



C:\PROJ\2021\21-07564-000\CAD\SHEET NOTES - LEGEND.DWG 9/14/2023  
 Filename: COBI-Gen-Shts  
 XREF Filename:

Section: S-T-N-R-E  
 Drawn By:  
 Checked By:

Control Monument:  
 Field Bk./Pg:  
 Surveyed By:  
 Date:

Recorded Survey:  
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Constructed By:  
 Date:

**ABBREVIATIONS**

APPROX	APPROXIMATE
AVG	AVERAGE
CB	CATCH BASIN
CDF	CONTROLLED DENSITY FILL
CG	CLEAR AND GRUB
COBI	CITY OF BAINBRIDGE ISLAND
CONC	CONCRETE
CONST	CONSTRUCT, CONSTRUCTION
CP	CONTROL POINT
DIA	DIAMETER
DWG	DRAWING
E	EAST, EASTING
EA	EACH
EC	EROSION CONTROL
EG	EXISTING GRADE
EL	ELEVATION
EX	EXISTING
FG	FINISH GRADE
FL	FLOWLINE
FT	FEET/FOOT
GB	GRADE BREAK
HOR	HORIZONTAL
HMA	HOT MIX ASPHALT
HT	HEIGHT
HVF	HIGH VISIBILITY FENCE
HVSF	HIGH VISIBILITY SILT FENCE
IE	INVERT ELEVATION
IN	INCH/INCHES
L	LENGTH
LF	LINEAL FOOT/FEET
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
N	NORTH/NORTHING
NA	NOT APPLICABLE
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
QTY	QUANTITY
REF	REFERENCE
ROW	RIGHT-OF-WAY
RT	RIGHT
S	SOUTH, SLOPE
SCG	SELECTIVE CLEARING AND GRUBBING
SCH	SCHEDULE
SSP	STORM SEWER PIPE
SPEC	SPECIFICATION
STD	STANDARD
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
TRM	TURF REINFORCEMENT MAT
TYP	TYPICAL
W	WEST, WATER
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
WSE	WATER SURFACE ELEVATION

**LEGEND - EXISTING**

	PROPERTY LINE
	STORM SEWER
	FENCE
	GRAVEL
	WATER METER & BOX
	WATER VALVE
	CATCHBASIN
	AREA DRAIN
	TREE
	DATUM
	CONTROL POINT

**LEGEND - PROPOSED**


	DISTURBANCE LIMITS
	GRADING LIMITS
	REMOVED ITEM
	ABANDONED ITEM
	HI-VISIBILITY FENCE
	HI-VISIBILITY SILT FENCE
	WATTLES
	CLEARING AND GRUBBING LIMITS
	SELECTIVE CLEARING AND GRUBBING LIMITS
	CONSTRUCTION STAGING AREA
	STABILIZED CONSTRUCTION ENTRANCE
	TREE REMOVAL
	ACCESS DRIVE
	VEHICULAR PAVEMENT
	CEMENT CONC PAVEMENT
	TRAIL PAVEMENT
	SAND FILTER
	QUARRY SPALLS
	COBBLES
	EROSION CONTROL BLANKET
	WSDOT CATCH BASIN TYPE 1
	WSDOT CATCH BASIN TYPE 2

**GENERAL NOTES:**


1. PROTECTION OF THE ENVIRONMENT: NO CONSTRUCTION RELATED ACTIVITY SHALL CONTRIBUTE TO THE DEGRADATION OF THE ENVIRONMENT, ALLOW MATERIAL TO ENTER SURFACE OR GROUND WATERS, OR ALLOW PARTICULATE EMISSIONS TO THE ATMOSPHERE, WHICH EXCEED STATE OR FEDERAL STANDARDS. ANY ACTIONS THAT POTENTIALLY ALLOW A DISCHARGE TO STATE WATERS MUST HAVE PRIOR APPROVAL OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY

**ISSUED FOR BIDDING**

NO.	DATE	BY	REVISION



Scale:  
 Horiz: AS NOTED  
 Vert: NONE  
 Designed By:  
 D. WERNER  
 Inspected By:  
 M. FONTAINE  
 W.O. No.:  
 Date:  
 SEPT 2023



**CITY OF BAINBRIDGE ISLAND**  
 ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK



ABBREVIATIONS, LEGEND, NOTES

Drawing No.  
**G0.02**  
 Sheet No.  
**2** / 18  
 Of Total

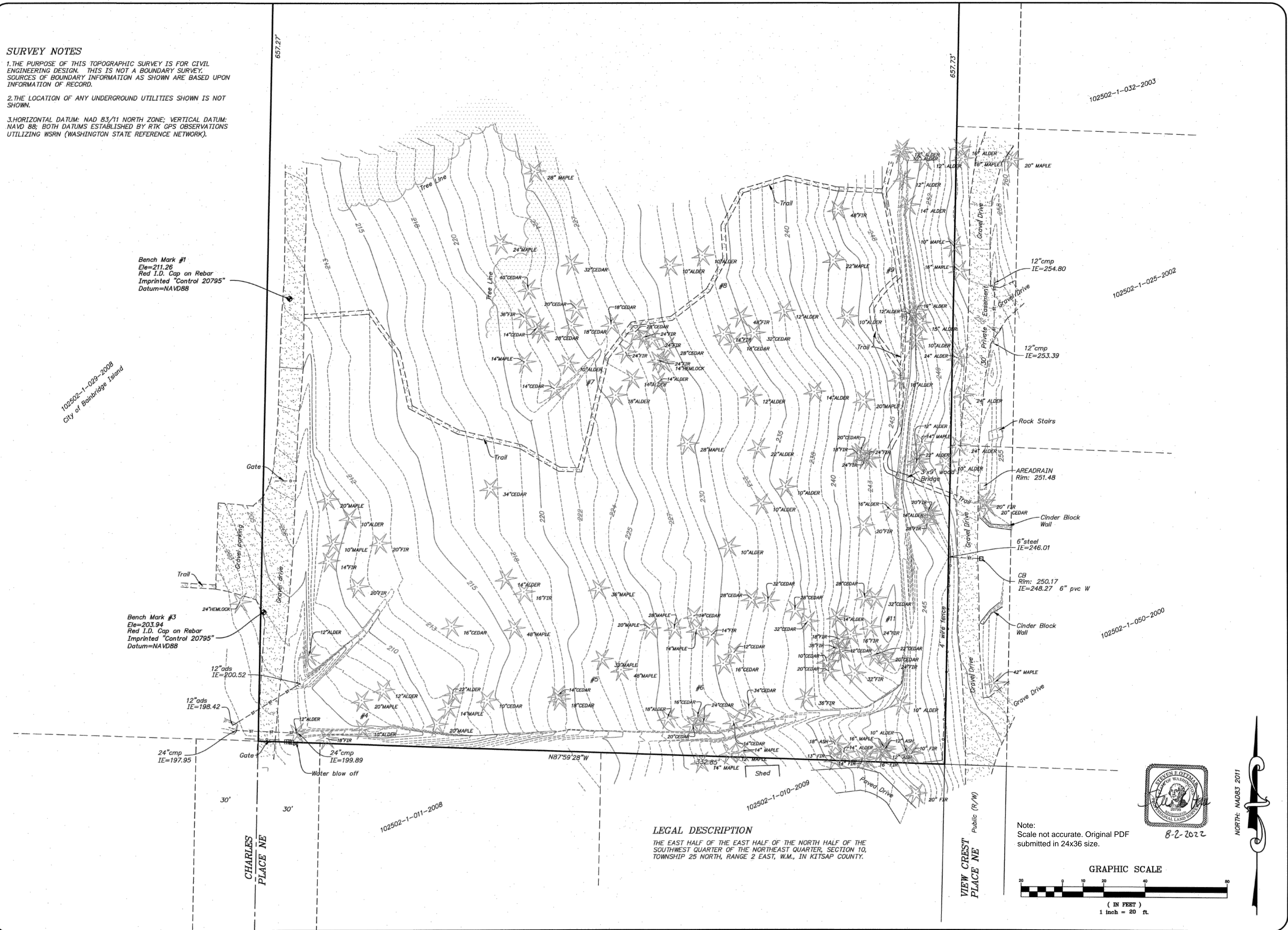
**SURVEY NOTES**

1. THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS FOR CIVIL ENGINEERING DESIGN. THIS IS NOT A BOUNDARY SURVEY. SOURCES OF BOUNDARY INFORMATION AS SHOWN ARE BASED UPON INFORMATION OF RECORD.
2. THE LOCATION OF ANY UNDERGROUND UTILITIES SHOWN IS NOT SHOWN.
3. HORIZONTAL DATUM: NAD 83/11 NORTH ZONE; VERTICAL DATUM: NAVD 88; BOTH DATUMS ESTABLISHED BY RTK GPS OBSERVATIONS UTILIZING WSRN (WASHINGTON STATE REFERENCE NETWORK).

102502-1-029-2008  
City of Bainbridge Island

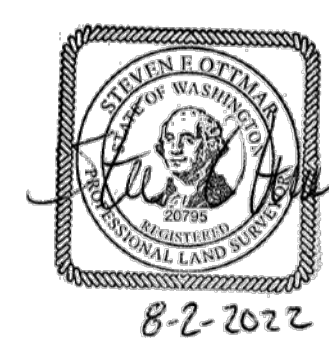
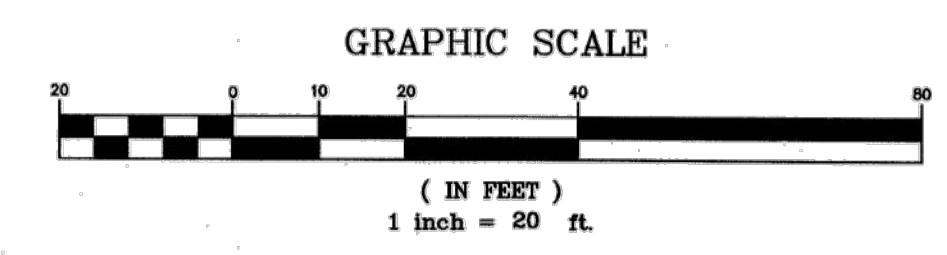
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Bench Mark #3  
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Imprinted "Control 20795"  
Datum=NAVD88



**LEGAL DESCRIPTION**  
THE EAST HALF OF THE EAST HALF OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, SECTION 10, TOWNSHIP 25 NORTH, RANGE 2 EAST, W.M., IN KITSAP COUNTY.

Note:  
Scale not accurate. Original PDF submitted in 24x36 size.



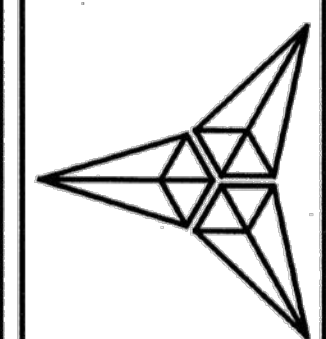
NORTH: MADB3 2011

REV	DATE	BY	DESCRIPTION

**TOPOGRAPHY MAP**  
CITY OF BAINBRIDGE ISLAND  
BAINBRIDGE, WASHINGTON

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**AES** CONSULTANTS, INC.  
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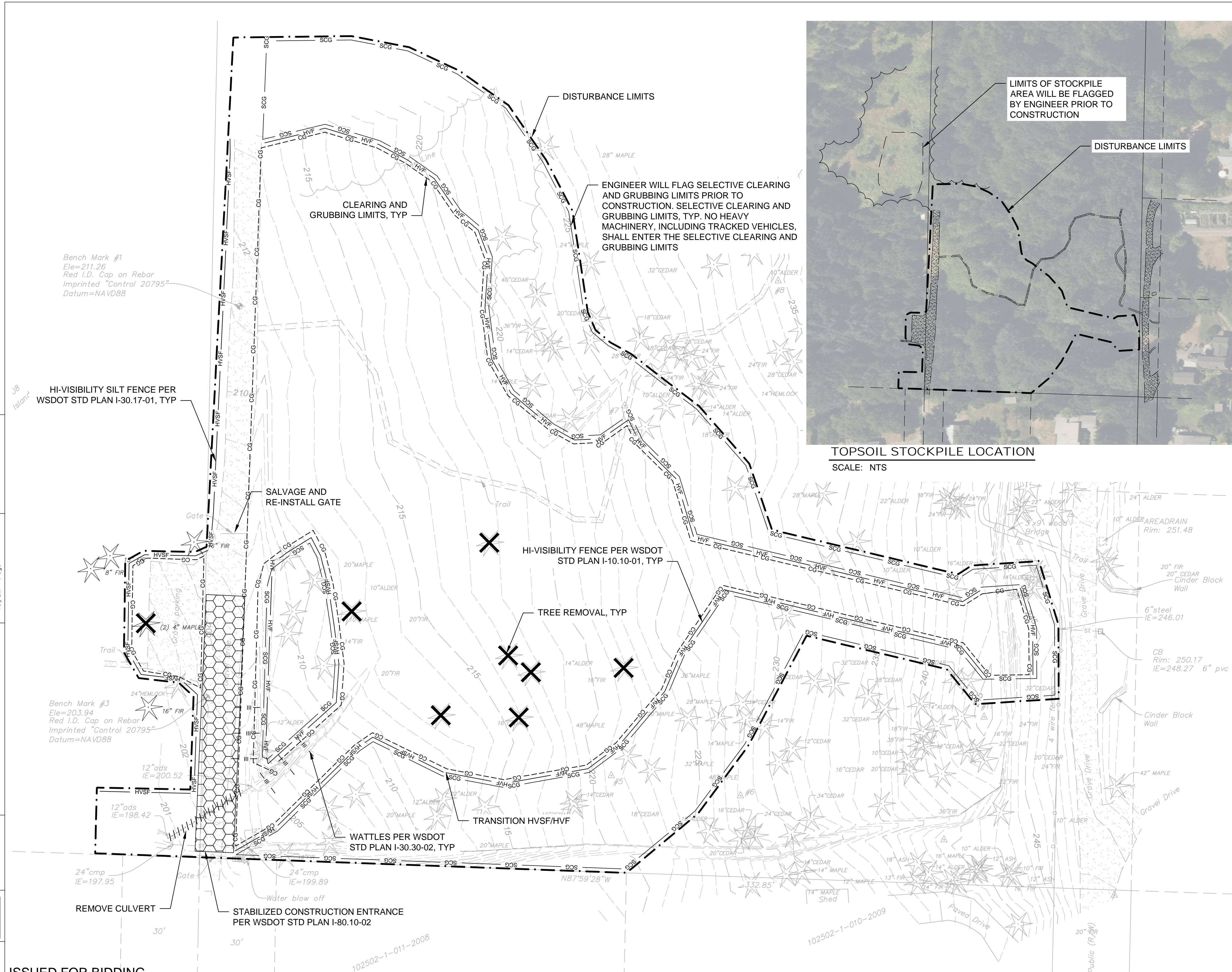


JOB NO.  
**7863**  
SHEET

1/1

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 Drawn By: S-T-N-R-E  
 Checked By:

Surveyed By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Control Monument: \_\_\_\_\_ Field Bk/Pg: \_\_\_\_\_  
 Recorded Survey: Klispac County Auditor AF- \_\_\_\_\_ Page: \_\_\_\_\_  
 Constructed By: \_\_\_\_\_ Date: \_\_\_\_\_



TOPSOIL STOCKPILE LOCATION  
 SCALE: NTS

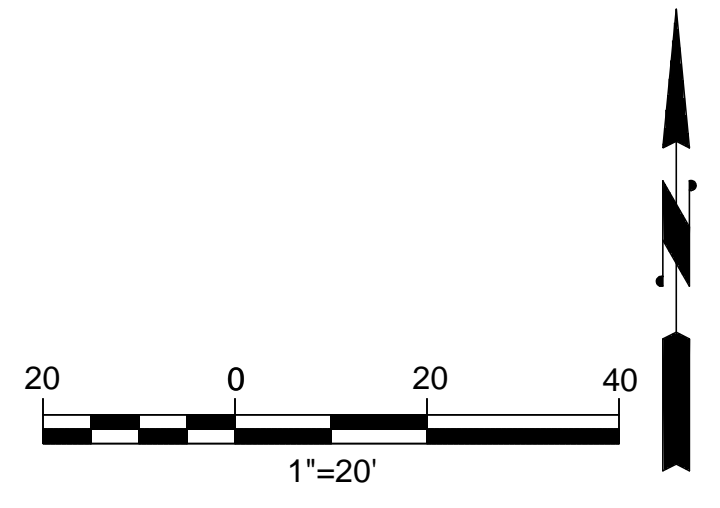
**GENERAL EROSION AND SEDIMENT CONTROL NOTES:**

THE FOLLOWING EROSION AND SEDIMENTATION CONTROL NOTES APPLY TO ALL CONSTRUCTION SITE ACTIVITIES AT ALL TIMES, UNLESS OTHERWISE SPECIFIED ON THESE PLANS:

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

**GENERAL NOTES:**

1. SEE DWG C2.01 FOR PROPOSED FEATURES LEGEND.



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Scale: Horiz: AS NOTED  
 Vert: NONE  
 Designed By: D. WERNER  
 Inspected By: M. FONTAINE  
 W.O. No.: \_\_\_\_\_  
 Date: SEPT 2023

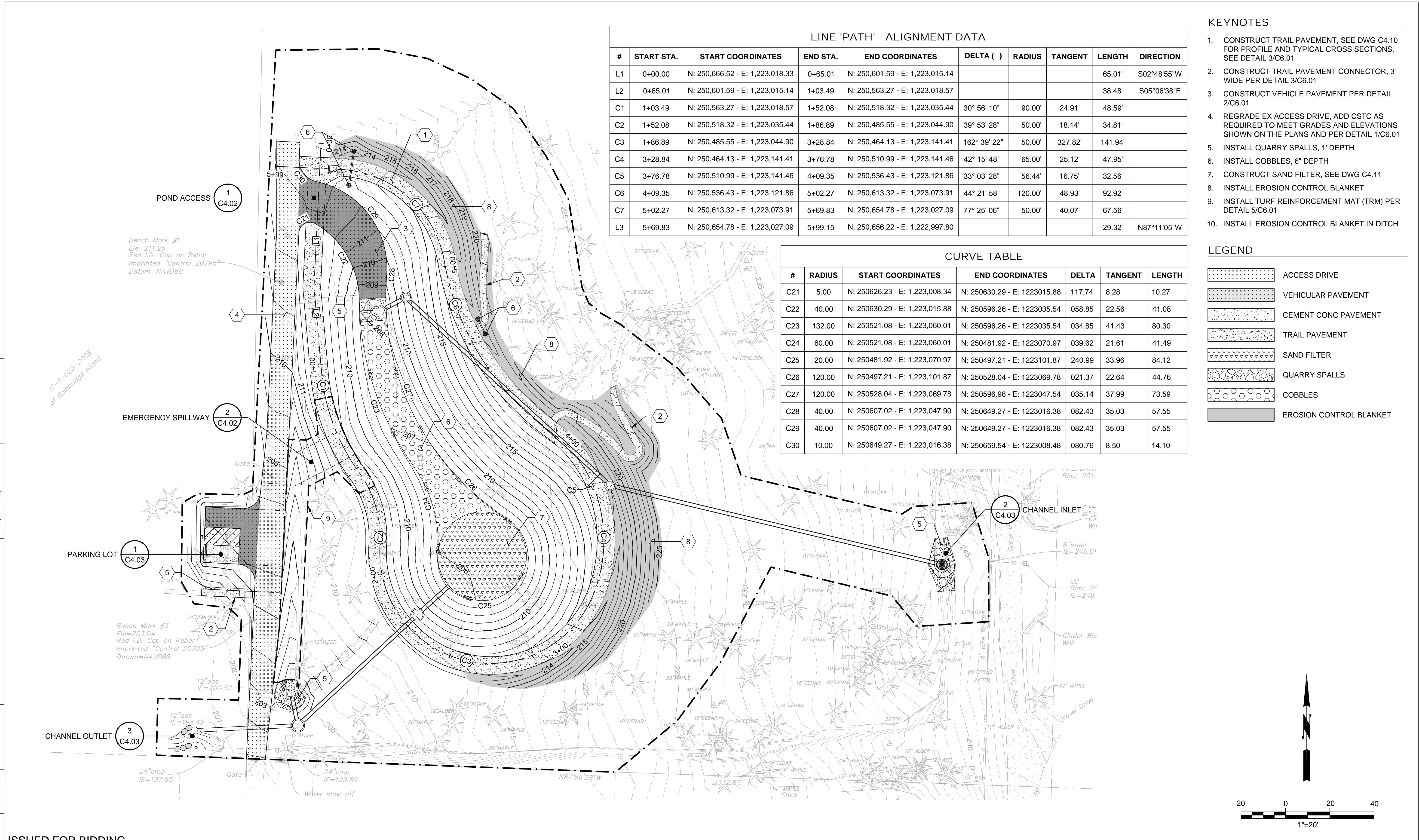
**CITY OF BAINBRIDGE ISLAND**  
 ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

Drawing No. **C2.01**  
 Sheet No. **4** / **18**  
 Of Total

TESC PLAN

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 XREF Filename:  
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 Drawn By:  
 Checked By:  
 Surveyed By:  
 Date:  
 Control Monument:  
 Field Bk/Pg:  
 Recorded Survey:  
 Klispac County Auditor  
 AF-  
 Vo/Bk Page  
 Constructed By:  
 Date:



