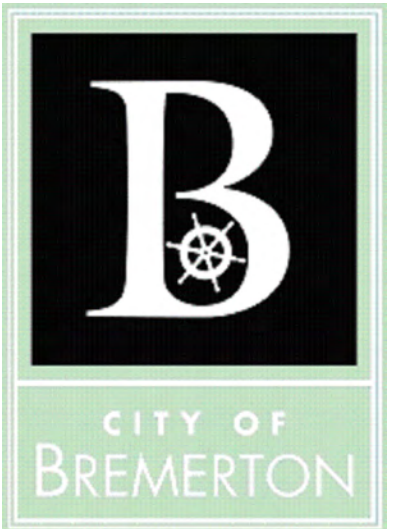


CITY OF BREMERTON

DEPARTMENT OF PUBLIC WORKS AND UTILITIES



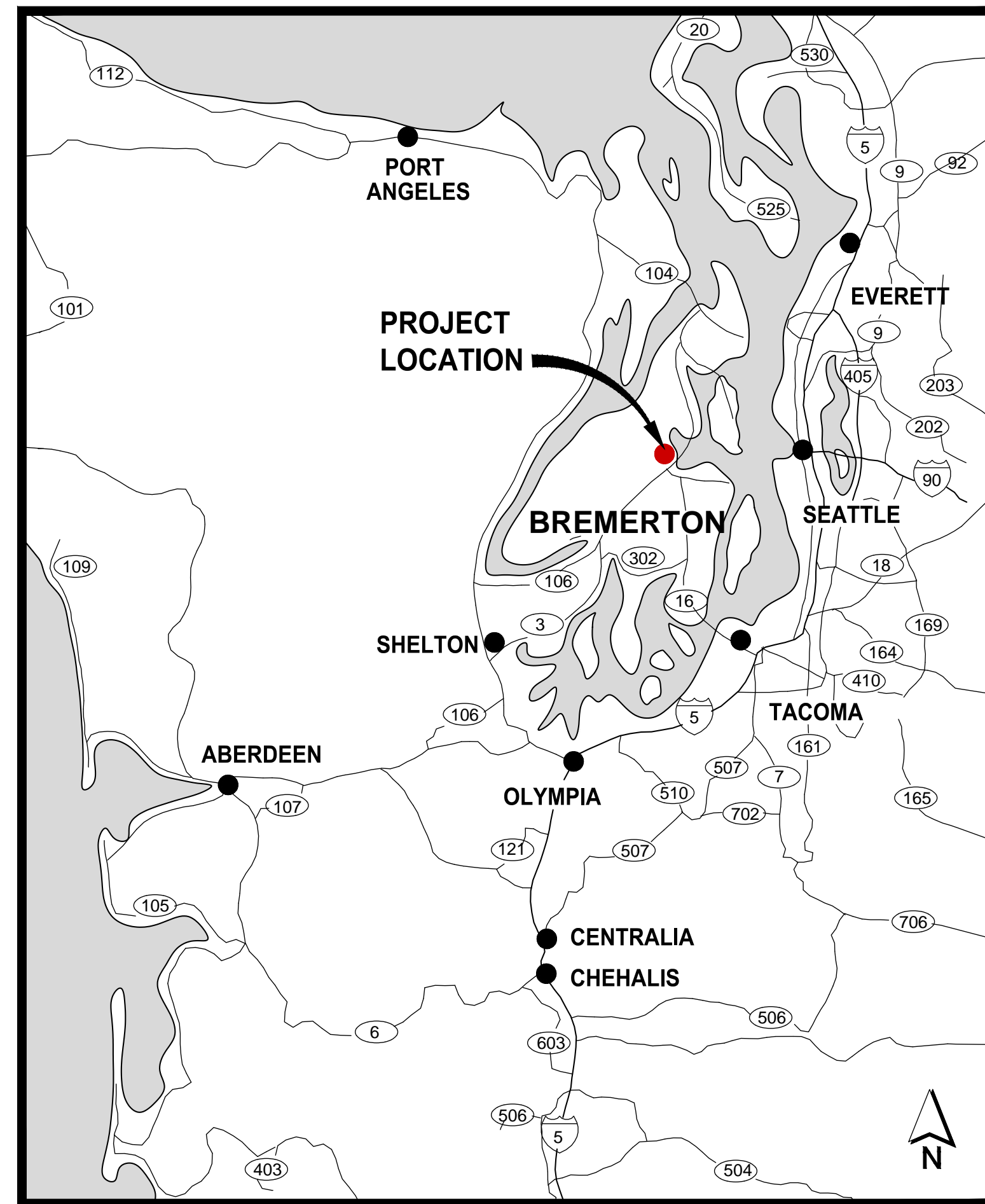
City of Bremerton
Engineering Division

OSTRICH BAY CREEK STORMWATER TREATMENT

CITY OF BREMERTON PROJECT NO. 876

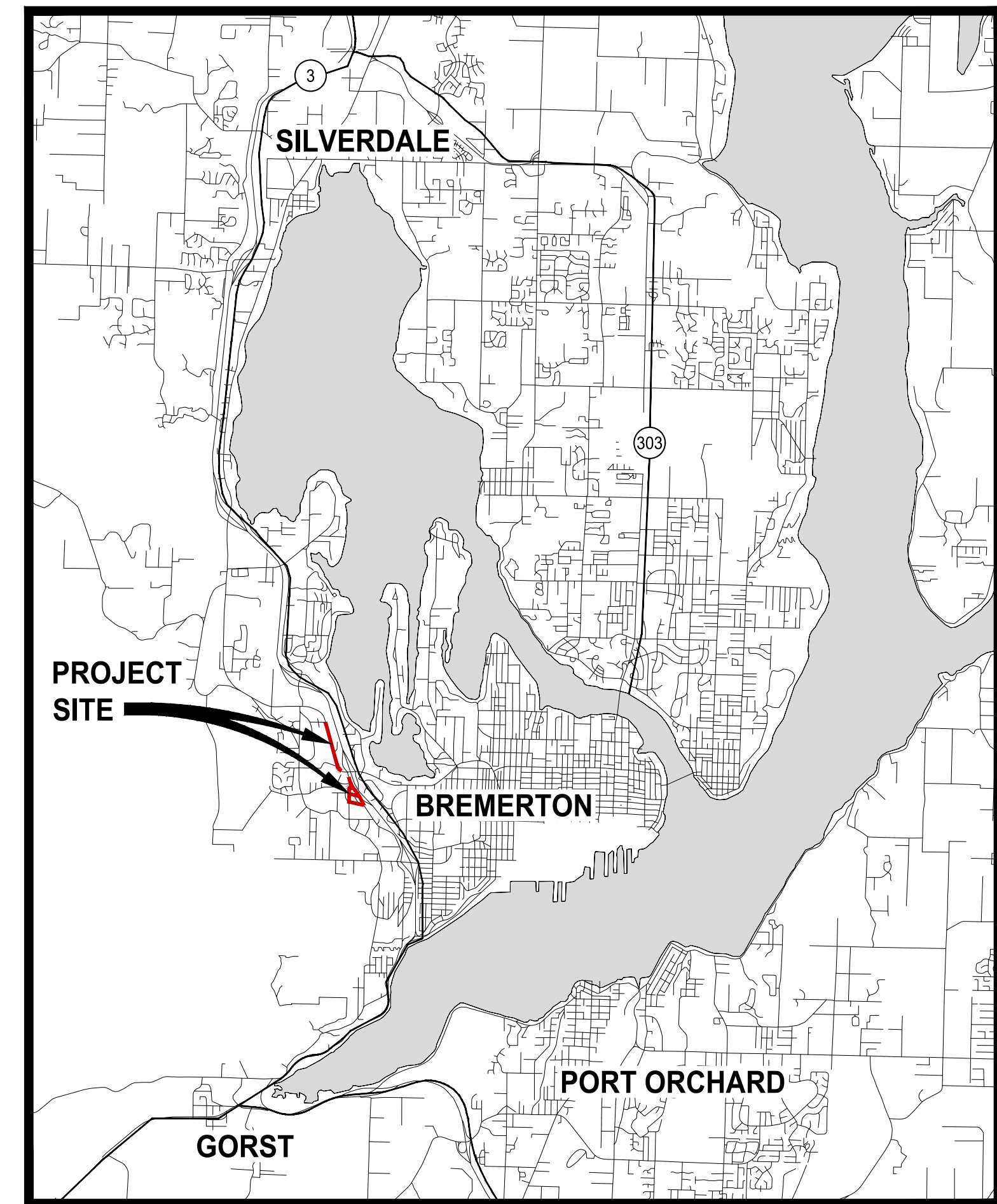
FUNDED IN PART BY THE WASHINGTON DEPARTMENT OF ECOLOGY

AUGUST 2021



VICINITY MAP
NO SCALE

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SHT NO.	DWG NO.	SHEET TITLE
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2	G2	LEGEND AND ABBREVIATIONS
3	G3	GENERAL, SEDIMENT/EROSION CONTROL AND CONSTRUCTION NOTES
4	A1	HORIZONTAL CONTROL AND SHEET LAYOUT AUTO CENTER WAY
5	A2	HORIZONTAL CONTROL AND SHEET LAYOUT KITSAP WAY
ROADWAY		
6	C1	BURWELL STREET AT GORST AVENUE PLAN & PROFILE
7	C2	5TH STREET PLAN & PROFILE
8	C3	AUTO CENTER WAY AT BRUENN AVENUE PLAN & PROFILE
9	C4	KITSAP WAY AT MONTVIEW DRIVE PLAN & PROFILE
10	C5	KITSAP WAY (SOUTH) PLAN & PROFILE
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18	D6	TREATMENT VAULT DETAILS
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20	D8	TREATMENT VAULT DETAILS
21	D9	TREATMENT VAULT DETAILS




LOCATION MAP
NO SCALE



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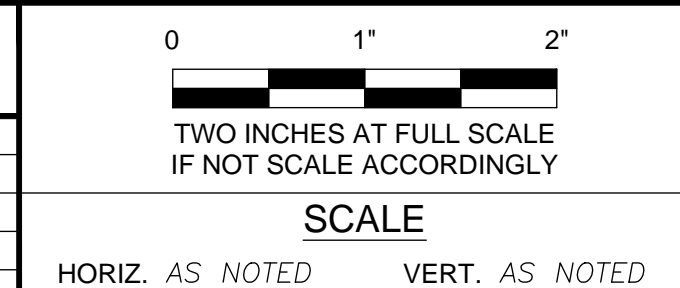
08/03/21

ACCEPTED BY  08/04/2021
GUNNAR FRIDRIKSSON, PE
STORMWATER PROJECT MANAGER


BID SET



REVISIONS			
NO.	DESCRIPTION	DATE	BY



FIELD BOOK
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CITY OF BREMERTON
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 ENGINEERING DIVISION

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DRAWN BY: C. ODEGARD DATE: 07/26/2021	DESIGN BY: D. DINKUHN WASH. P.E. #35814 DATE: 07/26/21	CHECKED BY: J. WRIGHT WASH. P.E. #48258 DATE: 07/10/21
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OSTRICH BAY CREEK STORMWATER TREATMENT

COVER SHEET

DWG NO.	G1
SHEET	1
OF	21
PN: 876	

EXISTING LEGEND:

⊙	SEWER CLEAN OUT	⊠	POWER JUNCTION BOX	TR	TELEPHONE RISER
⊙	MANHOLE SEWER	⊠	POWER METER	⊠	CABLE TV RISER
SS	SEWER LOCATES	←	POWER GUY ANCHOR	⊠	CABLE TV JUNCTION BOX
⊙	FIRE HYDRANT	☼	LIGHT STANDARD	T	COMMUNICATIONS LOCATES
⊠	WATER METER	☼	STREET LIGHT	MB	MAIL BOX
⊠	WATER VALVE	☼	POWER POLE IWTH LIGHT	d	SIGN
W	WATER LOCATES	☼	POWER POLE WITH DROP LINE	BT	BIKE PAINT STENCIL
⊠	CATCH BASIN	☼	POWER POLE WITH TRANSFORMER	CT	CONIFER TREE
⊠	AREA BASIN	☼	POWER POLE	DT	DECIDUOUS TREE
⊠	CATCH BASIN SOLID	OP	OVERHEAD POWER	SH	SHRUB
SD	STORM LOCATES	P	POWER LOCATES	H	HEDGE
---	DITCH CENTERLINE	G	GAS LOCATES	R	ROCKERY
				///	EDGE OF PAVEMENT

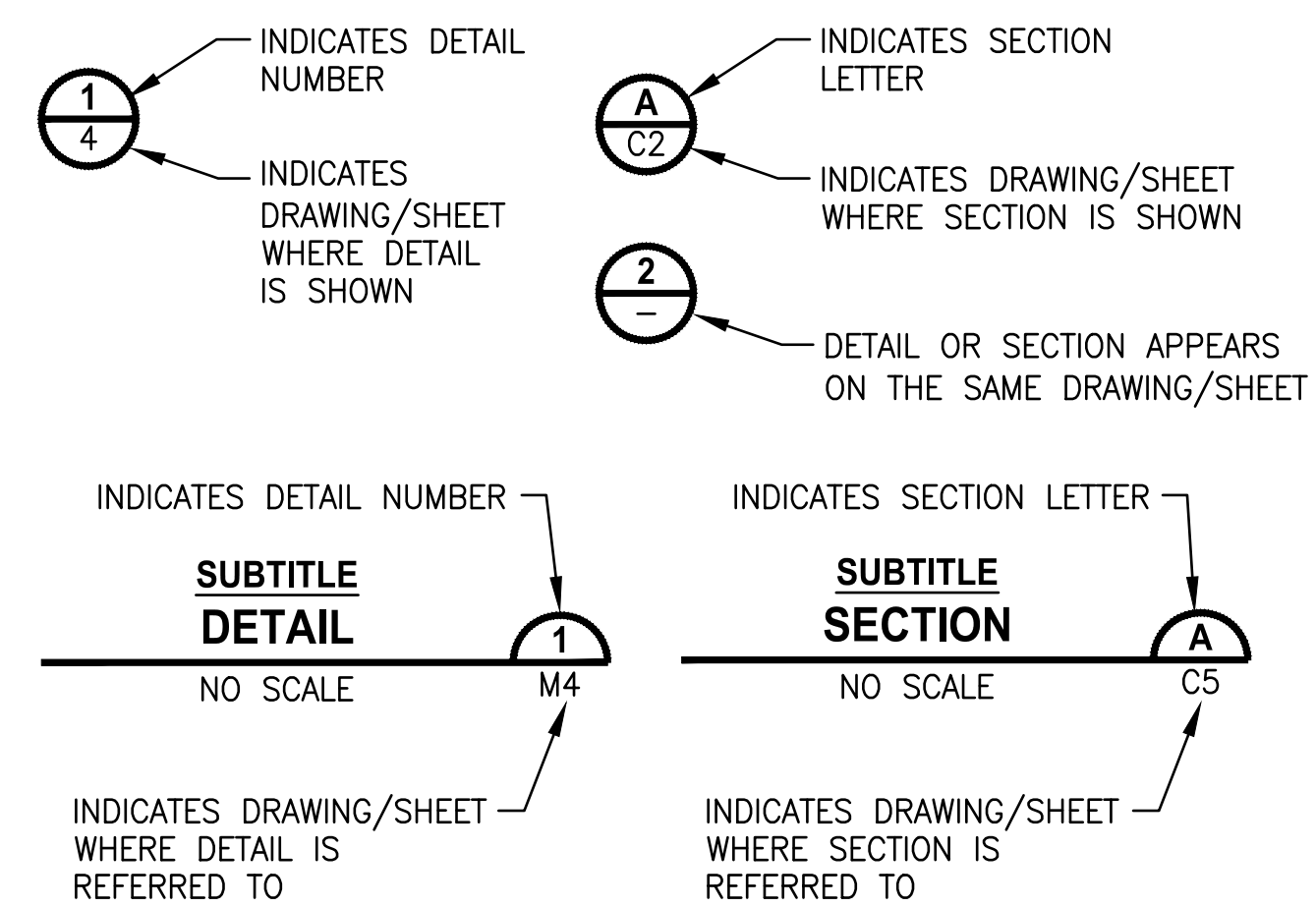
PROPOSED LEGEND:

---	CEMENT CONC. PEDESTRIAN CURB
---	CEMENT CONC. CURB AND GUTTER
---	EXTRUDED CURB TYPE 3
---	CEMENT CONCRETE SIDEWALK
---	COMMERCIAL HMA
---	DETECTABLE WARNING SURFACE
---	HYDROSEED
---	COIR NET
---	QUARRY SPALL PAD
---	CSTC
---	SILT FENCE
---	CLEARING AND GRUBBING
---	CATCH BASIN TYPE 1
---	CATCH BASIN TYPE 2
---	STORM SEWER PIPE
---	PLUG EXISTING PIPE
---	SIGN

ABBREVIATIONS

Δ	DELTA ANGLE	MIDPT	MIDPOINT
(S)	SIMPLEX GRINDER PUMP	MIN	MINIMUM
(S)	DUPLEX GRINDER PUMP	MISC	MISCELLANEOUS
ALUM	ALUMINUM	MJ	MECHANICAL JOINT
AP	ANGLE POINT	MON	MONUMENT
B/W	BACK OF WALK	N	NORTH, NORTHING
BC	BOTTOM OF CURB	NE	NORTH EAST
BF	BEGIN FLARE	NO	NUMBER
BLDG	BUILDING	NTS	NOT TO SCALE
BOL	BACK OF LANDING	NW	NORTH WEST
BOR	BACK OF RAMP	OC	ON CENTER
BOW	BACK OF WALK	OP	OVERHEAD POWER
BPC	BIOPOD CORNER	P	POWER, PROPOSED
C&G	CURB AND GUTTER	PC	POINT OF CURVATURE
CB	CATCH BASIN	PCC	PRE CAST CONCRETE
CI	CAST IRON	PE	POLYETHYLENE
CIP	CAST IN PLACE	PERP	PERPENDICULAR
CL	CENTERLINE	PI	POINT OF INTERSECTION
CLR	CLEAR	PK	SURVEY NAIL
CO	CLEAN OUT	PSI	POUNDS PER SQUARE INCH
COB	CITY OF BREMERTON	PT	POINT OF TANGENCY, POINT
CONC	CONCRETE	PVC	POINT OF VERTICAL CURVATURE
CONT	CONTAINER	PVI	POINT OF VERTICAL INTERSECTION
CSBC	CRUSHED SURFACING BASE COURSE	PVT	POINT OF VERTICAL TANGENCY
CSTC	CRUSHED SURFACING TOP COURSE	R	RADIUS
CULV	CULVERT	ROW	RIGHT OF WAY
DEMO	DEMOLITION	RP	RADIUS POINT
DI	DUCTILE IRON	RPM	RAISED PAVEMENT MARK LINE
DIA	DIAMETER	RT	RIGHT
DWG	DRAWING	S	SOUTH
E	EAST, EASTING	SCH	SCHEDULE
EA	EACH	SD	STORM DRAIN
EG	EXISTING GROUND	SDCB	STORM DRAIN CATCH BASIN
EL	ELEVATION	SDMH	STORM DRAIN MANHOLE
EOP	EDGE OF PAVEMENT	SE	SOUTH EAST
EQ	EQUAL	SECT	SECTION
EX	MATCH EXISTING	SF	SQUARE FOOT, FEET
EXIST	EXISTING	SL	SLOPE
FG	FINISH GROUND	SS	SANITARY SEWER
FL	FLOW LINE, FLANGE	SSFM	SANITARY SEWER FORCE MAIN
FOL	FRONT OF LANDING	SSMH	SANITARY SEWER MANHOLE
FOR	FRONT OF RAMP	ST	STREET
FM	FORCE MAIN	STA	STATION
FOC	FACE OF CURB	STD	STANDARD
FT	FOOT, FEET	SW	SOUTH WEST
G	GAS	S/W	SIDEWALK
GA	GAUGE	TA	TOP OF ASPHALT
GV	GATE VALVE	TBC	TOP BACK OF CURB
H, HORIZ	HORIZONTAL	TC	TOP OF CURB
HDPE	HIGH DENSITY POLYETHYLENE	TYP	TYPICAL
HMA	HOT MIX ASPHALT	V, VERT	VERTICAL
HT	HEIGHT	W	WIDTH, WATER, WEST
IE	INVERT ELEVATION	W/	WITH
IN	INCH	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
IPS	IRON PIPE SIZE		
L	LENGTH		
LPS	LOW PRESSURE SEWER		
LT	LEFT		
LF	LINEAR FOOT		
MAX	MAXIMUM		
MEF	MAXIMUM EXTENT FEASIBLE		
MB	MAILBOX		

DETAIL AND SECTION DESIGNATION

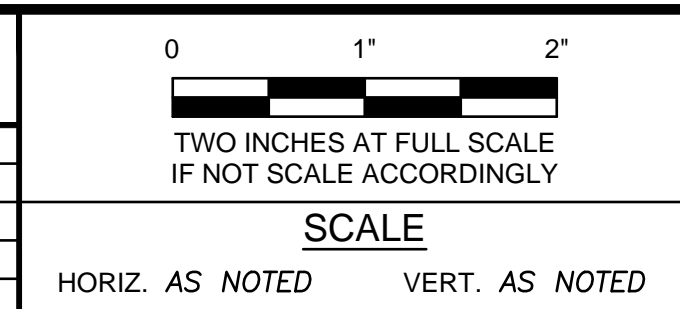


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DATE: 07/26/2021

DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT

LEGEND AND ABBREVIATIONS

DWG NO.
G2
SHEET
2
OF
21

BID SET

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 NECESSARY TO COMPLETE THE REQUIRED WORK. 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, ALL 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.

SEDIMENT / EROSION CONTROL NOTES

1. STABILIZE CONSTRUCTION ACCESS POINTS TO EXISTING ROADS. STABILIZED CONSTRUCTION ENTRANCES PER CITY OF BREMERTON STANDARD DETAIL 2008 SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. STREET SWEEPING MAY BE USED IN PLACE OF STABILIZED CONSTRUCTION ENTRANCE.
2. PROTECT EXISTING STORM WATER INFRASTRUCTURE ON EXISTING ROADS NEAR CONSTRUCTION ENTRANCES FROM SEDIMENT-LADEN RUNOFF.
3. 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.
4. THE TEMPORARY EROSION CONTROL SYSTEM SHALL BE INSTALLED PRIOR TO ALL OTHER CONSTRUCTION.
5. WHERE POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
6. 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.
7. 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.
8. ALL DISTURBED LAND AREAS LEFT FOR 30 DAYS OR MORE SHALL BE SEEDDED WITH A MIX AND BY A METHOD APPROVED BY THE ENGINEER AND MAINTAINED UNTIL SEED GERMINATION IS ASSURED.
9. THE PUBLIC RIGHT-OF-WAY SHALL BE KEPT CLEAN. TRACKING OF MUD AND DEBRIS FROM THE SITES 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.
10. CLEANUP AND RESTORATION. THE FOLLOWING PROCEDURES SHALL BE FOLLOWED IN CLEANING AND RESTORING THE CONSTRUCTION SITE:
 - A. STREET SHALL BE SWEEPED EACH DAY.
 - B. DISTURBED SOILS SHALL BE FINAL GRADED, SEEDDED, AND MULCHED; OR SODDED AFTER THE INSTALLATION OF THE UTILITY.
 - C. DITCHES SHALL BE SEEDDED, 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.

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 COMPLETED OF PROJECT.
5. HORIZONTAL ALIGNMENT IS BASED ON THE CONSTRUCTION BASE LINES SHOWN ON THE DRAWINGS. GENERALLY THE CONSTRUCTION BASE LINES ARE COINCIDENT WITH THE CENTERLINE OF THE PIPE.
6. HORIZONTAL DIMENSIONS AND STATION OFFSETS ON PLAN AND PROFILE SHEETS TO PIPELINES, MANHOLES, AND OTHER FACILITIES 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.
7. MANHOLES AND STRUCTURES ARE SHOWN ON THE PLANS SYMBOLICALLY. CONSTRUCT MANHOLES AND STRUCTURES AS SHOWN ON THE DETAILED DRAWINGS AND AS SPECIFIED.
8. 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 POTHOLE THE UTILITY TO CONFIRM THE ELEVATION PRIOR TO CONSTRUCTION. POTHOLING IS PAID AS A UNIT BID ITEM.
9. 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 ENGINEER WHEN NEARING A WATER SERVICE LINE. THE CONTRACTOR WILL CUT AND RESTORE WATER SERVICES THAT INTERSECT THE TRENCH TO ALLOW FOR PIPE INSTALLATION.

CONSTRUCTION NOTES (CONT)

10. WHERE KNOWN, SEWER LATERALS ARE SHOWN ON THE PLAN PROFILE SHEETS. DEPTH OF THE LATERAL AT THE NEW SEWER MAIN IS NOT KNOWN WITH CERTAINTY. THE CONTRACTOR SHALL CUT AND RESTORE SEWER LATERALS TO ALLOW FOR INSTALLATION OF THE PIPE. MAINTAIN A SUPPLY OF PVC PIPE AND FLEXIBLE COUPLINGS AT THE PROJECT SITE TO EXPEDITE RESTORATION OF LATERALS. THE SIZE AND MATERIAL TYPE OF EXISTING LATERALS VARIES.
11. THE CONTRACTOR SHALL PROTECT AND SUPPORT THE EXISTING CURB, GUTTER, SIDEWALK, AND UTILITY POLES WHEN SAWCUTTING AND INSTALLING PIPING IN THE ROADWAY ADJACENT TO THE CURB AND GUTTER. UNLESS DESIGNATED FOR SURFACE RESTORATION IN THE PLANS, ANY DAMAGE TO THESE ITEMS DUE TO THE CONTRACTOR'S WORK IN THE ROADWAY SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. ALL COSTS TO PROTECT EXISTING FACILITIES ARE INCIDENTAL.
12. 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 POTHOLING.
13. 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.
14. COORDINATE WITH THE POWER COMPANY (PSE) AS NEEDED WHILE TRENCHING IN THE VICINITY OF POWER POLES TO ENSURE POLES ARE NOT DAMAGED OR UNDERMINED DURING SUBSURFACE CONSTRUCTION.
15. PLACE AND MAINTAIN TEMPORARY PAVEMENT PATCHING (COLD MIX ASPHALT) IF FINAL PAVEMENT RESTORATION DOES NOT OCCUR IMMEDIATELY AFTER BACKFILLING.
16. MAXIMUM ALLOWABLE TRENCH LENGTH OPEN AT ANY TIME IS 100 FEET, UNLESS APPROVED OTHERWISE BY THE ENGINEER.
17. PRIOR TO FINAL SAWCUTTING IN PREPARATION FOR SURFACE RESTORATION, THE CONTRACTOR SHALL WALK AREAS DESIGNATED FOR RESTORATION WITH THE ENGINEER TO DETERMINE SAWCUT LINES.

FILE: F:\1886173-01 LAYOUT: 03 PATH: U:\VSO\Projects\Clients\1886-1896-173 OstrichBayCreekStormwtr\995vca\CADD\DWG PLOTTED BY: OdegardCoo DATE: Monday, August 2, 2021 3:38:12 PM

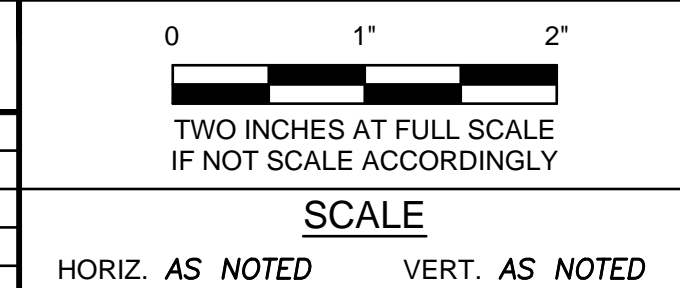


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DATE: 07/26/2021

DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

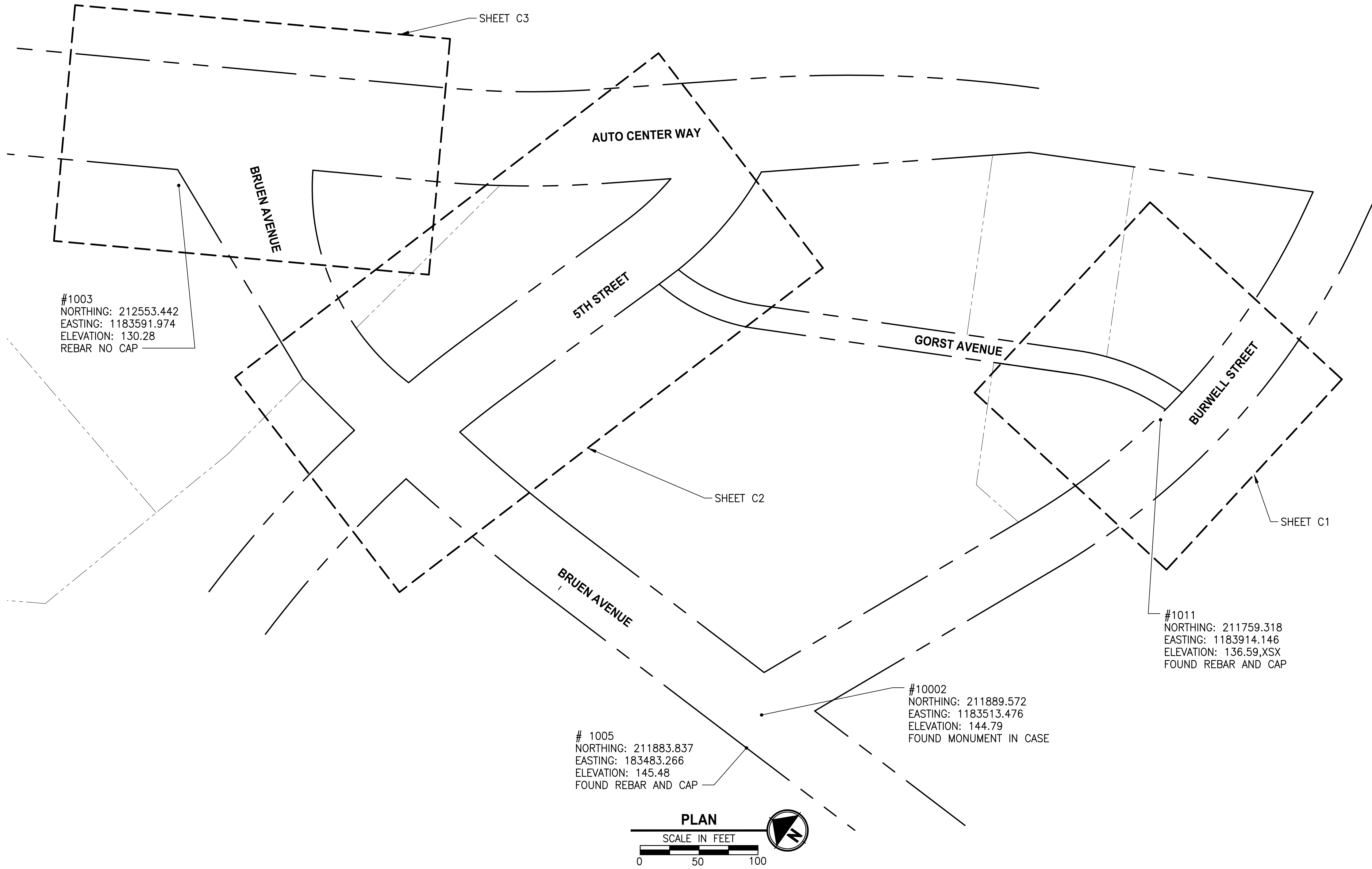
OSTRICH BAY CREEK STORMWATER TREATMENT
GENERAL, SEDIMENT/EROSION CONTROL
AND CONSTRUCTION NOTES

BID SET

DWG NO.
G3
SHEET
3
OF
21

PN: 876

FILE: PS1816173-A01 LAYOUT: A01 PATH: U:\PSO\Projects\Clients\1816-CityOfBremerton\233-1816-173-OstrichBayCreekStorm\985\cs\CADD\DWG PLOTTED BY: OdegardC DATE: Tuesday, August 3, 2021 2:25:25 PM



SURVEY NOTES:

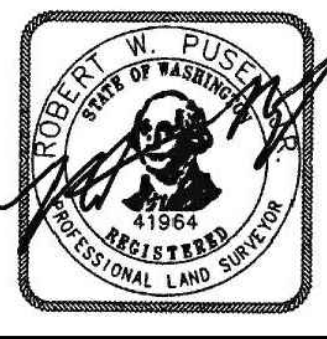
- HORIZONTAL DATUM FOR THIS SURVEY IS NAD 1983(11) BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATIONS 31 AND AUSTIN PROJECTION IS WASHINGTON STATE PLANE NORTH ZONE, U.S. SURVEY FEET
 POINT 31 NORTHING: 212488.000 EASTING: 1180717.068
 POINT AUSTIN: NORTHING: 217897.537 EASTING: 1181107.615
- VERTICAL DATUM IS NAVD88 BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATION 31
 POINT DESIGNATION 31
 ELEVATION 305.514
- THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY IN SEPTEMBER 2016 AND MINOR UPDATES IN MAY AND JUNE OF 2021.
- CONVENTIONAL AND GPS SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
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SURVEY CONTROL POINTS				
POINT #	NORTHING	EASTING	ELEV.	DESCRIPTION
1003	212553.442	1183591.974	130.28	REBAR NO CAP
1005	211883.837	1183483.266	145.48	FOUND REBAR AND CAP
1011	211759.318	1183914.146	136.59	SCRIBE
10002	211889.572	1183513.476	144.79	FOUND MONUMENT IN CASE

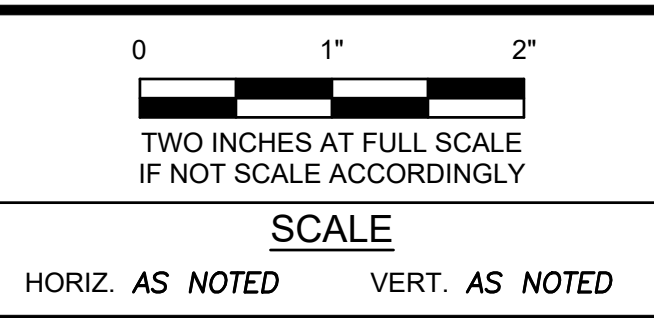


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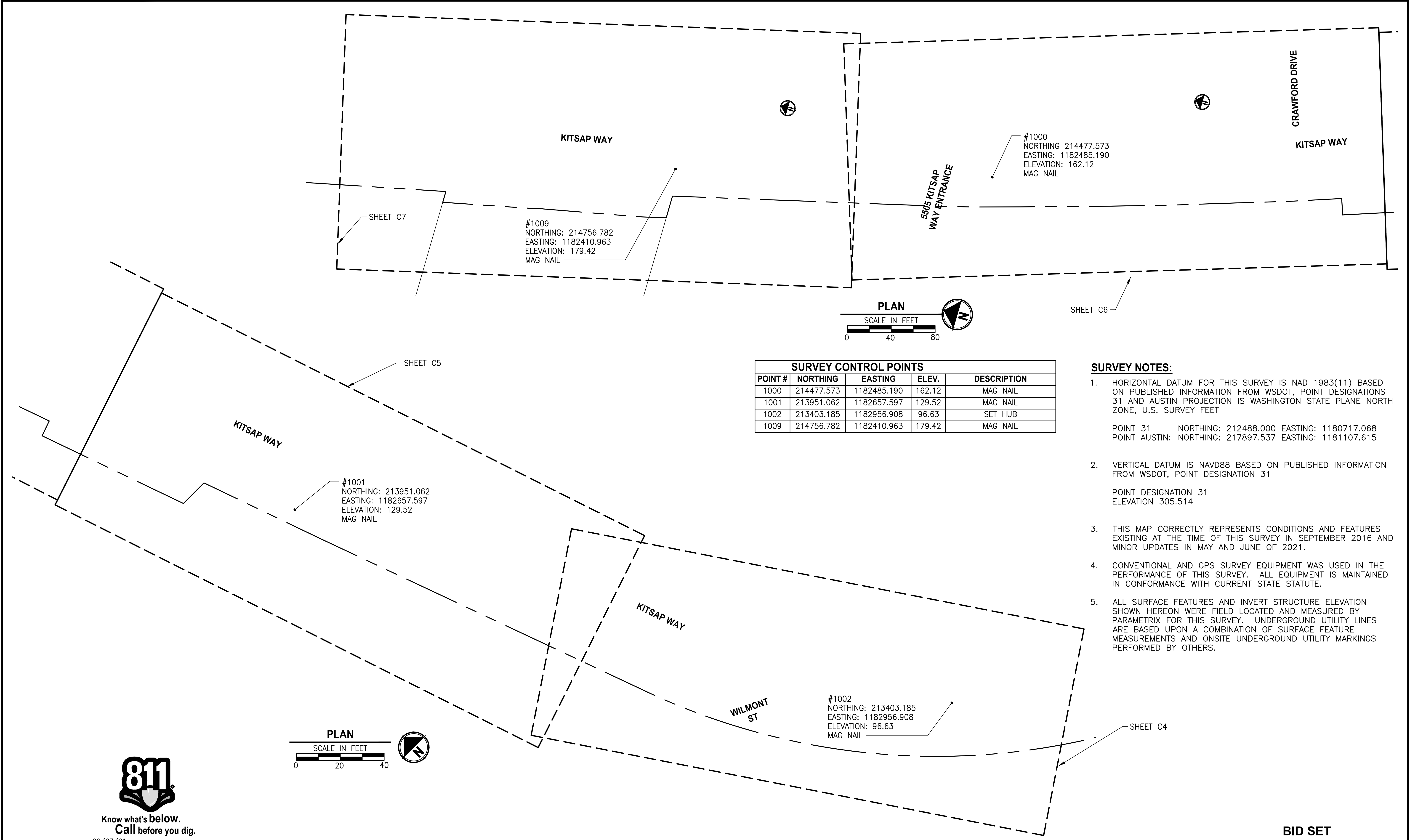
OSTRICH BAY CREEK STORMWATER TREATMENT

HORIZONTAL CONTROL AND SHEET LAYOUT
AUTO CENTER WAY

DWG NO. **A1**
 SHEET 4 OF 21
 P/N: 876

BID SET

FILE: P:\1816173-A01 LAYOUT: A02 -PAT- U:\PSD\Projects\Clients\1816-173 OstrichBayCreek\Storm\989\cs\CADD\DWG -PLOTTED BY: OdegardC - DATE: Tuesday, August 3, 2021 2:25:29 PM



SURVEY CONTROL POINTS				
POINT #	NORTHING	EASTING	ELEV.	DESCRIPTION
1000	214477.573	1182485.190	162.12	MAG NAIL
1001	213951.062	1182657.597	129.52	MAG NAIL
1002	213403.185	1182956.908	96.63	SET HUB
1009	214756.782	1182410.963	179.42	MAG NAIL

- SURVEY NOTES:**
- HORIZONTAL DATUM FOR THIS SURVEY IS NAD 1983(11) BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATIONS 31 AND AUSTIN PROJECTION IS WASHINGTON STATE PLANE NORTH ZONE, U.S. SURVEY FEET

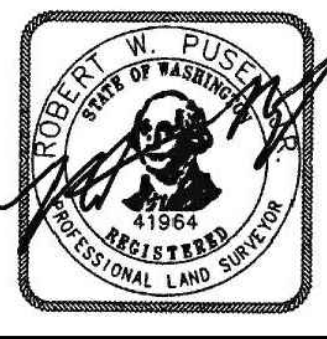
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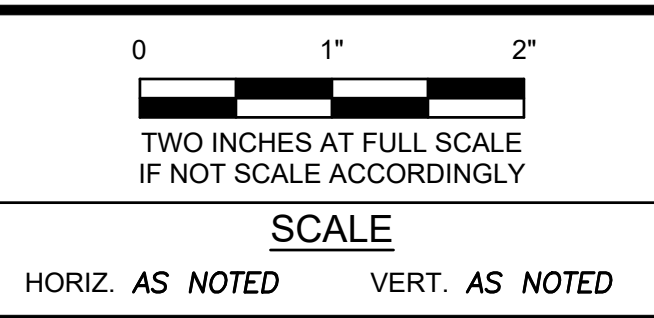


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WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT

HORIZONTAL CONTROL AND SHEET LAYOUT
KITSAP WAY

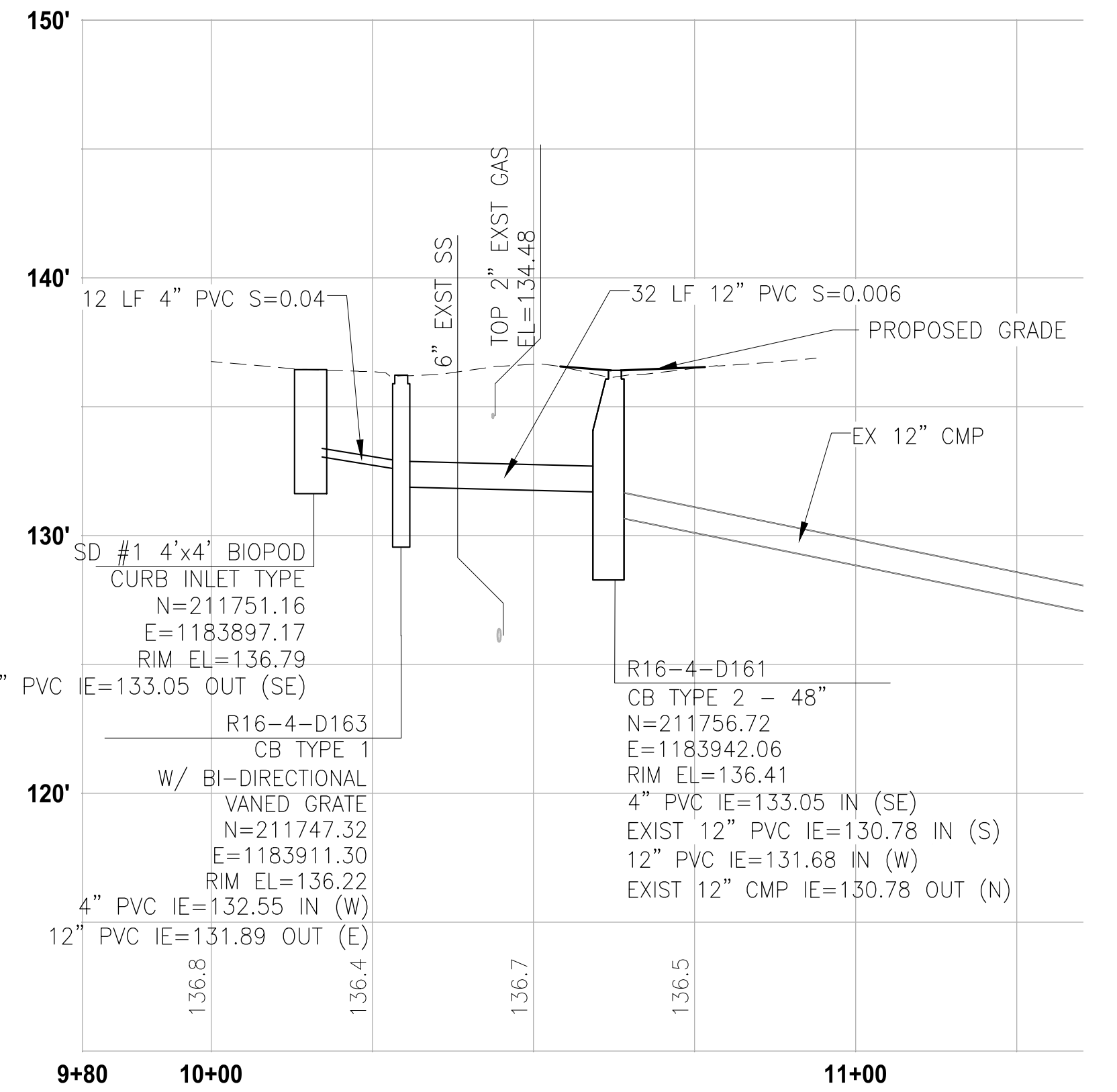
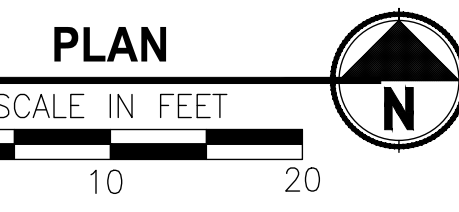
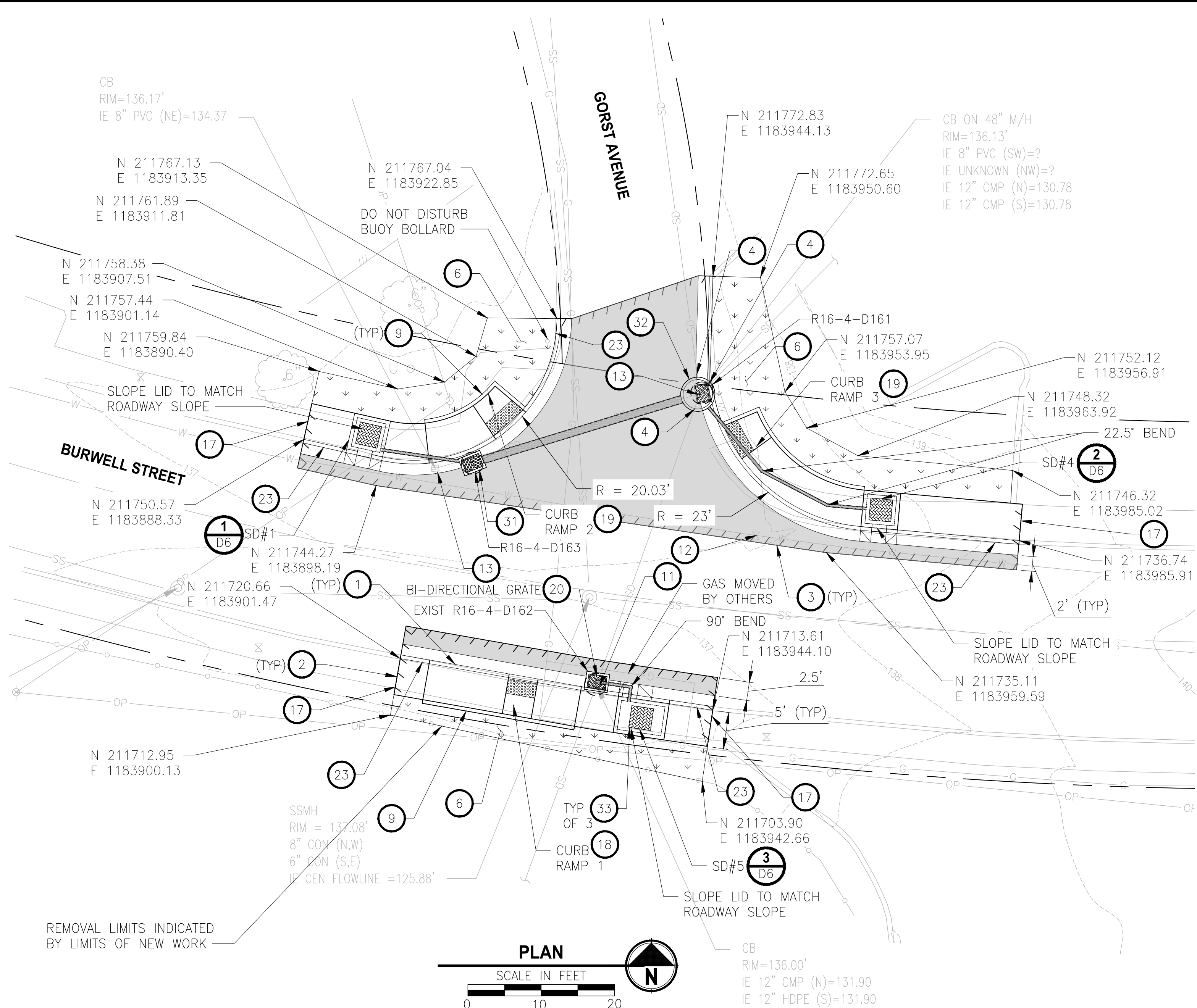
DWG NO.
A2

SHEET
5
OF
21

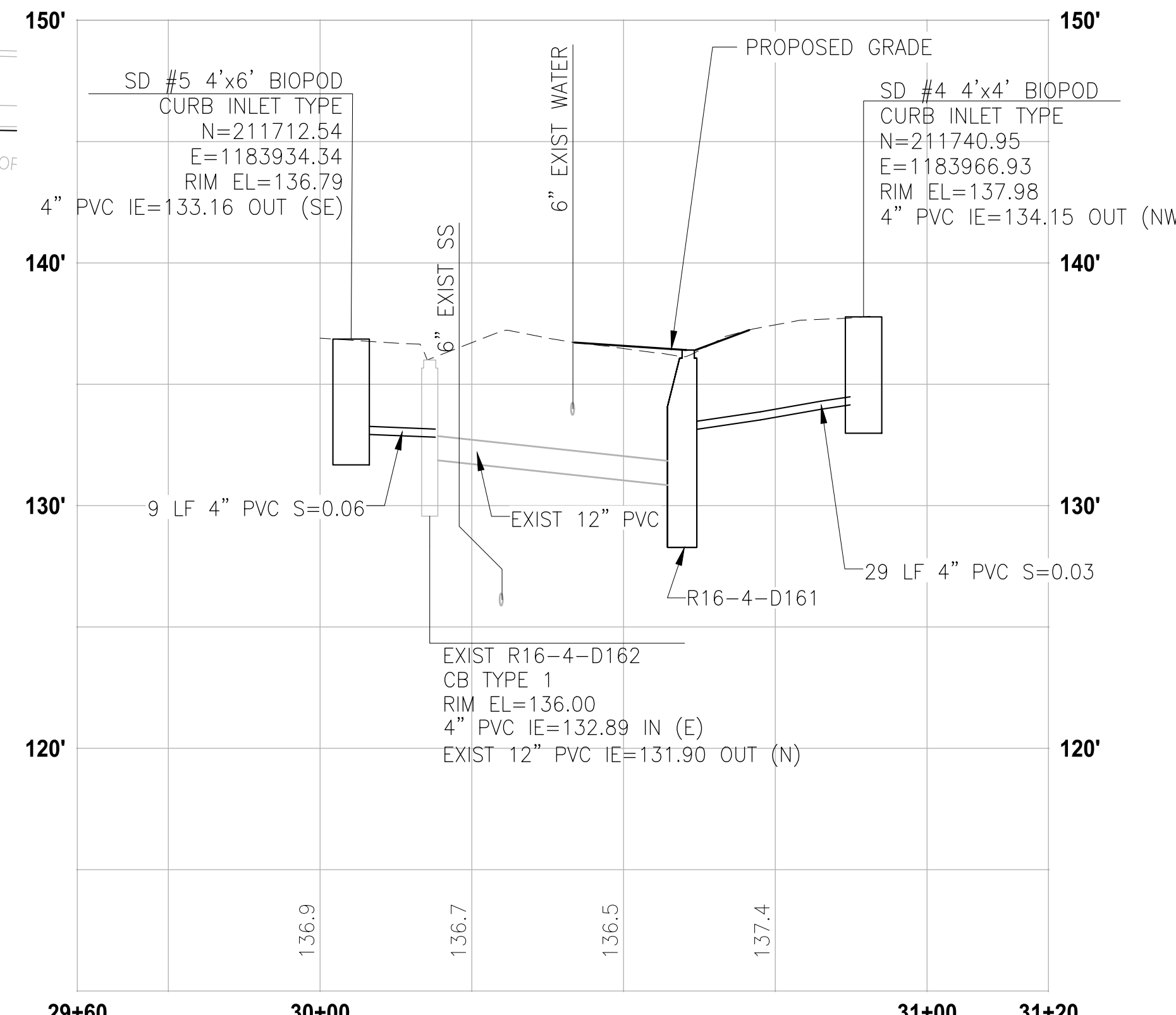
PN: 876

BID SET

FILE: P:\1886173-C01 LAYOUT.C01 DATE: Monday, August 2, 2021 3:40:39 PM PLOTTED BY: OdeggCoo



STORM PROFILE A
 HORIZ: 1"=20'
 VERT: 1"=5'



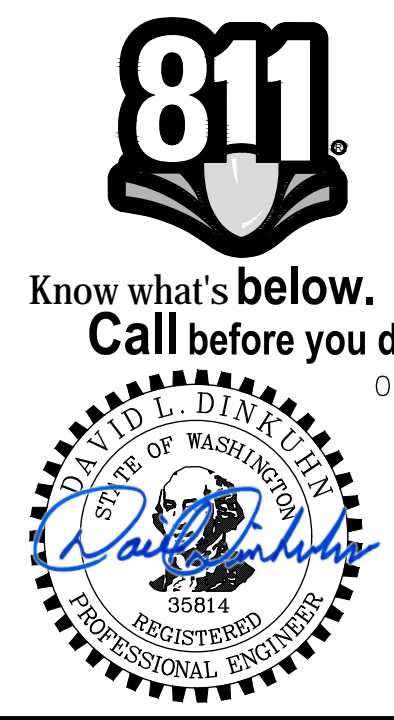
STORM PROFILE B
 HORIZ: 1"=20'
 VERT: 1"=5'

- KEY NOTES:**
- 1 CEMENT CONCRETE CURB & GUTTER PER COB STD DETAIL 3131, SEE SHEET D3
 - 2 SIDEWALK PER COB STD DETAIL 3101, SEE SHEET D3.
 - 3 TRENCH RESTORATION, SEE SHEET D3.
 - 4 CONNECT TO EXISTING PIPE PER WSDOT STD PLAN B-60.20-02
 - 5 STORMWATER BERM, SEE DETAIL **4**/**D4**
 - 6 4" TOPSOIL AND HYDROSEED.
 - 7 CURB DRAIN, SEE DETAIL **1**/**D4**
 - 8 EXTRUDED CURB TYPE 3 PER WSDOT STD PLAN F-10.42-00
 - 9 CEMENT CONCRETE PEDESTRIAN CURB TYPE C-2. PER COB STD DETAIL 3133, SEE DETAIL SHEET D3
 - 10 PROJECT SIGN, SEE DETAIL **2**/**D4**
 - 11 CONNECT TO EXISTING STRUCTURE.
 - 12 REPLACE VALVE BOX
 - 13 REMOVE CATCH BASIN
 - 14 QUARRY SPALL OUTLET/INLET PROTECTION, SEE DETAIL **5**/**D4**
 - 15 PLUG EXISTING PIPE
 - 16 VALLEY GUTTER, SEE DETAIL **2**/**D5**
 - 17 REMOVE SIDEWALK TO NEAREST JOINT OR AS DIRECTED BY ENGINEER
 - 18 CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
 - 19 CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03
 - 20 REPLACE FRAME AND LID/GRATE, SEE SPECIAL PROVISIONS
 - 21 REMOVE AND REINSTALL SIGN PER COB STD DETAIL 3251
 - 22 INSTALL COIR NET PER MANUFACTURER'S RECOMMENDATIONS
 - 23 ROLLED CURB TO CURB AND GUTTER TRANSITION, SEE DETAIL **6**/**D4**
 - 24 REPLACE WHEEL STOP, SEE SPECIAL PROVISIONS
 - 25 4" YELLOW/WHITE PAINT EDGE LINE
 - 26 RPM SKIP LINE PER COB STD 3262, SEE SHEET D3
 - 27 GRASS LINED DRAINAGE SWALE, SEE DETAIL **4**/**D5**
 - 28 TRASH RACK PER COB STD DETAIL 4041, SEE SHEET D3
 - 29 QUARRY SPALL LINED DRAINAGE DITCH, SEE DETAIL **6**/**D5**
 - 30 INSTALL BEEHIVE GRATE, SEE DETAIL **3**/**D5** **5**/**D5**
 - 31 INSTALL CATCH BASIN TYPE 1
 - 32 INSTALL CATCH BASIN TYPE 2
 - 33 INSTALL BIOPOD

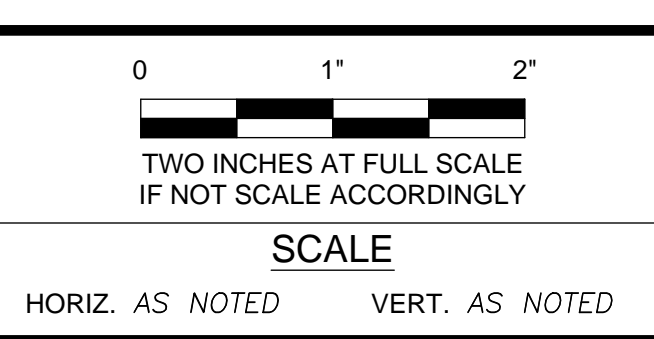
- GENERAL NOTES:**
1. SEE SHEETS D6 THROUGH D9 FOR BIOPOD DETAILS.
 2. ALL DRAINAGE STRUCTURES PER WSDOT STD PLANS, UNLESS OTHERWISE NOTED.
 3. ALL TYPE 2 CATCH BASINS SHALL BE PROVIDED WITH DECORATIVE STORM RIM AND COVER PER COB STD DETAIL 4022, UNLESS NOTED OTHERWISE.
 4. SET BIOPODS WITH ROUGH TERRAIN FORKLIFT OR EQUAL.
 5. COORDINATES ARE TO CENTER OF STRUCTURE.

- TRAFFIC CONTROL NOTES:**
1. CONTRACTOR SHALL DEVELOP, SUBMIT, AND IMPLEMENT A TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS 1-10.2(2)

- CONSTRUCTION LEGEND:**
- | | | | |
|--|------------------------------|--|--|
| | CEMENT CONC. PEDESTRIAN CURB | | SAWCUT |
| | CEMENT CONC. CURB AND GUTTER | | CLEARING AND GRUBBING |
| | CEMENT CONCRETE SIDEWALK | | CATCH BASIN TYPE 1 |
| | HMA | | CATCH BASIN TYPE 2 |
| | DETECTABLE WARNING SURFACE | | STORM SEWER PIPE |
| | HYDROSEED | | PLUG EXISTING PIPE |
| | QUARRY SPALL PAD | | SIGN |
| | CSTC | | STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00 |
| | COIR NET | | |
| | FLOW LINE | | |
| | REMOVE PIPE | | |



REVISIONS			
NO.	DESCRIPTION	DATE	BY



CITY OF BREMERTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

FIELD BOOK

DRAWING NO. **B**

DRAWN BY: C. ODEGARD
 DATE: 07/26/2021

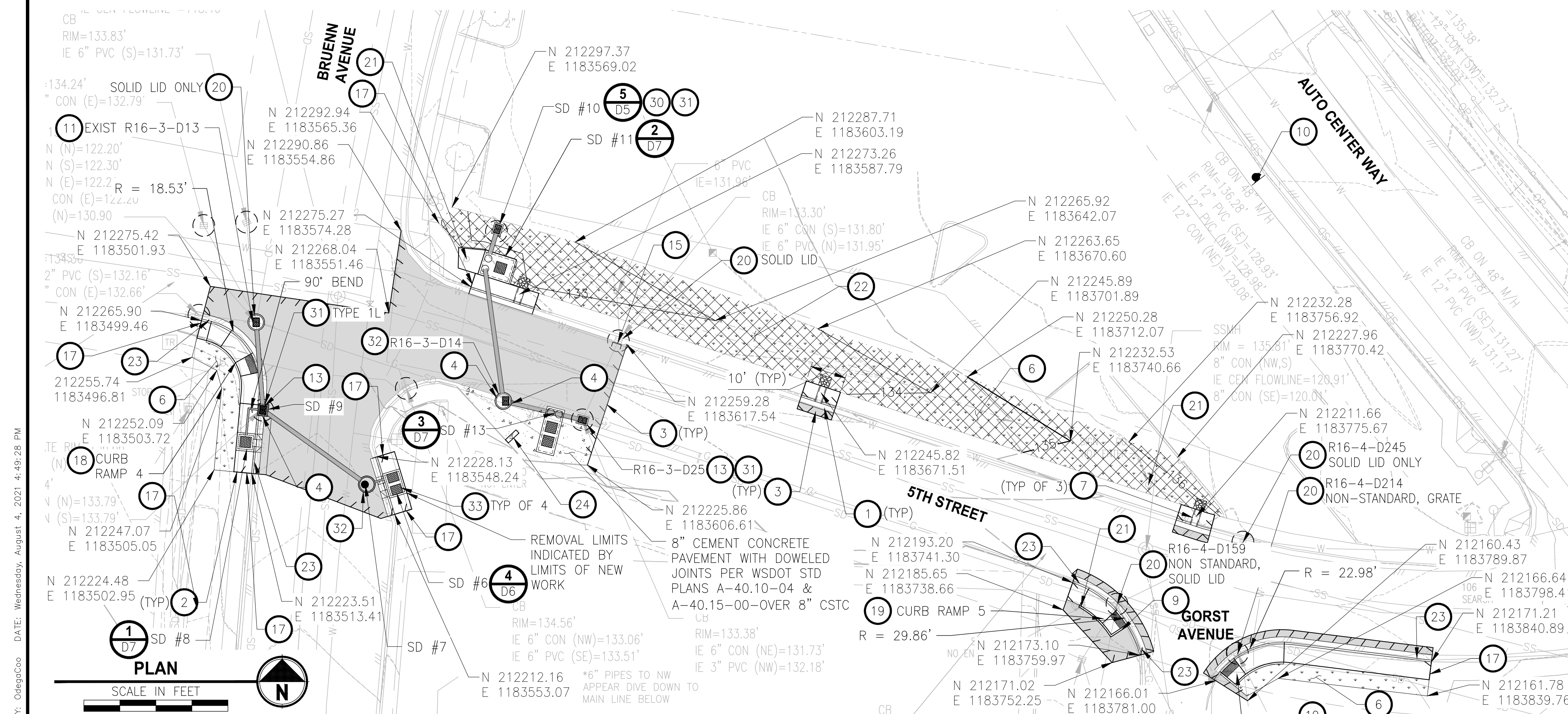
DESIGN BY: D. DINKUHN
 WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
 WASH. P.E. #48258 DATE: 07/10/21

BID SET

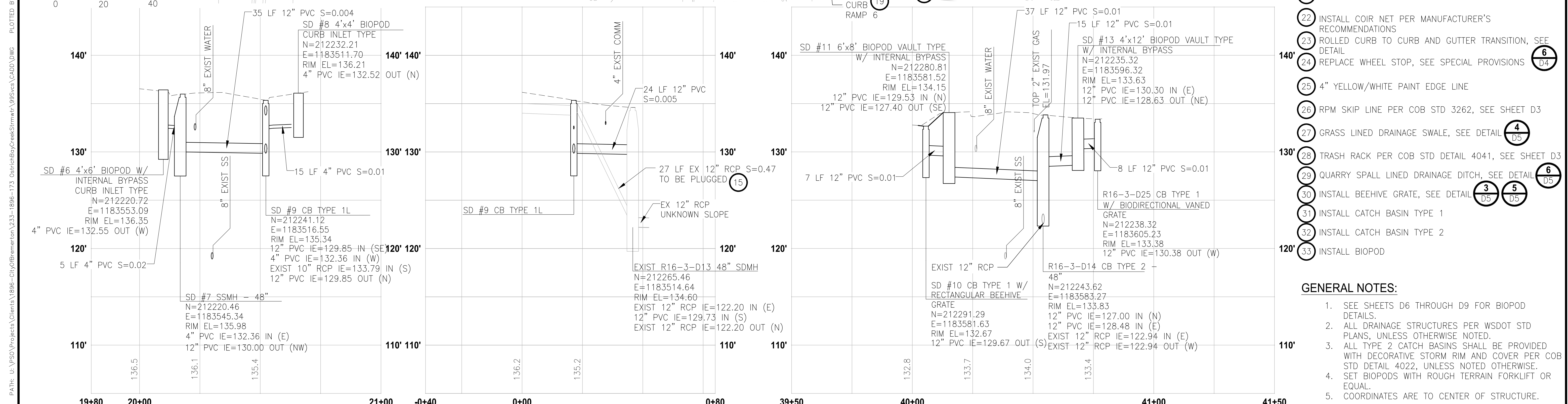
OSTRICH BAY CREEK STORMWATER TREATMENT
 BURWELL STREET AT GORST AVENUE
 PLAN & PROFILE

DWG NO. **C1**
 SHEET 6 OF 21
 P.N.: 876



- CONSTRUCTION LEGEND:**
- CEMENT CONC. PEDESTRIAN CURB
 - CEMENT CONC. CURB AND GUTTER
 - CEMENT CONCRETE PAVEMENT
 - COMMERCIAL HMA
 - DETECTABLE WARNING SURFACE
 - HYDROSEED
 - QUARRY SPALL PAD
 - CSTC
 - COIR NET
 - SAWCUT
 - CLEARING AND GRUBBING
 - CATCH BASIN TYPE 1
 - CATCH BASIN TYPE 2
 - STORM SEWER PIPE
 - PLUG EXISTING PIPE
 - SIGN
 - STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00
- TRAFFIC CONTROL NOTES:**
1. CONTRACTOR SHALL DEVELOP, SUBMIT, AND IMPLEMENT A TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS 1-10.2(2)

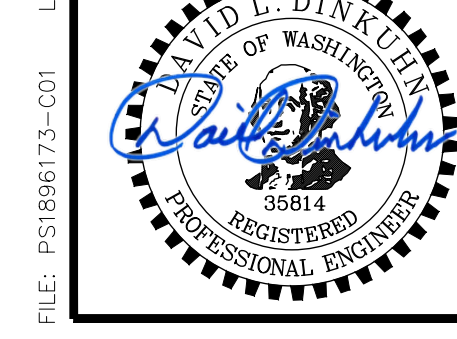
- KEY NOTES:**
- 1 CEMENT CONCRETE CURB & GUTTER PER COB STD DETAIL 3131, SEE SHEET D3
 - 2 SIDEWALK PER COB STD DETAIL 3101, SEE SHEET D3.
 - 3 TRENCH RESTORATION, SEE SHEET D3.
 - 4 CONNECT TO EXISTING PIPE PER WSDOT STD PLAN B-60.20-02
 - 5 STORMWATER BERM, SEE DETAIL 4 D4
 - 6 4" TOPSOIL AND HYDROSEED.
 - 7 CURB DRAIN, SEE DETAIL 1 D4
 - 8 EXTRUDED CURB TYPE 3 PER WSDOT STD PLAN F-10.42-00
 - 9 CEMENT CONCRETE PEDESTRIAN CURB TYPE C-2. PER COB STD DETAIL 3133, SEE DETAIL SHEET D3
 - 10 PROJECT SIGN, SEE DETAIL 2 D4
 - 11 CONNECT TO EXISTING STRUCTURE.
 - 12 REPLACE VALVE BOX
 - 13 REMOVE CATCH BASIN
 - 14 QUARRY SPALL OUTLET/INLET PROTECTION, SEE DETAIL 5 D4
 - 15 PLUG EXISTING PIPE
 - 16 VALLEY GUTTER, SEE DETAIL 2 D5
 - 17 REMOVE SIDEWALK TO NEAREST JOINT OR AS DIRECTED BY ENGINEER
 - 18 CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
 - 19 CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03
 - 20 REPLACE FRAME AND LID/GRATE, SEE SPECIAL PROVISIONS
 - 21 REMOVE AND REINSTALL SIGN PER COB STD DETAIL 3251
 - 22 INSTALL COIR NET PER MANUFACTURER'S RECOMMENDATIONS
 - 23 ROLLED CURB TO CURB AND GUTTER TRANSITION, SEE DETAIL 6 D4
 - 24 REPLACE WHEEL STOP, SEE SPECIAL PROVISIONS 6 D4
 - 25 4" YELLOW/WHITE PAINT EDGE LINE
 - 26 RPM SKIP LINE PER COB STD 3262, SEE SHEET D3
 - 27 GRASS LINED DRAINAGE SWALE, SEE DETAIL 4 D5
 - 28 TRASH RACK PER COB STD DETAIL 4041, SEE SHEET D3
 - 29 QUARRY SPALL LINED DRAINAGE DITCH, SEE DETAIL 6 D5
 - 30 INSTALL BEEHIVE GRATE, SEE DETAIL 3 D5 5 D5
 - 31 INSTALL CATCH BASIN TYPE 1
 - 32 INSTALL CATCH BASIN TYPE 2
 - 33 INSTALL BIOPOD



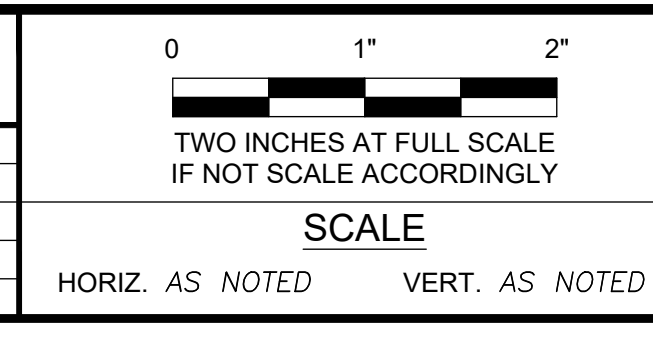
- GENERAL NOTES:**
1. SEE SHEETS D6 THROUGH D9 FOR BIOPOD DETAILS.
 2. ALL DRAINAGE STRUCTURES PER WSDOT STD PLANS, UNLESS OTHERWISE NOTED.
 3. ALL TYPE 2 CATCH BASINS SHALL BE PROVIDED WITH DECORATIVE STORM RIM AND COVER PER COB STD DETAIL 4022, UNLESS NOTED OTHERWISE.
 4. SET BIOPODS WITH ROUGH TERRAIN FORKLIFT OR EQUAL.
 5. COORDINATES ARE TO CENTER OF STRUCTURE.

STORM C PROFILE **STORM D PROFILE** **STORM E PROFILE**

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



REVISIONS			
NO.	DESCRIPTION	DATE	BY



FIELD BOOK

DRAWING NO.

DRAWN BY: C. OEGARD
DATE: 07/26/2021

CITY OF BREMEROTON
 DEPARTMENT OF PUBLIC WORKS & UTILITIES
 ENGINEERING DIVISION

DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

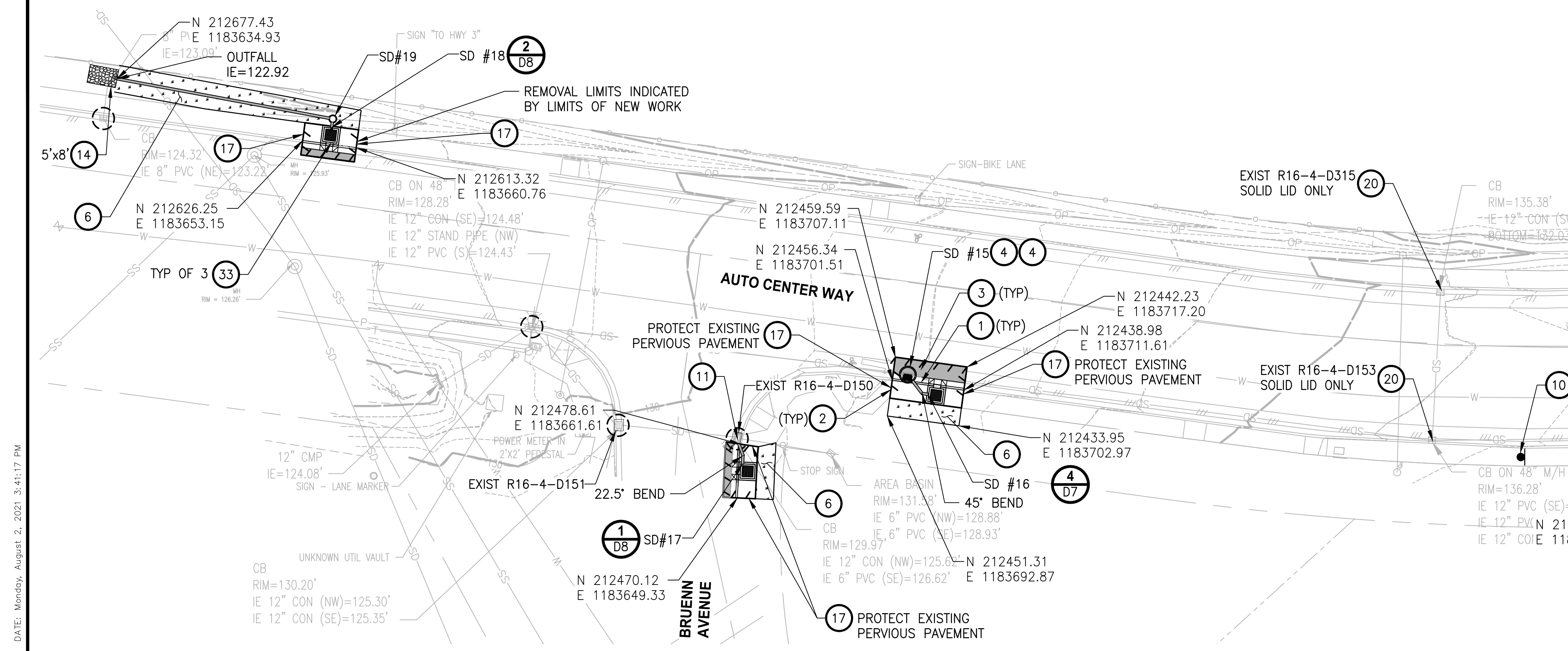
BID SET

OSTRICH BAY CREEK STORMWATER TREATMENT
5TH STREET
PLAN & PROFILE

DWG NO. **C2**

SHEET 7 OF 21

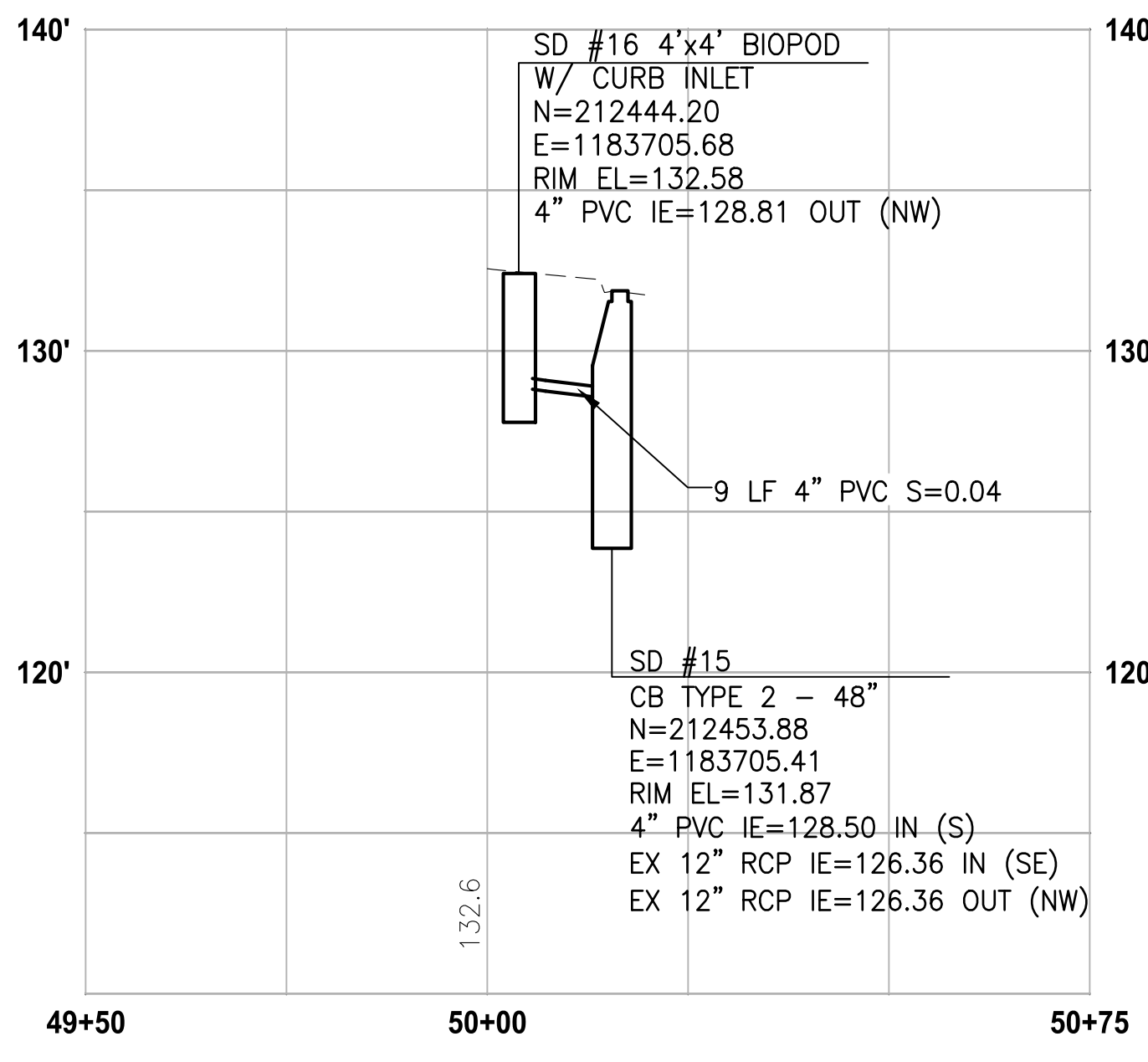
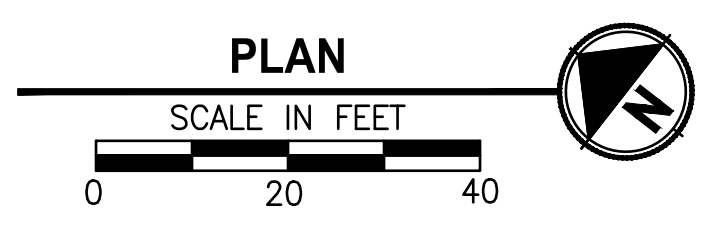
PN: 876



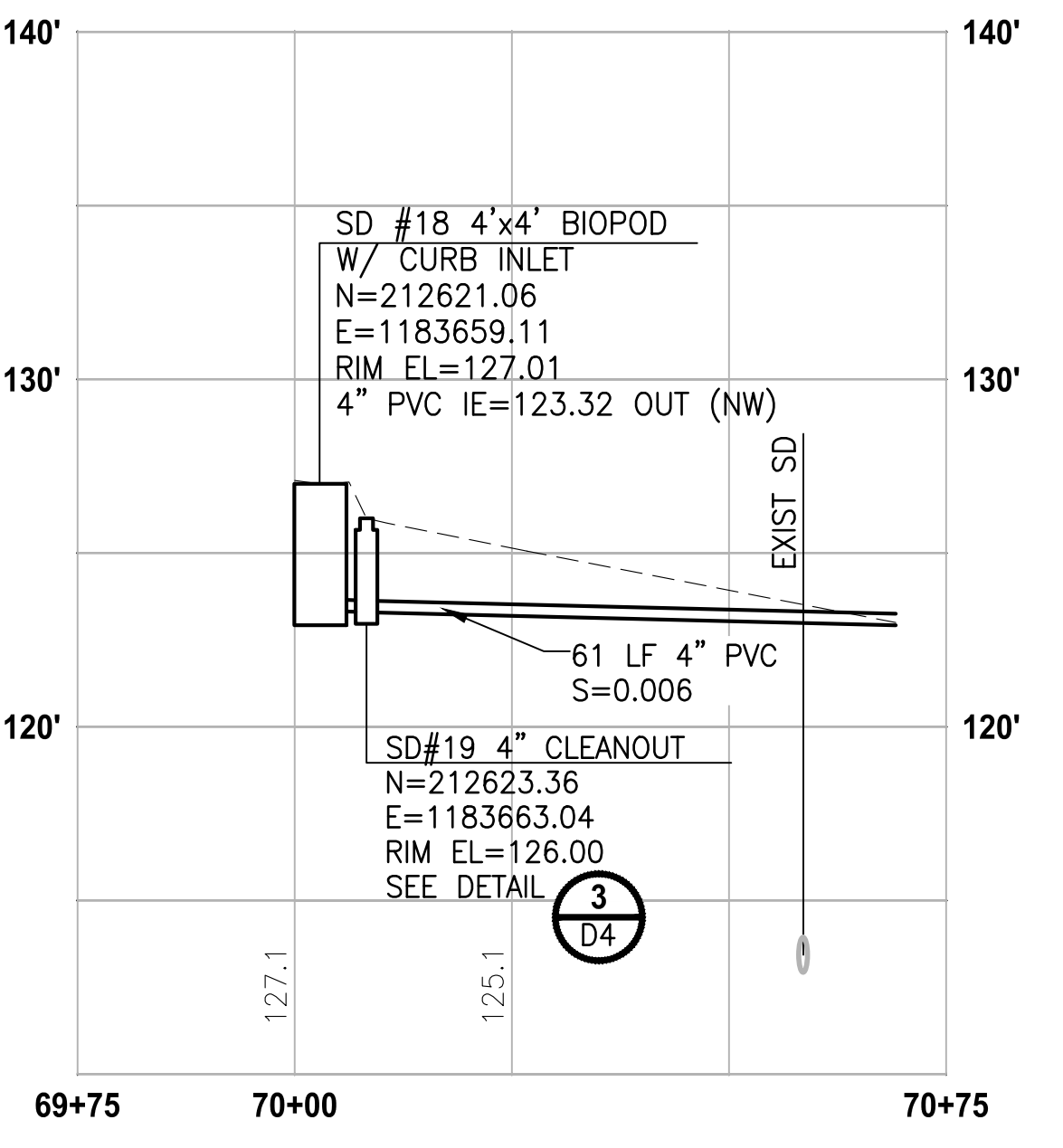
- CONSTRUCTION LEGEND:**
- CEMENT CONC. PEDESTRIAN CURB
 - CEMENT CONC. CURB AND GUTTER
 - CEMENT CONCRETE PAVEMENT
 - COMMERCIAL HMA
 - DETECTABLE WARNING SURFACE
 - HYDROSEED
 - QUARRY SPALL PAD
 - CSTC
 - COIR NET
 - SAWCUT
 - CLEARING AND GRUBBING
 - CATCH BASIN TYPE 1
 - CATCH BASIN TYPE 2
 - STORM SEWER PIPE
 - PLUG EXISTING PIPE
 - SIGN
 - STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00

- TRAFFIC CONTROL NOTES:**
1. CONTRACTOR SHALL DEVELOP, SUBMIT, AND IMPLEMENT A TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS 1-10.2(2)

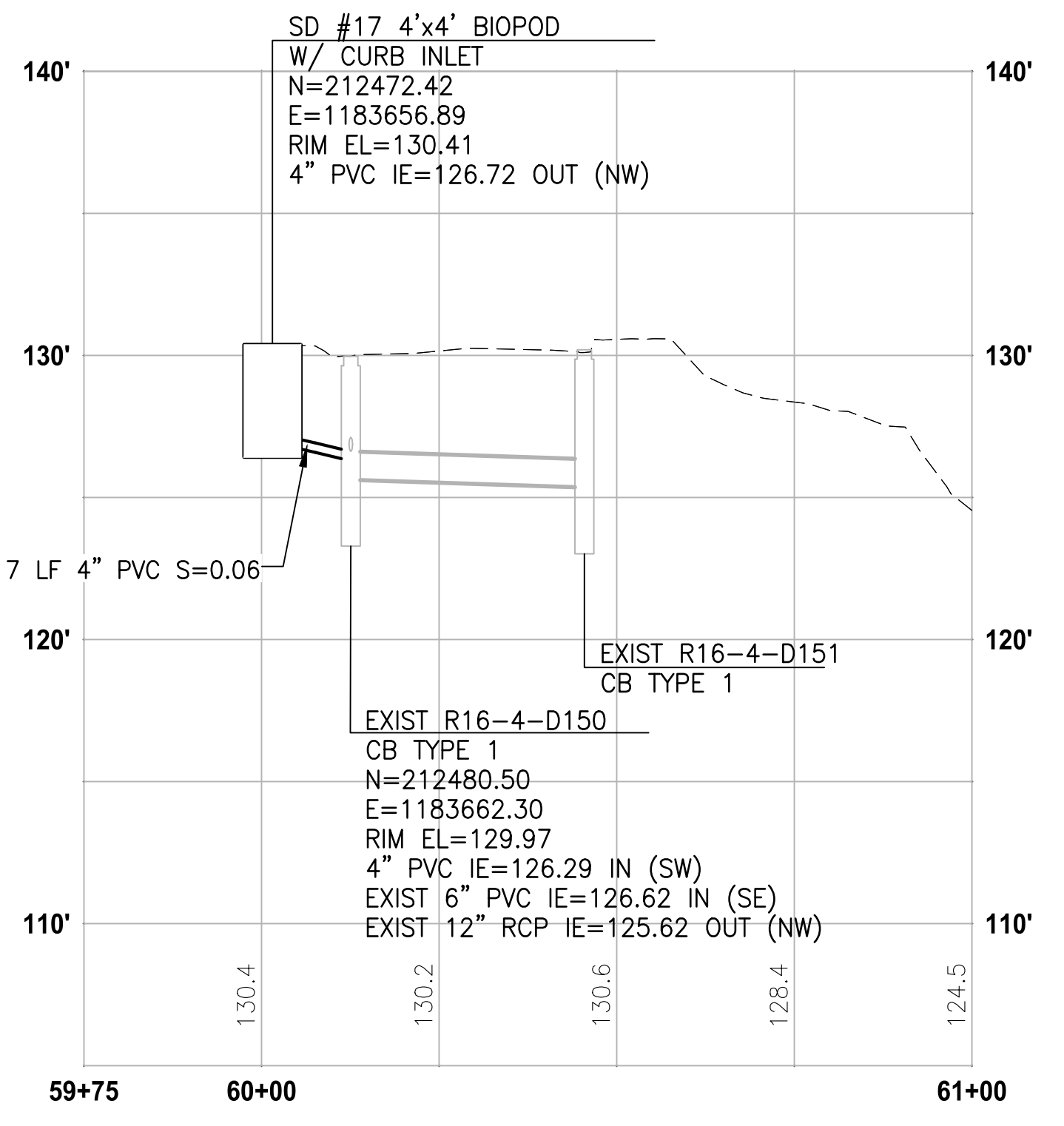
- KEY NOTES:**
- 1 CEMENT CONCRETE CURB & GUTTER PER COB STD DETAIL 3131, SEE SHEET D3
 - 2 SIDEWALK PER COB STD DETAIL 3101, SEE SHEET D3.
 - 3 TRENCH RESTORATION, SEE SHEET D3.
 - 4 CONNECT TO EXISTING PIPE PER WSDOT STD PLAN B-60.20-02
 - 5 STORMWATER BERM, SEE DETAIL
 - 6 4" TOPSOIL AND HYDROSEED.
 - 7 CURB DRAIN, SEE DETAIL
 - 8 EXTRUDED CURB TYPE 3 PER WSDOT STD PLAN F-10.42-00
 - 9 CEMENT CONCRETE PEDESTRIAN CURB TYPE C-2. PER COB STD DETAIL 3133, SEE DETAIL SHEET D3
 - 10 PROJECT SIGN, SEE DETAIL
 - 11 CONNECT TO EXISTING STRUCTURE.
 - 12 REPLACE VALVE BOX
 - 13 REMOVE CATCH BASIN
 - 14 QUARRY SPALL OUTLET/INLET PROTECTION, SEE DETAIL
 - 15 PLUG EXISTING PIPE
 - 16 VALLEY GUTTER, SEE DETAIL
 - 17 REMOVE SIDEWALK TO NEAREST JOINT OR AS DIRECTED BY ENGINEER
 - 18 CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
 - 19 CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03
 - 20 REPLACE FRAME AND LID/GRATE, SEE SPECIAL PROVISIONS
 - 21 REMOVE AND REINSTALL SIGN PER COB STD DETAIL 3251
 - 22 INSTALL COIR NET PER MANUFACTURER'S RECOMMENDATIONS
 - 23 ROLLED CURB TO CURB AND GUTTER TRANSITION, SEE DETAIL
 - 24 REPLACE WHEEL STOP, SEE SPECIAL PROVISIONS
 - 25 4" YELLOW/WHITE PAINT EDGE LINE
 - 26 RPM SKIP LINE PER COB STD 3262, SEE SHEET D3
 - 27 GRASS LINED DRAINAGE SWALE, SEE DETAIL
 - 28 TRASH RACK PER COB STD DETAIL 4041, SEE SHEET D3
 - 29 QUARRY SPALL LINED DRAINAGE DITCH, SEE DETAIL
 - 30 INSTALL BEEHIVE GRATE, SEE DETAIL
 - 31 INSTALL CATCH BASIN TYPE 1
 - 32 INSTALL CATCH BASIN TYPE 2
 - 33 INSTALL BIOPOD



STORM PROFILE F
HORIZ: 1"=20'
VERT: 1"=5'



STORM PROFILE G
HORIZ: 1"=20'
VERT: 1"=5'



STORM PROFILE H
HORIZ: 1"=20'
VERT: 1"=5'

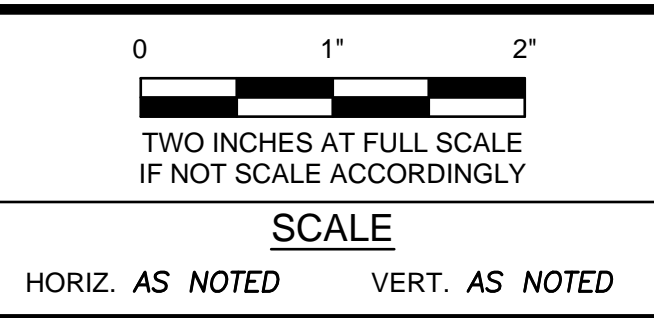
- GENERAL NOTES:**
1. SEE SHEETS D6 THROUGH D9 FOR BIOPOD DETAILS.
 2. ALL DRAINAGE STRUCTURES PER WSDOT STD PLANS, UNLESS OTHERWISE NOTED.
 3. ALL TYPE 2 CATCH BASINS SHALL BE PROVIDED WITH DECORATIVE STORM RIM AND COVER PER COB STD DETAIL 4022, UNLESS NOTED OTHERWISE.
 4. SET BIOPODS WITH ROUGH TERRAIN FORKLIFF OR EQUAL.
 5. COORDINATES ARE TO CENTER OF STRUCTURE.

