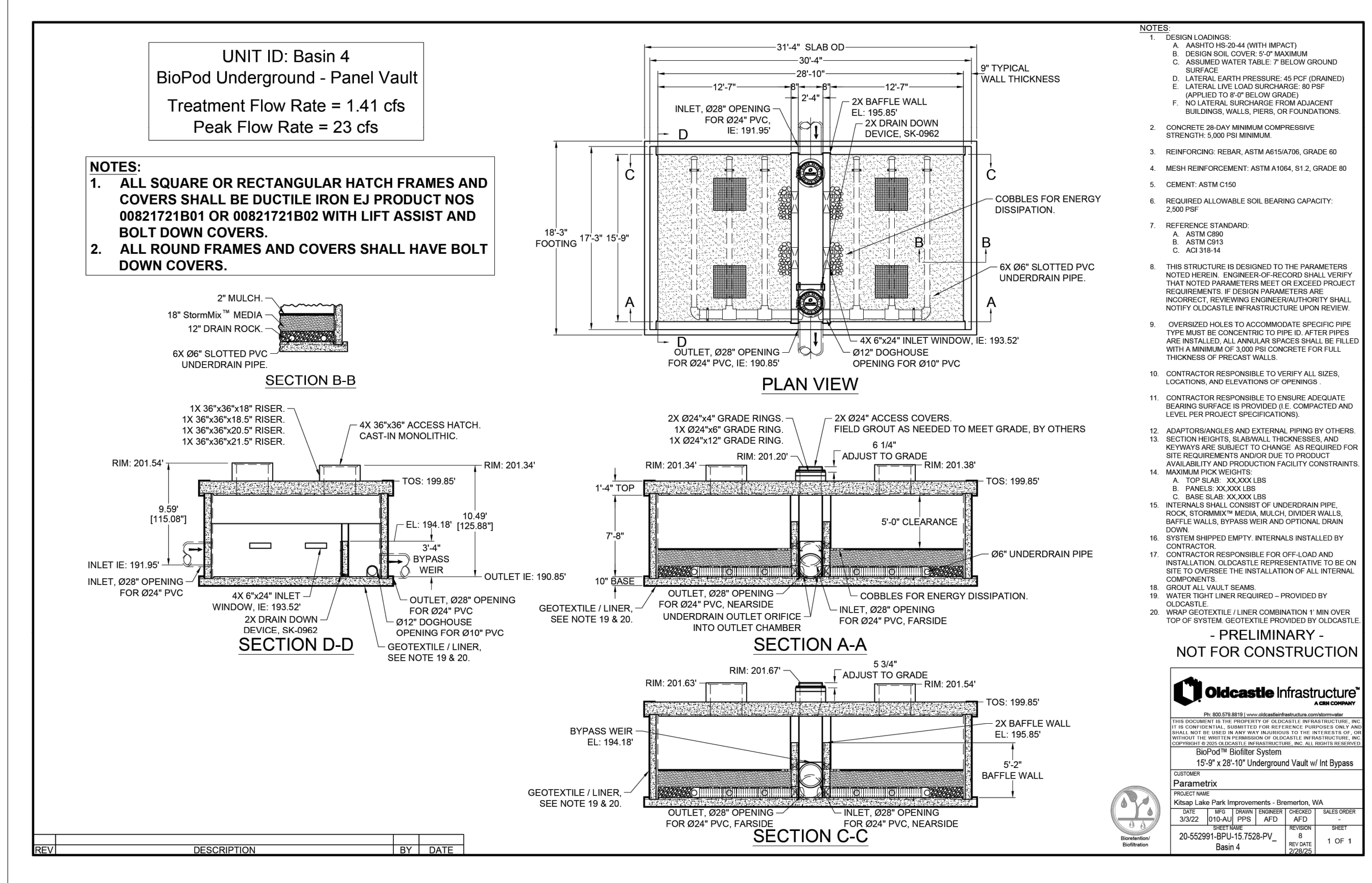
NO SCALE



C3

GENERAL NOTES:

- ALL SQUARE OR RECTANGULAR HATCH FRAMES AND COVERS SHALL BE DUCTILE IRON EJ PRODUCT NOS 00821721B01 OR 00821721B02 WITH LIFT ASSIST AND BOLT DOWN COVERS. ALL ROUND FRAMES AND COVERS SHALL HAVE BOLT DOWN COVERS.
- ALL ROUND FRAMES AND COVERS SHALL HAVE BOLT DOWN COVERS.
- SHORING SYSTEMS INSTALLED ADJACENT TO THE 18-INCH DUCTILE IRON WATER MAIN UNDER OSPREY CIRCLE SHALL BE INSTALLED WITHIN A MAXIMUM 3-DAY PERIOD. THE WATER MAIN WILL BE VALVED OFF BY THE CITY/WATER PURVEYOR DURING THIS 3-DAY PERIOD. AFTER SHORING IS INSTALLED, THE WATER WILL BE VALVED ON. SIMILARLY, SHORING REMOVAL SHALL BE DONE WITHIN A MAXIMUM 3-DAY PERIOD. ONLY A MAXIMUM 3-CALNDAR DAY WATER SHUT OFF DURING SHORING INSTALLATION AND A SUBSEQUENT MAXIMUM 3-CALNDAR DAY WATER SHUT OFF DURING SHORING REMOVAL SHALL BE ALLOWED.

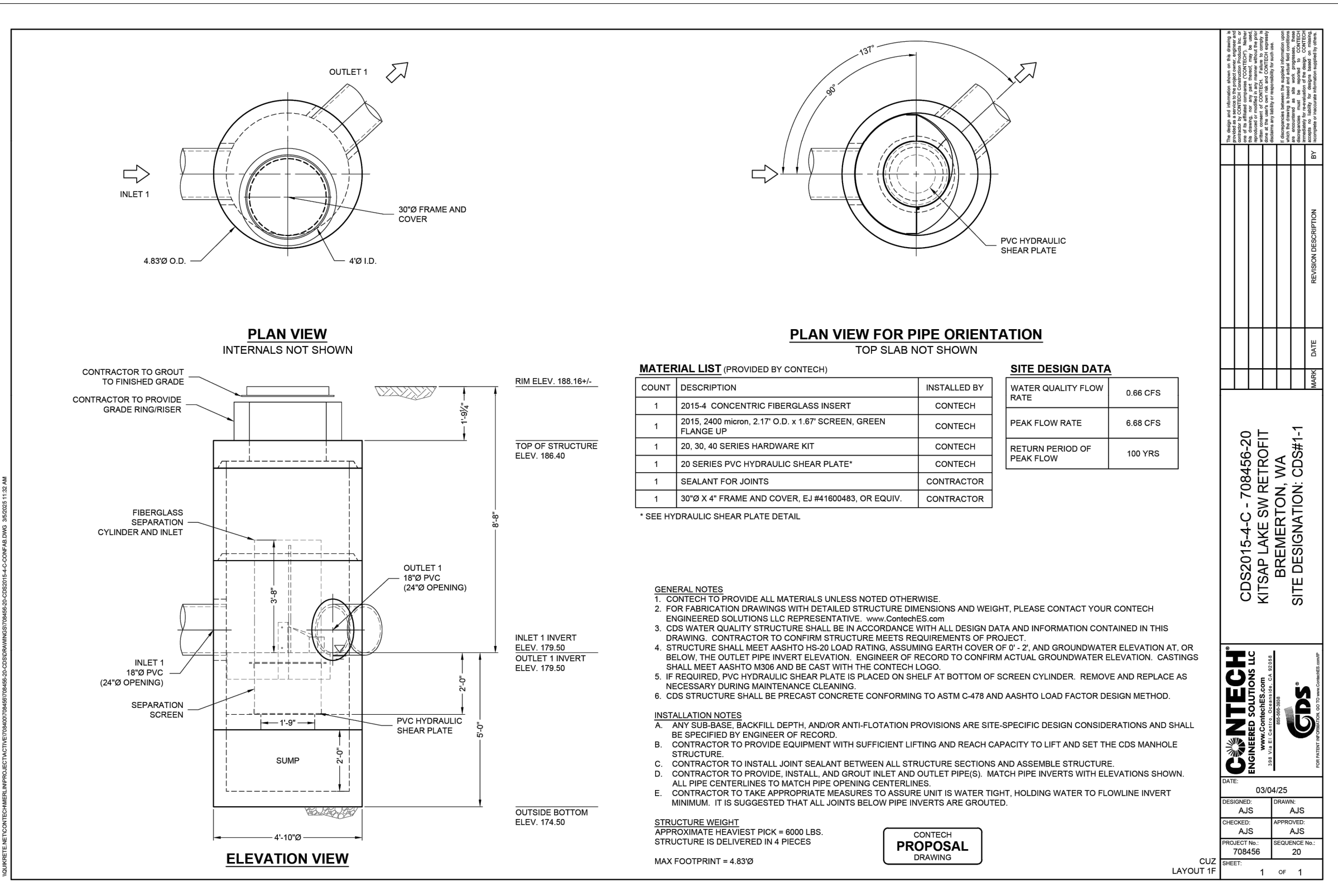


**BIOPOD #4
DETAIL**

NO SCALE

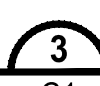


C4

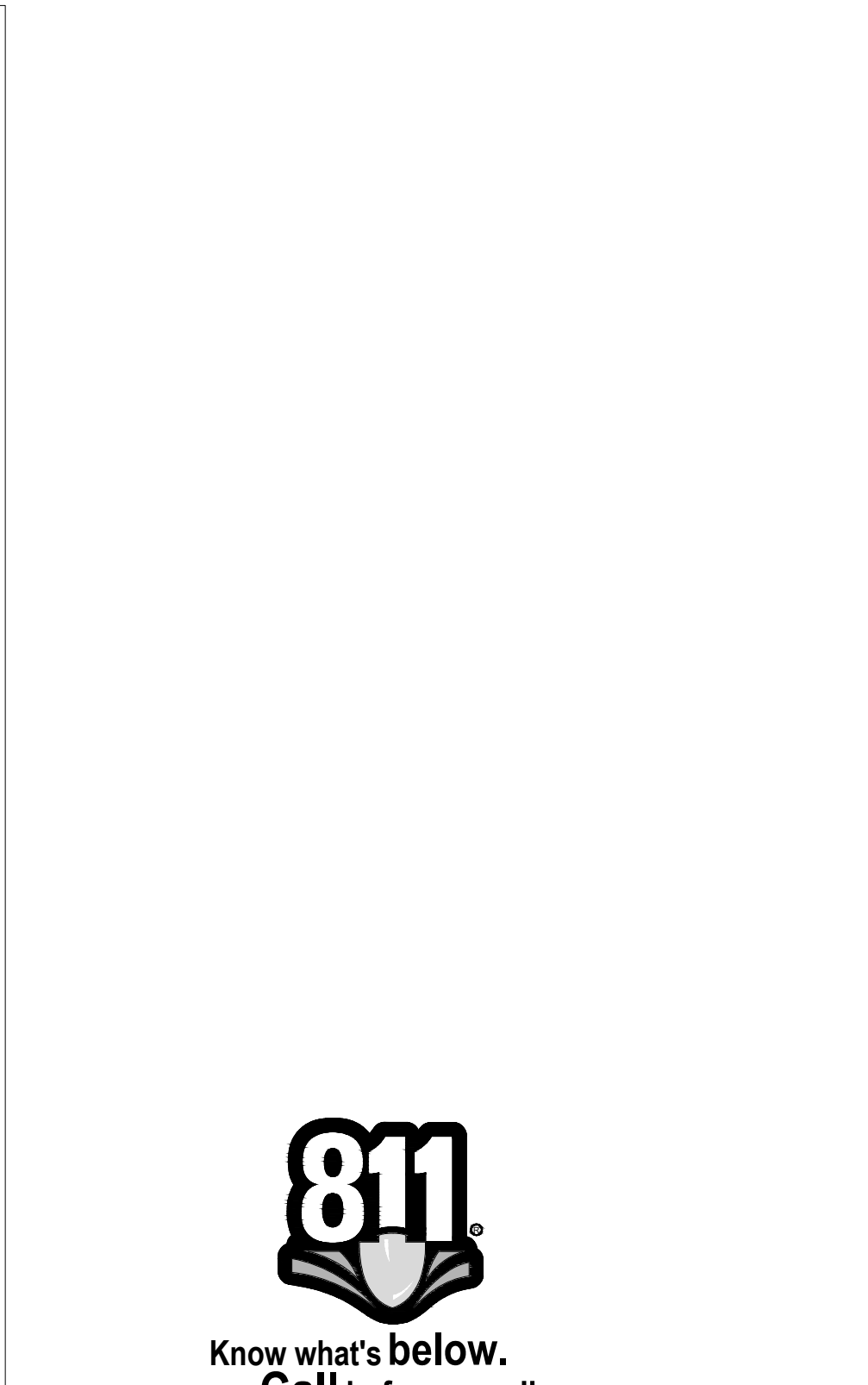


**CDS #1-1
DETAIL**

NO SCALE



C1



**CDS #3-1
DETAIL**

NO SCALE



C4



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

PATH: U:\PROJ\PROJECTS\Clients\1896-CITY OF BREMERTON\233-1896-153 KITSAP LAK STORMWATER TREATMENT VAULT\DWG\1896-153-01-DWG PLOTTED BY FEENEEM DATE: 4/20/25 10:51 AM