**LINE 'PATH' - ALIGNMENT DATA**

#	START STA.	START COORDINATES	END STA.	END COORDINATES	DELTA ( )	RADIUS	TANGENT	LENGTH	DIRECTION
L1	0+00.00	N: 250,666.52 - E: 1,223,018.33	0+65.01	N: 250,601.59 - E: 1,223,015.14				65.01'	S02°48'55"W
L2	0+65.01	N: 250,601.59 - E: 1,223,015.14	1+03.49	N: 250,563.27 - E: 1,223,018.57				38.48'	S05°06'38"E
C1	1+03.49	N: 250,563.27 - E: 1,223,018.57	1+52.08	N: 250,518.32 - E: 1,223,035.44	30° 56' 10"	90.00'	24.91'	48.59'	
C2	1+52.08	N: 250,518.32 - E: 1,223,035.44	1+86.89	N: 250,485.55 - E: 1,223,044.90	39° 53' 28"	50.00'	18.14'	34.81'	
C3	1+86.89	N: 250,485.55 - E: 1,223,044.90	3+28.84	N: 250,464.13 - E: 1,223,141.41	162° 39' 22"	50.00'	327.82'	141.94'	
C4	3+28.84	N: 250,464.13 - E: 1,223,141.41	3+76.78	N: 250,510.99 - E: 1,223,141.46	42° 15' 48"	65.00'	25.12'	47.95'	
C5	3+76.78	N: 250,510.99 - E: 1,223,141.46	4+09.35	N: 250,536.43 - E: 1,223,121.86	33° 03' 28"	56.44'	16.75'	32.56'	
C6	4+09.35	N: 250,536.43 - E: 1,223,121.86	5+02.27	N: 250,613.32 - E: 1,223,073.91	44° 21' 58"	120.00'	48.93'	92.92'	
C7	5+02.27	N: 250,613.32 - E: 1,223,073.91	5+69.83	N: 250,654.78 - E: 1,223,027.09	77° 25' 06"	50.00'	40.07'	67.56'	
L3	5+69.83	N: 250,654.78 - E: 1,223,027.09	5+99.15	N: 250,656.22 - E: 1,222,997.80				29.32'	N87°11'05"W

**CURVE TABLE**

#	RADIUS	START COORDINATES	END COORDINATES	DELTA	TANGENT	LENGTH
C21	5.00	N: 250626.23 - E: 1,223,008.34	N: 250630.29 - E: 1,223015.88	117.74	8.28	10.27
C22	40.00	N: 250630.29 - E: 1,223,015.88	N: 250596.26 - E: 1,223035.54	058.85	22.56	41.08
C23	132.00	N: 250521.08 - E: 1,223,060.01	N: 250596.26 - E: 1,223035.54	034.85	41.43	80.30
C24	60.00	N: 250521.08 - E: 1,223,060.01	N: 250481.92 - E: 1,223070.97	039.62	21.61	41.49
C25	20.00	N: 250481.92 - E: 1,223,070.97	N: 250497.21 - E: 1,223101.87	240.99	33.96	84.12
C26	120.00	N: 250497.21 - E: 1,223,101.87	N: 250528.04 - E: 1,223069.78	021.37	22.64	44.76
C27	120.00	N: 250528.04 - E: 1,223,069.78	N: 250596.98 - E: 1,223047.54	035.14	37.99	73.59
C28	40.00	N: 250607.02 - E: 1,223,047.90	N: 250649.27 - E: 1,223016.38	082.43	35.03	57.55
C29	40.00	N: 250607.02 - E: 1,223,047.90	N: 250649.27 - E: 1,223016.38	082.43	35.03	57.55
C30	10.00	N: 250649.27 - E: 1,223,016.38	N: 250659.54 - E: 1,223008.48	080.76	8.50	14.10

- KEYNOTES**
- CONSTRUCT TRAIL PAVEMENT, SEE DWG C4.10 FOR PROFILE AND TYPICAL CROSS SECTIONS. SEE DETAIL 3/C6.01
  - CONSTRUCT TRAIL PAVEMENT CONNECTOR, 3' WIDE PER DETAIL 3/C6.01
  - CONSTRUCT VEHICLE PAVEMENT PER DETAIL 2/C6.01
  - REGRADE EX ACCESS DRIVE, ADD CSTC AS REQUIRED TO MEET GRADES AND ELEVATIONS SHOWN ON THE PLANS AND PER DETAIL 1/C6.01
  - INSTALL QUARRY SPALLS, 1' DEPTH
  - INSTALL COBBLES, 6" DEPTH
  - CONSTRUCT SAND FILTER, SEE DWG C4.11
  - INSTALL EROSION CONTROL BLANKET
  - INSTALL TURF REINFORCEMENT MAT (TRM) PER DETAIL 5/C6.01
  - INSTALL EROSION CONTROL BLANKET IN DITCH

- LEGEND**
- ACCESS DRIVE
  - VEHICULAR PAVEMENT
  - CEMENT CONC PAVEMENT
  - TRAIL PAVEMENT
  - SAND FILTER
  - QUARRY SPALLS
  - COBBLES
  - EROSION CONTROL BLANKET

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Scale: Horiz: AS NOTED  
 Vert: NONE  
 Designed By: D. WERNER  
 Inspected By: M. FONTAINE  
 W.O. No.:  
 Date: SEPT 2023

**CITY OF BAINBRIDGE ISLAND**  
 ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

Drawing No. **C3.01**  
 Sheet No. **5** / **18**  
 Of Total  
**SITE PLAN**

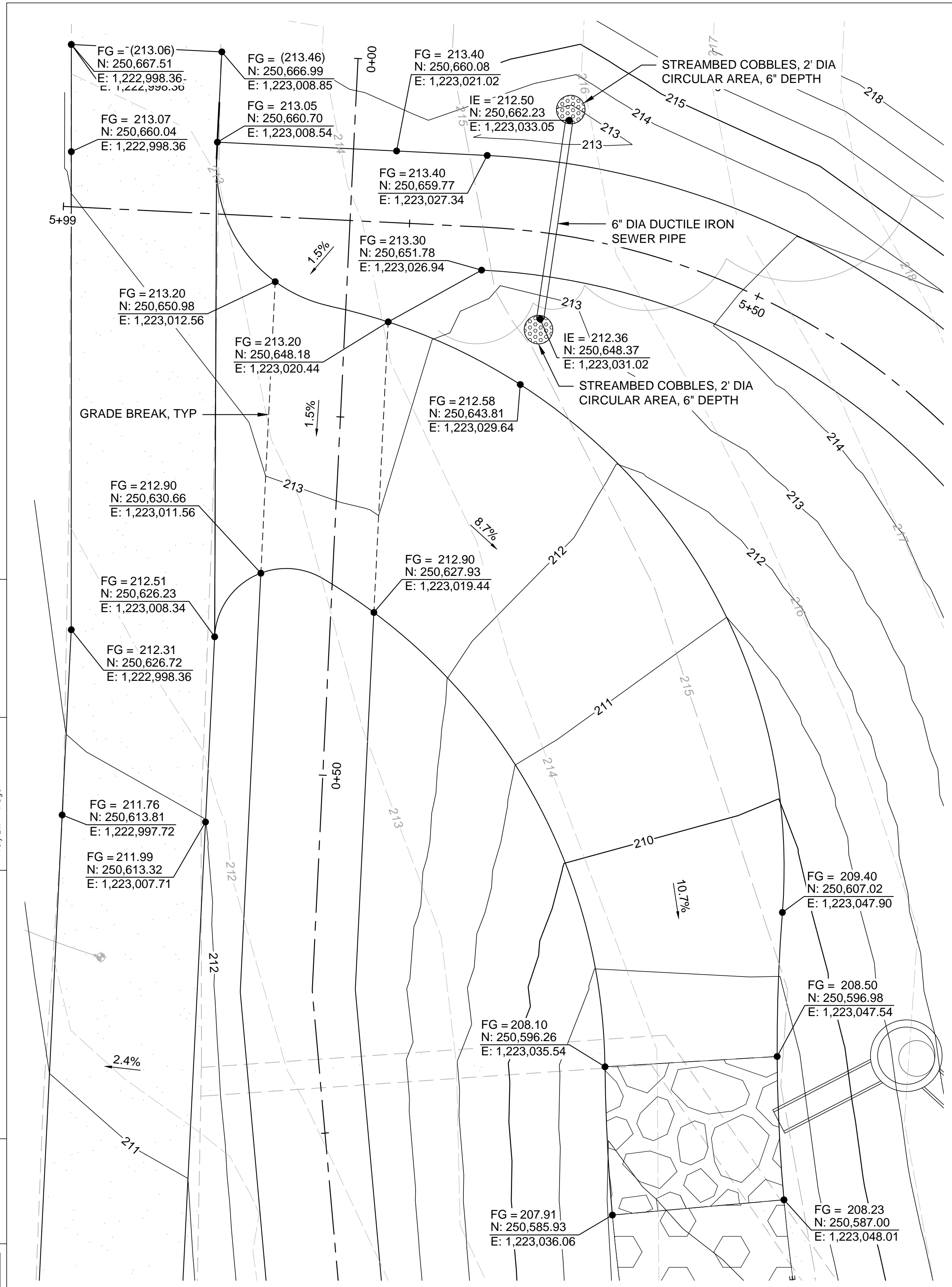


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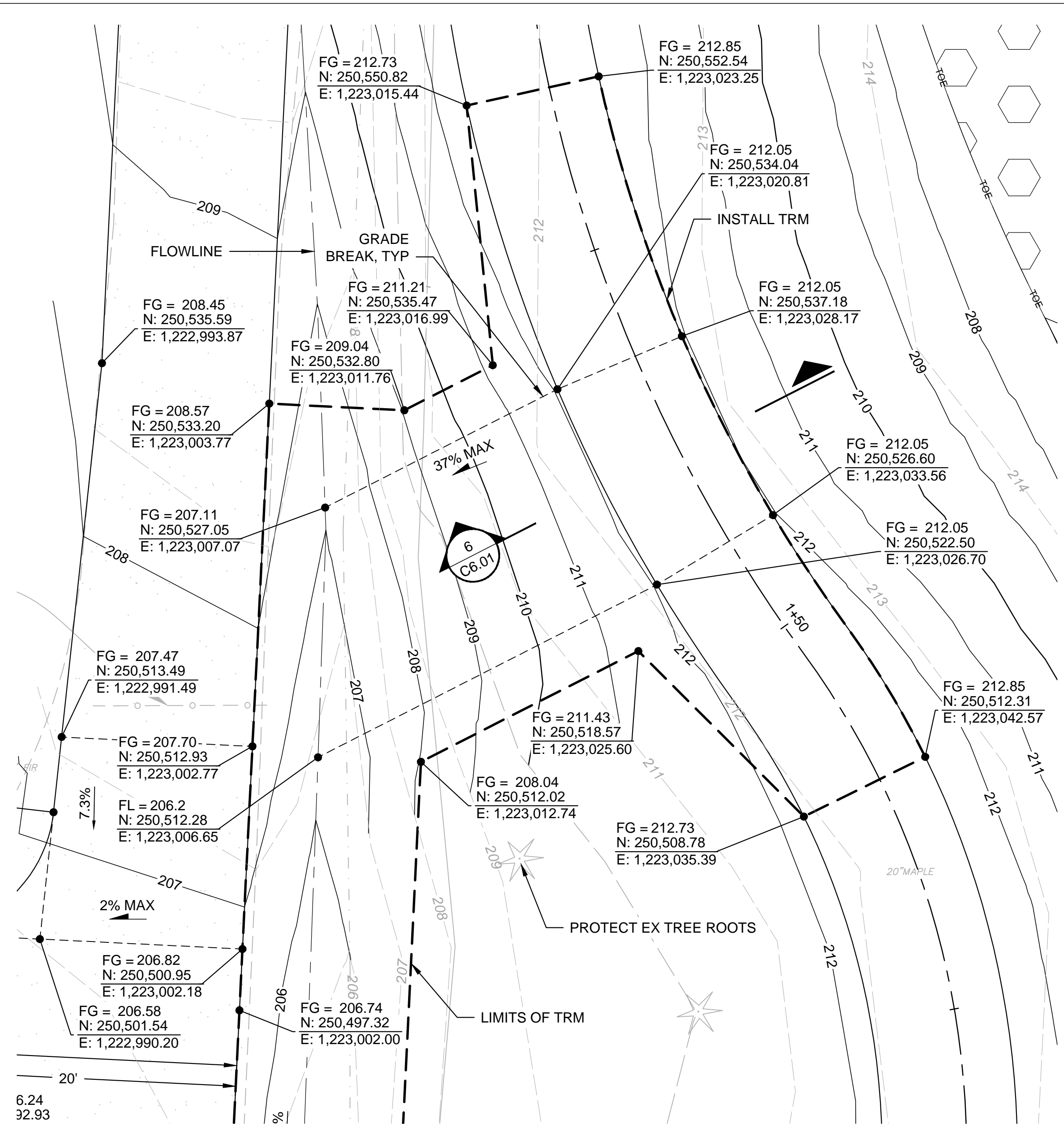
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 Checked By:

Surveyed By: Control Monument: Field Bk./Pg.  
 Date:

Recorded Survey: Klisp County Auditor  
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POND ACCESS  
 SCALE: 1"=5'



EMERGENCY SPILLWAY  
 SCALE: 1"=5'

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NO.	DATE	BY	REVISION

Professional Engineer Seal for M. Fontaine, License No. 4358, State of Washington. Designated by: D. Werner. Inspected by: M. Fontaine. Date: SEPT 2023.

CITY OF BAINBRIDGE ISLAND  
 ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK  
 HERRERA  
 Science + Planning + Design

ENLARGED SITE PLANS

Drawing No. C4.02  
 Sheet No. 7 of 18

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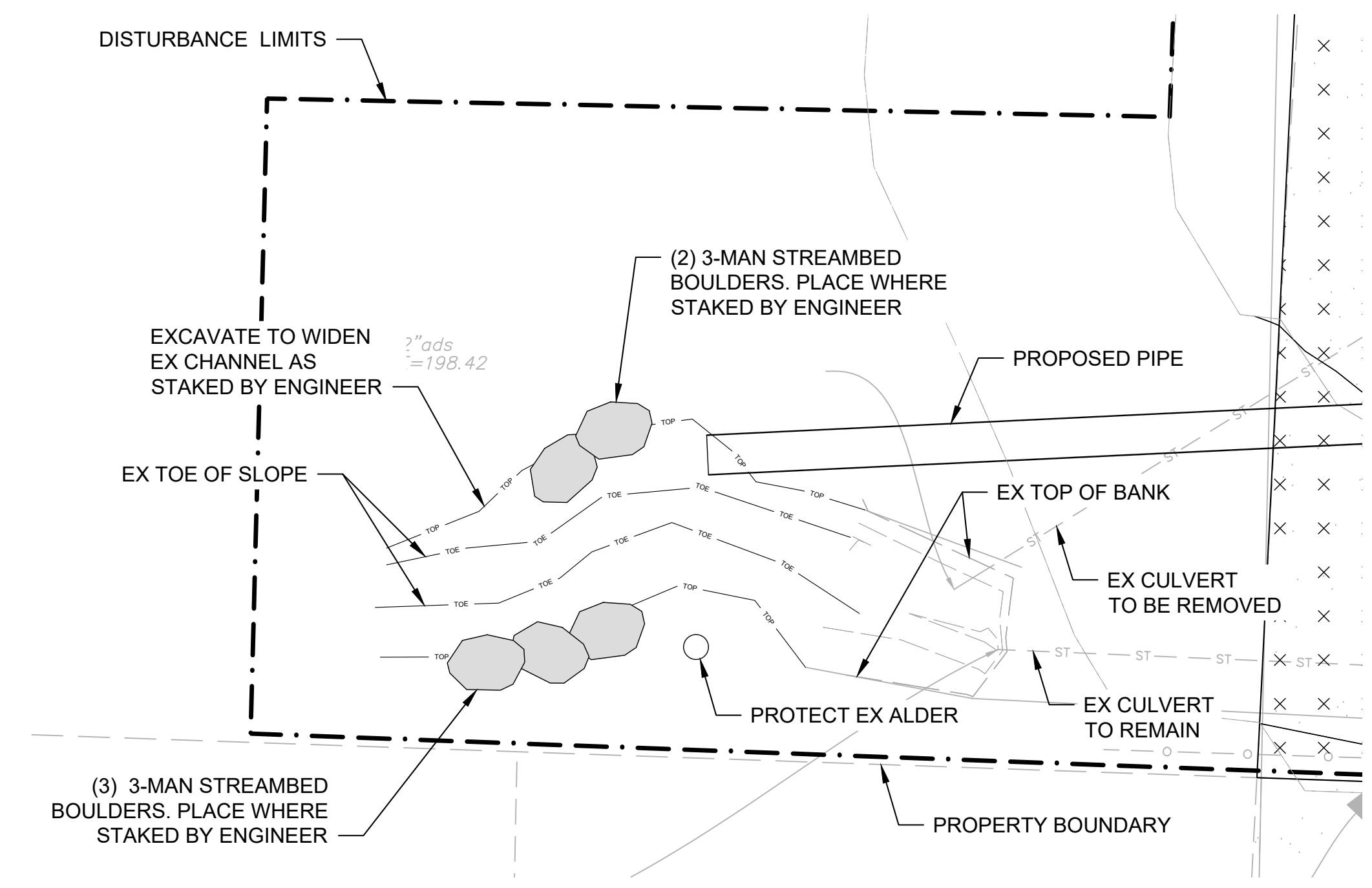
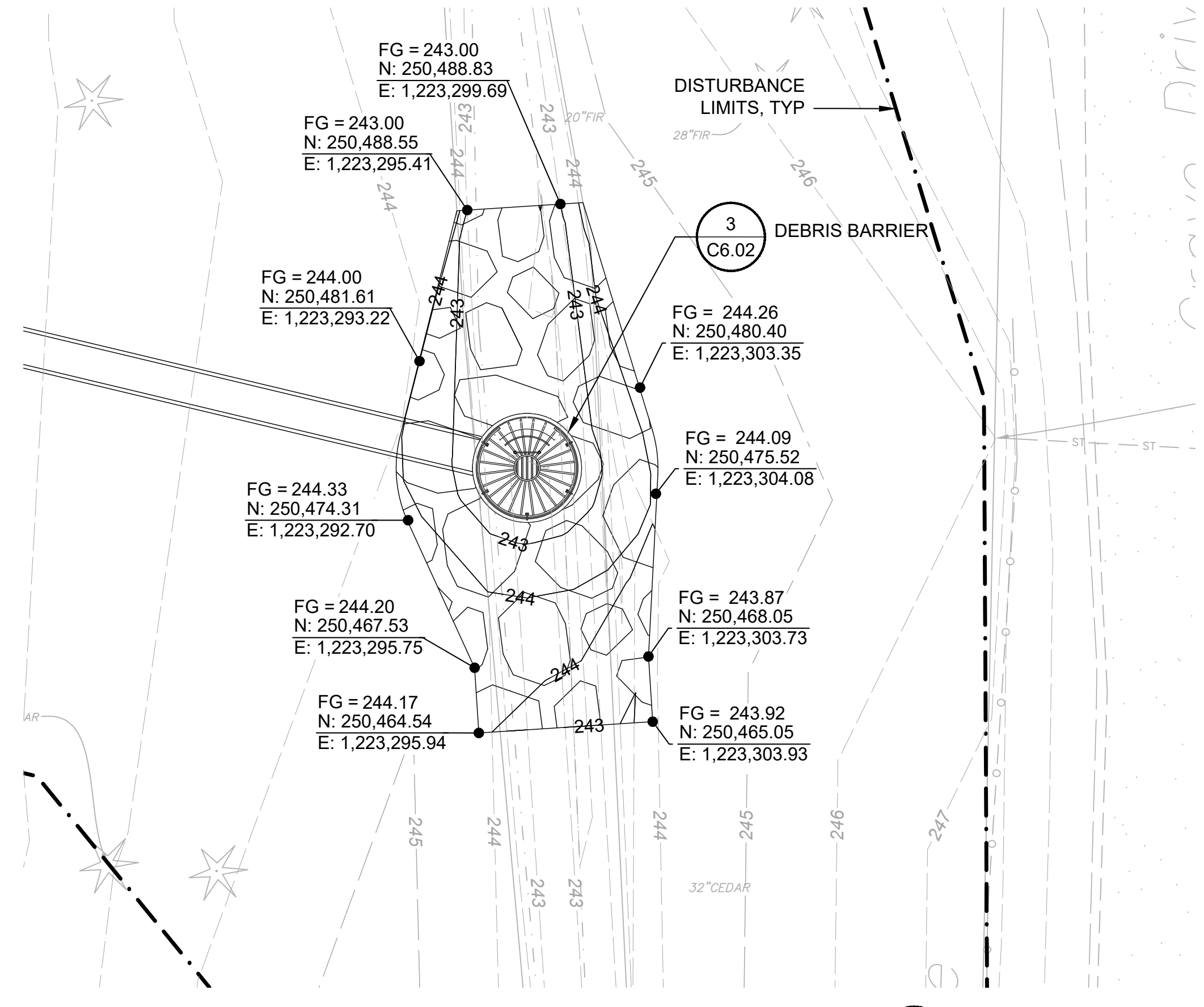
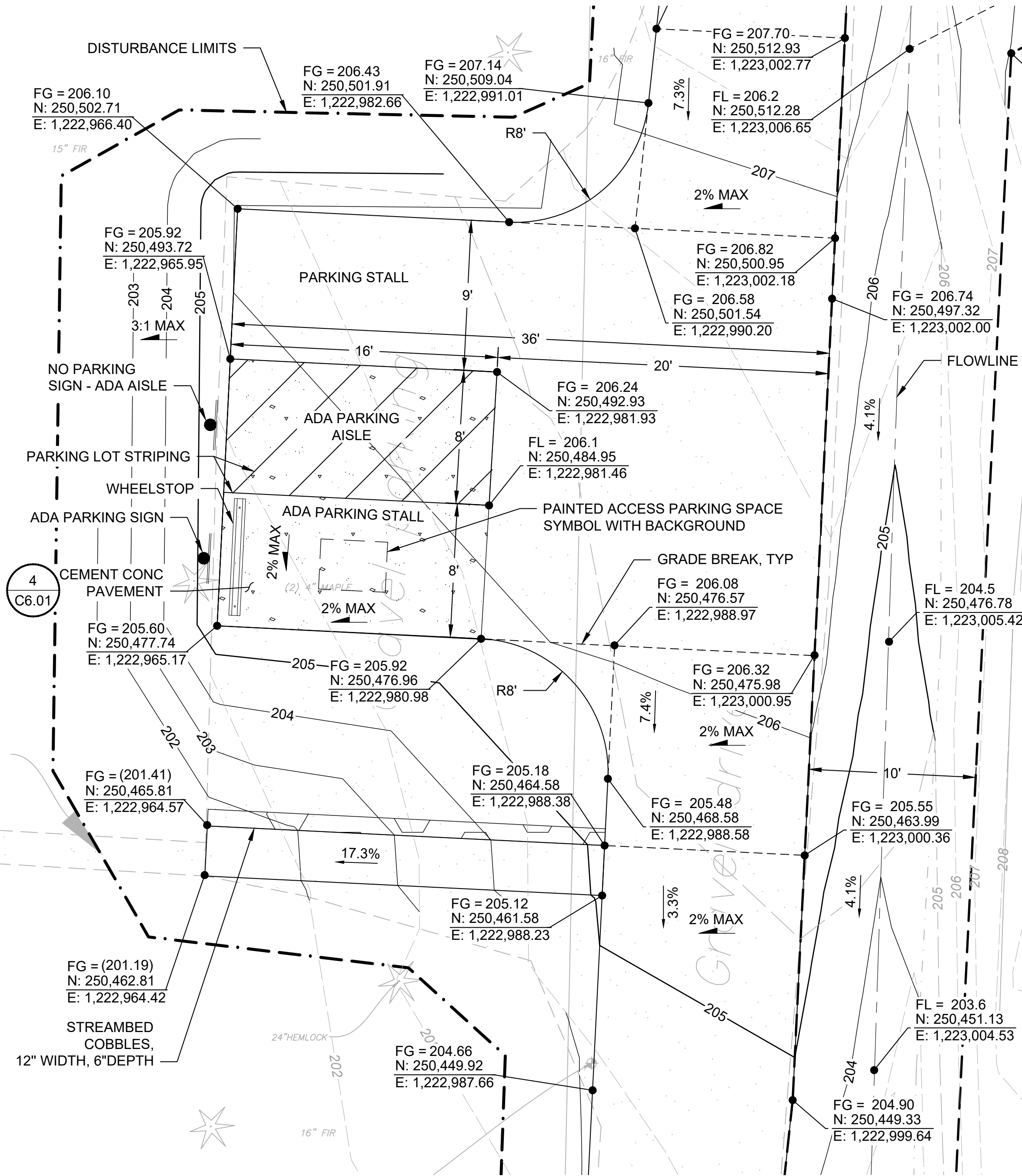
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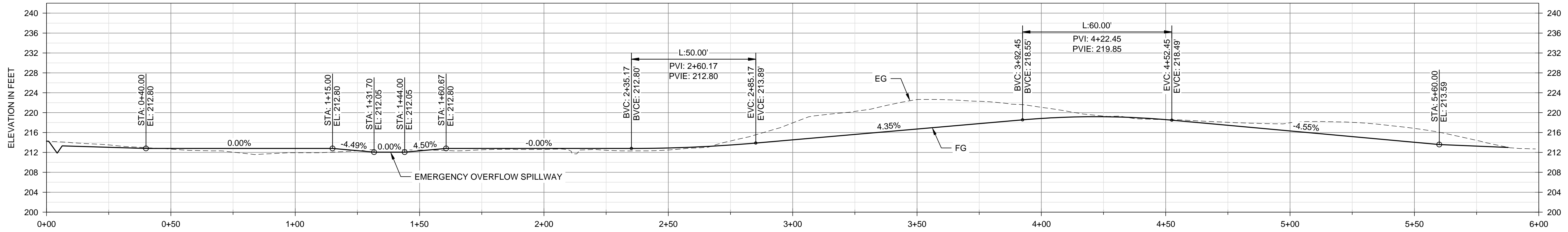