BID SET



08/03/21

NO	REVISIONS	DATE	BY



FIELD BOOK	DRAWING NO.

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

Parametrix

DRAWN BY: C. ODEGARD
DATE: 07/26/2021

DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT
AUTO CENTER WAY AT BRUENN AVENUE
PLAN & PROFILE

DWG NO. C3
SHEET 8 OF 21
PN: 876

TRAFFIC CONTROL NOTES:

- CONTRACTOR SHALL DEVELOP, SUBMIT, AND IMPLEMENT A TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS 1-10.2(2)

CONSTRUCTION LEGEND:

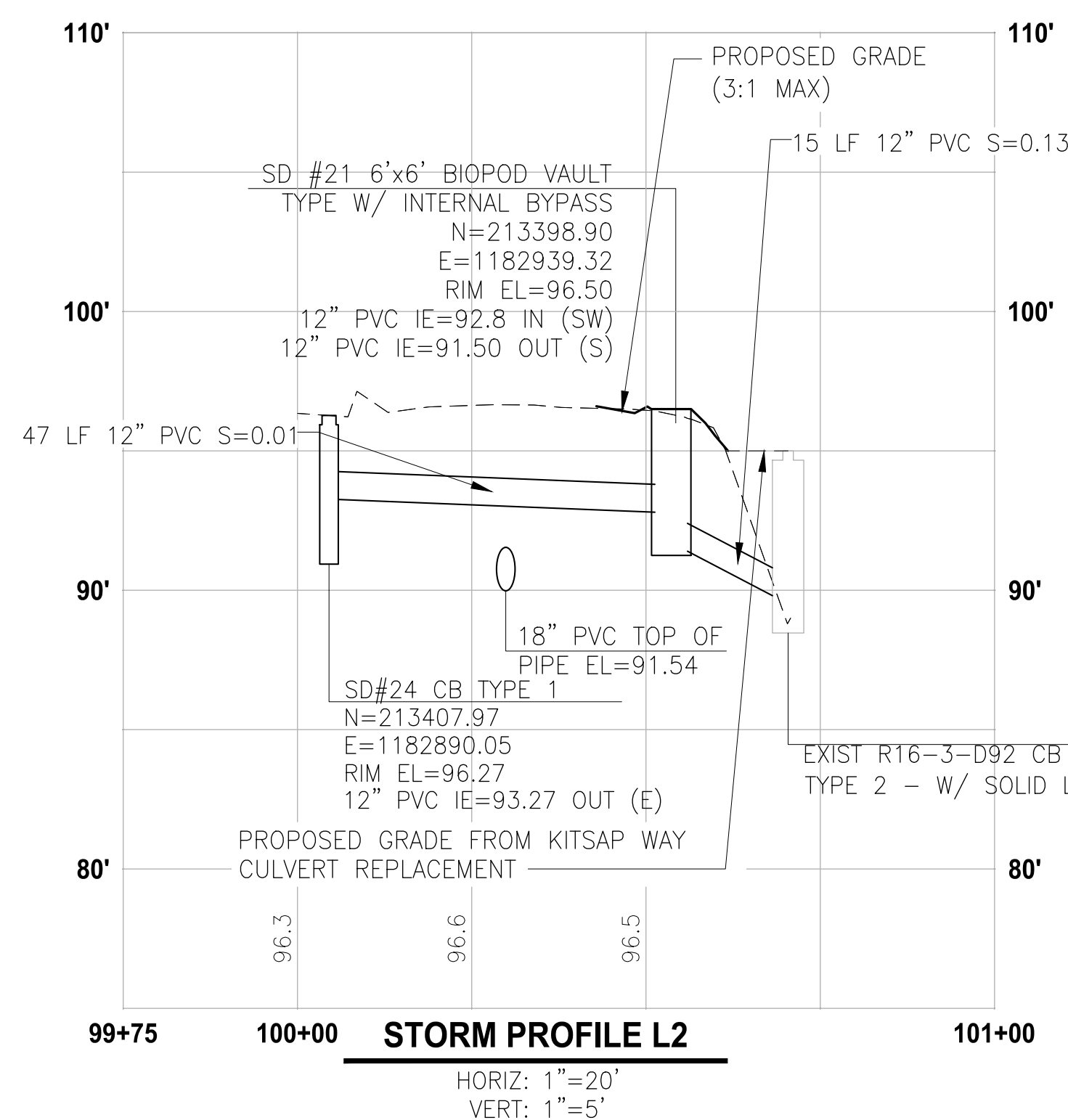
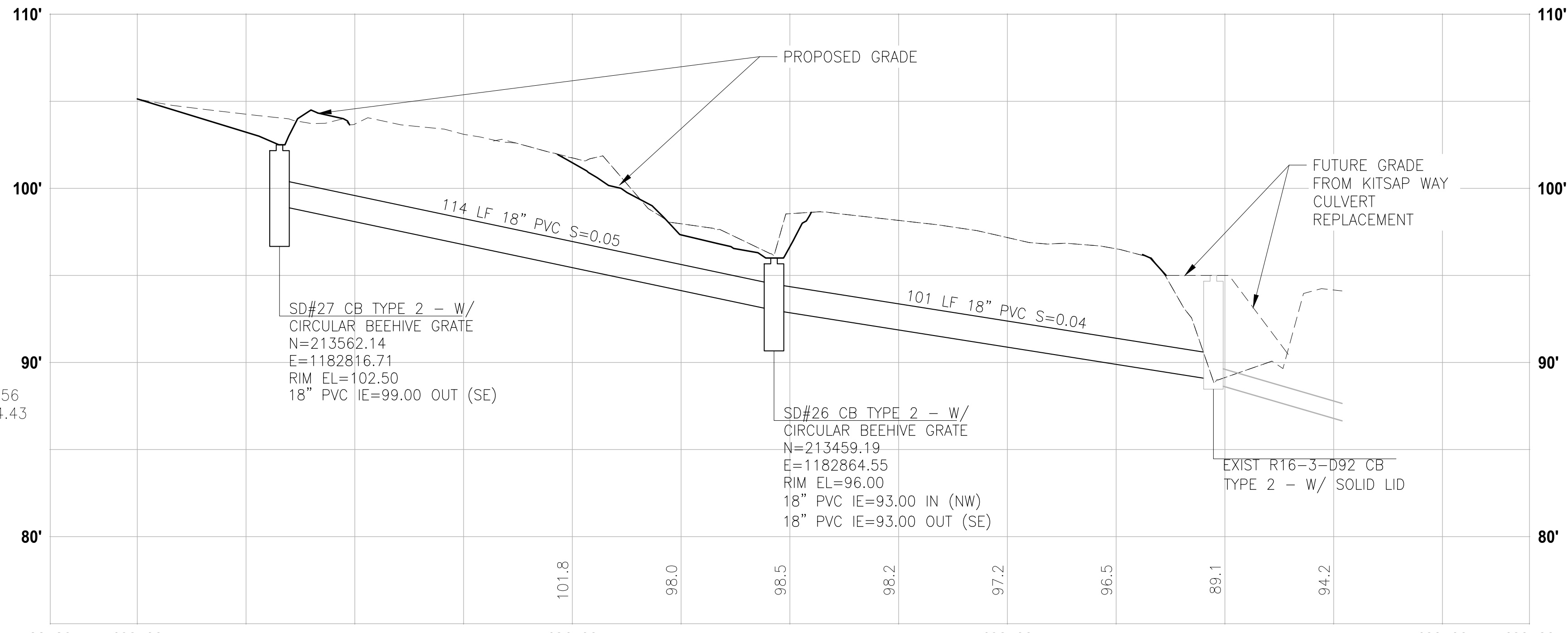
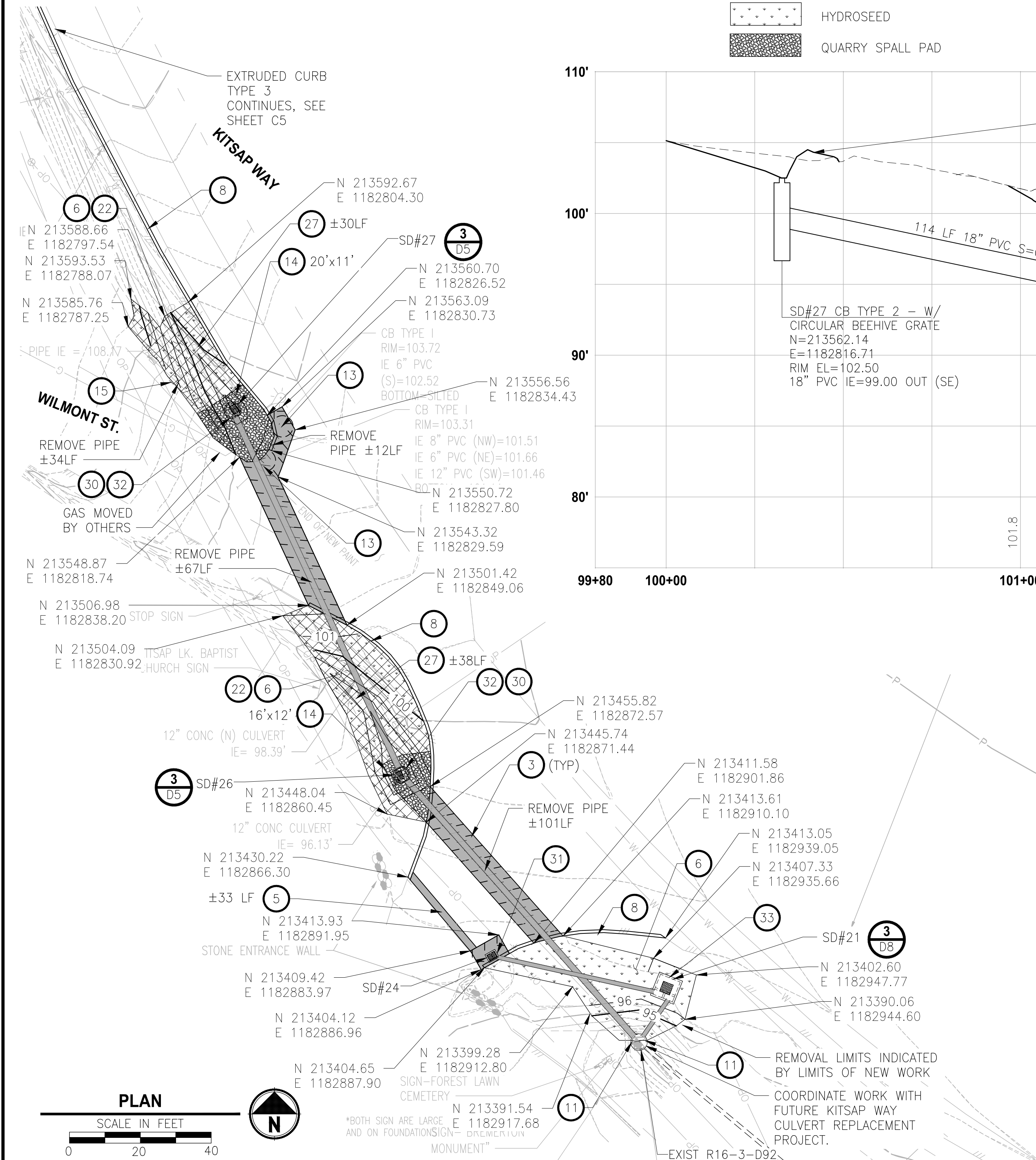
- CEMENT CONC. PEDESTRIAN CURB
- CEMENT CONC. CURB AND GUTTER
- CEMENT CONCRETE PAVEMENT
- HMA
- DETECTABLE WARNING SURFACE
- HYDROSEED
- QUARRY SPALL PAD
- CSTC
- COIR NET
- FLOW LINE
- REMOVE PIPE
- SAWCUT
- CLEARING AND GRUBBING
- CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM SEWER PIPE
- PLUG EXISTING PIPE
- SIGN
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN 1-40.20-00

KEY NOTES:

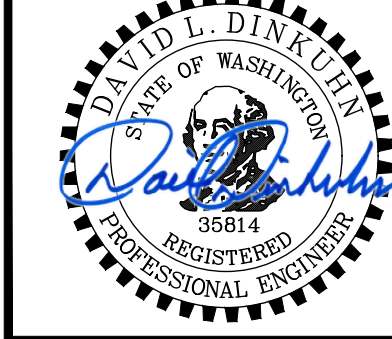
- CEMENT CONCRETE CURB & GUTTER PER COB STD DETAIL 3131, SEE SHEET D3
- SIDEWALK PER COB STD DETAIL 3101, SEE SHEET D3.
- TRENCH RESTORATION, SEE SHEET D3.
- CONNECT TO EXISTING PIPE PER WSDOT STD PLAN B-60.20-02
- STORMWATER BERM, SEE DETAIL
- 4" TOPSOIL AND HYDROSEED.
- CURB DRAIN, SEE DETAIL
- EXTRUDED CURB TYPE 3 PER WSDOT STD PLAN F-10.42-00
- CEMENT CONCRETE PEDESTRIAN CURB TYPE C-2. PER COB STD DETAIL 3133, SEE DETAIL SHEET D3
- PROJECT SIGN, SEE DETAIL
- CONNECT TO EXISTING STRUCTURE.
- REPLACE VALVE BOX
- REMOVE CATCH BASIN
- QUARRY SPALL OUTLET/INLET PROTECTION, SEE DETAIL
- PLUG EXISTING PIPE
- VALLEY GUTTER, SEE DETAIL
- REMOVE SIDEWALK TO NEAREST JOINT OR AS DIRECTED BY ENGINEER
- CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
- CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03
- REPLACE FRAME AND LID/GRATE, SEE SPECIAL PROVISIONS
- REMOVE AND REINSTALL SIGN PER COB STD DETAIL 3251
- INSTALL COIR NET PER MANUFACTURER'S RECOMMENDATIONS
- ROLLED CURB TO CURB AND GUTTER TRANSITION, SEE DETAIL
- REPLACE WHEEL STOP, SEE SPECIAL PROVISIONS
- 4" YELLOW/WHITE PAINT EDGE LINE
- RPM SKIP LINE PER COB STD 3262, SEE SHEET D3
- GRASS LINED DRAINAGE SWALE, SEE DETAIL
- TRASH RACK PER COB STD DETAIL 4041, SEE SHEET D3
- QUARRY SPALL LINED DRAINAGE DITCH, SEE DETAIL
- INSTALL BEEHIVE GRATE, SEE DETAIL
- INSTALL CATCH BASIN TYPE 1
- INSTALL CATCH BASIN TYPE 2
- INSTALL BIOPOD

GENERAL NOTES:

- SEE SHEETS D6 THROUGH D9 FOR BIOPOD DETAILS.
- ALL DRAINAGE STRUCTURES PER WSDOT STD PLANS, UNLESS OTHERWISE NOTED.
- ALL TYPE 2 CATCH BASINS SHALL BE PROVIDED WITH DECORATIVE STORM RIM AND COVER PER COB STD DETAIL 4022, UNLESS NOTED OTHERWISE.
- SET BIOPODS WITH ROUGH TERRAIN FORKLIFT OR EQUAL.
- COORDINATES ARE TO CENTER OF STRUCTURE.

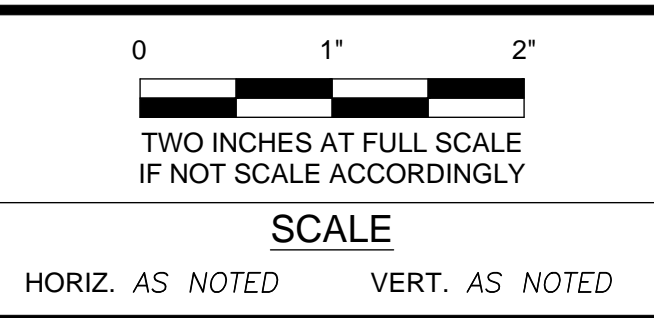


BID SET



REVISIONS

NO.	DESCRIPTION	DATE	BY



CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

Parametrix

DRAWN BY: C. ODEGARD
DATE: 07/26/2021

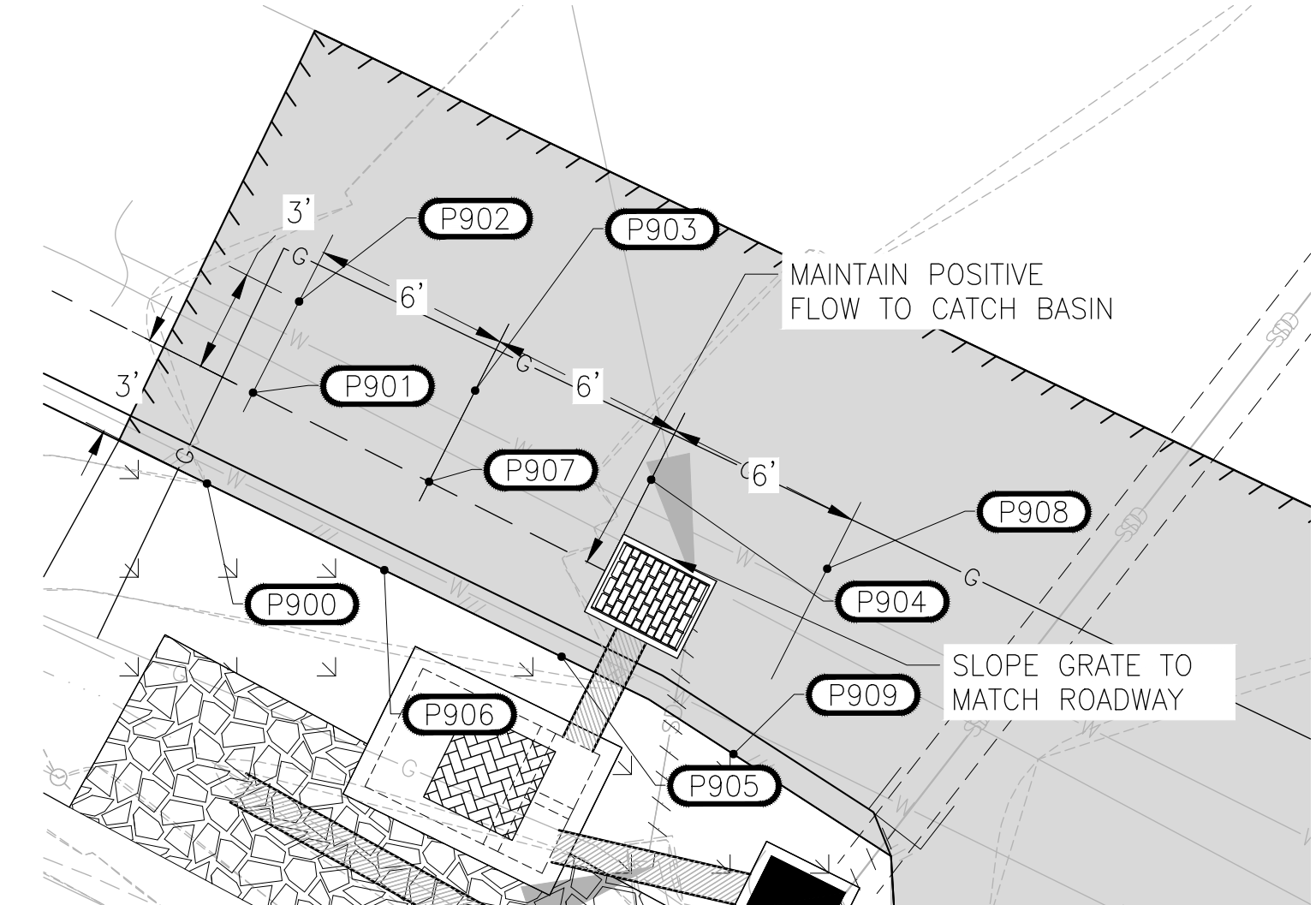
DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

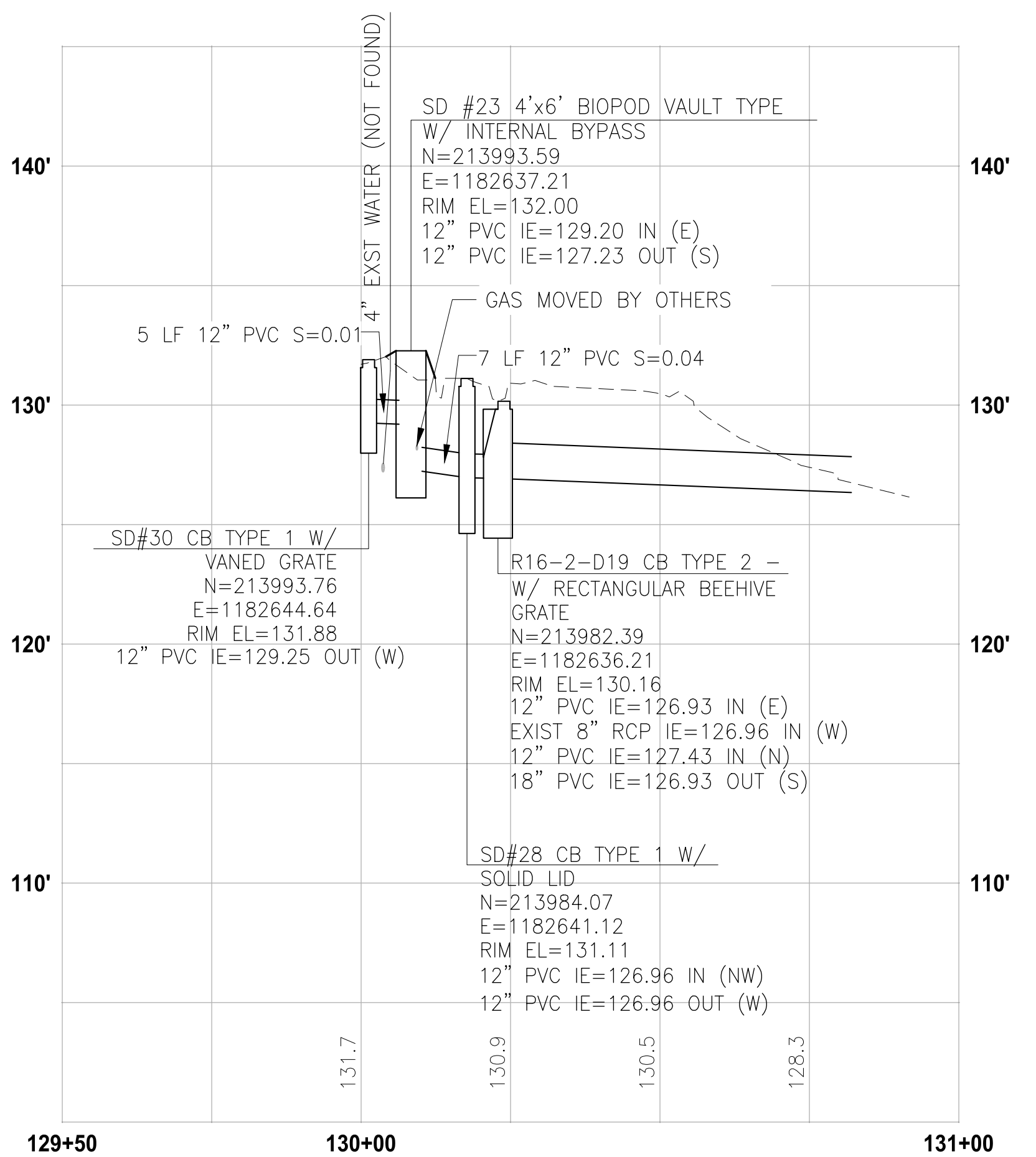
OSTRICH BAY CREEK STORMWATER TREATMENT
KITSAP WAY AT MONTVIEW DRIVE
PLAN & PROFILE

DWG NO. **C4**
SHEET 9 OF 21
PN: 876

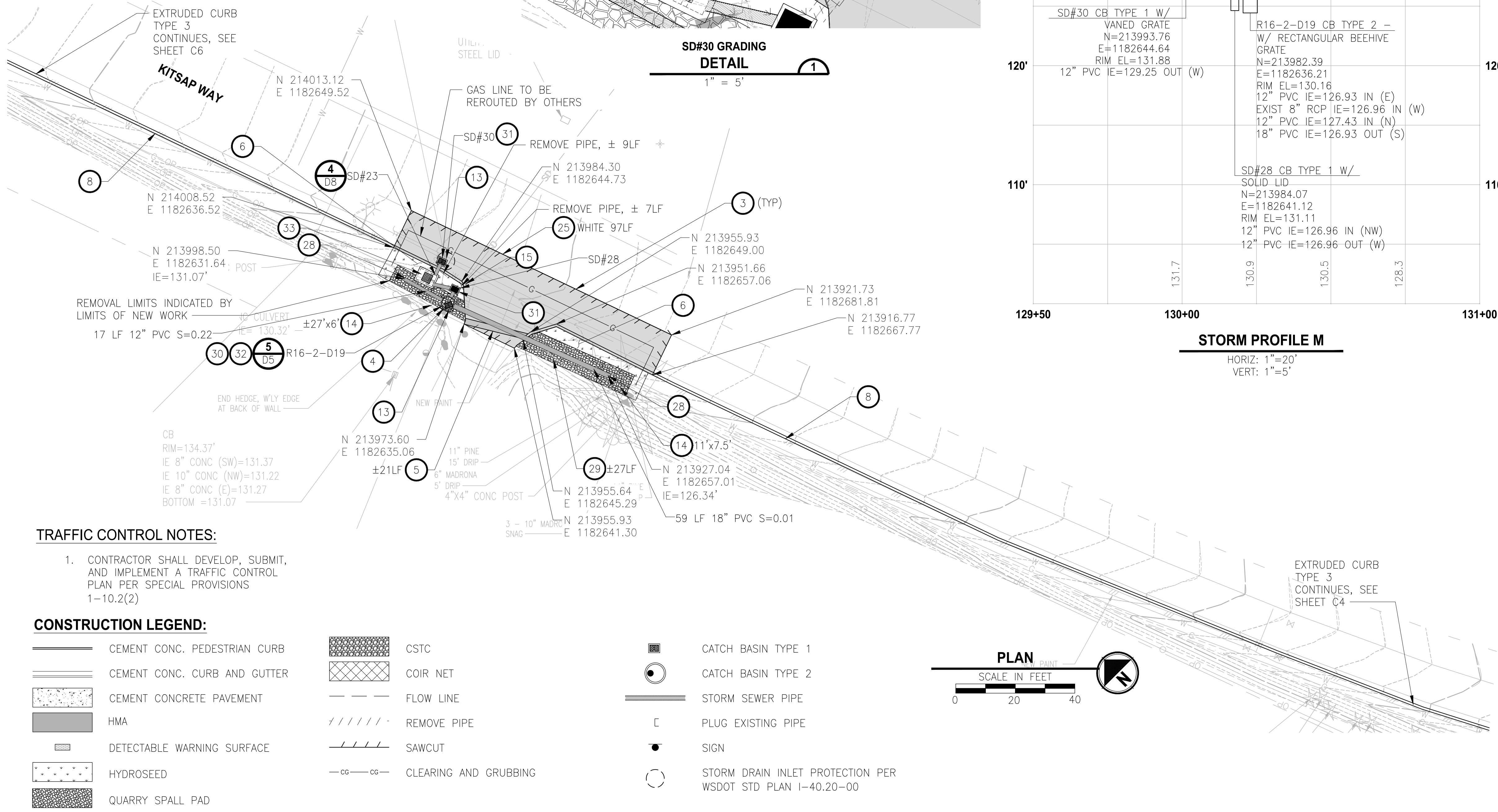
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POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
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P901	214006.66	1182640.41	132.71	FL, TA
P902	214007.63	1182643.36	132.87	TA
P903	214001.93	1182645.23	132.48	TA
P904	213996.23	1182647.10	131.98	TA
P905	213994.35	1182641.36	131.98	TA
P906	214000.02	1182639.41	132.48	TA
P907	214000.96	1182642.28	132.32	FL, TA
P908	213990.53	1182648.97	131.64	TA
P909	213988.56	1182642.97	131.74	TA



SD#30 GRADING DETAIL
1" = 5'



STORM PROFILE M
HORIZ: 1"=20'
VERT: 1"=5'



- KEY NOTES:**
- CEMENT CONCRETE CURB & GUTTER PER COB STD DETAIL 3131, SEE SHEET D3
 - SIDEWALK PER COB STD DETAIL 3101, SEE SHEET D3.
 - TRENCH RESTORATION, SEE SHEET D3.
 - CONNECT TO EXISTING PIPE PER WSDOT STD PLAN B-60.20-02
 - STORMWATER BERM, SEE DETAIL 4/D4
 - 4" TOPSOIL AND HYDROSEED.
 - CURB DRAIN, SEE DETAIL 1/D4
 - EXTRUDED CURB TYPE 3 PER WSDOT STD PLAN F-10.42-00
 - CEMENT CONCRETE PEDESTRIAN CURB TYPE C-2. PER COB STD DETAIL 3133, SEE DETAIL SHEET D3
 - PROJECT SIGN, SEE DETAIL 2/D4
 - CONNECT TO EXISTING STRUCTURE.
 - REPLACE VALVE BOX
 - REMOVE CATCH BASIN
 - QUARRY SPALL OUTLET/INLET PROTECTION, SEE DETAIL 5/D4
 - PLUG EXISTING PIPE
 - VALLEY GUTTER, SEE DETAIL 2/D5
 - REMOVE SIDEWALK TO NEAREST JOINT OR AS DIRECTED BY ENGINEER
 - CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
 - CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03
 - REPLACE FRAME AND LID/GRATE, SEE SPECIAL PROVISIONS
 - REMOVE AND REINSTALL SIGN PER COB STD DETAIL 3251
 - INSTALL COIR NET PER MANUFACTURER'S RECOMMENDATIONS
 - ROLLED CURB TO CURB AND GUTTER TRANSITION, SEE DETAIL 6/D4
 - REPLACE WHEEL STOP, SEE SPECIAL PROVISIONS
 - 4" YELLOW/WHITE PAINT EDGE LINE
 - RPM SKIP LINE PER COB STD 3262, SEE SHEET D3
 - GRASS LINED DRAINAGE SWALE, SEE DETAIL 4/D5
 - TRASH RACK PER COB STD DETAIL 4041, SEE SHEET D3
 - QUARRY SPALL LINED DRAINAGE DITCH, SEE DETAIL 6/D5
 - INSTALL BEEHIVE GRATE, SEE DETAIL 3/D5
 - INSTALL CATCH BASIN TYPE 1
 - INSTALL CATCH BASIN TYPE 2
 - INSTALL BIOPOD

TRAFFIC CONTROL NOTES:

- CONTRACTOR SHALL DEVELOP, SUBMIT, AND IMPLEMENT A TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS 1-10.2(2)

CONSTRUCTION LEGEND:

	CEMENT CONC. PEDESTRIAN CURB		CSTC		CATCH BASIN TYPE 1
	CEMENT CONC. CURB AND GUTTER		COIR NET		CATCH BASIN TYPE 2
	CEMENT CONCRETE PAVEMENT		FLOW LINE		PLUG EXISTING PIPE
	HMA		REMOVE PIPE		SIGN
	DETECTABLE WARNING SURFACE		SAWCUT		STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00
	HYDROSEED		CLEARING AND GRUBBING		
	QUARRY SPALL PAD				



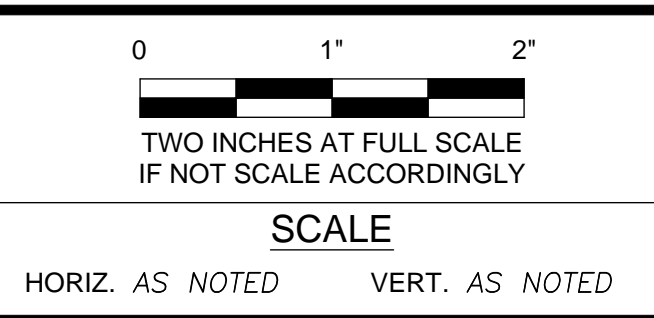
- GENERAL NOTES:**
- SEE SHEETS D6 THROUGH D9 FOR BIOPOD DETAILS.
 - ALL DRAINAGE STRUCTURES PER WSDOT STD PLANS, UNLESS OTHERWISE NOTED.
 - ALL TYPE 2 CATCH BASINS SHALL BE PROVIDED WITH DECORATIVE STORM RIM AND COVER PER COB STD DETAIL 4022, UNLESS NOTED OTHERWISE.
 - SET BIOPODS WITH ROUGH TERRAIN FORKLIFT OR EQUAL.
 - COORDINATES ARE TO CENTER OF STRUCTURE.

BID SET



08/03/21

NO	REVISIONS DESCRIPTION	DATE	BY



FIELD BOOK		CITY OF BREMERTON
DRAWING NO.	DRAWN BY: C. ODEGARD	DESIGN BY: D. DINKUHN
	DATE: 07/26/2021	WASH. P.E. #35814 DATE: 07/26/21
	CHECKED BY: J. WRIGHT	WASH. P.E. #48258 DATE: 07/10/21

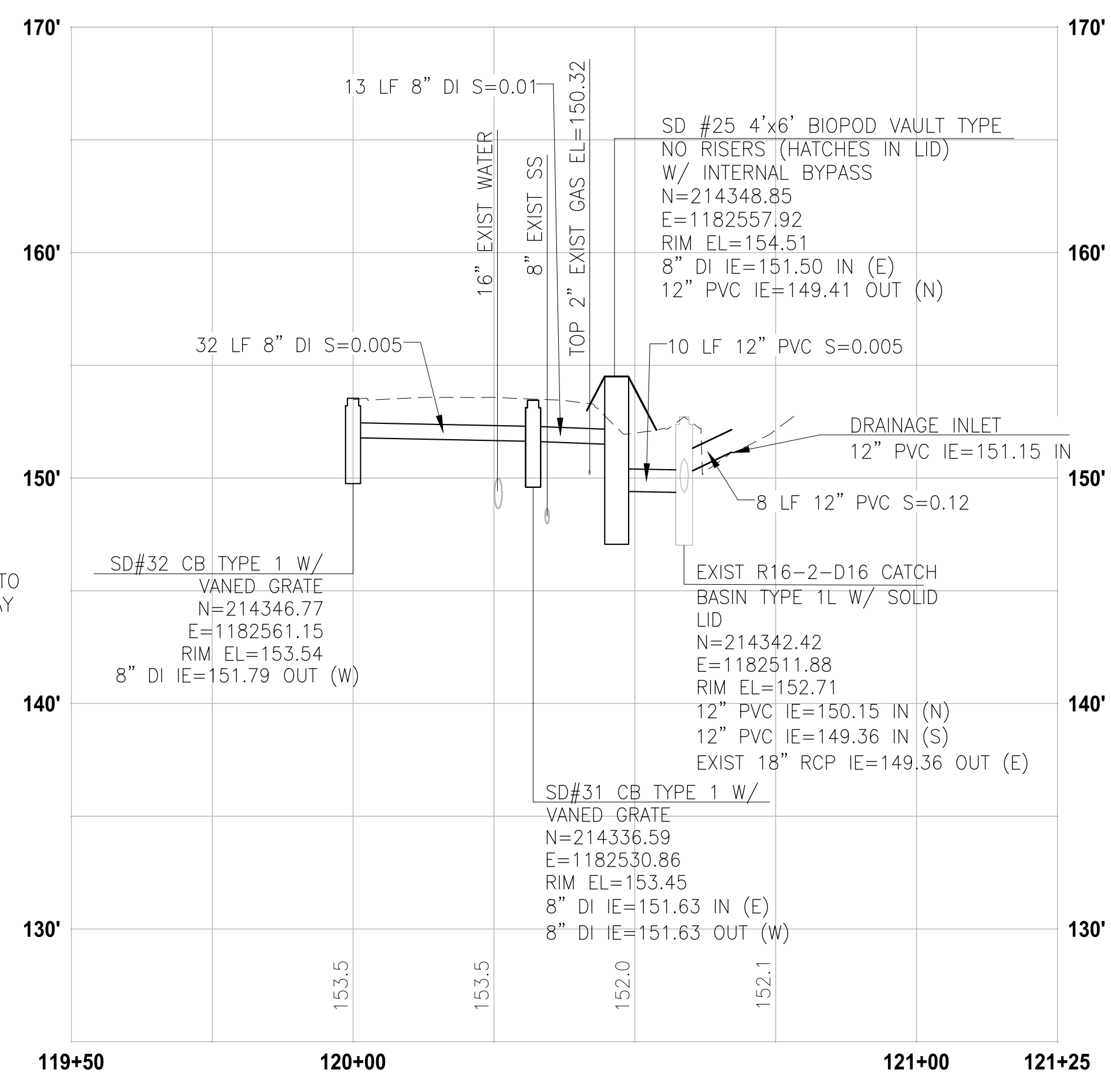
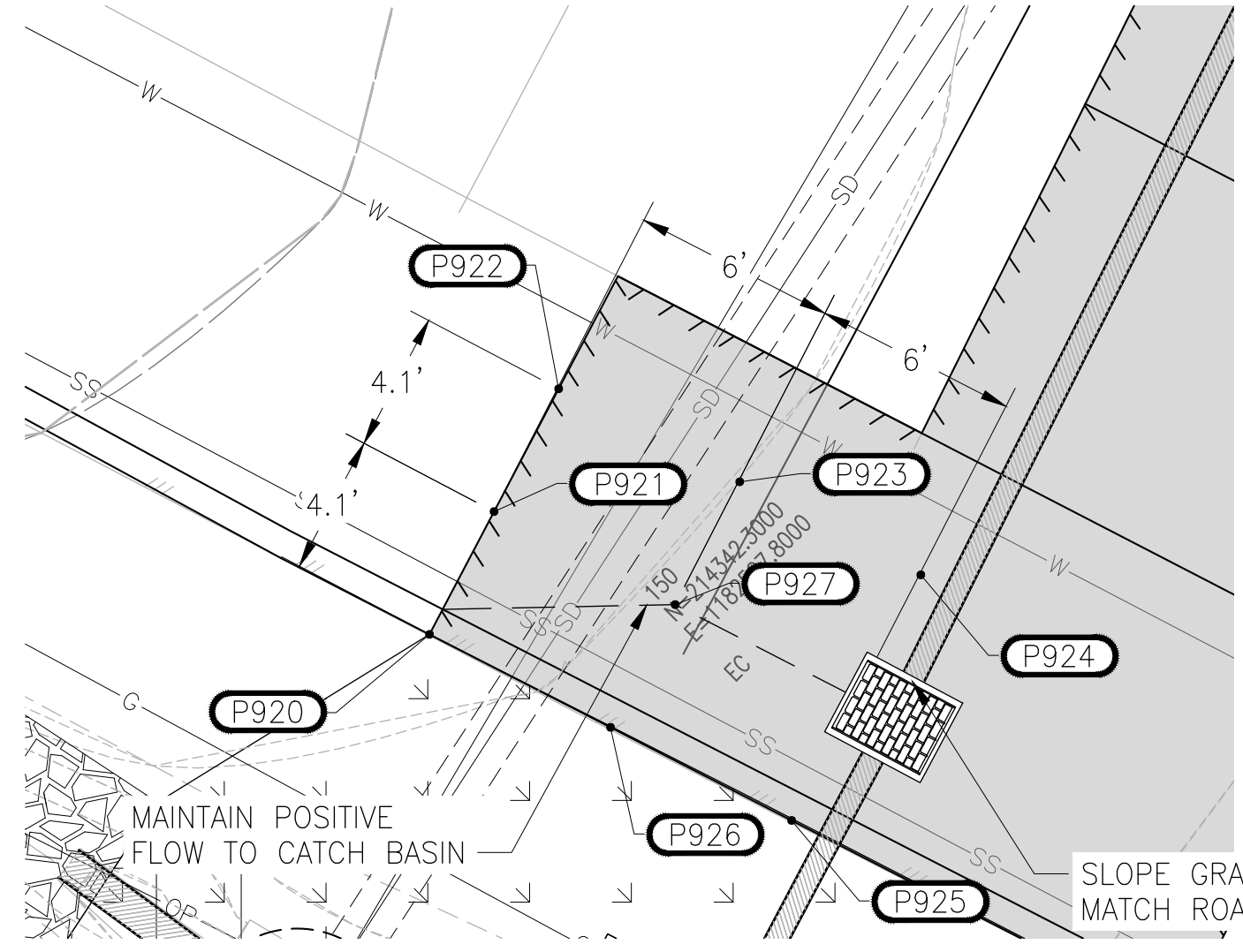
PARAMETRIX