REVISIONS			FIELD BOOK
NO	DESCRIPTION	DATE BY	

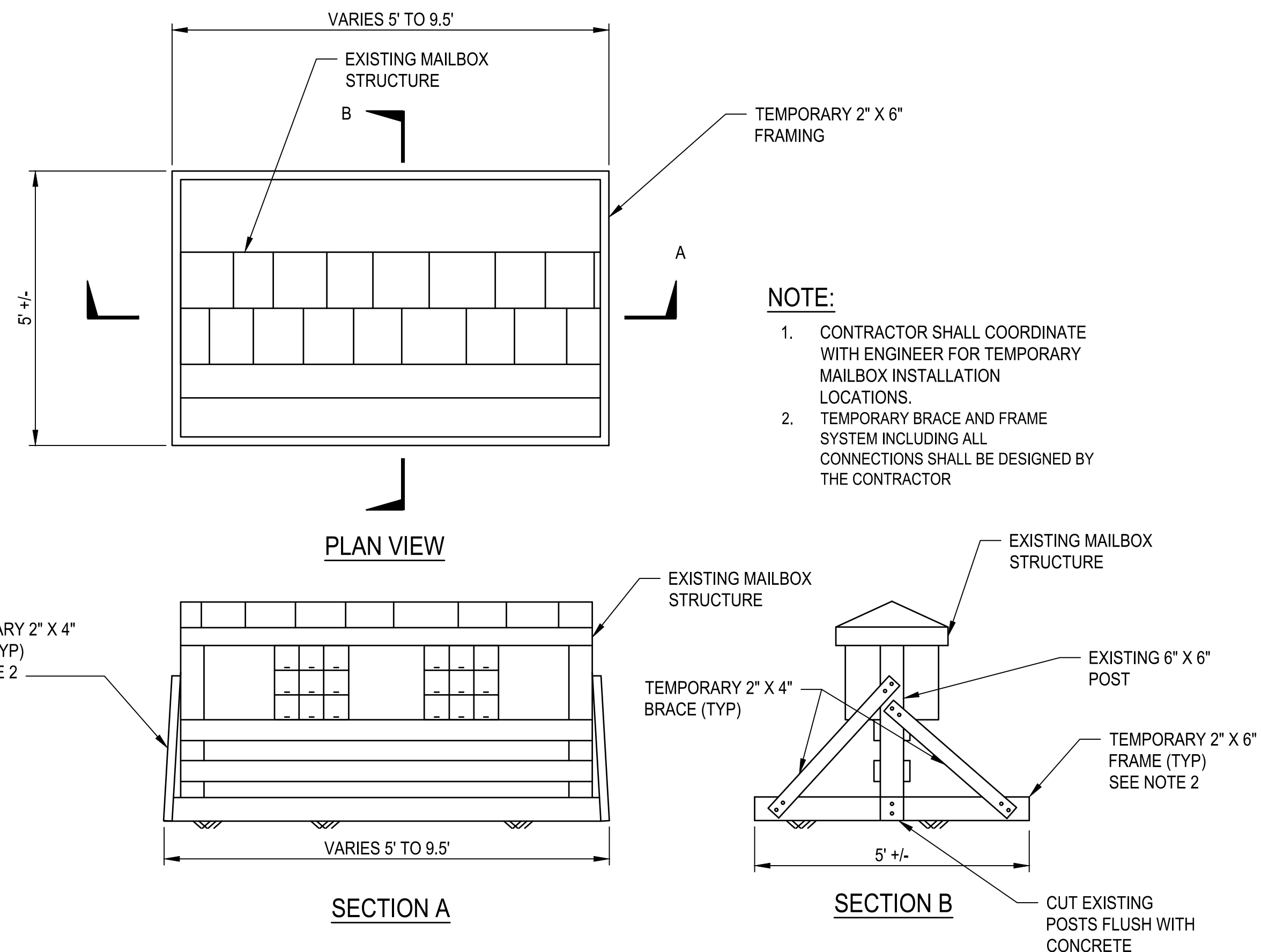
SCALE		DRAWN BY: C. ODEGARD DATE: 4/7/25	DESIGN BY: M. WILDE WASH. P.E. #54342 DATE: 4/7/25	CHECKED BY: J. WRIGHT WASH. P.E. # 48258 DATE: 4/7/25
HORIZ. AS NOTED VERT. AS NOTED				

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

KITSAP LAKE STORMWATER TREATMENT RETROFIT
TREATMENT VAULT & CDS DETAILS

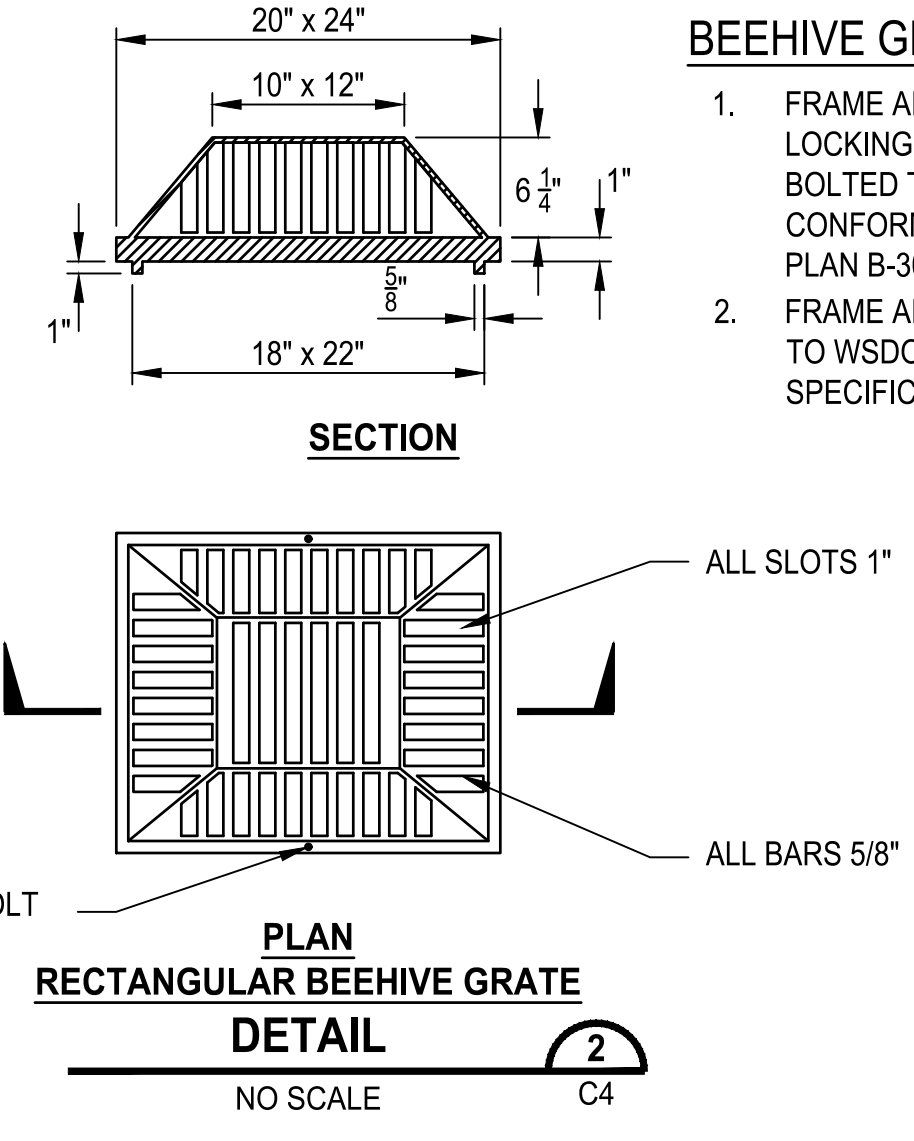
DATE: 4/7/25
SHEET: 21 OF 29
PN: 233-1896-193

PATH: U:\PROJECTS\CLIENTS\1896-CITY OF BREMERTON\1023-1896-183-KITSAP LAKESWATER TREATMENT DESIGN\DWG\1896-183-01.DWG PLOTTED BY: FEENEEM DATE: 4/20/25 10:51 AM



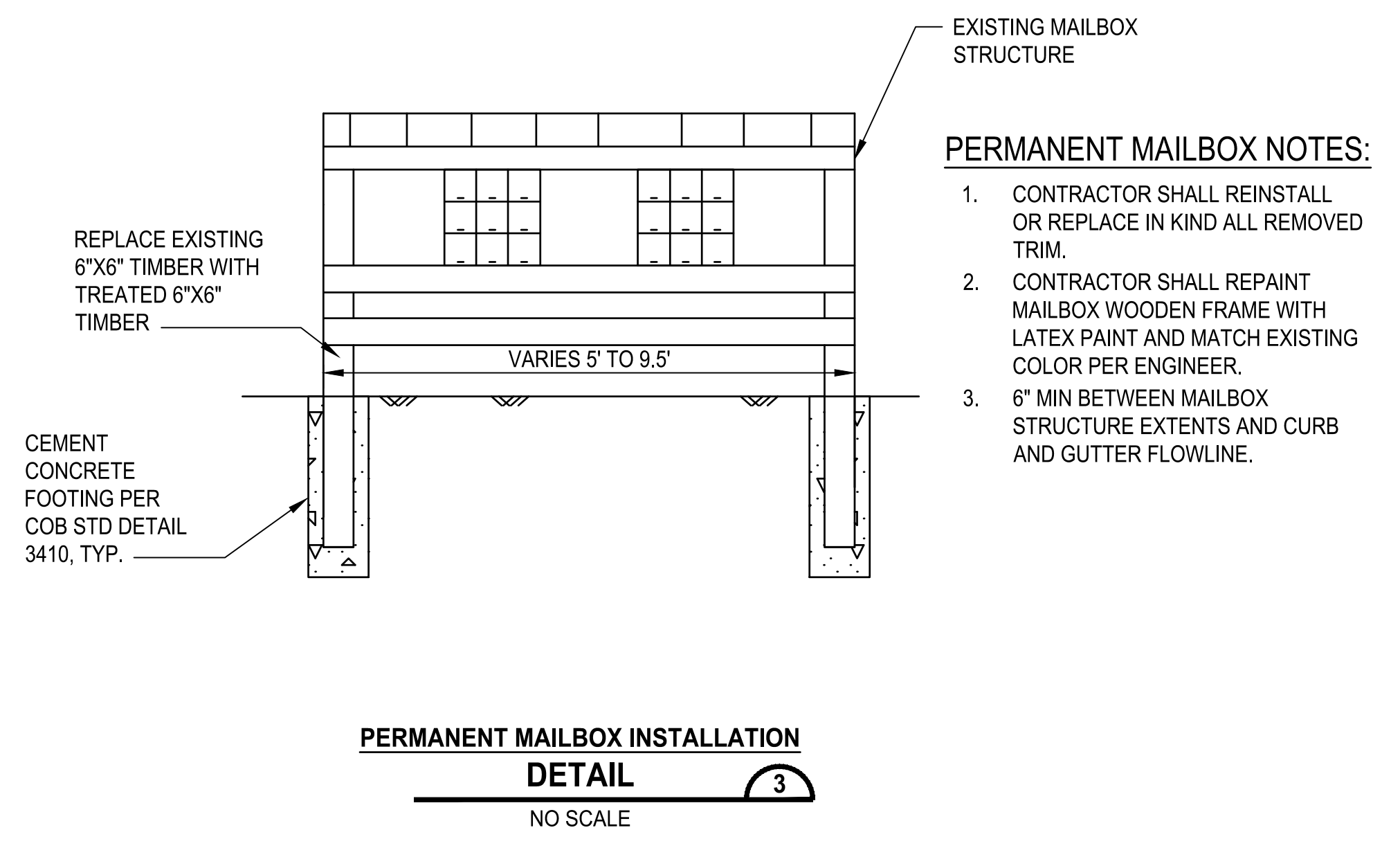
NOTE:

1. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR TEMPORARY MAILBOX INSTALLATION LOCATIONS.
2. TEMPORARY BRACE AND FRAME SYSTEM INCLUDING ALL CONNECTIONS SHALL BE DESIGNED BY THE CONTRACTOR



BEEHIVE GRATE NOTES:

1. FRAME AND GRATE SHALL BE LOCKING AND GRATE SHALL BE BOLTED TO FRAME. FRAME SHALL CONFORM TO WSDOT STANDARD PLAN B-30.10-03.
2. FRAME AND GRATE TO CONFORM TO WSDOT STANDARD SPECIFICATIONS 9-05.15(2).