**CITY OF BAINBRIDGE ISLAND**  
**ENGINEERING & PUBLIC WORKS DEPARTMENT**

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

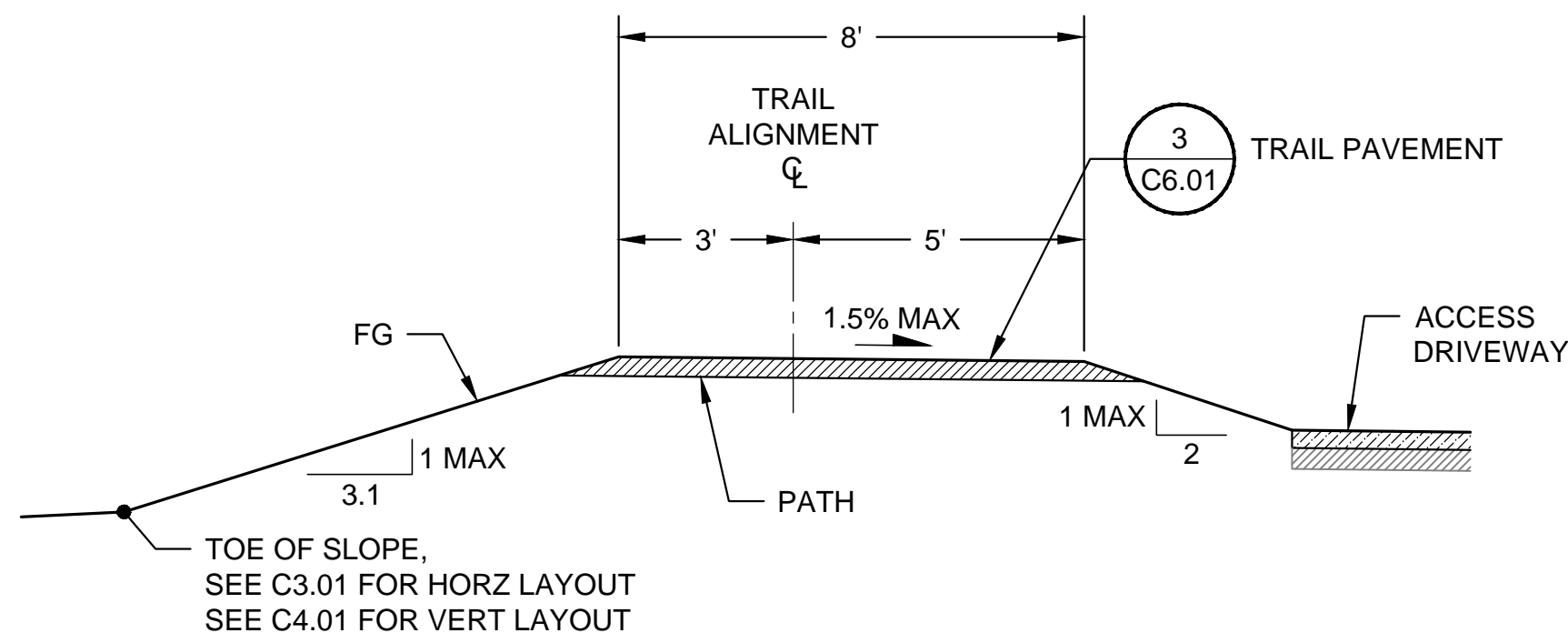
ENLARGED SITE PLANS

Drawing No. C4.03  
 Sheet No. 8 / 18  
 Of Total



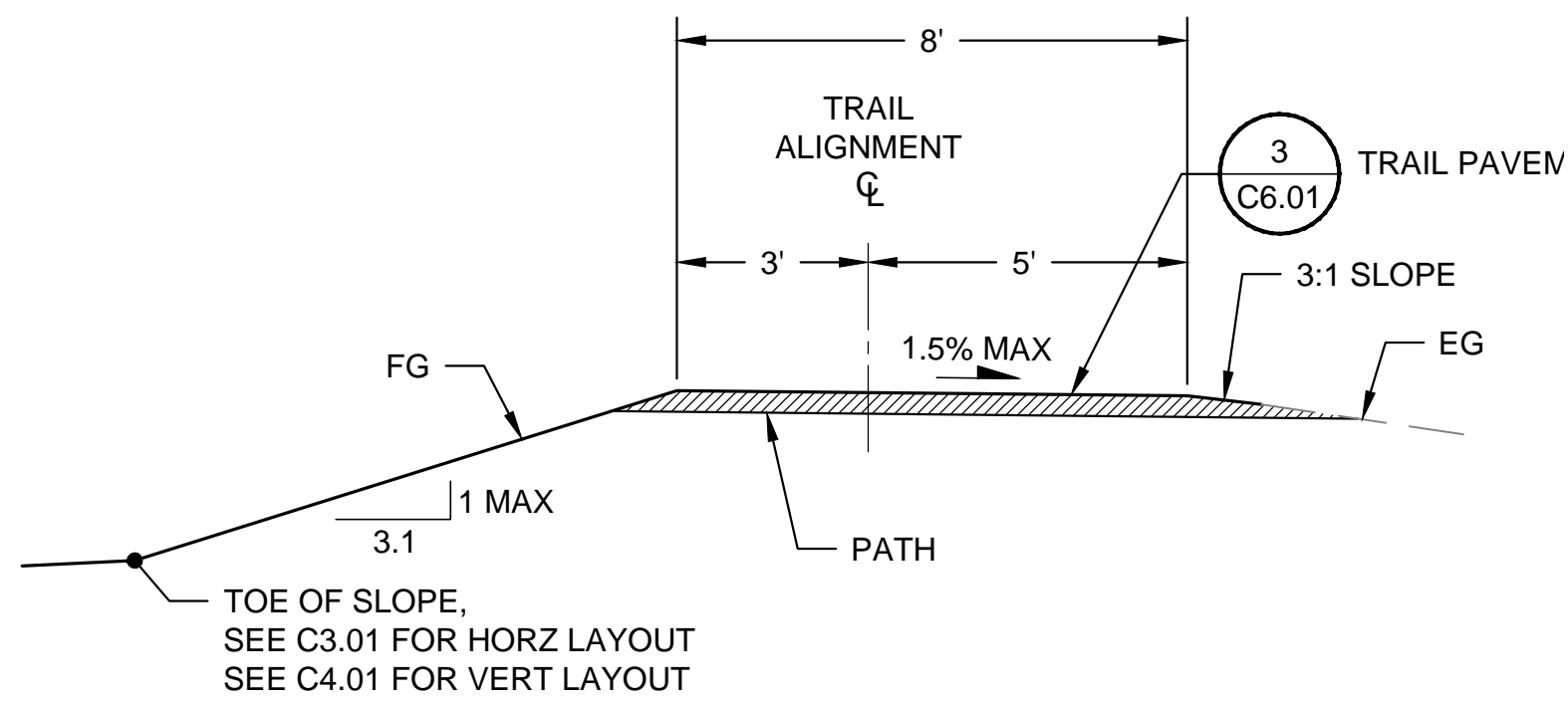
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HORIZ. SCALE: 1"=20'  
VERT. SCALE: 1"=10'



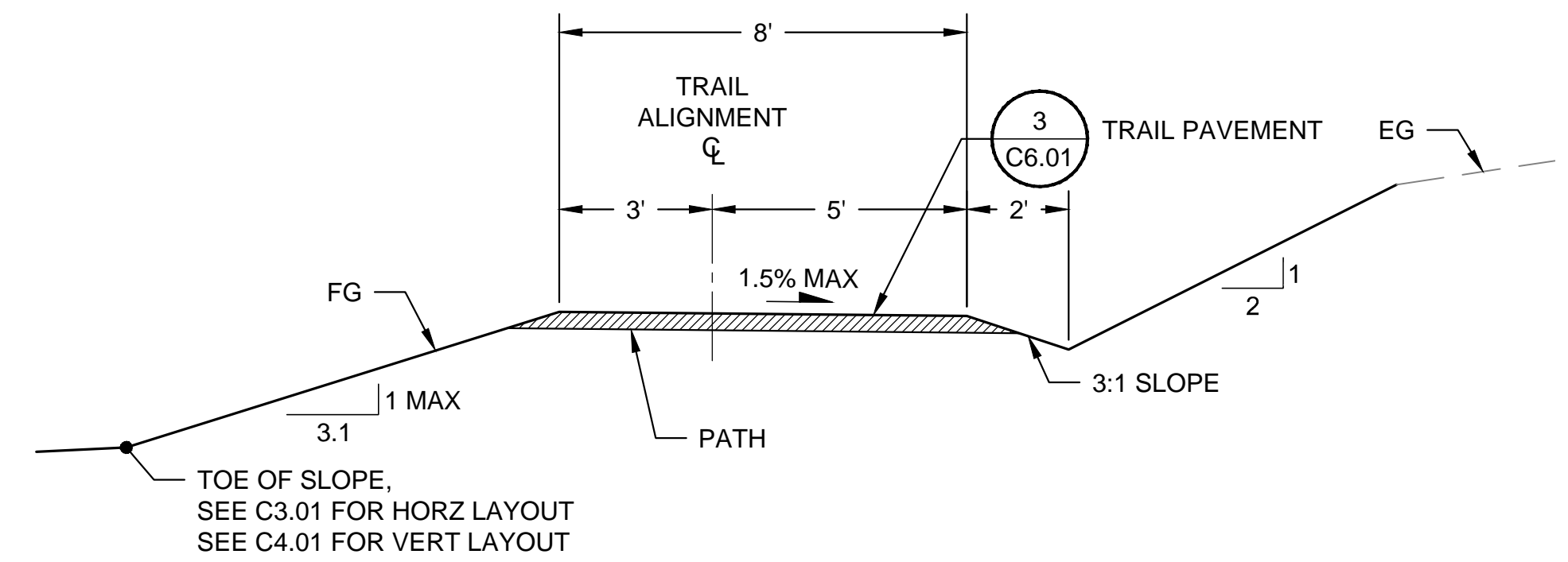
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STA 0+40 TO STA 1+15

SCALE: NTS



**TYPICAL TRAIL SECTION 'B'**  
STA 1+61 TO STA 2+60

SCALE: NTS



**TYPICAL TRAIL SECTION 'C'**  
STA 2+60 TO STA 5+60

SCALE: NTS

Constructed By: \_\_\_\_\_ Date: \_\_\_\_\_  
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BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

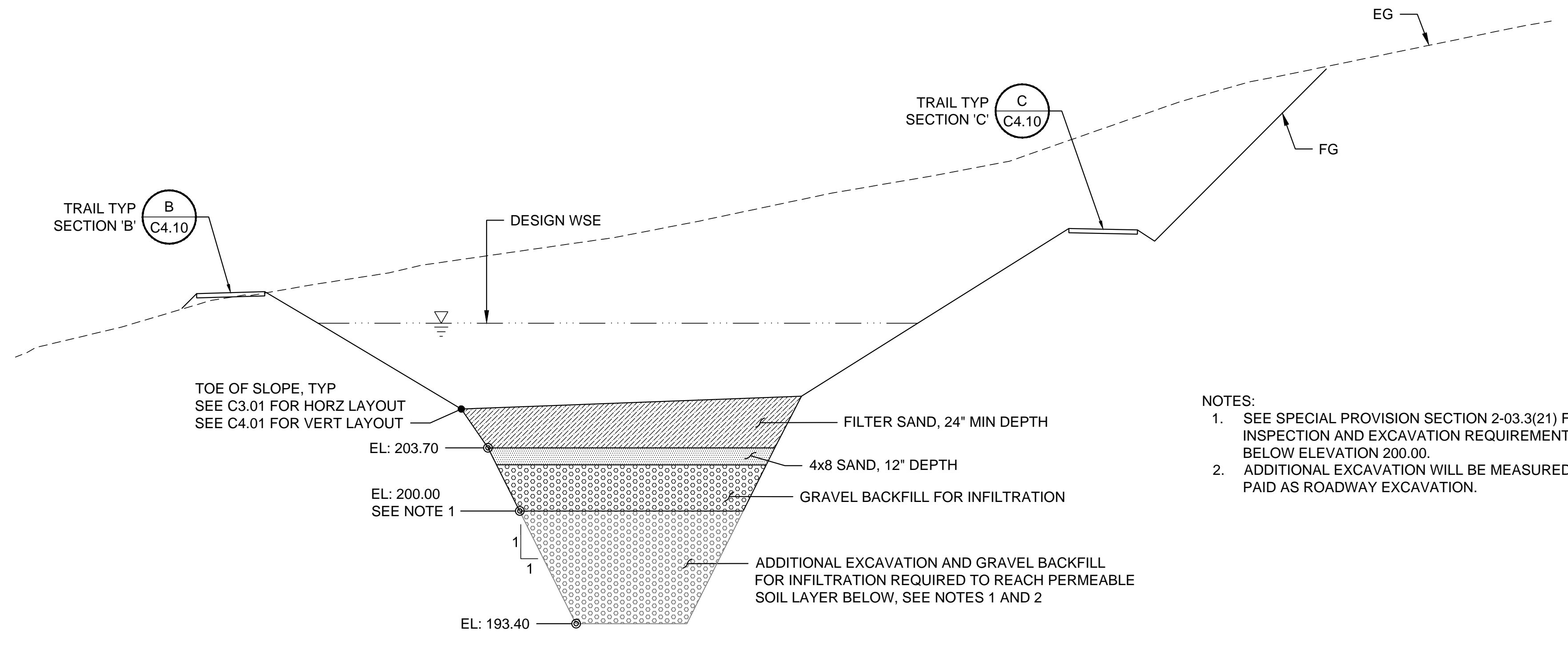
PROFILES AND SECTIONS

Drawing No. **C4.10**  
Sheet No. **9** / **18**  
Of Total

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 XREF Filename:  
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 Vo./Bk. Page



- NOTES:
1. SEE SPECIAL PROVISION SECTION 2-03.3(21) FOR INSPECTION AND EXCAVATION REQUIREMENTS BELOW ELEVATION 200.00.
  2. ADDITIONAL EXCAVATION WILL BE MEASURED AND PAID AS ROADWAY EXCAVATION.

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 C4.01

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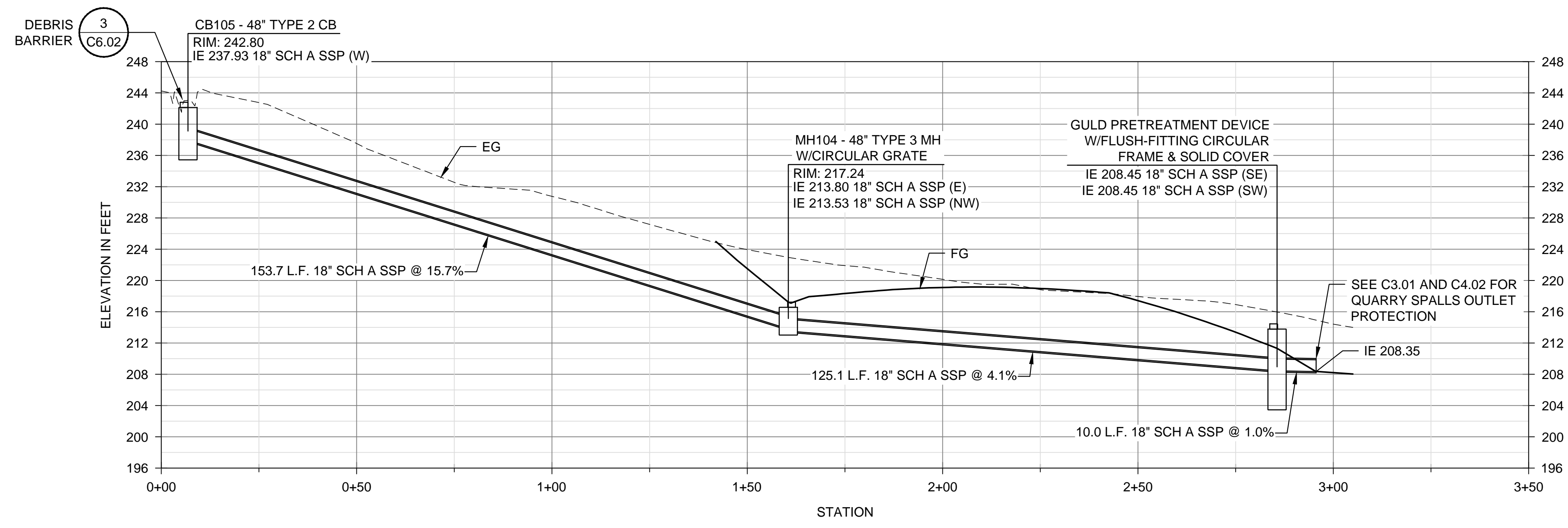
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 Designed By: D. WERNER  
 Inspected By: M. FONTAINE  
 W.O. No.:  
 Date: SEPT 2023