OSTRICH BAY CREEK STORMWATER TREATMENT
KITSAP WAY (SOUTH)
PLAN & PROFILE

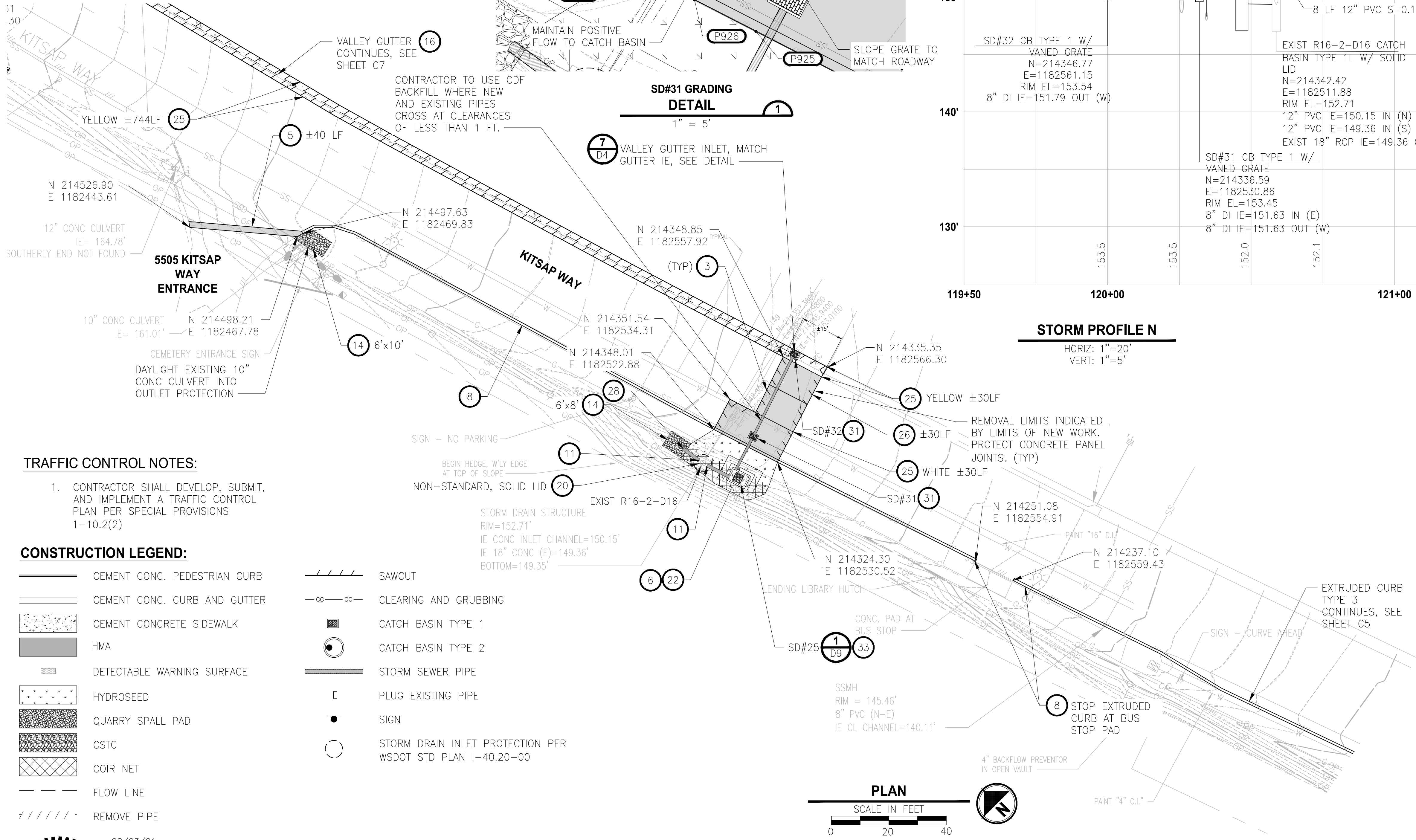
DWG NO.	C5
SHEET	10
OF	21
PN: 876	

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POINT TABLE				
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P920	214348.00	1182522.91	154.20	EX, TA
P921	214349.21	1182526.82	154.34	EX, FL, TA
P922	214350.43	1182530.73	154.40	EX, TA
P923	214344.71	1182532.56	153.99	TA
P924	214339.00	1182534.40	153.55	TA
P925	214336.57	1182526.58	153.55	TA
P926	214342.28	1182524.75	153.99	TA
P927	214343.50	1182528.65	153.83	FL, TA



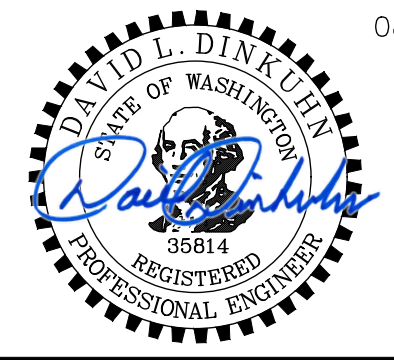
- KEY NOTES:**
- CEMENT CONCRETE CURB & GUTTER PER COB STD DETAIL 3131, SEE SHEET D3
 - SIDEWALK PER COB STD DETAIL 3101, SEE SHEET D3.
 - TRENCH RESTORATION, SEE SHEET D3.
 - CONNECT TO EXISTING PIPE PER WSDOT STD PLAN B-60.20-02
 - STORMWATER BERM, SEE DETAIL 4 D4
 - 4" TOPSOIL AND HYDROSEED.
 - CURB DRAIN, SEE DETAIL 1 D4
 - EXTRUDED CURB TYPE 3 PER WSDOT STD PLAN F-10.42-00
 - CEMENT CONCRETE PEDESTRIAN CURB TYPE C-2. PER COB STD DETAIL 3133, SEE DETAIL SHEET D3
 - PROJECT SIGN, SEE DETAIL 2 D4
 - CONNECT TO EXISTING STRUCTURE.
 - REPLACE VALVE BOX
 - REMOVE CATCH BASIN
 - QUARRY SPALL OUTLET/INLET PROTECTION, SEE DETAIL 5 D4
 - PLUG EXISTING PIPE
 - VALLEY GUTTER, SEE DETAIL 2 D5
 - REMOVE SIDEWALK TO NEAREST JOINT OR AS DIRECTED BY ENGINEER
 - CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
 - CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03
 - REPLACE FRAME AND LID/GRATE, SEE SPECIAL PROVISIONS
 - REMOVE AND REINSTALL SIGN PER COB STD DETAIL 3251
 - INSTALL COIR NET PER MANUFACTURER'S RECOMMENDATIONS
 - ROLLED CURB TO CURB AND GUTTER TRANSITION, SEE DETAIL 6 D4
 - REPLACE WHEEL STOP, SEE SPECIAL PROVISIONS
 - 4" YELLOW/WHITE PAINT EDGE LINE
 - RPM SKIP LINE PER COB STD 3262, SEE SHEET D3
 - GRASS LINED DRAINAGE SWALE, SEE DETAIL 4 D5
 - TRASH RACK PER COB STD DETAIL 4041, SEE SHEET D3
 - QUARRY SPALL LINED DRAINAGE DITCH, SEE DETAIL 6 D5
 - INSTALL BEEHIVE GRATE, SEE DETAIL 3 D5
 - INSTALL CATCH BASIN TYPE 1
 - INSTALL CATCH BASIN TYPE 2
 - INSTALL BIOPOD



- TRAFFIC CONTROL NOTES:**
- CONTRACTOR SHALL DEVELOP, SUBMIT, AND IMPLEMENT A TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS 1-10.2(2)

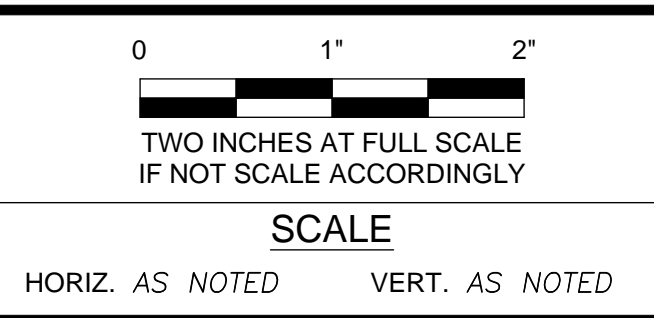
CONSTRUCTION LEGEND:

- | | | | |
|--|------------------------------|--|--|
| | CEMENT CONC. PEDESTRIAN CURB | | SAWCUT |
| | CEMENT CONC. CURB AND GUTTER | | CLEARING AND GRUBBING |
| | CEMENT CONCRETE SIDEWALK | | CATCH BASIN TYPE 1 |
| | HMA | | CATCH BASIN TYPE 2 |
| | DETECTABLE WARNING SURFACE | | STORM SEWER PIPE |
| | HYDROSEED | | PLUG EXISTING PIPE |
| | QUARRY SPALL PAD | | SIGN |
| | CSTC | | STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN I-40.20-00 |
| | COIR NET | | |
| | FLOW LINE | | |
| | REMOVE PIPE | | |



08/03/21

REVISIONS			
NO	DESCRIPTION	DATE	BY



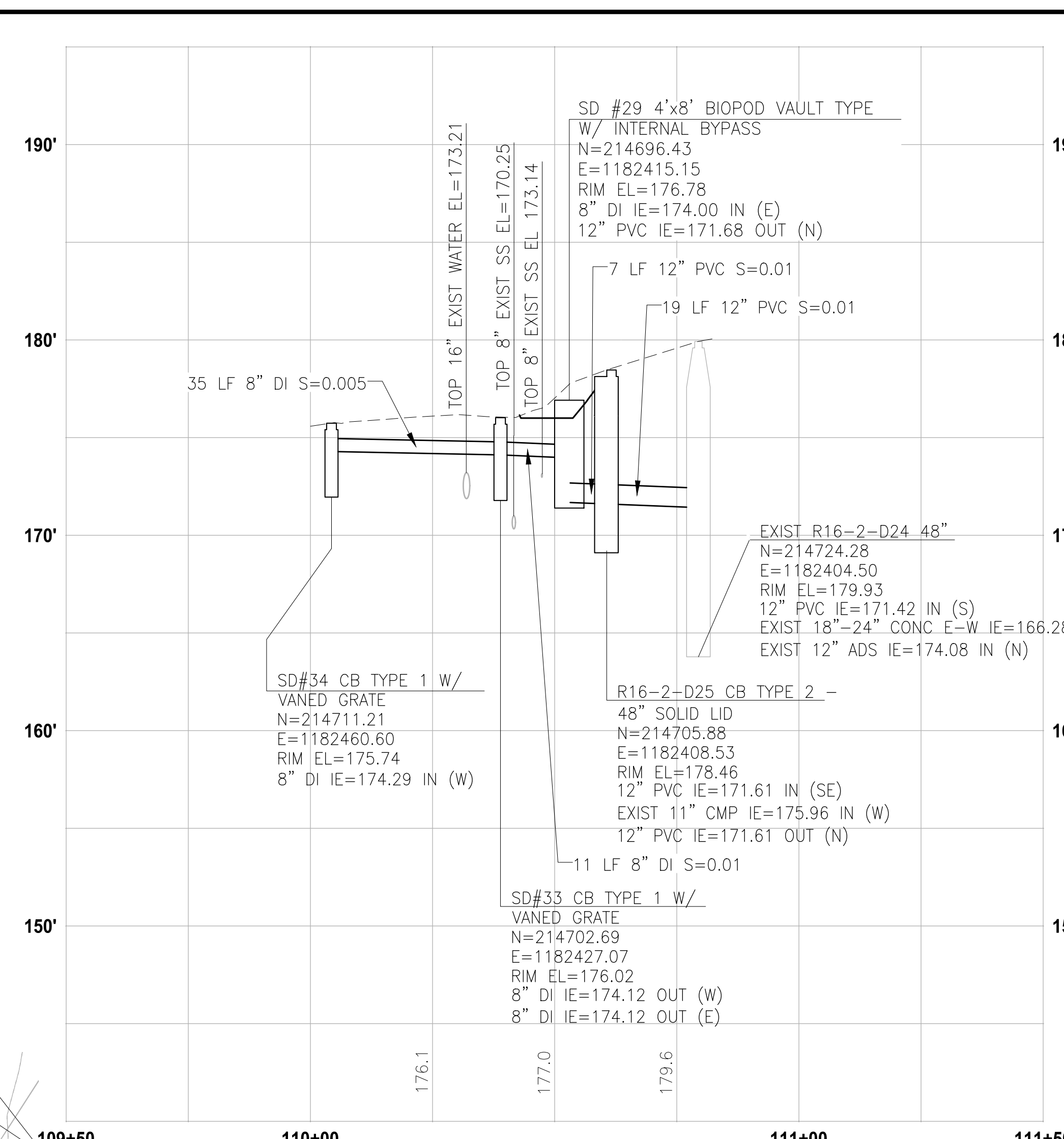
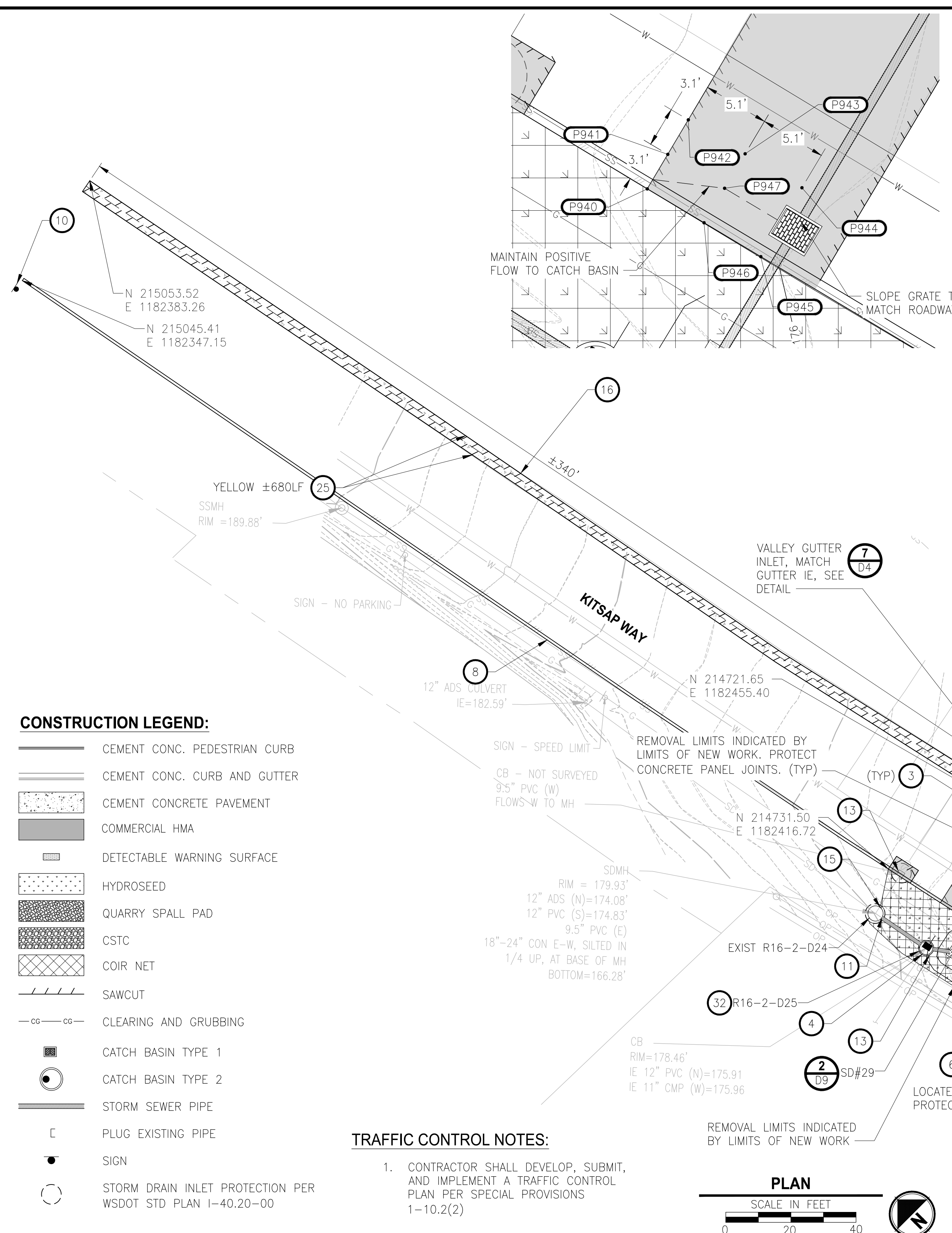
FIELD BOOK	
DRAWING NO.	
DRAWN BY: C. ODEGARD	DATE: 07/26/2021

CITY OF BREMERTON DEPARTMENT OF PUBLIC WORKS & UTILITIES ENGINEERING DIVISION		
DESIGN BY: D. DINKUHN	WASH. P.E. #35814	DATE: 07/26/21
CHECKED BY: J. WRIGHT	WASH. P.E. #48258	DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT KITSAP WAY (MIDDLE) PLAN & PROFILE		DWG NO. C6 SHEET 11 OF 21
		P.N.: 876

FILE: P:\1816173-C01 LAYOUT: C06 LAYOUT: C06 PA TH: U:\PSD\Projects\Clients\1816-CityOfBremerton\33-1816-173-OstrichBayCreekStormW\985\cs\CADD\DWG PLOTTED BY: Odegard, August 2, 2021 3:42:07 PM DATE: Monday, August 2, 2021 3:42:07 PM

FILE: P:\18186173-C01 LAYOUT1.cdw
 PLOT DATE: 08/03/21 3:42:22 PM
 PLOTTED BY: Odegaard
 DATE: Monday, August 2, 2021 3:42:22 PM
 PROJECT: OSTRICH BAY CREEK STORMWATER TREATMENT
 DRAWING: KITSAP WAY (NORTH) PLAN & PROFILE

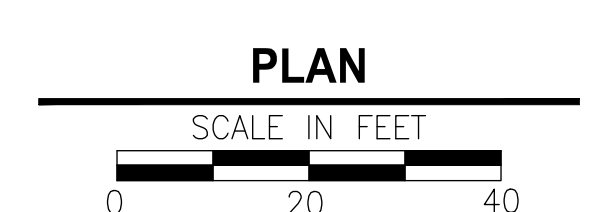


CONSTRUCTION LEGEND:

- CEMENT CONC. PEDESTRIAN CURB
- CEMENT CONC. CURB AND GUTTER
- CEMENT CONCRETE PAVEMENT
- COMMERCIAL HMA
- DETECTABLE WARNING SURFACE
- HYDROSEED
- QUARRY SPALL PAD
- CSTC
- COIR NET
- SAWCUT
- CLEARING AND GRUBBING
- CATCH BASIN TYPE 1
- CATCH BASIN TYPE 2
- STORM SEWER PIPE
- PLUG EXISTING PIPE
- SIGN
- STORM DRAIN INLET PROTECTION PER WSDOT STD PLAN 1-40.20-00

TRAFFIC CONTROL NOTES:

1. CONTRACTOR SHALL DEVELOP, SUBMIT, AND IMPLEMENT A TRAFFIC CONTROL PLAN PER SPECIAL PROVISIONS 1-10.2(2)



STORM PROFILE P

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

POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P940	214712.99	1182421.29	176.71	EX, TA
P941	214713.75	1182424.28	176.73	EX, TA
P942	214714.51	1182427.27	176.76	EX, TA
P943	214709.58	1182428.51	176.49	TA
P944	214704.65	1182429.75	176.08	TA
P945	214703.14	1182423.78	176.08	TA
P946	214708.07	1182422.53	176.49	TA
P947	214708.82	1182425.52	176.43	FL, TA

KEY NOTES:

- 1 CEMENT CONCRETE CURB & GUTTER PER COB STD DETAIL 3131, SEE SHEET D3
- 2 SIDEWALK PER COB STD DETAIL 3101, SEE SHEET D3.
- 3 TRENCH RESTORATION, SEE SHEET D3.
- 4 CONNECT TO EXISTING PIPE PER WSDOT STD PLAN B-60.20-02
- 5 STORMWATER BERM, SEE DETAIL **4** D4
- 6 4" TOPSOIL AND HYDROSEED.
- 7 CURB DRAIN, SEE DETAIL **1** D4
- 8 EXTRUDED CURB TYPE 3 PER WSDOT STD PLAN F-10.42-00
- 9 CEMENT CONCRETE PEDESTRIAN CURB TYPE C-2. PER COB STD DETAIL 3133, SEE DETAIL SHEET D3
- 10 PROJECT SIGN, SEE DETAIL **2** D4
- 11 CONNECT TO EXISTING STRUCTURE.
- 12 REPLACE VALVE BOX
- 13 REMOVE CATCH BASIN
- 14 QUARRY SPALL OUTLET/INLET PROTECTION, SEE DETAIL **5** D4
- 15 PLUG EXISTING PIPE
- 16 VALLEY GUTTER, SEE DETAIL **2** D5
- 17 REMOVE SIDEWALK TO NEAREST JOINT OR AS DIRECTED BY ENGINEER
- 18 CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03
- 19 CURB RAMP TYPE PARALLEL B PER WSDOT STD PLAN F-40.12-03
- 20 REPLACE FRAME AND LID/GRATE, SEE SPECIAL PROVISIONS
- 21 REMOVE AND REINSTALL SIGN PER COB STD DETAIL 3251
- 22 INSTALL COIR NET PER MANUFACTURER'S RECOMMENDATIONS
- 23 ROLLED CURB TO CURB AND GUTTER TRANSITION, SEE DETAIL **6** D4
- 24 REPLACE WHEEL STOP, SEE SPECIAL PROVISIONS
- 25 4" YELLOW/WHITE PAINT EDGE LINE
- 26 RPM SKIP LINE PER COB STD 3262, SEE SHEET D3
- 27 GRASS LINED DRAINAGE SWALE, SEE DETAIL **4** D5
- 28 TRASH RACK PER COB STD DETAIL 4041, SEE SHEET D3
- 29 QUARRY SPALL LINED DRAINAGE DITCH, SEE DETAIL **6** D5
- 30 INSTALL BEEHIVE GRATE, SEE DETAIL **3** D5 **5** D5
- 31 INSTALL CATCH BASIN TYPE 1
- 32 INSTALL CATCH BASIN TYPE 2
- 33 INSTALL BIOPOD

GENERAL NOTES:

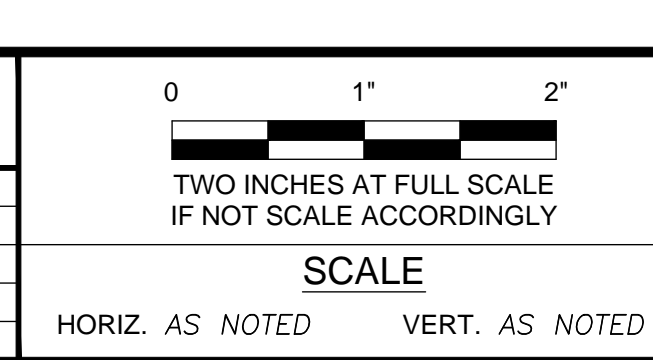
1. SEE SHEETS D6 THROUGH D9 FOR BIOPOD DETAILS.
2. ALL DRAINAGE STRUCTURES PER WSDOT STD PLANS, UNLESS OTHERWISE NOTED.
3. ALL TYPE 2 CATCH BASINS SHALL BE PROVIDED WITH DECORATIVE STORM RIM AND COVER PER COB STD DETAIL 4022, UNLESS NOTED OTHERWISE.
4. SET BIOPODS WITH ROUGH TERRAIN FORKLIFT OR EQUAL.
5. COORDINATES ARE TO CENTER OF STRUCTURE.

BID SET



08/03/21

NO.	REVISIONS DESCRIPTION	DATE	BY

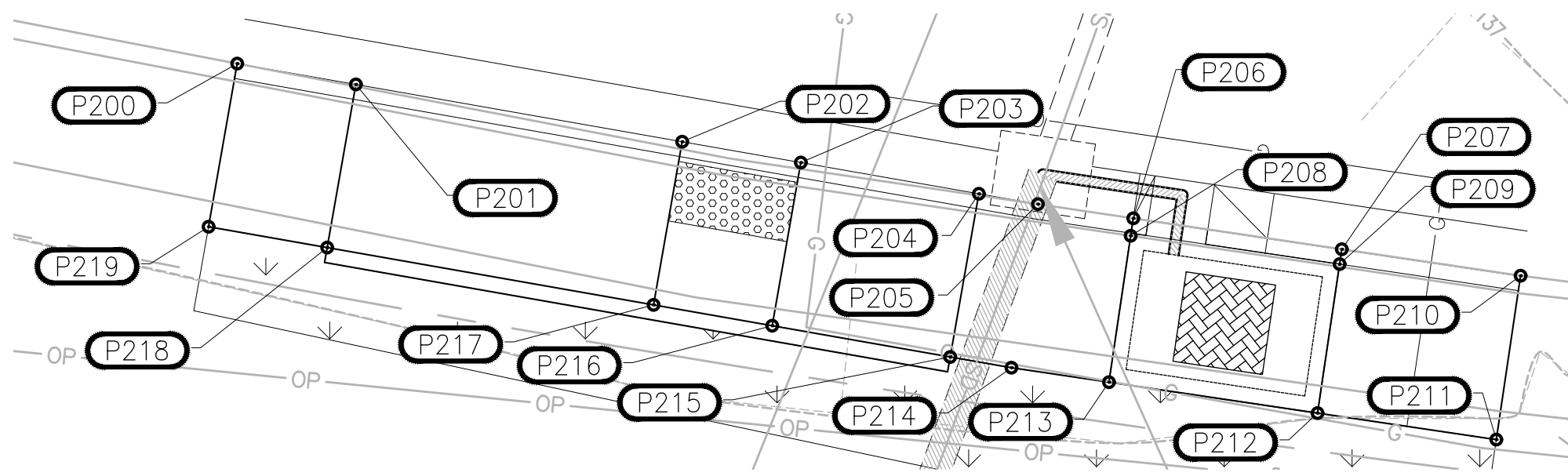


FIELD BOOK	
DRAWING NO.	
DRAWN BY: C. ODEGARD	
DATE: 07/26/2021	

CITY OF BREMERTON		
DEPARTMENT OF PUBLIC WORKS & UTILITIES		
ENGINEERING DIVISION		
DESIGN BY: D. DINKUHN	CHECKED BY: J. WRIGHT	
WASH. P.E. #35814 DATE: 07/26/21	WASH. P.E. #48258 DATE: 07/10/21	

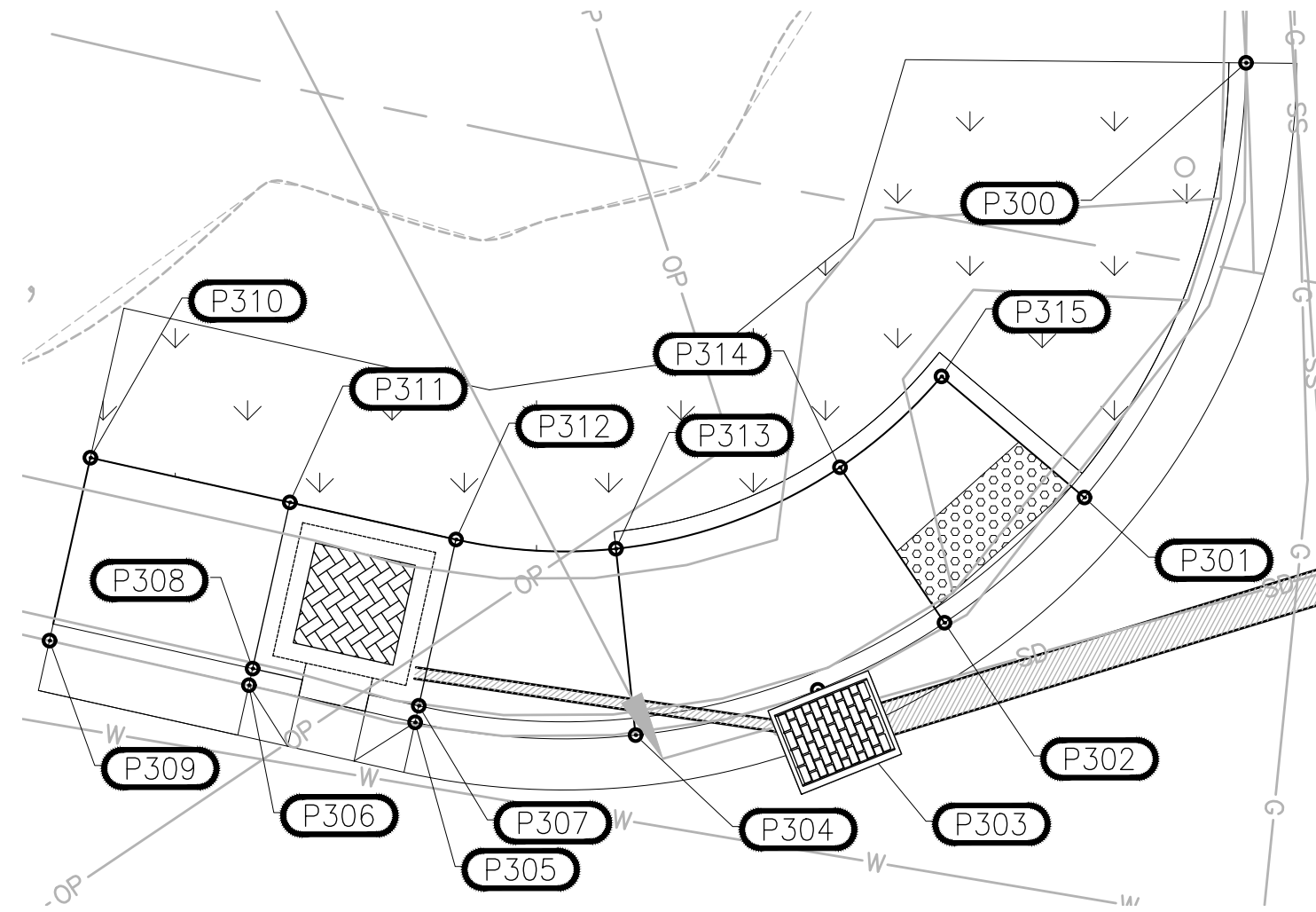
OSTRICH BAY CREEK STORMWATER TREATMENT		DWG NO. C7
KITSAP WAY (NORTH)		
PLAN & PROFILE		SHEET 12 OF 21
		PN: 876

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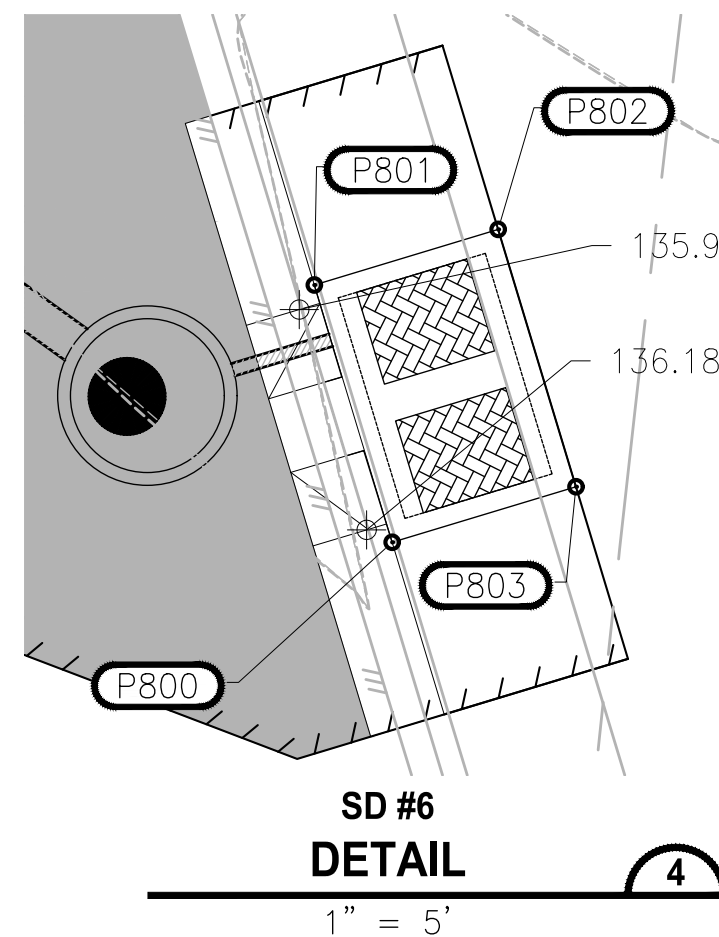
**CURB RAMP 1 AND SD #5
DETAIL 1**
1" = 5'

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P200	211721.15	1183901.57	136.35	EX, FL
P201	211720.46	1183905.51	136.32	FL
P202	211718.56	1183916.34	136.25	FL
P203	211717.87	1183920.28	136.21	FL
P204	211716.83	1183926.19	136.00	FL
P205	211716.49	1183928.15	136.00	AP, FL
P206	211716.02	1183931.32	136.12	FL
P207	211714.99	1183938.24	136.38	FL
P208	211715.44	1183931.23	136.62	BPC
P209	211714.50	1183938.17	136.88	BPC
P210	211714.11	1183944.18	136.61	FL
P211	211708.67	1183943.37	FF	BOW
P212	211709.55	1183937.44	136.96	BOW, BPC
P213	211710.58	1183930.51	136.70	BOW, BPC
P214	211711.06	1183927.27	136.58	AP, BOW
P215	211711.41	1183925.24	136.57	BOR, BOW
P216	211712.45	1183919.33	136.28	BOL, FOR
P217	211713.14	1183915.39	136.32	BOL, FOR
P218	211715.04	1183904.56	136.90	BOR, BOW
P219	211715.74	1183900.62	FF	BOW



**CURB RAMP 2 AND SD #1
DETAIL 2**
1" = 5'

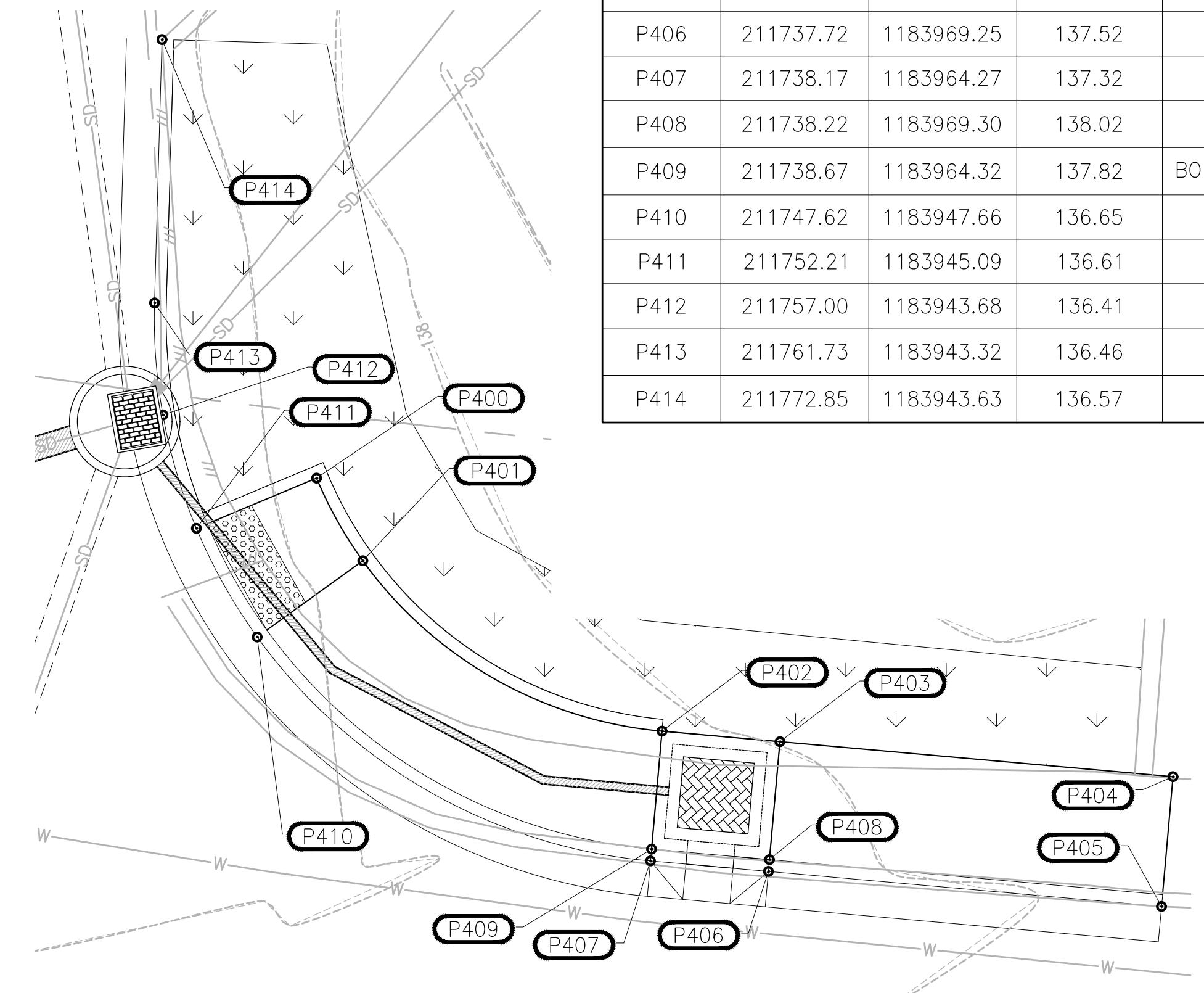
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P300	211767.04	1183923.35	136.49	EX, FL
P301	211754.28	1183918.61	136.30	FL
P302	211750.61	1183914.50	136.25	FL
P303	211748.64	1183910.78	136.22	FL
P304	211747.31	1183905.43	136.26	FL
P305	211747.68	1183898.95	136.24	FL
P306	211748.77	1183894.07	136.27	FL
P307	211748.17	1183899.06	136.74	BPC, TC
P308	211749.26	1183894.18	136.77	BPC, TC
P309	211750.08	1183888.22	136.35	EX, FL
P310	211755.45	1183889.42	FF	BOW
P311	211754.14	1183895.27	136.84	BOW, BPC
P312	211753.05	1183900.15	136.81	BOW, BPC
P313	211752.78	1183904.85	136.84	BOR, BOW
P314	211755.17	1183911.43	136.30	BOL, FOR
P315	211757.84	1183914.41	136.36	BOL



**SD #6
DETAIL 4**
1" = 5'

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P800	212216.64	1183551.71	136.68	BPC, TC
P801	212223.34	1183549.69	136.45	BPC, TC
P802	212224.79	1183554.47	136.53	BOW, BPC
P803	212218.09	1183556.50	136.76	BOW, BPC

POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P400	211754.33	1183950.16	136.68	BOL
P401	211750.84	1183952.12	136.73	BOL, FOR
P402	211743.65	1183964.76	137.90	BOR, BPC, PC
P403	211743.20	1183969.74	138.10	BOW, BPC
P404	211741.72	1183986.34	138.48	BOW, EX
P405	211736.25	1183985.86	138.19	EX, FL
P406	211737.72	1183969.25	137.52	FL
P407	211738.17	1183964.27	137.32	FL
P408	211738.22	1183969.30	138.02	BPC, TC
P409	211738.67	1183964.32	137.82	BOR, BPC, PC, TC
P410	211747.62	1183947.66	136.65	FL
P411	211752.21	1183945.09	136.61	FL
P412	211757.00	1183943.68	136.41	FL
P413	211761.73	1183943.32	136.46	FL, PC
P414	211772.85	1183943.63	136.57	EX, FL



**CURB RAMP 3 AND SD #4
DETAIL 3**
1" = 5'

ABBREVIATIONS:

- AP ANGLE POINT
- BC BOTTOM OF CURB
- BOL BACK OF LANDING
- BOR BACK OF RAMP
- BOW BACK OF SIDEWALK
- BPC BIPOD CORNER
- EX MATCH EXISTING
- FF FIELD FIT
- FL FLOWLINE
- FOL FRONT OF LANDING
- FOR FRONT OF RAMP
- PC POINT OF CURVATURE
- TC TOP OF CURB



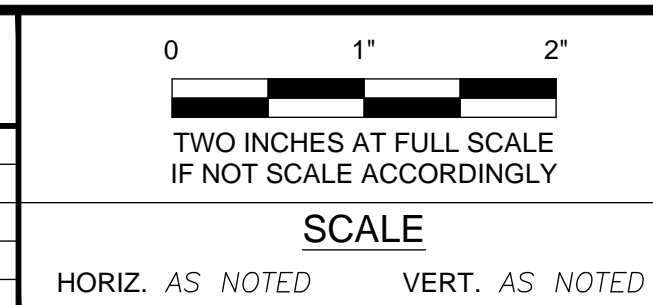
Know what's below.
Call before you dig.