PERMANENT MAILBOX NOTES:

1. CONTRACTOR SHALL REINSTALL OR REPLACE IN KIND ALL REMOVED TRIM.
2. CONTRACTOR SHALL REPAINT MAILBOX WOODEN FRAME WITH LATEX PAINT AND MATCH EXISTING COLOR PER ENGINEER.
3. 6" MIN BETWEEN MAILBOX STRUCTURE EXTENTS AND CURB AND GUTTER FLOWLINE.

TEMPORARY MAILBOX INSTALLATION DETAIL 1
NO SCALE

BEEHIVE GRATE DETAIL 2
NO SCALE

PERMANENT MAILBOX INSTALLATION DETAIL 3
NO SCALE

SHORING NOTES:

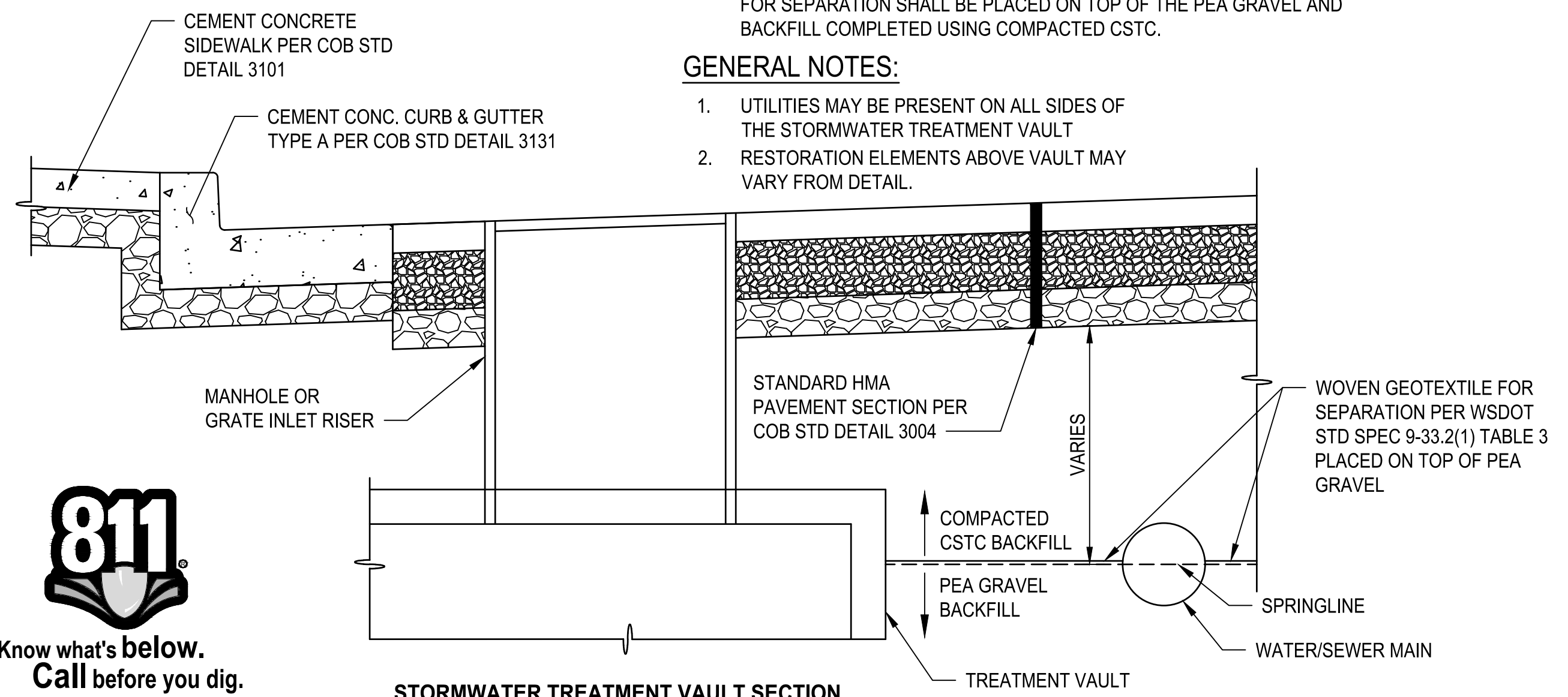
1. CONTRACTOR SHALL BE AWARE THAT CLEARANCE BETWEEN EXISTING UNDERGROUND UTILITIES AND STRUCTURES TO BE INSTALLED IS LIMITED. SHORING SYSTEMS SHALL BE DESIGNED TO FUNCTION WITHIN LIMITED CLEARANCE SHOWN.
2. ALL VAULTS SHALL BE BACKFILLED WITH PEA GRAVEL COMPACTED USING STINGER CONCRETE VIBRATOR. BACKFILL SHALL EXTEND TO SPRINGLINE OF ADJACENT WATER MAIN OR SANITARY SEWER (IF PRESENT). GEOTEXTILE FOR SEPARATION SHALL BE PLACED ON TOP OF THE PEA GRAVEL AND BACKFILL COMPLETED USING COMPACTED CSTC.

GENERAL NOTES:

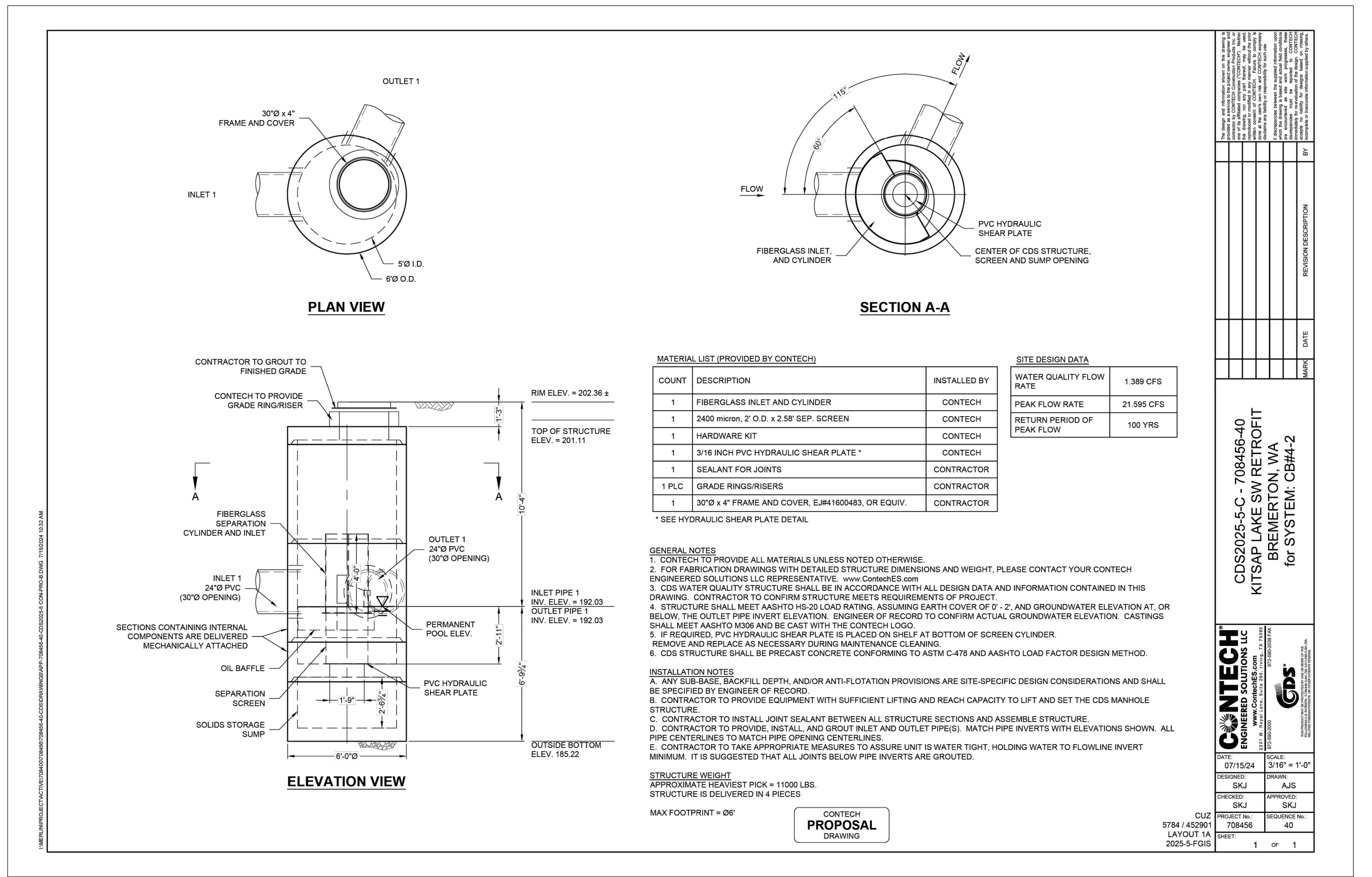
1. UTILITIES MAY BE PRESENT ON ALL SIDES OF THE STORMWATER TREATMENT VAULT
2. RESTORATION ELEMENTS ABOVE VAULT MAY VARY FROM DETAIL.

GENERAL NOTES:

1. ALL SQUARE OR RECTANGULAR HATCH FRAMES AND COVERS SHALL BE DUCTILE IRON EJ PRODUCT NOS 00821721B01 OR 00821721B02 WITH LIFT ASSIST AND BOLT DOWN COVERS. ALL ROUND FRAMES AND COVERS SHALL HAVE BOLT DOWN COVERS.
2. ALL ROUND FRAMES AND COVERS SHALL HAVE BOLT DOWN COVERS.



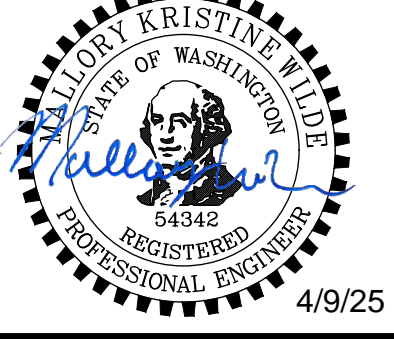
STORMWATER TREATMENT VAULT SECTION DETAIL 4
NO SCALE



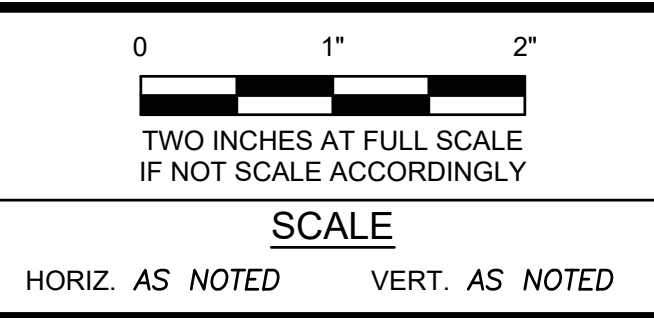
CDS #4-1 DETAIL 5
NO SCALE



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NO	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK
DRAWN BY: C. ODEGARD
DATE: 4/7/25