**CITY OF BAINBRIDGE ISLAND**  
 ENGINEERING & PUBLIC WORKS DEPARTMENT

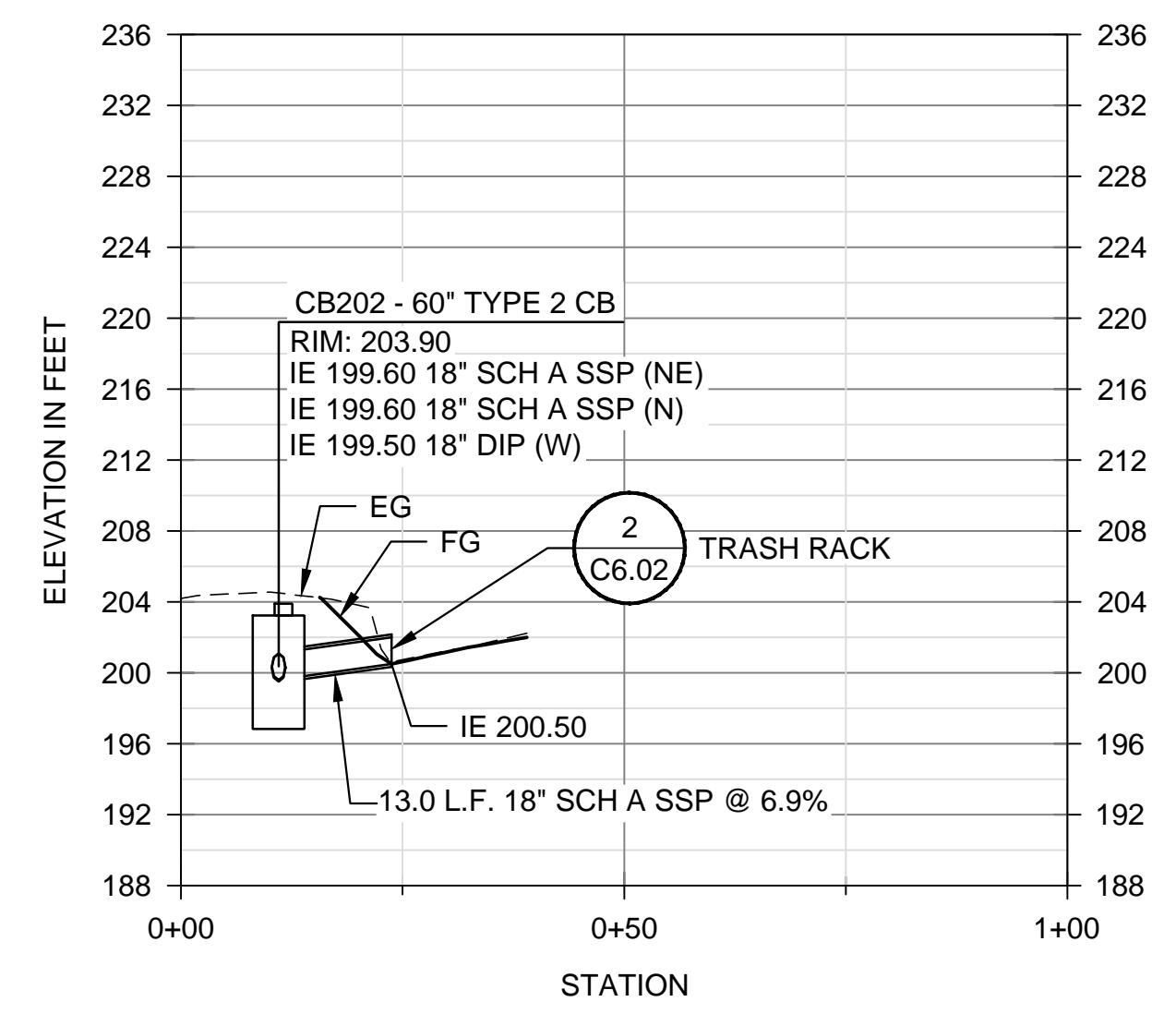
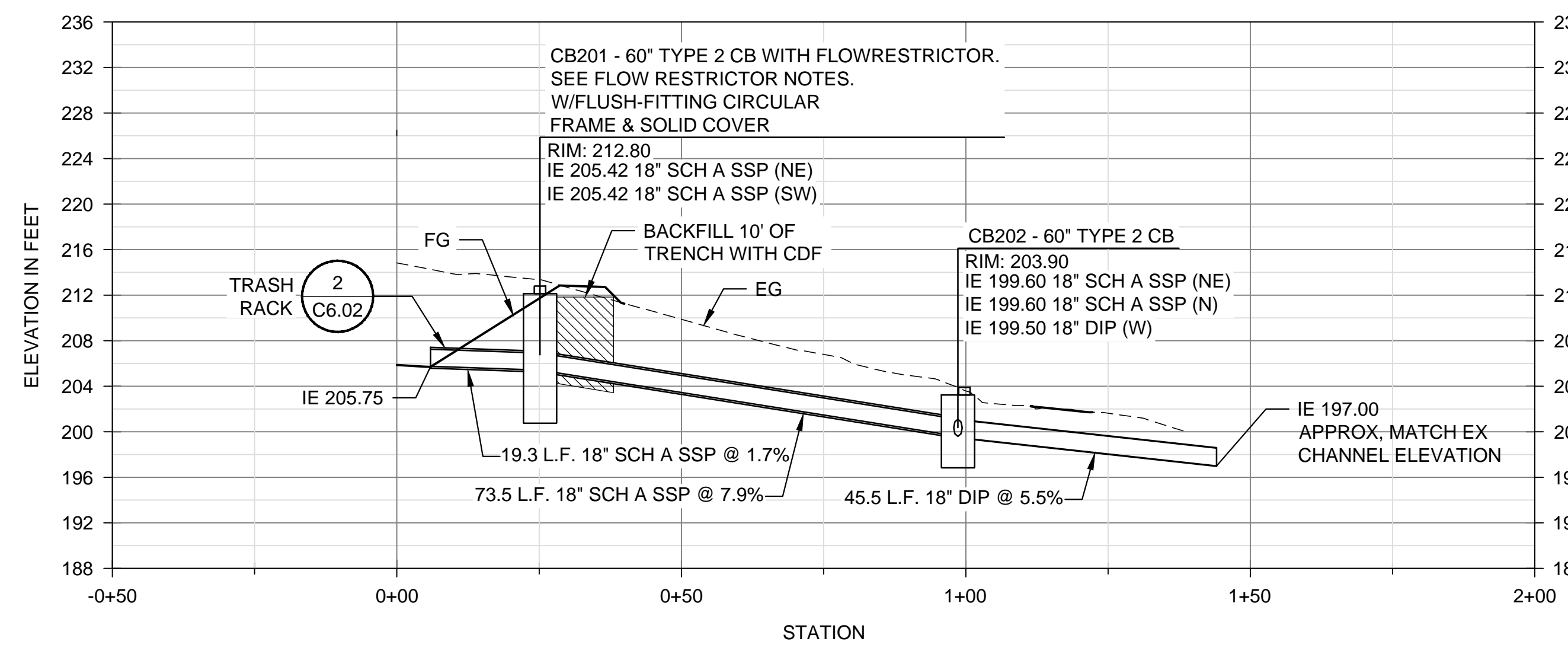
BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

PROFILES AND SECTIONS

Drawing No. C4.11  
 Sheet No. 10 / 18  
 Of Total



- GENERAL NOTES**
1. MANHOLES SHALL HAVE CIRCULAR FRAMES PER WSDOT STANDARD PLAN B-30.70-04 AND CIRCULAR GRATES PER WSDOT STANDARD PLAN B-30.80-01
  2. UNLESS NOTED OTHERWISE, ALL CATCH BASINS SHALL HAVE CIRCULAR FRAMES AND COVERS PER WSDOT STANDARD PLAN B-30.70-04, MARKED "DRAIN".



- FLOW RESTRICTOR NOTES**
1. CONSTRUCT FLOW RESTRICTOR PER WSDOT STD PLAN B-10.40-02. MODIFY STD PLAN TO INCLUDE REPLACEABLE ORIFICE PLATES. SEE DETAIL 1/C6.02.
  2. SET ORIFICES SIZES AND ELEVATIONS PER THE TABLE BELOW.

ORIFICE #	ELEVATION	DIA (IN)
1	206.45	2.1
2	207.95	2.5
3	208.95	3.0
4	209.95	2.75
5	210.45	2
6	210.75	2
7 (RISER STRUCTURE)	211.10	24

3. CONSTRUCT SECONDARY INLET, SEE DETAIL 7/C6.01.

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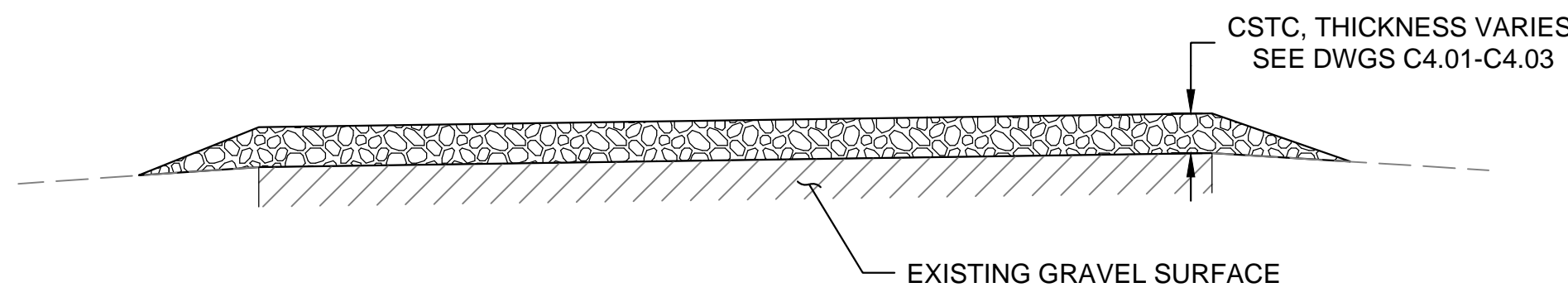
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 Date: SEPT 2023

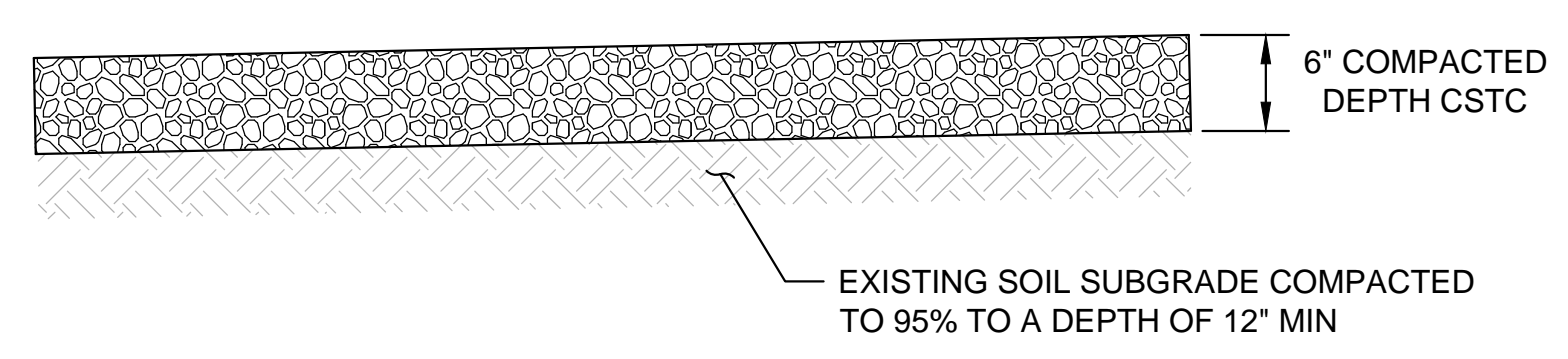
**CITY OF BAINBRIDGE ISLAND**  
 ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

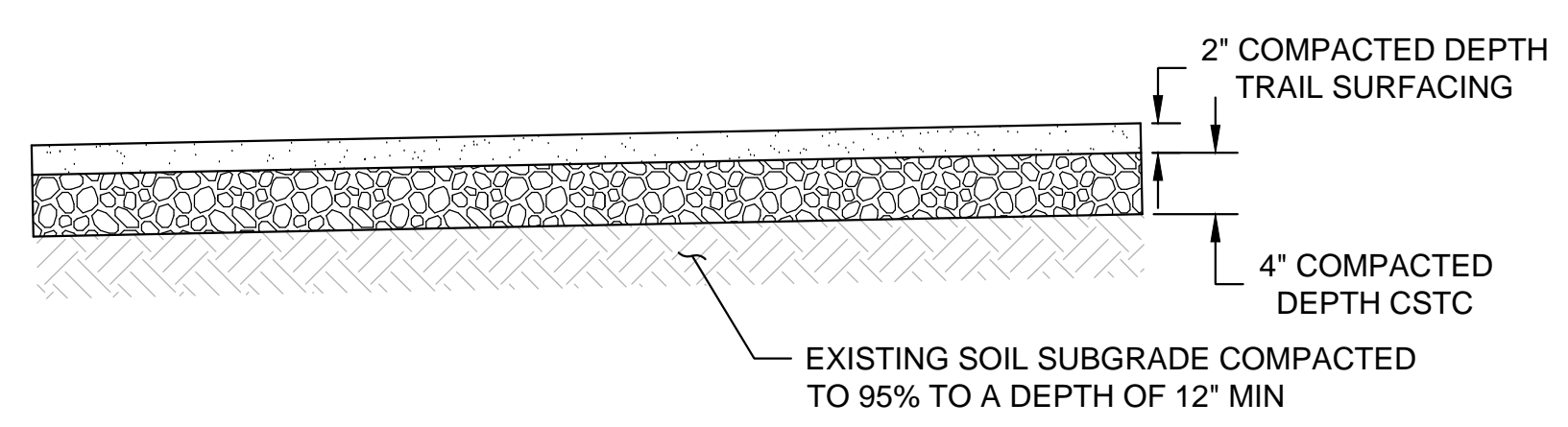
**STORM DRAINAGE PROFILES**



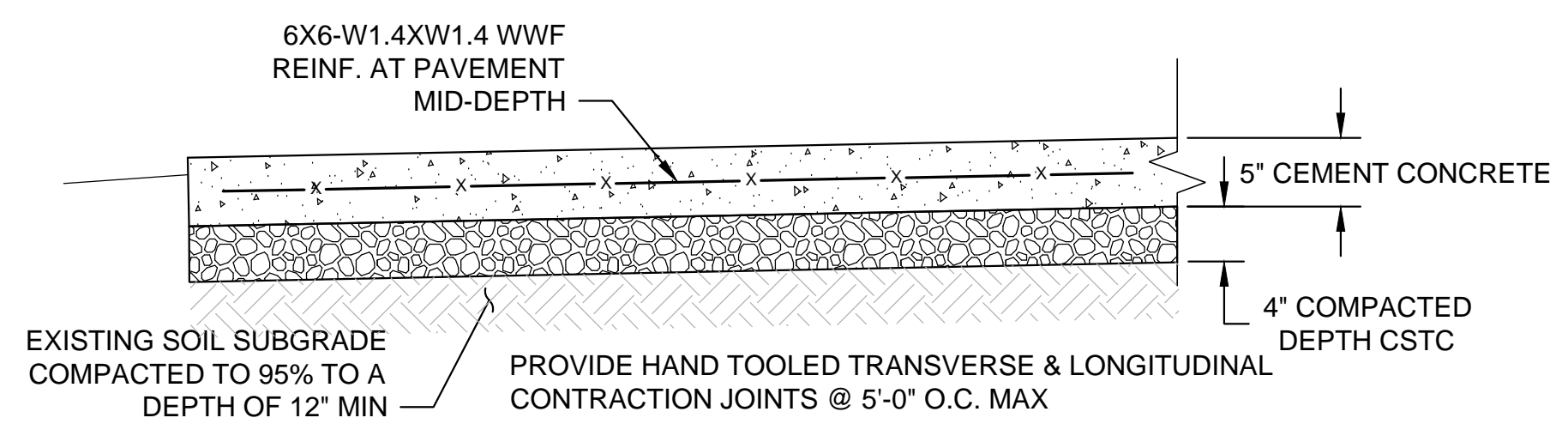
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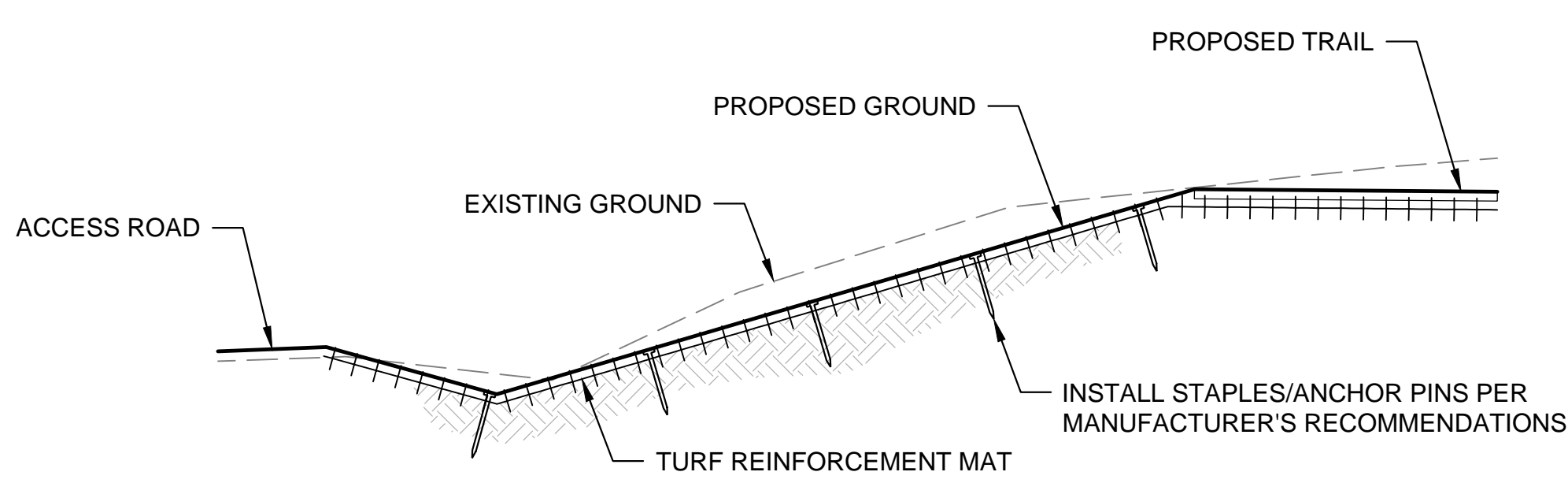
**DETAIL - VEHICULAR PAVEMENT**  
SCALE: NTS



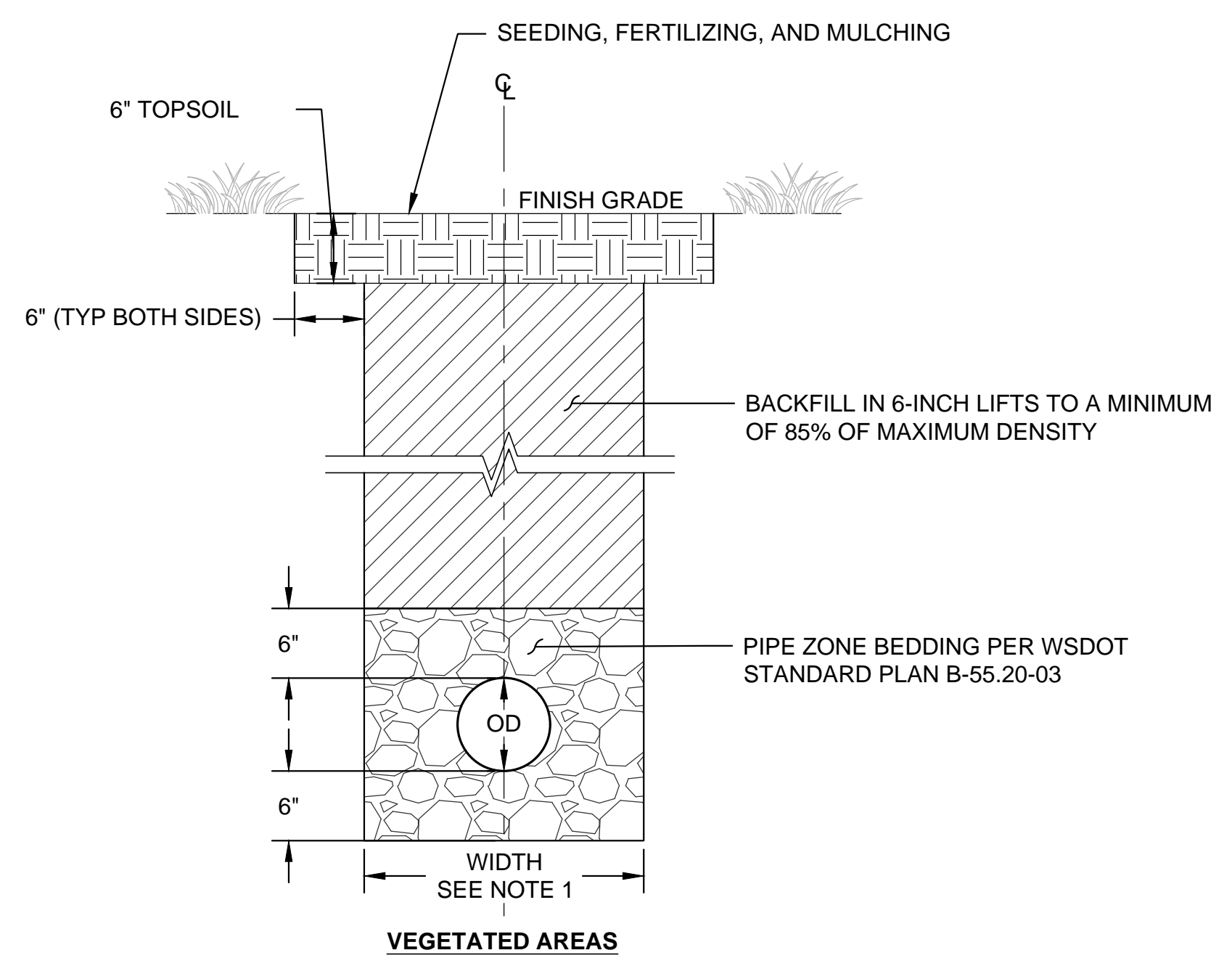
**DETAIL - TRAIL PAVEMENT**  
SCALE: NTS