BID SET



08/03/21

NO	REVISIONS	DATE	BY



FIELD BOOK	B CITY OF BREMEROTN
DRAWING NO.	DRAWN BY: C. ODEGARD DATE: 07/26/2021

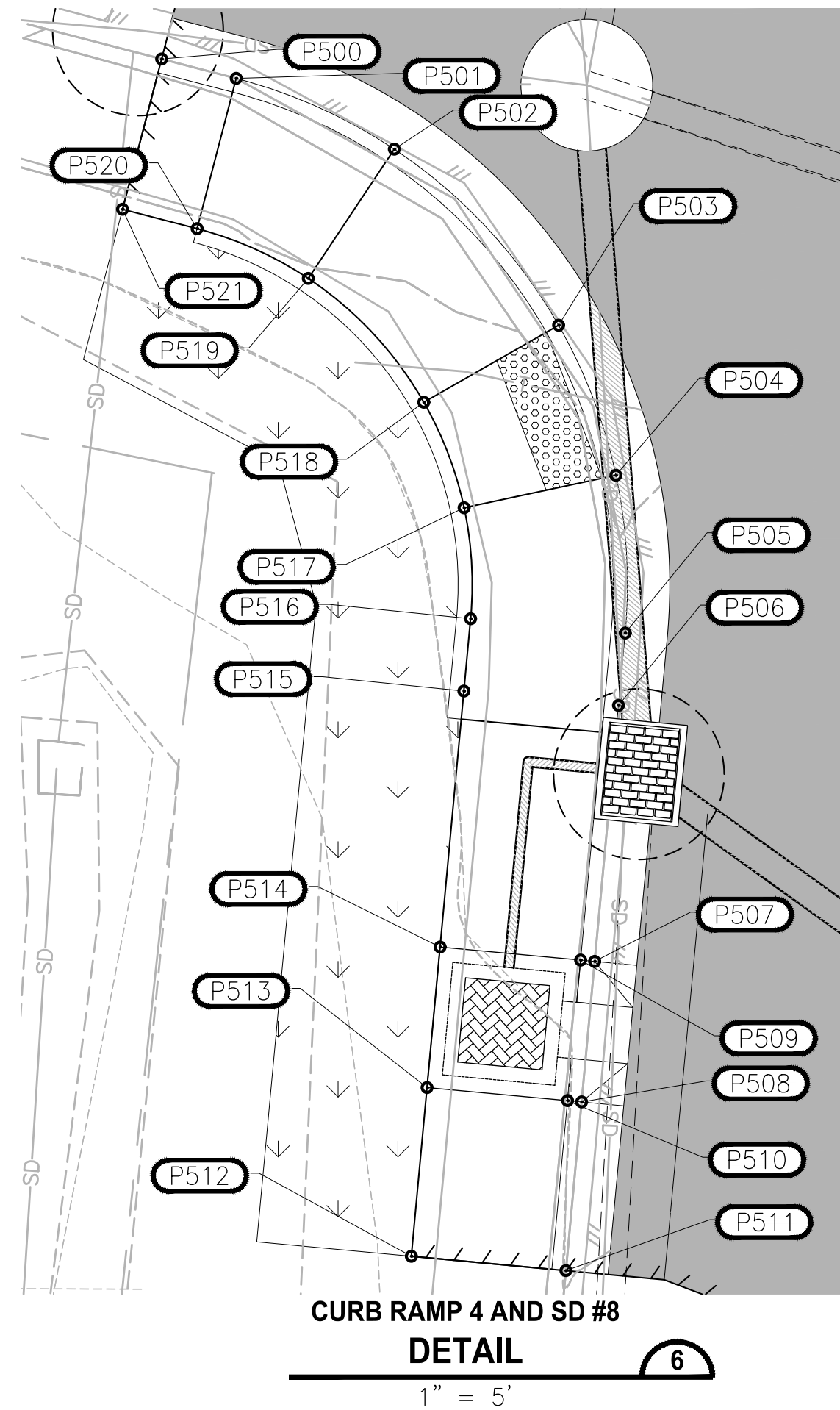
CITY OF BREMEROTN DEPARTMENT OF PUBLIC WORKS & UTILITIES ENGINEERING DIVISION		Parametrix
DESIGN BY: D. DINKUHN WASH. P.E. #35814 DATE: 07/26/21	CHECKED BY: J. WRIGHT WASH. P.E. #48258 DATE: 07/10/21	

OSTRICH BAY CREEK STORMWATER TREATMENT

**RAMP AND BIPOD GRADING
DETAILS AND POINT TABLES**

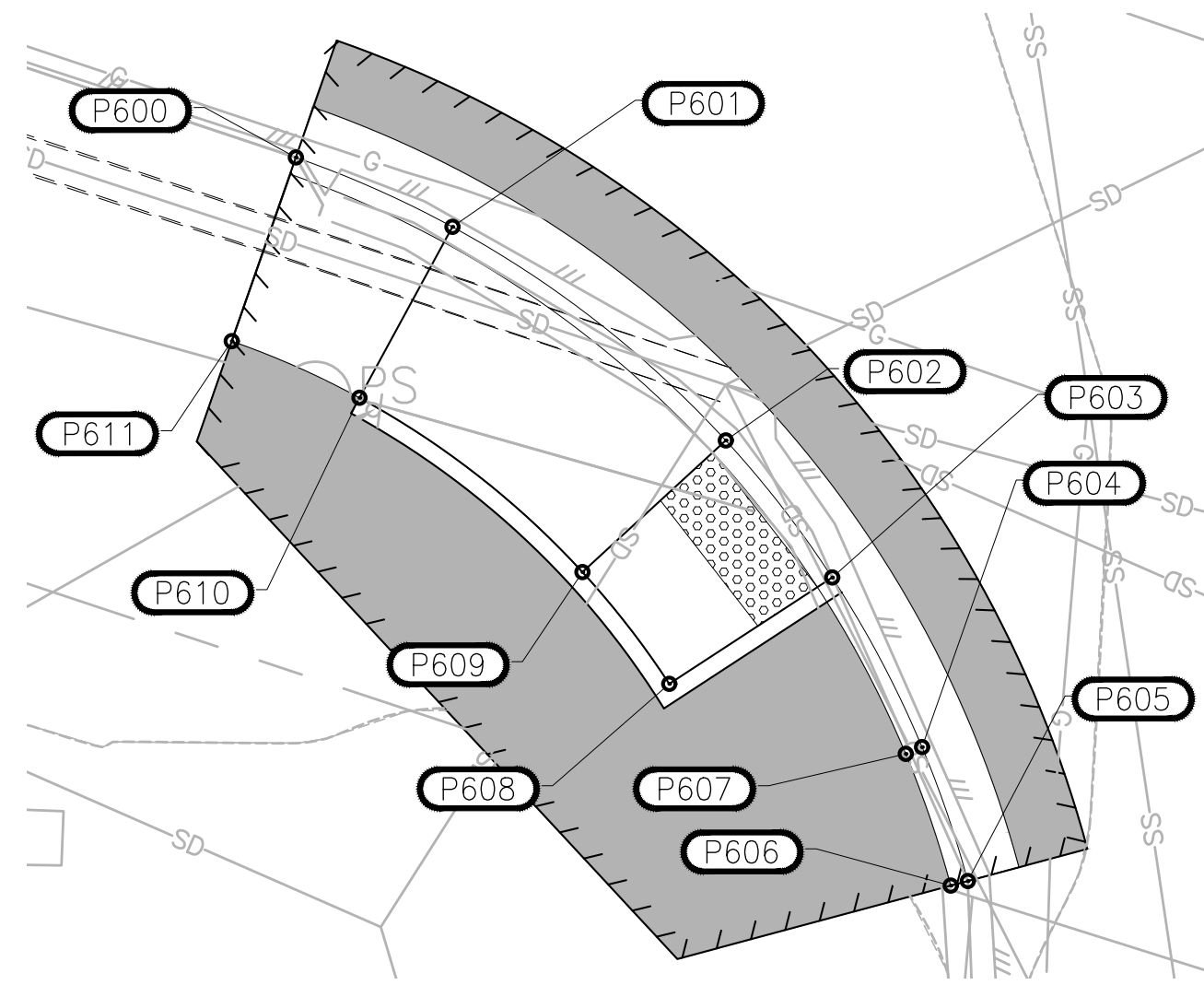
DWG NO.	D1
SHEET	13
OF	21
PN: 876	

FILE: P:\1816173-D01 LAYOUT_02 P:\1816173-D01 LAYOUT_02 DATE: Monday, August 2, 2021 3:45:31 PM PLOTTED BY: Odegaard DATE: Monday, August 2, 2021 3:45:31 PM PLOTTED BY: Odegaard



**CURB RAMP 4 AND SD #8
DETAIL**
1" = 5'

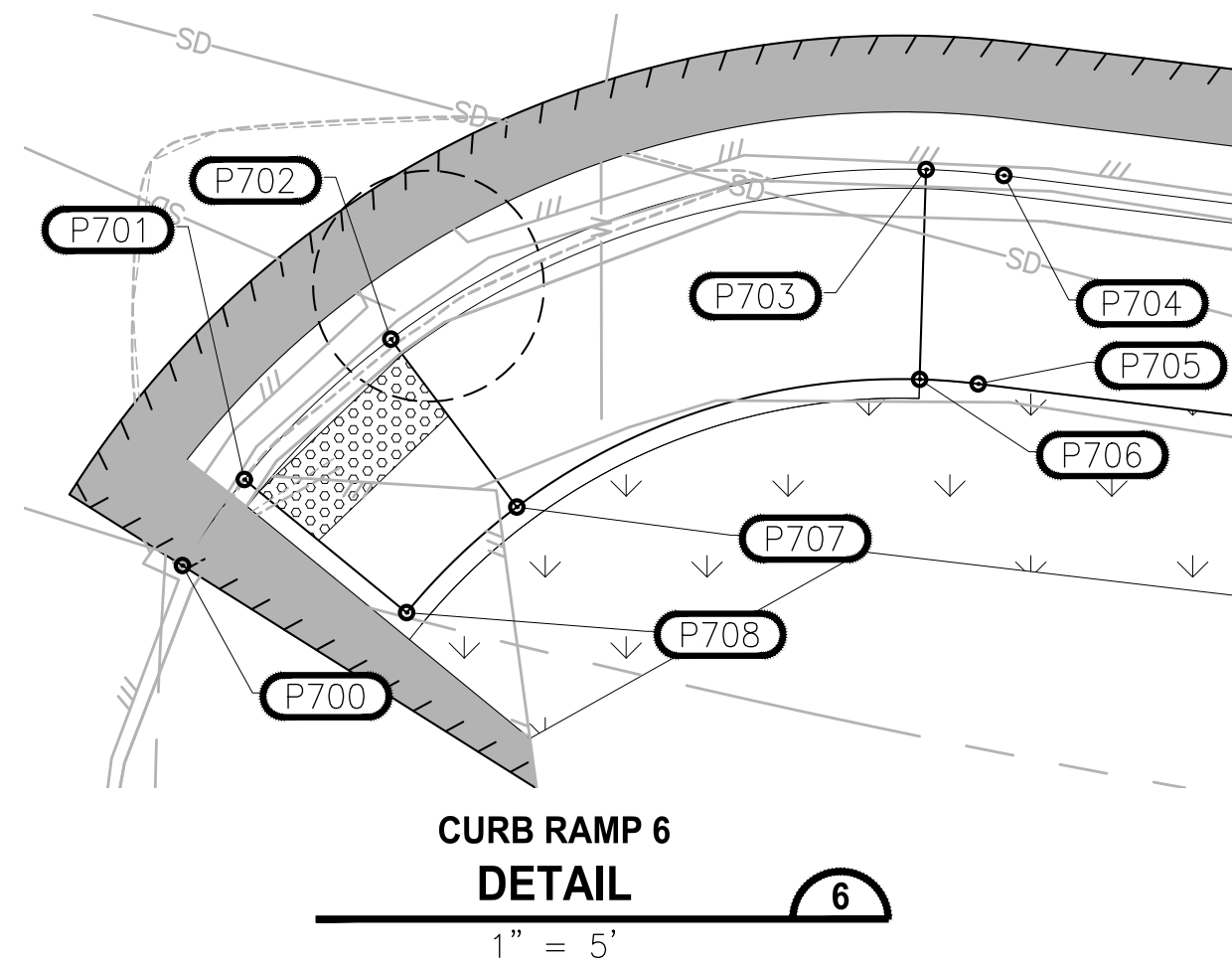
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P500	212266.38	1183499.58	134.35	EX, FL
P501	212265.70	1183502.22	134.43	FL, PC
P502	212263.19	1183507.82	134.55	FL
P503	212256.95	1183513.65	135.12	FL
P504	212251.64	1183515.68	135.18	FL
P505	212246.05	1183516.01	135.25	FL, PC
P506	212243.49	1183515.77	135.27	FL
P507	212234.42	1183514.92	135.58	FL
P508	212229.44	1183514.46	135.76	FL
P509	212234.46	1183514.43	136.08	BPC, TC
P510	212229.49	1183513.96	136.26	BPC, TC
P511	212223.47	1183513.90	135.98	EX, FL



**CURB RAMP 5
DETAIL**
1" = 5'

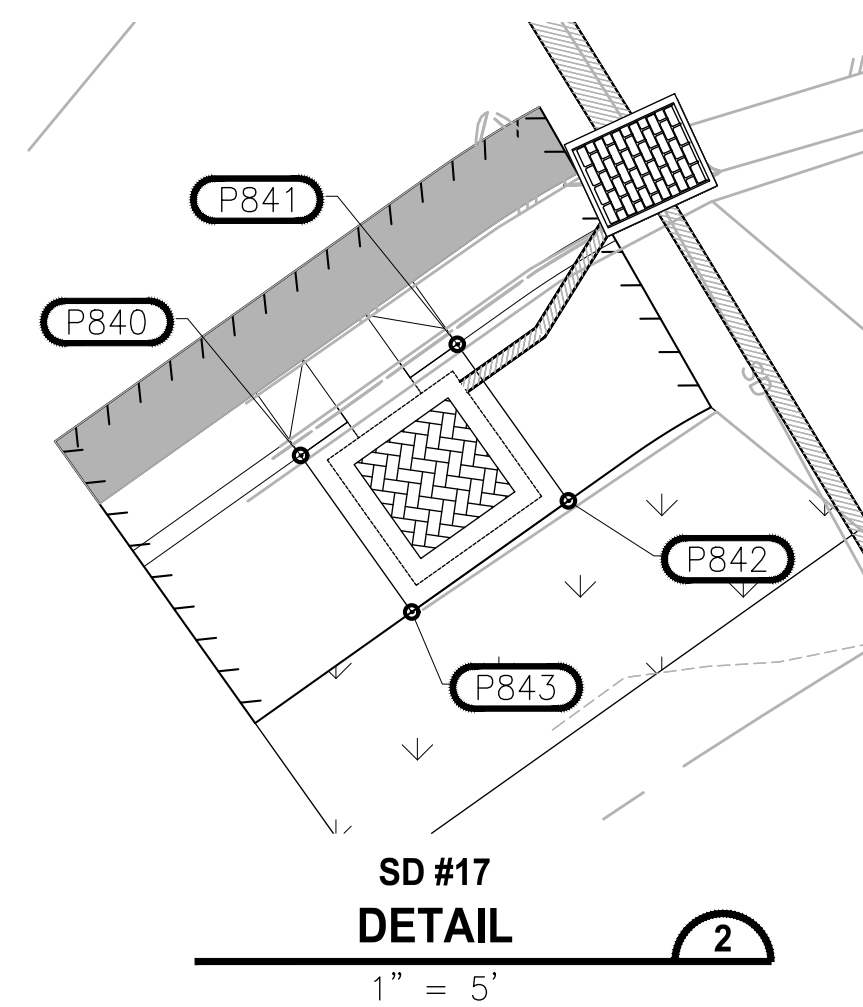
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P600	212193.67	1183741.46	135.12	EX, FL
P601	212191.71	1183745.89	135.20	FL
P602	212185.67	1183753.61	135.43	FL
P603	212181.80	1183756.62	135.50	FL
P604	212177.01	1183759.16	135.78	FL
P605	212173.23	1183760.45	135.88	EX, FL
P606	212173.10	1183759.97	135.98	EX, TC
P607	212176.82	1183758.70	136.28	TC
P608	212178.80	1183752.02	135.57	BOL
P609	212181.96	1183749.56	135.50	BOL, FOR
P610	212186.88	1183743.26	135.85	BOR, BOW
P611	212188.48	1183739.65	135.54	EX, BOW

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P512	212223.98	1183508.43	FF	BOW, EX
P513	212229.95	1183508.98	136.34	BOW, BPC
P514	212234.93	1183509.45	136.16	BOW, BPC
P515	212243.99	1183510.29	135.82	BOR, BOW
P516	212246.56	1183510.53	135.80	BOW, PC
P517	212250.49	1183510.30	135.23	BOL, FOR
P518	212254.22	1183508.87	135.17	BOL, FOR
P519	212258.61	1183504.78	135.13	BOW, BOR
P520	212260.37	1183500.84	134.99	BOW, PC
P521	212261.06	1183498.20	FF	BOW, EX



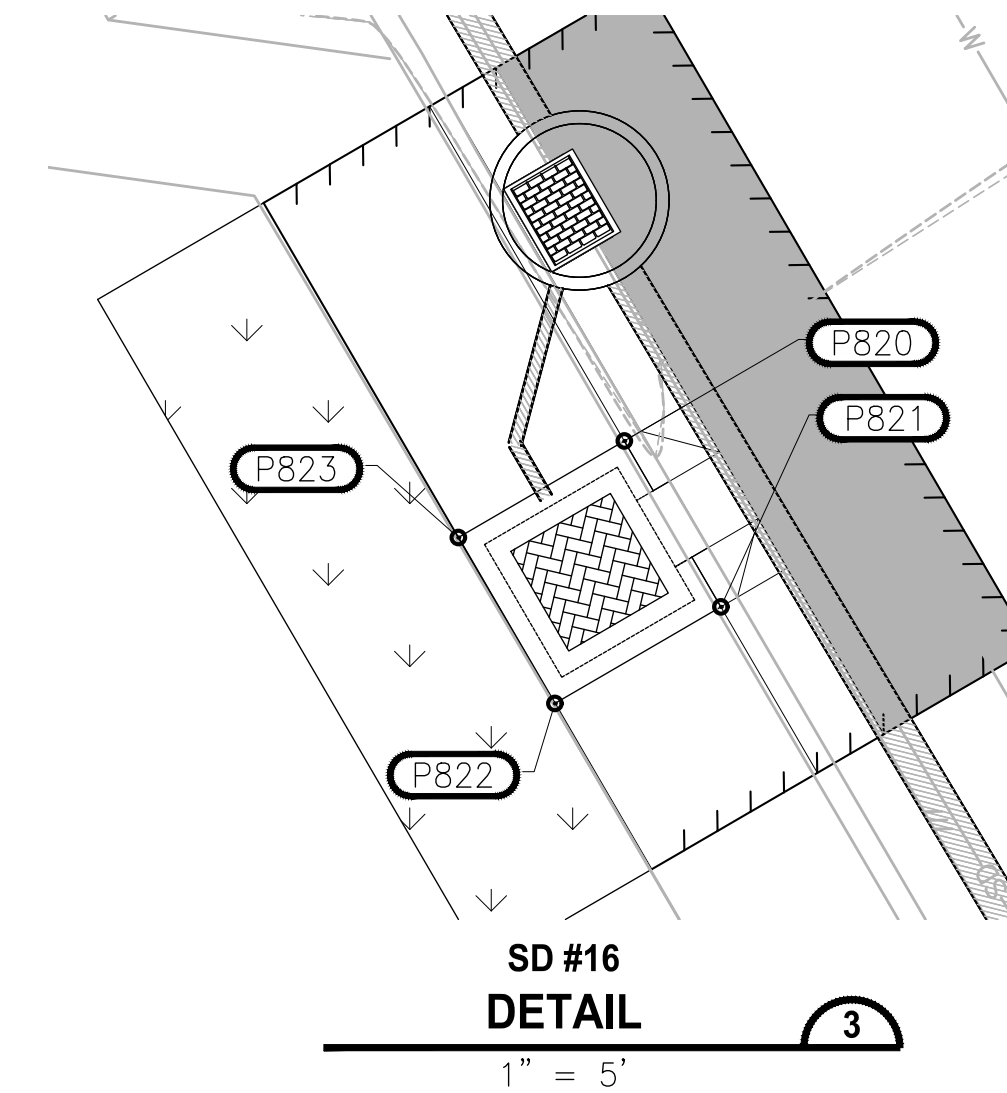
**CURB RAMP 6
DETAIL**
1" = 5'

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P700	212166.28	1183780.58	135.98	EX, FL
P701	212168.53	1183782.20	135.88	FL
P702	212172.21	1183786.04	135.82	FL
P703	212176.65	1183800.07	136.12	FL
P704	212176.50	1183802.11	136.16	FL, PC
P705	212171.04	1183801.44	136.73	BOW, PC
P706	212171.16	1183799.90	136.69	BOW, BOR
P707	212167.81	1183789.35	135.87	BOL, FOR
P708	212165.04	1183786.46	135.93	BOL



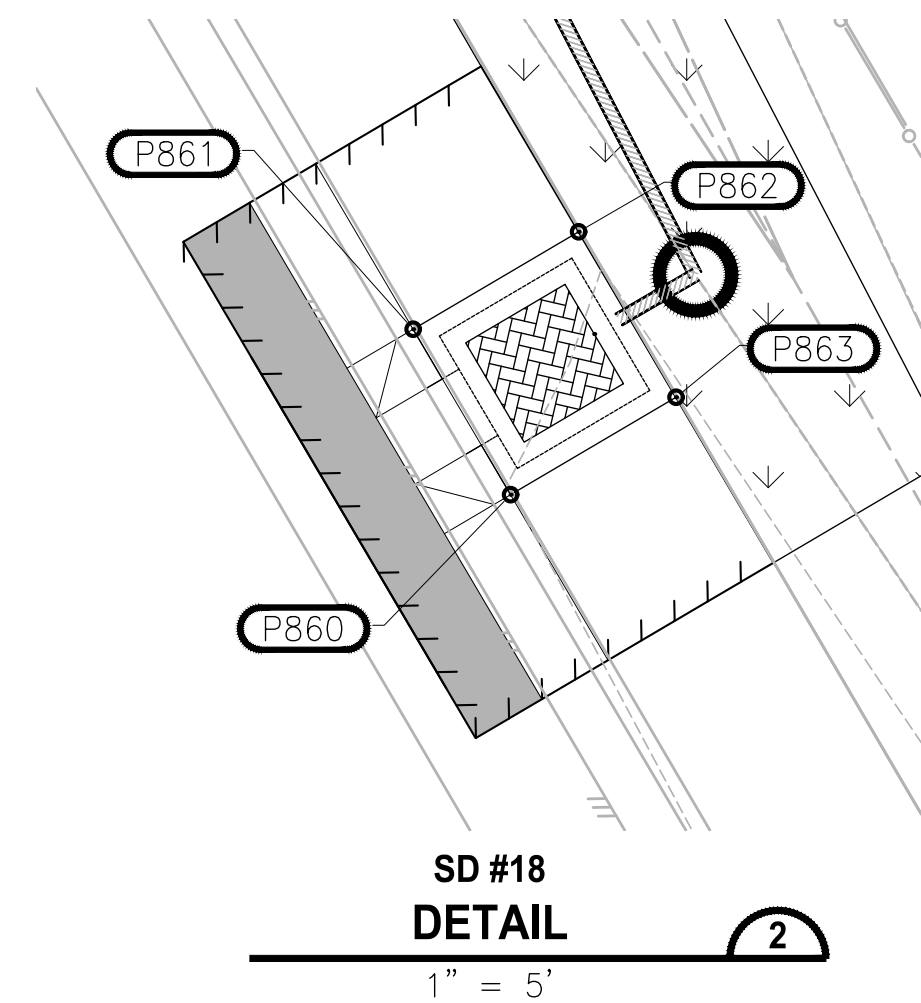
**SD #17
DETAIL**
1" = 5'

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P840	212473.01	1183653.40	130.41	BPC, TC
P841	212475.91	1183657.48	130.41	BPC, TC
P842	212471.83	1183660.38	130.49	BOW, BPC
P843	212468.93	1183656.30	130.48	BOW, BPC



**SD #16
DETAIL**
1" = 5'

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P820	212447.62	1183706.58	132.48	BPC, TC
P821	212443.30	1183709.09	132.61	BPC, TC
P822	212440.79	1183704.77	132.69	BOW, BPC
P823	212445.11	1183702.26	132.55	BOW, BPC



**SD #18
DETAIL**
1" = 5'

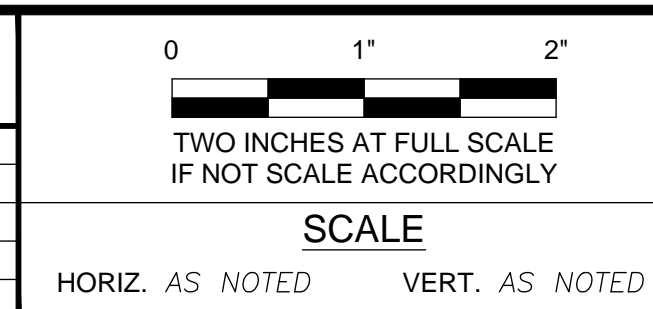
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
P860	212617.63	1183658.22	127.06	BPC, TC
P861	212621.94	1183655.69	126.89	BPC, TC
P862	212624.48	1183659.99	126.97	BOW, BPC
P863	212620.17	1183662.53	127.13	BOW, BPC

- ABBREVIATIONS:**
- AP ANGLE POINT
 - BC BOTTOM OF CURB
 - BOL BACK OF LANDING
 - BOR BACK OF RAMP
 - BOW BACK OF SIDEWALK
 - BPC BIPOD CORNER
 - EX MATCH EXISTING
 - FF FIELD FIT
 - FL FLOWLINE
 - FOL FRONT OF LANDING
 - FOR FRONT OF RAMP
 - PC POINT OF CURVATURE
 - TC TOP OF CURB

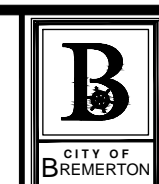


08/03/21

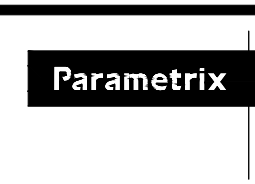
REVISIONS			
NO	DESCRIPTION	DATE	BY



FIELD BOOK
DRAWING NO.



CITY OF BREMERONTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION



DRAWN BY: C. ODEGARD
DATE: 07/26/2021

DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT

**RAMP AND BIPOD GRADING
DETAILS AND POINT TABLES**

DWG NO.
D2
SHEET
14
OF
21

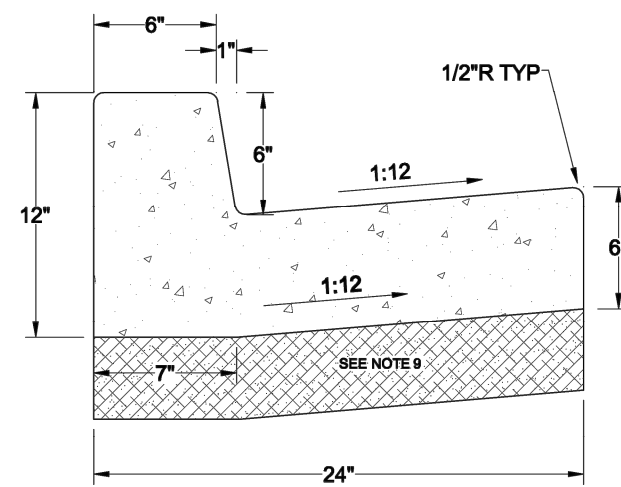
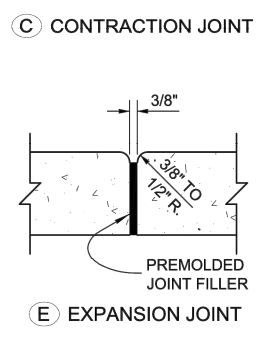
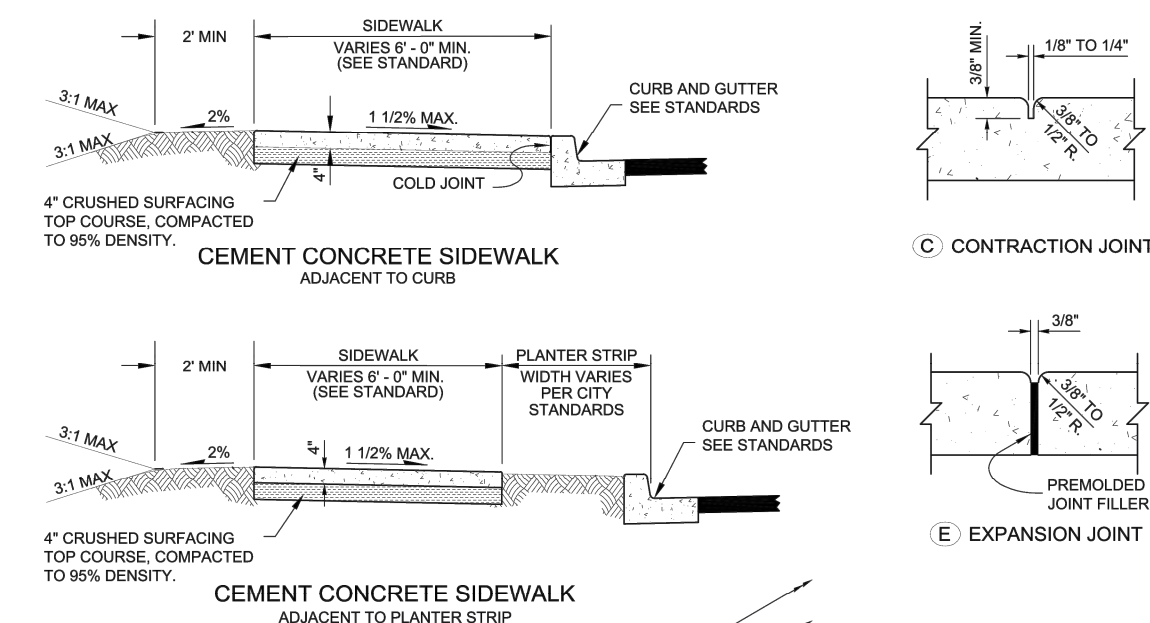
P.N.: 876



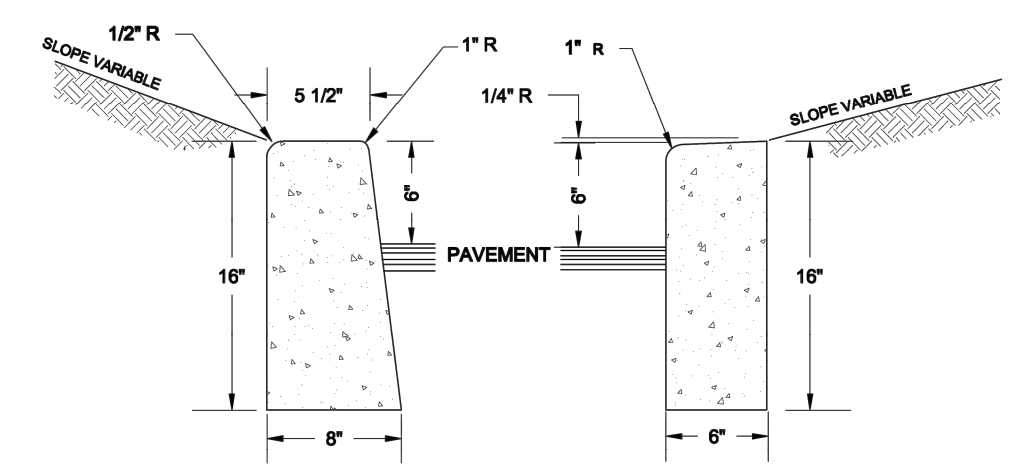
Know what's below.
Call before you dig.

BID SET

FILE: PS18186173-D01 LAYOUT_03 PATH: U:\PSO\Projects\Clients\18186-173 OstrichBayCreek\Bremerton\233-18186-173 OstrichBayCreek\Bremerton\995\cva\CAD\DWG PLOTTED BY: Odegaard, August 2, 2021 3:45:42 PM

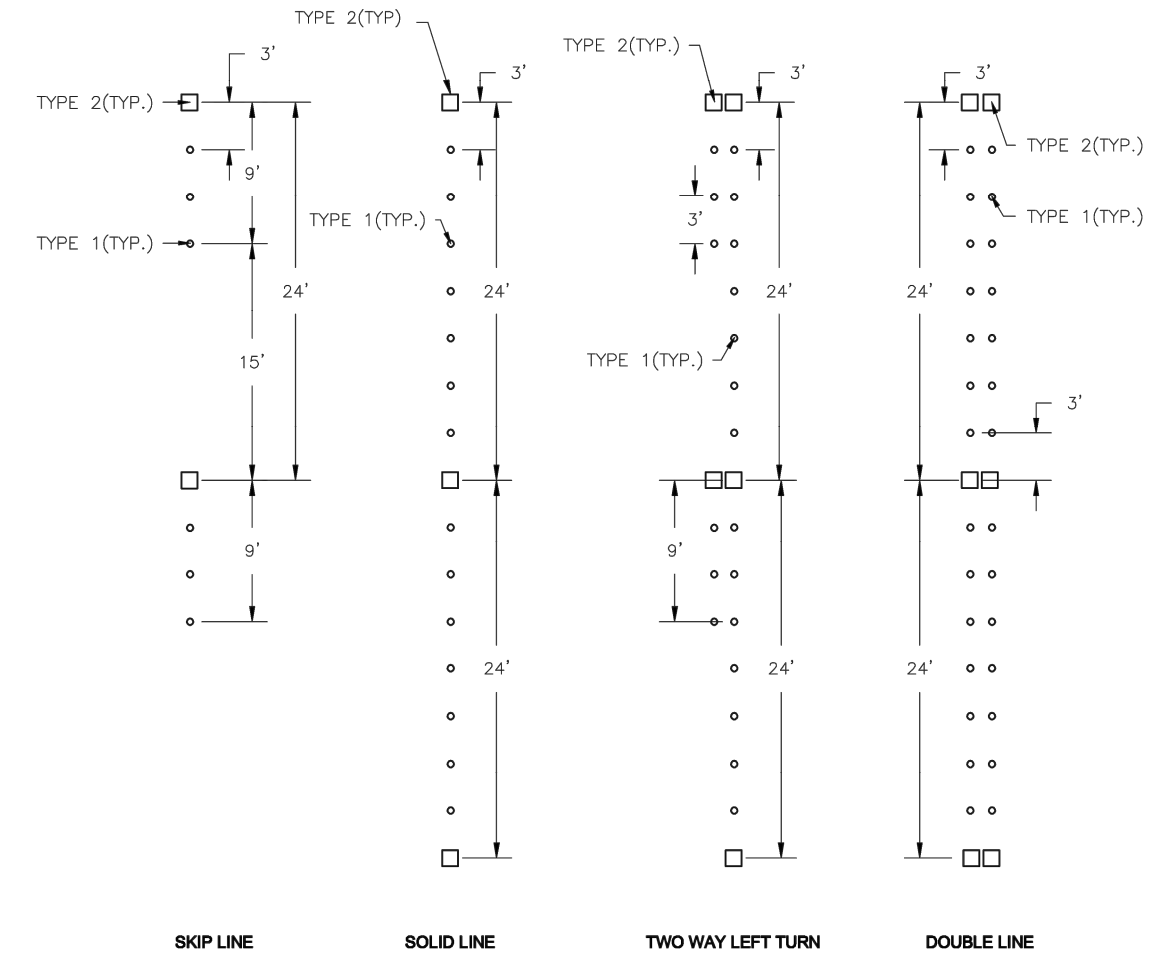


- NOTES**
- FORMS SHALL BE TRUE TO LINE AND GRADE AND SECURELY STAKED.
 - FULL DEPTH EXPANSION JOINTS SHALL BE PLACED ON 10 FOOT CENTERS.
 - THRU JOINTS SHALL BE PLACED ADJACENT TO CATCH BASINS, INLETS AND AT POINTS OF TANGENCY ON STREETS, ALLEY AND DRIVEWAY RETURNS. MAXIMUM SPACING SHALL BE 20 FT. PRE-MOLDED JOINT FILLER SHALL BE 1/2" WIDE AND CONFORM TO AASHTO DESIGN M213.
 - ALL JOINTS SHALL BE CLEAN AND EDGED.
 - CONCRETE SHALL BE CEMENT CONCRETE, CLASS 3000.
 - STEEL FORMS ONLY SHALL BE USED ON TANGENT SECTIONS. WOOD FORMS MAY BE USED ON CURVED SECTIONS.
 - FINISH SHALL BE LIGHT BROOM FINISH.
 - THE FINISHED CURB SHALL BE SPRAYED WITH A TRANSPARENT CURING COMPOUND AND COVERED BY WATERPROOF PAPER OR PLASTIC MEMBRANE IN THE EVENT OF RAIN OR OTHER UNSUITABLE WEATHER. CURING TIME SHALL BE A MINIMUM OF 72 HOURS.
 - ALL CURB AND GUTTER SHALL BE PLACED ON A MIN OF 4" COMPACTED CRUSHED SURFACING TOP COURSE.



NOTES

- ALL MATERIALS SHALL BE WSDOT CLASS 3000 CONCRETE.



NOTES

- ALL MATERIALS SHALL BE WSDOT CLASS 3000 CONCRETE.

City of Bremerton
PUBLIC WORKS
ENGINEERING DIVISION

CONCRETE SIDEWALK DETAIL
NON-DOWNTOWN LOCATIONS

3101
Revision Date 3/3/16

City of Bremerton
PUBLIC WORKS
ENGINEERING DIVISION

CEMENT CONCRETE CURB AND GUTTER
TYPE A

3131
Revision Date 8/15/08

City of Bremerton
PUBLIC WORKS
ENGINEERING DIVISION

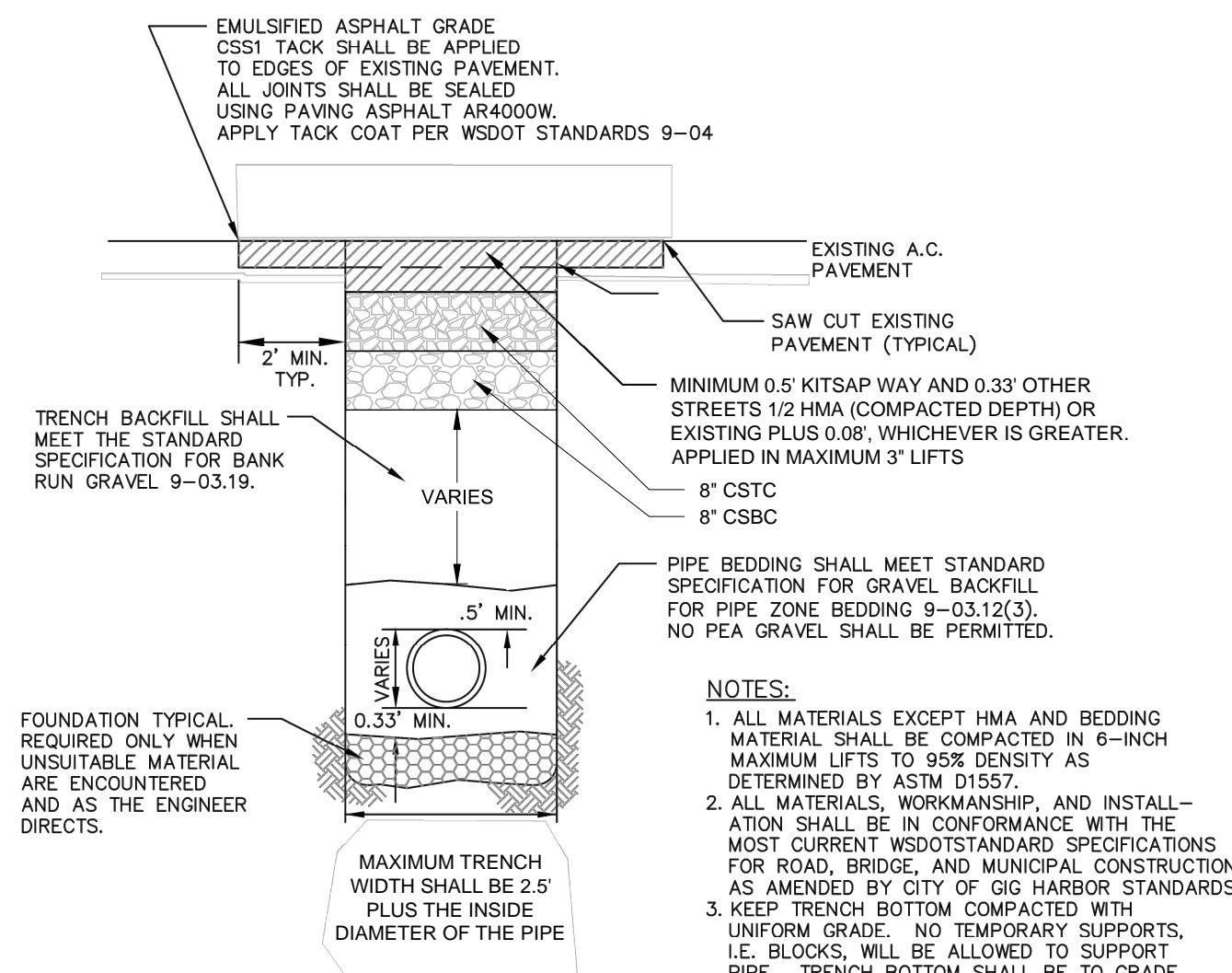
CEMENT CONCRETE CURB
TYPE C

3133
Revision Date 8/28/13

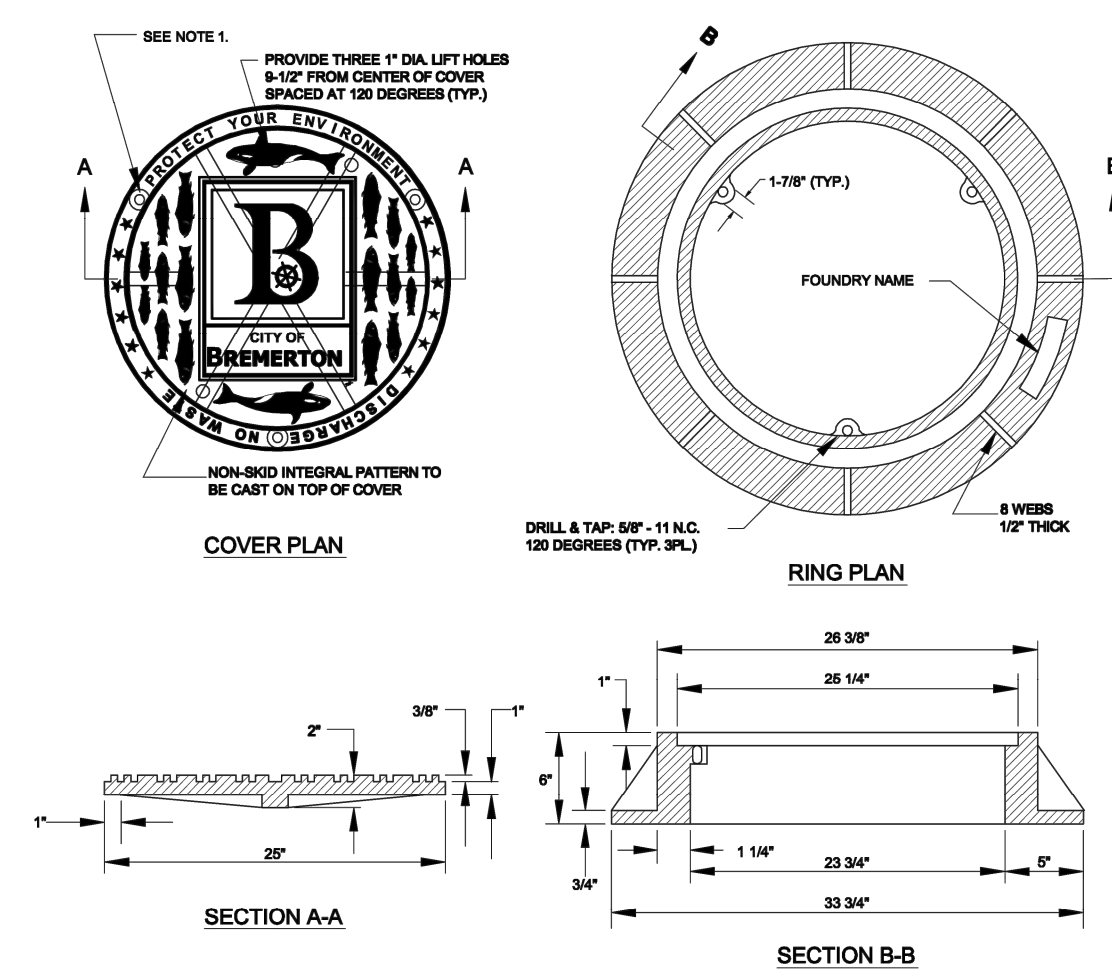
City of Bremerton
PUBLIC WORKS
COMMUNITY DEVELOPMENT

RAISED PAVEMENT MARK LINE
CLASSIFICATION

3262
Revision Date 10-12-12



- NOTES:**
- ALL MATERIALS EXCEPT HMA AND BEDDING MATERIAL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO 95% DENSITY AS DETERMINED BY ASTM D1557.
 - ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE MOST CURRENT WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS AMENDED BY CITY OF OIG HARBOR STANDARDS.
 - KEEP TRENCH BOTTOM COMPACTED WITH UNIFORM GRADE. NO TEMPORARY SUPPORTS, I.E. BLOCKS, WILL BE ALLOWED TO SUPPORT PIPE. TRENCH BOTTOM SHALL BE TO GRADE PRIOR TO PIPE INSTALLATION.
 - SAW CUT PAVEMENT TO MAX. TRENCH WIDTH. BACKFILL AND PAVE TO TOP OF EXISTING PAVEMENT FOR TRENCH WIDTH. ALLOW 24 HOURS MINIMUM FOR TRENCH PATCH TO CURE. GRIND AND PAVE FINAL PATCH AS SHOWN.
 - CDP BACKFILL WILL BE REQUIRED AROUND DUCT BANKS THAT ARE STACKED VERTICALLY.