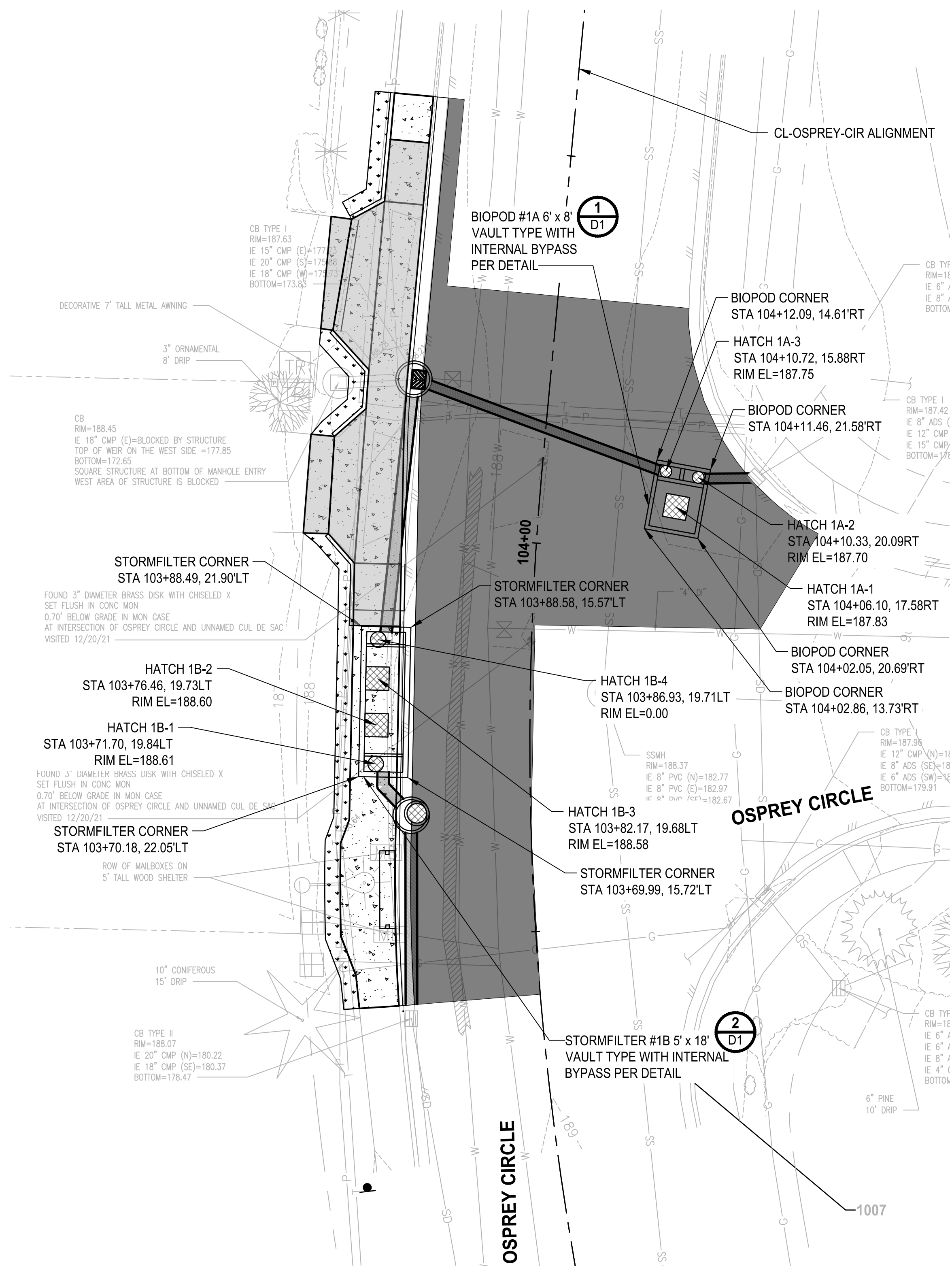
CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION
DESIGN BY: M. WILDE
WASH. P.E. #54342 DATE: 4/7/25
CHECKED BY: J. WRIGHT
WASH. P.E. # 48258 DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT
DETAILS
DATE: 4/7/25
SHEET 22 OF 29
PN: 233-1896-193
BID SET D3

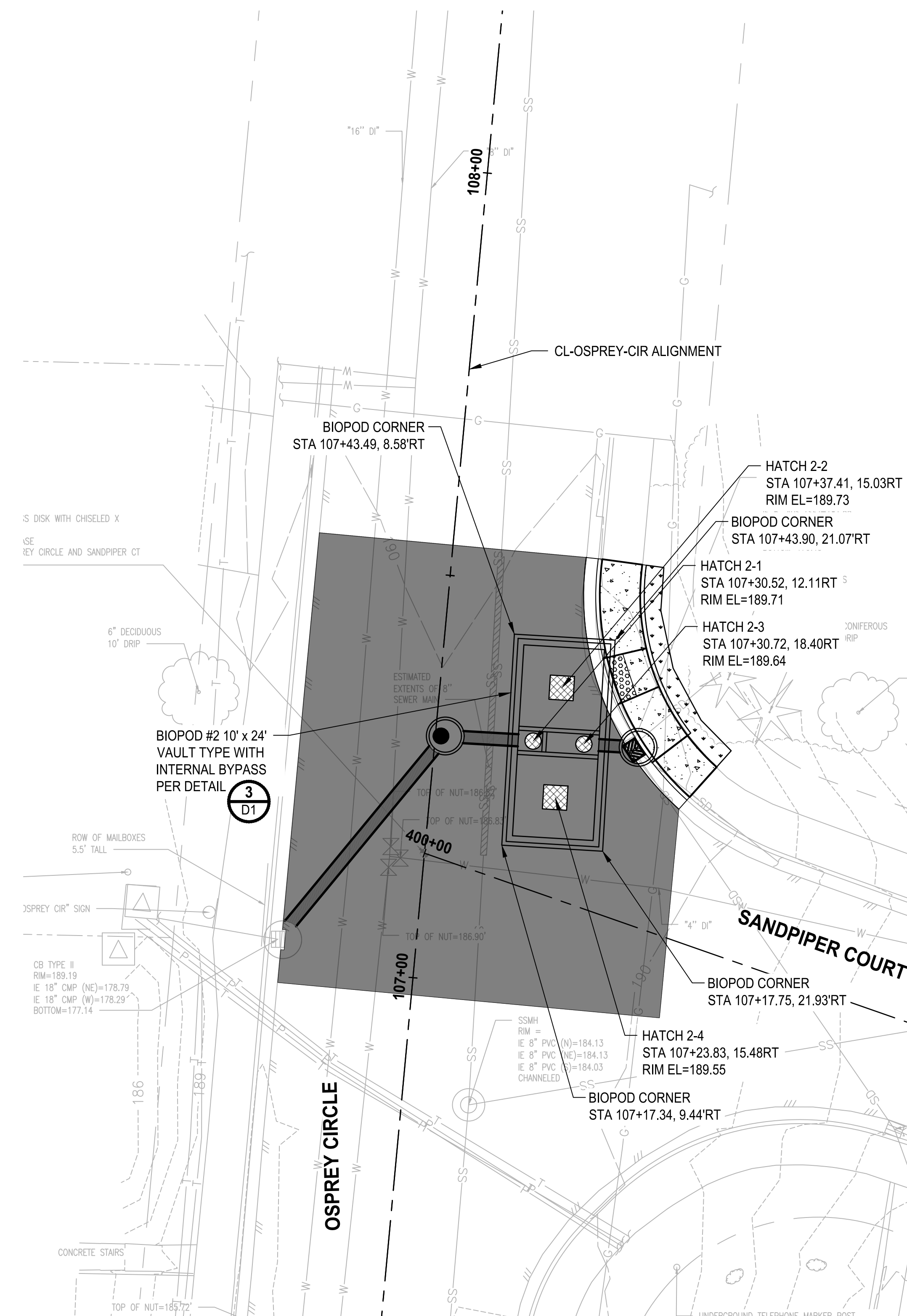
CITY OF BREMERTON PROJECT NUMBER: 879

GENERAL NOTES:

1. STATIONS AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
2. FOR STORMWATER PROFILES, SEE SHEETS C1 - C4.
3. 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.
4. RECTANGULAR FRAMES SHALL BE PER WSDOT STD PLAN B-30.10-03.
5. CONTRACTOR TO INSTALL "DRAINS TO STREAM" PLACARDS PER MANUFACTURER'S SPECIFICATIONS ON ALL NEW STORMWATER INLETS. CONTRACTOR TO PROVIDE PLACARDS.
6. SEE SHEETS D1 AND D2 FOR BIOPOD DETAILS.
7. SEE GRADING SHEETS GR1-GR7 FOR SIDEWALK, DRIVEWAY APPROACH, RAMP, CSBC, AND ASPHALT GRADING.



**BIOPOD 1A & STORMFILTER 1B
HATCH LOCATIONS**
SCALE IN FEET
0 10 20



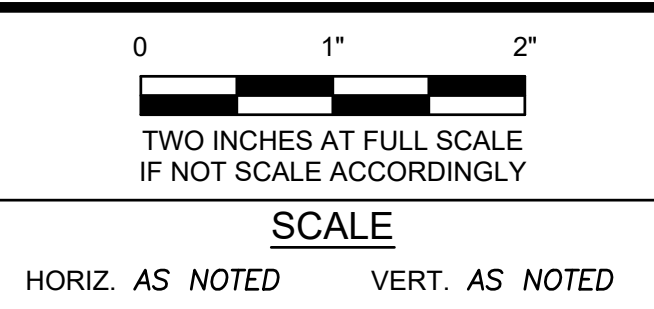
BIOPOD 2 HATCH LOCATIONS
SCALE IN FEET
0 10 20



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NO	REVISIONS	DATE	BY



FIELD BOOK



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

DRAWN BY: C. ODEGARD
DATE: 4/7/25

DESIGN BY: M. WILDE
WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: J. WRIGHT
WASH. P.E. # 48258 DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT
BASINS 1 AND 2
BIOPOD AND STORMFILTER HATCH DETAILS

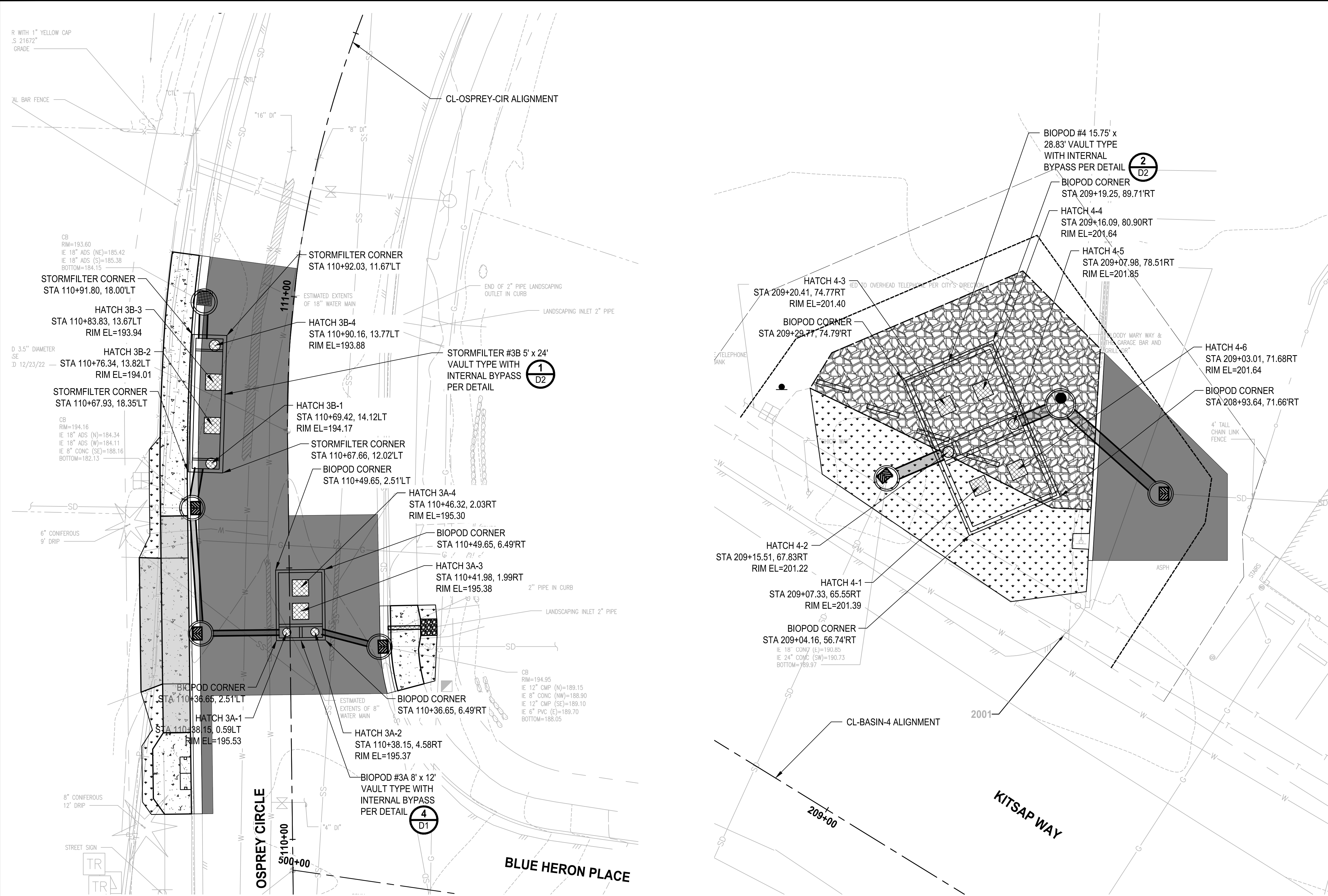
**BID SET
D5**
DATE: 4/7/25
SHEET: 24 OF 29
PN: 233-1896-193

PATH: U:\PROJECTS\CLIENTS\1896-CITY OF BREMERTON\233-1896-193\WSP\WSP\REFINAL\DESIGN\985\CS\ADD\DWG\985\985.DWG PLOTTED BY: FEENEEM DATE: 4/20/25 10:53 AM

CITY OF BREMERTON PROJECT NUMBER: 879

GENERAL NOTES:

1. STATIONS AND OFFSETS ARE REFERENCED TO THE CONSTRUCTION CENTERLINES DEFINED ON SHEETS G3 AND G4.
2. FOR STORMWATER PROFILES, SEE SHEETS C1 - C4.
3. 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.
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6. SEE SHEETS D1 AND D2 FOR BIOPOD DETAILS.
7. SEE GRADING SHEETS GR1-GR7 FOR SIDEWALK, DRIVEWAY APPROACH, RAMP, CSBC, AND ASPHALT GRADING.