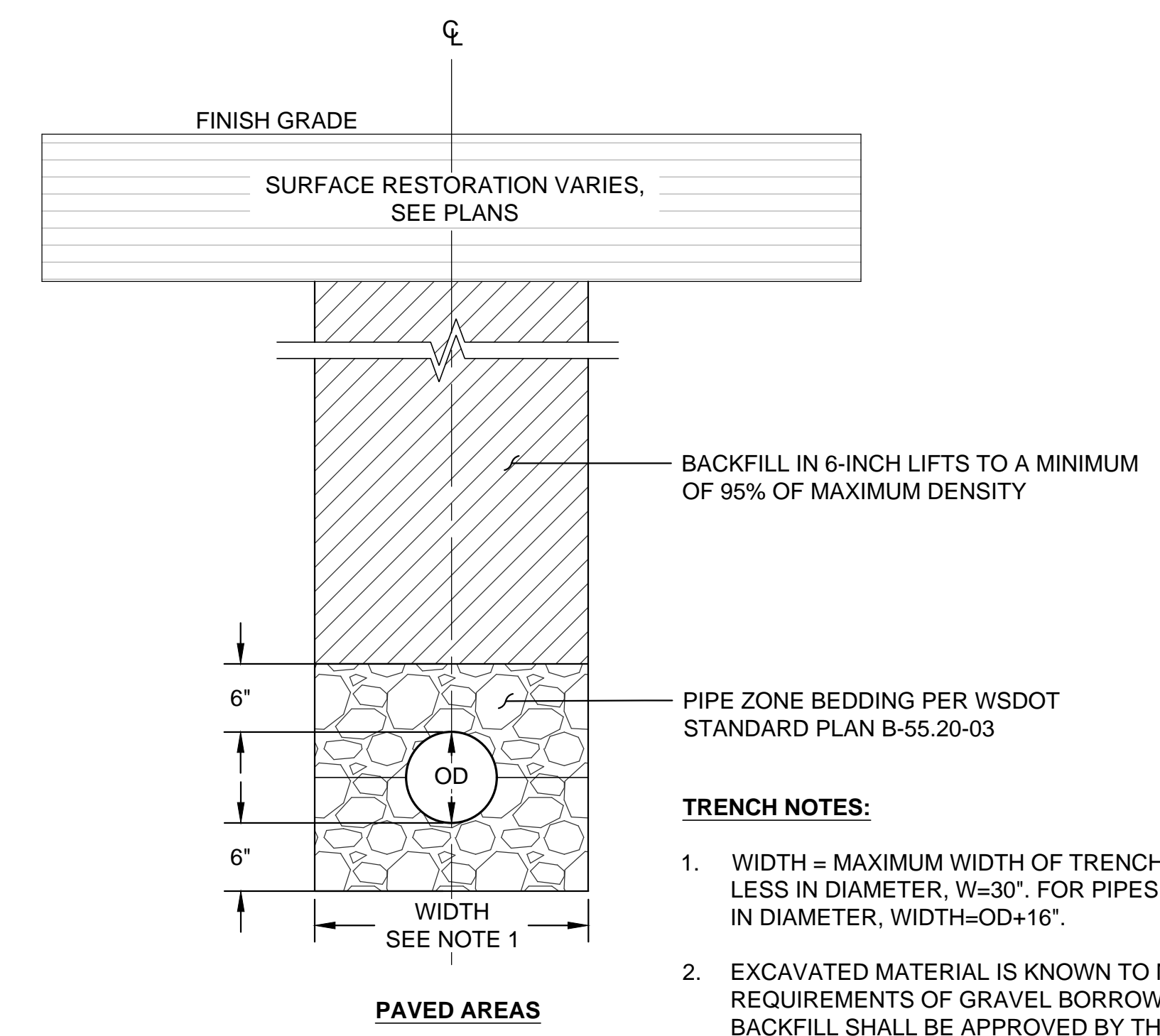
**DETAIL - CEMENT CONCRETE PAVEMENT**  
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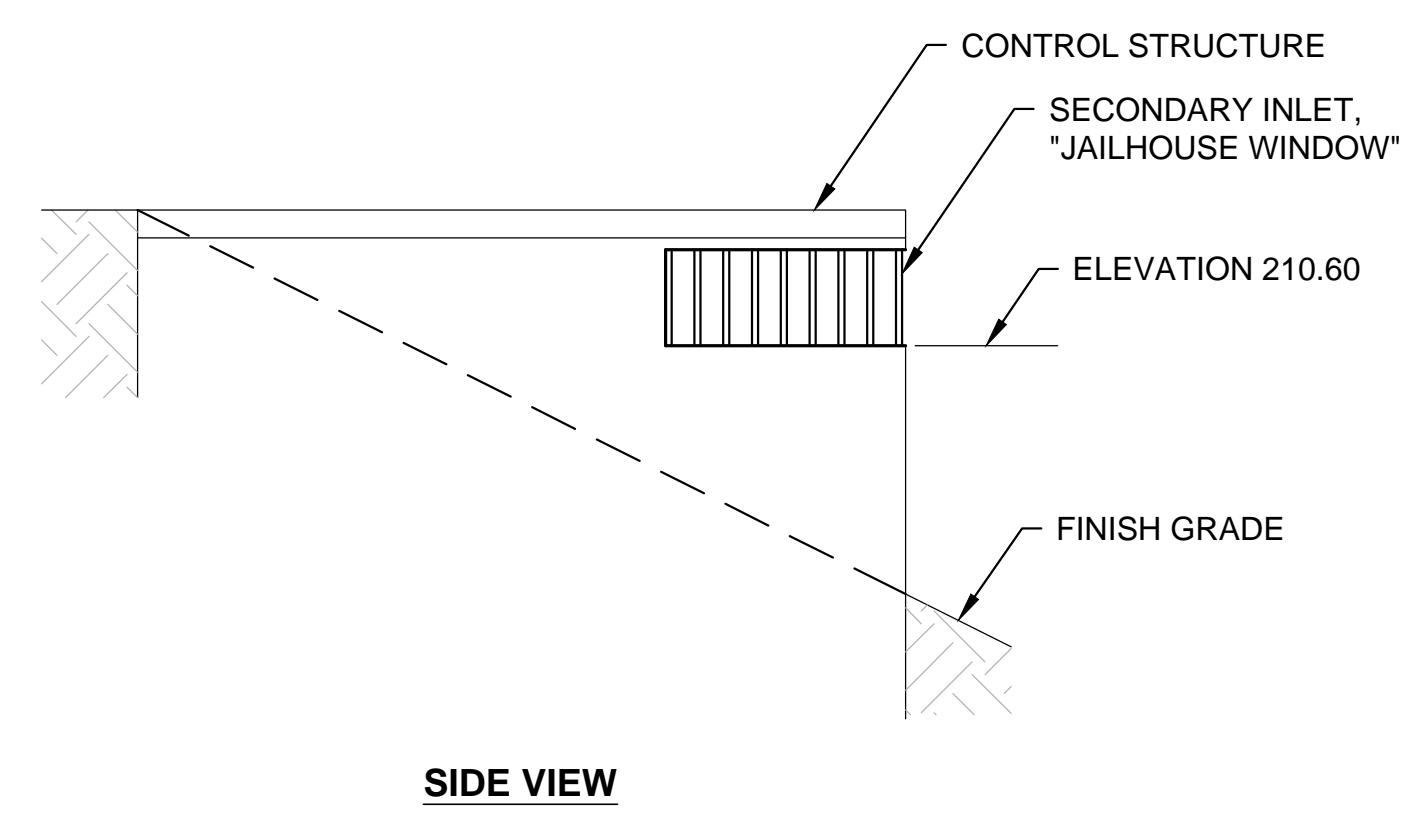
**DETAIL - SPILLWAY**  
SCALE: NTS



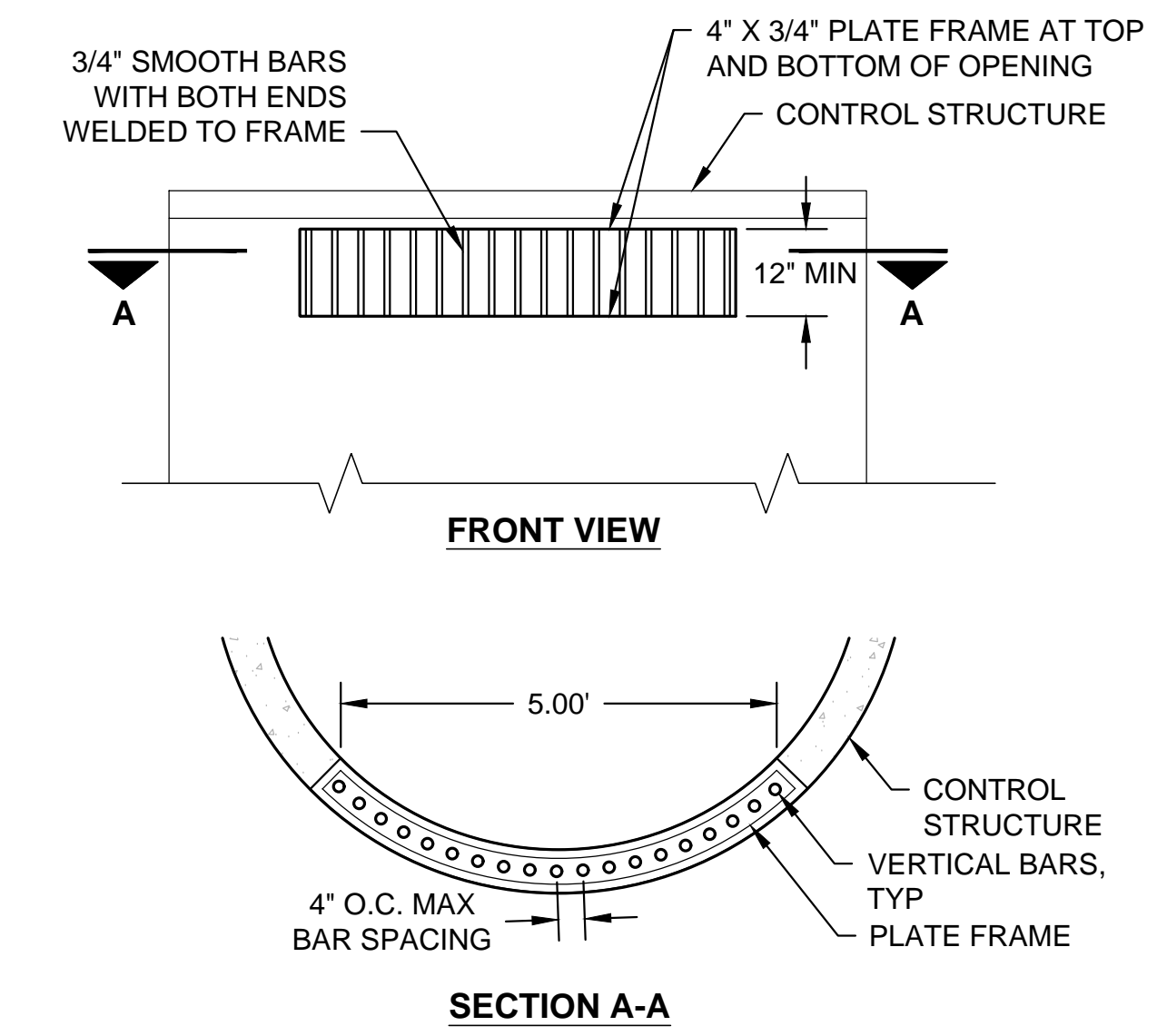
**DETAIL - STORM SEWER PIPE TRENCH**  
SCALE: NTS



- TRENCH NOTES:**
1. WIDTH = MAXIMUM WIDTH OF TRENCH. FOR PIPES 12" OR LESS IN DIAMETER, W=30". FOR PIPES LARGER THAN 12" IN DIAMETER, WIDTH=OD+16".
  2. EXCAVATED MATERIAL IS KNOWN TO MEET THE REQUIREMENTS OF GRAVEL BORROW. TRENCH BACKFILL SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**DETAIL - SECONDARY INLET "JAILHOUSE WINDOW"**  
SCALE: NTS



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 Recorded Survey: \_\_\_\_\_  
 Control Monument: \_\_\_\_\_  
 Surveyed By: \_\_\_\_\_ Date: \_\_\_\_\_  
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NO.	DATE	BY	REVISION

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Designed By: D WERNER

Inspected By: M FONTAINE

W.O. No.: \_\_\_\_\_

Date: SEPT 2023

September 15, 2023

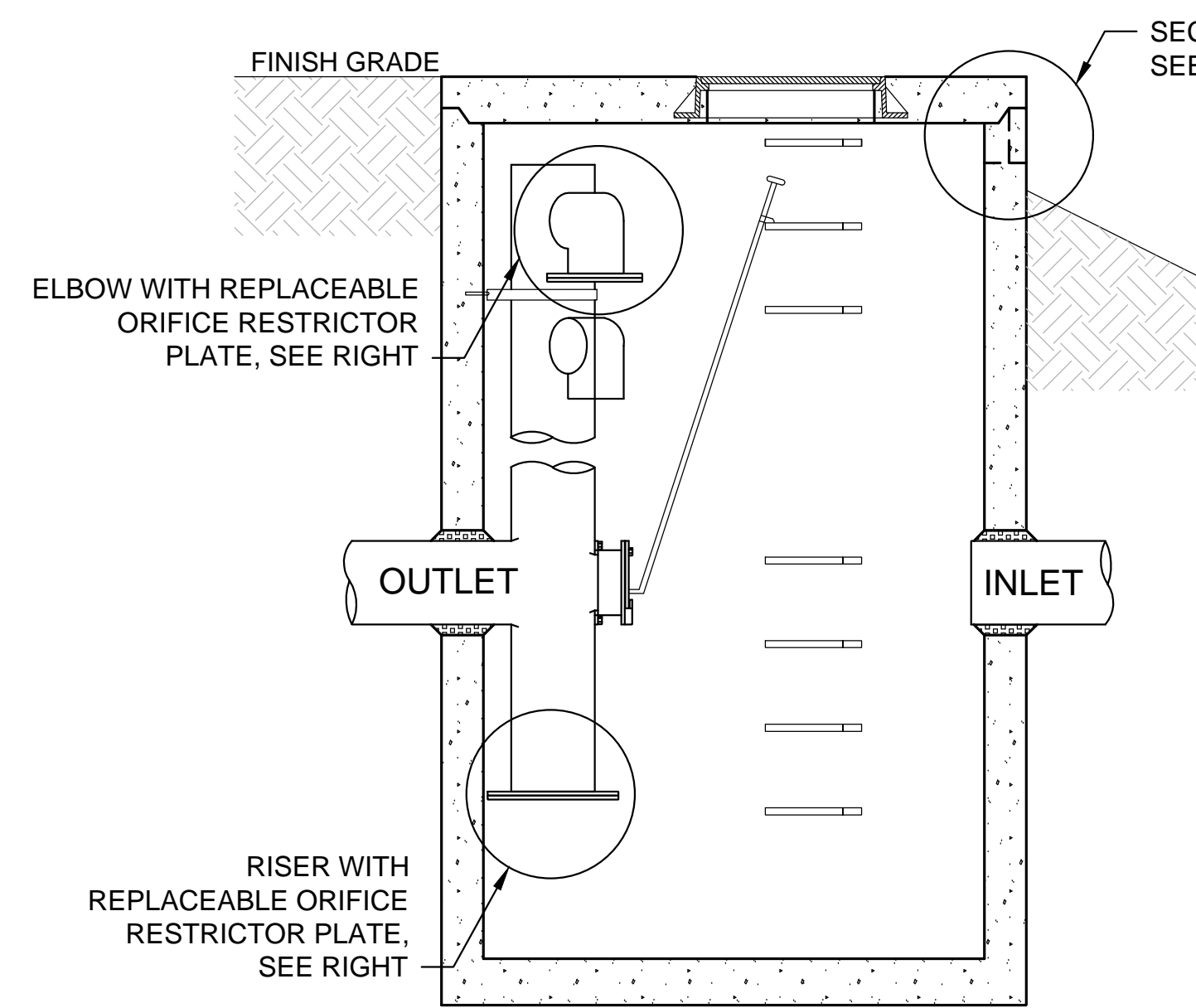


**CITY OF BAINBRIDGE ISLAND**  
ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

DETAILS 1

Drawing No. C6.01  
Sheet No. 12 / 18  
Of Total



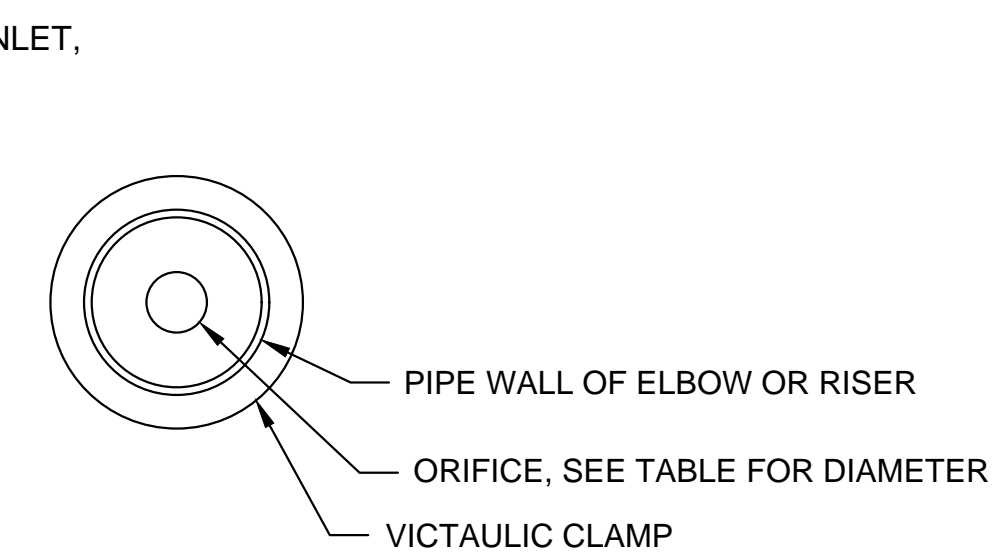
SECTION THROUGH CB TYPE 2 WITH FLOW RESTRICTOR

NOTES:

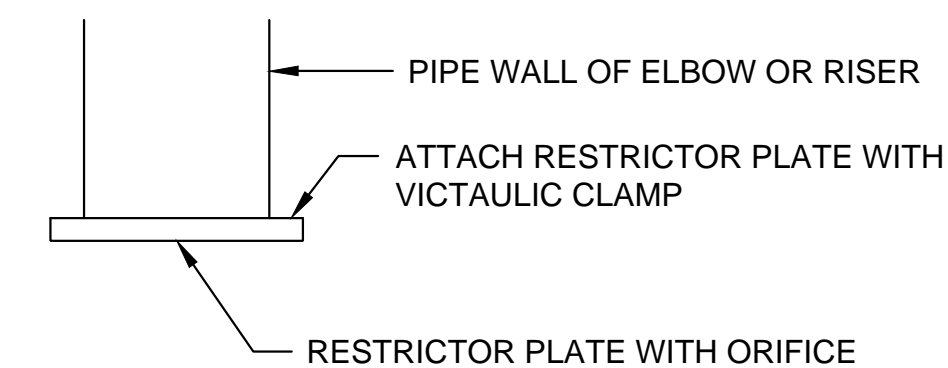
- THIS DETAIL APPLIES TO REPLACEABLE ORIFICE PLATE ONLY. REFER TO WSDOT STD PLAN B-10.40-02 FOR FLOW RESTRICTOR DETAIL.

DETAIL - REPLACEABLE ORIFICE PLATES

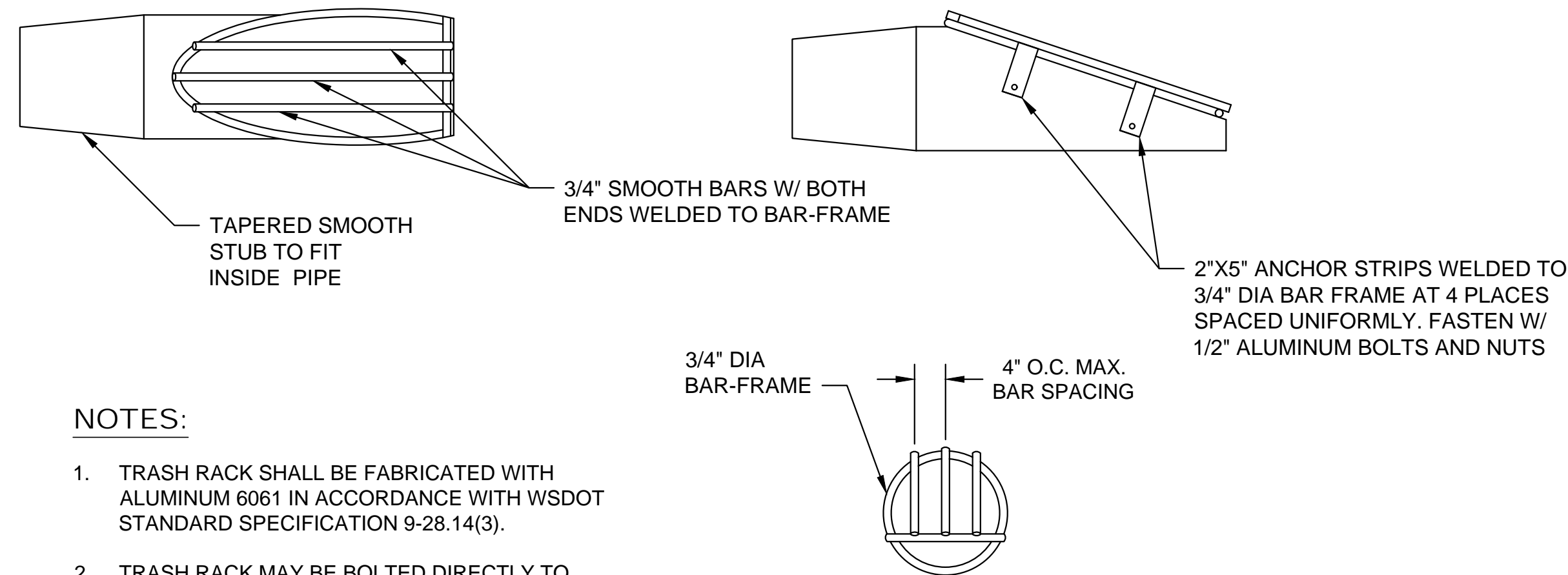
SCALE: NTS



TOP VIEW - ORIFICE RESTRICTOR PLATE



SIDE VIEW - ORIFICE RESTRICTOR PLATE



NOTES:

- TRASH RACK SHALL BE FABRICATED WITH ALUMINUM 6061 IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 9-28.14(3).
- TRASH RACK MAY BE BOLTED DIRECTLY TO TAPERED PIPE END FOR THERMOPLASTIC PIPE. CUT PIPE END AT 45 DEGREES OR MATCH GROUND SLOOPE FOR STEEPER SLOPES.