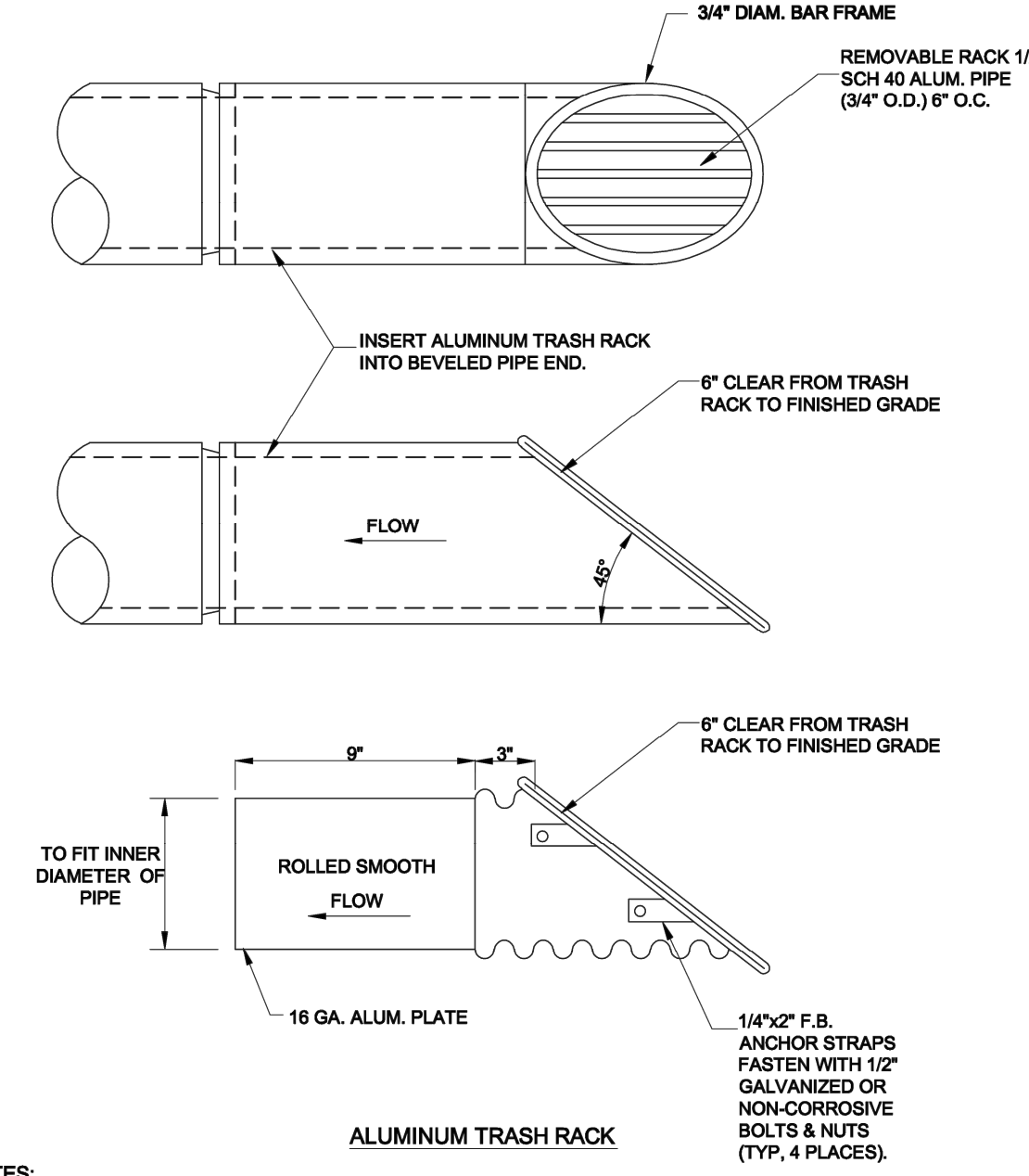


- COVER NOTES:**
- USE WITH THREE LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) BOLTS 2" LONG. DRILL HOLES SPACED 120°, TO MATCH HOLES IN RING.
 - COVER MATERIAL IS DUCTILE IRON ASTM A536 GRADE 60-40-06.
 - SMALL CONFORM TO SEC. 9-06.15 OF THE WSDOT STANDARD SPECIFICATIONS, AS MODIFIED HEREIN.
 - APPROXIMATE WEIGHT OF COVER IS 100 LBS.
 - RATING - H20.
- RING NOTES:**
- DRILL AND TAP THREE 5/8"-11 NC HOLES THROUGH RING AT 120°.
 - RING MATERIAL IS GREY IRON ASTM A-48 CLASS 30.
 - SMALL CONFORM TO SEC. 9-06.15 OF THE WSDOT STANDARD SPECIFICATIONS, AS MODIFIED HEREIN.
 - APPROXIMATE WEIGHT OF RING IS 215 LBS.
 - RATING - H20.

City of Bremerton
PUBLIC WORKS
DESIGN/CONSTRUCTION STANDARDS

DECORATIVE STORM RING AND COVER

4022
Revision Date 1/5/11

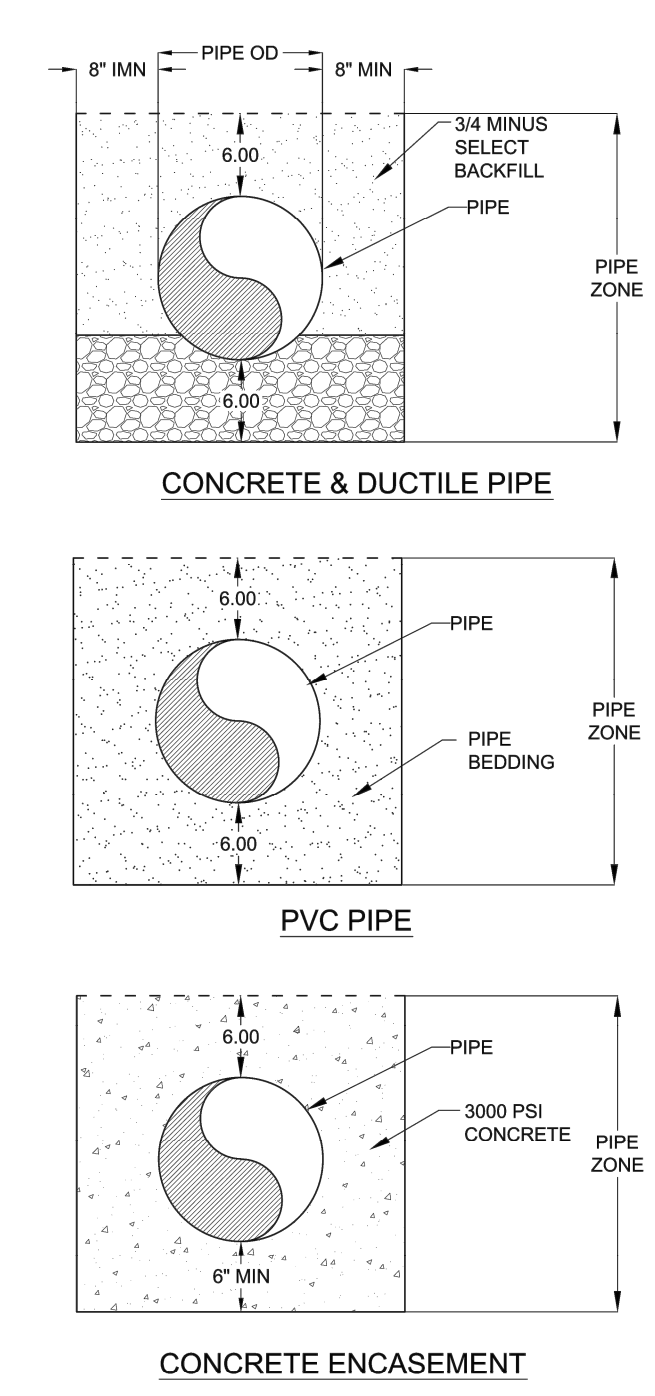


- NOTES:**
- ALL STEEL PARTS MUST BE GALVANIZED & ASPHALT COATED (TREATMENT 1 OR BETTER).
 - CONTRACTOR TO VERIFY DIMENSIONS.

City of Bremerton
PUBLIC WORKS
DESIGN/CONSTRUCTION STANDARDS

TRASH RACK

4041
Revision Date 3/2/07

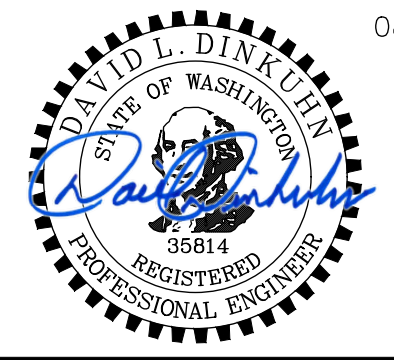


- NOTE:**
- CONCRETE PIPE SHALL BE BEDDED TO SPRING LINE.
 - PIPE SHALL BE BEDDED AND INSTALLED PER WSDOT STANDARD SPECIFICATIONS SECTION 7-08.
- PIPE BEDDING**
- WHEN PIPE BEDDING IS REQUIRED, REFERENCE WSDOT 9-03.12.3
- COMPACTION IN PIPE ZONE**
- SHALL BE 90% OF MAXIMUM DENSITY. LOOSE LAYERS OF 6" OR LESS SHALL BE CAREFULLY COMPACTED. BACKFILL SHALL BE BROUGHT UP SIMULTANEOUSLY ON EACH SIDE OF PIPE TO TOP OF PIPE ZONE.

City of Bremerton
PUBLIC WORKS
DESIGN/CONSTRUCTION STANDARDS

STORMWATER PIPE ZONE DETAIL

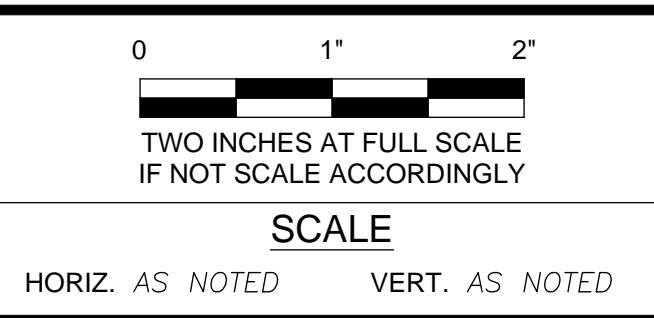
4081
Revision Date 10/06/15



Know what's below.
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08/03/21

NO.	REVISIONS	DESCRIPTION	DATE	BY



FIELD BOOK

CITY OF BREMERTON

DRAWING NO.

DRAWN BY: C. ODEGARD
DATE: 07/26/2021

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT

DETAILS

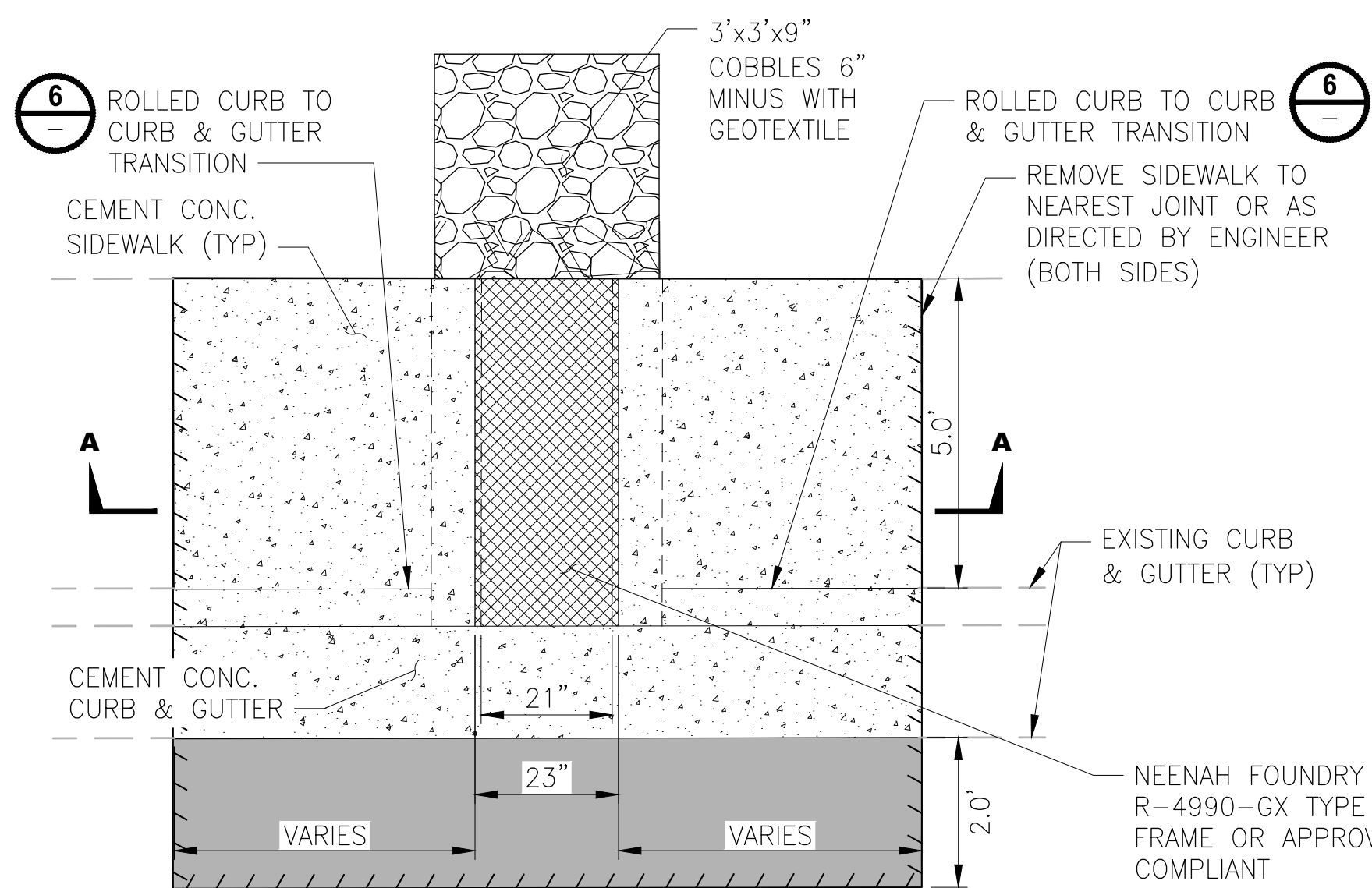
DWGN. NO. D3

SHEET 15 OF 21

PN: 876

BID SET

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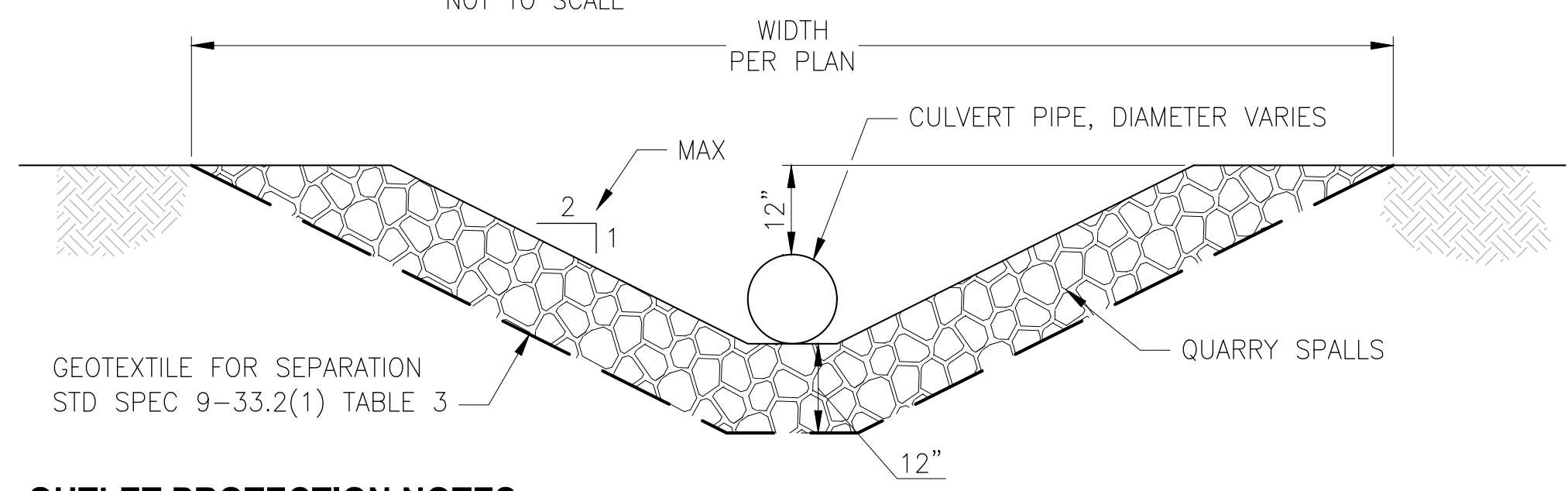
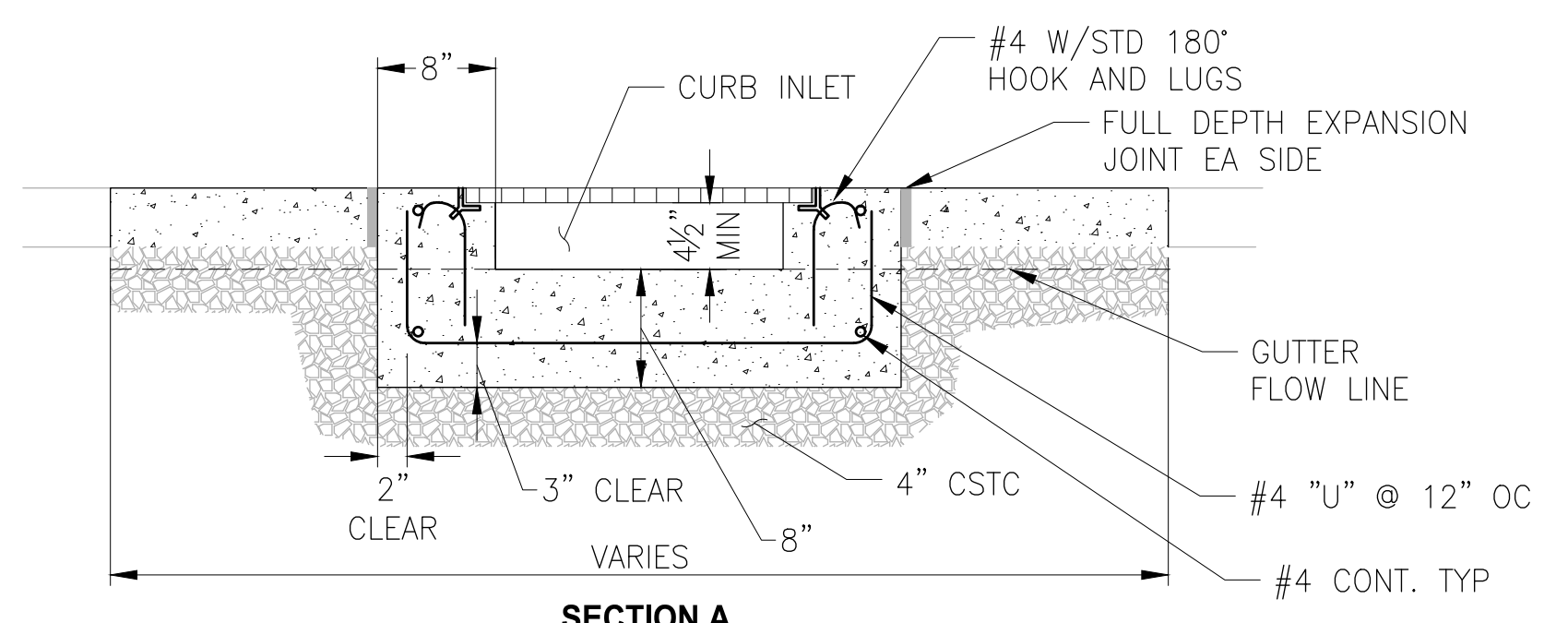
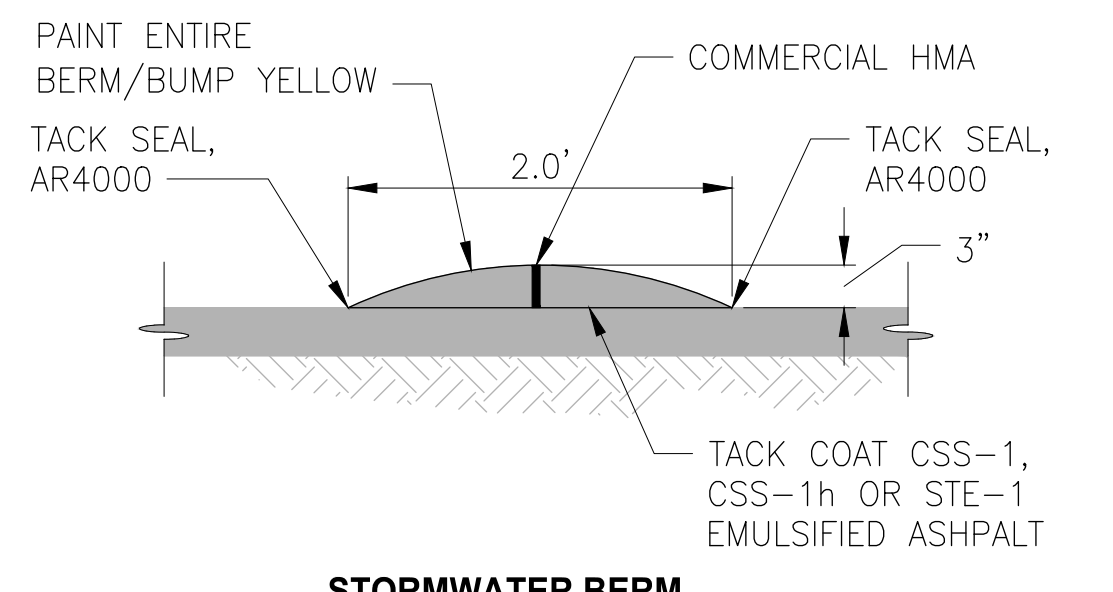
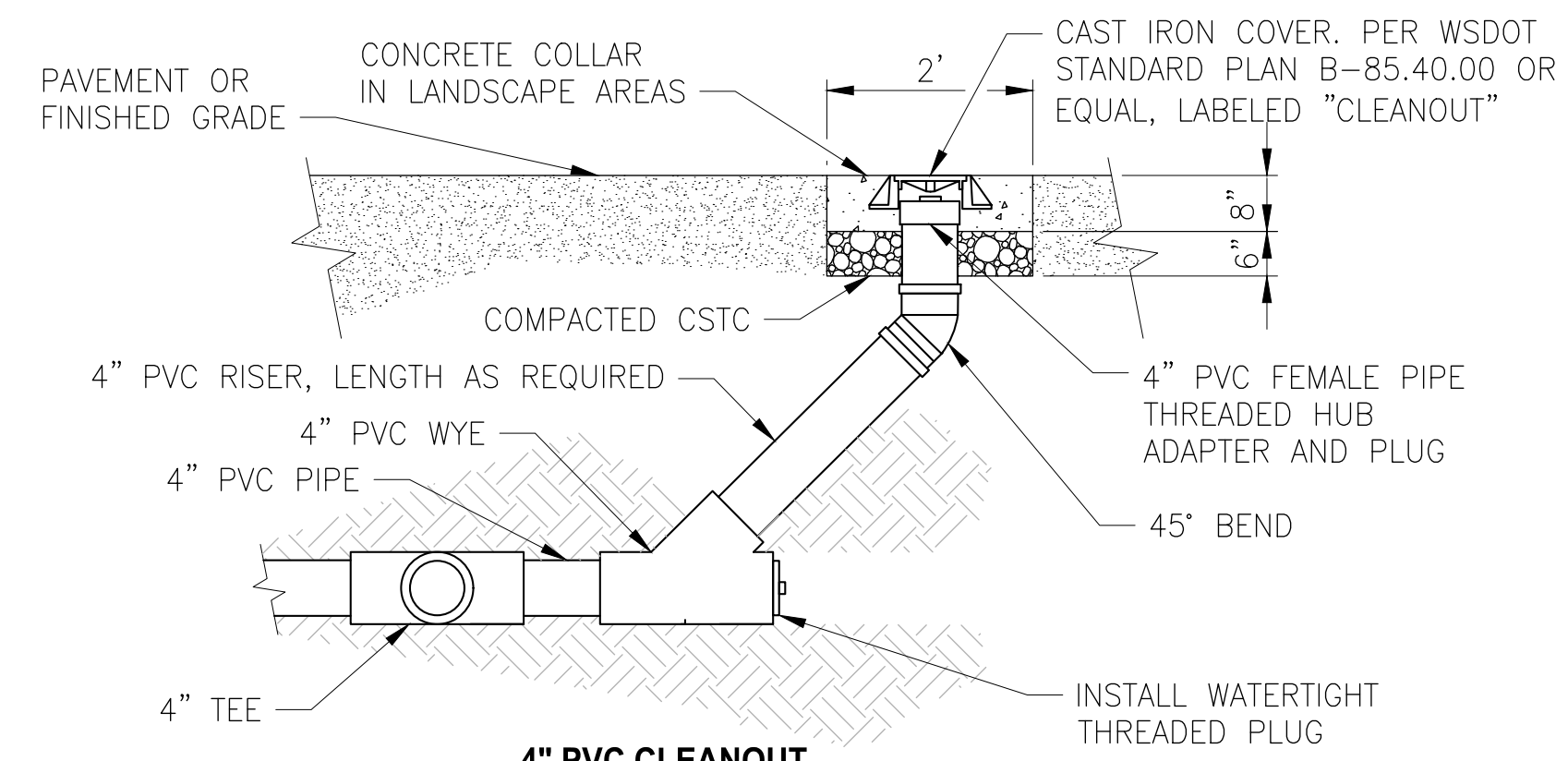
**OSTRICH BAY CREEK
STORMWATER TREATMENT**

Improves Water Quality

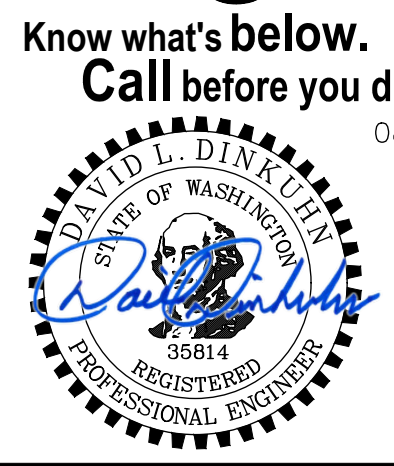
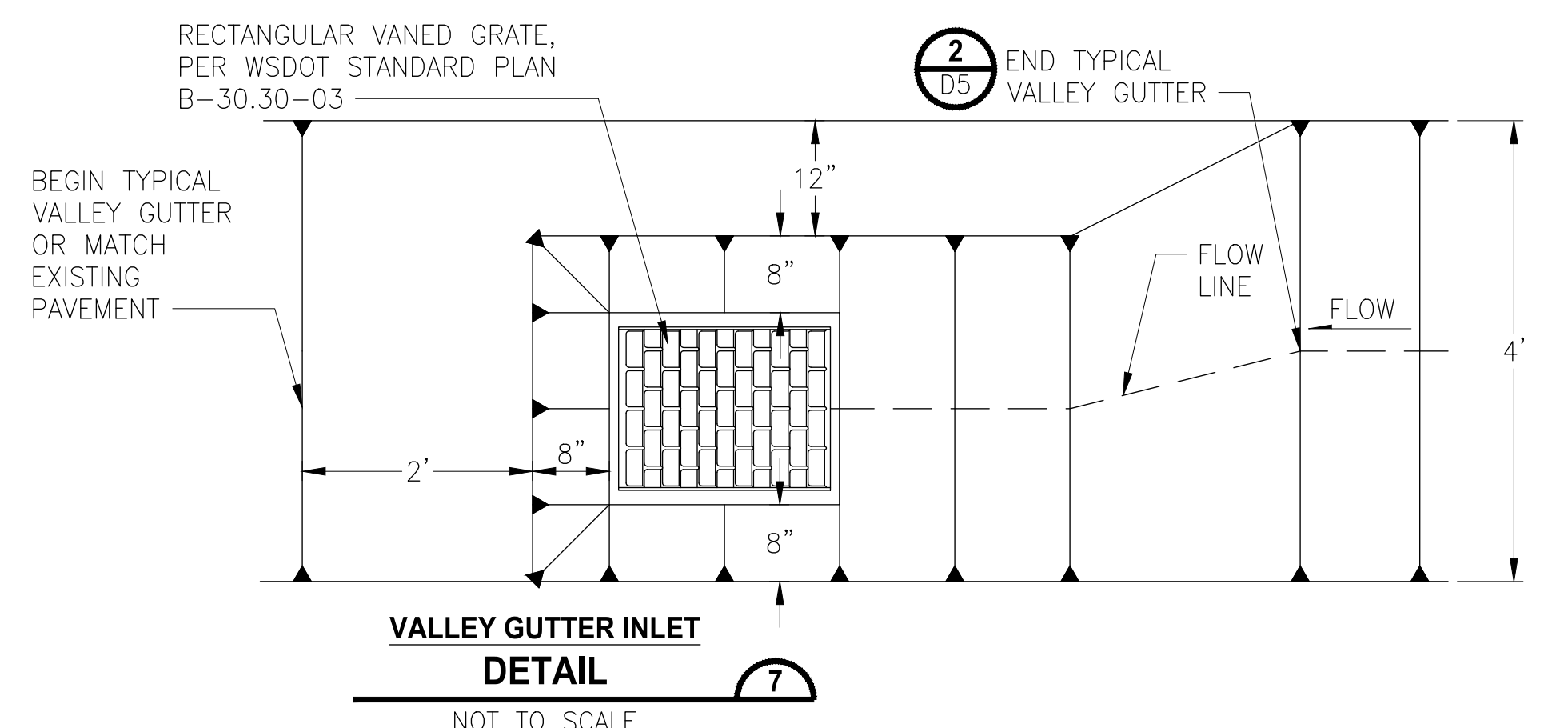
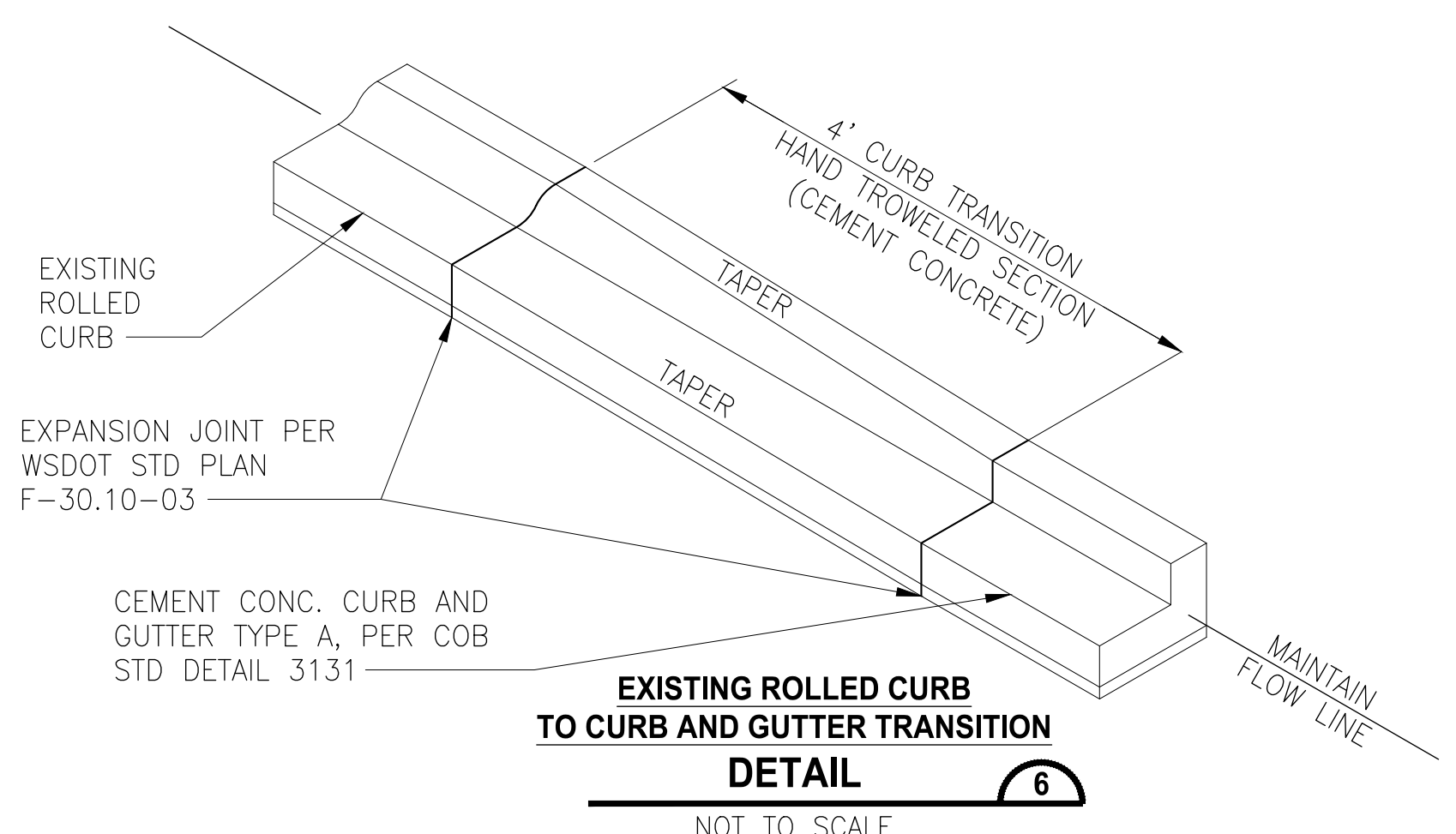
Funded by the Washington State
Stormwater Grant Program and
the City of Bremerton.

<CONTRACTOR>

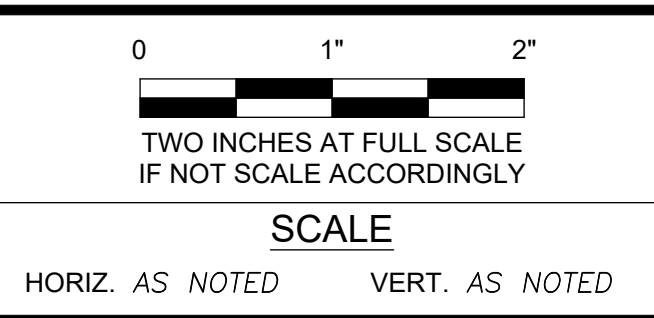
PROJECT IDENTIFICATION SIGN
DETAIL 2
 NO SCALE TYP



- OUTLET PROTECTION NOTES:**
- TRIM PIPE END TO 3H:1V
 - PLACE QUARRY SPALLS TO 12" ABOVE CROWN.



REVISIONS			
NO	DESCRIPTION	DATE	BY



FIELD BOOK	
DRAWING NO.	

CITY OF BREMERONTON DEPARTMENT OF PUBLIC WORKS & UTILITIES ENGINEERING DIVISION		
DRAWN BY: C. ODEGARD DATE: 07/26/2021	DESIGN BY: D. DINKUHN WASH. P.E. #35814 DATE: 07/26/21	CHECKED BY: J. WRIGHT WASH. P.E. #48258 DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT		DETAILS	D4 SHEET 16 OF 21
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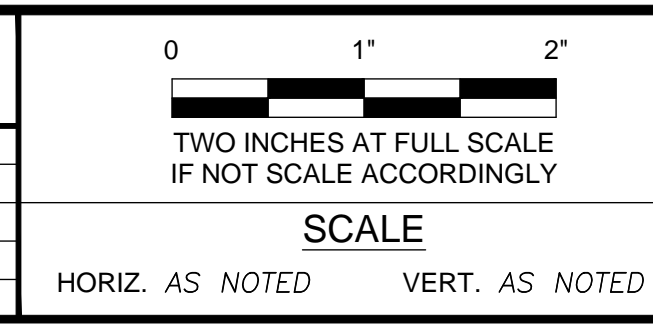


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REVISIONS			
NO	DESCRIPTION	DATE	BY