**BIOPOD 3A & STORMFILTER 3B
HATCH LOCATIONS**
SCALE IN FEET
0 10 20

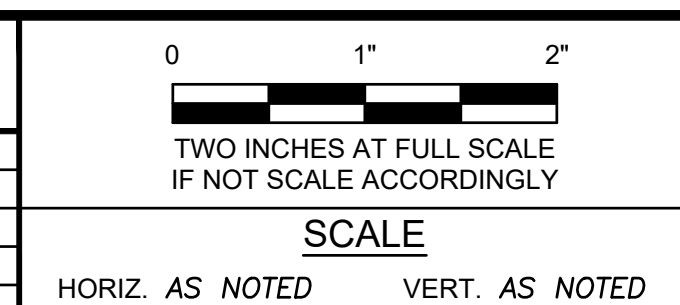
BIOPOD 4 HATCH LOCATIONS
SCALE IN FEET
0 10 20



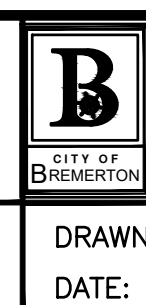
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FIELD BOOK



CITY OF BREMERNTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DRAWN BY: C. ODEGARD
DATE: 4/7/25

DESIGN BY: M. WILDE
WASH. P.E. #54342 DATE: 4/7/25

CHECKED BY: J. WRIGHT
WASH. P.E. # 48258 DATE: 4/7/25

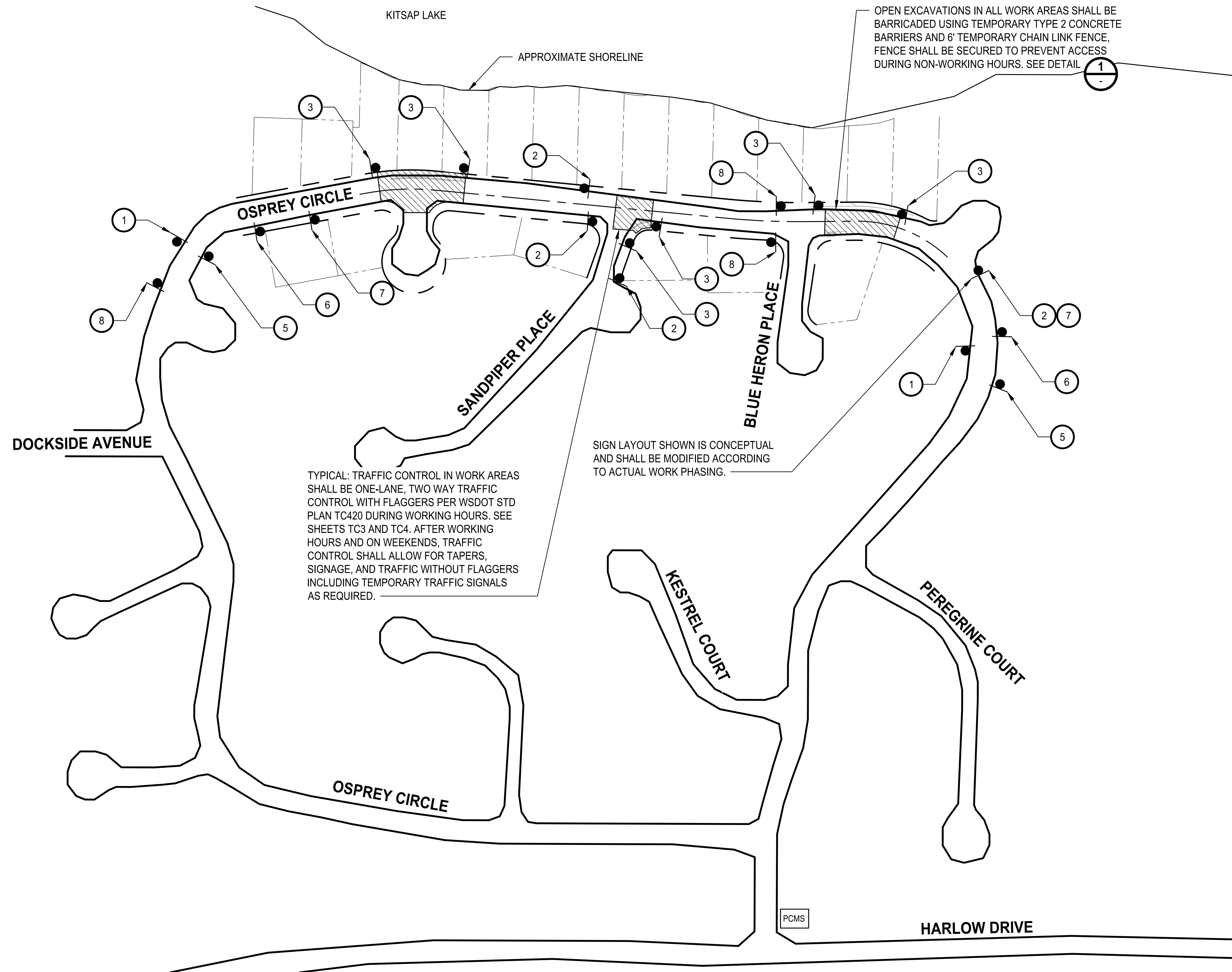
KITSAP LAKE STORMWATER TREATMENT RETROFIT
BASINS 3 & 4
BIOPOD AND STORMFILTER HATCH DETAILS

**BID SET
D6**

DATE: 4/7/25
SHEET: 25
OF: 29
PN: 233-1896-193

PATH: U:\PSD\PROJECTS\CLIENTS\1896-CITY OF BREMERNTON\233-1896-193 KITSAP LAK STORMWATER TREATMENT RETROFIT\DESIGN\BASINS 3 & 4\DWG PLOTTED BY FEENEEM DATE: 4/20/25 10:53 AM

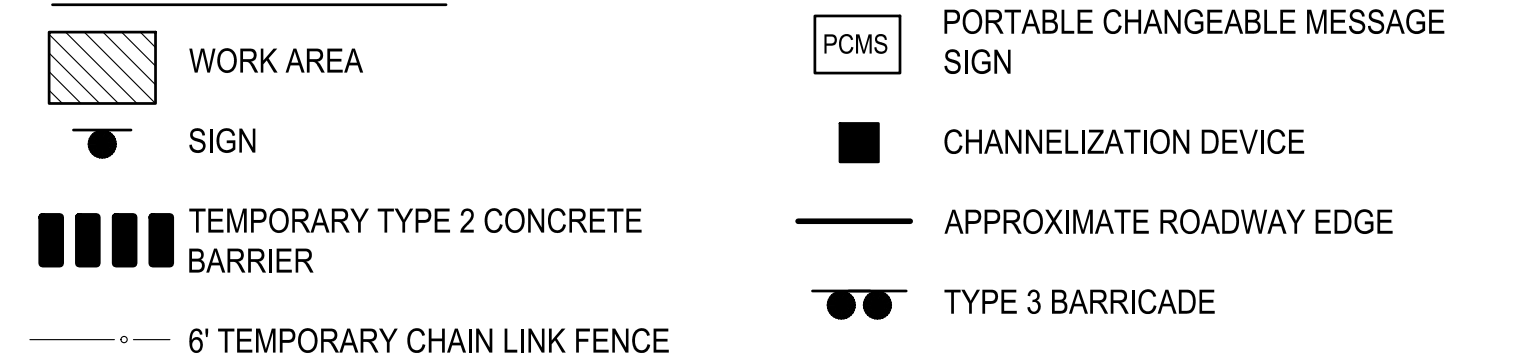
CITY OF BREMERNTON PROJECT NUMBER: 879



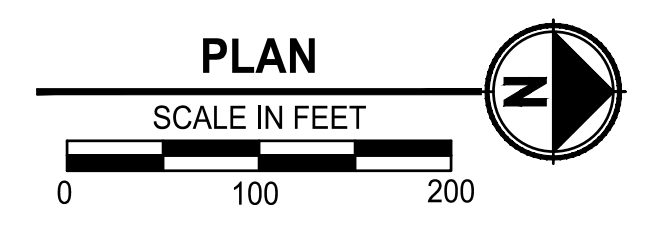
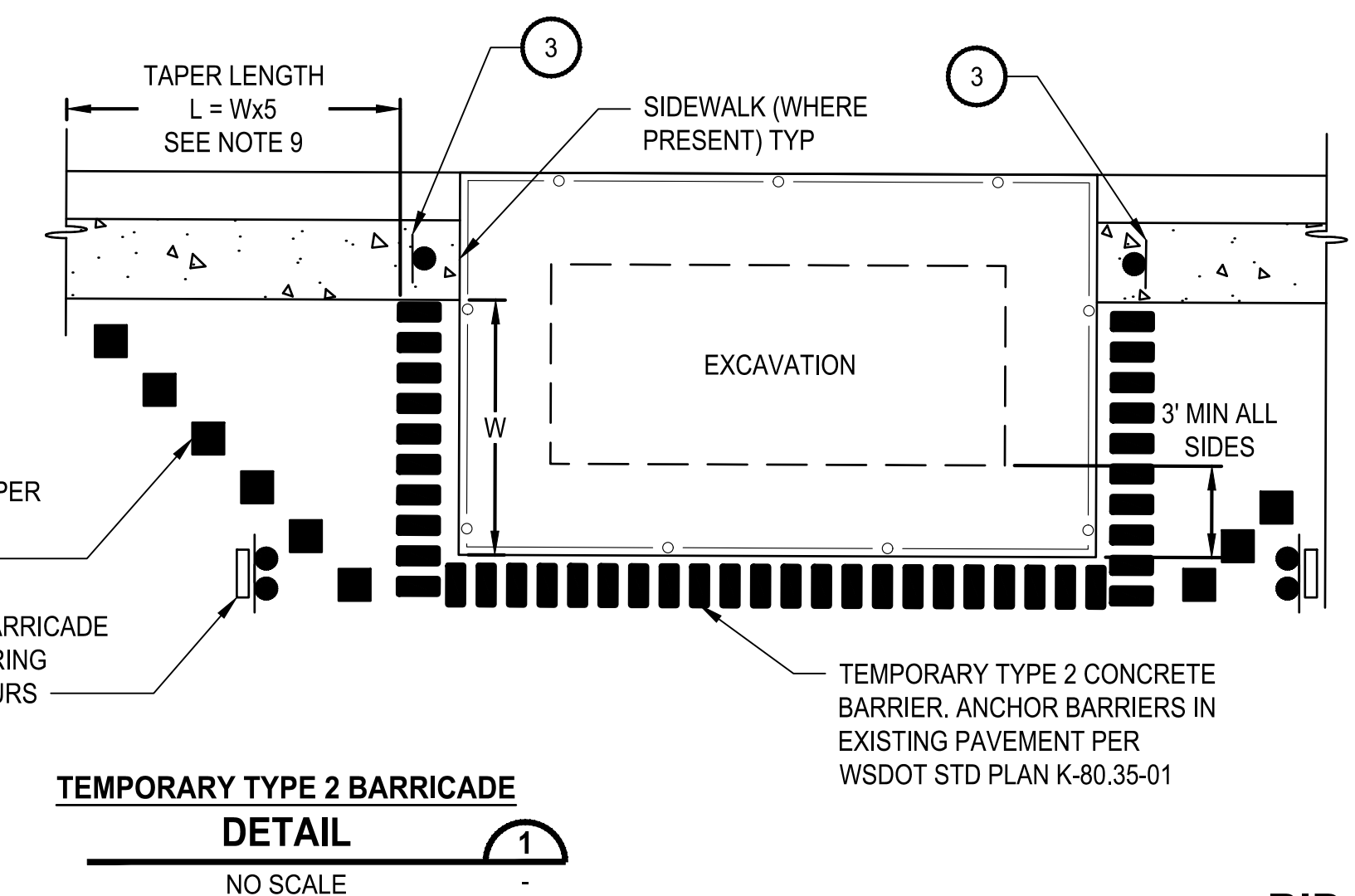
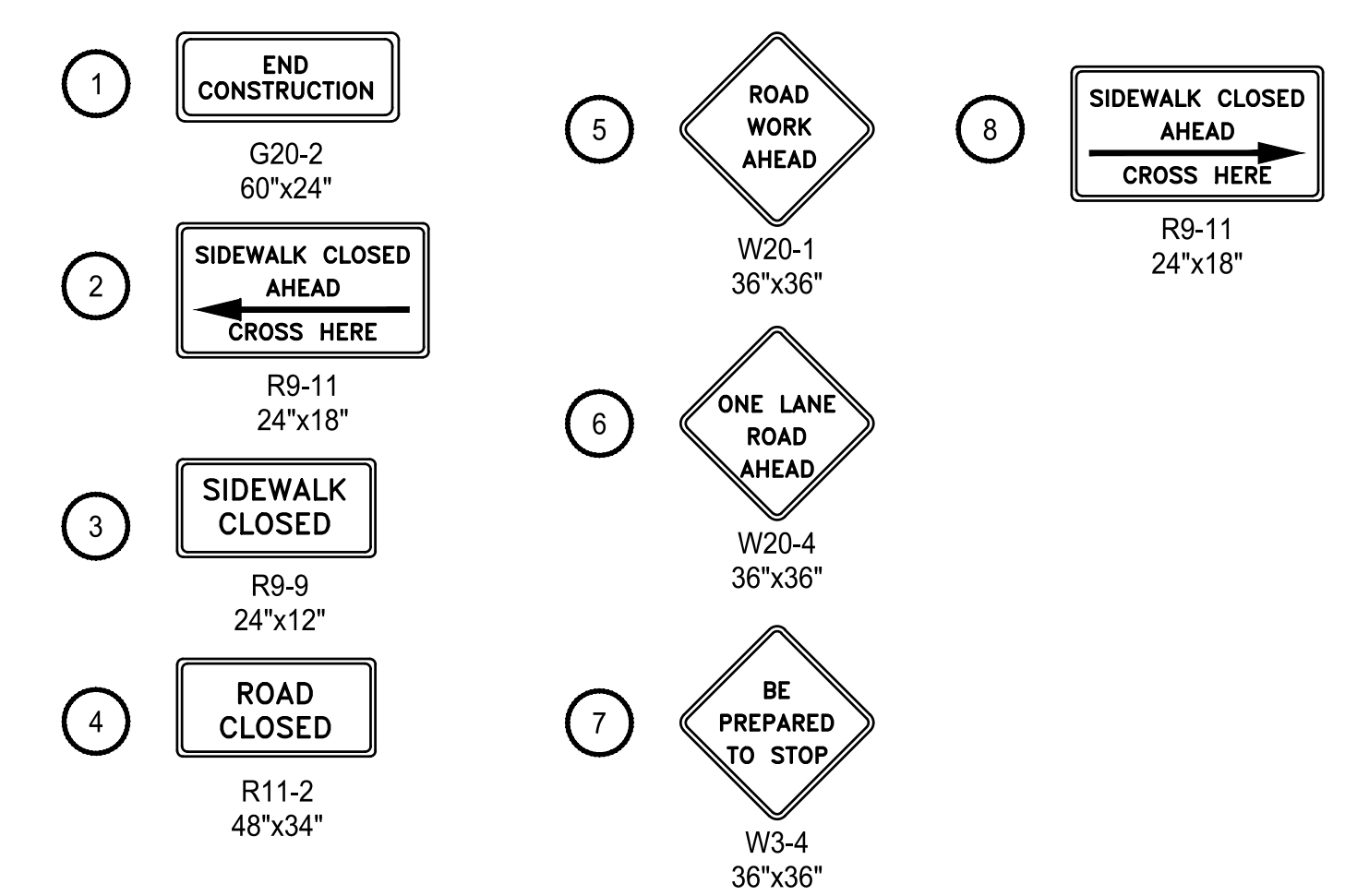
NOTES:

- CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR APPROVAL MEETING THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION), WSDOT STD SPECIFICATIONS, AND THE MINIMUM REQUIREMENTS SHOWN HERE. SEE SPECIAL PROVISIONS.
- SIDEWALK CLOSURES AT EACH WORK AREA SHALL ONLY OCCUR ON ONE SIDE OF THE ROADWAY AT ANY TIME.
- CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS AND BUILDINGS AT ALL TIMES WITH THE EXCEPTION OF 72-HOUR DRIVEWAY CLOSURES. CONTRACTOR SHALL PROVIDE NOTICE OF DRIVEWAY CLOSURES TO RESIDENTS AND TO ENGINEER AT LEAST 3-DAYS PRIOR TO CLOSURE. ONE ADA ACCESSIBLE PEDESTRIAN PATH AROUND OR THROUGH THE WORK AREAS SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY PEDESTRIAN PATHS SHALL BE PROVIDED AS NECESSARY. TEMPORARY PEDESTRIAN PATHS SHALL BE COMPACTED CSTC, MIN 5' WIDE, AND HAVE A MAX CROSS SLOPE OF 1.5%.
- PCMS USAGE WILL BEGIN TWO WEEKS PRIOR TO LANE CLOSURES AND REMAIN IN OPERATION UNTIL PHYSICAL COMPLETION. MESSAGES NEED TO BE COORDINATED WITH AND APPROVED BY THE ENGINEER
- OPEN TRENCHES SHALL BE COVERED WITH STEEL PLATES AT THE END OF EACH WORK SHIFT.
- CONTRACTOR SHALL INSTALL TEMPORARY PEDESTRIAN RAMPS FOR TEMPORARY PEDESTRIAN CROSSINGS WHERE CURB RAMPS DO NOT EXIST.
- CONTRACTOR SHALL COORDINATE WITH HOME OWNERS TO MAINTAIN PEDESTRIAN ACCESS TO ALL BUILDINGS THROUGHOUT CONSTRUCTION.
- TAPER LENGTH MAY BE REDUCED, WITH ENGINEERS APPROVAL, TO FIT ROAD CONDITIONS.

SYMBOL LEGEND:



SIGN KEY:



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NO	REVISIONS DESCRIPTION	DATE	BY

FIELD BOOK	SCALE TWO INCHES AT FULL SCALE IF NOT SCALE ACCORDINGLY SCALE HORIZ. AS NOTED VERT. AS NOTED
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CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DRAWN BY: C. ODEGARD DATE: 4/7/25
DESIGN BY: M. WILDE WASH. P.E. #54342 DATE: 4/7/25
CHECKED BY: J. WRIGHT WASH. P.E. # 48258 DATE: 4/7/25

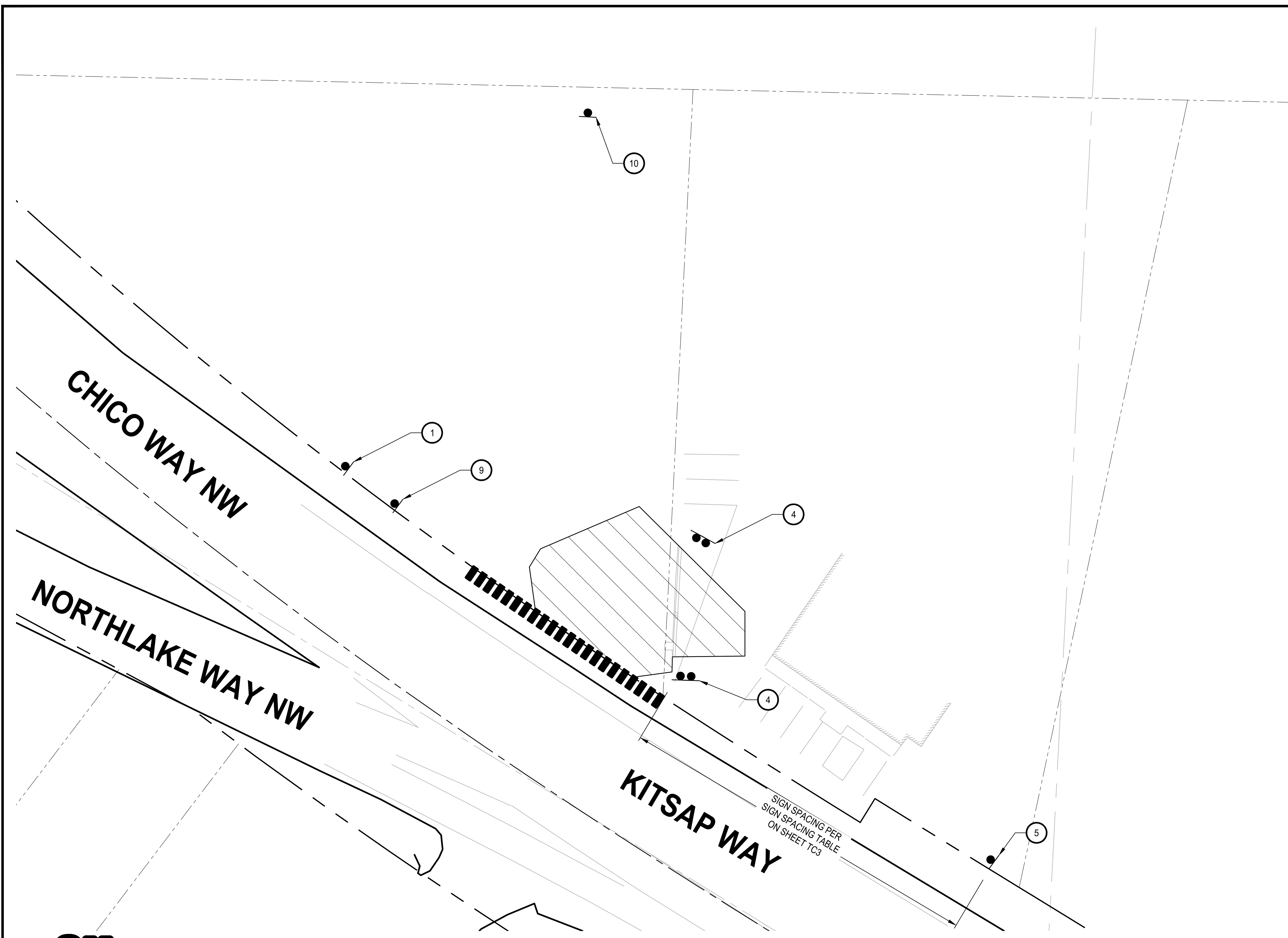
KITSAP LAKE STORMWATER TREATMENT RETROFIT
BASINS 1, 2, & 3
TEMPORARY TRAFFIC CONTROL

BID SET TC-1	DATE 4/7/25
PN: 233-1896-193	SHEET 26 OF 29

PATH: U:\PSOPROJECTS\CLIENTS\1896-CITY OF BREMERTON\03-1896-193-KITSAP-LAKE-STORMWATER-TREATMENT-RETROFIT\DESIGN\995\CS\CADD\DWG\PS-1896-193-TS-DWG-PLOTTED BY ODEGARD DATE: 12/30/2024 3:29 PM

CITY OF BREMERTON PROJECT NUMBER: 879

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NOTES:

1. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR APPROVAL MEETING THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION), WSDOT STD SPECIFICATIONS, AND THE MINIMUM REQUIREMENTS SHOWN HERE. SEE SPECIAL PROVISIONS.
2. SIDEWALK CLOSURES AT EACH WORK AREA SHALL ONLY OCCUR ON ONE SIDE OF THE ROADWAY AT ANY TIME.
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4. ONE ADA ACCESSIBLE PEDESTRIAN PATH AROUND OR THROUGH THE WORK AREAS SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY PEDESTRIAN PATHS SHALL BE PROVIDED AS NECESSARY. TEMPORARY PEDESTRIAN PATHS SHALL BE COMPACTED CSTC, MIN 5' WIDE, AND HAVE A MAX CROSS SLOPE OF 1.5%.
5. PCMS USAGE WILL BEGIN TWO WEEKS PRIOR TO LANE CLOSURES AND REMAIN IN OPERATION UNTIL PHYSICAL COMPLETION. MESSAGES NEED TO BE COORDINATED WITH AND APPROVED BY THE ENGINEER
6. OPEN TRENCHES SHALL BE COVERED WITH STEEL PLATES AT THE END OF EACH WORK SHIFT.

SYMBOL LEGEND:

- WORK AREA
- SIGN
- TEMPORARY TYPE 2 CONCRETE BARRIER
- 6" TEMPORARY CHAIN LINK FENCE
- PORTABLE CHANGEABLE MESSAGE SIGN
- CHANNELIZATION DEVICE
- APPROXIMATE ROADWAY EDGE
- TYPE 3 BARRICADE

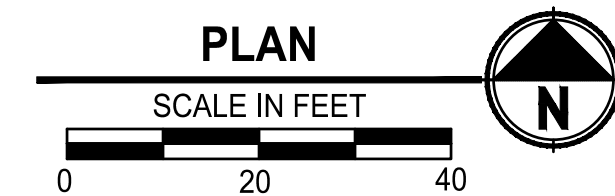
SIGN KEY:

- | | | | | | |
|---|---|---|---|----|--|
| 1 | END CONSTRUCTION
G20-2
60"x24" | 5 | ROAD WORK AHEAD
W20-1
36"x36" | 8 | SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24"x18" |
| 2 | SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24"x18" | 6 | ONE LANE ROAD AHEAD
W20-4
36"x36" | 9 | TEMPORARY GARAGE BAR AND GRILL OVERFLOW PARKING
CUSTOM
24"x18" |
| 3 | SIDEWALK CLOSED
R9-9
24"x12" | 7 | BE PREPARED TO STOP
W3-4
36"x36" | 10 | TEMPORARY GARAGE BAR AND GRILL OVERFLOW PARKING
CUSTOM
24"x18" |
| 4 | ROAD CLOSED
R11-2
48"x34" | | | | |

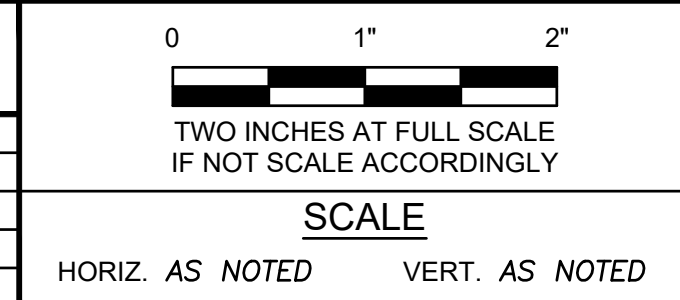
SIGN SPACING PER SIGN SPACING TABLE ON SHEET TC3



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NO	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK	
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CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

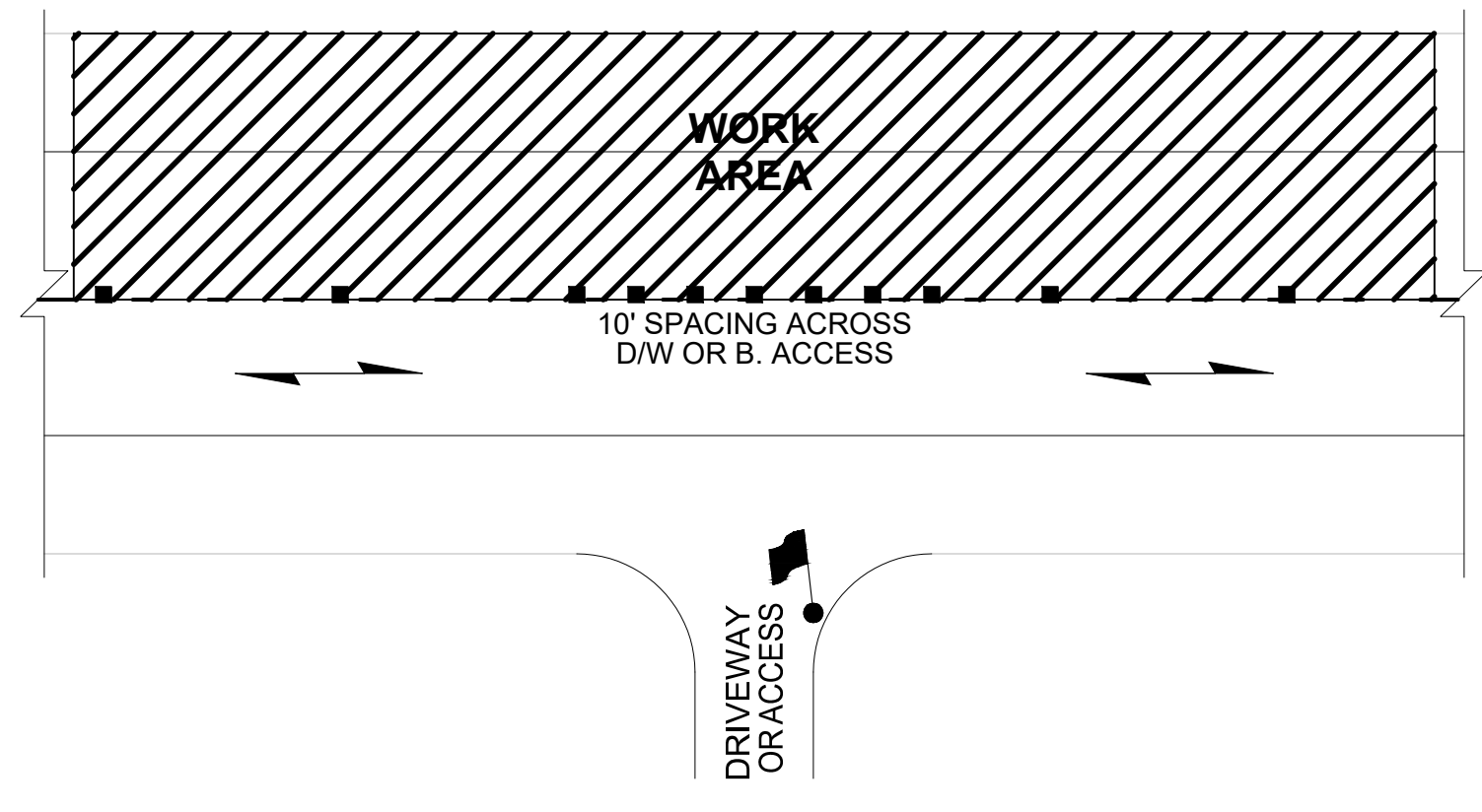
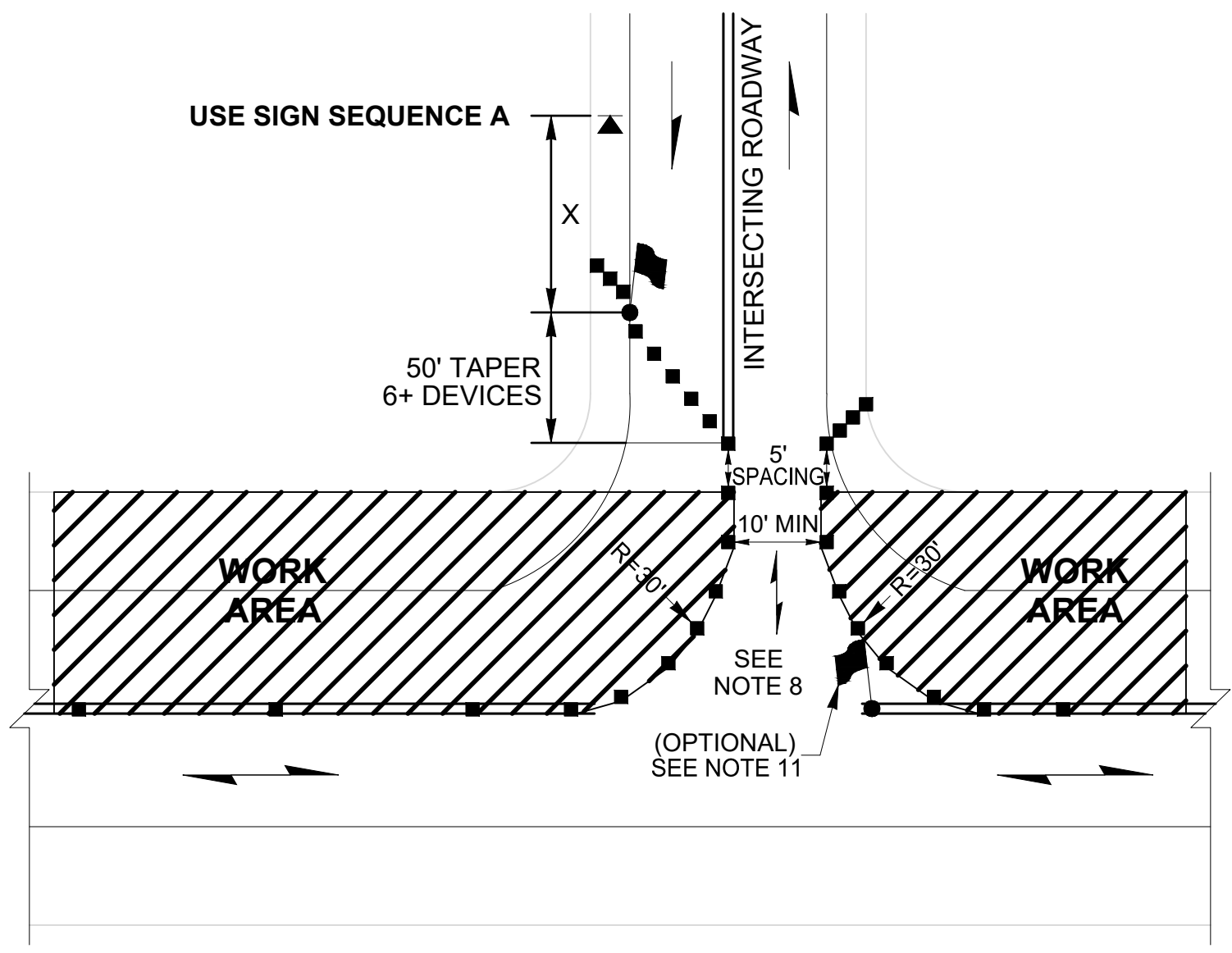
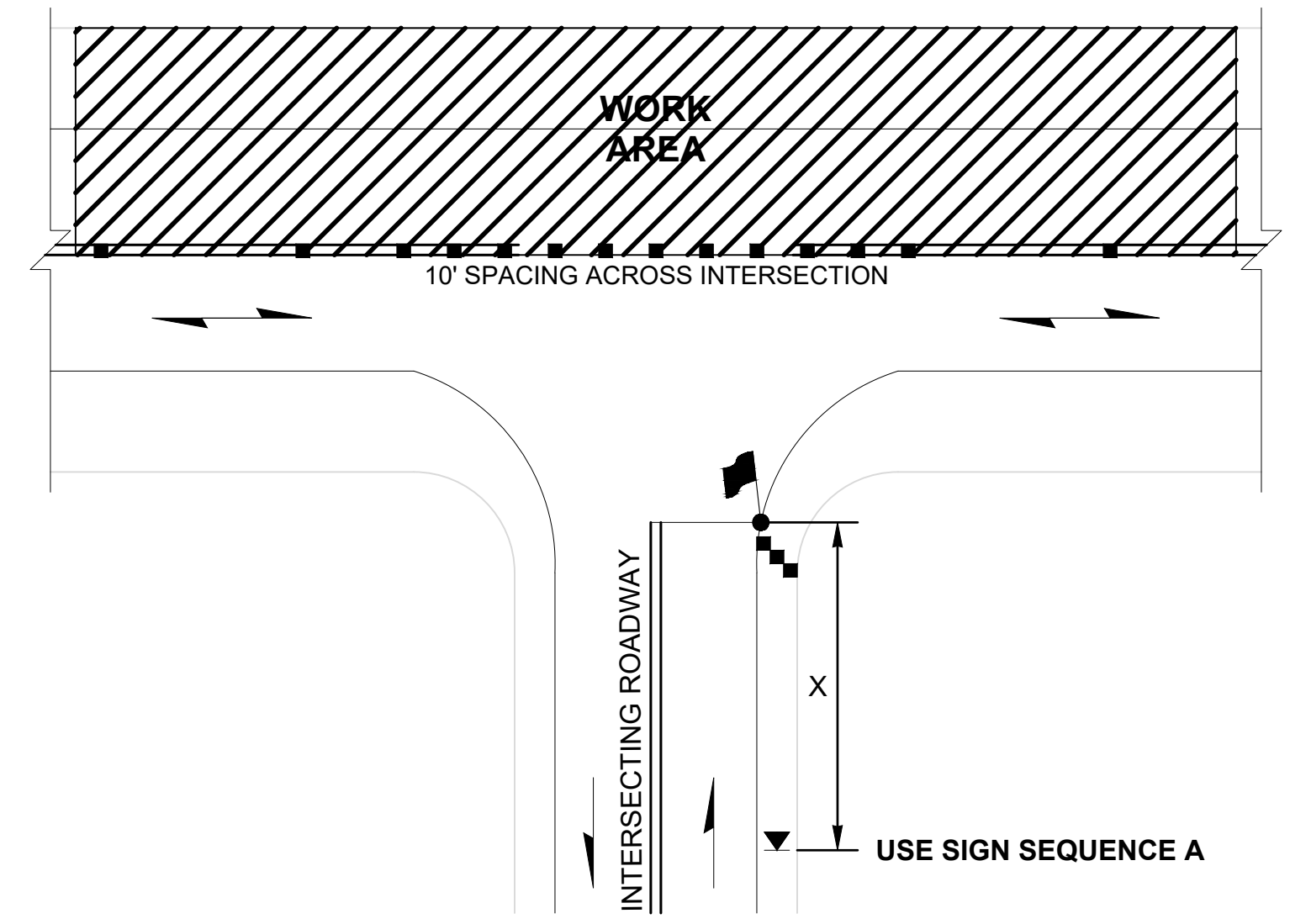
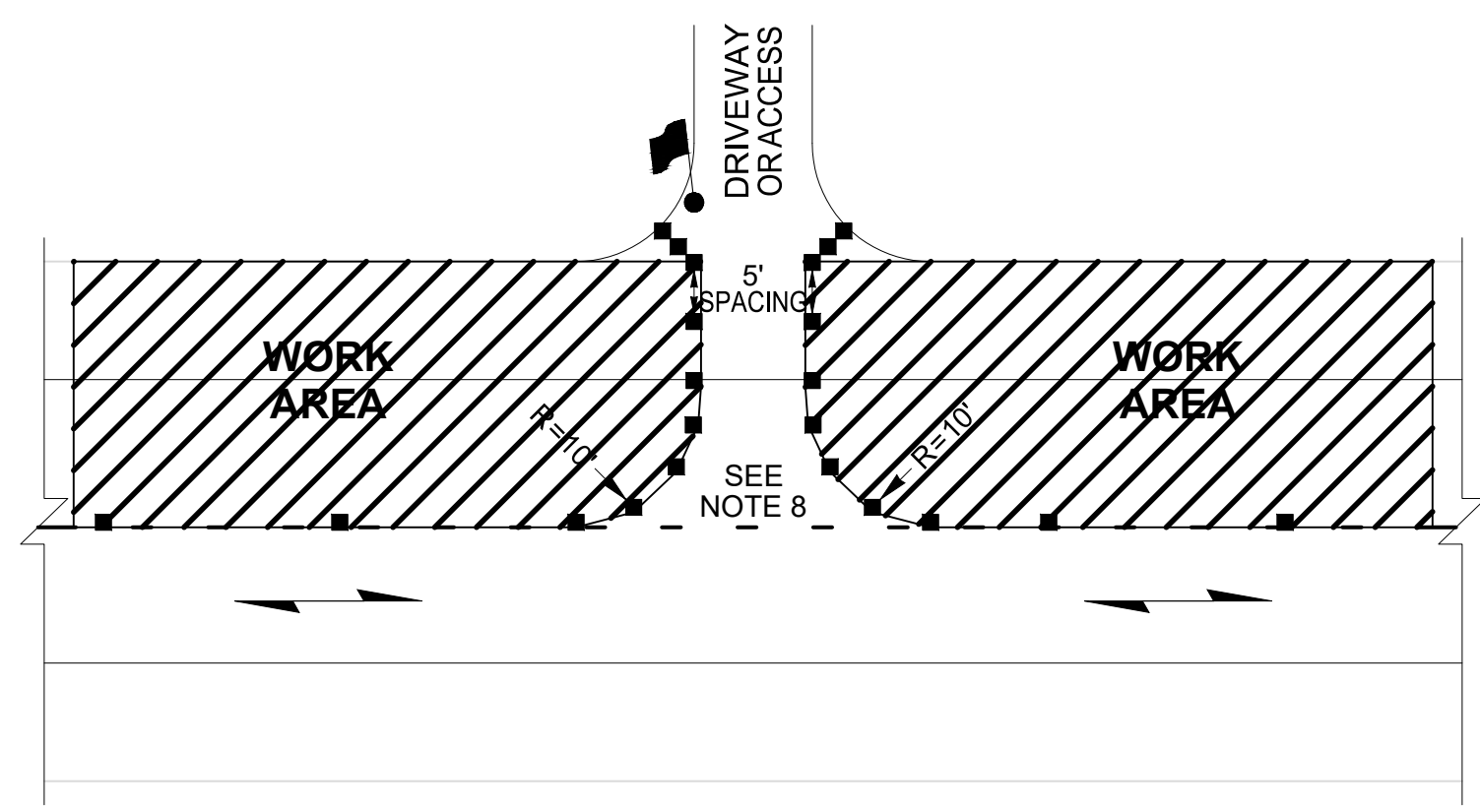
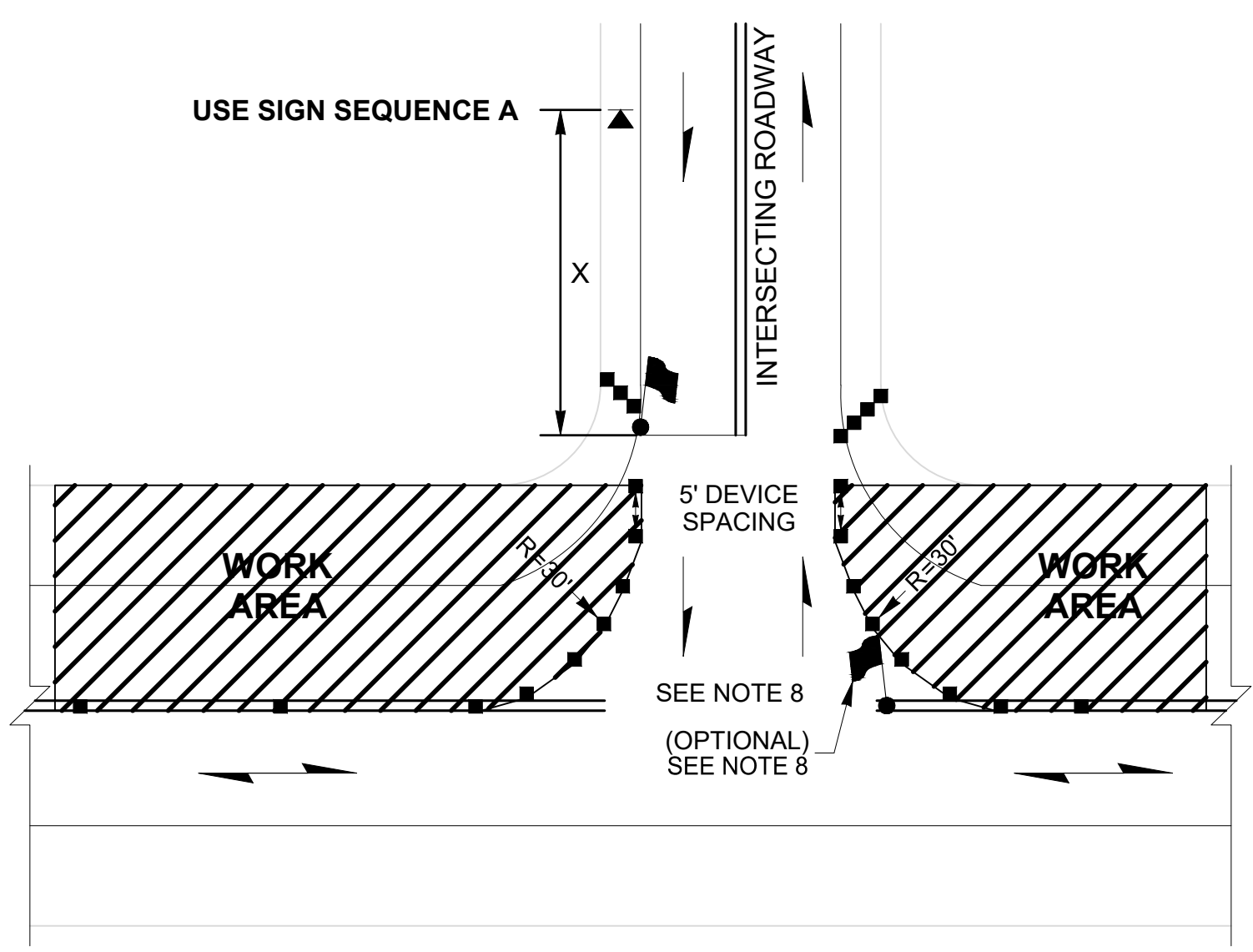
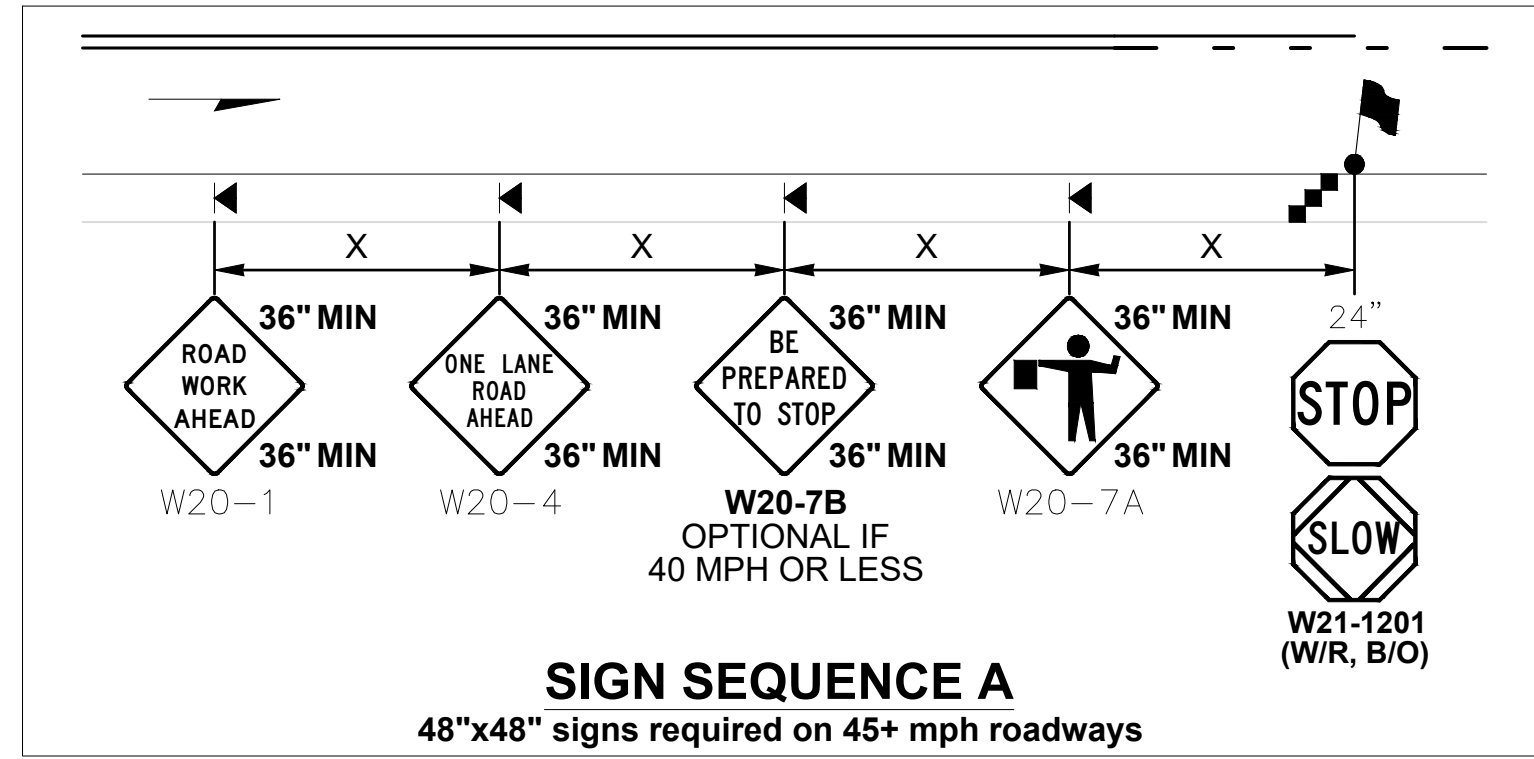
DRAWN BY: C. ODEGARD DATE: 4/7/25
DESIGN BY: M. WILDE WASH. P.E. #54342 DATE: 4/7/25
CHECKED BY: J. WRIGHT WASH. P.E. # 48258 DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT
BASIN 4
TEMPORARY TRAFFIC CONTROL

PN: 233-1896-193	DATE: 4/7/25
	SHEET 27 OF 29

BID SET TC2

CITY OF BREMERTON PROJECT NUMBER: 879



ALTERNATING 1-LANE, 2-WAY TRAFFIC: FLAGGER-CONTROLLED (HIGHWAYS, 40 MPH OR LESS)
NOT TO SCALE

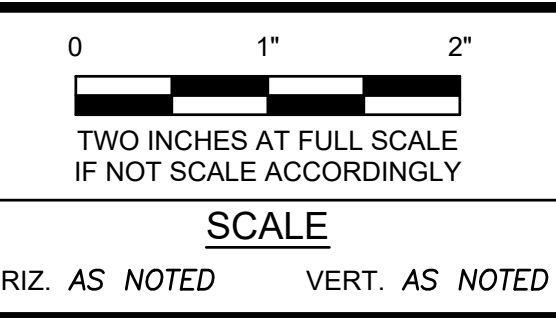
SEE SHEETS TC1-TC3 FOR NOTES AND LEGENDS.



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NO.	REVISIONS DESCRIPTION	DATE	BY



CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

FIELD BOOK

DRAWN BY: C. ODEGARD
DATE: 4/7/25

DESIGN BY: M. WILDE
WASH. P.E. #54342
DATE: 4/7/25

CHECKED BY: J. WRIGHT
WASH. P.E. # 48258
DATE: 4/7/25

KITSAP LAKE STORMWATER TREATMENT RETROFIT

TEMPORARY TRAFFIC CONTROL DETAILS

PN: 233-1896-193

**BID SET
TC4**

DATE	4/7/25
SHEET	29
OF	29

PATH: U:\PS\PROJECTS\CLIENTS\1896-CITY OF BREMERTON\233-1896-193\WSP\WSP\REFINAL\DESIGN\995\CS\CADD\DWG\PS\1896-193-TCD.WG PLOTTED BY: ODESACOO DATE: 12/30/2024 3:28 PM

CITY OF BREMERTON PROJECT NUMBER: 879