DETAIL - TRASH RACK

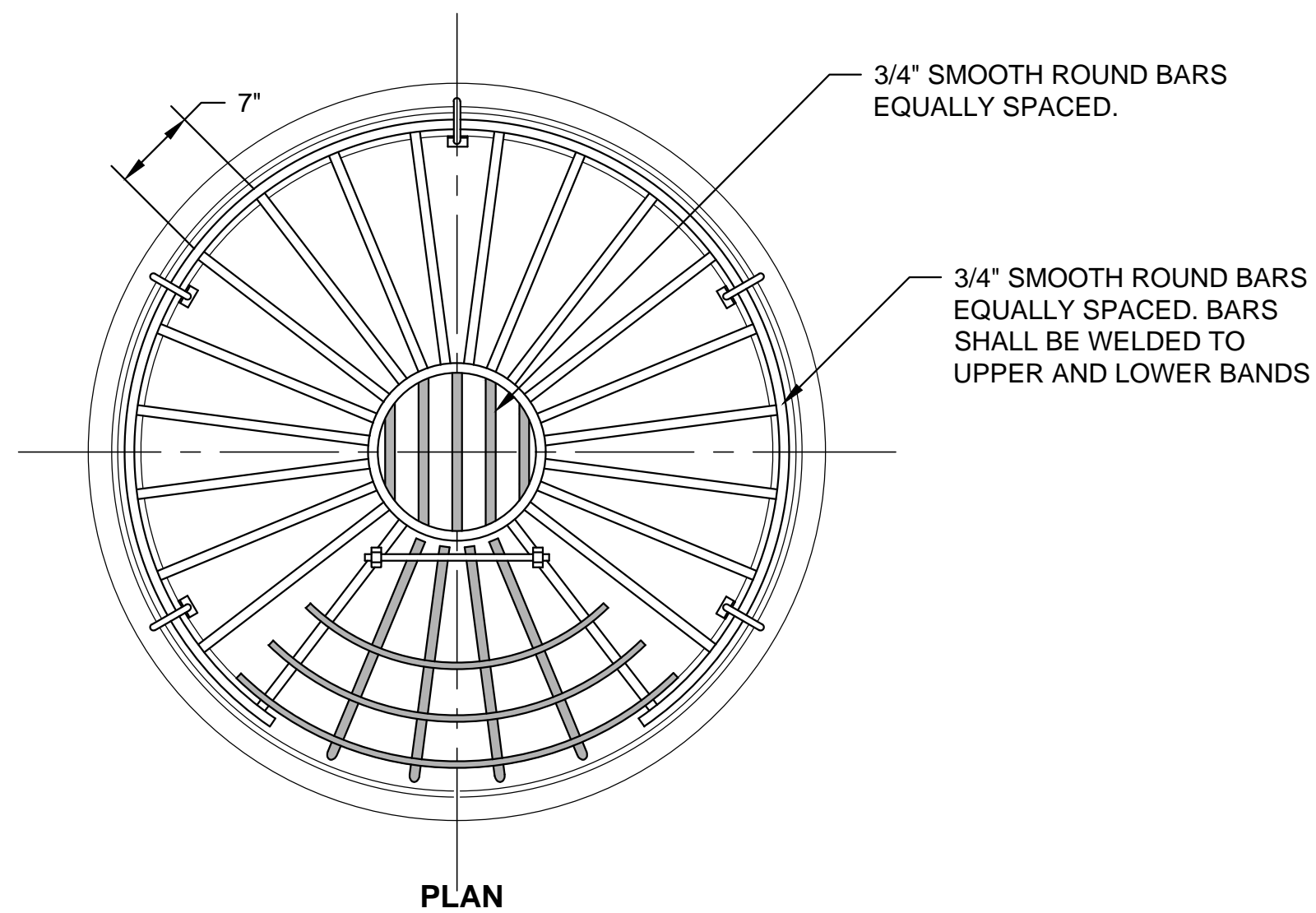
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FLOW RESTRICTOR NOTES

- CONSTRUCT FLOW RESTRICTOR PER WSDOT STD PLAN B-10.40-02. MODIFY STD PLAN TO INCLUDE REPLACEABLE ORIFICE PLATES, SEE DETAIL 1/C6.02.
- SET ORIFICES SIZES AND ELEVATIONS PER THE TABLE BELOW.

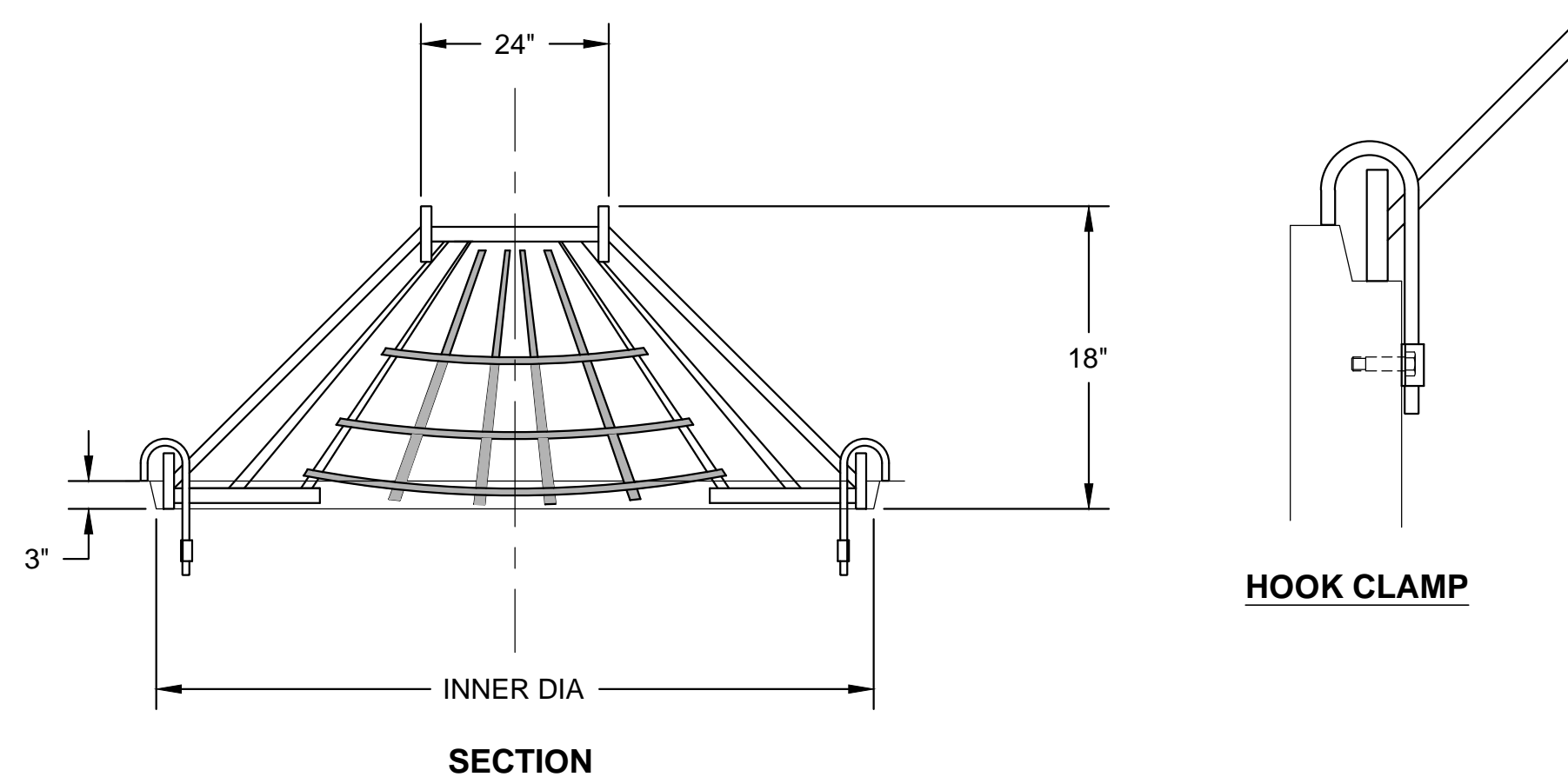
ORIFICE #	ELEVATION	DIA (IN)
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2	207.95	2.5
3	208.95	3.0
4	209.95	2.75
5	210.45	2
6	210.75	2
7 (RISER STRUCTURE)	211.10	24

- CONSTRUCT SECONDARY INLET, SEE DETAIL 7/C6.01.



DETAIL - DEBRIS BARRIER

SCALE: NTS



NOTES:

- DEBRIS BARRIER SHALL BE FABRICATED WITH ALUMINUM 6061 IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 9-28.14(3).

CB DIA (IN)	INNER DIA (IN)
48	47.5
54	53.5
60	59.5
72	71.5
96	95.5

HOOK CLAMP

3

VARIES

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Designed By: D. WERNER  
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W.O. No.:  
Date: SEPT 2023



CITY OF BAINBRIDGE ISLAND  
ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK



DETAILS 2

Drawing No. C6.02  
Sheet No. 13 / 18  
Of Total

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Checked By:  
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Field Bk/Pg:  
Recorded Survey:  
Kitsap County Auditor  
AF-  
Constructed By:  
Date:

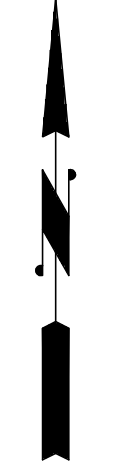
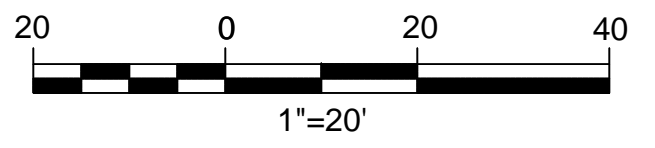


**TREE SCHEDULE**

DECIDUOUS TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	ACE CIR	2	Acer circinatum	Vine Maple	2 gal
	AME SER	1	Amelanchier alnifolia	Serviceberry	2 gal
	COR NUT	1	Cornus nuttallii	Pacific Dogwood	2 gal
	COR WES	1	Corylus cornuta	Western Hazelnut	2 gal
	FRA PUR	1	Frangula purshiana	Cascara Buckthorn	2 gal
	MAL PAC	1	Malus fusca	Oregon Crab Apple	2 gal
	PT	5	Populus tremuloides	Quaking Aspen	2 gal
	PRU EMA	1	Prunus emarginata	Bitter Cherry	2 gal
FRUIT TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	CHA SPE	2	Chaenomeles speciosa	Flowering Quince	5 gal.
	CYD OBL	1	Cydonia oblonga	Edible Quince	5 gal.
	FIC CAR	1	Ficus carica	Common Fig	5 gal.
	PRU POS	1	Prunus cerasifera 'Hollywood'	Hollywood Purple-leaf Plum	5 gal.
	PYR ORS	1	Pyrus communis 'Orcas'	Orcas European Pear	5 gal.
	VIB LEN	1	Viburnum lentago	Nannyberry	5 gal.

**PLANTING NOTES**

- NON-NATIVE AND INVASIVE VEGETATION SHALL BE REMOVED PRIOR TO COMMENCING CONSTRUCTION. WEEDS SHALL BE REMOVED BY SELECTIVE CLEARING AND GRUBBING METHODS WITHIN THE SELECTIVE CLEARING AND GRUBBING AREAS. THE WORK SHALL BE MAINTAINED IN A WEED FREE CONDITION THROUGHOUT CONSTRUCTION UNTIL THE CLOSE OF THE CONTRACT.
- FINISH GRADING AND PLANTING AREA PREPARATION SHALL BE APPROVED BY ENGINEER PRIOR TO SEEDING AND PLANT INSTALLATION.
- LANDSCAPE ARCHITECT SHALL APPROVE PLANT BOUNDARIES AND SAMPLE LAYOUTS PRIOR TO PLANTING.
- PLANT SUBSTITUTIONS ARE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT.
- PLANTS SHALL BE TAGGED OR MARKED FOR IDENTIFICATION WHEN DELIVERED. PLANTS SHALL BE ORGANIZED IN ROWS OF SAME SPECIES AND INSPECTED UPON EACH DAY OF DELIVERY. NURSERY TICKETS DOCUMENTING PLANT SPECIES, STOCK TYPES, AND QUANTITIES WILL BE PROVIDED TO LANDSCAPE ARCHITECT OR PROJECT REPRESENTATIVE EACH DAY OF DELIVERY.
- KEEP PLANTS SHADED UNTIL THE ACTUAL TIME OF PLANTING. DO NOT LET PLANT MATERIAL SIT OUT IN SUN OR DRY OUT BEFORE PLANTING.
- ALL PLANTS SHALL CONFORM TO THE STANDARDS OF THE CURRENT EDITION OF AMERICAN STANDARD FOR NURSERY STOCK AS APPROVED BY THE AMERICAN STANDARDS INSTITUTE (ANSI Z60.1-2014).
- ALL PLANT MATERIALS SHALL HAVE NORMAL, WELL-DEVELOPED BRANCHES AND VIGOROUS STEMS, AND BE FREE FROM PHYSICAL DEFECTS, PLANT DISEASES, AND INSECT PESTS.
- THE UPPER MEADOW AREA SHALL BE SEEDDED WITH THE XERCES SOCIETY ALL NATIVE SEED MIX FOR DRY SITES IN WILLAMETTE VALLEY AND PUGET SOUND TROUGH.
- EROSION CONTROL AND WATER QUALITY SEED MIX WILL BE APPLIED TO EMERGENCY SPILLWAY AREA.
- THE UPLAND BUFFER AREAS ASSUMES 60 PERCENT INVASIVE AND WEEDY VEGETATION IS PRESENT. ALL INVASIVE AND WEEDY VEGETATION SHALL BE REMOVED BY HAND, CAREFUL TO PROTECT THE ROOTS OF EXISTING NATIVE CANOPY.
- ALL CONTAINERIZED PLANTS SHALL BE NURSERY CONTAINER GROWN FROM SEED A MINIMUM OF ONE YEAR. PLANT MATERIAL IS TO BE SUPPLIED BY COMMERCIAL NURSERIES THAT SPECIALIZE IN NATIVE PLANTS.
- ALL TREE AND SHRUB PLANTING SHALL HAVE A SETBACK MINIMUM OF 24 INCHES FROM ALL PATH EDGES. TREES SHALL HAVE A MINIMUM SETBACK OF 10 FEET FROM PIPES. ALL GROUND COVER AND EMERGENT PLANTING SHALL HAVE A SETBACK OF 18 INCHES FROM ALL PATH EDGES.
- PRIOR TO PLANTING, MOVE ARBORIST WOOD CHIP MULCH AWAY FROM PLANT EXCAVATION AREAS. EXCAVATE PLANTING HOLES. CAREFUL TO KEEP MULCH OUT OF SOIL BACKFILL MATERIAL. NO MULCH SHALL BE ALLOWED TO MIX WITH SOIL BACKFILL MATERIAL OR USED AS PLANTING BACKFILL. INSTALL PLANTS ACCORDING TO DETAILS. REPLACE ARBORIST WOOD CHIP MULCH LAYER, CAREFUL TO KEEP MULCH AWAY FROM BASE OF TRUNKS AND STEMS.
- THOROUGHLY WATER ALL PLANTED AREAS IMMEDIATELY AFTER PLANTING AND WATER FOR OPTIMUM HEALTH DURING DRY PERIODS DURING PLANT ESTABLISHMENT PERIOD.



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Scale:  
Horiz: AS NOTED  
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L. HOLTZ  
Inspected By:  
K. FORESTER  
W.O. No.:  
Date:  
SEPT 2023

**CITY OF BAINBRIDGE ISLAND**  
ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

PLANTING PLAN 1  
TREE PLAN

Drawing No.  
**L1.01**  
Sheet No.  
**14** / **18**  
Of Total

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 Field Bk/Pg:  
 Recorded Survey:  
 Klispas County Auditor  
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 Constructed By:  
 Date:

SHRUB AND GROUNDCOVER SCHEDULE

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	COR RE5	28	Cornus sericea	Red Twig Dogwood	1 gal.
	GAU SHA	24	Gaultheria shallon	Salal	1 gal.
	HOL DIS	6	Holodiscus discolor	Oceanspray	1 gal.
	MAH AQU	9	Mahonia aquifolium	Oregon Grape	1 gal.
	MAH REP	160	Mahonia repens	Creeping Mahonia	1 gal.
	OEM CER	11	Oemleria cerasiformis	Osoberry	1 gal.
	PHI WI2	4	Philadelphus lewisii	Wild Mockorange	1 gal.
	PHY CAP	3	Physocarpus capitatus	Pacific Ninebark	1 gal.
	RIB SAN	10	Ribes sanguineum	Red Flowering Currant	1 gal.

	ROS GYM	22	Rosa gymnocarpa	Wood Rose	1 gal.
	ROS NUT	36	Rosa nutkana	Nootka Rose	1 gal.
	ROS PIS	42	Rosa pisocarpa	Clustered Wild Rose	1 gal.
	RUB SPE	23	Rubus spectabilis	Salmonberry	1 gal.
	SAL GEY	5	Salix geyeriana	Geyer Willow	1 gal.
	SAL PRO	9	Salix prolixa	MacKenzie's Willow	1 gal.
	SAL SCO	12	Salix scouleriana	Scouler's Willow	1 gal.
	SAL SIT	9	Salix sitchensis	Sitka Willow	1 gal.
	SAM CA2	3	Sambucus nigra caerulea	Blue Elderberry	1 gal.
	SPI DOU	28	Spiraea douglasii	Western Spirea	1 gal.
	SYM ALB	110	Symphoricarpos albus	Common White Snowberry	1 gal.
	VAC OVA	43	Vaccinium ovatum	Evergreen Huckleberry	1 gal.

EMERGENTS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	CAR OBN	170	Carex obnupta	Slough Sedge	10" Plug
	DES TUF	159	Deschampsia cespitosa	Tufted Hair Grass	10" Plug
	FES RED	156	Festuca rubra	Red Fescue	10" Plug
	JUN PAT	144	Juncus patens	California Gray Rush	10" Plug
	JUN TEN	141	Juncus tenuis	Poverty Rush	10" Plug
	SCI MIC	157	Scirpus microcarpus	Small-fruited Bulrush	10" Plug

FERNS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	POL MU2	144	Polystichum munitum	Western Sword Fern	1 gal.

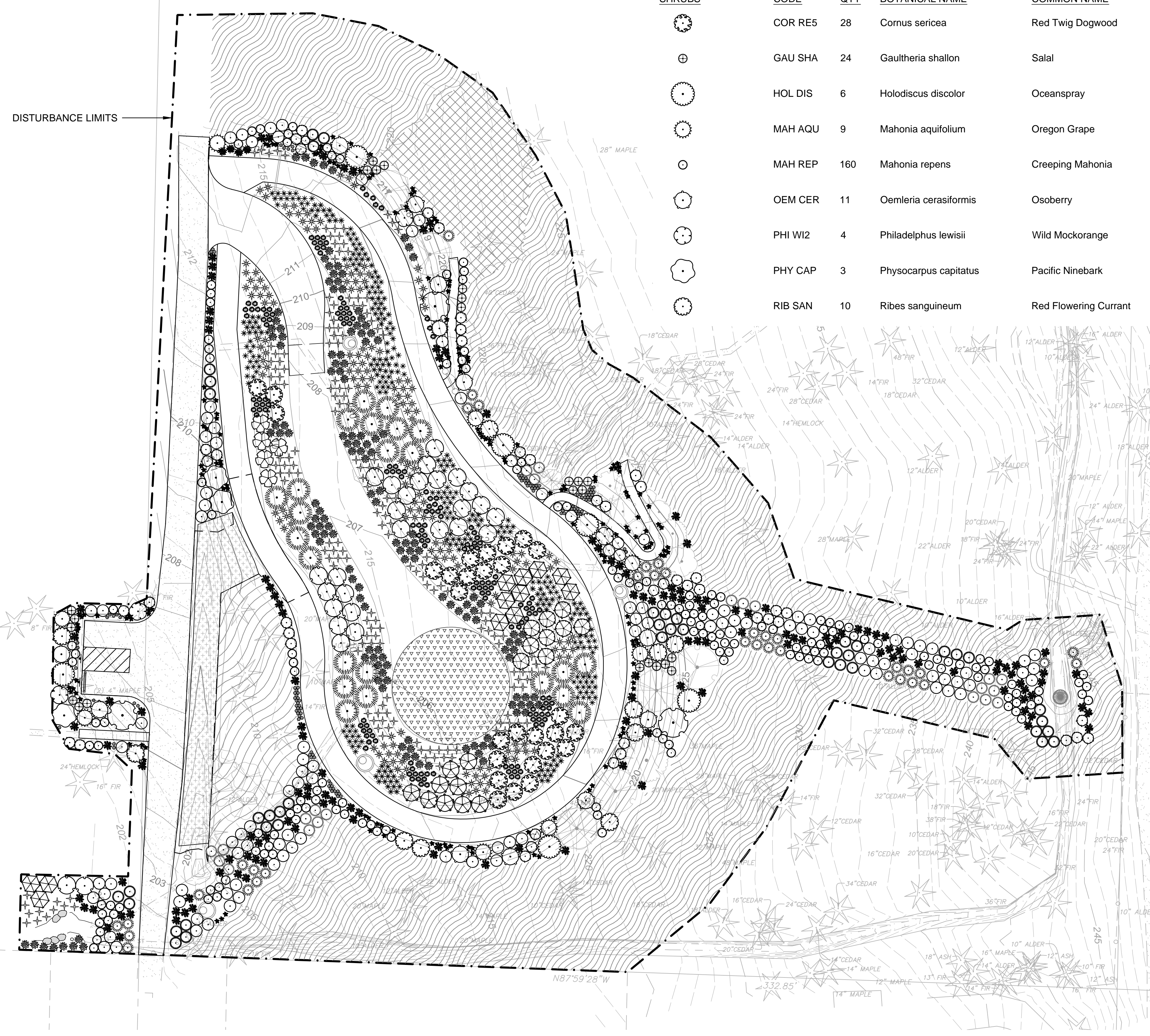
  

FRUITS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	VAC HIG	3	Vaccinium corymbosum	Highbush Blueberry	1 gal.

GROUNDCOVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
	FRA CH2	161	Fragaria chiloensis	Beach Strawberry	BRS
	PET PA2	4	Petasites frigidus palmatus	Arctic Sweet Coltsfoot	BRS
	TOL MEN	115	Tolmiea menziesii	Piggy-back Plant	BRS

BRS = Bare Root Seedling  
 Gal = Gallon



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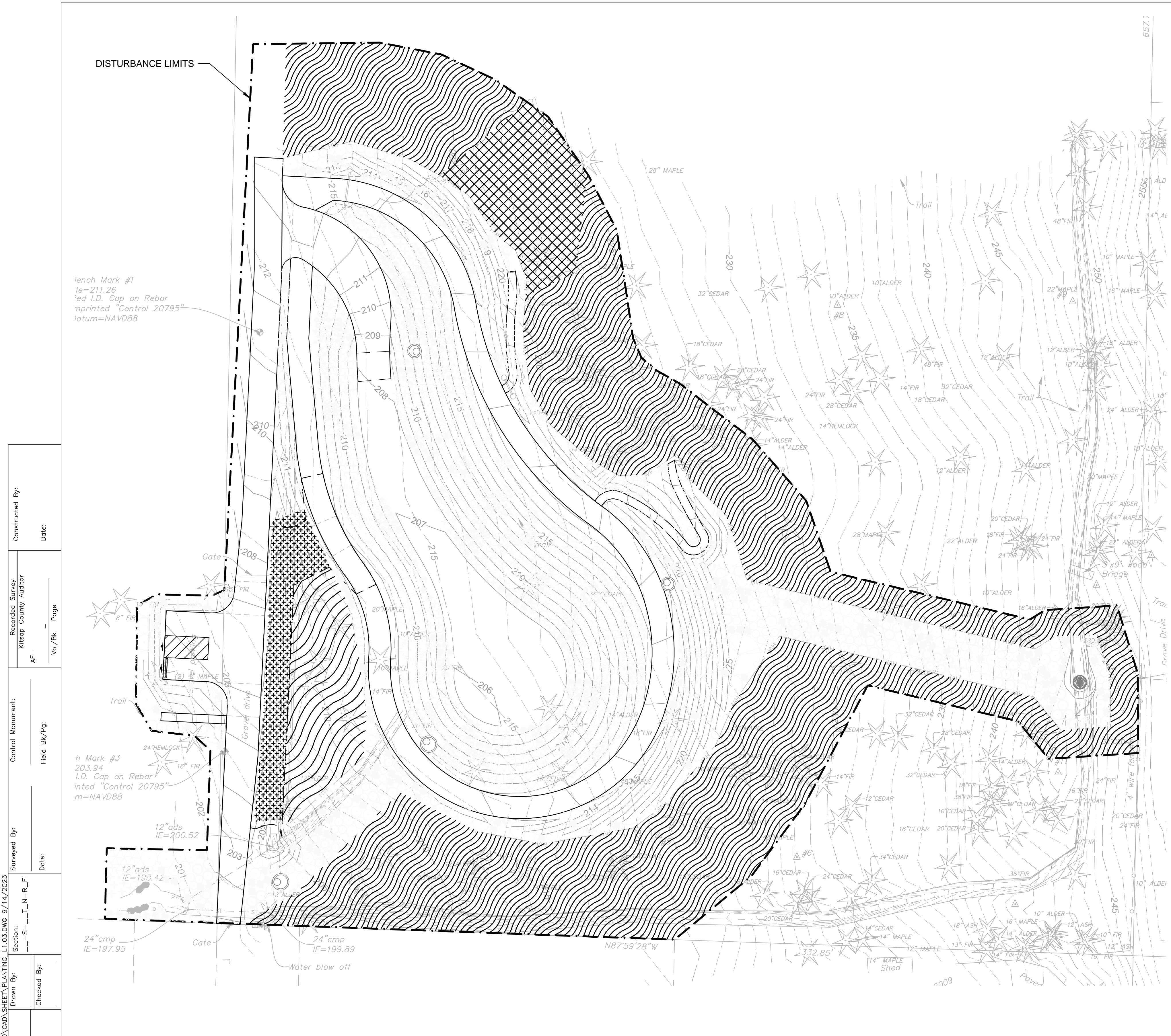
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 SEPT 2023

CITY OF BAINBRIDGE ISLAND  
 ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

PLANTING PLAN 2  
 SHRUBS AND GROUNDCOVERS

Drawing No.  
**L1.02**  
 Sheet No.  
**15** / **18**  
 Of Total



UPLAND BUFFER PLANTING AND SEED MIX SCHEDULE

NATIVE SHRUB/GROUNDCOVER ENHANCEMENT AREA				
Botanical / Common Name	Qty	Size	Spacing	
Fragaria chiloensis / Beach Strawberry	820	BRS	12" oc	
Gaultheria shallon / Salal	69	1 gal.	36" oc	
Holodiscus discolor / Oceanspray	17	1 gal.	8' oc	
Mahonia aquifolium / Oregon Grape	12	1 gal.	6' oc	
Mahonia repens / Creeping Mahonia	46	1 gal.	36" oc	
Oemleria cerasiformis / Osoberry	29	1 gal.	6' oc	
Philadelphus lewisii / Wild Mockorange	23	1 gal.	6' oc	
Physocarpus capitatus / Pacific Ninebark	17	1 gal.	8' oc	
Polystichum munitum / Western Sword Fern	69	1 gal.	36" oc	
Ribes sanguineum / Red Flowering Currant	29	1 gal.	6' oc	
Rosa gymnocarpa / Wood Rose	26	1 gal.	4' oc	
Rosa nutkana / Nootka Rose	26	1 gal.	4' oc	
Rosa pisocarpa / Clustered Wild Rose	26	1 gal.	4' oc	
Sambucus nigra caerulea / Blue Elderberry	9	1 gal.	10' oc	
Symphoricarpos albus / Common White Snowberry	39	1 gal.	4' oc	
Tolmiea menziesii / Piggy-back Plant	820	BRS	12" oc	
Vaccinium ovatum / Evergreen Huckleberry	39	1 gal.	4' oc	

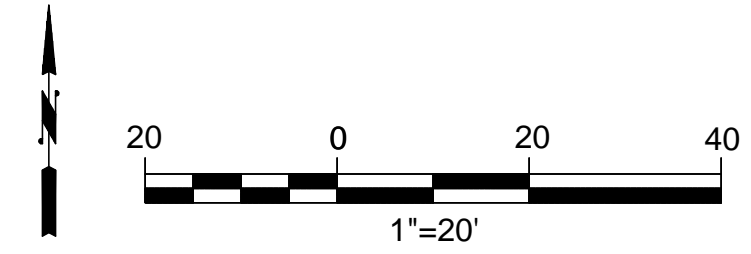
**XERCES NATIVE SEED MIX FOR DRY SITES IN WV/PS - 2,017 SF**  
**Estimated PLS Pounds Per Acre - 91.26**

Scientific Name	Common Name	Target Seeds Per Square Foot	% of Species Composition Within Mix	Estimated PLS Pounds/Species
<i>Achillea millefolium occidentale</i>	Western Yarrow	1	1.0%	0.02
<i>Asclepias speciosa</i>	Showy Milkweed	1	1.0%	0.79
<i>Camassia leichtlinii</i>	Great Camas	1	1.0%	0.99
<i>Clarkia amoena</i>	Farewell to Spring	7	7.0%	0.30
<i>Collomia grandiflora</i>	Large-flowered Collomia	2	2.0%	0.86
<i>Danthonia californica</i>	California Oatgrass	6	6.0%	3.96
<i>Eriophyllum lanatum</i>	Woolly Sunflower	7	7.0%	0.34
<i>Festuca roemeri</i>	Roemer's Fescue	6	6.0%	0.54
<i>Gilia capitata</i>	Blue Thimble Flower	4	4.0%	1.65
<i>Grindelia integrifolia</i>	Puget Sound Gumweed	4	4.0%	1.64
<i>Koeleria macrantha</i>	Riverbank Lupine	6	6.0%	0.14
<i>Lupinus polyphyllus</i>	Large-leaved Lupine	2	2.0%	6.03
<i>Lupinus rivularis</i>	Riverbank Lupine	0.5	0.5%	0.93
<i>Madia elegans</i>	Tarweed	5	5.0%	2.08
<i>Plectritis congesta</i>	Shortspur Seablush	8	8.0%	0.30
<i>Potentilla gracilis</i>	Slender Cinquefoil	5	5.0%	2.06
<i>Prunella vulgaris</i>	Self-heal	10	10.0%	37.35
<i>Sidalcea campestris</i>	Meadow Checkerbloom	1.5	1.5%	1.12
<i>Solidago canadensis</i>	Goldenrod	15	15.0%	0.19
<i>Symphotrichum hallii</i>	Hall's aster	4	4.0%	0.11
<i>Symphotrichum subspicatum</i>	Douglas Aster	4	4.0%	1.65

**EROSION CONTROL AND WATER QUALITY SEED MIX - 1,201 SF**  
**Estimated PLS Pounds Per Acre - 15.87**

Scientific Name	Common Name	Target Seeds Per Square Foot	% of Species Composition Within Mix	Estimated PLS Pounds/Species
<i>Achillea millefolium</i>	Common yarrow	3	3%	0.06
<i>Elymus glaucus</i>	Blue wildrye	30	30%	14.71
<i>Festuca rubra var rubra</i>	Red fescue	25	25%	2.74
<i>Geum macrophyllum</i>	Large-leaved avens	2	2%	0.14
<i>Koeleria macrantha</i>	Prairie junegrass	20	20%	0.51
<i>Poa palustris</i>	Fowl bluegrass	20	20%	0.38

\*PLS = Pure Live Seed



ISSUED FOR BIDDING

NO.	DATE	BY	REVISION

Scale: Horiz: AS NOTED  
 Vert: NONE  
 Designed By: L. HOLTZ  
 Inspected By: K. FORESTER  
 W.O. No.:  
 Date: SEPT 2023

**CITY OF BAINBRIDGE ISLAND**  
**ENGINEERING & PUBLIC WORKS DEPARTMENT**

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK

**HERRERA**  
 Science + Planning + Design

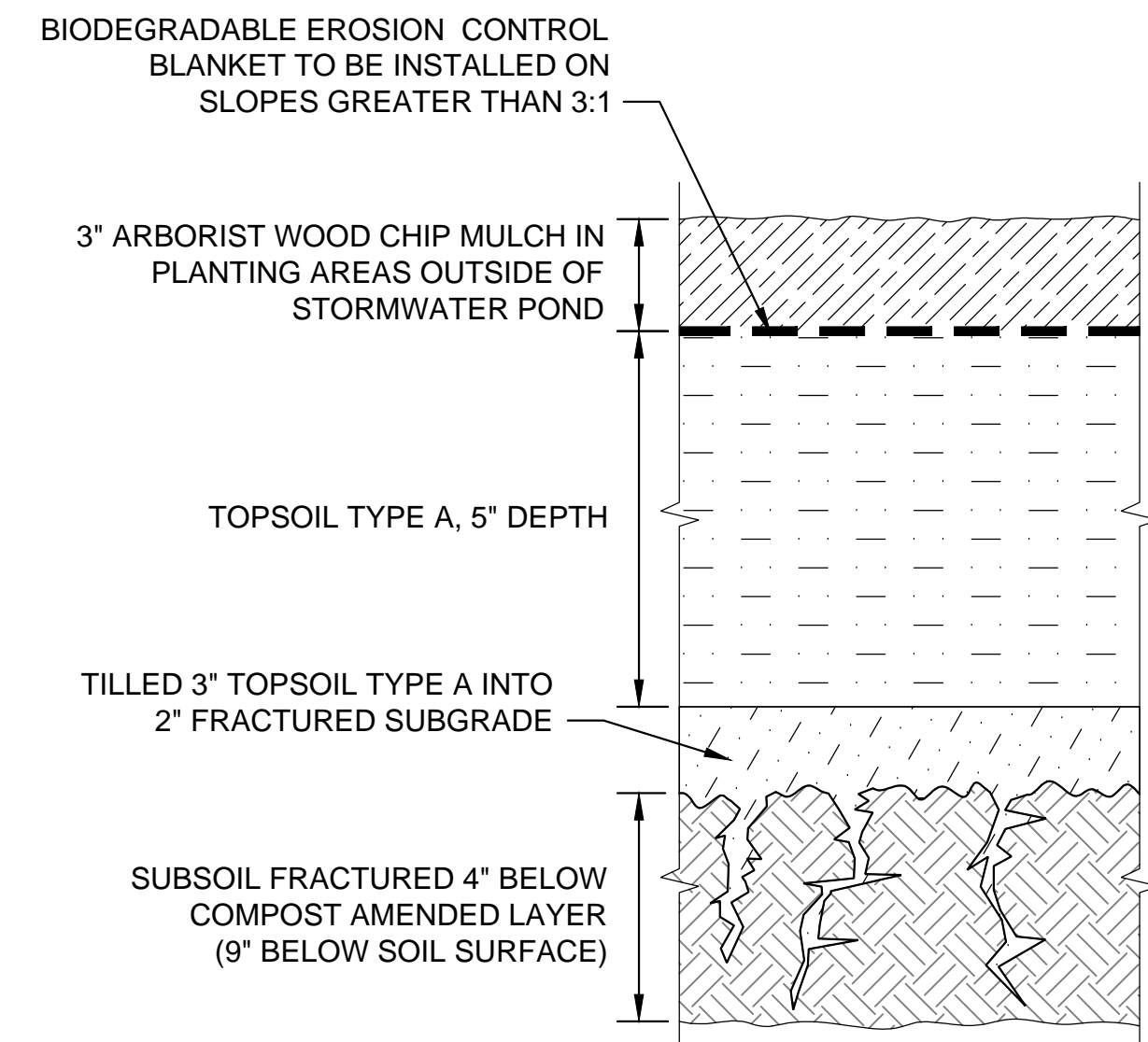
PLANTING PLAN 3  
 BUFFER PLANTING AND SEED MIXES

Drawing No. **L1.03**  
 Sheet No. **16** / **18**  
 Of Total

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 Drawn By: Checked By:  
 Surveyed By: Control Monument: Field Bk/Pg:  
 Recorded Survey: Klispas County Auditor AF- Page:  
 Constructed By: Date:

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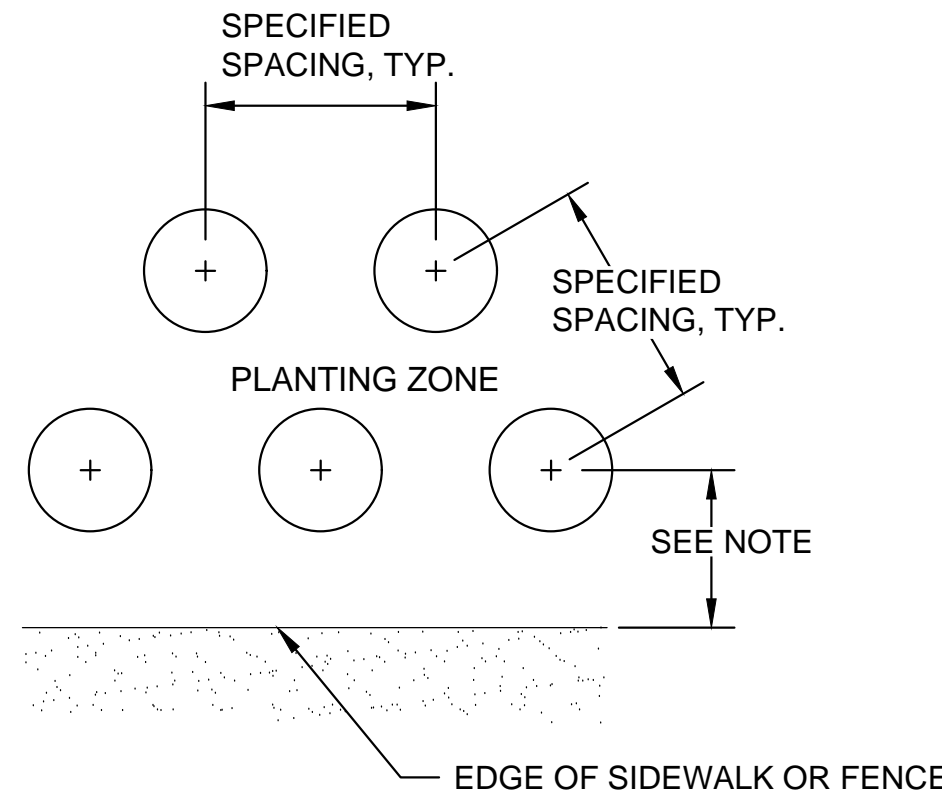
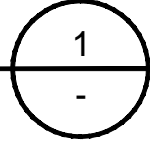


**NOTES:**

1. FRACTURE SUBGRADE TO A DEPTH OF 6 INCHES.
2. PLACE 3 INCH LIFT OF TOPSOIL TYPE A OVER FRACTURED SUBGRADE AND TILL INTO TOP 2 INCHES OF SUBGRADE.
3. PLACE 6 INCH LIFT OF TOPSOIL TYPE A OVER TILLED TOPSOIL AND SUBGRADE LAYER. LIGHTLY COMPACT.
4. PLACE REMAINING 3 INCHES OF TOPSOIL TYPE A.
5. FOR SLOPES GREATER THAN 3:1, INCLUDE BIODEGRADABLE EROSION CONTROL BLANKET OVER TOPSOIL PRIOR TO PLACING ARBORIST WOOD CHIP MULCH.
6. PLACE 3 INCHES ARBORIST WOOD CHIP MULCH OVER PLANTING AREAS.
7. DO NOT PLACE ANY ARBORIST MULCH WITHIN THE LIMITS OF THE STORMWATER POND.

**DETAIL - SOIL PREPARATION**

SCALE: NTS

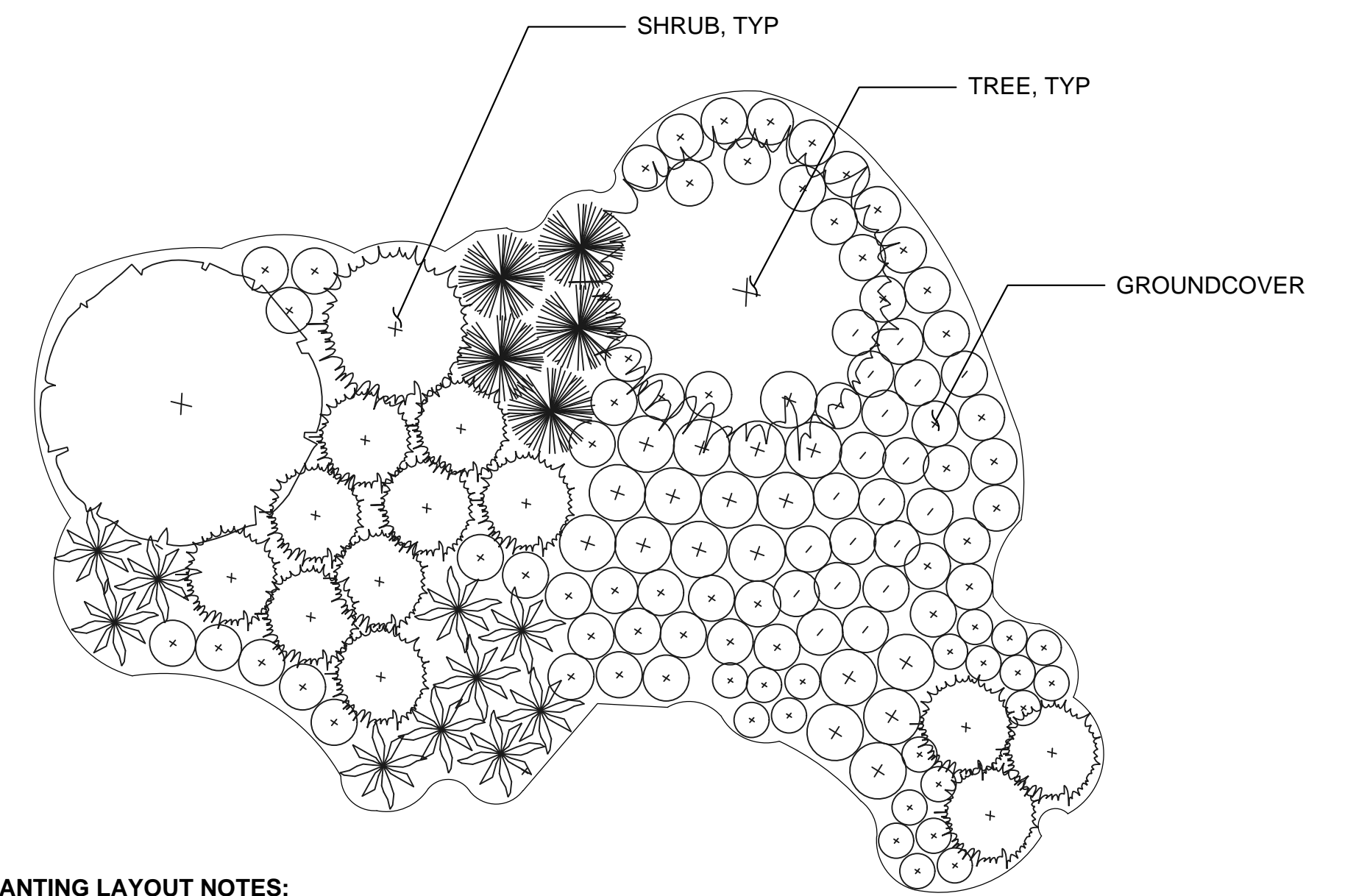
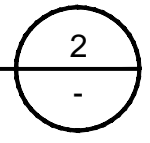


**NOTES:**

1. ALL TREE AND SHRUB PLANTING SHALL HAVE A SETBACK MINIMUM OF 24 INCHES FROM ALL PATH EDGES. TREES SHALL HAVE A MINIMUM SETBACK OF 10 FEET FROM PIPES.
2. PLANT GROUNDCOVERS AND EMERGENTS NO CLOSER THAN 18 INCHES FROM SIDEWALK AND INFRASTRUCTURE.