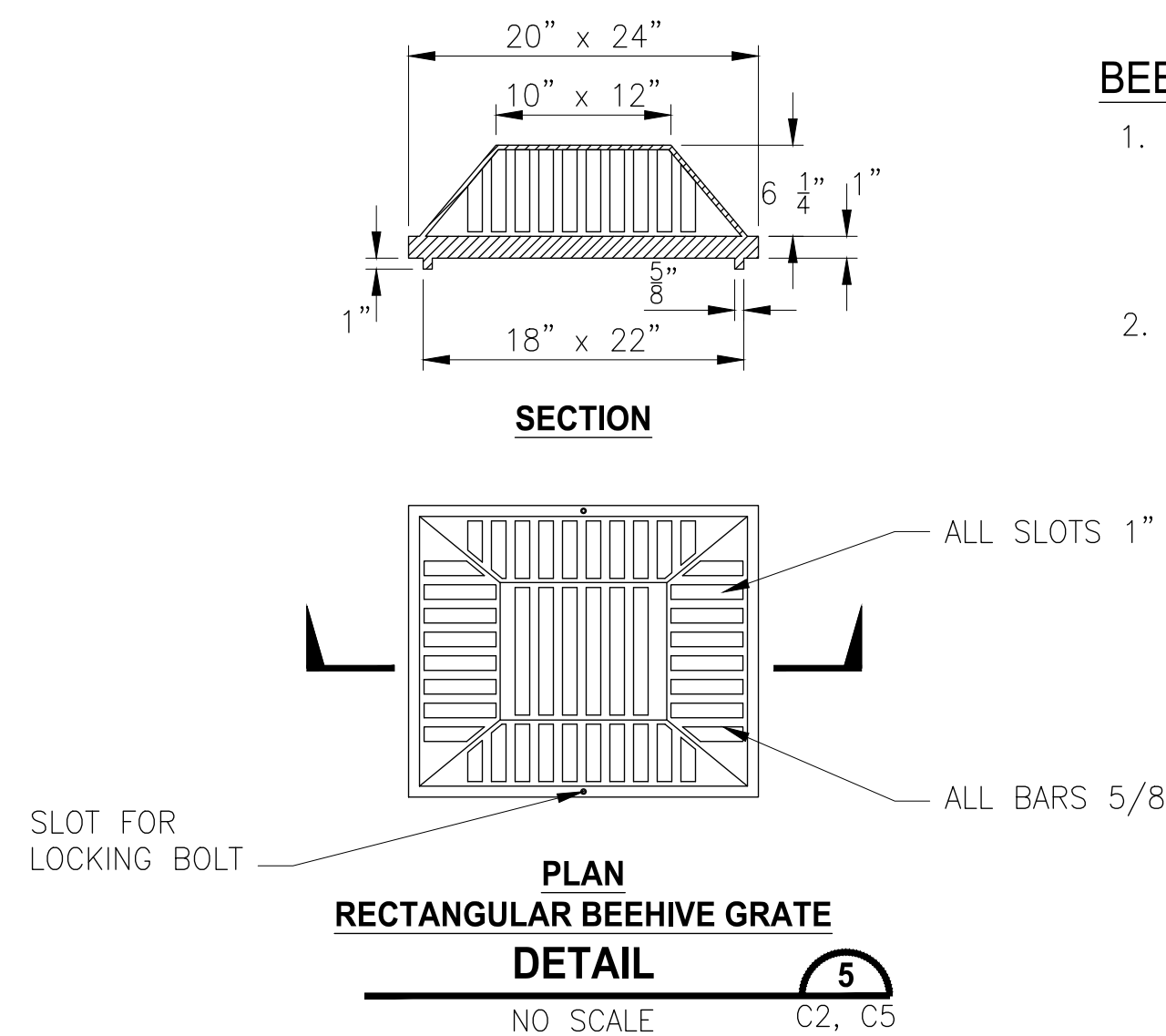
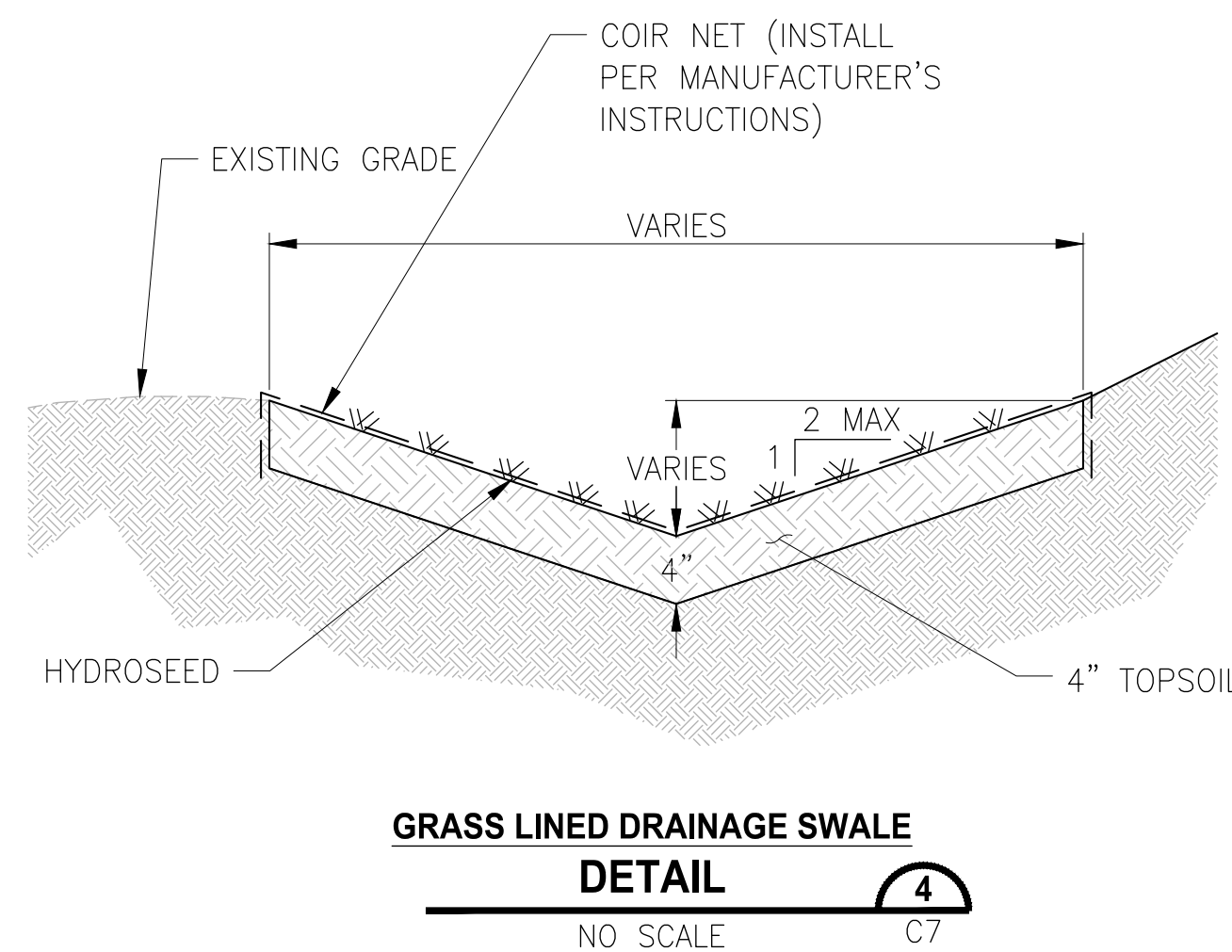
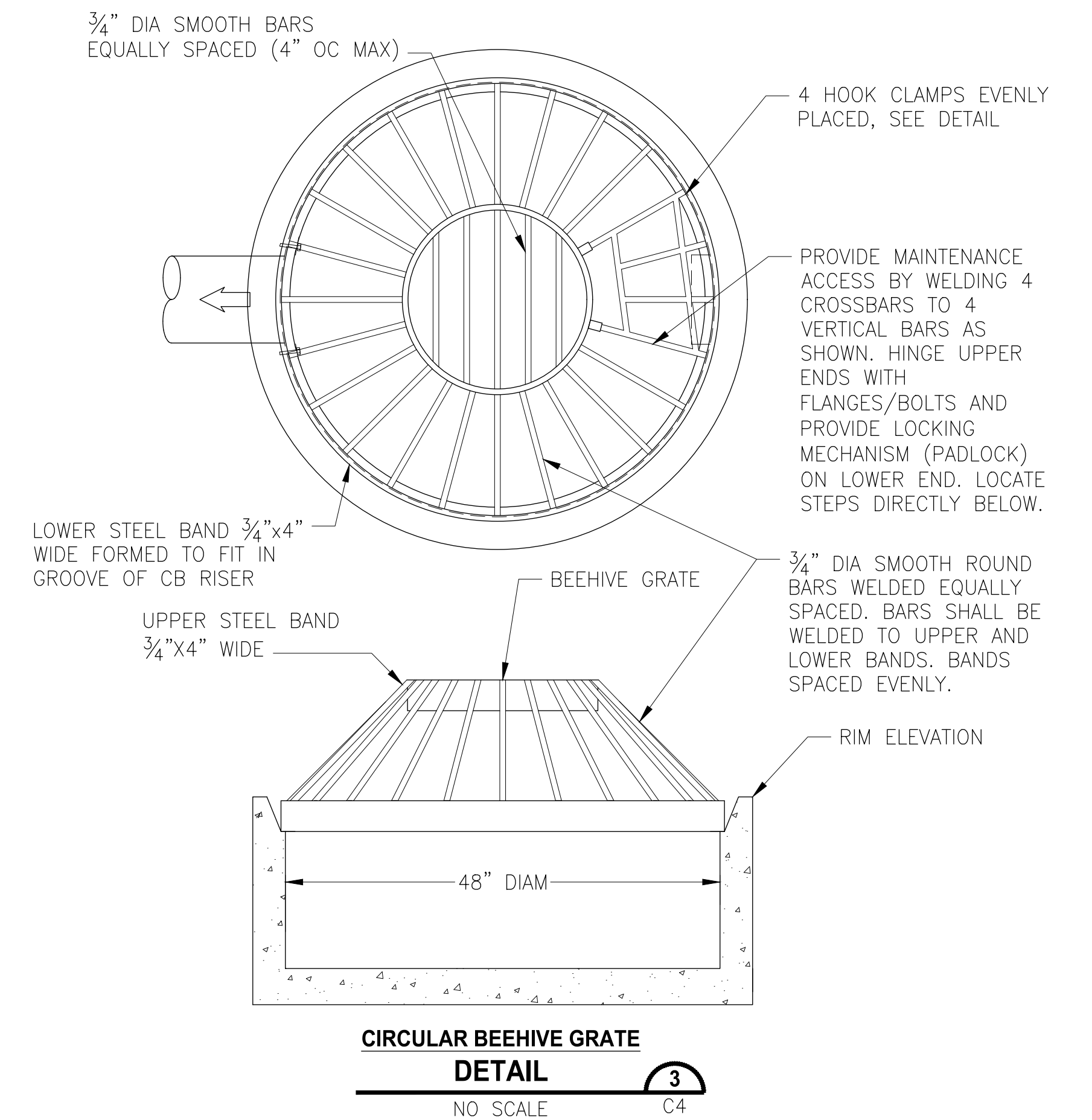
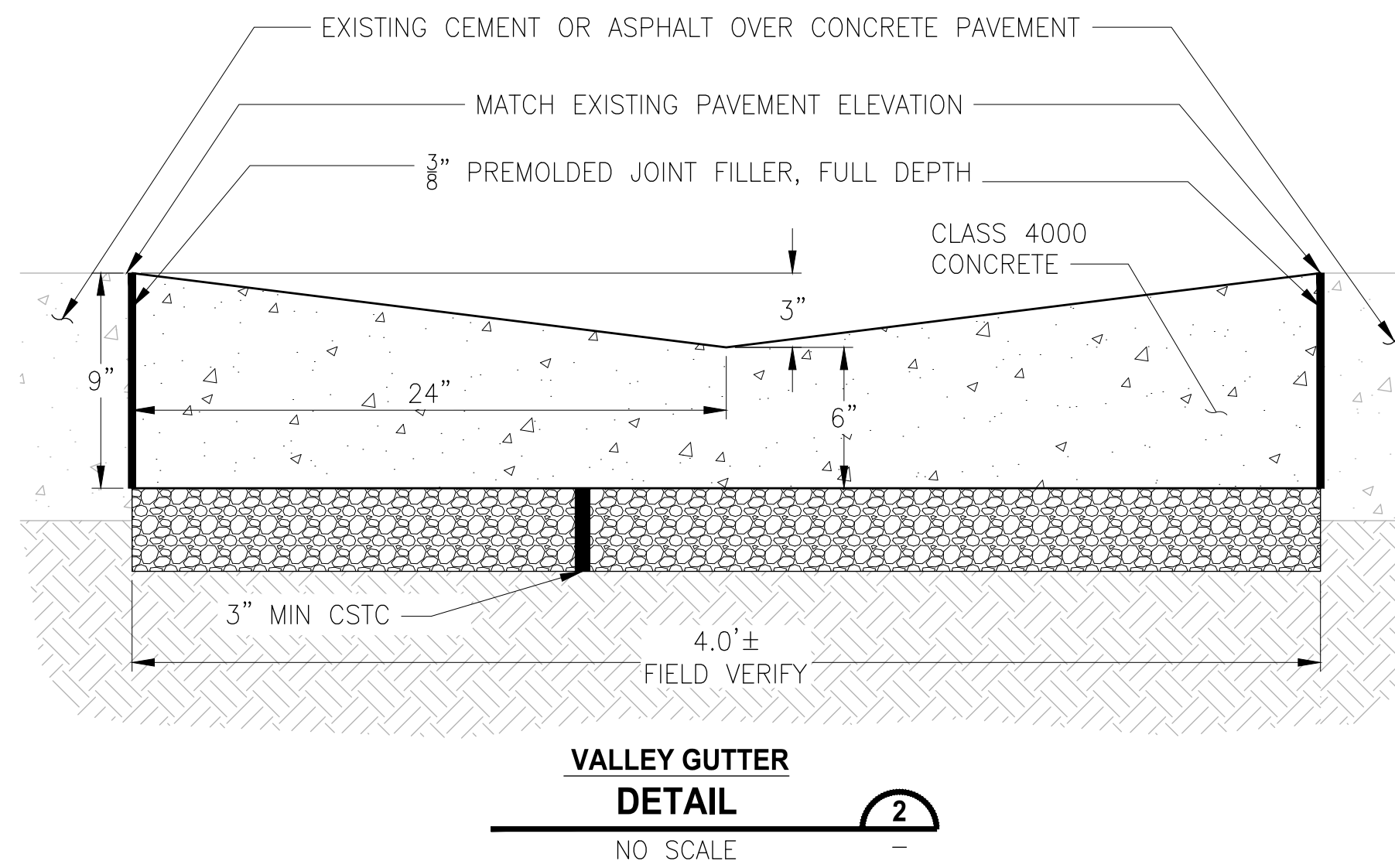
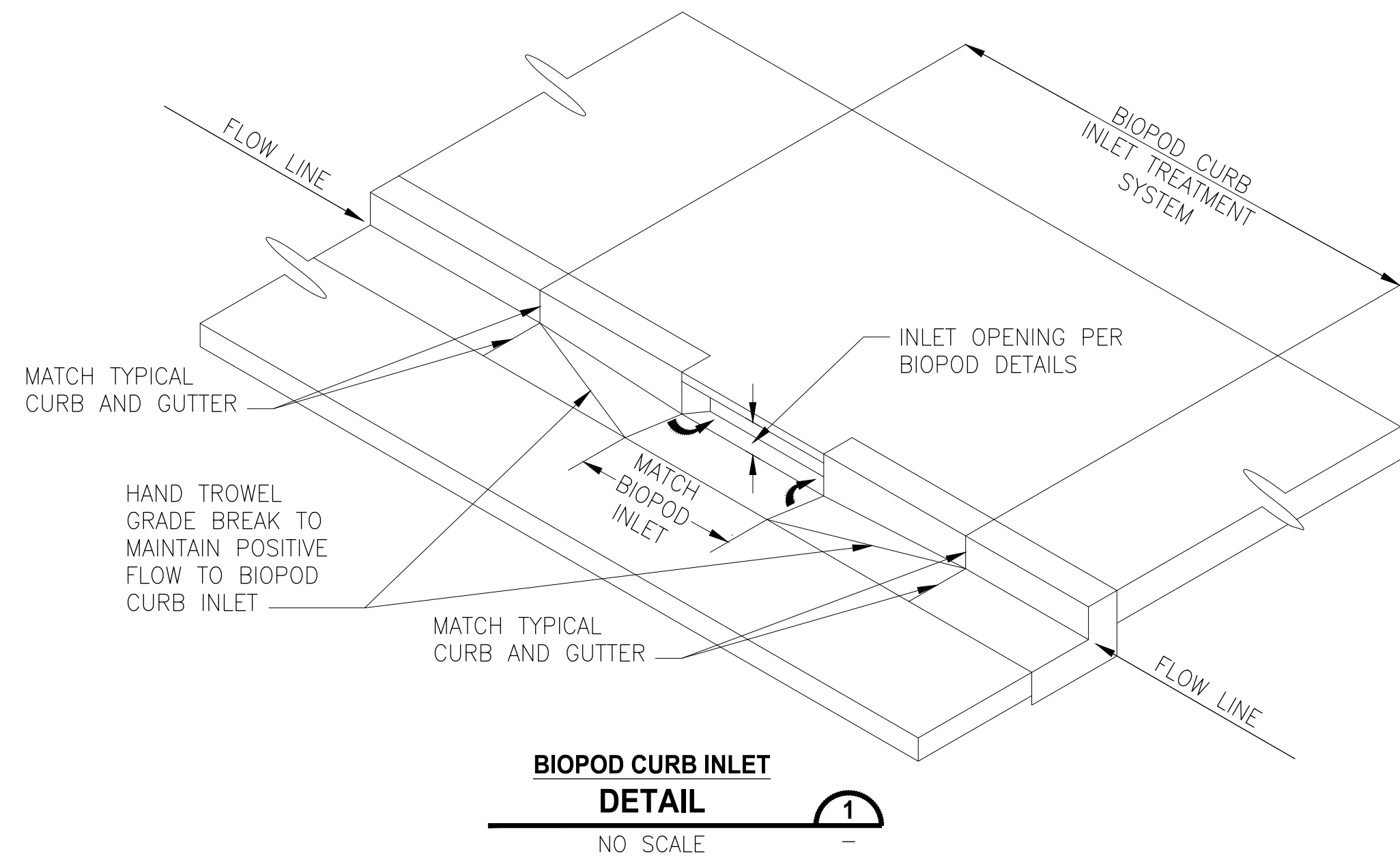


FIELD BOOK
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B
CITY OF BREMERTON
DRAWN BY: C. ODEGARD
DATE: 07/26/2021

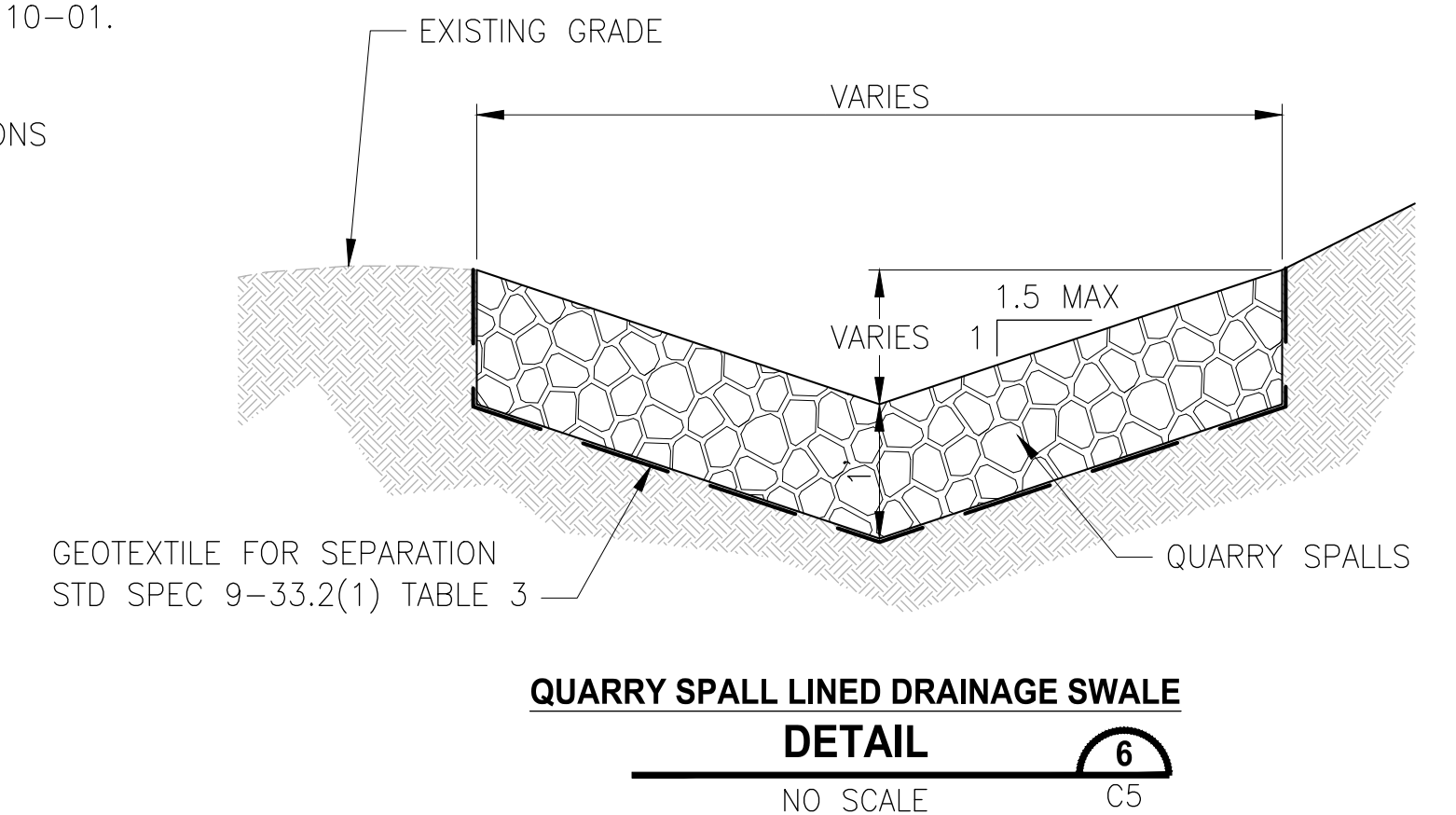
CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION
Parametrix
DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21
CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT
DETAILS
DWG NO. **D5**
SHEET 17 OF 21
PN: 876



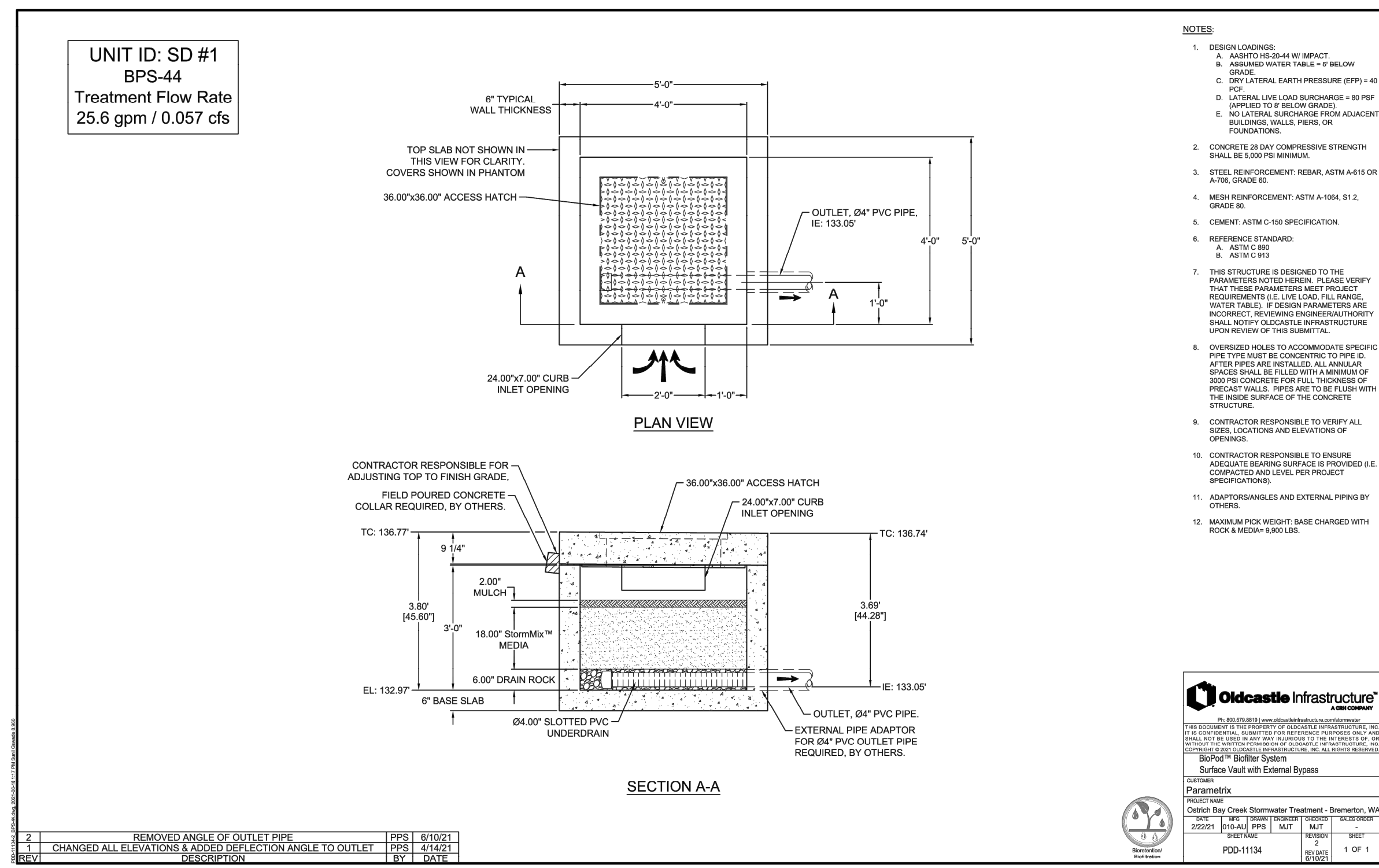
BEEHIVE GRATE NOTES:

1. FRAME AND GRATE SHALL BE LOCKING AND GRATE SHALL BE BOLTED TO FRAME. FRAME SHALL CONFORM TO WSDOT STANDARD PLAN B-30.10-01.
2. FRAME AND GRATE TO CONFORM TO WSDOT STANDARD SPECIFICATIONS 9-05.15(2).

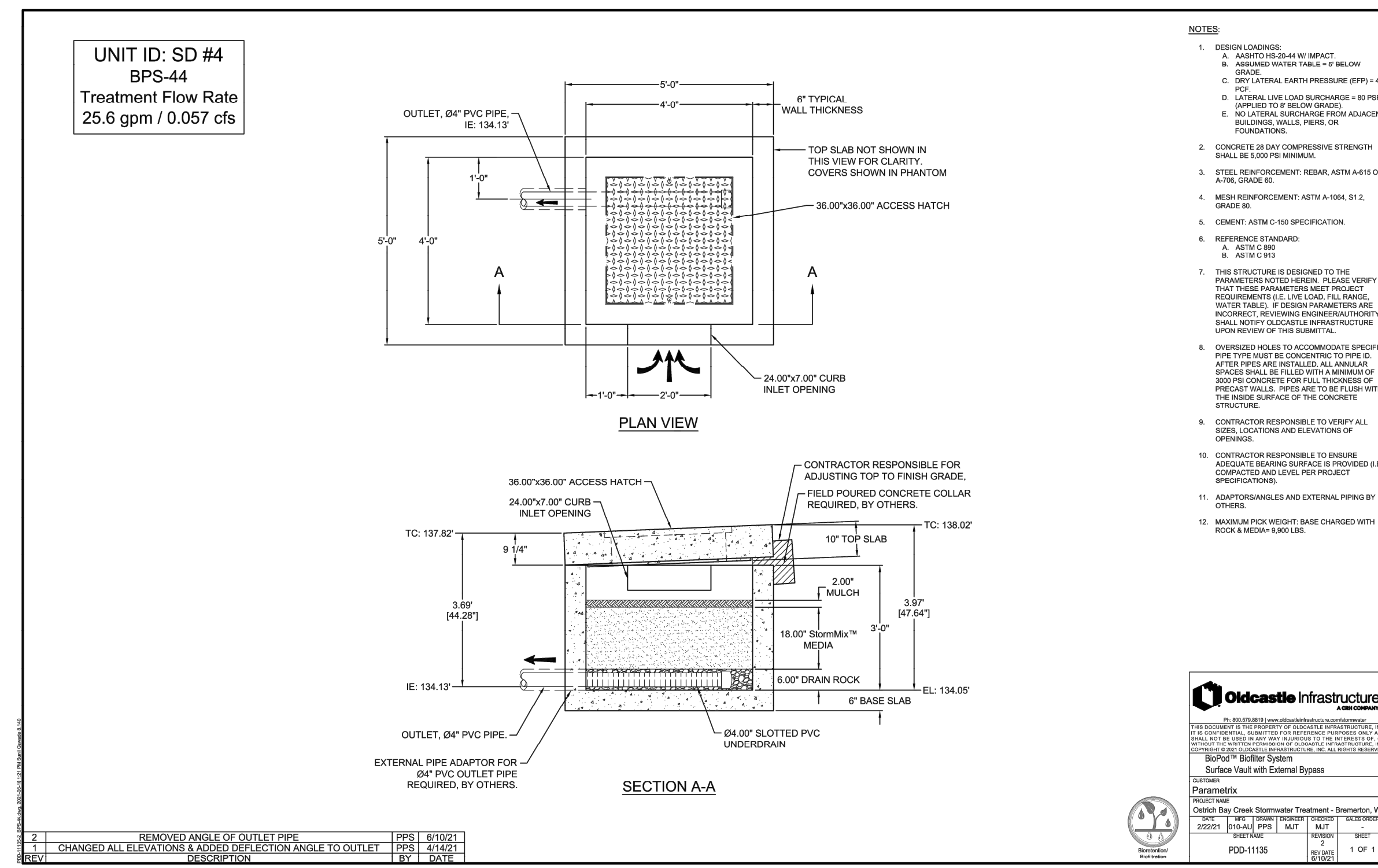


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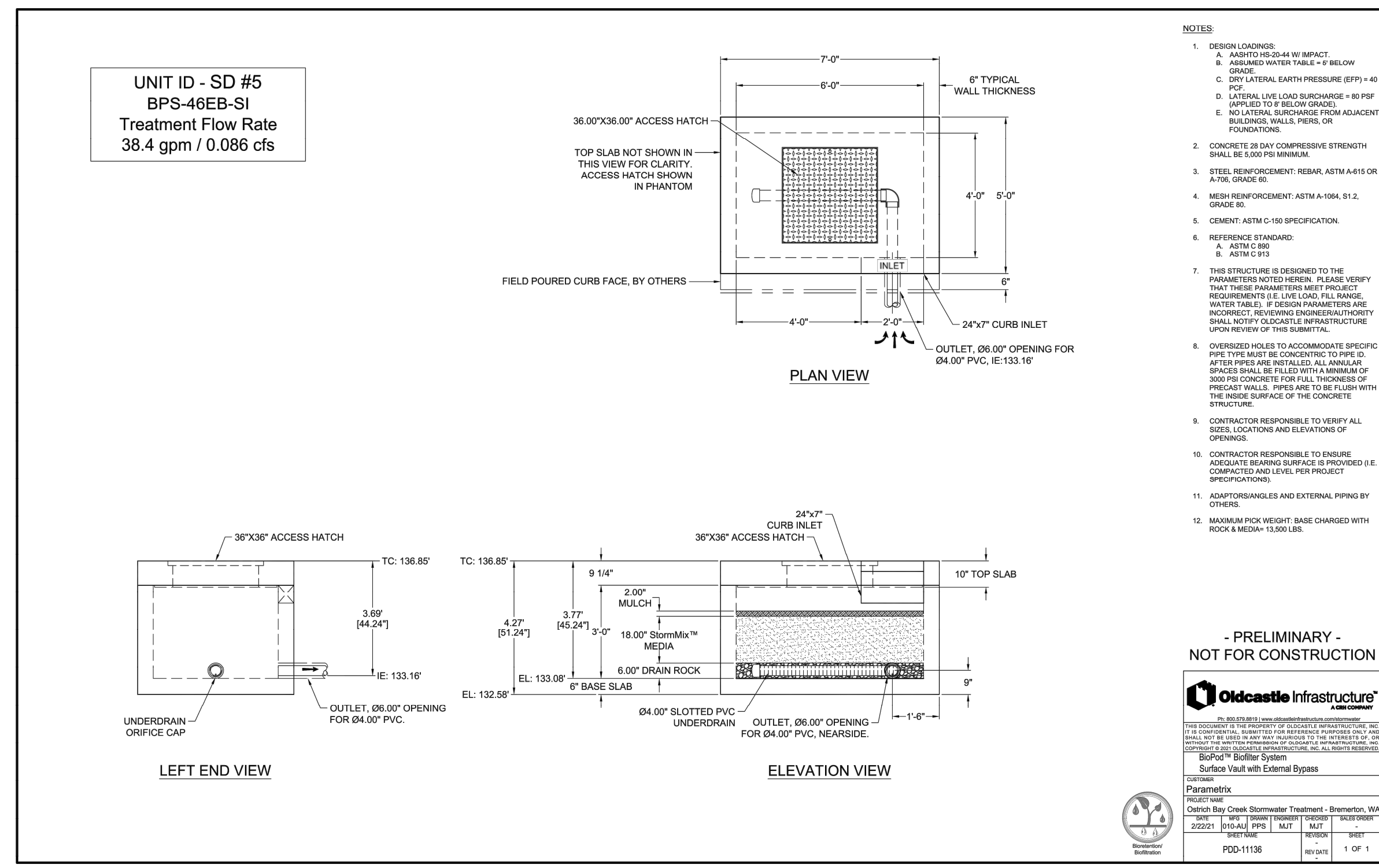
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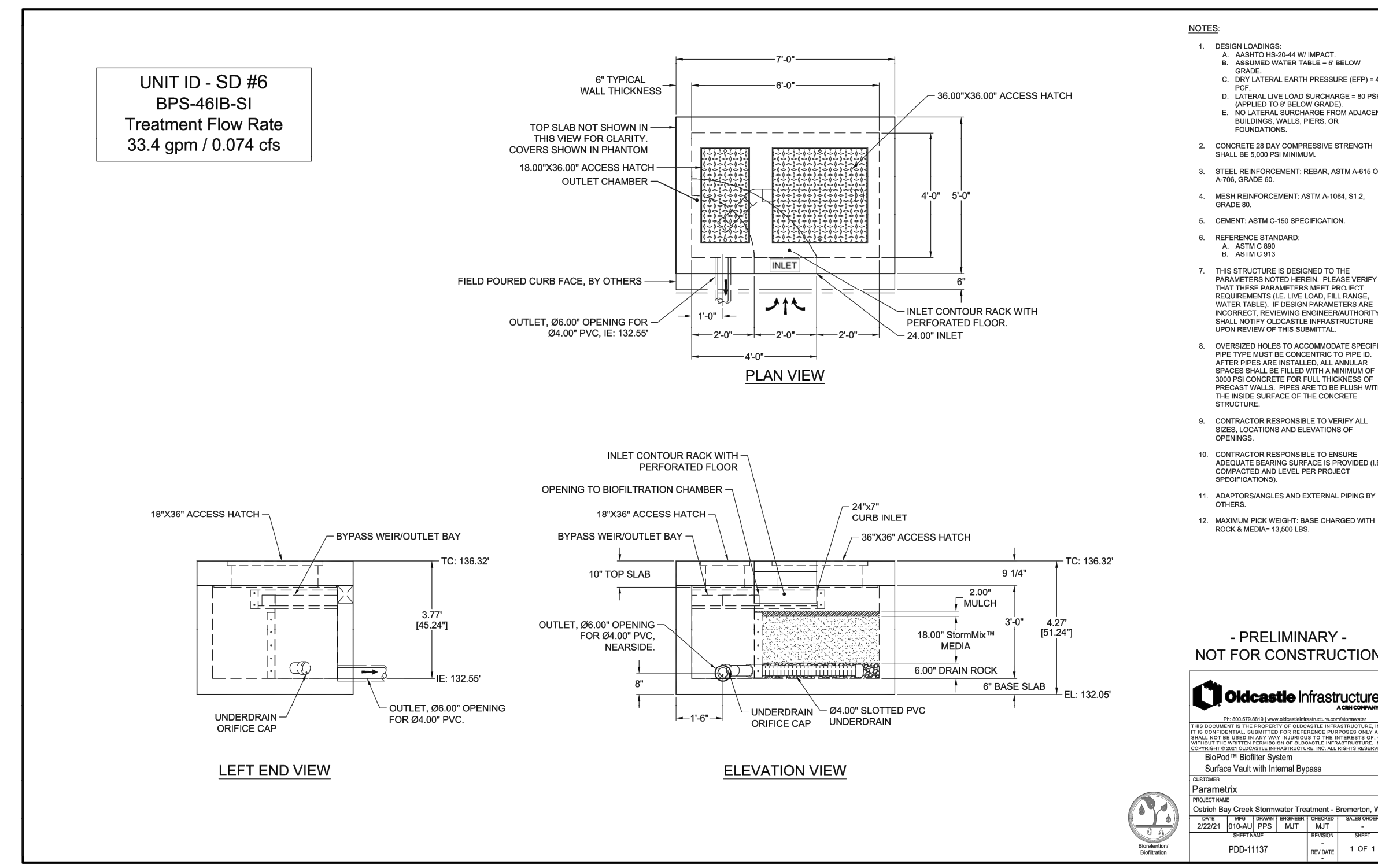
BIPOD - SD #1
DETAIL 1
NOT TO SCALE



BIPOD - SD #4
DETAIL 2
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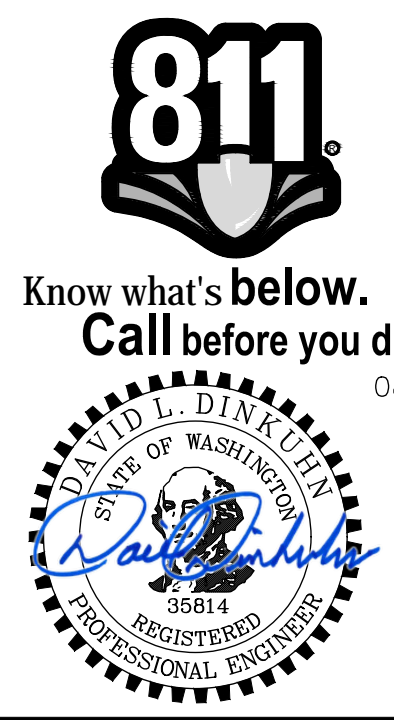
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DETAIL 3
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BIPOD - SD #6
DETAIL 4
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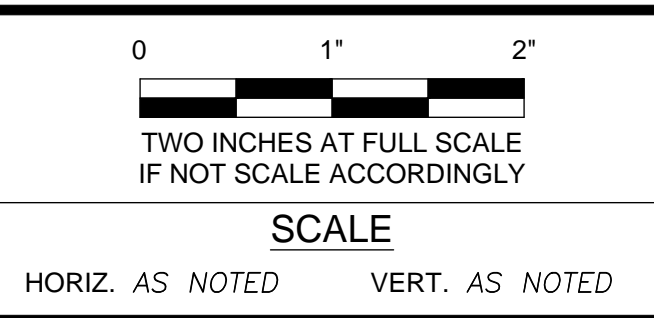
BIPOD NOTES:

- FOR BIPOD CURB INLET, SEE DETAIL 1
- CONFIRM ELEVATIONS SHOWN ON THIS SHEET MATCH THOSE SHOWN ON PLAN SHEETS C1-C7 AND D1-D2. ADJUST IF NEEDED.



Know what's below. Call before you dig. 08/03/21

NO.	REVISIONS DESCRIPTION	DATE	BY
1	CHANGED ALL ELEVATIONS & ADDED REFLECTION ANGLE TO OUTLET	PPS 8/10/21	PPS
2	REMOVED ANGLE OF OUTLET PIPE ADJUSTING TOP TO FINISH GRADE.	PPS 8/10/21	PPS



FIELD BOOK

DRAWING NO.

DRAWN BY: C. ODEGARD
DATE: 07/26/2021

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

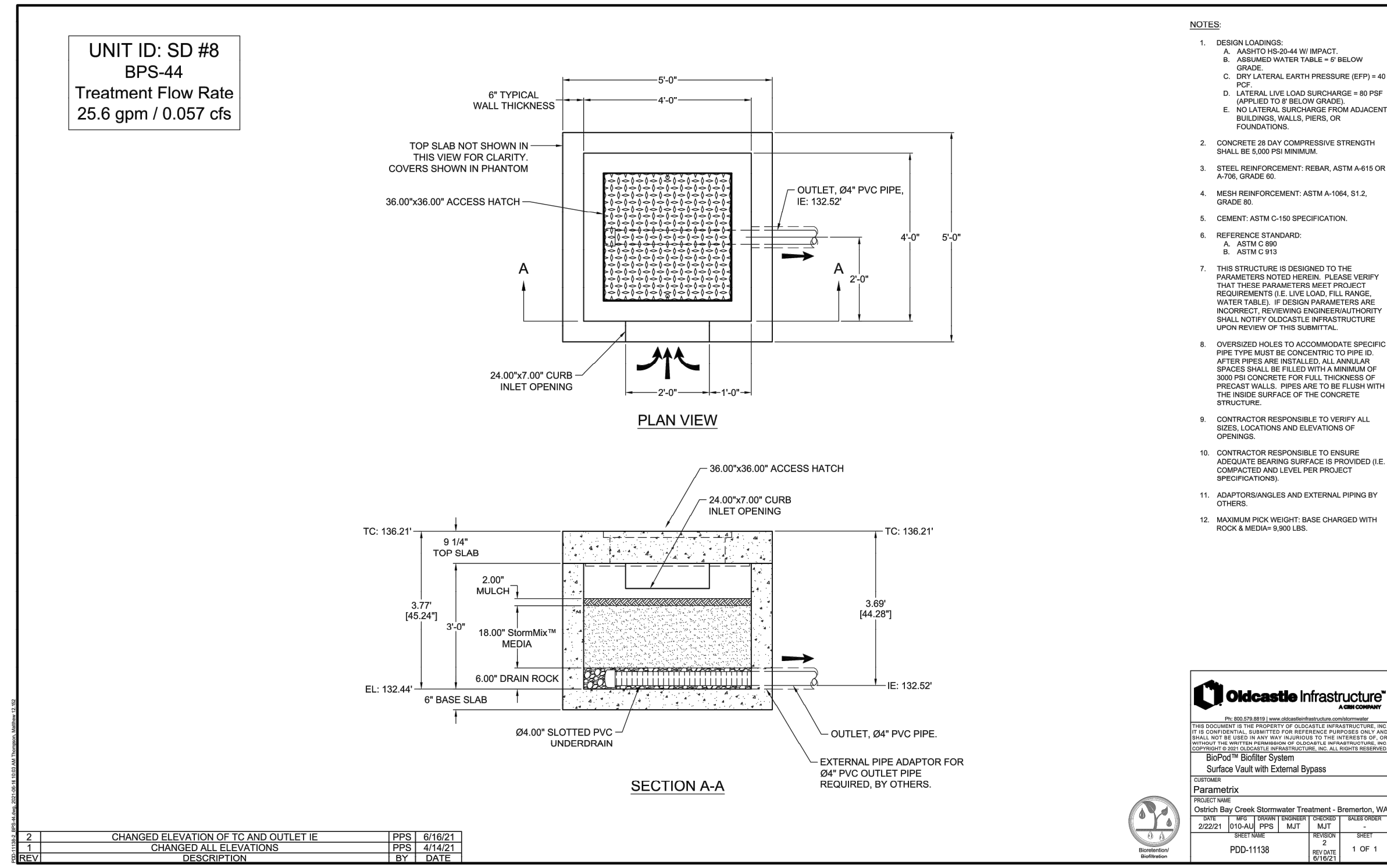
OSTRICH BAY CREEK STORMWATER TREATMENT

TREATMENT VAULT DETAILS

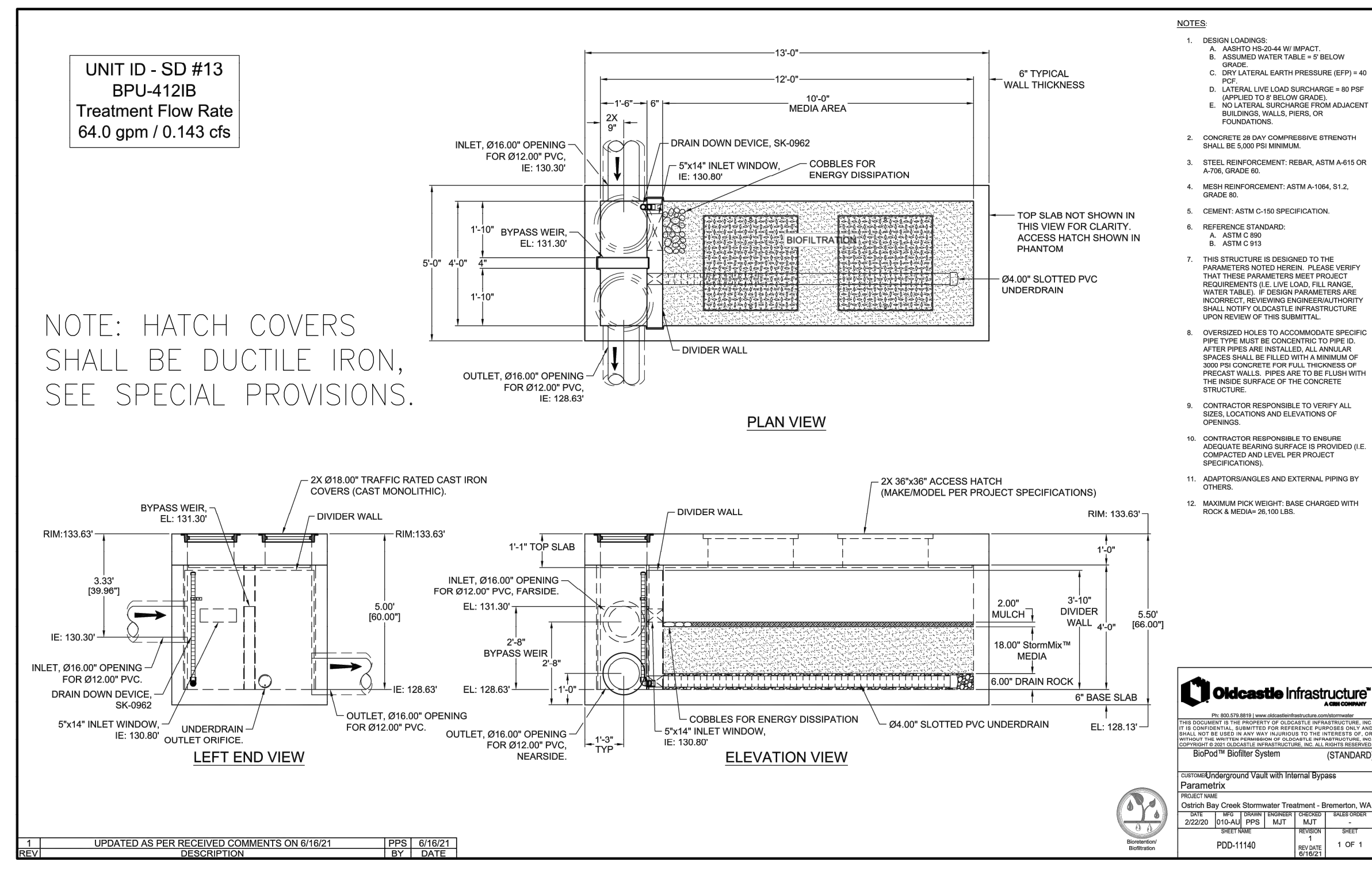
DWG NO. D6

SHEET 18 OF 21

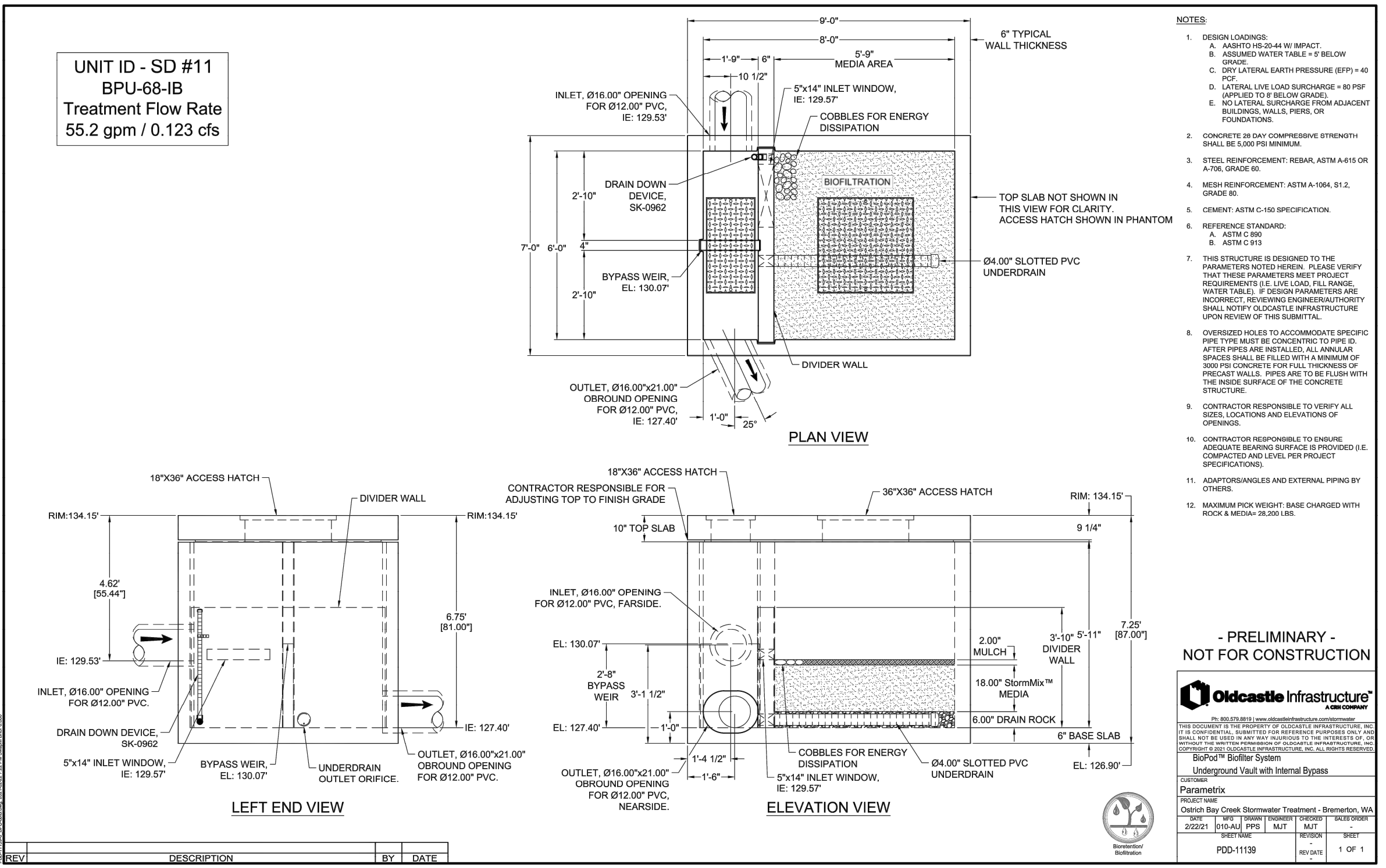
PN: 876



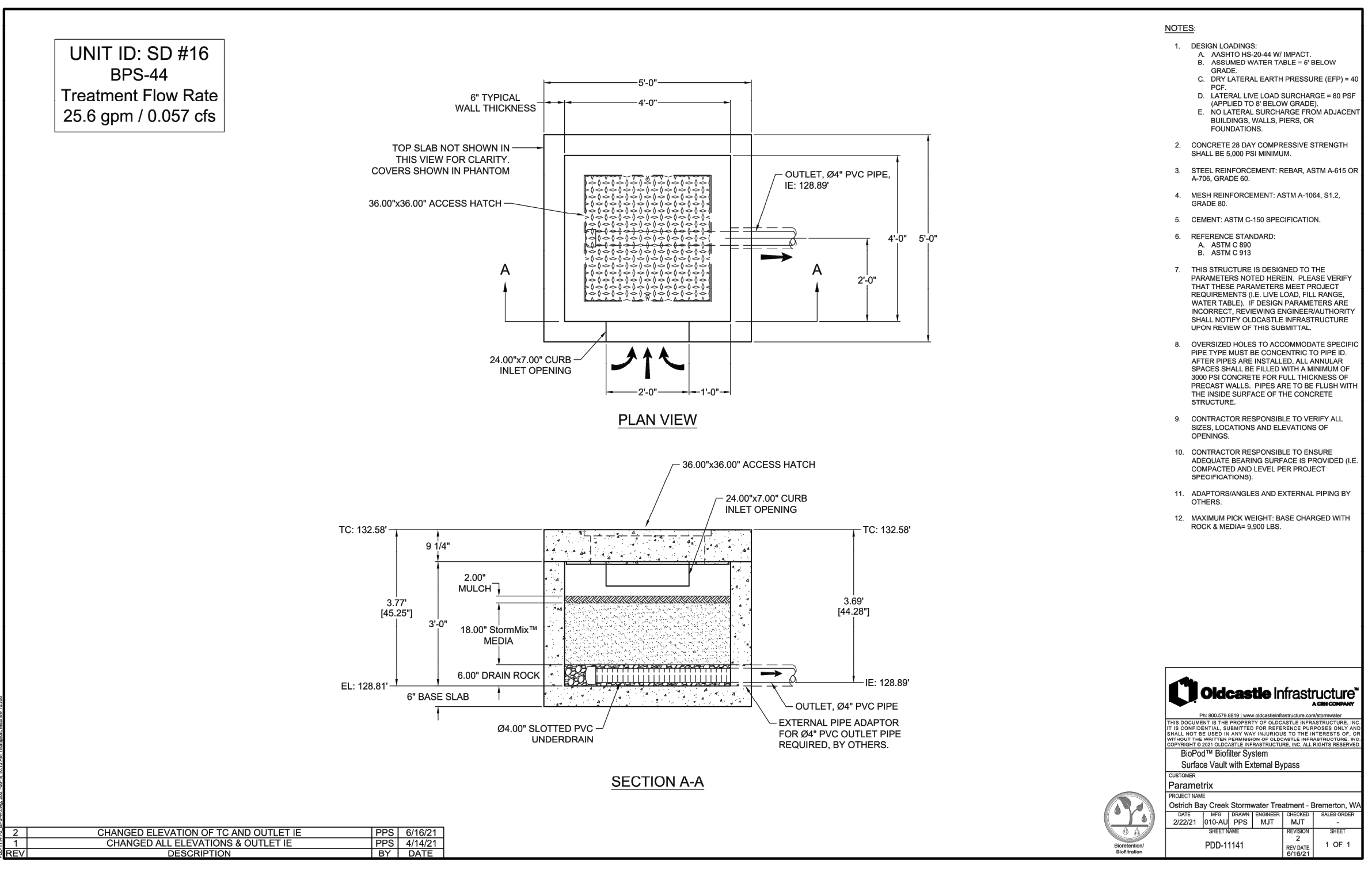
**BIPOD - SD #8
DETAIL
NOT TO SCALE**



**BIPOD - SD #13
DETAIL
NOT TO SCALE**



**BIPOD - SD #11
DETAIL
NOT TO SCALE**

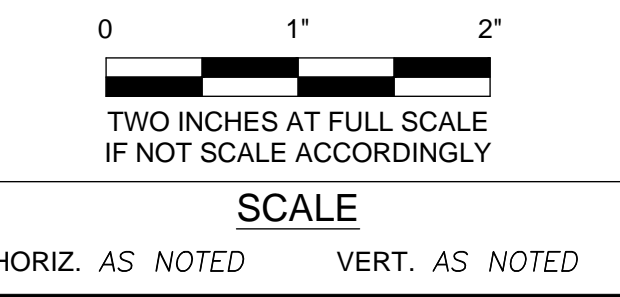


**BIPOD - SD #16
DETAIL
NOT TO SCALE**

BIPOD NOTES:

- FOR BIPOD CURB INLET, SEE DETAIL 1
- CONFIRM ELEVATIONS SHOWN ON THIS SHEET MATCH THOSE SHOWN ON PLAN SHEETS C1-C7 AND D1-D2. ADJUST IF NEEDED.

NO.	REVISIONS	DATE	BY
1	CHANGED ELEVATION OF TC AND OUTLET IE	PPS 8/16/21	
2	CHANGED ALL ELEVATIONS	PPS 8/16/21	
REV	DESCRIPTION	BY	DATE



FIELD BOOK

B
CITY OF BREMERTON

DRAWING NO. DRAWN BY: C. ODEGARD DATE: 07/26/2021

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: D. DINKUHN WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT WASH. P.E. #48258 DATE: 07/10/21

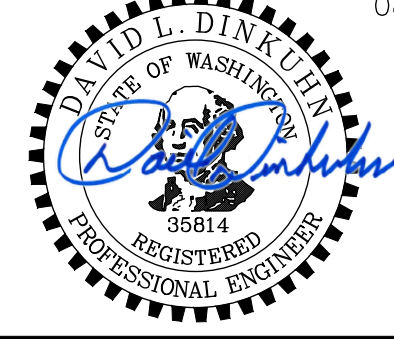
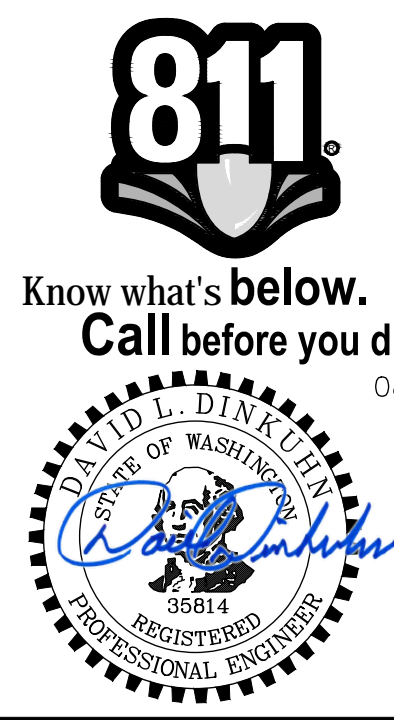
OSTRICH BAY CREEK STORMWATER TREATMENT

TREATMENT VAULT DETAILS

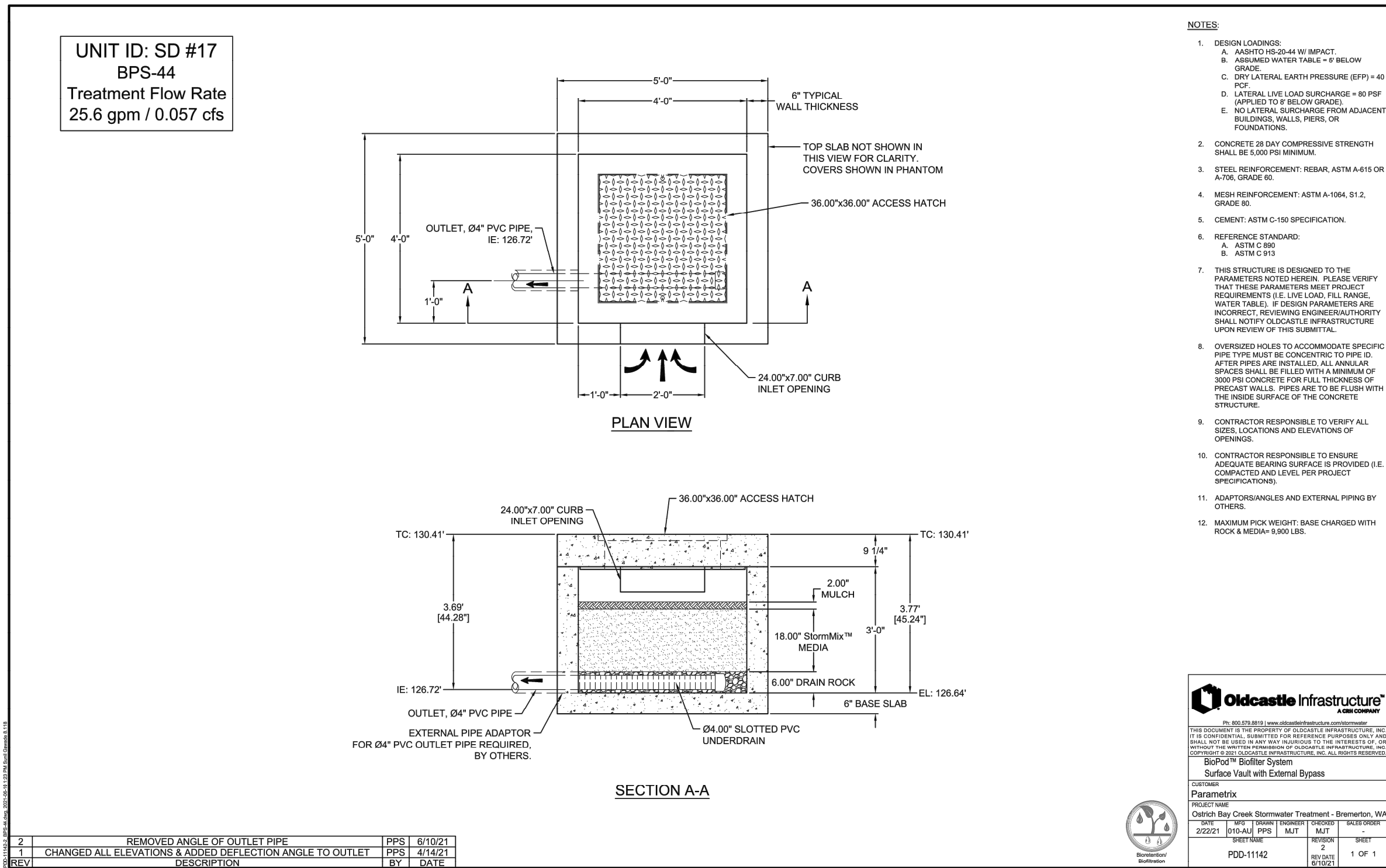
DWG NO. D7 SHEET 19 OF 21

PN: 876

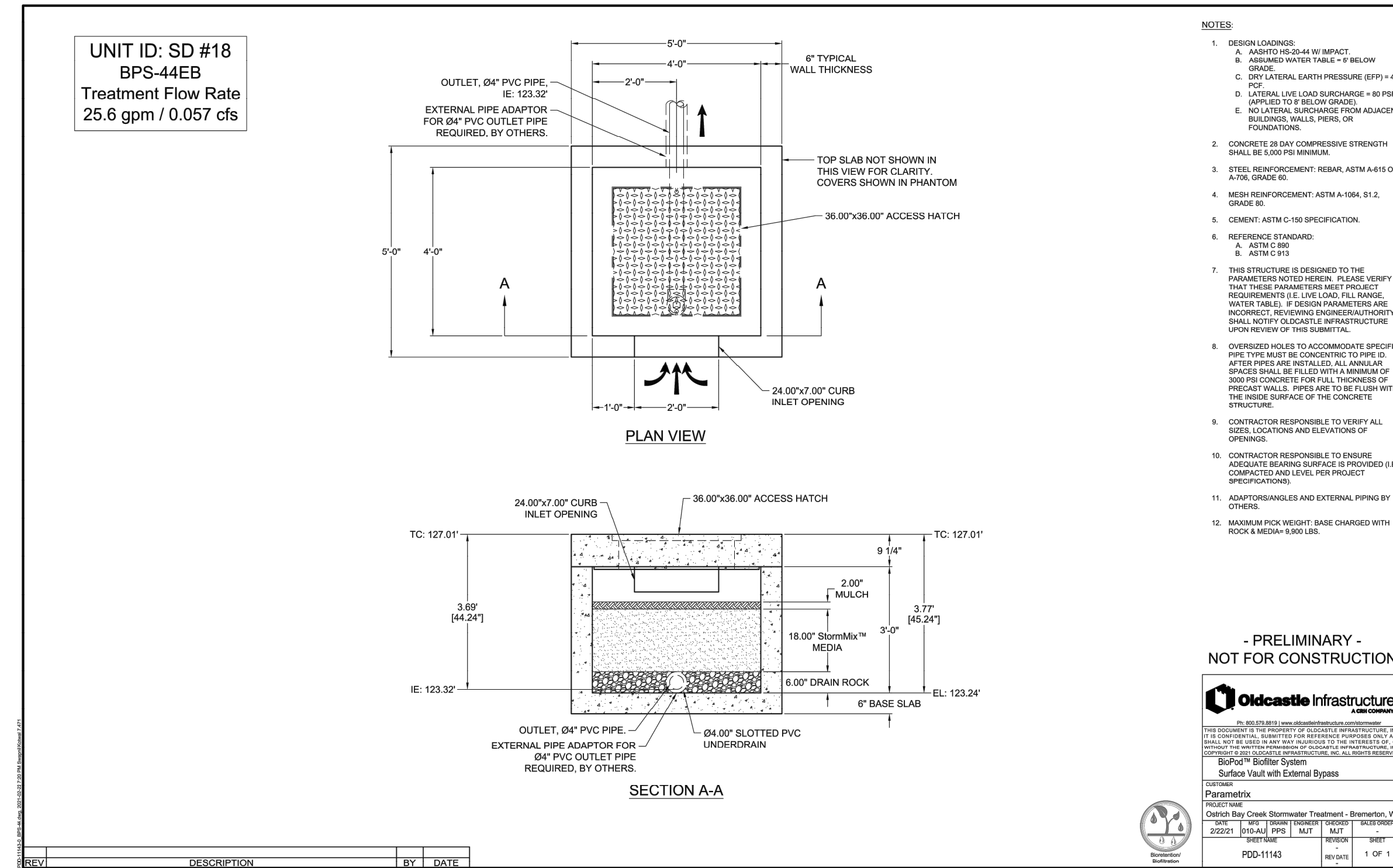
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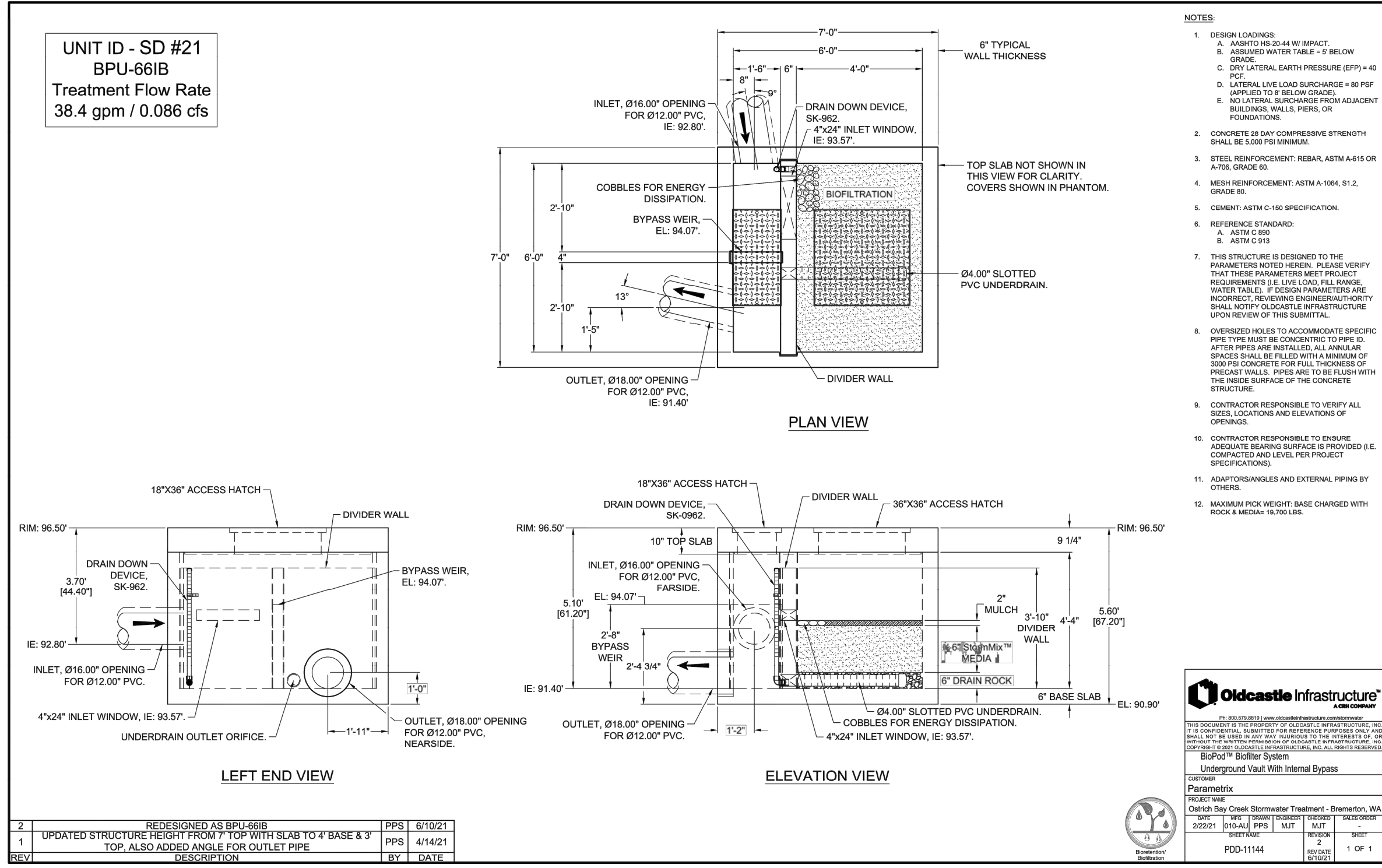
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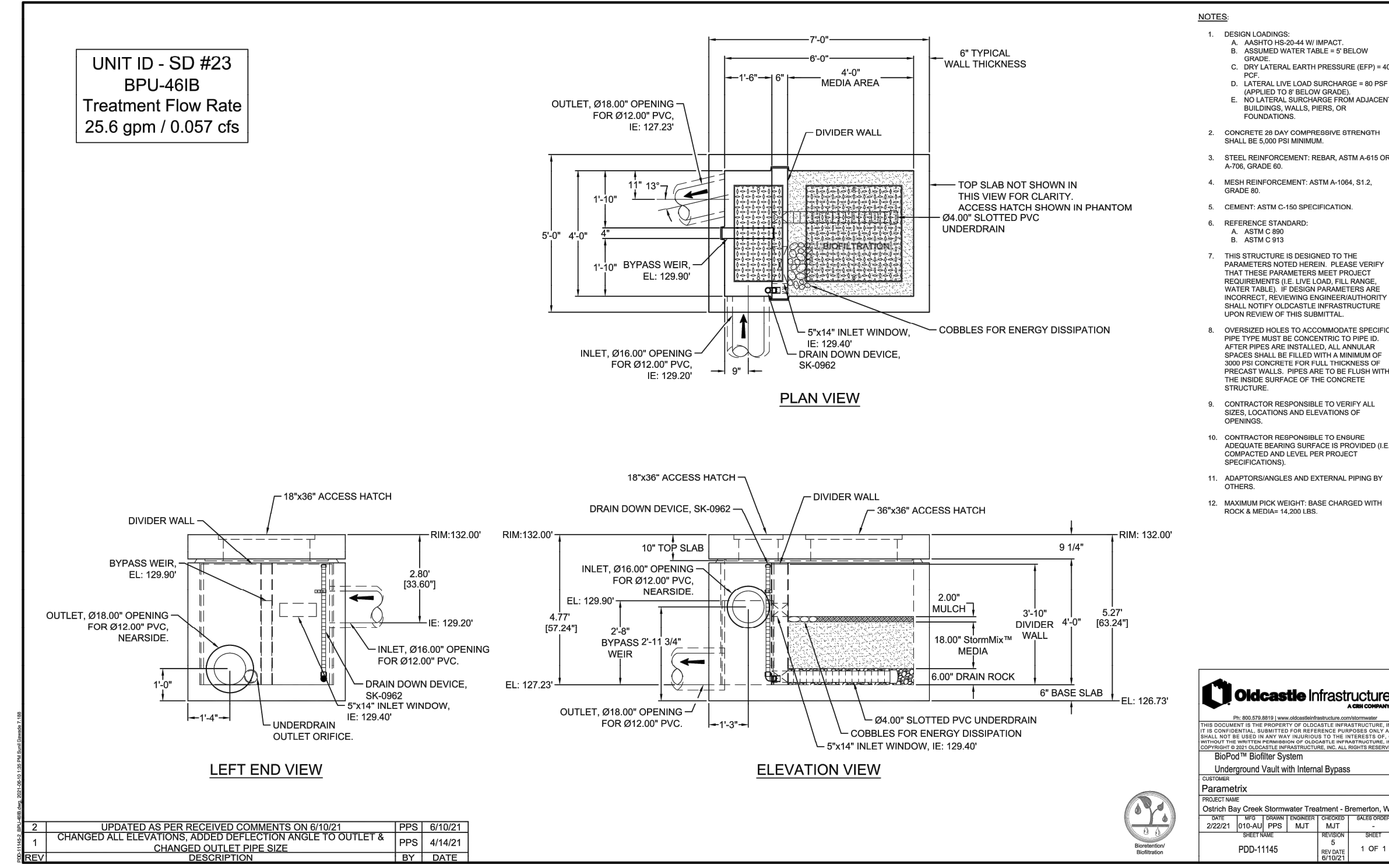
BIPOD - SD #17
DETAIL
NOT TO SCALE



BIPOD - SD #18
DETAIL
NOT TO SCALE



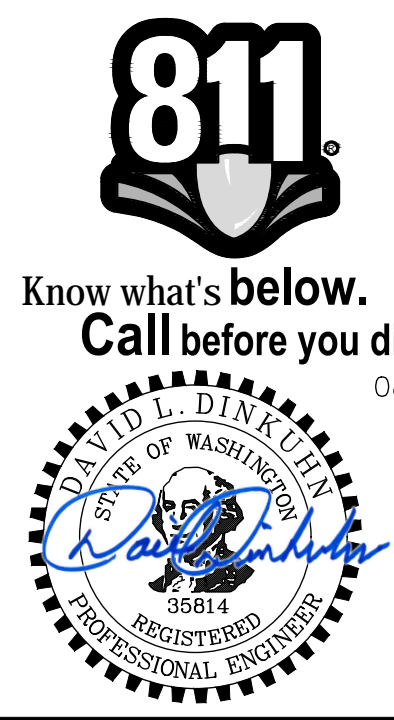
BIPOD - SD #21
DETAIL
NOT TO SCALE



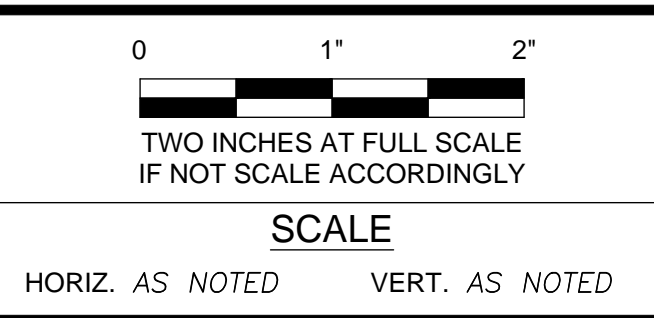
BIPOD - SD #23
DETAIL
NOT TO SCALE

BIPOD NOTES:

- FOR BIPOD CURB INLET, SEE DETAIL 1
- CONFIRM ELEVATIONS SHOWN ON THIS SHEET MATCH THOSE SHOWN ON PLAN SHEETS C1-C7 AND D1-D2. ADJUST IF NEEDED.



REVISIONS			
NO	DESCRIPTION	DATE	BY
2	REDESIGNED AS BPU-661B	08/03/21	PPS
1	UPDATED STRUCTURE HEIGHT FROM 7' TOP WITH SLAB TO 4' BASE & 3' TOP. ALSO ADDED ANGLE FOR OUTLET PIPE.	08/03/21	PPS



FIELD BOOK

DRAWING NO.

DRAWN BY: C. ODEGARD
DATE: 07/26/2021

CITY OF BREMERTON
DEPARTMENT OF PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

DESIGN BY: D. DINKUHN
WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT
WASH. P.E. #48258 DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT

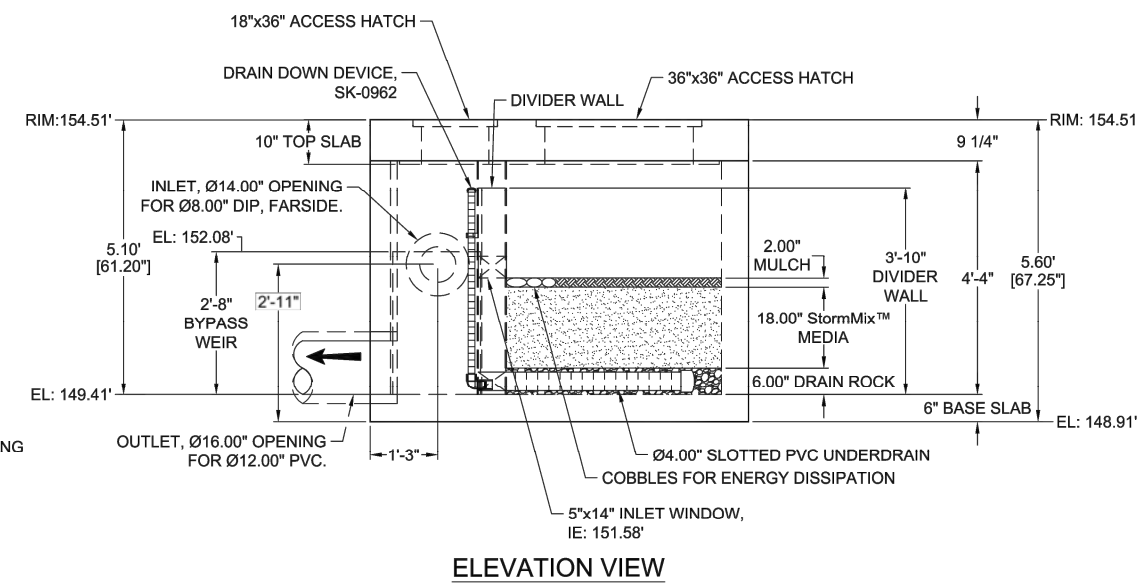
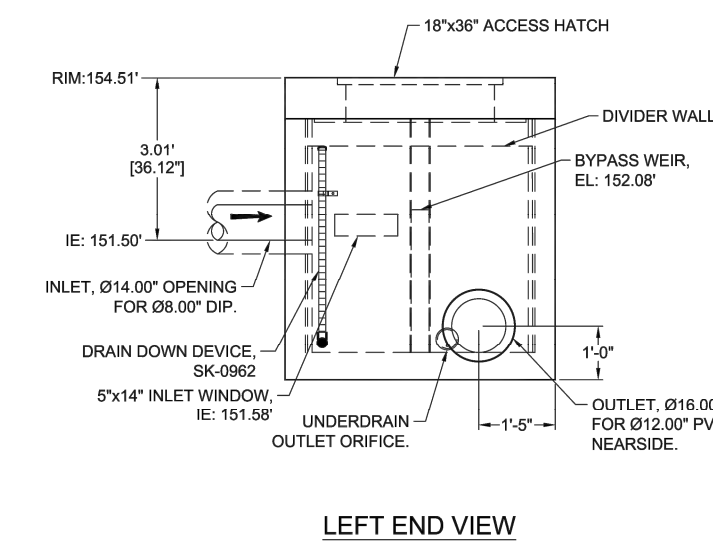
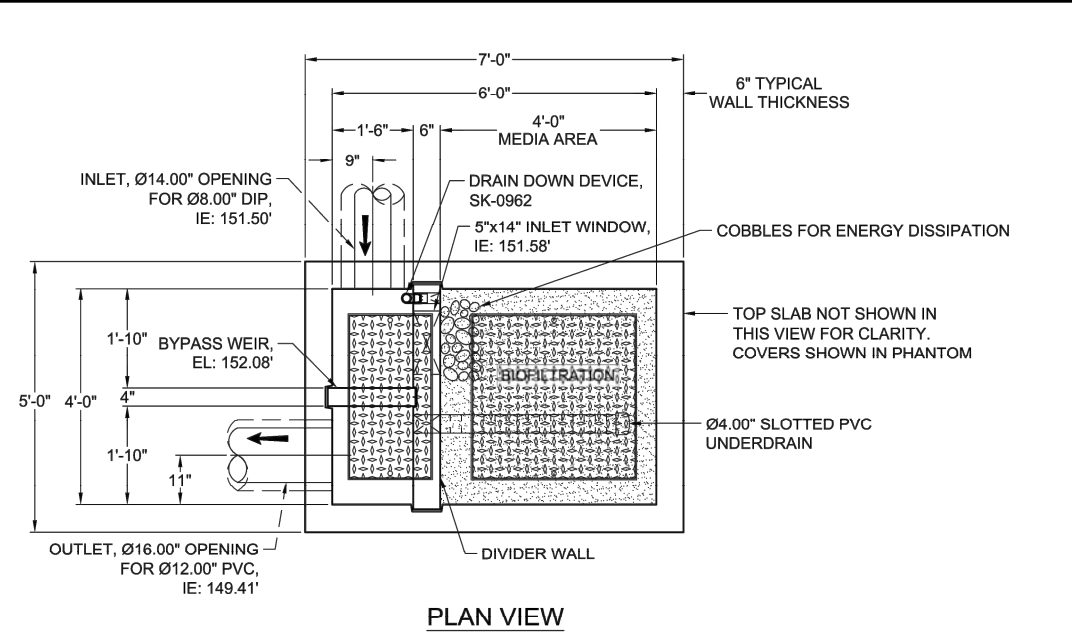
TREATMENT VAULT DETAILS

DWG NO. D8

SHEET 20 OF 21

PN: 876

UNIT ID - SD #25
 BPU-461B
 Treatment Flow Rate
 25.6 gpm / 0.057 cfs



NOTES

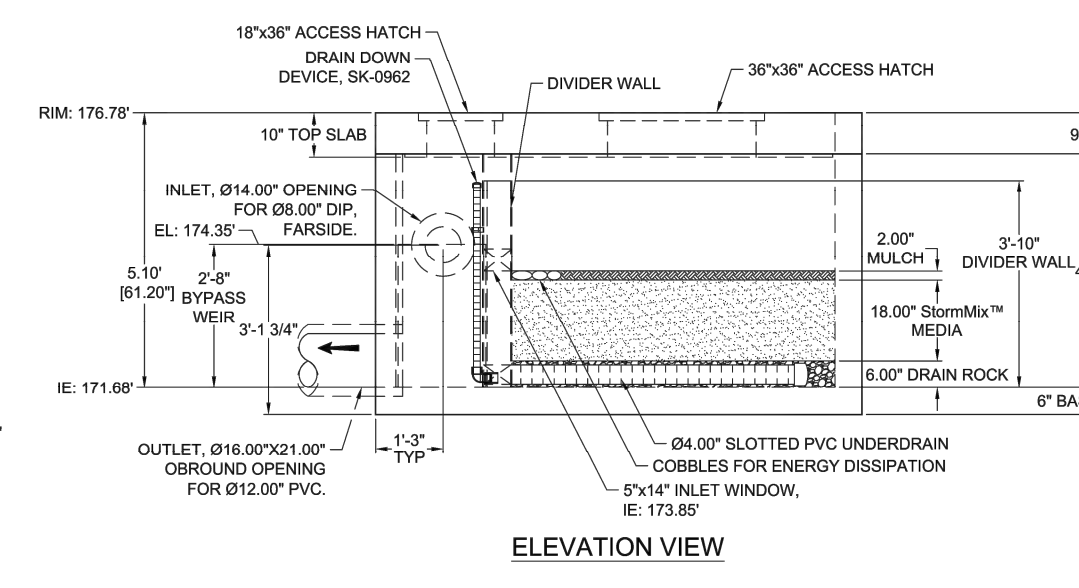
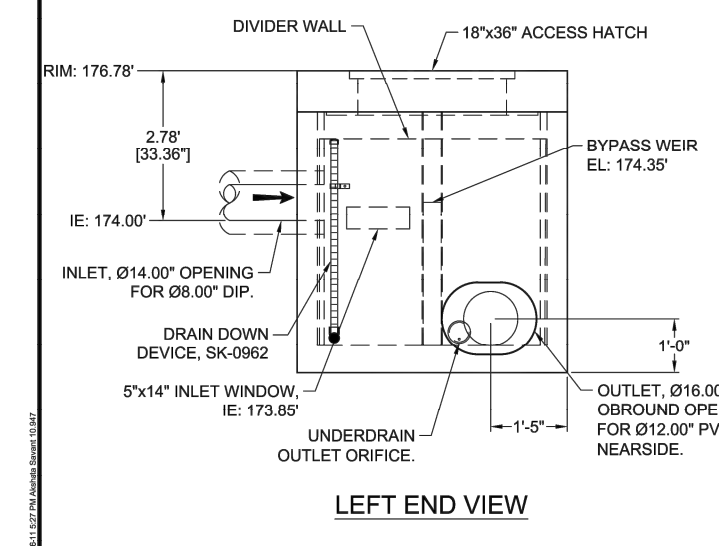
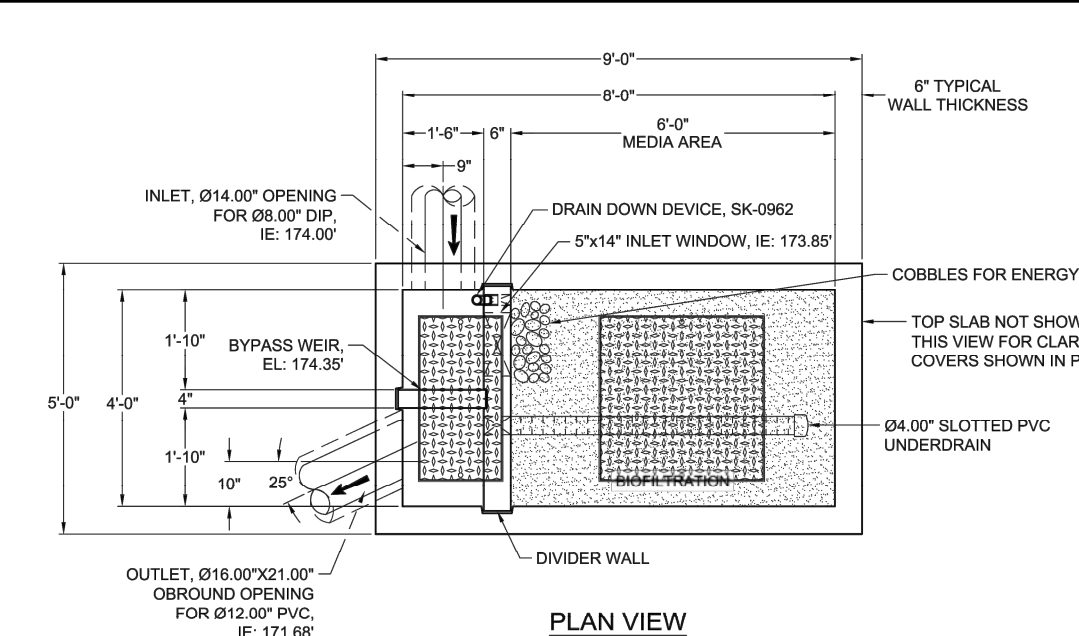
- DESIGN LOADINGS:
 A. ASD/PTD/SL44 W/ IMPACT
 B. ASSUMED WATER TABLE = 9' BELOW GRADE
 C. 20' AT-TOTAL SURFACE PRESSURE (20' x 40' PCL)
 D. LATERAL LOAD SURCHARGE = 10' PSF APPLIED TO 8' BELOW GRADE
 E. NO LATERAL SURCHARGE FROM ADJACENT BUILDING WALLS, PERIS OR FOUNDATIONS
- CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 3000 PSI MINIMUM
- STEEL REINFORCEMENT: REBAR ASTM A618 OR A-76, GRADE 60
- MEIN REINFORCEMENT: ASTM A194, S1.2, GRADE 80
- CEMENT: ASTM C-150 SPECIFICATION
- REFERENCE STANDARD:
 A. ASTM C 500
 B. ASTM C 913
- THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. LIVE LOAD, FILL BEARING WATER TABLE). IF DESIGN PARAMETERS ARE INCORRECT, PROVIDING ENGINEERING THEORY, SHALL NOTIFY OLDCASTLE INFRASTRUCTURE UPON REVIEW OF THIS SUBMITTAL.
- OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPES MUST BE CONCRETE TO PIPE ID AFTER PIPES ARE INSTALLED. ALL ANNULAR SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS. PIPES ARE TO BE FLUSH WITH THE INSIDE SURFACE OF THE CONCRETE STRUCTURE.
- CONTRACTOR RESPONSIBLE TO VERIFY ALL SIZES, LOCATIONS AND ELEVATIONS OF OPENINGS.
- CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE BEARING SURFACE IS PROVIDED (I.E. COMPACTED AND LEVEL PER PROJECT SPECIFICATIONS)
- ADJUST POSITIONS AND INTERNAL PIPING BY OTHERS.
- MAXIMUM PICK WEIGHT: BASE CHARGED WITH ROCK & MEDIA FLUABLE.

Oldcastle Infrastructure
 Biopod® System
 Underground Vault with Internal Bypass

3	CHANGED RIM ELEVATION AND OUTLET IE	PPS	6/16/21
2	REDESIGNED AS BPU-461B	PPS	6/10/21
1	WAS 461B (BPU-461B)	PPS	4/14/21
REV	DESCRIPTION	BY	DATE

BIOPOD - SD #25
 DETAIL 1
 NOT TO SCALE

UNIT ID - SD #29
 BPU-481B
 Treatment Flow Rate
 38.4 gpm / 0.086 cfs



NOTES

- DESIGN LOADINGS:
 A. ASD/PTD/SL44 W/ IMPACT
 B. ASSUMED WATER TABLE = 9' BELOW GRADE
 C. 20' AT-TOTAL SURFACE PRESSURE (20' x 40' PCL)
 D. LATERAL LOAD SURCHARGE = 10' PSF APPLIED TO 8' BELOW GRADE
 E. NO LATERAL SURCHARGE FROM ADJACENT BUILDING WALLS, PERIS OR FOUNDATIONS
- CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 3000 PSI MINIMUM
- STEEL REINFORCEMENT: REBAR ASTM A618 OR A-76, GRADE 60
- MEIN REINFORCEMENT: ASTM A194, S1.2, GRADE 80
- CEMENT: ASTM C-150 SPECIFICATION
- REFERENCE STANDARD:
 A. ASTM C 500
 B. ASTM C 913
- THIS STRUCTURE IS DESIGNED TO THE PARAMETERS NOTED HEREIN. PLEASE VERIFY THAT THESE PARAMETERS MEET PROJECT REQUIREMENTS (I.E. LIVE LOAD, FILL BEARING WATER TABLE). IF DESIGN PARAMETERS ARE INCORRECT, PROVIDING ENGINEERING THEORY, SHALL NOTIFY OLDCASTLE INFRASTRUCTURE UPON REVIEW OF THIS SUBMITTAL.
- OVERSIZED HOLES TO ACCOMMODATE SPECIFIC PIPE TYPES MUST BE CONCRETE TO PIPE ID AFTER PIPES ARE INSTALLED. ALL ANNULAR SPACES SHALL BE FILLED WITH A MINIMUM OF 3000 PSI CONCRETE FOR FULL THICKNESS OF PRECAST WALLS. PIPES ARE TO BE FLUSH WITH THE INSIDE SURFACE OF THE CONCRETE STRUCTURE.
- CONTRACTOR RESPONSIBLE TO VERIFY ALL SIZES, LOCATIONS AND ELEVATIONS OF OPENINGS.
- CONTRACTOR RESPONSIBLE TO ENSURE ADEQUATE BEARING SURFACE IS PROVIDED (I.E. COMPACTED AND LEVEL PER PROJECT SPECIFICATIONS)
- ADJUST POSITIONS AND INTERNAL PIPING BY OTHERS.
- MAXIMUM PICK WEIGHT: BASE CHARGED WITH ROCK & MEDIA FLUABLE.

Oldcastle Infrastructure
 Biopod® System
 Underground Vault with Internal Bypass

2	REDESIGNED AS BPU-461B	PPS	6/10/21
1	WAS 481B (BPU-481B)	PPS	4/14/21
REV	DESCRIPTION	BY	DATE

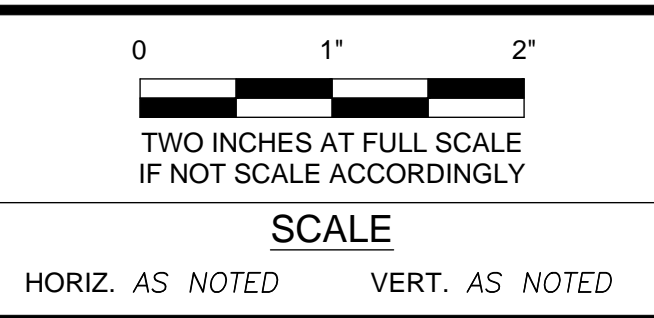
BIOPOD - SD #29
 DETAIL 2
 NOT TO SCALE

BIOPOD NOTES:
 1. CONFIRM ELEVATIONS SHOWN ON THIS SHEET MATCH THOSE SHOWN ON PLAN SHEETS C1-C7 AND D1-D2. ADJUST IF NEEDED.

FILE: P:\18186173-D01 LAYOUT_09 PATH: U:\PSO\Projects\Clients\18186-1896-173 OstrichBayCreekStormwtr\995xva_CADD\DWG PLOTTED BY: OdegaCoo DATE: Monday, August 2, 2021 3:45:00 PM

811 Know what's below. Call before you dig. 08/03/21

NO	REVISIONS	DATE	BY
	DESCRIPTION		



FIELD BOOK

DRAWING NO. DRAWN BY: C. ODEGARD DATE: 07/26/2021

CITY OF BREMERTON DEPARTMENT OF PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

DESIGN BY: D. DINKUHN WASH. P.E. #35814 DATE: 07/26/21

CHECKED BY: J. WRIGHT WASH. P.E. #48258 DATE: 07/10/21

OSTRICH BAY CREEK STORMWATER TREATMENT TREATMENT VAULT DETAILS

DWG NO. D9 SHEET 21 OF 21

PN: 876

BID SET