**DETAIL - PLANT SPACING**

SCALE: NTS

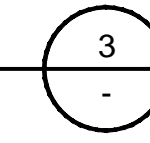


**PLANTING LAYOUT NOTES:**

1. PLANT GROUNDCOVERS, SHRUBS, AND TREES AS SHOWN ON PLAN. GROUNDCOVERS AND SHRUBS SHALL BE IN CLUSTERS OF UNEVEN NUMBERS (E.G. THREE, FIVE, SEVEN, ETC.)
2. PLANTS SHALL BE ARRANGED SO THAT AS THEY MATURE, THEY GROW IN TO MASSINGS AND FULLY COVER THE SOIL SURFACE.
3. PROVIDE A 3" ARBORIST WOOD CHIP MULCH BLANKET IN ALL PLANTING AREAS OUTSIDE OF THE STORMWATER POND LIMITS.

**DETAIL - PLANTING LAYOUT**

SCALE: NTS



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Vert: NONE  
Designed By:  
L. HOLTZ  
Inspected By:  
K. FORESTER  
W.O. No.:  
Date:  
SEPT 2023



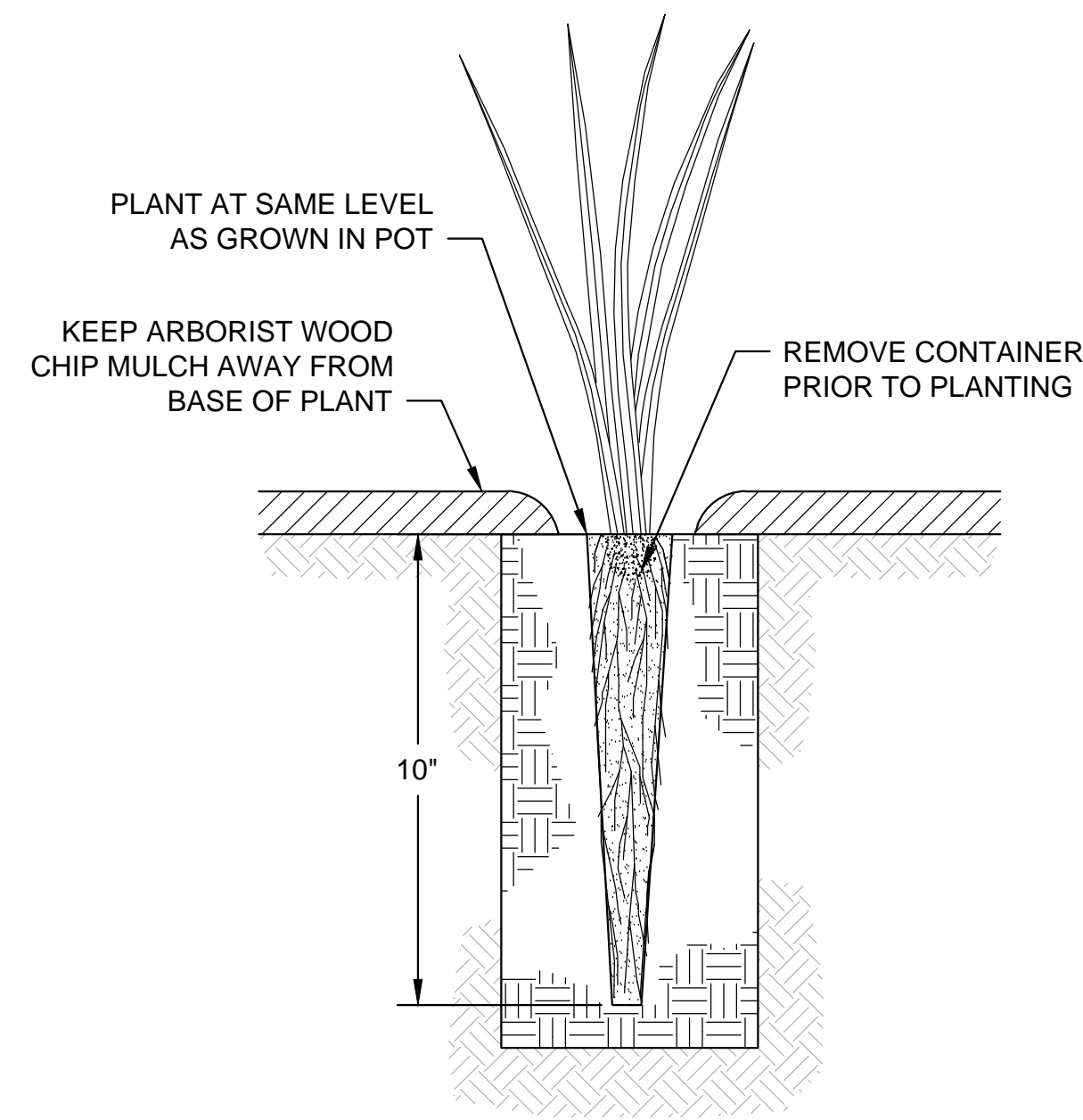
**CITY OF BAINBRIDGE ISLAND**  
ENGINEERING & PUBLIC WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD FOREST STORMWATER PARK



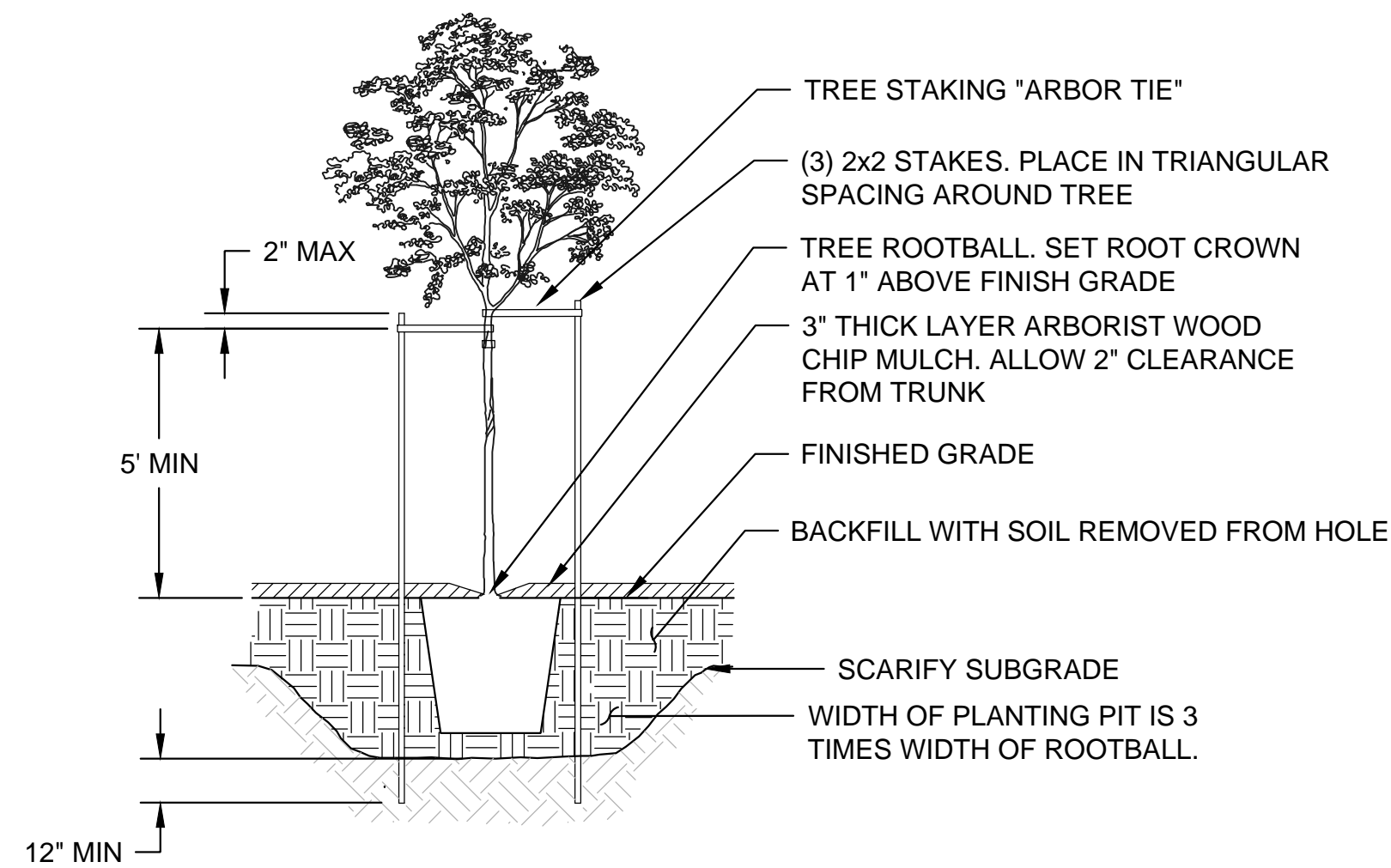
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Sheet No.  
**17** / **18**  
Of Total



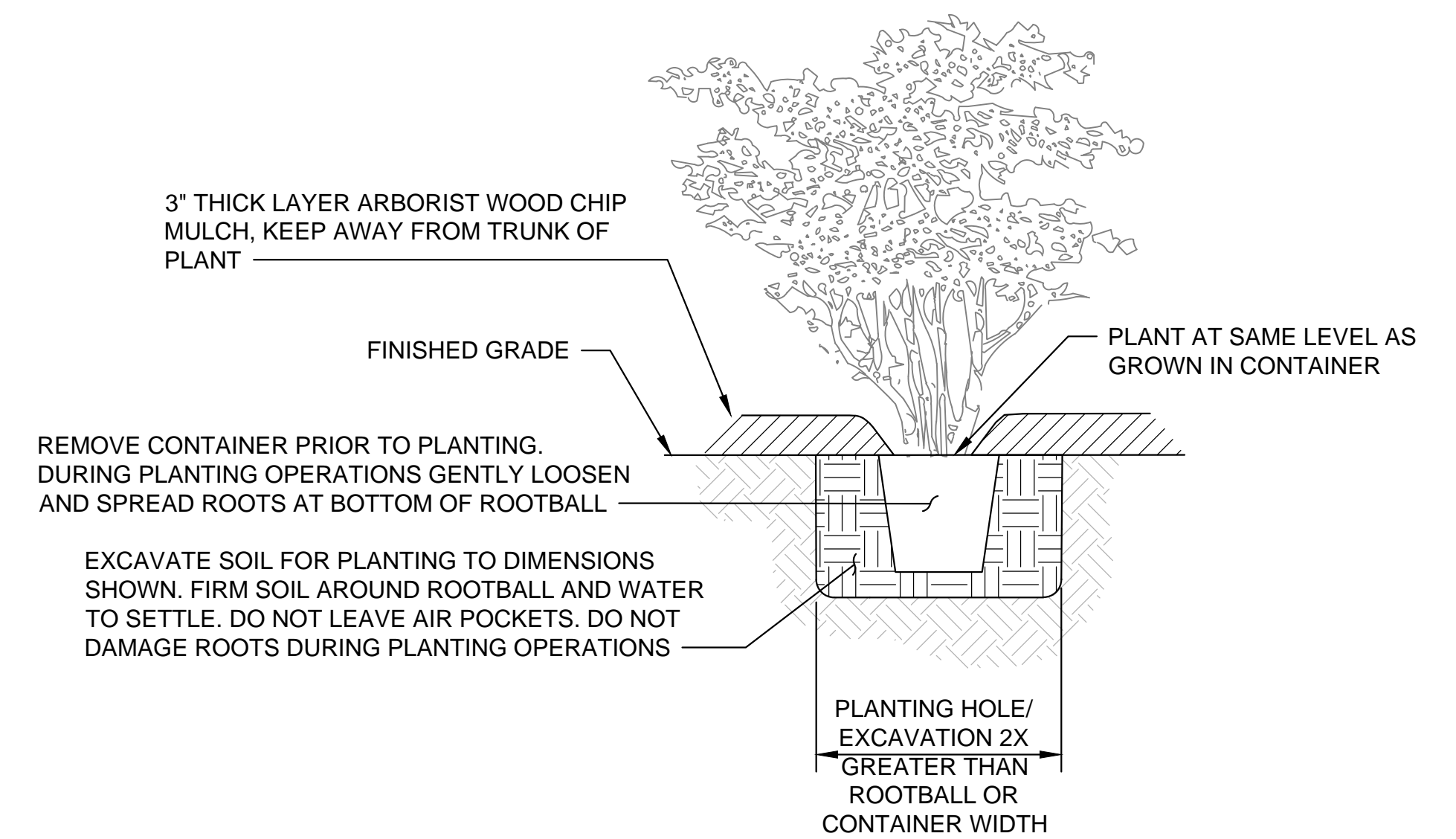
DETAIL - 10" DEEP ROOT PLUG PLANTING  
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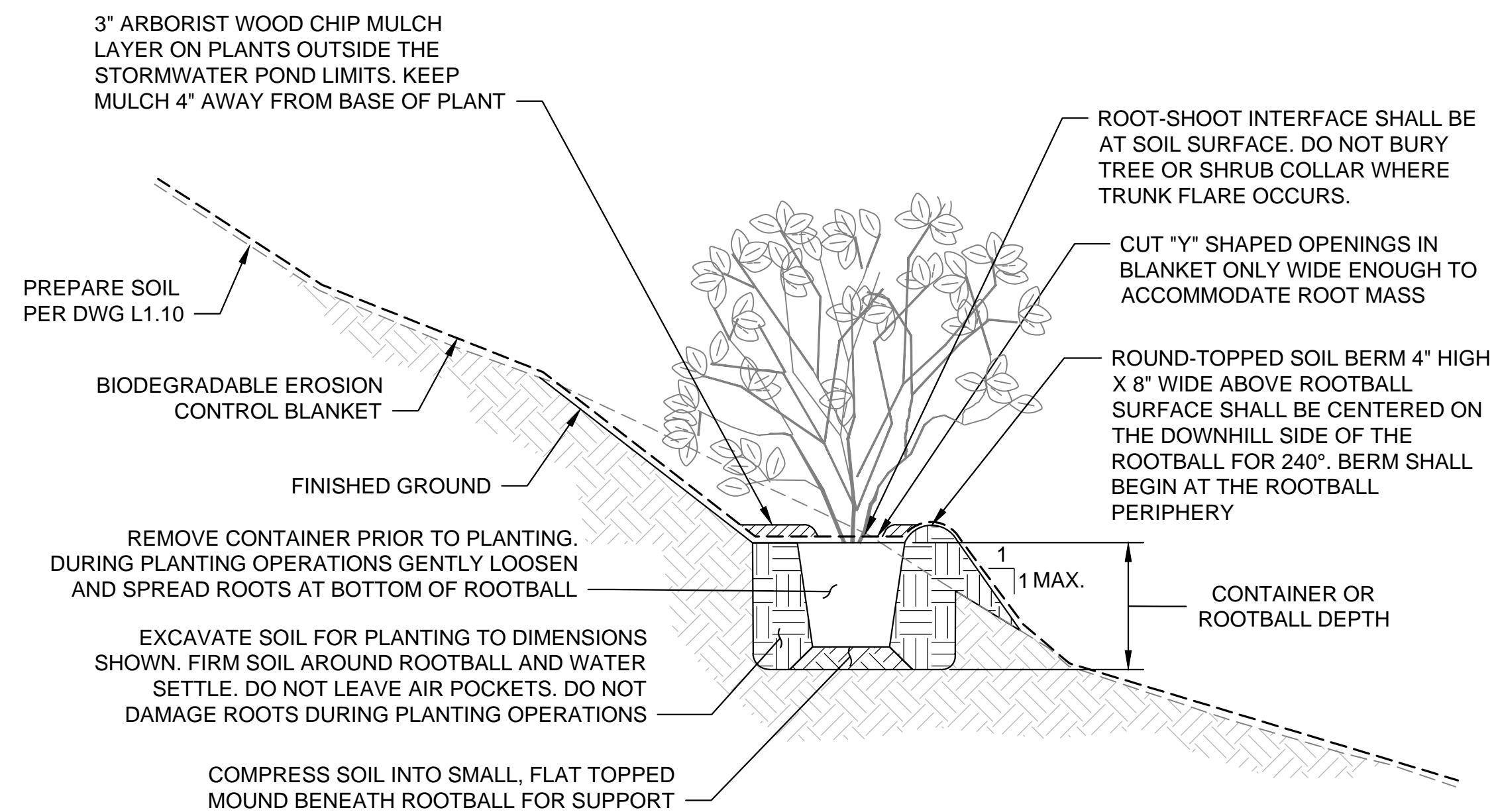
DETAIL - FRUIT TREE PLANTING/STAKING  
SCALE: NTS

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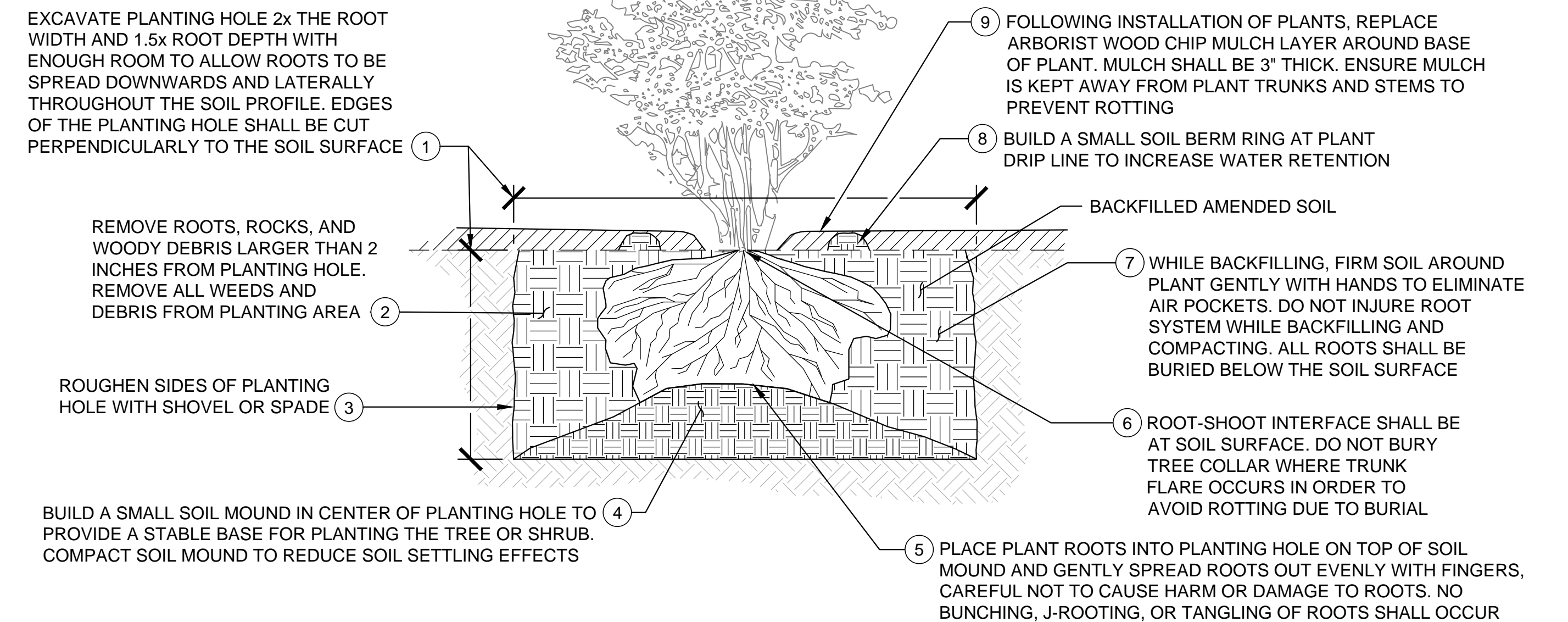
DETAIL - CONTAINER TREE AND SHRUB PLANTING  
SCALE: NTS

3  
-



DETAIL - CONTAINER TREE AND SHRUB PLANTING ON SLOPE  
SCALE: NTS

4  
-

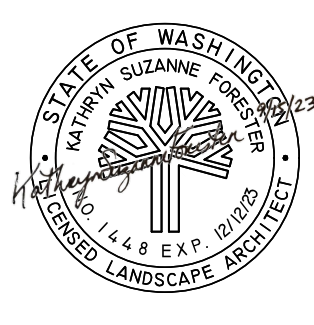


DETAIL - BARE ROOT PLANTING  
SCALE: NTS

5  
-

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Scale:  
Horiz: AS NOTED  
Vert: NONE  
Designed By:  
L. HOLTZ  
Inspected By:  
K. FORESTER  
W.O. No.:  
Date:  
SEPT 2023



CITY OF  
BAINBRIDGE ISLAND  
ENGINEERING & PUBLIC  
WORKS DEPARTMENT

BAINBRIDGE ISLAND NATIVE FOOD  
FOREST STORMWATER PARK



PLANTING DETAILS 2

Drawing No.  
L1.11  
Sheet No.  
18 / 18  
Of Total

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 Drawn By: XREF  
 Checked By:  
 Surveyed By:  
 Date:  
 Control Monument:  
 Field Bk/Pg:  
 Recorded Survey:  
 Klispap County Auditor  
 AF-  
 Vo/Bk Page  
 Constructed By:  
 Date: