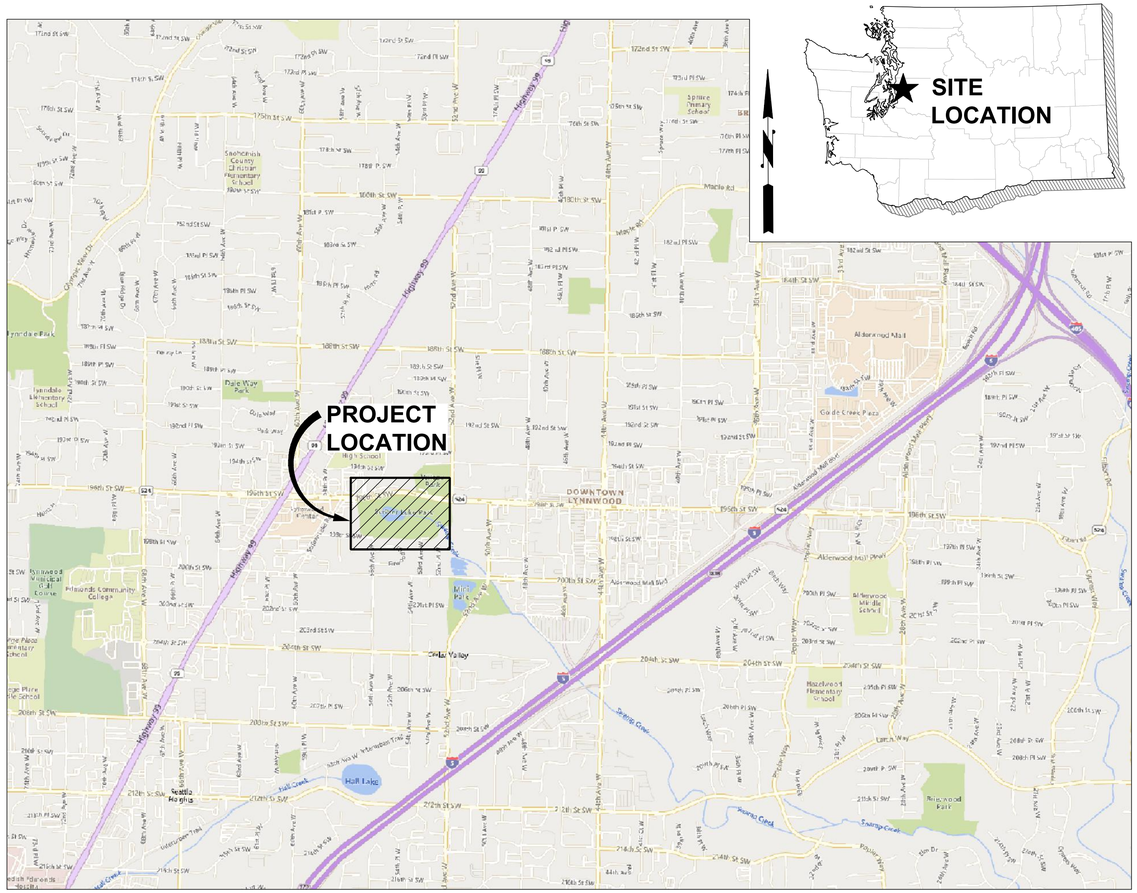
SCRIBER LAKE PARK BOARDWALK

5601 198TH ST SW, LYNNWOOD, WA 98037

CONTRACT NO. #3579



VICINITY MAP

SCALE: 1"=1/4 MILE

OWNER:

CITY OF LYNNWOOD PARKS, RECREATION & CULTURAL ARTS
CONTACT: MONICA THOMPSON, PROJECT MANAGER
PHONE: 425.670.5567
EMAIL: MTHOMPSON@LYNNWOODWA.GOV
CONTACT: ERIC PETERSON, PARKS SUPERINTENDENT
PHONE: (425) 670-5595
EMAIL: EPETERSON@LYNNWOODWA.GOV

CITY OF LYNNWOOD DEVELOPMENT AND
BUSINESS SERVICES: PERMITTING
CONTACT: CHRISTOPHER WRIGHT
20816 44TH AVE W, SUITE 230
LYNWOOD, WA 98306
PHONE: (425) 670-5402 / (425) 670-5400
EMAIL: CWRIGHT@LYNNWOODWA.GOV

CITY OF LYNNWOOD PUBLIC WORKS: UTILITIES
CONTACT: JARED BOND, MANAGER
20525 50TH AVE W
LYNWOOD, WA 98036
PHONE: (425) 670-5207
EMAIL: JBOND@ LYNNWOODWA.GOV

CIVIL ENGINEER & ENVIRONMENTAL PERMITTING LEAD:

HERRERA ENVIRONMENTAL CONSULTANTS
2200 SIXTH AVENUE, SUITE 1100
SEATTLE, WA 98121
PHONE: (206) 441-9080
EMAIL: CWEBB@HERRERAINC.COM
CONTACT: CHRIS WEBB, PE

STRUCTURAL ENGINEER:

LUND OPSAHL
1215 FOURTH AVENUE, SUITE 1200
SEATTLE, WA 98161
PHONE: (206) 402-5156
EMAIL: OBOWER@LUNDOPSAHL.COM
CONTACT: OWEN BOWER, PE, SE

GEOTECHNICAL ENGINEER:

HWA GEOSCIENCES
21312 30TH DRIVE SE, SUITE 110
BOTHELL, WA 98021
PHONE: (425) 774-0106 EXT 269
EMAIL: JWESTERGREEN@HWAGEO.COM
CONTACT: JOE WESTERGREEN, PE

SURVEYOR:

1 ALLIANCE GEOMATICS
2707 COLBY AVENUE, SUITE 903
EVERETT, WA 98201
PHONE: (425) 598-2200
EMAIL: ROBERT.BRAND@1-ALLIANCE.COM
CONTACT: ROBERT BRAND, PLS

CULTURAL RESOURCES:

CULTURAL RESOURCE CONSULTANTS
PO BOX 4159
SEATTLE, WA 98194
PHONE: (206) 855-9020
EMAIL: MARGARET@CRCWA.COM
CONTACT: MARGARET BERGER

DRAWING SHEET INDEX

SHEET NO.	DRAWING NO.	SHEET TITLE
1	G1.00	COVER SHEET
2	G1.10	LEGEND AND NOTES
3	G1.20	CITY OF LYNNWOOD NOTES
4	G2.00	SURVEY
5	G2.10	EXISTING CONDITIONS
6	C1.00	TESC, SITE PREP AND DEMO PLAN
7	C1.10	TESC DETAILS
8	C1.20	TESC DETAILS
9	C1.30	TREE SURVEY AND RETENTION PLAN
10	C1.40	TREE SURVEY DATA
11	C1.50	SWPPP
12	C1.60	ADA ROUTE AND TRAFFIC CONTROL PLAN
13	C2.00	OVERALL SITE PLAN
14	C2.10	PARKING AREA PLAN
15	C2.20	TRAIL AND BOARDWALK PLAN AND PROFILE STA 0+00 TO 3+00
16	C2.30	TRAIL AND BOARDWALK PLAN AND PROFILE STA 3+00 TO 6+00
17	C2.40	TRAIL AND BOARDWALK PLAN AND PROFILE STA 6+00 TO 9+00
18	C2.50	TRAIL AND BOARDWALK PLAN AND PROFILE STA 9+00 TO 12+00
19	C2.60	TRAIL AND BOARDWALK PLAN AND PROFILE STA 12+00 TO END
20	C2.70	TRAIL AND BOARDWALK PLAN AND PROFILE OVERLOOKS
21	C2.80	PILE SCHEDULE
22	C2.90	TRAIL AND PAVING DETAILS
23	C2.91	SIGN AND CURB DETAILS
24	S1.01	ABBREVIATIONS AND SHEET INDEX
25	S1.02	STRUCTURAL GENERAL NOTES
26	S1.03	STRUCTURAL GENERAL NOTES
27	S2.00	OVERALL BOARDWALK PLAN
28	S2.01	BOARDWALK SEGMENTS
29	S2.02	BOARDWALK SEGMENTS
30	S2.03	BOARDWALK SEGMENTS
31	S3.01	STRUCTURAL CONCRETE DETAILS
32	S5.01	BOARDWALK FRAMING DETAILS
33	S5.02	FRP BOARDWALK RAILING DETAILS
34	S5.03	PRE-MANUFACTURED STEEL PEDESTRIAN BRIDGE DETAILS
35	S5.04	PRE-MANUFACTURED ALUMINUM GANGWAY & LANDING FLOAT DETAILS
36	L2.00	PLANTING PLAN OVERALL
37	L2.10	PLANTING PLAN
38	L2.20	PLANTING PLAN
39	L2.30	PLANTING PLAN
40	L2.40	PLANTING DETAILS

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB STATE OF WASHINGTON 35712 REGISTERED PROFESSIONAL ENGINEER

23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

COVER SHEET

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: G1.00
SHEET NO: 1 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\COVER_SHEET_&_LEGEND_&_NOTES.dwg | 12/8/2023 4:48 PM | Satya Dhital

ABBREVIATIONS

APPROX	APPPROXIMATE
AVE	AVENUE
AVG	AVERAGE
BLDG	BUILDING
BMP	BEST MANAGEMENT PRACTICE
CB	CATCH BASIN
CG	CLEAR AND GRUB
C/L, CL	CENTERLINE
CONC	CONCRETE
CONST	CONSTRUCT, CONSTRUCTION
CO	CLEANOUT
CP	CONTROL POINT
CSBC	CRUSHED SURFACING BASE COURSE
CSTC	CRUSHED SURFACING TOP COURSE
DIA	DIAMETER
DISP	DUCTILE IRON STORM PIPE
DR	DRIVE
DWG	DRAWING
E	EAST, EASTING
EA	EACH
EL	ELEVATION
EX	EXISTING
FT	FEET/FOOT
HOR	HORIZONTAL
HT	HEIGHT
IE	INVERT ELEVATION
IN	INCH/INCHES
L	LENGTH
LF	LINEAL FOOT/FEET
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH/NORTHING
NA	NOT APPLICABLE
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OHW	ORDINARY HIGH WATER
P	POWER
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PVI	POINT OF VERTICAL INTERSECTION
QTY	QUANTITY
RD	ROAD
REF	REFERENCE
ROW	RIGHT-OF-WAY
RT	RIGHT
S	SOUTH, SLOPE
SD	STORM DRAIN
SPEC	SPECIFICATION
SR	STATE ROUTE
ST	STREET
STA	STATION
STD	STANDARD
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
TPZ	TREE PROTECTION ZONE
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
W	WEST, WATER
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
WSEL	WATER SURFACE ELEVATION

LEGEND - EXISTING

- PARCEL LINE
- PROJECT LIMITS
- DISTURBANCE LIMITS
- OHW — ORDINARY HIGH WATER
- 100Y — 100 YR FLOOD PLAIN
- 2Y — 2 YR FLOOD PLAIN
- 336.9 — SUMMER LOW
- PARK BOUNDARY
- ASPHALT SURFACING
- MULCH PATH
- WETLAND

LEGEND - PROPOSED

- HI-VISIBILITY FENCE, PER 2/C1.10, TYP.
- WATTLES, PER 3/C1.10, TYP.
- SAWCUT
- CONSTRUCTION STAGING AREA
- TEMPORARY CONSTRUCTION ENTRANCE
- AREA TO BE CLEARED AND GRUBBED
- STORM DRAIN INLET PROTECTION
- 6' CONSTRUCTION FENCING
- ASPHALT DEMO
- MULCH TRAIL DEMO
- ITEM REMOVAL (TREE OR STRUCTURE)
- 4" ASPHALT - TRAIL
- 2" ASPHALT - TRAIL
- ASPHALT PAVEMENT
- ASPHALT OVERLAY
- BOARDWALK
- BOARDWALK WITH HANDRAIL
- PEDESTRIAN BRIDGE
- GANGWAY
- EXCAVATION LIMITS
- GRADING LIMITS
- FILL — FILL LINE
- CUT — CUT LINE
- ACCESSIBLE ROUTE

- 1 — PILE GROUP LABEL
- 1 / C-1 — DETAIL REFERENCE NUMBER / DRAWING ON WHICH DETAIL IS SHOWN

DETAIL
SCALE: NTS

- 1 / C-1 — DETAIL REFERENCE NUMBER / DRAWING FROM WHICH DETAIL WAS TAKEN

- A / C-4 — SECTION REFERENCE LETTER / DRAWING ON WHICH SECTION IS SHOWN
- A — SECTION REFERENCE LETTER WHEN SECTION IS ON SAME SHEET

SECTION/PROFILE
SCALE: NTS

- A / C-2 — SECTION/PROFILE REFERENCE LETTER / DRAWING FROM WHICH SECTION/PROFILE WAS TAKEN

"-" INDICATES THAT THE DETAIL/SECTION IS SHOWN ON THE SAME SHEET

"TYP" INDICATES THAT THE DETAIL/SECTION IS UNIFORMLY TYPICAL THROUGHOUT PROJECT EXCEPT WHERE OTHERWISE NOTED

"VAR" SPECIFIES THAT DETAIL/SECTION WAS TAKEN FROM VARIOUS DRAWINGS

NOTE AND DETAIL/SECTION REFERENCING

O:\proj\Y2021\21-07722-000\CAD\Sheet\COVER_SHEET_&_LEGEND_&_NOTES.dwg | 12/8/2023 4:48 PM | Sitiya Dhital

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB — STATE OF WASHINGTON — 35712 — REGISTERED PROFESSIONAL ENGINEER

23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED: -	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

LEGEND AND NOTES

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: G1.10
SHEET NO: 2 OF 40

STANDARD GRADING NOTES

REVISED JANUARY 2022

1. GRADING SHALL NOT RESULT IN ANY ADDITIONAL WATER RUNOFF TO ADJOINING PROPERTY. IF ADDITIONAL WATER RUNOFF DOES RESULT, THE APPLICANT WILL SUBMIT A PLAN OF CORRECTIVE ACTION FOR CITY OF LYNNWOOD (CITY) APPROVAL AND WILL COMMENCE WITH THAT ACTION IMMEDIATELY UPON NOTICE FROM THE CITY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND REPAIRING EXISTING IMPROVEMENTS, AS REQUIRED, UNTIL CONSTRUCTION IS APPROVED BY THE CITY PUBLIC WORKS DEPARTMENT.
3. THE CITY SHALL VERIFY AND APPROVE ALL BACKFILL TRENCHES AND ROADWAY SUBGRADE PRIOR TO PAVING. THE CITY WILL BE PROVIDED WITH THE DENSITY REPORT FROM A CERTIFIED "TESTING LAB" SHOWING SATISFACTORY COMPACTION PER STANDARD SPECIFICATIONS 2-03.3(14)D. ALL SUBGRADE PREPARATORY REQUIREMENTS SHALL CONFORM TO SECTION 2-06 OF THE STANDARD SPECIFICATIONS.
4. THE MAXIMUM CUT/FILL SLOPE SHALL NOT EXCEED 2 FEET HORIZONTAL TO 1 FOOT VERTICAL, UNLESS OTHERWISE APPROVED BY THE CITY. AT NO TIME SHALL THE TOE OF ANY FILL SLOPE BE NEARER TO THE PROPERTY LINE THAN 1/2 THE FILL HEIGHT WITH A MINIMUM OF 2 FEET. CUT SLOPES SHALL NOT BE NEARER TO A PROPERTY LINE THAN 1/5 THE HEIGHT OF THE CUT WITH A MINIMUM OF 2 FEET.
5. FREQUENCY OF TRENCH COMPACTION TESTING
   a) HORIZONTALLY: A MINIMUM OF TWO LOCATIONS EVERY 200 FEET OF TRENCH, OR A MINIMUM OF TWO LOCATIONS PER DAY, WHICHEVER IS MORE FREQUENT SHALL APPLY.

      ADDITIONAL TESTS MAY BE REQUIRED WHEN VARIATIONS OCCUR DUE TO THE CONTRACTOR'S OPERATIONS, WEATHER CONDITIONS, SITE CONDITIONS, ETC.

   b) VERTICAL TESTING SHALL USE THE DEEPEST PORTION OF THE TRENCH LINE TO DETERMINE MINIMUM TESTING DEPTHS AS FOLLOWS:

   - FOR TRENCHES 12-FEET AND UNDER, COMPLETE A MINIMUM OF ONE TEST AT APPROXIMATELY ONE HALF OF THE TRENCH DEPTH AND AN ADDITIONAL TEST AT OR NEAR THE SURFACE.
   - FOR TRENCHES 12- TO 16-FEET-DEEP, COMPLETE TESTS AT APPROXIMATELY 4-FOOT INTERVALS ABOVE THE PIPE, ONE TEST AT OR NEAR THE SURFACE, AND ONE TEST APPROXIMATELY HALFWAY IN BETWEEN.
   - FOR TRENCHES GREATER THAN 16-FEET-DEEP; COMPLETE TESTS AT APPROXIMATELY FOUR-FOOT INTERVALS ABOVE THE PIPE TO THE SURFACE (FOUR TESTS REQUIRED) OR AS DIRECTED BY THE CITY.

   c) STRUCTURED AREAS, SUCH AS AN EASEMENT NEAR A BUILDING, SHALL REQUIRE ADDITIONAL TESTING IN THE ZONE OF INFLUENCE FROM THE LICENSED GEOTECHNICAL CONSULTANT SUCH THAT THE COMPACTION SHALL NOT ADVERSELY AFFECT THE NEARBY OR SURROUNDING STRUCTURES.

   d) IF COMPACTION DOES NOT MEET THE MINIMUM STANDARDS REQUIRED, ADDITIONAL EXCAVATION AND TESTING AS DIRECTED BY THE CITY SHALL BE COMPLETED. THE CITY RESERVES THE RIGHT TO REQUIRE ADDITIONAL TESTING IN AREAS THAT ARE QUESTIONABLE.

   e) COMPACTION TESTING COSTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. COPIES OF ALL TESTING REPORTS SHALL BE PROVIDED TO THE CITY FOR VERIFICATION AND PROJECT RECORDS AND JURISDICTIONAL

SITE DATA

1. A GENERAL DESCRIPTION OF THE PROJECT IS INCLUDED IN THE PROJECT SPECIFICATIONS.

2. THE SITE INCLUDES THE FOLLOWING PARCELS (SNOHOMISH COUNTY ONLINE PROPERTY INFORMATION, 2023) AND ZONING (CITY OF LYNDEN ONLINE ZONING MAP, 2023):

PARCEL NO.	AREA (ACRES)	AREA (SQUARE FEET)	LOCATION	ADDRESS	ZONING
00565300000100	14.12	615100	NW1/4 SEC21 T27N R4E	5601 198TH ST SW	PUBLIC (P-1)
00565300000200	1.02	44400	NW1/4 SEC21 T27N R4E	UNKNOWN	PUBLIC (P-1)
27041600303800	0.19	8300	SW1/4 SEC16 T27N R4E	UNKNOWN	PUBLIC (P-1)
27042100200100	6.21	270500	NW1/4 SEC21 T27N R4E	UNKNOWN	PUBLIC (P-1)
27042100200300	1.83	79700	NW1/4 SEC21 T27N R4E	UNKNOWN	PUBLIC (P-1)
27042100200600	0.84	36600	NW1/4 SEC21 T27N R4E	UNKNOWN	PUBLIC (P-1)
NOT A LEGAL TAX PARCEL	0.21	9100	N/A	N/A	NEIGHBORHOOD COMMERCIAL (NC)

3. THE TOTAL SITE AREA IS 24.42 ACRES.

4. THE TOTAL IMPERVIOUS AREA UNDER PROPOSED CONDITIONS IS 44,558 SQUARE-FEET (1.02 ACRES), OR 4.33% OF THE TOTAL SITE AREA.

5. TOTAL MITIGATION PLANTING AREA FOR THIS PROJECT IS 5232 SQUARE-FEET. SEE SHEETS C1.30 AND C1.40 FOR TREE SURVEYS AND SHEETS L2.00 THROUGH L2.30 FOR PLANTING PLANS.

6. THIS PROJECT PROPOSES THE FOLLOWING GRADING VOLUMES:

CUT FILL		
CUT	31 CU YDS	
FILL	119 CU YDS	
NET	88 CU YDS	FILL

THE ABOVE GRADING VALUES ARE FOR PERMIT REVIEW ONLY - CONTRACTOR SHALL REFER TO BID FORM FOR ANTICIPATED CUT/FILL VOLUMES UNDER THE CONTRACT.

7. ALL PROPOSED ACCESSIBLE ROUTES ARE DESIGNED TO COMPLY WITH APPLICABLE CODES - AMERICANS WITH DISABILITIES ACT MAXIMUM EXTENT FEASIBLE DOCUMENTATION DOES NOT APPLY.

8. THIS PROJECT DOES NOT PROPOSE CHANGES TO THE EXISTING PARKING LOT OR DRIVEWAY EXTENTS. AN EMERGENCY VEHICLE TRACKING PLAN WAS NOT DEVELOPED.

9. THE SITE HAS 19 EXISTING PARKING STALLS, ALL OF WHICH WILL BE RETAINED IN PROPOSED CONDITIONS.

10. THE 100-YEAR FLOOD ELEVATION WAS MODELED UNDER THIS PROJECT AS 339.4 TO 339.5 FEET. SEE SHEETS C2.20 THROUGH C2.70 FOR PROPOSED TRAIL AND BOARDWALK ELEVATIONS.

CAPITAL PROJECT GENERAL NOTES

REVISED JANUARY 2022

1. ALL WORK AND MATERIALS SHALL BE ACCORDING TO THE LATEST ADDITION OF "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION" (STANDARD SPECIFICATIONS) PREPARED BY WASHINGTON STATE CHAPTER, AMERICAN PUBLIC WORKS ASSOCIATION (APWA), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT), CITY OF LYNNWOOD STANDARD PLANS AND PLAN NOTES, SPECIFICATIONS, ANY CONDITIONS OF APPROVAL AND AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL ENGINEER OF RECORD TO CORRECT ANY ERROR, OMISSIONS, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS. ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO THE CITY OF LYNNWOOD (CITY).
2. ALL CONSTRUCTION IS SUBJECT TO INSPECTION BY THE CITY. ANY COST INCURRED TO ADDRESS ITEMS THAT FAIL INSPECTION ASSOCIATED WITH THE CONTRACT DOCUMENTS ARE INCIDENTAL TO THE ASSOCIATED BID ITEMS. THE CONTRACTOR SHALL NOTIFY THE CITY OF READINESS FOR INSPECTION PRIOR TO THE COMPLETION OF ANY WORK ELEMENT. INSPECTIONS ARE LIMITED TO NON-HOLIDAY WEEKDAYS UNLESS PRIOR APPROVAL FOR WEEKEND/HOLIDAY WORK IS APPROVED.
3. BEFORE ISSUANCE OF PERMITS, CONSTRUCTION OR ANY ON-SITE ACTIVITY, A PRECONSTRUCTION MEETING IS REQUIRED BETWEEN THE CITY'S RESIDENT ENGINEER AND THE CONTRACTOR'S CONSTRUCTION REPRESENTATIVE. REQUEST A PRECONSTRUCTION MEETING BY CONTACTING THE CITY'S PUBLIC WORKS RESIDENT ENGINEER AT (425) 670-5224. SPECIALTY PRE-ACTIVITY MEETINGS MAY ALSO BE REQUIRED. SEE CONTRACT DOCUMENTS.
4. BEFORE ANY ON-SITE MOBILIZATION OR WORK MAY BEGIN, CONTRACTOR MUST HAVE AN APPROVED SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN AND AN APPROVED STORM WATER POLLUTION PREVENTION (SWPP) PLAN. SUBMITTAL OF THESE PLANS FOR APPROVAL PRIOR TO THE PRECONSTRUCTION MEETING IS REQUIRED. SEE WSDOT STANDARD SPECIFICATIONS, SECTION 8-01.3(1)A.
5. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND SHALL BE RESOLVED PRIOR TO PROCEEDING WITH AFFECTED CONSTRUCTION.
6. THE CONTRACTOR SHALL ALWAYS KEEP A PLAN SET ON SITE FOR RECORDING "AS-BUILT" INFORMATION. SEE SECTION 1-05.18 OF THE PROJECT WSDOT STANDARD SPECIFICATIONS FOR RECORD DRAWINGS REQUIREMENTS. A SURVEY SHALL BE PROVIDED AS NECESSARY TO CONFIRM ELEVATIONS, INVERTS AND GRADES FOR THE IMPROVEMENTS INCLUDING UTILITY, ROAD AND PEDESTRIAN IMPROVEMENTS INCLUDING AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBLE ROUTES. PROVIDE THE CITY WITH AN "AS-BUILT" PLAN SET AT THE COMPLETION OF CONSTRUCTION STAMPED AND SIGNED BY A LICENSED SURVEYOR AND/OR THE DESIGN ENGINEER, VERIFYING THE INFORMATION IS ACCURATE. THE "AS-BUILT" PLAN SET SHALL BE PROVIDED IN ELECTRONIC PDF FORMAT.
7. DATUM SHALL BE THE CITY'S (NAVD88) UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS. THE BENCHMARK SHALL TIE TO THE CITY'S BENCHMARK LIST.
8. APPROVAL MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS BEFORE ANY STRUCTURES, FILL OR OBSTRUCTIONS, INCLUDING FENCES, ARE LOCATED WITHIN ANY DRAINAGE EASEMENT, FLOOD PLAIN OR NATIVE GROWTH PROTECTION EASEMENT.
9. WHERE CONSTRUCTION IS CARRIED OUT IN AREAS NOT SPECIFIED ON THE PLANS AND WHICH HAVE EXISTING IMPROVEMENTS, CONTRACTOR SHALL PROVIDE A COPY OF ALL PERMITS, SHOWING APPROVAL FOR SUCH WORK PRIOR TO STARTING. APPROPRIATE MEASURES SHALL BE TAKEN TO RESTORE SUCH AREAS TO CONDITIONS EXISTING PRIOR TO CONSTRUCTION OR AS REQUIRED BY THE CITY'S DEPARTMENT OF PUBLIC WORKS.
10. OFF-SITE PREMISE STAGING OR STORAGE AREAS SHALL REQUIRE A WRITTEN RELEASE FROM THE AFFECTED PROPERTY OWNER. IN ADDITION, A RELEASE FROM THE CITY SHALL BE REQUIRED DESIGNATING THAT DAMAGE TO CITY PROPERTY IS NEGLIGIBLE OR NON-EXISTENT.
11. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF EMPLOYEES ON THE PROJECT AND SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE, AND MUNICIPAL SAFETY LAWS AND BUILDING CODES. THE CONTRACTOR SHALL ERECT AND PROPERLY MAINTAIN, AT ALL TIMES, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR PROTECTION OF WORKMEN AND THE PUBLIC; SHALL POST DANGER SIGNS WARNING AGAINST KNOWN OR UNUSUAL HAZARDS; AND SHALL DESIGNATE A RESPONSIBLE MEMBER OF THEIR ORGANIZATION ON THE CONSTRUCTION SITE WHOSE DUTY SHALL BE THE PREVENTION OF ACCIDENTS.
12. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL SIGNS AND DEVICES AS SET FORTH ON THE TRAFFIC CONTROL PLANS PROVIDED WITH THE CONTRACT DRAWINGS OR SUBMIT ALTERNATE TRAFFIC CONTROL PLANS IN ACCORDANCE WITH SECTION 1-10.2(2) OF THE WSDOT STANDARD SPECIFICATIONS. FOR FURTHER NOTES REFERENCE THE CITY STANDARD TRAFFIC CONTROL NOTES.
13. IF THE PROJECT IS TIED TO FEDERAL FUNDING REQUIRING THE STEEL BUY AMERICA ACT, ALL STEEL COMPONENTS SHALL MEET THE BUY AMERICA REQUIREMENTS. SUBMIT INFORMATION TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO MATERIAL ORDER.
14. AVOID LOCATING STRUCTURES IN THE PEDESTRIAN PATH OF TRAVEL. IF STRUCTURES ARE REQUIRED TO BE LOCATED IN THE PEDESTRIAN PATH OF TRAVEL DUE TO EXISTING CONSTRAINTS, THE STRUCTURES MUST ADHERE TO PROWAG'S SURFACE REQUIREMENTS. SURFACE OF LIDS OR GRATES MUST BE FIRM, STABLE, AND SLIP RESISTANT (PROWAG R302.7). RIM OF STRUCTURE SHALL BE FLUSH WITH SURROUNDING GRADE. LEVEL CHANGES BETWEEN SURFACES MUST NOT EXCEED ¼ INCH OR ½ INCH WITH A 1:2 BEVEL (PROWAG R302.7.2). GAPS BETWEEN SURFACES OR GRATINGS MAY NOT EXCEED ½ INCH (PROWAG R302.7.3). NO LIDS ARE ALLOWED IN CURB RAMPS.

ACRONYMS AND TERMS	DEFINITION
STANDARD SPECIFICATIONS	STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT, CURRENT EDITION)
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
CITY	CITY OF LYNNWOOD
SPCC	SPILL PREVENTION CONTROL AND COUNTERMEASURES
SWPP	STORM WATER POLLUTION PREVENTION
ADA	AMERICANS WITH DISABILITIES ACT
"AS-BUILTS"	RECORD DRAWINGS
NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988
PROWAG	PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE; IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER R. WEBB STATE OF WASHINGTON 35712 REGISTERED PROFESSIONAL ENGINEER

23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

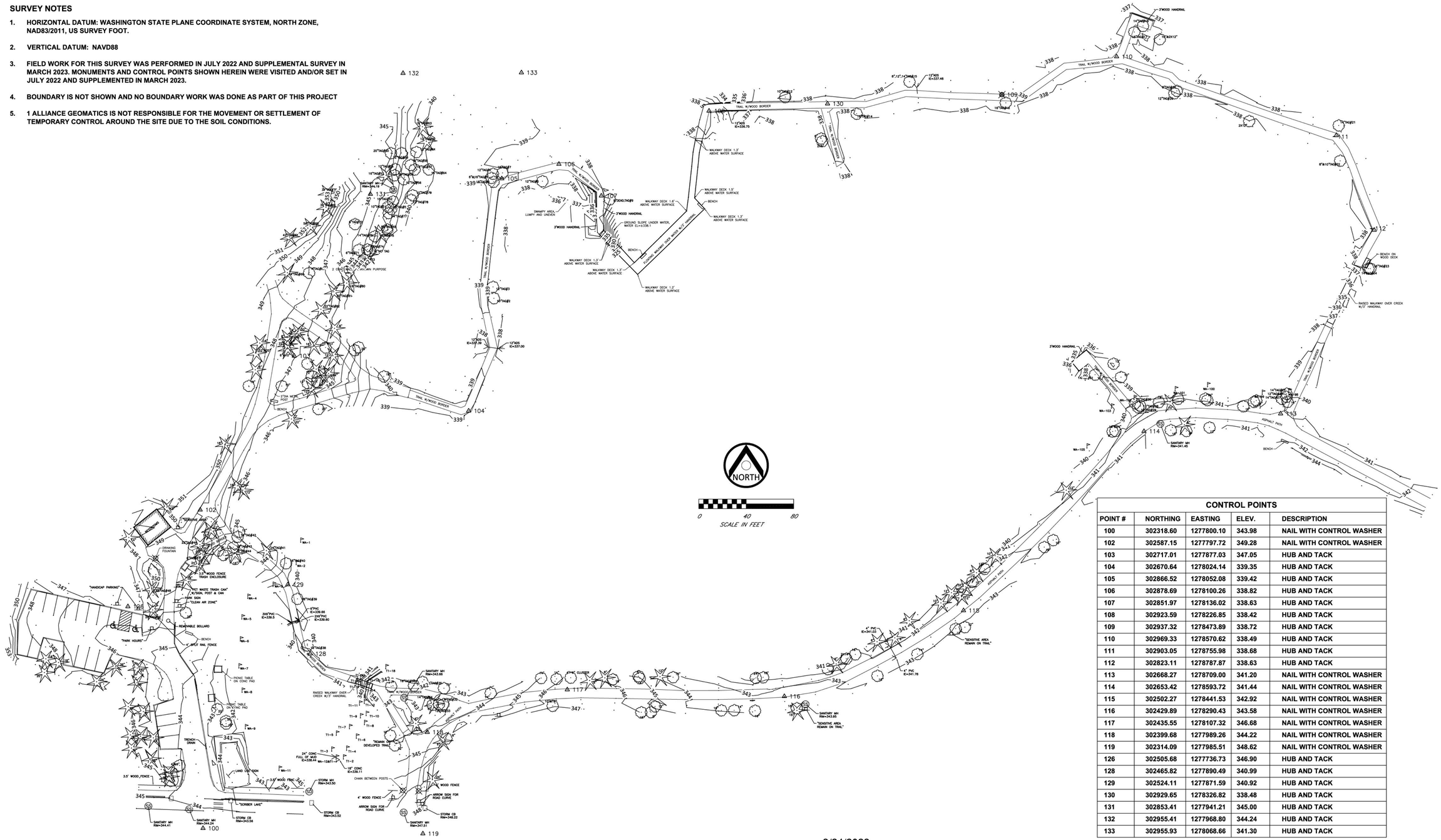
SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

CITY OF LYNNWOOD NOTES

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: G1.20
SHEET NO: 3 OF 40

SURVEY NOTES

1. HORIZONTAL DATUM: WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83/2011, US SURVEY FOOT.
2. VERTICAL DATUM: NAVD88
3. FIELD WORK FOR THIS SURVEY WAS PERFORMED IN JULY 2022 AND SUPPLEMENTAL SURVEY IN MARCH 2023. MONUMENTS AND CONTROL POINTS SHOWN HEREIN WERE VISITED AND/OR SET IN JULY 2022 AND SUPPLEMENTED IN MARCH 2023.
4. BOUNDARY IS NOT SHOWN AND NO BOUNDARY WORK WAS DONE AS PART OF THIS PROJECT
5. 1 ALLIANCE GEOMATICS IS NOT RESPONSIBLE FOR THE MOVEMENT OR SETTLEMENT OF TEMPORARY CONTROL AROUND THE SITE DUE TO THE SOIL CONDITIONS.



CONTROL POINTS				
POINT #	NORTHING	EASTING	ELEV.	DESCRIPTION
100	302318.60	1277800.10	343.98	NAIL WITH CONTROL WASHER
102	302587.15	1277797.72	349.28	NAIL WITH CONTROL WASHER
103	302717.01	1277877.03	347.05	HUB AND TACK
104	302670.64	1278024.14	339.35	HUB AND TACK
105	302866.52	1278052.08	339.42	HUB AND TACK
106	302878.69	1278100.26	338.82	HUB AND TACK
107	302851.97	1278136.02	338.63	HUB AND TACK
108	302923.59	1278226.85	338.42	HUB AND TACK
109	302937.32	1278473.89	338.72	HUB AND TACK
110	302969.33	1278570.62	338.49	HUB AND TACK
111	302903.05	1278755.98	338.68	HUB AND TACK
112	302823.11	1278787.87	338.83	HUB AND TACK
113	302668.27	1278709.00	341.20	NAIL WITH CONTROL WASHER
114	302653.42	1278593.72	341.44	NAIL WITH CONTROL WASHER
115	302502.27	1278441.53	342.92	NAIL WITH CONTROL WASHER
116	302429.89	1278290.43	343.58	NAIL WITH CONTROL WASHER
117	302435.55	1278107.32	346.68	NAIL WITH CONTROL WASHER
118	302399.68	1277989.26	344.22	NAIL WITH CONTROL WASHER
119	302314.09	1277985.51	348.62	NAIL WITH CONTROL WASHER
126	302505.68	1277736.73	346.90	HUB AND TACK
128	302465.82	1277890.49	340.99	HUB AND TACK
129	302524.11	1277871.59	340.92	HUB AND TACK
130	302929.65	1278326.82	338.48	HUB AND TACK
131	302853.41	1277941.21	345.00	HUB AND TACK
132	302955.41	1277968.80	344.24	HUB AND TACK
133	302955.93	1278068.66	341.30	HUB AND TACK

3/24/2023

100% DESIGN

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

Know what's **below.** **Call** before you dig.

1 ALLIANCE GEOMATICS
SURVEYING & MAPPING
1261A 120TH AVE NE
Bellevue, Washington 98005
Ph: (425) 598-2200
Fax: (425) 502-8067

LYNNWOOD WASHINGTON a great deal more

ROBERT L. BRAND — STATE OF WASHINGTON — 46878 — REGISTERED PROFESSIONAL LAND SURVEYOR

DESIGNED:		DRAWN:	R. BRAND
DESIGNED:	-	DRAWN:	-
DESIGNED:	-	CHECKED:	D. RUFFNER
SCALE:	1" = 50'	APPROVED:	R. BRAND

SCRIBER LAKE PARK BOARDWALK

DATE: 24 MARCH 2023
PROJECT NO: 21-07722-000
DRAWING NO:
SHEET NO: 4 OF 40

L:\HERR_21-176 Scriber Lake Boardwalk Trail\0300\CAD\BASES\21176-Control Topo Sheet.dwg | 3/24/2023 10:54 AM | Robert Brand

NOTE: THE EXISTING CONDITIONS SHOWN ON THIS PLAN AND USED FOR DESIGN IS A HYBRID OF BOTH THE PROJECT SITE SURVEY AND LIDAR SURVEY DATA. BOTH LIMITS ARE DEPICTED ON PLANS.

NOTE (GIS): WHERE INDICATED IN THE PLANS SOME INFORMATION RELATED TO THE SS WAS OBTAINED BY GIS DATA PROVIDED BY THE CITY OF LYNNWOOD.

40 0 40 80
1"=40'

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herreraInc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB STATE OF WASHINGTON 35712 REGISTERED PROFESSIONAL ENGINEER

23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED: -	DRAWN: -
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

EXISTING CONDITIONS

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: G2.10
SHEET NO: 5 OF 40

LEGEND

- DEMO AND REMOVE ASPHALT
- CLEAR AND GRUB
- REMOVE MULCH TRAIL
- TEMPORARY CONSTRUCTION ENTRANCE
- CONSTRUCTION STAGING AREA
- TREE ROOT PROTECTION
- HIGH VISIBILITY FENCE AND WATTLE
- HIGH VISIBILITY FENCE
- 6' HIGH CONSTRUCTION FENCE
- SAW CUT
- EXISTING TREE TO BE REMOVED WITHOUT STUMP REMOVAL
- EXISTING TREE TO BE REMOVED INCLUDING STUMP REMOVAL AS PER SPEC SECTION 2-01.3(4)

196TH STREET SW

INSTALL 6' HIGH CONSTRUCTION FENCING

MAINTAIN ACCESS TO THIS TRAIL FROM THE NORTH FOR WSDOT CONTRACTOR AND/OR CITY OF LYNNWOOD.

REMOVE WOOD HANDRAIL

REMOVE MULCH TRAIL, TYP.

NORTH LAGOON

REMOVE FLOATING GANGWAY SECTION AND RETURN TO CITY

REMOVE WOOD HANDRAIL

REMOVE EXISTING CULVERT

DEMO AND REMOVE WOOD HANDRAIL

1 C1.10 HIGH VISIBILITY FENCING, TYP

REMOVE EXISTING CULVERT

AREA TO BE CLEARED AND GRUBBED, TYP.

REMOVE MULCH TRAIL, TYP.

ALTERNATE A1

REMOVE EXISTING CULVERT

AREA TO BE CLEARED AND GRUBBED, TYP.

PROTECT EXISTING FLOATING DOCK ELEMENTS TO BE RE-INSTALLED

REMOVE EXISTING PEDESTRIAN BRIDGE.

REMOVE EXISTING CULVERT

SAW CUT, TYP.

REMOVE MULCH TRAIL, TYP.

DEMO AND REMOVE THIS SECTION OF ASPHALT TRAIL

SCRIBER LAKE

DEMO AND REMOVE WOOD HANDRAIL

REMOVE MULCH TRAIL, TYP.

SAW CUT, TYP.

2 C1.10 WATTLE, TYP.

1 C1.10 HIGH VISIBILITY FENCING, TYP

APPROXIMATE LIMITS OF CONSTRUCTION STAGING AREA #2. CONTRACTOR TO COORDINATE WITH PARK REPRESENTATIVE FOR EXACT LOCATION.

PROTECT EXISTING DRINKING FOUNTAIN

AREA TO BE CLEARED AND GRUBBED

REMOVE EXISTING TIMBER CURB

REMOVE TRASH ENCLOSURE

REMOVE EXISTING BOLLARD

REMOVE MULCH TRAIL, TYP.

2 C1.10 WATTLE, TYP.

INSTALL 6' HIGH CONSTRUCTION FENCING AT Y IN TRAIL. +- 100' EAST OF THIS LOCATION

1 C1.10 HIGH VISIBILITY FENCING, TYP

CONSTRUCTION STAGING AREA #1

SAW CUT, TYP.

DEMO AND REMOVE ASPHALT PARKING AREA

HIGH VISIBILITY FENCING, TYP. 1 C1.10

REMOVE EXISTING TIMBER CURB

PROTECT EXISTING PICNIC TABLE

REMOVE EXISTING TRENCH DRAIN AND PIPE

2 C1.20 TEMPORARY CONSTRUCTION ENTRANCE, SEE NOTE 6

3 C1.20 TREE ROOT PROTECTION, TYP

PROTECT CONCRETE POSTS.

6' HIGH CONSTRUCTION FENCE

GATE

198TH STREET SW

2 C1.20 TEMPORARY CONSTRUCTION ENTRANCE, SEE NOTE 6

1 C1.20 INLET PROTECTION, TYP. ALL CBS WITHIN 500' AND DOWNSLOPE OF THE CONSTRUCTION AREA MUST BE PROTECTED

N

40 0 40 80

1"=40'

CONSTRUCTION SEQUENCE

1. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF LYNNWOOD STAFF. CESCL SHALL ATTEND CONFERENCE.
2. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR.
3. INSTALL CATCH BASIN PROTECTION
4. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE TO SITE.
5. INSTALL FILTER FABRIC FENCE AND CONSTRUCTION FENCE AS SHOWN.
6. GRADE AND STABILIZE CONSTRUCTION ENTRANCE.
7. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH CITY OF LYNWOOD STANDARDS AND MANUFACTURERS RECOMMENDATIONS.
8. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY TESC MINIMUM REQUIREMENTS.
9. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS DURING THE DRY SEASON, 2 DAYS DURING THE WET SEASON.
10. SEED OR SOD ANY AREAS TO REMAIN UNCOVERED WITHIN 7 DAYS DURING THE DRY SEASON, 2 DAYS DURING THE WET SEASON.
11. CLEAN OUT STORM SYSTEM INCLUDING STRUCTURES WHEN CONSTRUCTION IS COMPLETE AND SITE HAS STABILIZED.
12. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.

O:\proj\Y2021\21-07722-000\CAD\Sheet\TESC_DEMO_SITE_PREP_DETAILS.dwg | 12/8/2023 4:52 PM | Satya Dhital

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB STATE OF WASHINGTON 35712 REGISTERED PROFESSIONAL ENGINEER

23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TESC, SITE PREP AND DEMO PLAN

DATE: DECEMBER 2023

PROJECT NO: 21-07722-000

DRAWING NO: C1.00

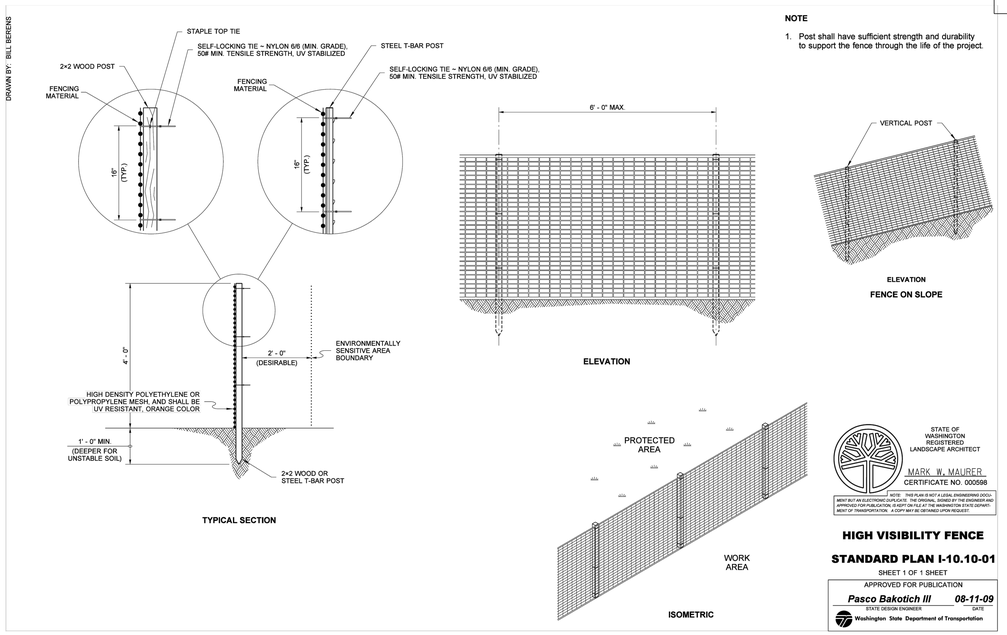
SHEET NO: 6 OF 40

TEMPORARY EROSION AND SEDIMENTATION CONTROL STANDARD NOTES

REVISED JANUARY 2022

1. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED, AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN (INCLUDING INDIVIDUAL TREES TO BE SAVED) SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED AS OUTLINED ON THE TYPICAL CONSTRUCTION SEQUENCE AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS.
6. CONSTRUCTION ACCESS TO THE SITE SHALL BE ONLY AS SHOWN ON THE APPROVED PLANS. ALL VEHICLES LEAVING THE SITE, ONTO PUBLIC RIGHTS-OF-WAY, SHALL BE CLEANED TO PREVENT "TRACKING" OF MUD, DIRT OR OTHER DEBRIS.
7. THE CONTRACTOR SHALL CLEAN ACCESS STREETS AND RIGHT-OF-WAY AT LEAST DAILY OR MORE FREQUENTLY AS MAY BE NECESSARY AND SO DIRECTED BY THE CITY OF LYNNWOOD (CITY). DO NOT CONVEY STREET DEBRIS INTO THE STORM SYSTEM.
8. CLEAN OR REMOVE AND REPLACE INLET PROTECTION DEVICES WHEN SEDIMENT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. STOCKPILES SHALL BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SECURED PLASTIC COVER, SEEDING OR MULCHING. HYDROSEEDING IS PREFERRED.
10. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 INCHES.
11. ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 2 DAYS BETWEEN OCTOBER 1ST TO MAY 31ST OR 7 DAYS BETWEEN JUNE 1ST TO SEPTEMBER 30TH. SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, NETTING, EROSION BLANKETS, ETC.).
12. VEGETATION SHALL BE ESTABLISHED ON AREAS DISTURBED OR ON AREAS OF CONSTRUCTION AS NECESSARY TO MINIMIZE EROSION. AREAS TO BE ROUGH GRADED WITH FINISHED GRADING TO FOLLOW NEAR PROJECT COMPLETION ARE TO BE SEEDED WITH ANNUAL, PERENNIAL OR HYBRID RYE GRASS. THIS ALSO INCLUDES PERIMETER DIKES AND THE SEDIMENT BASIN EMBANKMENT. HYDROSEEDING IS PREFERRED.
13. IMMEDIATELY FOLLOWING FINISH GRADING, PERMANENT VEGETATION WILL BE APPLIED AS APPROVED PER THE APPROVED PLANS, CURRENT WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARDS AND SPECIFICATIONS AND THE CITY REQUIREMENTS.
14. ADDITIONAL BEST MANAGEMENT PRACTICES (BMP) MAY BE REQUIRED AT ANY TIME DURING CONSTRUCTION.

ACRONYMS AND TERMS	DEFINITION
ESC	EROSION AND SEDIMENTATION CONTROL
CITY	CITY OF LYNNWOOD
BMP	BEST MANAGEMENT PRACTICE



NOTE

1. Post shall have sufficient strength and durability to support the fence through the life of the project.

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
MARK W. MAURER
CERTIFICATE NO. 000598

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

HIGH VISIBILITY FENCE

STANDARD PLAN I-10.10-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

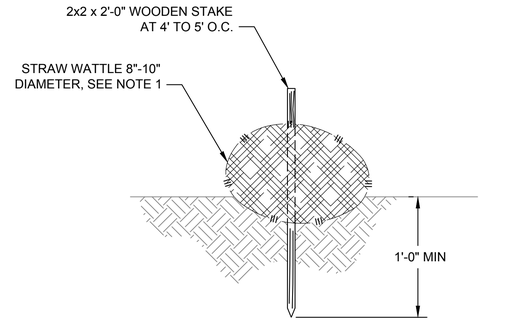
Pasco Bakotich III — STATE DESIGN ENGINEER — *08-11-09* — DATE

Washington State Department of Transportation

DETAIL - HIGH VISIBILITY FENCE

SCALE: NTS

1 / C1.00



STRAW WATTLE NOTES:

1. WATTLE SHALL BE PLACED AND SECURED IN A TRENCH 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
2. SPACING BETWEEN WATTLES DEPENDS ON SLOPE STEEPNESS, BUT TYPICAL SPACING IS 25'-50'.

DETAIL - WATTLE

SCALE: NTS

2 / C1.00

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB — STATE OF WASHINGTON — 35712 — REGISTERED PROFESSIONAL ENGINEER

23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TESC DETAILS

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C1.10
SHEET NO: 7 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\TESC_DEMO_SITE_PREP_DETAILS.dwg | 12/8/2023 4:52 PM | Satya Dhital

NOTES:

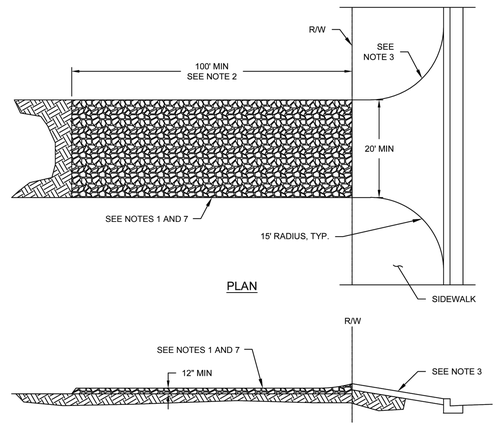
1. INSERT SHALL BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES ONE-THIRD FULL. DISPOSE OF ACCUMUALTED SEDIMENT ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.
3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, AND RE-INSERTING IT INTO THE CATCH BASIN.
4. BELOW INLET GRATE DEVICES SHALL BE PREFABRICATED UNITS SPECIFICALLY DESIGNED FOR INLET PROTECTION AND SHALL REMAIN SECURELY ATTACHED TO THE DRAINAGE STRUCTURE WHEN LOADED WITH SEDIMENT AND DEBRIS TO ONE-THIRD TOTAL CAPACITY.

LYNNWOOD WASHINGTON PUBLIC WORKS	INLET PROTECTION ES-TESC-4-Inlet-Protection.dwg	DRAWING NUMBER	ES--TESC--4
		SCALE	NONE
		REVISION DATE	06/22
		DEPARTMENT	PW

DETAIL - INLET PROTECTION

SCALE: NTS

1 / C1.00



NOTES:

1. QUARRY SPALLS 4" - 8".
2. SEE FIGURE 4.1.1 IN THE CURRENT ADOPTED STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON FOR DETAILS. THE MINIMUM 100LF OF ENTRANCE SHALL BE REDUCED TO THE MAXIMUM PRACTICABLE SIZE WHEN THE SIZE OR CONFIGURATION OF THE SITE DOES NOT ALLOW THE FULL LENGTH (100LF).
3. EXISTING DRIVEWAY RAMP OR SITE ACCESS ROAD 20' WIDE MIN. MATERIAL MUST BE EQUAL TO OR BETTER THAN SPECIFIED IN NOTE 1. MAINTAIN EXISTING PEDESTRIAN PATH OF TRAVEL. IMMEDIATELY RESTORE EXISTING PEDESTRIAN PAVEMENT OPEN TO THE PUBLIC IF DAMAGED.
4. A SEPARATION GEOTEXTILE SHALL BE PLACED UNDER THE SPALLS TO PREVENT FINE SEDIMENT FROM PUMPING UP INTO THE ROCK PAD. THE GEOTEXTILE SHALL MEET THE FOLLOWING STANDARDS.

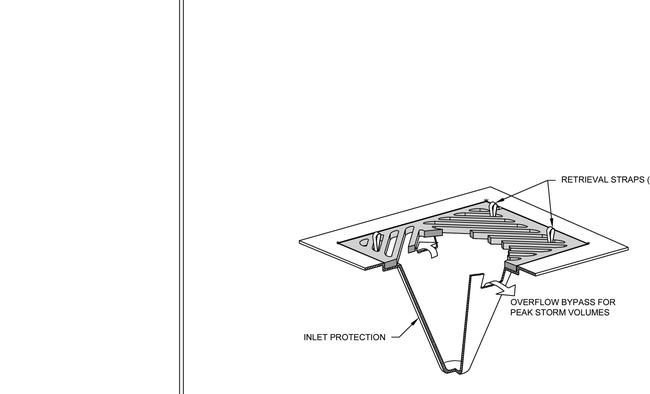
4.1. GRAB TENSILE STRENGTH (ASTM D4632) 120 LBS MIN.
4.2. GRAB TENSILE ELONGATION (ASTM D4632): 50% MIN.
4.3. AOS (ASTM D4751): 70 (U.S. STANDARD SIEVE SIZE)

5. DO NOT USE CRUSHED CONCRETE, CEMENT, OR CALCIUM CHLORIDE FOR CONSTRUCTION ENTRANCE STABILIZATION BECAUSE THESE PRODUCTS RAISE PH LEVELS IN STORMWATER. CONCRETE DISCHARGE TO SURFACE WATERS OF THE STATE IS PROHIBITED.
6. IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, THEN ALTERNATIVE MEASURES TO KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE REPLACEMENT/CLEANING OF THE EXISTING QUARRY SPALLS, STREET SWEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH.
7. WHEN LOCATED ON EXISTING ASPHALT CONSTRUCTION ENTRANCE SHALL BE A TRACKOUT CONTROL MAT.

DETAIL - TEMPORARY CONSTRUCTION ENTRANCE

SCALE: NTS

2 / C1.00



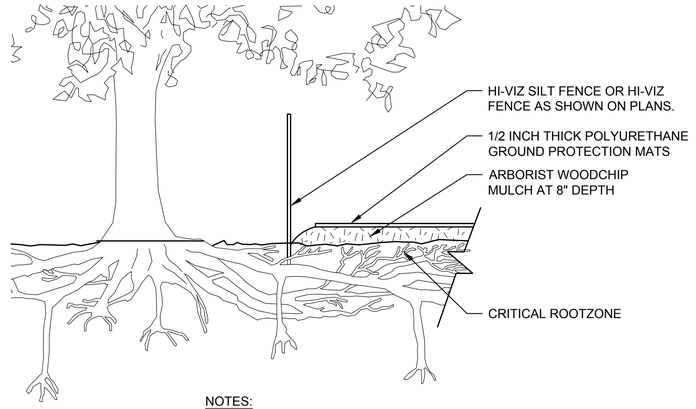
NOTES:

1. TREE BRANCHES THAT INTERFERE WITH CONSTRUCTION OR CONSTRUCTION ACCESS MAY BE TIED BACK OR PRUNED TO CLEAR ONLY TO THE POINT NECESSARY TO COMPLETE WORK.
2. TYING BACK OR TRIMMING OF ALL BRANCHES SHALL BE IN ACCORDANCE WITH ANSI A300, PART 8 AND BE PERFORMED UNDER SUPERVISION OF A CERTIFIED ARBORIST.

DETAIL - TREE BRANCH TRIMMING AT TRAILS

SCALE: NTS

4 / -



NOTES:

1. THE CONTRACTOR SHALL CONTACT THE ENGINEER TO OBSERVE AND DOCUMENT THE ROOT ZONE PROTECTION AND TREE PROTECTION FENCING WHEN THE INSTALLATION IS COMPLETE. THE ENGINEER SHALL BE NOTIFIED AT LEAST 5 WORKING DAYS PRIOR TO THE COMPLETION OF THE INSTALLATION.
2. AT THE COMPLETION OF CONSTRUCTION, THE CONTARCTOR SHALL REMOVE THE THE GROUND PRTOECTION MATS AND RAKE AND DISTRIBUTE THE ARBORIST WOODCHIP AROUND EXISTING VEGETATION AND COVER ANY EXPOSED AREAS SOIL.

DETAIL - TEMPORARY ROOT ZONE PROTECTION

SCALE: NTS

3 / C1.00

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. KERR — STATE OF WASHINGTON — 55712 — REGISTERED PROFESSIONAL ENGINEER

23-1208

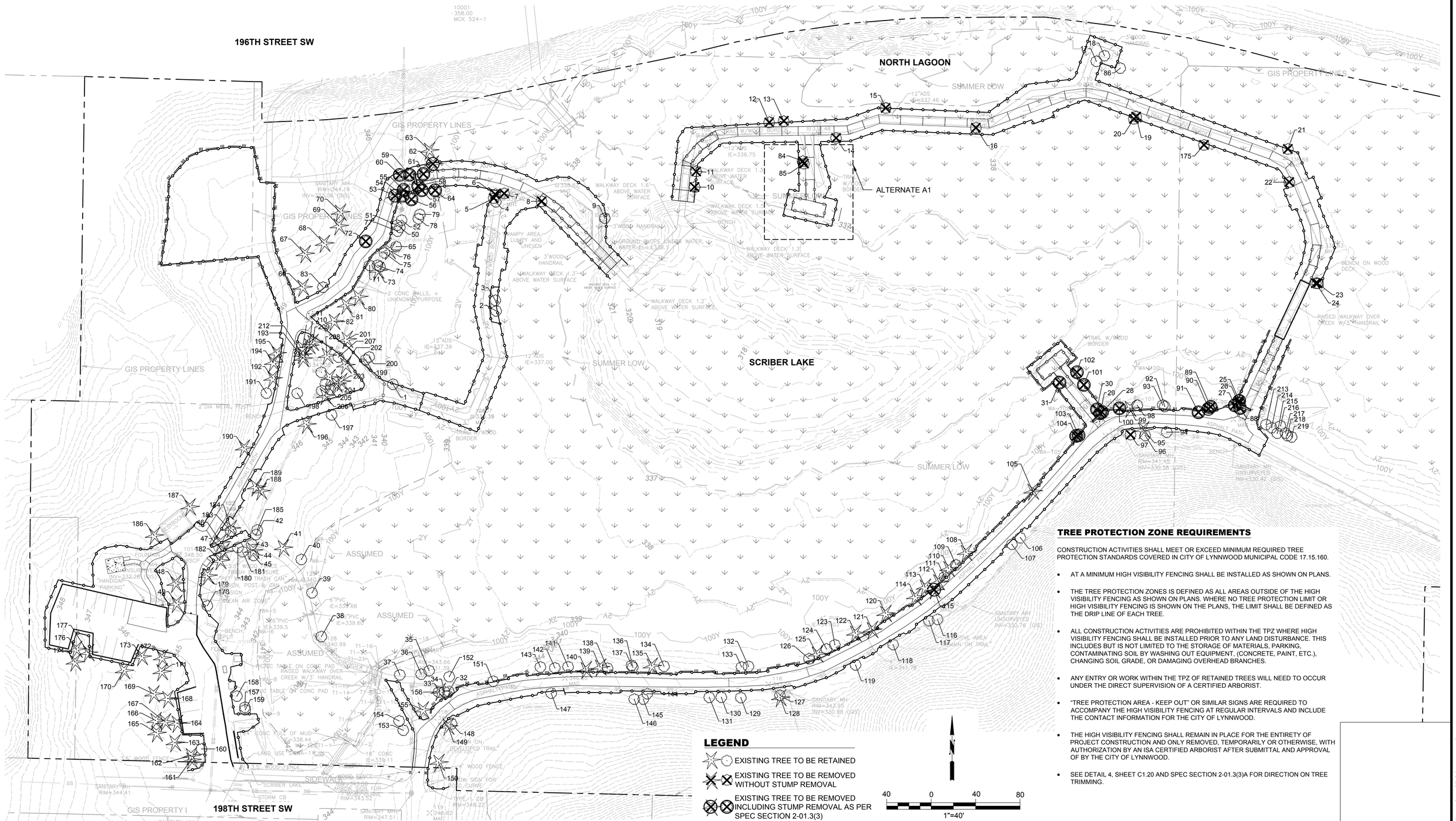
DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TESC DETAILS

DATE:	DECEMBER 2023
PROJECT NO:	21-07722-000
DRAWING NO:	C1.20
SHEET NO:	8 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\TESC_DEMO_SITE_PREP_DETAILS.dwg | 12/8/2023 4:52 PM | Satya Dhital



LEGEND

TREE PROTECTION ZONE REQUIREMENTS

CONSTRUCTION ACTIVITIES SHALL MEET OR EXCEED MINIMUM REQUIRED TREE PROTECTION STANDARDS COVERED IN CITY OF LYNNWOOD MUNICIPAL CODE 17.15.160.

- AT A MINIMUM HIGH VISIBILITY FENCING SHALL BE INSTALLED AS SHOWN ON PLANS.
- THE TREE PROTECTION ZONES IS DEFINED AS ALL AREAS OUTSIDE OF THE HIGH VISIBILITY FENCING AS SHOWN ON PLANS. WHERE NO TREE PROTECTION LIMIT OR HIGH VISIBILITY FENCING IS SHOWN ON THE PLANS, THE LIMIT SHALL BE DEFINED AS THE DRIP LINE OF EACH TREE.
- ALL CONSTRUCTION ACTIVITIES ARE PROHIBITED WITHIN THE TPZ WHERE HIGH VISIBILITY FENCING SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE. THIS INCLUDES BUT IS NOT LIMITED TO THE STORAGE OF MATERIALS, PARKING, CONTAMINATING SOIL BY WASHING OUT EQUIPMENT, (CONCRETE, PAINT, ETC.), CHANGING SOIL GRADE, OR DAMAGING OVERHEAD BRANCHES.
- ANY ENTRY OR WORK WITHIN THE TPZ OF RETAINED TREES WILL NEED TO OCCUR UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST.
- “TREE PROTECTION AREA - KEEP OUT” OR SIMILAR SIGNS ARE REQUIRED TO ACCOMPANY THE HIGH VISIBILITY FENCING AT REGULAR INTERVALS AND INCLUDE THE CONTACT INFORMATION FOR THE CITY OF LYNNWOOD.
- THE HIGH VISIBILITY FENCING SHALL REMAIN IN PLACE FOR THE ENTIRETY OF PROJECT CONSTRUCTION AND ONLY REMOVED, TEMPORARILY OR OTHERWISE, WITH AUTHORIZATION BY AN ISA CERTIFIED ARBORIST AFTER SUBMITTAL AND APPROVAL OF BY THE CITY OF LYNNWOOD.
- SEE DETAIL 4, SHEET C1.20 AND SPEC SECTION 2-01.3(3)A FOR DIRECTION ON TREE TRIMMING.

CALL 811
BEFORE
YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD
WASHINGTON
A great deal more

RANDALL TAYLOR
EXP. 04/16/2024

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED: R. TAYLOR	DRAWN: C. WITZEL
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TREE SURVEY AND RETENTION PLAN

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C1.30
SHEET NO: 9 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\TREE_SURVEY.dwg | 12/8/2023 4:54 PM | Satya Dhital

Tree ID #	Botanical Name	Common Name	DBH	Significant/ Non-Significant	Tree Condition	Retain/ Remove	Notes
1	Alnus rubra	Red Alder	7"	Non-Significant	Good	Retain	Slight lean in trunk. Many basal shoots.
2	Salix lucida	Pacific Willow	10"	Non-Significant	Fair	Retain	Significant lean, some basal shoots, limb die back.
3	Salix lucida	Pacific Willow	11"	Non-Significant	Fair	Retain	Overall healthy specimen.
4	Alnus rubra	Red Alder	18"	Non-Significant	Fair	Retain	Overall looks healthy
5	Alnus rubra	Red Alder	16"	Non-Significant	Fair	Remove	Good health.
6	Alnus rubra	Red Alder	11"	Non-Significant	Fair	Remove	Slight lean. appears healthy.
7	Alnus rubra	Red Alder	15"	Non-Significant	Fair	Remove	Slight lean. good health
8	Alnus rubra	Red Alder	12"	Non-Significant	Fair	Remove	Appears healthy. Growing In standing water.
9	Alnus rubra	Red Alder	8"	Non-Significant	Dead	Retain	Dead
10	Alnus rubra	Red Alder	4"	Non-Significant	Fair	Remove	Growing In standing water.
11	Alnus rubra	Red Alder	6"	Non-Significant	Fair	Remove	Growing In standing water. Appears healthy.
12	Salix lucida	Pacific Willow	8"	Non-Significant	Fair	remove	Growing In standing water.
13	Alnus rubra	Red Alder	8"	Non-Significant	Dead	Remove	Dead
14	Alnus rubra	Red Alder	19"	Non-Significant	Poor	Remove	Significant trunk decay and ample dieback.
15	Alnus rubra	Red Alder	15"	Non-Significant	Poor	Remove	Health is in severe decline.
16	Alnus rubra	Red Alder	16"	Non-Significant	Poor	Remove	Health is in severe decline.
17	Alnus rubra	Red Alder	12"	Non-Significant	Poor	Retain	Health is in severe decline.
18	Alnus rubra	Red Alder	13"	Non-Significant	Poor	Retain	Health is in decline.
19	Alnus rubra	Red Alder	7"	Non-Significant	Poor	Remove	Main leader broken off.
20	Alnus rubra	Red Alder	12"	Non-Significant	Poor	Remove	Slight phototropic lean. broken leader at top.
21	Alnus rubra	Red Alder	14"	Non-Significant	Dead	Remove	Dead
22	Alnus rubra	Red Alder	9"	Non-Significant	Fair	Remove	Double Leader. Junction appears to be comprehensive.
23	Alnus rubra	Red Alder	16"	Non-Significant	Fair	Remove	Heavy phototropic lean. Trunk is broken and damaged.
24	Alnus rubra	Red Alder	14"	Non-Significant	Poor	Remove	poor health w/ significant amount of branch dieback.
25	Alnus rubra	Red Alder	16"	Non-Significant	Fair	Remove	Significant phototropic lean.
26	Alnus rubra	Red Alder	11"	Non-Significant	Good	Remove	Significant phototropic lean.
27	Alnus rubra	Red Alder	14"	Non-Significant	Fair	Remove	Nothing notable
28	Alnus rubra	Red Alder	13"	Non-Significant	Good	Remove	Heavy phototropic lean. Trunk is broken and damaged.
29	Alnus rubra	Red Alder	11"	Non-Significant	Good	Remove	Nothing notable
30	Alnus rubra	Red Alder	23"	Non-Significant	Good	Remove	Significant phototropic lean.
31	Alnus rubra	Red Alder	15"	Non-Significant	Fair	Remove	Significant damage to bark.
32	Alnus rubra	Red Alder	13"	Non-Significant	Fair	Retain	Covered in ivy
33	Alnus rubra	Red Alder	11"	Non-Significant	Good	Retain	Nothing notable
34	Tsuga heterophylla	Western Hemlock	14"	Significant	Good	Retain	Double leader
36	Alnus rubra	Red Alder	36"	Non-Significant	Good	Retain	Nothing notable
37	Alnus rubra	Red Alder	18"	Non-Significant	Good	Retain	Branch dieback from top down.
38	Salix lucida	Pacific Willow	20"	Non-Significant	Fair	Retain	Nothing notable
39	Populus trichocarpa	Black Cottonwood	17"	Non-Significant	Good	Retain	Nothing notable
40	Alnus rubra	Red Alder	19"	Non-Significant	Fair	Retain	Nothing notable
41	Pseudotsuga menziesii	Douglas Fir	21"	Significant	Good	Retain	Nothing notable
42	Alnus rubra	Red Alder	13"	Non-Significant	Good	Retain	Nothing notable
43	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Nothing notable
44	Tsuga heterophylla	Western Hemlock	9"	Significant	Fair	Retain	Thin canopy with some dieback
45	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Significant phototropic lean.
46	Pseudotsuga menziesii	Douglas Fir	21"	Significant	Good	Retain	Nothing to note.
47	Pseudotsuga menziesii	Douglas Fir	21"	Significant	Good	Retain	Nothing to note.
48	Pseudotsuga menziesii	Douglas Fir	45"	Significant	Excellent	Retain	Twin leaders
49	Pseudotsuga menziesii	Douglas Fir	21"	Significant	Excellent	Retain	Nothing notable
50	Alnus rubra	Red Alder	7"	Non-Significant	Good	Retain	Healthy
51	Pseudotsuga menziesii	Douglas Fir	10"	Significant	Fair	Retain	Notable dieback in lower branches
52	Alnus rubra	Red Alder	15"	Non-Significant	Poor	Retain	In severe decline, possibly dead.
52	Alnus rubra	Red Alder	13"	Non-Significant	Poor	Retain	In severe decline, significant dieback
53	Pseudotsuga menziesii	Douglas Fir	17"	Significant	Fair	Remove	Appears thin and stressed.
54	Alnus rubra	Red Alder	15"	Non-Significant	Poor	Remove	Notable dieback, phototropic lean, and ivy.
55	Alnus rubra	Red Alder	15"	Non-Significant	Fair	Remove	Nothing notable
56	Alnus rubra	Red Alder	12"	Non-Significant	Poor	Remove	Notable dieback, phototropic lean, and ivy.
57	Prunus emarginata	Bitter Cherry	8"	Significant	Fair	Remove	phototropic lean.
58	Prunus emarginata	Bitter Cherry	11"	Significant	Good	Remove	Nothing notable
59	Alnus rubra	Red Alder	13"	Non-Significant	Fair	Remove	Nothing notable
60	Alnus rubra	Red Alder	20"	Non-Significant	Poor	Remove	Broken leader, lots of dieback, dead or dying.
61	Prunus emarginata	Bitter Cherry	8"	Significant	Fair	Remove	Significant amount historic bark damage
62	Pseudotsuga menziesii	Douglas Fir	8"	Significant	Good	Remove	appears healthy
63	Alnus rubra	Red Alder	12"	Non-Significant	Fair	Retain	Nothing notable
64	Alnus rubra	Red Alder	14"	Non-Significant	Fair	Remove	Heavy lean
65	Populus trichocarpa	Black Cottonwood	53"	Non-Significant	Good	Retain	Nothing notable
66	Pseudotsuga menziesii	Douglas Fir	14"	Significant	Good	Retain	Nothing notable
67	Pseudotsuga menziesii	Douglas Fir	38"	Significant	Good	Retain	Nothing notable
68	Pseudotsuga menziesii	Douglas Fir	49"	Significant	Excellent	Retain	Nothing notable
69	Pseudotsuga menziesii	Douglas Fir	34"	Significant	Excellent	Retain	Nothing notable
70	Pseudotsuga menziesii	Douglas Fir	49"	Significant	Excellent	Retain	Nothing notable
71	Pseudotsuga menziesii	Douglas Fir	7"	Significant	Good	Retain	Nothing notable
72	Prunus emarginata	Bitter Cherry	6"	Significant	Poor	Remove	Dying or dead.
73	Pseudotsuga menziesii	Douglas Fir	18"	Significant	Good	Retain	Nothing notable
74	Pseudotsuga menziesii	Douglas Fir	6"	Significant	Good	Retain	Nothing notable
75	Alnus rubra	Red Alder	13"	Non-Significant	Good	Retain	Nothing notable
76	Pseudotsuga menziesii	Douglas Fir	8"	Significant	Good	Retain	Nothing notable
77	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Nothing notable
78	Alnus rubra	Red Alder	11"	Non-Significant	Good	Retain	Nothing notable
79	Prunus emarginata	Bitter Cherry	10"	Significant	Good	Retain	Nothing notable
80	Pseudotsuga menziesii	Douglas Fir	14"	Significant	Good	Retain	Nothing notable
81	Pseudotsuga menziesii	Douglas Fir	28"	Significant	Good	Retain	Nothing notable
82	Pseudotsuga menziesii	Douglas Fir	21"	Significant	Good	Retain	Nothing notable
83	Prunus sp.	Cherry	9"	Significant	Good	Retain	Nothing notable
84	Salix lucida	Pacific Willow	6"	Non-Significant	Fair	Remove (1)	Nothing notable
85	Salix lucida	Pacific Willow	6"	Non-Significant	Fair	Remove (1)	Nothing notable
86	Alnus rubra	Red Alder	12"	Non-Significant	Poor	Retain	Significant limb dieback and broken leader

(1) = TO BE REMOVED UNDER ALTERNATE A1

Tree ID #	Botanical Name	Common Name	DBH	Significant/ Non-Significant	Tree Condition	Retain/ Remove	Notes
87	Alnus rubra	Red Alder	12"	Non-Significant	Poor	Retain	Dieback, broken trunk
88	Alnus rubra	Red Alder	14"	Non-Significant	Dead	Remove	Dead
89	Alnus rubra	Red Alder	14"	Non-Significant	Good	Remove	Nothing notable
90	Alnus rubra	Red Alder	14"	Non-Significant	Good	Remove	Nothing notable
91	Alnus rubra	Red Alder	12"	Non-Significant	Good	Remove	Nothing notable
92	Alnus rubra	Red Alder	14"	Non-Significant	Fair	Retain	Nothing notable
93	Alnus rubra	Red Alder	16"	Non-Significant	Fair	Retain	Nothing notable
94	Alnus rubra	Red Alder	12"	Non-Significant	Fair	Retain	Nothing notable
95	Thuja plicata	Western Red Ced	6"	Significant	Good	Retain	Nothing notable
96	Alnus rubra	Red Alder	8"	Non-Significant	Fair	Retain	Nothing notable
97	Alnus rubra	Red Alder	10"	Non-Significant	Fair	Remove	Nothing notable
98	Alnus rubra	Red Alder	14"	Non-Significant	Good	Retain	Nothing notable
99	Thuja plicata	Western Red Ced	10"	Significant	Fair	Retain	Nothing notable
100	Alnus rubra	Red Alder	16"	Non-Significant	Fair	Remove	Nothing notable
101	Alnus rubra	Red Alder	10"	Non-Significant	Fair	Remove	Nothing notable
102	Alnus rubra	Red Alder	10"	Non-Significant	Fair	Remove	Significant phototropic lean.
103	Alnus rubra	Red Alder	24"	Non-Significant	Good	Remove	Nothing notable
104	Alnus rubra	Red Alder	8"	Non-Significant	Good	Remove	Nothing notable
105	Thuja plicata	Western Red Ced	12"	Significant	Good	Retain	Nothing notable
106	Alnus rubra	Red Alder	10"	Non-Significant	Good	Retain	Nothing notable
107	Alnus rubra	Red Alder	10"	Non-Significant	Good	Retain	Nothing notable
108	Tsuga heterophylla	Western Hemlock	10"	Significant	Good	Retain	Nothing notable
109	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Nothing notable
110	Tsuga heterophylla	Western Hemlock	8"	Significant	Good	Retain	Nothing notable
111	Alnus rubra	Red Alder	10"	Non-Significant	Good	Retain	Nothing notable
112	Thuja plicata	Western Red Ced	32"	Significant	Good	Retain	Nothing notable
113	Tsuga heterophylla	Western Hemlock	12"	Significant	Good	Retain	Nothing notable
114	Tsuga heterophylla	Western Hemlock	10"	Significant	Good	Retain	Nothing notable
115	Tsuga heterophylla	Western Hemlock	12"	Significant	Good	Remove	Nothing notable
116	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Nothing notable
117	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Nothing notable
118	Alnus rubra	Red Alder	14"	Non-Significant	Good	Retain	Nothing notable
119	Alnus rubra	Red Alder	10"	Non-Significant	Good	Retain	Nothing notable
120	Thuja plicata	Western Red Ced	6"	Significant	Good	Retain	Nothing notable
121	Tsuga heterophylla	Western Hemlock	6"	Significant	Good	Retain	Nothing notable
122	Tsuga heterophylla	Western Hemlock	6"	Significant	Good	Retain	Nothing notable
123	Alnus rubra	Red Alder	16"	Non-Significant	Good	Retain	Nothing notable
124	Alnus rubra	Red Alder	14"	Non-Significant	Good	Retain	Nothing notable
125	Thuja plicata	Western Red Ced	6"	Significant	Poor	Retain	Thin branching, appears stressed.
126	Alnus rubra	Red Alder	14"	Non-Significant	Good	Retain	Nothing notable
127	Alnus rubra	Red Alder	16"	Non-Significant	Fair	Retain	Competing with Cedar directly next to it.
128	Thuja plicata	Western Red Ced	6"	Significant	Fair	Retain	Nothing notable
129	Alnus rubra	Red Alder	16"	Non-Significant	Fair	Retain	Nothing notable
130	Alnus rubra	Red Alder	14"	Non-Significant	Fair	Retain	Nothing notable
131	Alnus rubra	Red Alder	16"	Non-Significant	Fair	Retain	Nothing notable
132	Alnus rubra	Red Alder	18"	Non-Significant	Fair	Retain	Nothing notable
133	Alnus rubra	Red Alder	24"	Non-Significant	Fair	Retain	Nothing notable
134	Alnus rubra	Red Alder	24"	Non-Significant	Fair	Retain	Nothing notable
135	Tsuga heterophylla	Western Hemlock	12"	Significant	Good	Retain	Nothing notable
136	Alnus rubra	Red Alder	24"	Non-Significant	Fair	Retain	Nothing notable
137	Alnus rubra	Red Alder	24"	Non-Significant	Fair	Retain	Nothing notable
138	Alnus rubra	Red Alder	24"	Non-Significant	Fair	Retain	Nothing notable
139	Tsuga heterophylla	Western Hemlock	8"	Significant	Good	Retain	Nothing notable
140	Thuja plicata	Western Red Ced	8"	Significant	Good	Retain	Nothing notable
141	Alnus rubra	Red Alder	6"	Non-Significant	Poor	Retain	Double leader
142	Alnus rubra	Red Alder	14"	Non-Significant	Fair	Retain	Nothing notable
143	Alnus rubra	Red Alder	14"	Non-Significant	Fair	Retain	Nothing notable
144	Alnus rubra	Red Alder	12"	Non-Significant	Fair	Retain	Heavy phototropic lean, thin canopy.
145	Alnus rubra	Red Alder	8"	Non-Significant	Good	Retain	Thin branching,
146	Alnus rubra	Red Alder	16"	Non-Significant	Good	Retain	Thin branching,
147	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Nothing notable
148	Alnus rubra	Red Alder	8"	Non-Significant	Fair	Retain	Nothing notable
149	Pseudotsuga menziesii	Douglas Fir	6'	Significant	Good	Retain	Nothing notable
150	Pseudotsuga menziesii	Douglas Fir	24"	Significant	Good	Retain	Nothing notable
151	Alnus rubra	Red Alder	14"	Non-Significant	Fair	Retain	Double leader with second leader severed
152	Alnus rubra	Red Alder	10"	Non-Significant	Poor	Retain	Nothing notable
153	Alnus rubra	Red Alder	12"	Non-Significant	Fair	Retain	Heavy ivy growth
154	Alnus rubra	Red Alder	32"	Non-Significant	Good	Retain	Nothing notable
155	Thuja plicata	Western Red Ced	6"	Significant	Good	Retain	Nothing notable
156	Alnus rubra	Red Alder	8"	Non-Significant	Good	Retain	Nothing notable
157	Alnus rubra	Red Alder	20"	Non-Significant	Good	Retain	Nothing notable
158	Alnus rubra	Red Alder	22"	Non-Significant	Good	Retain	Nothing notable
159	Alnus rubra	Red Alder	18"	Non-Significant	Good	Retain	Nothing notable
160	Arbutus menziesii	Pacific Madrone	6"	Significant	Good	Retain	Nothing notable
161	Pseudotsuga menziesii	Douglas Fir	30"	Significant	Excellent	Retain	Heavy lean.
162	Pseudotsuga menziesii	Douglas Fir	12"	Significant	Excellent	Retain	Nothing notable
163	Pseudotsuga menziesii	Douglas Fir	36"	Significant	Good	Retain	Nothing notable
164	Pinus monticola	Western White P	22"	Significant	Excellent	Retain	Nothing notable
165	Pseudotsuga menziesii	Douglas Fir	34"	Significant	Excellent	Retain	Nothing notable
166	Pseudotsuga menziesii	Douglas Fir	14"	Significant	Good	Retain	Nothing notable
167	Pseudotsuga menziesii	Douglas Fir	22"	Significant	Excellent	Retain	Nothing notable
168	Pseudotsuga menziesii	Douglas Fir	30"	Significant	Excellent	Retain	Nothing notable
169	Pseudotsuga menziesii	Douglas Fir	28"	Significant	Good	Retain	Nothing notable
170	Pseudotsuga menziesii	Douglas Fir	24"	Significant	Good	Retain	Nothing notable
171	Pseudotsuga menziesii	Douglas Fir	28"	Significant	Excellent	Retain	Nothing notable
172	Pseudotsuga menziesii	Douglas Fir	32"	Significant	Good	Retain	Nothing notable

Tree ID #	Botanical Name	Common Name	DBH	Significant/ Non-Significant	Tree Condition	Retain/ Remove	Notes
173	Pseudotsuga menziesii	Douglas Fir	36"	Significant	Good	Retain	Nothing notable
174	Pseudotsuga menziesii	Douglas Fir	20"	Significant	Excellent	Retain	Nothing notable
175	Salix lucida	Pacific Willow	8"	Non-Significant	Fair	Retain	Growing In standing water.
176	Pseudotsuga menziesii	Douglas Fir	18"	Significant	Good	Retain	Nothing notable
177	Pseudotsuga menziesii	Douglas Fir	18"	Significant	Good	Retain	Nothing notable
178	Alnus rubra	Red Alder	20"	Non-Significant	Good	Retain	Nothing notable
179	Pseudotsuga menziesii	Douglas Fir	8"	Significant	Fair	Retain	Thin canopy.
180	Alnus rubra	Red Alder	8"	Non-Significant	Good	Retain	Nothing notable
181	Alnus rubra	Red Alder	8"	Non-Significant	Good	Retain	Nothing notable
182	Pseudotsuga menziesii	Douglas Fir	24"	Significant	Good	Retain	Nothing notable
183	Alnus rubra	Red Alder	14"	Non-Significant	Good	Retain	Nothing notable
184	Pseudotsuga menziesii	Douglas Fir	12"	Significant	Good	Retain	Nothing notable
185	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Nothing notable
186	Pseudotsuga menziesii	Douglas Fir	14"	Significant	Good	Retain	Nothing notable
187	Pseudotsuga menziesii	Douglas Fir	14"	Significant	Good	Retain	Nothing notable
188	Pseudotsuga menziesii	Douglas Fir	12"	Significant	Fair	Retain	Some dieback, appears stressed
189	Pseudotsuga menziesii	Douglas Fir	16"	Significant	Good	Retain	Nothing notable
190	Pseudotsuga menziesii	Douglas Fir	18"	Significant	Good	Retain	Nothing notable
191	Alnus rubra	Red Alder	10"	Non-Significant	Good	Retain	Nothing notable
192	Pseudotsuga menziesii	Douglas Fir	8"	Significant	Good	Retain	Nothing notable
193	Pseudotsuga menziesii	Douglas Fir	10"	Significant	Good	Retain	Nothing notable
194	Pseudotsuga menziesii	Douglas Fir	14"	Significant	Good	Retain	Nothing notable
195	Pseudotsuga menziesii	Douglas Fir	20"	Significant	Good	Retain	Nothing notable
196	Pseudotsuga menziesii	Douglas Fir	22"	Significant	Good	Retain	Nothing notable
197	Alnus rubra	Red Alder	20"	Non-Significant	Fair	Retain	Double leader with thin branching
198	Alnus rubra	Red Alder	20"	Non-Significant	Good	Retain	Nothing notable
199	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Nothing notable
200	Alnus rubra	Red Alder	20"	Non-Significant	Good	Retain	Nothing notable
201	Pseudotsuga menziesii	Douglas Fir	22"	Significant	Good	Retain	Nothing notable
202	Pseudotsuga menziesii	Douglas Fir	12"	Significant	Fair	Retain	Double leader
203	Pseudotsuga menziesii	Douglas Fir	14"	Significant	Good	Retain	Nothing notable
204	Pseudotsuga menziesii	Douglas Fir	8"	Significant	Good	Retain	Nothing notable
205	Alnus rubra	Red Alder	10"	Non-Significant	Good	Retain	Nothing notable
206	Pseudotsuga menziesii	Douglas Fir	12"	Significant	Good	Retain	Nothing notable
207	Alnus rubra	Red Alder	12"	Non-Significant	Good	Retain	Nothing notable
208	Pseudotsuga menziesii	Douglas Fir	16"	Significant	Good	Retain	Nothing notable
209	Pseudotsuga menziesii	Douglas Fir	20"	Significant	Good	Retain	Nothing notable
210	Pseudotsuga menziesii	Douglas Fir	6"	Significant	Good	Retain	Nothing notable
211	Pseudotsuga menziesii	Douglas Fir	8"	Significant	Good	Retain	Nothing notable
212	Pseudotsuga menziesii	Douglas Fir	22"	Significant	Good	Retain	Nothing notable
213	Alnus rubra	Red Alder	20"	Significant	Good	Retain	Nothing notable
214	Alnus rubra	Red Alder	18"	Significant	Good	Retain	Nothing notable
215	Alnus rubra	Red Alder	16"	Significant	Good	Retain	Nothing notable
216	Alnus rubra	Red Alder	18"	Significant	Good	Retain	Nothing notable
217	Alnus rubra	Red Alder	16"	Significant	Good	Retain	Nothing notable
218	Alnus rubra	Red Alder	18"	Significant	Good	Retain	Nothing notable
219	Alnus rubra	Red Alder	18"	Significant	Good	Retain	Nothing notable

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON a great deal more

STATE OF WASHINGTON RANDALL TAYLOR 21911 REGISTERED EXP. 06/16/2024 LICENSED LANDSCAPE ARCHITECT

DESIGNED: C. WEBB	DRAWN: C WITZEL		
DESIGNED: R. TAYLOR	DRAWN: C. WITZEL		
DESIGNED: -	CHECKED: -		
SCALE: AS NOTED	APPROVED: -		

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TREE SURVEY DATA

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C1.40
SHEET NO: 10 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\TREE_SURVEY.dwg | 12/8/2023 4:55 PM | Satya Dhital

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NOTES IN COMPLIANCE WITH CITY OF LYNNWOOD MUNICIPAL CODE SECTION 13.40

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

ELEMENT REQUIREMENTS	BEST MANAGEMENT PRACTICES - (BMPs)
ELEMENT #1 "PRESERVE VEGETATION AND MARK CLEARING LIMITS"	PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRADING, ALL CLEARING LIMITS, SENSITIVE AREAS AND THEIR BUFFERS, AND TREES THAT ARE TO BE PRESERVED WITHIN THE CONSTRUCTION AREA SHOULD BE CLEARLY MARKED, BOTH IN THE FIELD AND ON THE PLANS, TO PREVENT DAMAGE AND OFF-SITE IMPACTS. PLASTIC, METAL, OR STAKE WIRE FENCE MAY BE USED TO MARK THE CLEARING LIMITS. RETAIN THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE TO THE MAXIMUM DEGREE PRACTICABLE.
ELEMENT #2 "ESTABLISH CONSTRUCTION ACCESS"	(A) EQUIPMENT SHALL OPERATE FROM THE PAVED ROADWAY AS MUCH AS POSSIBLE TO MINIMIZE TRACKOUT. (B) PUBLIC ROADS SHALL AT A MINIMUM BE CLEANED THOROUGHLY AT THE END OF EACH DAY OF EARTHWORK ACTIVITY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR PICKUP SWEEPING AND SHALL BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING WILL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. (C) STREET WASH WASTEWATER SHALL BE MANAGED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL STANDARDS, AND PREVENTED FROM DISCHARGING INTO SYSTEMS TRIBUTARY TO STATE SURFACE WATERS. CONSTRUCTION STAGING AREAS LOCATED OUTSIDE OF THE PAVED ROADWAY SHALL BE STABILIZED TO ENSURE SEDIMENT DOES NOT LEAVE THE SITE.
ELEMENT #3 "CONTROL FLOW RATES"	(A) PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM THE PROJECT SITE. PROPERTIES SUBJECT TO MINIMUM REQUIREMENT NO. 5 AND/OR NO. 7 SHALL IMPLEMENT CONTROLS AS EARLY IN THE DEVELOPMENT AS IS PRACTICABLE TO MITIGATE FOR FLOW RATES. (B) DOWNSTREAM ANALYSIS IS NECESSARY IF CHANGES IN FLOWS COULD IMPAIR OR ALTER CONVEYANCE SYSTEMS, STREAM BANKS, BED SEDIMENT, OR AQUATIC HABITAT. SEE THE ECOLOGY MANUAL FOR OFF-SITE ANALYSIS GUIDANCE. (C) WHERE NECESSARY TO COMPLY WITH MINIMUM REQUIREMENT NO. 7, STORMWATER RETENTION/DETENTION FACILITIES SHALL BE CONSTRUCTED AS ONE OF THE FIRST STEPS IN GRADING. DETENTION FACILITIES SHALL BE FUNCTIONAL PRIOR TO CONSTRUCTION OF SITE IMPROVEMENTS (E.G., IMPERVIOUS SURFACES). (D) IF PERMANENT INFILTRATION PONDS ARE USED FOR FLOW CONTROL DURING CONSTRUCTION, THESE FACILITIES SHOULD BE PROTECTED FROM SILTATION DURING THE CONSTRUCTION PHASE.

ELEMENT REQUIREMENTS	BEST MANAGEMENT PRACTICES - (BMPs)
ELEMENT #4 "INSTALL SEDIMENT CONTROLS"	(A) THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION SHALL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. (B) PRIOR TO LEAVING A CONSTRUCTION SITE, OR PRIOR TO DISCHARGE TO AN INFILTRATION FACILITY, STORMWATER RUNOFF FROM DISTURBED AREAS SHALL PASS THROUGH A SEDIMENT POND OR OTHER APPROPRIATE SEDIMENT REMOVAL BMP. RUNOFF FROM FULLY STABILIZED AREAS MAY BE DISCHARGED WITHOUT A SEDIMENT REMOVAL BMP, BUT MUST MEET THE FLOW CONTROL PERFORMANCE STANDARD OF SUBSECTION (F)(2)(E)(III)(A) OF THIS SECTION (ELEMENT 3). FULL STABILIZATION MEANS CONCRETE OR ASPHALT PAVING; QUARRY SPALLS USED AS DITCH LINING; OR THE USE OF ROLLED EROSION PRODUCTS, A BONDED FIBER MATRIX PRODUCT, OR VEGETATIVE COVER IN A MANNER THAT WILL FULLY PREVENT SOIL EROSION. SEDIMENT PONDS, VEGETATED BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, AND OTHER BMPS INTENDED TO TRAP SEDIMENT ON SITE SHALL BE CONSTRUCTED AS ONE OF THE FIRST STEPS IN GRADING. THESE BMPS SHALL BE FUNCTIONAL BEFORE OTHER LAND-DISTURBING ACTIVITIES TAKE PLACE. (C) EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS SHALL BE SEEDED AND MULCHED ACCORDING TO THE TIMING INDICATED IN ELEMENT 5 BELOW.
ELEMENT #5 "STABILIZE SOILS"	(A) ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY APPLICATION OF EFFECTIVE BMPS THAT PROTECT THE SOIL FROM THE EROSIVE FORCES OF RAINDROP IMPACT AND FLOWING WATER, AND WIND EROSION. (B) FROM OCTOBER 1ST THROUGH APRIL 30TH OF EACH YEAR, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN TWO DAYS. FROM MAY 1ST TO SEPTEMBER 30TH OF EACH YEAR, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN SEVEN DAYS. THIS CONDITION APPLIES TO ALL SOILS ON SITE, WHETHER AT FINAL GRADE OR NOT. (C) APPLICABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO, TEMPORARY AND PERMANENT SEEDING, SODDING, MULCHING, PLASTIC COVERING, SOIL APPLICATION OF POLYACRYLAMIDE (PAM), EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED, AND DUST CONTROL. (D) SOIL STABILIZATION MEASURES SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, ESTIMATED DURATION OF USE, AND POTENTIAL WATER QUALITY IMPACTS THAT STABILIZATION AGENTS MAY HAVE ON DOWNSTREAM WATERS OR GROUND WATER. (E) SOIL STOCKPILES MUST BE STABILIZED AND PROTECTED WITH SEDIMENT TRAPPING MEASURES. (F) WORK ON LINEAR CONSTRUCTION SITES AND ACTIVITIES, INCLUDING RIGHT-OF-WAY AND EASEMENT CLEARING, ROADWAY DEVELOPMENT, PIPELINES, AND TRENCHING FOR UTILITIES, SHALL NOT EXCEED THE CAPABILITY OF THE INDIVIDUAL CONTRACTOR FOR HIS PORTION OF THE PROJECT TO INSTALL THE BEDDING MATERIALS, ROADBEDS, STRUCTURES, PIPELINES, AND/OR UTILITIES, AND TO RESTABILIZE THE DISTURBED SOILS, MEETING THE TIMING CONDITIONS LISTED ABOVE. (G) IN ADDITION, AT THE DISCRETION OF THE PROJECT ENGINEER, THOSE SITES UNABLE TO MAINTAIN THE QUALITY OF THEIR STORMWATER DISCHARGE MAY BE REQUIRED TO PROVIDE SOIL STABILIZATION TO ALL EXPOSED SOIL AREAS REGARDLESS OF THE WORKING STATUS OF THE AREA. UPON WRITTEN NOTIFICATION, THE CONTRACTOR SHALL PROVIDE FULL STABILIZATION OF ALL EXPOSED SOIL AREAS WITHIN 24 HOURS.
ELEMENT #6 "PROTECT SLOPES"	(A) CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. (B) CONSIDER SOIL TYPE AND ITS POTENTIAL FOR EROSION. (C) REDUCE SLOPE RUNOFF VELOCITIES BY REDUCING THE CONTINUOUS LENGTH OF SLOPE WITH TERRACING AND DIVERSIONS, REDUCE SLOPE STEEPNESS, AND ROUGHEN SLOPE SURFACE. (D) DIVERT UPSLOPE DRAINAGE AND RUN-ON WATERS FROM OFF SITE WITH INTERCEPTORS AT TOP OF SLOPE. OFF-SITE STORMWATER SHOULD BE HANDLED SEPARATELY FROM STORMWATER GENERATED ON THE SITE. DIVERSION OF OFF-SITE STORMWATER AROUND THE SITE MAY BE A VIABLE OPTION. DIVERTED FLOWS SHALL BE REDIRECTED TO THE NATURAL DRAINAGE LOCATION AT OR BEFORE THE PROPERTY BOUNDARY. (E) CONTAIN DOWN SLOPE COLLECTED FLOWS IN PIPES, SLOPE DRAINS, OR PROTECTED CHANNELS. (F) PROVIDE DRAINAGE TO REMOVE GROUND WATER INTERSECTING THE SLOPE SURFACE OF EXPOSED SOIL AREAS. (G) EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES, CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS. (H) CHECK DAMS SHALL BE PLACED AT REGULAR INTERVALS WITHIN TRENCHES THAT ARE CUT DOWN A SLOPE. (I) STABILIZE SOILS ON SLOPES, AS SPECIFIED IN ELEMENT NO. 5.

ELEMENT REQUIREMENTS	BEST MANAGEMENT PRACTICES - (BMPs)
ELEMENT #7 "PROTECT DRAIN INLETS"	(A) ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR TREATED TO REMOVE SEDIMENT. (B) ALL APPROACH ROADS SHALL BE KEPT CLEAN, AND ALL SEDIMENT AND STREET WASH WATER SHALL NOT BE ALLOWED TO ENTER STORM DRAINS.
ELEMENT #8 "STABILIZE CHANNELS AND OUTLETS"	(A) ALL TEMPORARY ON-SITE CONVEYANCE CHANNELS SHALL BE DESIGNED, CONSTRUCTED, AND STABILIZED TO PREVENT EROSION FROM THE EXPECTED VELOCITY OF FLOW FROM A TWO-YEAR, 24-HOUR FREQUENCY STORM FOR THE DEVELOPED CONDITION. (B) STABILIZATION, INCLUDING ARMORING MATERIAL, ADEQUATE TO PREVENT EROSION OF OUTLETS, ADJACENT STREAM BANKS, SLOPES AND DOWNSTREAM REACHES SHALL BE PROVIDED AT THE OUTLETS OF ALL CONVEYANCE SYSTEMS.
ELEMENT #9 "CONTROL POLLUTANTS"	(A) ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ON SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. (B) COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON THE SITE (SEE CHAPTER 173-304 WAC, AS CURRENTLY ENACTED OR HEREAFTER MODIFIED, FOR THE DEFINITION OF INERT WASTE, WHICH IS INCORPORATED HEREIN BY THIS REFERENCE). (C) MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ON SITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE. (D) WHEEL WASH, OR TIRE BATH WASTEWATER, SHALL BE DISCHARGED TO A SEPARATE ON-SITE TREATMENT SYSTEM OR TO THE SANITARY SEWER. (E) APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, SHALL BE CONDUCTED IN A MANNER AND AT APPLICATION RATES THAT WILL NOT RESULT IN LOSS OF CHEMICAL TO STORMWATER RUNOFF. MANUFACTURERS' RECOMMENDATIONS SHALL BE FOLLOWED FOR APPLICATION RATES AND PROCEDURES. (F) MANAGEMENT OF PH-MODIFYING SOURCES SHALL PREVENT CONTAMINATION OF RUNOFF AND STORMWATER COLLECTED ON THE SITE. THESE SOURCES INCLUDE, BUT ARE NOT LIMITED TO, BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHING AND CURING WATERS, WASTE STREAMS GENERATED FROM CONCRETE GRINDING AND SAWING, EXPOSED AGGREGATE PROCESSES, AND CONCRETE PUMPING AND MIXER WASHOUT WATERS.
ELEMENT #10 "CONTROL DEWATERING"	(A) ALL FOUNDATION, VAULT, AND TRENCH DEWATERING WATER, WHICH HAS SIMILAR CHARACTERISTICS TO STORMWATER RUNOFF AT THE SITE, SHALL BE DISCHARGED INTO A CONTROLLED CONVEYANCE SYSTEM, PRIOR TO DISCHARGE TO A SEDIMENT TRAP OR SEDIMENT POND. CHANNELS MUST BE STABILIZED, AS SPECIFIED IN ELEMENT NO. 8. (B) CLEAN, NONTURBID DEWATERING WATER, SUCH AS WELL-POINT GROUND WATER, CAN BE DISCHARGED TO SYSTEMS TRIBUTARY TO STATE SURFACE WATERS, AS SPECIFIED IN ELEMENT NO. 8, PROVIDED THE DEWATERING FLOW DOES NOT CAUSE EROSION OR FLOODING OF THE RECEIVING WATERS. THESE CLEAN WATERS SHOULD NOT BE ROUTED THROUGH SEDIMENT PONDS WITH STORMWATER. (C) HIGHLY TURBID OR OTHERWISE CONTAMINATED DEWATERING WATER, SUCH AS FROM CONSTRUCTION EQUIPMENT OPERATION, CLAMSHELL DIGGING, CONCRETE TREMIE POUR, OR WORK INSIDE A COFFERDAM, SHALL BE HANDLED SEPARATELY FROM STORMWATER AT THE SITE. (D) OTHER DISPOSAL OPTIONS, DEPENDING ON SITE CONSTRAINTS, MAY INCLUDE, BY WAY OF EXAMPLE: (1) INFILTRATION, (2) TRANSPORT OFF SITE IN VEHICLE, SUCH AS A VACUUM FLUSH TRUCK, FOR LEGAL DISPOSAL IN A MANNER THAT DOES NOT POLLUTE STATE WATERS, (3) ON-SITE TREATMENT USING CHEMICAL TREATMENT OR OTHER SUITABLE TREATMENT TECHNOLOGIES.

ELEMENT REQUIREMENTS	BEST MANAGEMENT PRACTICES - (BMPs)
ELEMENT #11 "MAINTAIN BMPS"	(A) ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE WITH BMPS. (B) SEDIMENT CONTROL BMPS SHALL BE INSPECTED WEEKLY OR AFTER A RUNOFF-PRODUCING STORM EVENT DURING THE DRY SEASON AND DAILY DURING THE WET SEASON. ALL PROJECTS THAT DISTURB AN AREA GREATER THAN ONE ACRE SHALL HAVE A CERTIFIED EROSION CONTROL LEAD AVAILABLE TO THE SITE. THIS EROSION CONTROL LEAD SHALL BE RESPONSIBLE TO PROVIDE OVERVIEW OF ONGOING DAY-TO-DAY EROSION CONTROL REQUIREMENTS. THE EROSION CONTROL LEAD SHALL (WITHIN 24 HOURS) REPORT TO THE COUNTY AND DEPARTMENT OF ECOLOGY ANY SITE DISCHARGES THAT EXCEED STATE WATER QUALITY STANDARDS THAT HAVE OR ARE LIKELY TO HAVE ENTERED WATERS OF THE STATE. (C) ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE PERMANENTLY STABILIZED.
ELEMENT #12 "MANAGE THE PROJECT"	(A) PHASING OF CONSTRUCTION. DEVELOPMENT PROJECTS SHALL BE PHASED WHERE FEASIBLE IN ORDER TO PREVENT, TO THE MAXIMUM EXTENT PRACTICABLE, THE TRANSPORT OF SEDIMENT FROM THE DEVELOPMENT SITE DURING CONSTRUCTION. REVEGETATION OF EXPOSED AREAS AND MAINTENANCE OF THAT VEGETATION SHALL BE AN INTEGRAL PART OF THE CLEARING ACTIVITIES FOR ANY PHASE. (B) WHEN ESTABLISHING THESE PERMITTED CLEARING AND GRADING AREAS, CONSIDERATION SHOULD BE GIVEN TO MINIMIZING REMOVAL OF EXISTING TREES AND MINIMIZING DISTURBANCE/COMPACTION OF NATIVE SOILS EXCEPT AS NEEDED FOR BUILDING PURPOSES. PERMITTED CLEARING AND GRADING AREAS AND ANY OTHER AREAS REQUIRED TO PRESERVE CRITICAL OR SENSITIVE AREAS, BUFFERS, NATIVE GROWTH PROTECTION EASEMENTS, OR TREE RETENTION AREAS, SHALL BE DELINEATED ON THE SITE PLANS AND THE DEVELOPMENT SITE. (C) COORDINATION WITH UTILITIES AND OTHER CONTRACTORS. THE PRIMARY PROJECT PROPONENT SHALL EVALUATE, WITH INPUT FROM UTILITIES AND OTHER CONTRACTORS, THE STORMWATER MANAGEMENT REQUIREMENTS FOR THE ENTIRE PROJECT, INCLUDING THE UTILITIES, WHEN PREPARING THE CONSTRUCTION SWPPP. (D) INSPECTION AND MONITORING. ALL BMPS SHALL BE INSPECTED, MAINTAINED, AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. (E) FOR ANY PROJECT DISTURBING MORE THAN ONE ACRE, A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL SHALL BE IDENTIFIED IN THE CONSTRUCTION SWPPP AND SHALL BE ON SITE OR ON CALL AT ALL TIMES. CERTIFICATION MAY BE THROUGH THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION/ASSOCIATED GENERAL CONTRACTORS (WSDOT/AGC) CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL CERTIFICATION PROGRAM OR ANY EQUIVALENT LOCAL OR NATIONAL CERTIFICATION AND/OR TRAINING PROGRAM, IN THE COUNTY'S DISCRETION. (F) WHENEVER INSPECTION AND/OR MONITORING REVEALS THAT THE BMPS IDENTIFIED IN THE CONSTRUCTION SWPPP ARE INADEQUATE, DUE TO THE ACTUAL DISCHARGE OF OR POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT, THE SWPPP SHALL BE MODIFIED, AS APPROPRIATE, IN A TIMELY MANNER. (G) MAINTENANCE OF THE CONSTRUCTION SWPPP. THE CONSTRUCTION SWPPP SHALL BE RETAINED ON SITE. THE CONSTRUCTION SWPPP SHALL BE MODIFIED WHENEVER THERE IS A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF ANY BMP.
ELEMENT #13 "PROTECT LOW IMPACT DEVELOPMENT BMPS"	THERE ARE NO LOW IMPACT DEVELOPMENT BMPS ON THIS PROJECT.

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER A. WEBB STATE OF WASHINGTON 35712 REGISTERED PROFESSIONAL ENGINEER

23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED: -	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

SWPPP

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C1.50
SHEET NO: 11 OF 40

O:\proj\Y2021\21-07722-000\CAD\SheetTESC_DEMO_SITE_PREP_DETAILS.dwg | 12/8/2023 4:56 PM | Sshye Dhital

LEGEND

ACCESSIBLE ROUTE

196TH STREET SW

3 C2.91 "TRAIL CLOSED" SIGN

NORTH LAGOON

SCRIBER LAKE PARK BOUNDARY

ALTERNATE A1

SCRIBER LAKE

"TRAIL CLOSED" SIGN 3 C2.91

198TH STREET SW

"PARK CLOSED" SIGN 4 C2.91

3 C2.91 "TRAIL CLOSED" SIGN

N

60 0 60 120

1"=60'

O:\proj\Y2021\21-07722-000\CAD\Sheet\Traffic Control Plan.dwg | 12/8/2023 5:00 PM | Satya Dhital

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herreraInc.com

LYNNWOOD WASHINGTON
A great deal more

CHRISTOPHER J. WEBB
STATE OF WASHINGTON
55712
REGISTERED PROFESSIONAL ENGINEER
23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

ADA ROUTE AND TRAFFIC CONTROL PLAN

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C1.60
SHEET NO: 12 OF 40

196TH STREET SW

NORTH LAGOON

SCRIBER LAKE

198TH STREET SW

CONCRETE APPROACH SEE "S" SHEETS FOR DETAILS

NEW ASPHALT TRAIL (2 C2.90)

SCRIBER LAKE PARK BOUNDARY

8' WIDE BOARDWALK , SEE "S" SHEETS FOR DETAILS

EXISTING FLOATING DOCK AND BENCHES TO BE PROTECTED FOR RE-USE

ALTERNATE A1

(2) 4'X8' BUMP OUT WITH BENCH, SEE "S" SHEETS (TYP)

55' PREFABRICATED PEDESTRIAN BRIDGE, SEE "S" SHEETS FOR DETAILS

FIXED 12X30 "SOUTH OVERLOOK" WITH BENCHES AND SIGNAGE TO REPLACE EXISTING MULCH OVERLOOK. SEE 2/C2.70

CONCRETE APPROACHES SEE "S" SHEETS FOR DETAILS

MEET AND MATCH EXISTING ASPHALT TRAIL

MEET AND MATCH EXISTING ASPHALT TRAIL

END ASPHALT OVERLAY ST

WESTERN TRAIL OVERLAY (4 C2.90)

4" ASPHALT TRAIL SECTION (3 C2.90)

3'X6' ASPHALT PAD

CEMENT CONCRETE PAD, SEE SHEET 2.10

6 C2.91 WOOD FENCE

1' WIDE 3" DEEP COMPACTED SURFACING TOP COURSE

1 C2.90 ASPHALT PAVEMENT

BEGIN NEW EXTRUDED CURB

END NEW EXTRUDED CURB

6 C2.90 ENTRANCE TRAIL

BEGIN NEW EXTRUDED CURB

END NEW EXTRUDED CURB

368 LF EXTRUDED CURB (2 C2.91)

1 C2.91 25 LF PRECAST TRAFFIC CURB TYPE C

136 LF PRECAST TRAFFIC CURB TYPE C (1 C2.91)

PROVIDE 1.5" PARKING LOT ASPHALT OVERLAY ALL EXISTING PAVEMENT TO REMAIN

EX 5 FOOT WIDE SIDWALK

3 C2.90 SOUTHERN TRAIL OVERLAY

END SOUTHERN TRAIL OVERLAY
BEGIN SOUTHERN TRAIL REPLACEMENT
STA. 3+17

3 C2.90 SOUTHERN TRAIL OVERLAY

END SOUTHERN TRAIL REPLACEMENT
BEGIN SOUTHERN TRAIL OVERLAY
STA. 3+89

END TRAIL REPLACEMENT
BEGIN SOUTHERN TRAIL OVERLAY
STA. 0+64

5 C2.90 SOUTHERN TRAIL REPLACEMENT

5 C2.90 SOUTHERN TRAIL REPLACEMENT

BEGIN SOUTHERN TRAIL REPLACEMENT
STA. 0+00

INSTALL REMOVABLE BOLLARD (TYPE 1) IN CENTER OF TRAIL.

LEGEND

- PARKING LOT ASPHALT OVERLAY
- ASPHALT PAVEMENT
- NEW ASPHALT - TRAIL
- TRAIL OVERLAYS
- ENTRANCE TRAIL
- BOARDWALK
- PEDESTRIAN BRIDGE
- GANGWAY
- CSTC
- PROJECT LIMITS

40 0 40 80
1"=40'

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB — STATE OF WASHINGTON — 35712 — REGISTERED PROFESSIONAL ENGINEER

23-1208

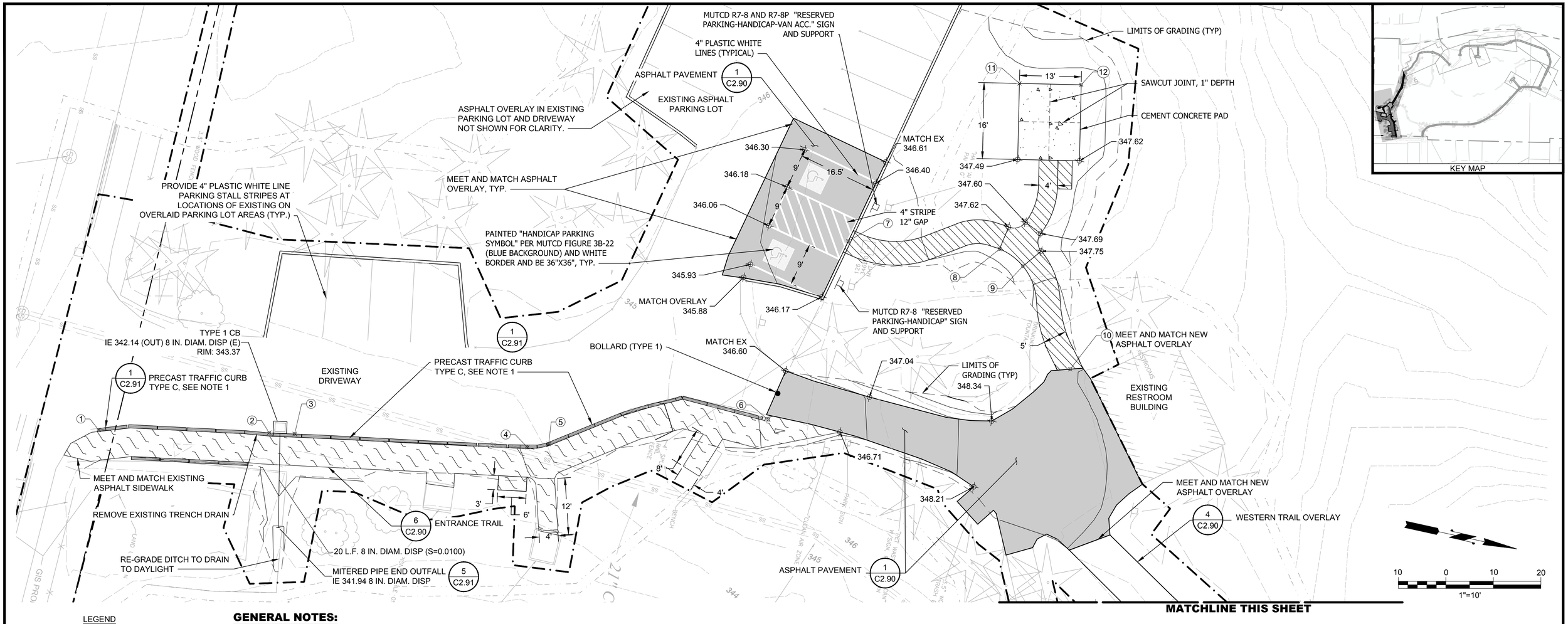
DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

OVERALL SITE PLAN

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C2.00
SHEET NO: 13 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\OVERALL_SITE_PLAN_&_PARKING_AREA_PLAN.dwg | 12/8/2023 5:09 PM | Sshya Dhital



LEGEND

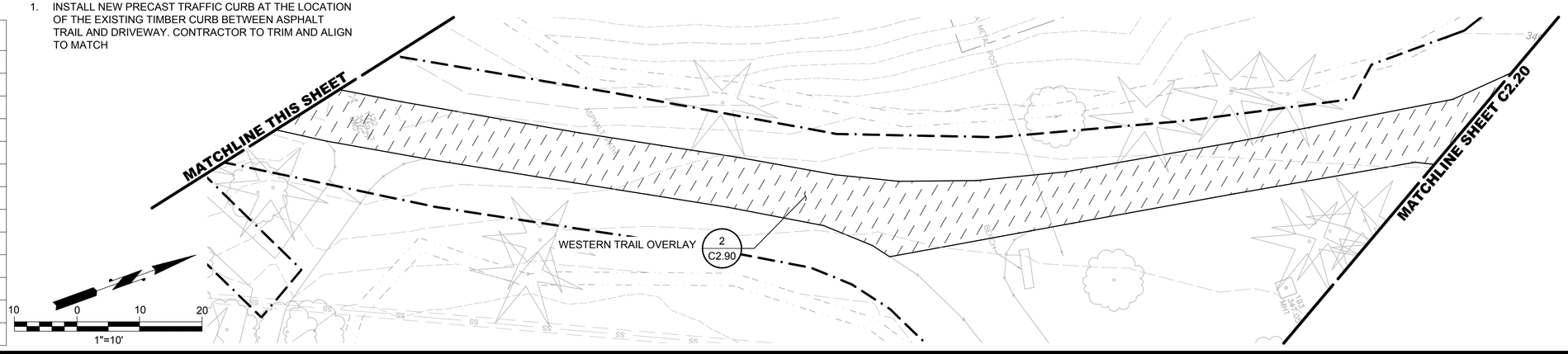
(X) COORDINATE PER TABLE BELOW

POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION
1	302355.71	1277808.91	343.51
2	302390.89	1277801.76	343.43
3	302396.17	1277800.88	343.45
4	302444.60	1277793.11	344.05
5	302448.84	1277791.49	344.16
6	302492.87	1277776.60	346.09
7	302501.27	1277736.29	346.34
8	302532.72	1277731.08	347.63
9	302538.28	1277733.56	347.75
10	302552.64	1277752.60	348.96
11	302529.33	1277696.16	347.49
12	302542.09	1277693.65	347.62

GENERAL NOTES:

1. INSTALL NEW PRECAST TRAFFIC CURB AT THE LOCATION OF THE EXISTING TIMBER CURB BETWEEN ASPHALT TRAIL AND DRIVEWAY. CONTRACTOR TO TRIM AND ALIGN TO MATCH



CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herreraInc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB STATE OF WASHINGTON 35712 REGISTERED PROFESSIONAL ENGINEER

23-1208

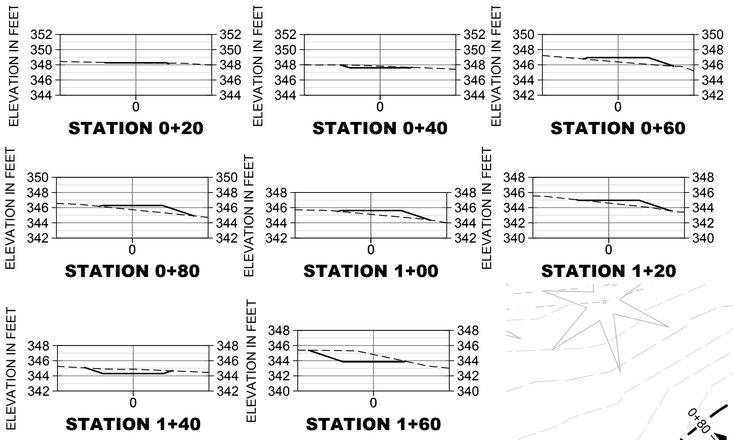
DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

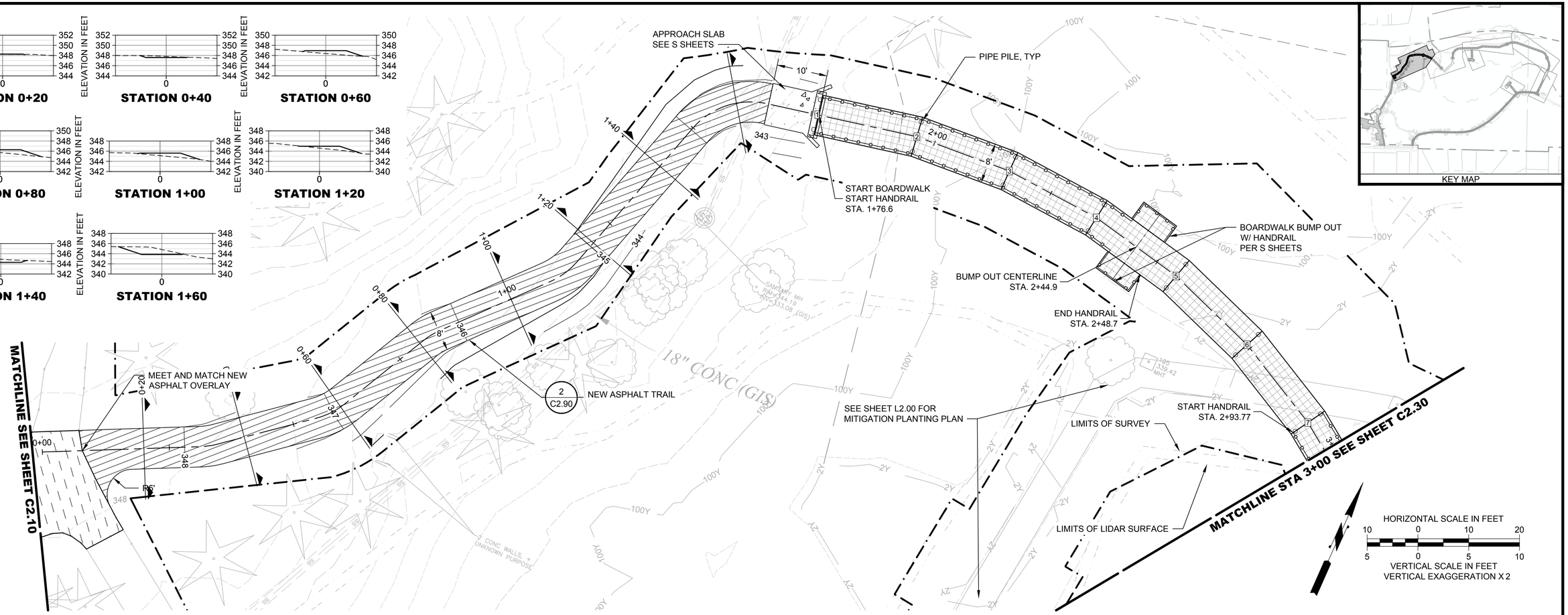
SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

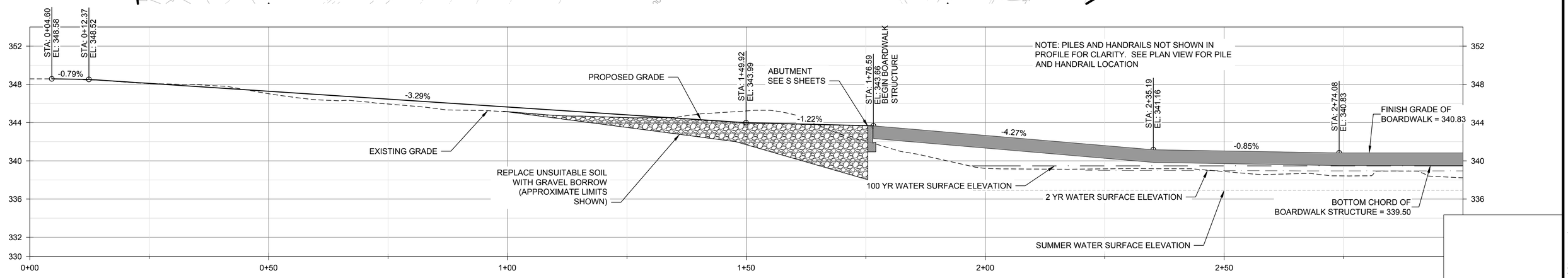
PARKING AREA PLAN

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C2.10
SHEET NO: 14 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\Grading Plans.dwg | 12/6/2023 5:00 PM | Sshya Dhital







CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD
WASHINGTON
A great deal more

CHRISTOPHER J. WEBB
STATE OF WASHINGTON
35712
REGISTERED
PROFESSIONAL ENGINEER
23-1208

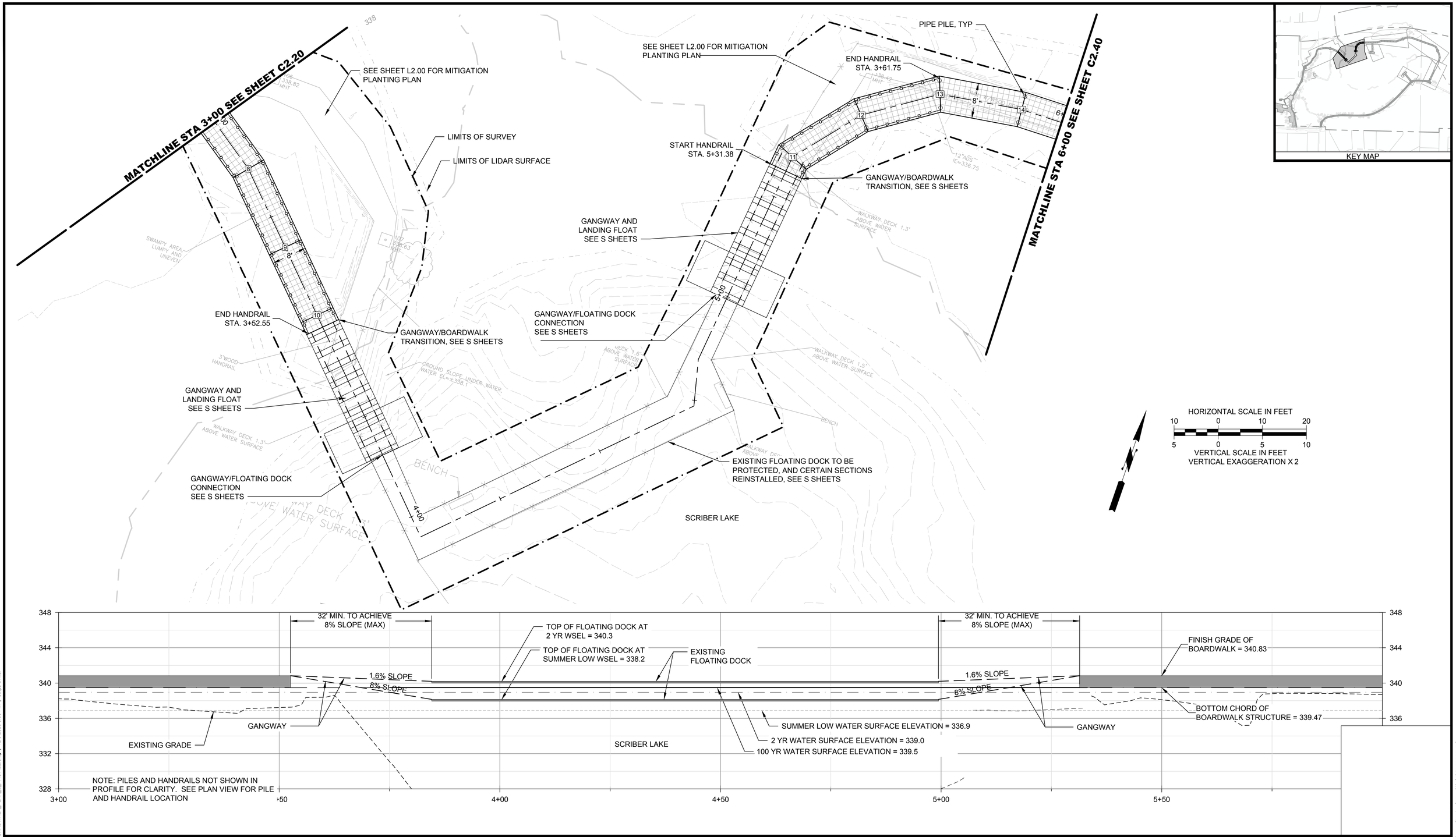
DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TRAIL AND BOARDWALK PLAN AND PROFILE
STA 0+00 TO 3+00

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C2.20
SHEET NO: 15 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\BOARDWALK_PLAN_& _PROFILE.dwg | 12/8/2023 5:00 PM | Satya Dhital



CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB STATE OF WASHINGTON 35712 REGISTERED PROFESSIONAL ENGINEER

23-1208

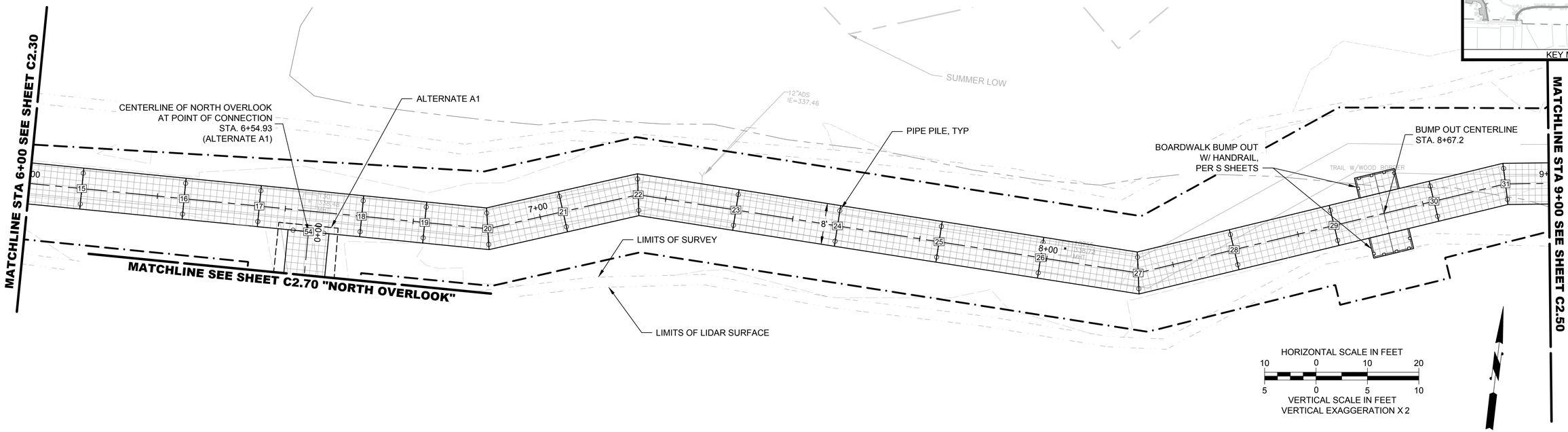
DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

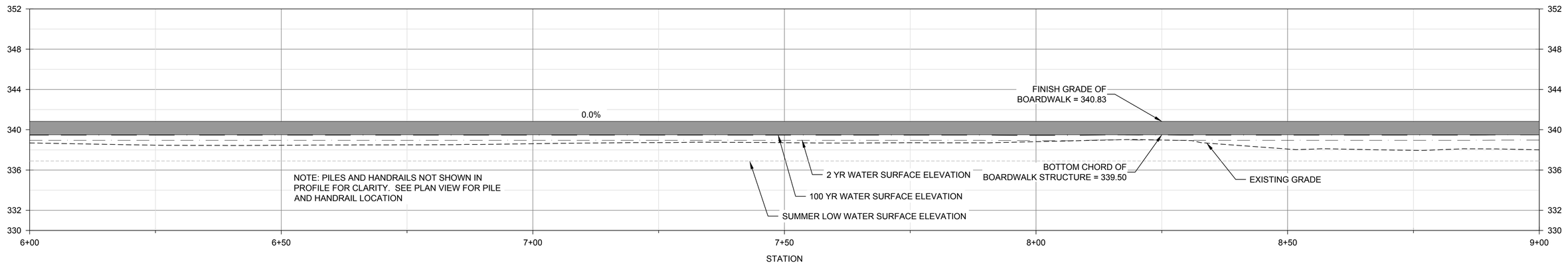
SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TRAIL AND BOARDWALK PLAN AND PROFILE
STA 3+00 TO 6+00

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C2.30
SHEET NO: 16 OF 40

O:\proj\1\2021\21-07722-000\CAD\Sheet\BOARDWALK_PLAN_&_PROFILE.dwg | 12/8/2023 5:00 PM | Satya Dhital





CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB — STATE OF WASHINGTON — 35712 — REGISTERED PROFESSIONAL ENGINEER

23-1208

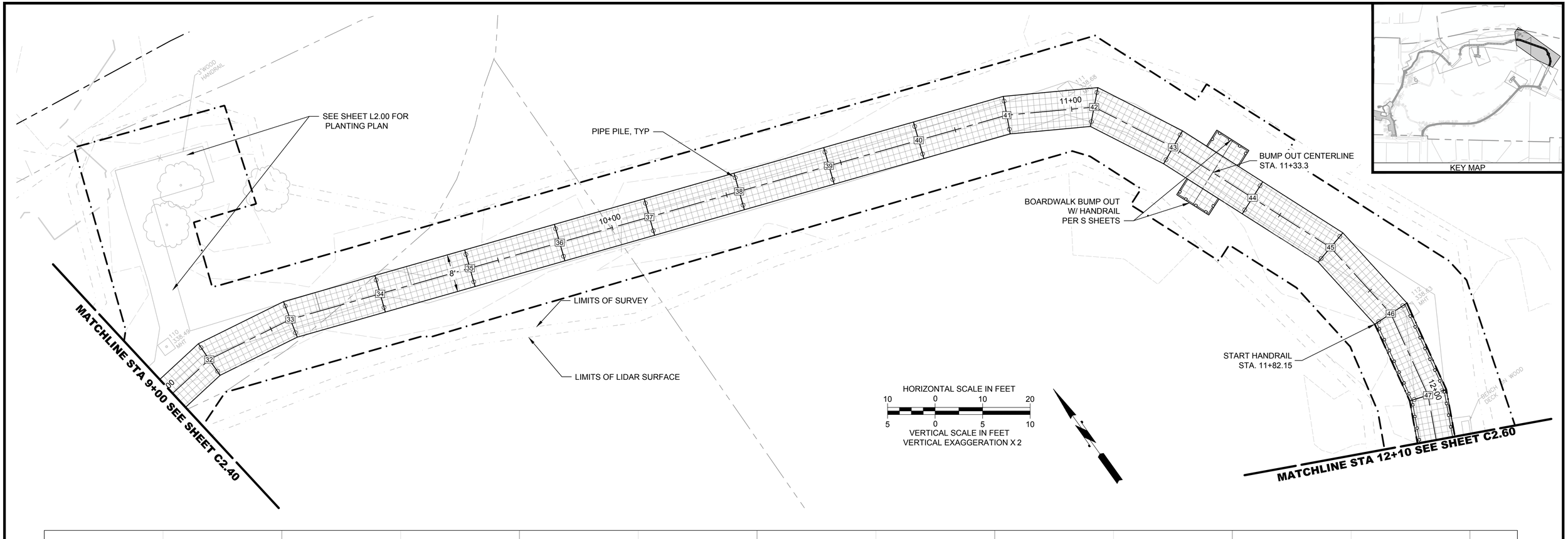
DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TRAIL AND BOARDWALK PLAN AND PROFILE
STA 6+00 TO 9+00

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C2.40
SHEET NO: 17 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\BOARDWALK_PLAN_&_PROFILE.dwg | 12/8/2023 5:00 PM | Satya Dhital



CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER C. WEBB — STATE OF WASHINGTON — 35712 — REGISTERED PROFESSIONAL ENGINEER

23-1208

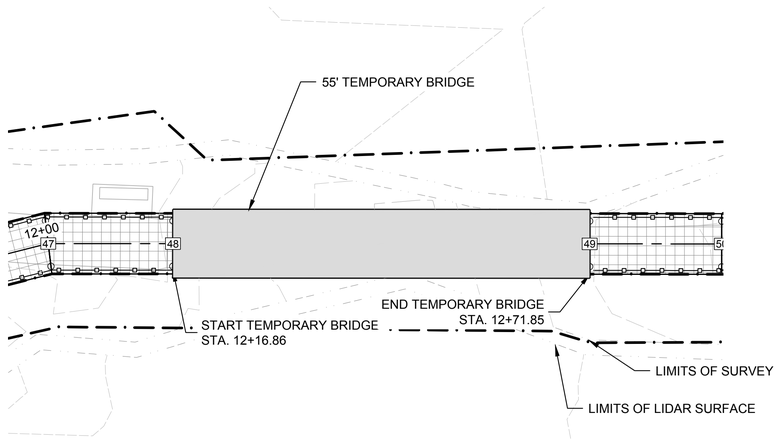
DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TRAIL AND BOARDWALK PLAN AND PROFILE
STA 9+00 TO 12+00

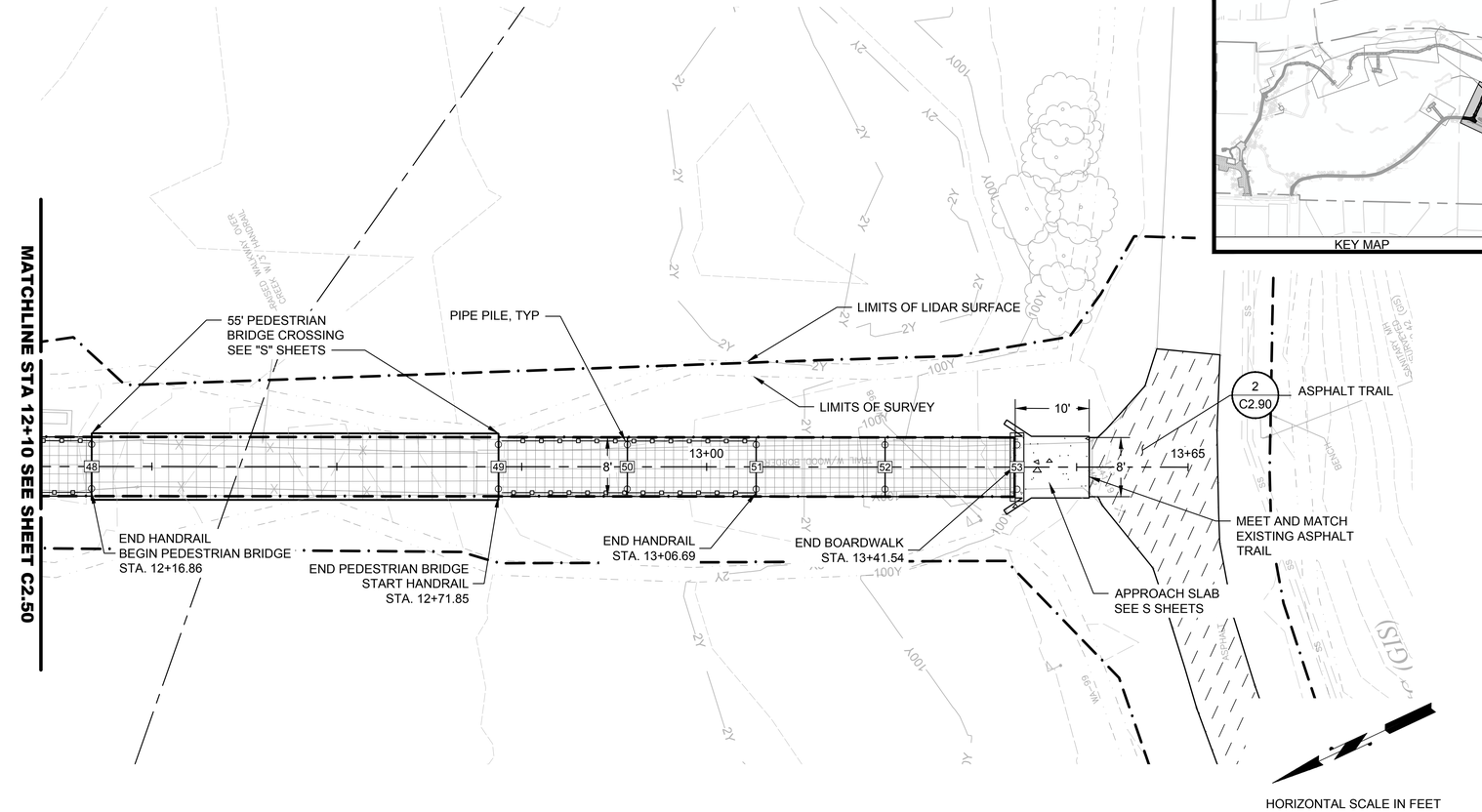
DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C2.50
SHEET NO: 18 OF 40

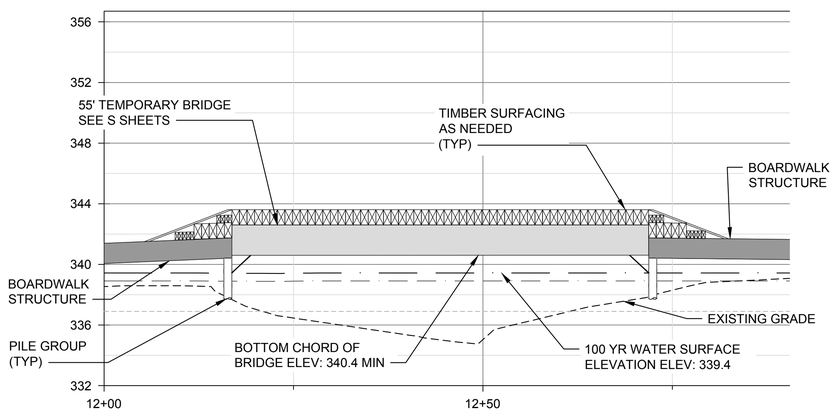
O:\proj\Y2021\21-07722-000\CAD\Sheet\BOARDWALK_PLAN_&_PROFILE.dwg | 12/8/2023 5:01 PM | Sohya Dhital



TEMPORARY BRIDGE PLAN (1 / -)

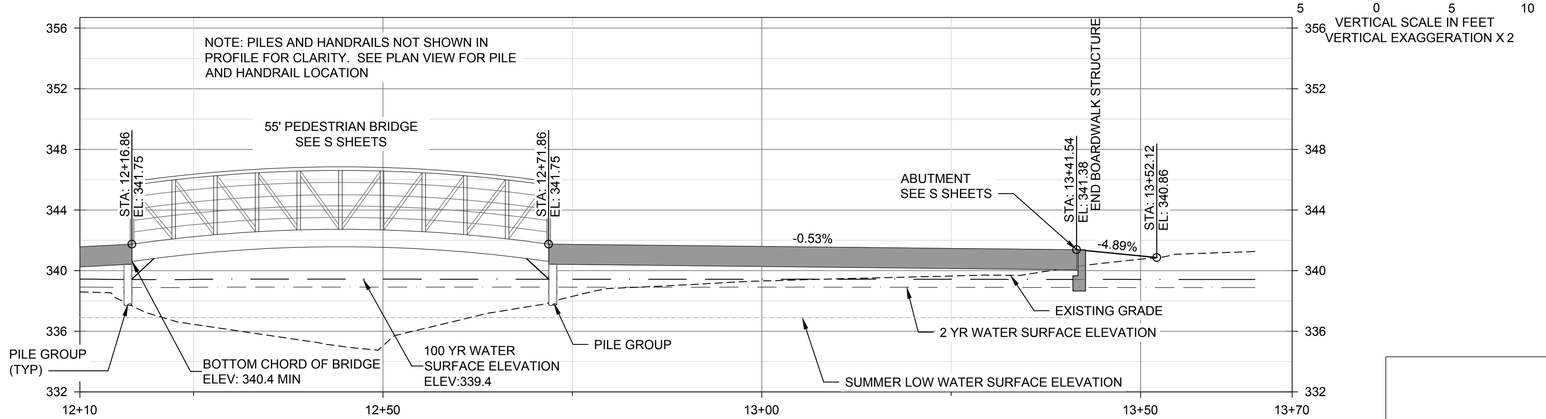
SCALE: 1"=10'





TEMPORARY BRIDGE PROFILE (2 / -)

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'



CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB — STATE OF WASHINGTON — 35712 — REGISTERED PROFESSIONAL ENGINEER

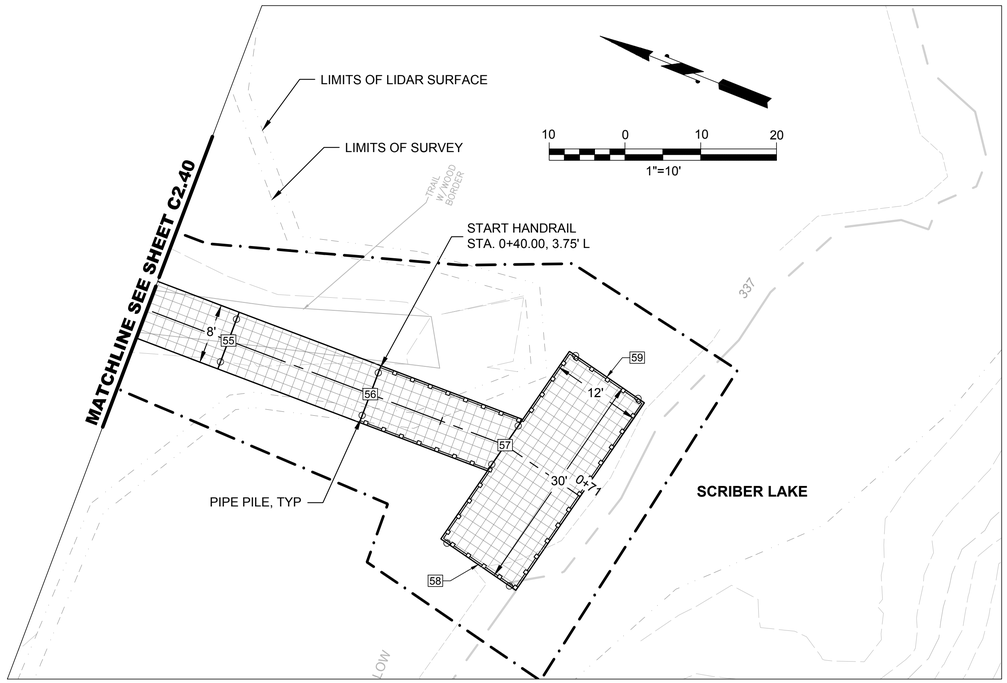
23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TRAIL AND BOARDWALK PLAN AND PROFILE
STA 12+00 TO END

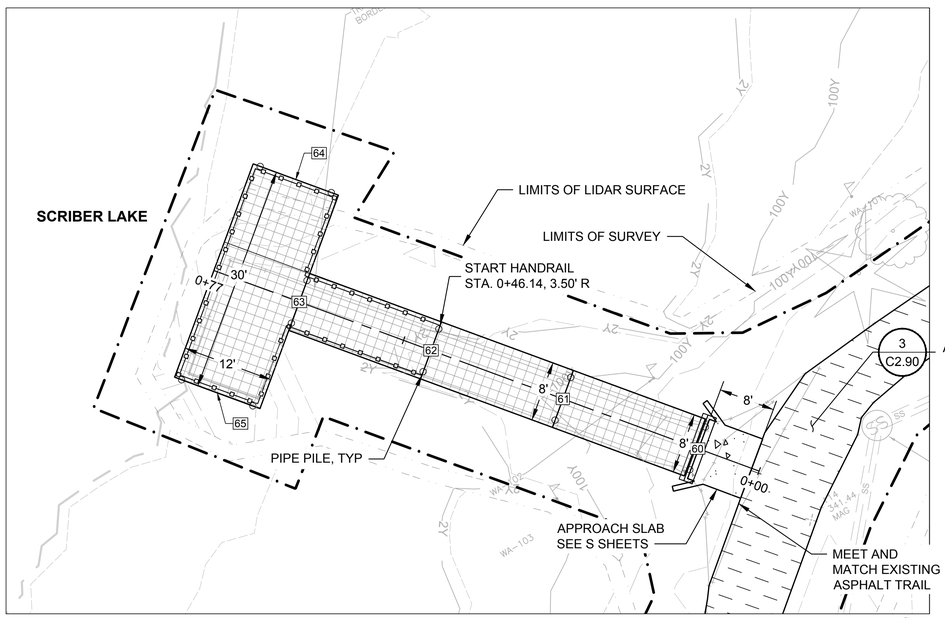
DATE:	DECEMBER 2023
PROJECT NO:	21-07722-000
DRAWING NO:	C2.60
SHEET NO:	19 OF 40



PLAN - NORTH OVERLOOK (ALTERNATE A1)

SCALE: 1" =10'

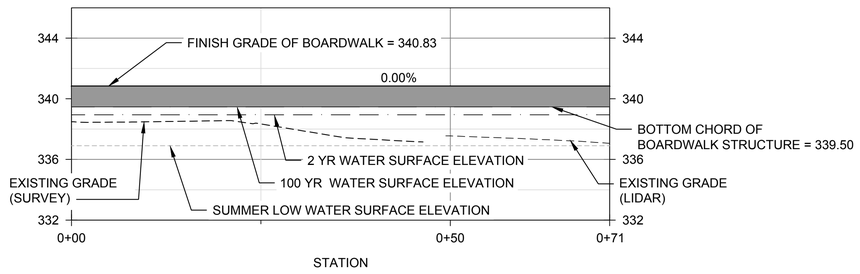
1 / -



PLAN - SOUTH OVERLOOK

SCALE: 1" =10'

2 / -

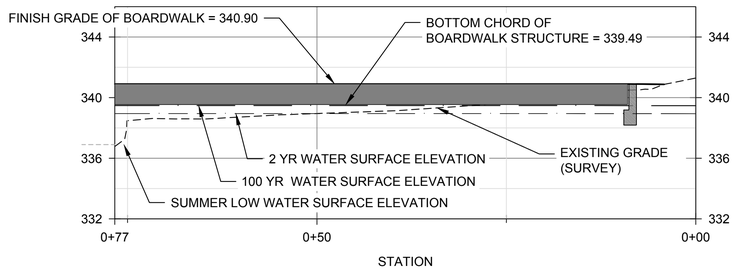


PROFILE - NORTH OVERLOOK (ALTERNATE A1)

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'

A / -

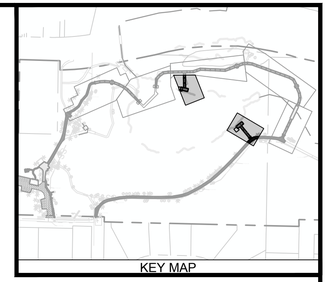
NOTE: PILES AND HANDRAILS NOT SHOWN IN PROFILE FOR CLARITY. SEE PLAN VIEW FOR PILE AND HANDRAIL LOCATION



PROFILE - SOUTH OVERLOOK

HORIZ. SCALE: 1"=10'
VERT. SCALE: 1"=5'

B / -



CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE; IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER C. WEBB STATE OF WASHINGTON 35712 REGISTERED PROFESSIONAL ENGINEER

23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TRAIL AND BOARDWALK PLAN AND PROFILE
OVERLOOKS

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C2.70
SHEET NO: 20 OF 40

Boardwalk						
Pile		Left		Right		Estimated
Group	Station	Northing	Easting	Northing	Easting	Pile Depth
1	1+76.15	1277972.0	302887.4	1277973	302881.6	32
2	1+96.29	1277992.0	302891.5	1277993	302885.5	36
3	2+15.74	1278011.8	302892.7	1278012	302886.7	40
4	2+35.19	1278031.6	302891.3	1278031	302885.3	44
5	2+54.63	1278051.0	302887.0	1278049	302881.3	48
6	2+74.08	1278069.6	302880.2	1278067	302874.7	52
7	2+93.55	1278087.2	302870.9	1278084	302865.8	54
8	3+12.92	1278103.4	302859.4	1278099	302854.8	56
9	3+32.55	1278117.2	302845.1	1278113	302840.9	58
10	3+49.55	1278129.0	302832.9	1278125	302828.7	60
11	5+34.92	1278214.3	302900.9	1278220	302898.5	54
12	5+53.13	1278226.7	302916.0	1278231	302911.5	56
13	5+71.64	1278243.0	302926.9	1278245	302921.2	58
14	5+90.47	1278262.5	302929.7	1278263	302923.7	60
15	6+10.22	1278282.5	302930.0	1278283	302924	62
16	6+30.22	1278302.5	302930.4	1278303	302924.4	64
17	6+44.93	1278317.2	302930.6	1278317	302924.6	66
18	6+64.93	1278337.2	302930.9	1278337	302924.9	66
19	6+77.25	1278349.5	302931.1	1278350	302925.1	68
20	6+89.57	1278361.3	302931.3	1278362	302925.3	70
21	7+04.57	1278375.0	302936.1	1278377	302930.4	70
22	7+19.57	1278389.7	302941.2	1278391	302935.2	70
23	7+38.81	1278409.5	302940.4	1278409	302934.4	71
24	7+58.81	1278429.5	302939.6	1278429	302933.6	71
25	7+78.81	1278449.5	302938.8	1278449	302932.8	71
26	7+98.81	1278469.5	302938.0	1278469	302932	71
27	8+18.01	1278488.1	302937.2	1278489	302931.2	71
28	8+37.22	1278505.5	302943.6	1278508	302938	71
29	8+57.22	1278524.3	302950.5	1278526	302944.9	71
30	8+77.22	1278543.1	302957.4	1278545	302951.8	71
31	8+91.52	1278556.8	302962.5	1278558	302956.6	70
32	9+10.49	1278576.4	302965.0	1278576	302958.9	70
33	9+29.54	1278595.9	302961.8	1278594	302955.9	70
34	9+49.18	1278614.7	302955.1	1278613	302949.4	70
35	9+68.82	1278633.2	302948.4	1278631	302942.8	70
36	9+88.46	1278651.7	302941.8	1278650	302936.2	69
37	10+08.10	1278670.1	302935.2	1278668	302929.6	69
38	10+27.74	1278688.6	302928.6	1278687	302922.9	69
39	10+47.38	1278707.1	302922.0	1278705	302916.3	68
40	10+67.02	1278725.6	302915.4	1278724	302909.7	68
41	10+86.29	1278744.0	302908.8	1278741	302903.3	68
42	11+04.76	1278761.0	302898.9	1278756	302894.6	70
43	11+23.41	1278770.0	302881.4	1278765	302878.9	70
44	11+43.22	1278777.4	302862.9	1278772	302860.7	70
45	11+62.69	1278784.9	302844.5	1278779	302843	73
46	11+81.53	1278787.2	302824.9	1278781	302825.1	73
47	12+00.41	1278783.4	302805.5	1278778	302807.4	73
48	12+16.86	1278776.2	302790.3	1278771	302792.9	75
49	12+71.85	1278752.8	302740.6	1278747	302743.1	55
50	12+89.27	1278745.4	302724.8	1278740	302727.4	50
51	13+06.69	1278738.0	302709.0	1278733	302711.6	50
52	13+24.11	1278730.5	302693.3	1278725	302695.8	50
53	13+41.96	1278722.9	302677.1	1278718	302679.7	40

North Overlook						
Pile		Left		Right		Pile
Group	Station	Northing	Easting	Northing	Easting	Depth
54	**0+00.00**	1278330.3	302923.8	1278324.3	302923.7	**66**
55	0+20.00	1278330.6	302903.8	1278324.6	302903.7	68
56	0+40.00	1278330.9	302883.8	1278324.9	302883.7	68
57	0+59.02	1278331.2	302864.1	1278325.2	302865.4	70
58	0+65.02	1278313.4	302867.1	1278311.2	302857.3	70
59	0+65.02	1278342.6	302860.4	1278340.4	302850.7	70

ALTERNATE A1

South Overlook						
Pile		Left		Right		Pile
Group	Station	Northing	Easting	Northing	Easting	Depth
60	0+08.64	1278583.3	302667.3	1278587.9	302671.1	50
61	0+27.59	1278571.3	302681.9	1278575.9	302685.7	60
62	0+46.13	1278559.6	302696.3	1278564.2	302700.1	63
63	0+64.67	1278547.8	302710.7	1278552.5	302714.4	65
64	0+70.67	1278561.2	302722.8	1278554.8	302730.6	65
65	0+70.67	1278531.6	302711.6	1278537.9	302703.8	65

O:\proj\Y2021\21-07722-000\CAD\Sheet\Pile Schedule.dwg | 12/8/2023 5:01 PM | Satya Dhital

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH — AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

CHRISTOPHER J. WEBB — STATE OF WASHINGTON — 35712 — REGISTERED PROFESSIONAL ENGINEER

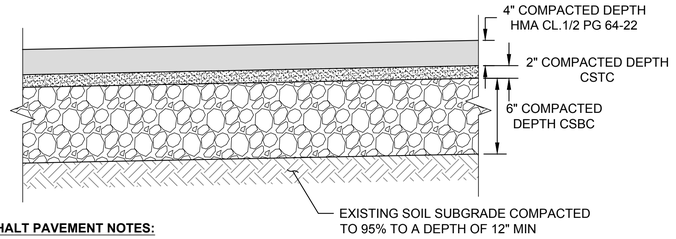
23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

PILE SCHEDULE

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: C2.80
SHEET NO: 21 OF 40



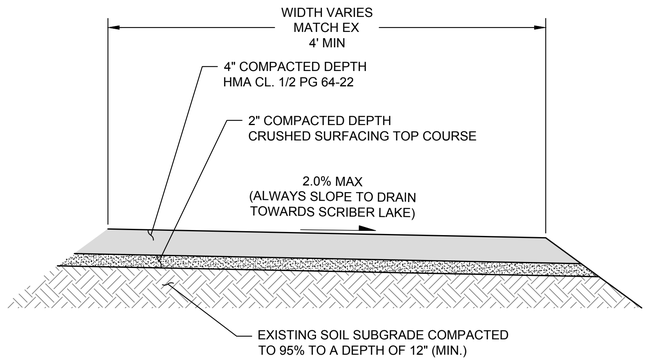
ASPHALT PAVEMENT NOTES:

1. SEAL AND SAND ALL JOINTS WITH HOT ASPHALT (AR-4000W) BETWEEN EXISTING AND NEW PAVEMENT IMMEDIATELY AFTER FINISH ROLLING.
2. ALL EXISTING ASPHALT THAT ADJOINS NEW ASPHALT SHALL BE SAWCUT. SAWCUT SHALL BE 12" MINIMUM BACK FROM ANY EXISTING FREE EDGE.

DETAIL - ASPHALT PAVEMENT

SCALE: NTS

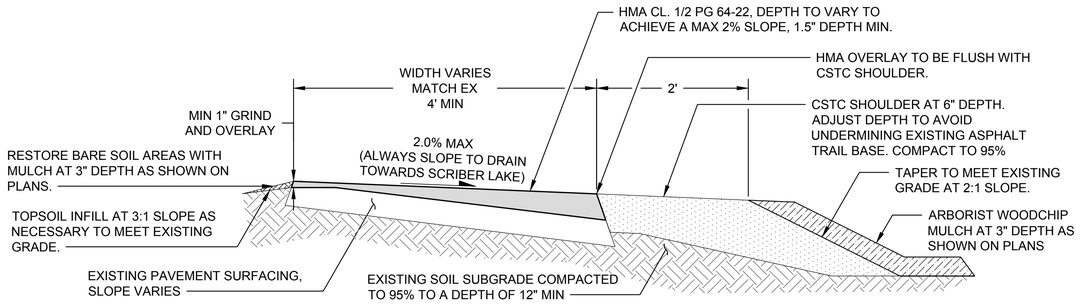
1 / C2.00



DETAIL - NEW ASPHALT TRAIL

SCALE: NTS

2 / C2.00



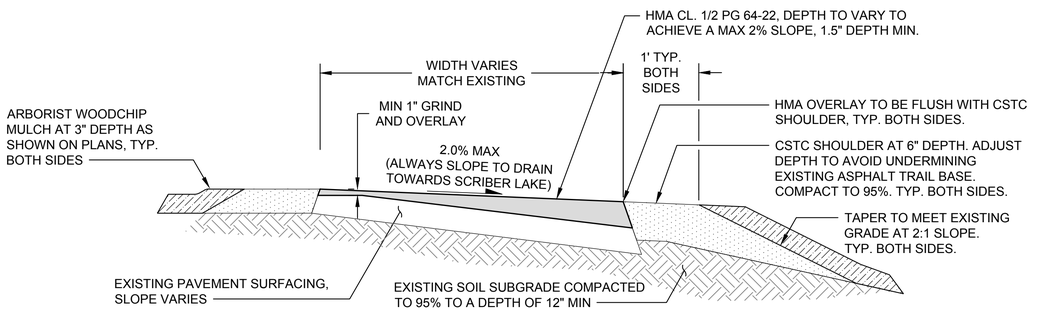
ASPHALT PAVEMENT NOTES:

1. SEAL AND SAND ALL JOINTS WITH HOT ASPHALT (AR-4000W) BETWEEN EXISTING AND NEW PAVEMENT IMMEDIATELY AFTER FINISH ROLLING.
2. ALL EXISTING ASPHALT THAT ADJOINS NEW ASPHALT SHALL BE SAWCUT. SAWCUT SHALL BE 12" MINIMUM BACK FROM ANY EXISTING FREE EDGE.

DETAIL - SOUTHERN TRAIL OVERLAY

SCALE: NTS

3 / C2.00



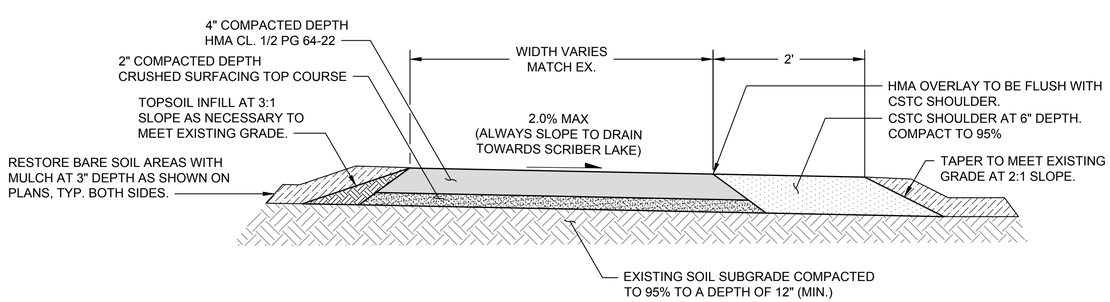
ASPHALT PAVEMENT NOTES:

1. SEAL AND SAND ALL JOINTS WITH HOT ASPHALT (AR-4000W) BETWEEN EXISTING AND NEW PAVEMENT IMMEDIATELY AFTER FINISH ROLLING.
2. ALL EXISTING ASPHALT THAT ADJOINS NEW ASPHALT SHALL BE SAWCUT. SAWCUT SHALL BE 12" MINIMUM BACK FROM ANY EXISTING FREE EDGE.

DETAIL - WESTERN TRAIL OVERLAY

SCALE: NTS

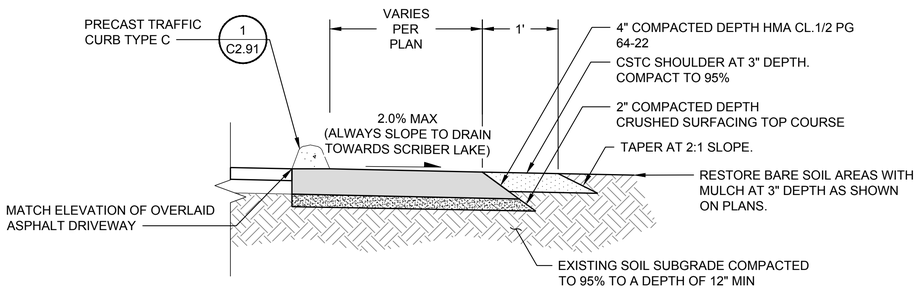
4 / C2.00



DETAIL - SOUTHERN TRAIL REPLACEMENT

SCALE: NTS

5 / C2.00



DETAIL - ENTRANCE TRAIL

SCALE: NTS

6 / C2.00

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD
WASHINGTON
A great deal more

CHRISTOPHER J. WEBB — STATE OF WASHINGTON — 35712 — REGISTERED PROFESSIONAL ENGINEER

23-1208

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

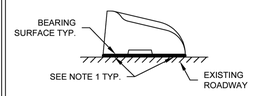
SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

TRAIL AND PAVING DETAILS

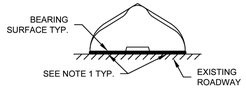
DATE:	DECEMBER 2023
PROJECT NO:	21-07722-000
DRAWING NO:	C2.90
SHEET NO:	22 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\OVERALL_SITE_PLAN_&_PARKING_AREA_PLAN.dwg | 12/8/2023 5:02 PM | Satya Dhital

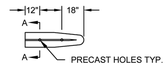
FOR MAINTENANCE OR EXTENSION OF EXISTING CURB ONLY.
NOT FOR NEW INSTALLATIONS.
(FOR NEW INSTALLATIONS SEE STD. ST-CG-3)



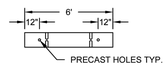
SECTION - TYPE A CURB



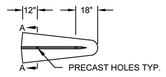
SECTION - TYPE C CURB



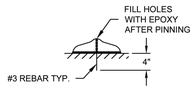
PLAN: TYPE C NOSING



PLAN: TYPE C OR TYPE A CONNECTING DIVIDER



PLAN: TYPE A NOSING

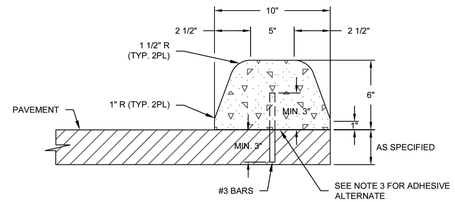


SECTION A-A

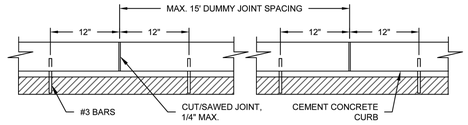
NOTES:
1. MIXTURE COMPOSED OF 1 PART LIME, 2 PARTS CEMENT, AND 3 PARTS COARSE SAND. APPLY A UNIFORM THICKNESS OF 3/4" TO ALL BEARING SURFACES.
2. NOSING AND NEXT TWO SECTIONS OF CURB SHALL HAVE HOLES PRECAST AS SHOWN.

LYNNWOOD WASHINGTON PUBLIC WORKS	PRECAST TRAFFIC CURB INSTALLATION FOR MAINTENANCE OF EX. CURB ST-CG-2-Precast-Traffic-Curb-Installation-for-Maintenance-of-Existing-Curb.dwg	DRAWING NUMBER	ST-CG-2
		SCALE	NONE
		REVISION DATE	02/22
		DEPARTMENT	PW

DETAIL - PRECAST TRAFFIC CURB 1 C2.00
SCALE: NTS



EXTRUDED CEMENT CONCRETE CURB

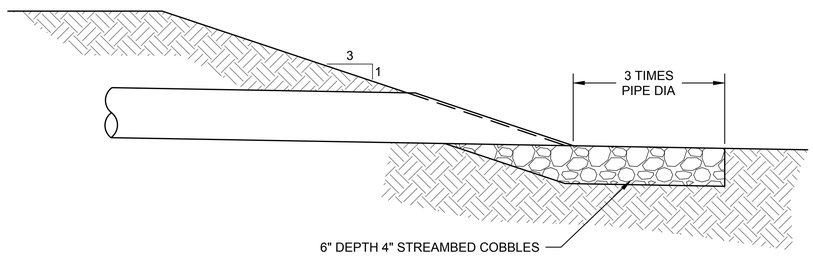


SPACING OF ANCHOR BARS

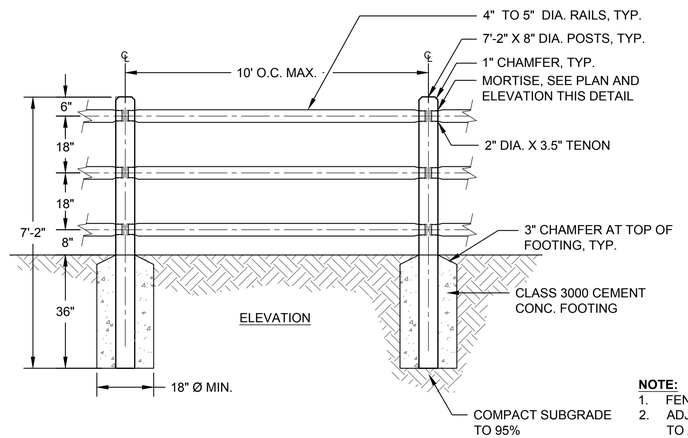
NOTES:
1. CUT JOINTS SHALL BE PLACED ONLY AT POINTS OF TANGENCY ON STREET ALLEY AND DRIVEWAY RETURNS AND WHERE EXPANSION JOINTS OCCUR IN THE PAVEMENT SLAB.
2. FINISHING, CURING, FORM WORK, PLACEMENT AND MATERIALS SHALL CONFORM TO THE CURRENT WSDOT SPECS.
3. AT THE CONTRACTOR'S OPTION CONCRETE CURBS MAY BE ANCHORED TO THE EXISTING PAVEMENT EITHER BY PLACING STEEL TIE BARS 1 FOOT ON EACH SIDE OF EVERY JOINT, OR BY USING AN ADHESIVE. THE ADHESIVE SHALL MEET THE REQUIREMENTS OF SECTION 9-26 OF THE WSDOT/APWA STANDARD SPECIFICATIONS FOR TYPE II EPOXY RESIN.

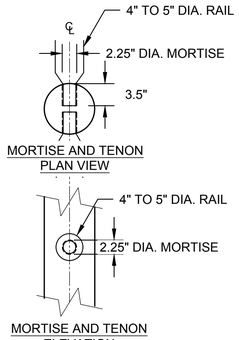
LYNNWOOD WASHINGTON PUBLIC WORKS	CONCRETE EXTRUDED CURB ST-CG-3-Concrete-Extruded-Curb.dwg	DRAWING NUMBER	ST-CG-3
		SCALE	NONE
		REVISION DATE	12/20
		DEPARTMENT	PW

DETAIL - EXTRUDED CURB 2 C2.00
SCALE: NTS



DETAIL - MITERED PIPE END SECTION 5 C2.10
SCALE: NTS





NOTE:
1. FENCE RAILS TO SLOPE WITH GRADE.
2. ADJUST MORTISE HORIZONTAL LOCATIONS TO ACCOMMODATE FENCE LAYOUT AS SHOWN IN PLANS

DETAIL - WOOD FENCE 6 C2.00
SCALE: NTS

DETAIL - TRAIL CLOSURE SIGN 3 C1.60
SCALE: NTS

DETAIL - PARK CLOSURE SIGN 4 C1.60
SCALE: NTS

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

CHRISTOPHER J. WEBB 35712 STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER
23-1208

DESIGNED: C. WEBB		DRAWN: C WITZEL	
DESIGNED:		DRAWN:	
DESIGNED: -		CHECKED: -	
SCALE: AS NOTED		APPROVED: -	

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

SIGN AND CURB DETAILS

DATE:	DECEMBER 2023
PROJECT NO:	21-07722-000
DRAWING NO:	C2.91
SHEET NO:	23 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\OVERALL_SITE_PLAN_&_PARKING_AREA_PLAN.dwg | 12/8/2023 5:02 PM | Sitiya Dhital

ABBREVIATIONS

@	AT
Ø	DIAMETER
#	POUND OR NUMBER
AAC	AUTOCLAVED AERATED CONCRETE
AB	ANCHOR BOLT
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASD	ALLOWABLE STRESS DESIGN
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
AWC	AMERICAN WOOD COUNCIL
BLKG	BLOCKING
BM	BEAM
BNDY	BOUNDARY
BN	BOUNDARY NAILING
BOT	BOTTOM
BRG	BEARING
BS	BOTH SIDES
BTWN	BETWEEN
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION/CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CLT	CROSS-LAMINATED TIMBER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONTR	CONTRACTOR
CSK	COUNTERSINK
CTR	CENTER
CVR	COVER
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DIAPH	DIAPHRAGM
DIM	DIMENSION
D	DEEP
DF	DOUGLAS-FIR
DLT	DOWEL LAMINATED TIMBER
DT	PRE-ENGINEERED DRAG TRUSS
EA	EACH
EL	ELEVATION
ELEV	ELEVATOR
EMBED	EMBEDMENT
EN	END NAILING
ENGR	ENGINEER
EOR	ENGINEER OF RECORD
EQ	EQUAL
EQUIV	EQUIVALENT
EA FACE	EACH FACE
EA SIDE	EACH SIDE
EA WAY	EACH WAY
(E)	EXIST, EXISTING
ESR	ICC EVALUATION SERVICE REPORT
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FS	FAR SIDE
FT	FEET
FTG	FOOTING
FT-LB	FOOT POUNDS
GA	GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLUE LAMINATED
GLB	GLUE LAMINATED BEAM
GR	GRADE
GT	PRE-ENGINEERED GIRDER TRUSS
GWB	GYPSUM WALL BOARD
HGR	HANGER
HDR	HEADER
HF	HEM-FIR
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
HORIZ	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
ICF	INSULATED CONCRETE FORM
IN	INCHES
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIPS = 1000 LBS
KSI	KILOPOUNDS PER SQUARE INCH
L	ANGLE
LBS	POUNDS
LVL	LEVEL
LVL	LAMINATED VENEER LUMBER
L&I	LABOR & INDUSTRIES DEPARTMENT
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATE, LOCATION
LONGIT	LONGITUDINAL
LSL	LAMINATED STRAND LUMBER
MB	MACHINE BOLT
MECH	MECHANICAL
MTL	METAL
MFR	MANUFACTURER
MIN	MINIMUM
MC	MOISTURE CONTROL
MPH	MILES PER HOUR
NS	NEAR SIDE
NDS	NATIONAL DESIGN SPECIFICATION
	FOR WOOD CONSTRUCTION
NTS	NOT TO SCALE
NWT	NORMAL WEIGHT
OC	ON CENTER
OPP	OPPOSITE HAND
PAF	POWDER ACTUATED FASTENER
PC	PRE-CAST
PCF	POUNDS PER CUBIC FOOT
PERP	PERPENDICULAR
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PNL	PANEL
PRE-ENG	PRE-ENGINEERED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PW	PLYWOOD
REF	REFERENCE
REINF	REINFORCEMENT
REQ'D	REQUIRED
RT	PRE-ENGINEERED ROOF TRUSS
SBC	SEATTLE BUILDING CODE
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SDCI	SEATTLE DEPARTMENT OF CONSTRUCTION & INSPECTIONS
SER	STRUCTURAL ENGINEER OF RECORD
SF	SQUARE FEET
SHTG	SHEATHING
SIM	SIMILAR
SIMP	SIMPSON STRONG-TIE
SOG	SLAB ON GRADE
SPCG	SPACING
SRC	SEATTLE RESIDENTIAL CODE
SS	STAINLESS STEEL
STD	STANDARD
STIFF	STIFFENER
STRUC	STRUCTURAL
SW	SHEAR WALL
SQ	SQUARE
T&G	TONGUE AND GROOVE
THK	THICK
THRD	THREADED
TMS	THE MASONRY SOCIETY
T&B	TOP & BOTTOM
TO	TOP OF
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TRANSV	TRANSVERSE
TRTD	TREATED
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
WABO	WASHINGTON ASSOCIATION OF BUILDING OFFICIALS
W	WIDE
w/	WITH
w/o	WITHOUT
WF	WIDE FLANGE
WHS	WELDED HEADED STUD
WTS	WELDED THREADED STUD
WWF	WELDED WIRE FABRIC

GRAPHIC SYMBOL LEGEND

- BEAM/JOIST
- GRID LINE
- CENTERLINE
- CONCRETE BY OTHERS (CUT)
- GRAVEL (CUT)
- EARTH (CUT)
- DECK SPAN
- EXTENT
- SURFACE SLOPE PER CIVIL
- DETAIL REFERENCE NO. / SECTION CALLOUT / SHEET REFERENCE NO.
- DETAIL REFERENCE NO. / ELEVATION CALLOUT / SHEET REFERENCE NO.
- DETAIL REFERENCE NO. / DETAIL CALLOUT / SHEET REFERENCE NO.
- HIGH SIDE / FOOTING STEP

SHEET INDEX

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
a great deal more

LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

STATE OF WASHINGTON · STEVEN JOHN PAUL BOWER · 49147 · REGISTERED PROFESSIONAL ENGINEER
12/08/2023

DESIGNED: N. HAEG	DRAWN: D. GENSON	DATE: 12/08/2023	
DESIGNED:	DRAWN:	PROJECT NO: 21-203-01	
DESIGNED: -	CHECKED: O. BOWER	DRAWING NO: **S1.01**	
SCALE: AS NOTED	APPROVED: O. BOWER	SHEET NO: 24 OF 40	

SCRIBER LAKE PARK BOARDWALK
5601 198th ST SW
LYNNWOOD, WA 98036
ABBREVIATIONS AND SHEET INDEX

GENERAL REQUIREMENTS

SUMMARY OF WORK
Project consists of a pile supported steel framed boardwalk structure with concrete abutments as shown on these Contract Documents used in coordination with the Civil and other discipline's documents.

GOVERNING CODE
All methods, materials, and workmanship shall conform to Washington State Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction dated 2023.

All design shall conform to the 2018 International Building Code, AASHTO Guide Specification for the Design of Pedestrian Bridges, 2015 Interim Revisions, and local jurisdiction amendments.

DOCUMENTS
Structural Documents shall be used in conjunction with Civil Documents for all bidding and construction.

Drawings indicate general and typical details of construction. Typical details and general notes shall apply even if not specifically denoted on plans, UNO. Where conditions are not specifically indicated similar details of construction shall be used, subject to review and approval by the Civil Engineer and the SER.

Existing structural information, designated as (E) on the Structural drawings, has been compiled from information furnished by various sources and is not necessarily field-verified by the Engineer. Dimensions relating to existing structures are intended for use as guidelines only; all dimensions shall be field-verified by the contractor prior to start of construction. Notify the Civil Engineer of any discrepancies.

These Contract Documents and any materials used in preparation of them, including calculations, are the exclusive property of the SER and can be reproduced only with the permission of the SER.

WARRANTY
The SER has used that degree of care and skill ordinarily exercised under similar circumstances by members of the profession in this locale and no other warranty, either expressed or implied, is made in connection with rendering professional services.

OWNER RESPONSIBILITY
The Owner shall retain a Special Inspector to perform the special inspection requirements required by the building official and as outlined in the Special Inspection section below.

DESIGN CRITERIA

BUILDING CATEGORY
Structural Risk Category II
Importance factors for snow and seismic are listed with the loading criteria.

LIVE LOADS
Boardwalk Live Load = 100 psf

LIVE LOADS - SNOW
Numbering below is per IBC Section 1603.1.3:
1. Flat-Roof Snow Load: P_f = 25 psf
2. Snow Exposure Factor: C_e = 1.0
3. Snow Importance Factor: I_s = 1.0
4. Thermal Factor: C_t = 1.2

LATERAL LOADS - EARTHQUAKE
Numbering below is per IBC Section 1603.1.5:
1. Risk Category: II
2. Seismic Importance Factor: I_e = 1.0
3. Mapped Spectral Response Acceleration Parameters: S_s = 1.302 g; S_1 = 0.46 g
4. Site Class: E; F_A = 1.2; F_V = 2.28
5. Design Spectral Response Acceleration Parameters: S_{DS} = 1.042 g; S_{D1} = 0.699 g
6. Seismic Design Category: D
7. Basic Seismic Force-Resisting Systems:
   Vertical Elements: Steel Cantilevered Columns Detailed Per ASCE 7-16, 15.6.3;
8. Design Base Shear: 95 kips Total / 0.82 klf
9. Seismic Response Coefficient: C_S = 0.512
10. Response Modification Coefficient: R = 2.0
11. Analysis Procedure: Equivalent Lateral Force Procedure

Additional Items:
Building Location: 47.820365° N, -122.307318° W
Redundancy Factors:
North/South Direction = 1.0
East/West Direction = 1.0

CONTRACTOR PERFORMANCE REQUIREMENTS

DESIGN DOCUMENTS
Do not scale drawings. Use only field verified dimensions. When electronic plan files are provided for the Contractor's detailing convenience, it shall be noted that the electronic files are not guaranteed to be dimensionally accurate. The Contractor uses them at their own risk.

CONTRACTOR-INITIATED CHANGES
Contractor-initiated changes shall be submitted in writing to the Civil Engineer for review and acceptance prior to fabrication or construction. Changes shown on shop drawings only will not satisfy this requirement.

INSPECTIONS
The Contractor shall coordinate with the building department for all building department required inspections.

INSPECTIONS

INSPECTIONS BY BUILDING OFFICIAL
The building official, upon notification, shall make structural inspections as required by local ordinance. The inspection by the building official per IBC Section 110 will be separate from and in addition to the special inspection and structural observation mentioned subsequently.

INSPECTIONS (cont'd)

SPECIAL INSPECTIONS
A Special Inspector shall be hired by the Owner to perform the following special inspections per IBC Section 1704. See the specifications for additional requirements for special inspection and testing. The Civil Engineer, Structural Engineer, and building department shall be furnished with copies of all inspection reports and test results.

Each contractor responsible for the construction of a seismic force resisting system, designated seismic system, or component listed in the statement of special inspections shall submit a written statement of responsibility to the building official and the Owner prior to the commencement of work on the system or component. The written statement shall be in accordance with IBC Section 1704.4.

See IBC Chapter 17: "Special Inspections and Tests" for more detailed requirements.

SPECIAL INSPECTIONS AND TESTS OF DRIVEN DEEP FOUNDATION ELEMENTS (PER IBC 1705.7)

Verification and Inspection	Frequency		Reference
	Cont.	Periodic	
Verify element materials, sizes, and lengths to comply with the requirements	X		
Determine capacities of test elements and conduct additional load tests, as required	X		
Observe driving operations and maintain complete and accurate records for each element	X		
Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element	X		
For steel elements: perform additional inspections in accordance with Section 1705.2	X		1705.2.1

SPECIAL INSPECTIONS AND TESTS OF SOILS (PER IBC 1705.6)

Verification and Inspection	Frequency		Reference
	Cont.	Periodic	
Verify materials below shallow foundations are adequate to achieve the design bearing capacity		X	
Verify that excavations are extended to proper depth and have reached proper material		X	
Perform classification and testing of compacted fill materials		X	
Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	X		
Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly		X	

SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION (PER IBC 1705.3)

Verification and Inspection	Frequency		Reference
	Cont.	Periodic	
Inspect reinforcement, including prestressing tendons, and verify placement		X	IBC 1908.4 ACI 318: 20, 25.2-3, 26.6.1-3
Reinforcing bar welding:			
• Verify weldability of reinforcing bars other than ASTM A706		X	AWS D1.4
• Inspect single-pass fillet welds, maximum 5/16"		X	ACI 318: 26.6.4
• Inspect all other welds	X		
Inspection of anchors cast in concrete		X	ACI 318: 17.8.2
Inspection of anchors and reinforcing bar post-installed in hardened concrete members:			
• Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	X		ACI 318: 17.8.2.4
• Mechanical anchors, adhesive anchors and reinforcing bar not defined above		X	ACI 318: 17.8.2
Verifying use of required design mix		X	IBC 1904.1, 1904.2, 1908.2-3, ACI 318: 19, 26.4.3, 26.4.4
Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	X		IBC 1908.10 ACI 318: 26.4, 26.12 ASTM C172, C31
Inspection of concrete and shotcrete placement for proper application techniques	X		IBC 1908.6-8 ACI 318: 26.5
Verify maintenance of specified curing temperature and techniques		X	IBC 1908.9 ACI 318: 26.5.3-5
Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs		X	ACI 318: 26.11.2
Inspect formwork for shape, location and dimensions of the concrete being formed		X	ACI 318: 26.11.1.2(b)
Inspection of mechanical splicing of reinforcing bars	X		ICC report for specified product

INSPECTIONS (cont'd)

SPECIAL INSPECTIONS OF STRUCTURAL STEEL CONSTRUCTION OTHER THAN SEISMIC LATERAL FORCE RESISTING SYSTEMS (PER IBC 1705.2.1)

Verification and Inspection	Frequency		Reference
	Cont.	Periodic	
Inspection of fabricator's quality control procedures		X	IBC 1704.2.5 AISC 360-N.2
Review of material test reports and certifications listed in AISC Section N3.2	X		AISC 360-N.5.2 AWS D1.1
Inspection of welding structural steel:	Per AISC 360 tables N5.4-1-3		AISC 360-N.5.4-5 AWS D1.1
Nondestructive testing of welded joints	Per AISC 360 N5.5		AISC 360-N5.5 AWS D1.1
Inspection of high-strength bolting	Per AISC 360 tables N5.6-1-3		AISC 360-N.5.6
Inspect the fabricated steel or erected steel frame to verify compliance with the details shown on the construction documents		X	AISC 360-N.5.8
Inspection during the placement of anchor rods and other embedments supporting structural steel	X		AISC 360-N.5.8

SPECIAL INSPECTIONS OF STRUCTURAL STEEL CONSTRUCTION AT SEISMIC LATERAL FORCE RESISTING SYSTEMS (PER IBC 1705.12.1)

Verification and Inspection	Frequency		Reference
	Cont.	Periodic	
Inspection of welding structural steel:	Per AISC 341 tables J6-1-3		AISC 341-J6 AISC 360-N.5.4-5 AWS D1.8
Inspection of high-strength bolting		Per AISC 341 tables J7-1-3	AISC 341-J7

GEOTECHNICAL

REPORT & GENERAL CRITERIA
Criteria outlined in the report listed below were used for the design of the foundations:
FINAL GEOTECHNICAL REPORT; Scriber Lake Park Boardwalk
prepared by HWA GeoSciences, INC (08/23/2023)

Contractor shall be familiar with recommendations in the above-mentioned report prior to start of construction. Allowable soil pressure and lateral earth pressure are assumed and therefore must be verified by a Geotechnical Inspector or the building official. If soils are found to be other than assumed, notify the Structural Engineer for possible foundation redesign. For wet weather work, see the Geotechnical Report.

INSPECTIONS
All prepared soil-bearing surfaces shall be inspected by the Owners Geotechnical Inspector (or building official) prior to placement of reinforcing steel and concrete. Inspections shall be made per IBC Table 1705.6.

BEARING VALUES
All footings shall bear on undisturbed soil and shall be lowered to firm bearing if suitable soil is not found at elevations shown. Exterior footings shall bear a minimum of 18" below the finished ground surface. Footing elevations shown on plans (or in details) are minimum depths and for guidance only; the actual elevations of footings must be established by the Contractor in the field working with the Geotechnical Inspector.

Allowable vertical bearing pressure = 1,500 psf

PILES GENERAL CRITERIA
Pile or pier lengths shall be determined in field by Geotechnical Inspector.

The contractor shall determine the location of all adjacent underground utilities prior to drilling or driving operations. Refer to the Geotechnical Report for recommended drilling or driving procedure.

Inspections shall be made by the Geotechnical Inspector per IBC Table 1705.7 or 1705.8.

STEEL PILING
All steel pipe piles shall be closed ended and non-galvanized steel conforming to ASTM A500, Grade B with size as noted on the drawings. Design load on each pile equals 24 tons in construction and 10 tons in service.

Steel pile piles shall be driven to refusal in within the bearing strata. Pile driving shall be monitored by a Geotechnical Inspector. The driving criteria may be modified to suit the site conditions encountered when approved by the Geotechnical Inspector. Testing of pile capacity shall be performed as recommended by the Geotechnical Inspector.

CONCRETE

CAST-IN-PLACE CONCRETE
Concrete materials shall conform to the following:

Portland cement:	Type 1, ASTM C150
Fly ash (if used):	ASTM C618 class F or C
Slag cement (if used):	ASTM C989
Lightweight aggregates:	lightweight aggregates shall not be used without prior approval of SER and building department
Normal weight aggregates:	ASTM C33
Sand equivalent:	ASTM C33
Water:	Potable per ASTM C94
Air entraining admixtures:	ASTM C260
Chemical admixtures:	ASTM C494
Flowable concrete admixtures:	ASTM C1017

Durability requirements of concrete mixes shall conform to building code. These requirements include water-cementitious material ratios, minimum compressive strengths, air entrainment, type of cement, and maximum chloride ion content.

CONCRETE STRENGTH REQUIREMENTS TABLE

Location	Strength f'c (psi)	Max Agg Size	Max W/C Ratio	Total Air Content	Exposure Categories and Classes			
					F	S	W	C
Lean mix soil replacement under foundations	1,500	Sand	1.5 Sack Cement	-	F1	S0	W0	C1
Foundations	4,000	1"	0.44	4.5%	F1	S0	W0	C1

CONCRETE MIXTURES
Mixes shall be proportioned to meet compliance requirements of ACI 318 Section 26.4.3. Slump, W/C ratio, admixtures and aggregate size will be determined by the contractor. Submit documentation of concrete mixture characteristics for review by the SER before the mixture is used and before making changes to mixtures already in use. Documentation shall comply with ACI 318 Section 26.4.4.

All concrete, including slab on grade, shall contain an acceptable water-reducing admixture conforming to ASTM C494 and be used in strict accordance with the manufacturer's recommendations.

All concrete which is exposed to freezing and thawing in a moist condition or exposed to deicing chemicals shall contain an air entraining agent, conforming to ASTM C260. Total air content shall be adjusted per ACI 318 for mix designs with smaller nominal aggregate size. The amount of entrained air shall be measured at the discharge end of the placing nozzle. Entrained air shall be as noted ± 1.0% by volume. Air-entrainment shall not be used at slabs that will receive a smooth, dense, hard-troweled finish.

Trucks hauling plant-mixed concrete shall arrive on-site with a field ticket indicating the maximum gallons of water that can be added at the site not to exceed the total water content in the approved mix design.

Concrete shall be deposited as nearly as practicable in its final position to avoid segregation due to rehandling or flowing. Concrete shall be thoroughly consolidated by suitable means during placement and shall be thoroughly worked around reinforcement, embedded items, and into corners of forms.

FORMWORK AND ACCESSORIES
Concrete construction shall conform to ACI 301 "Specifications for Structural Concrete" and the Building Code, including testing procedures. See specifications and/or Civil documents for formwork requirements. Installation shall adhere to ACI 301. Conduits and pipes of aluminum shall not be embedded in concrete construction.

Concrete accessories and embedded items shall be coordinated with Civil and all other Contract Documents and suppliers' drawings before placing concrete. Wet-setting of anchor rods, reinforcing, hardware, etc. is not allowed in concrete. Anchor rods, reinforcing, hardware, etc. shall be firmly tied in place prior to concrete placement.

Refer to Civil documents for waterstops, damp proofing, and soil retaining wall drainage requirements at concrete and at concrete joints (construction joints, slab to wall joints, curb to slab joints, etc).

CURING AND FINISHES
Protect and cure freshly placed concrete per ACI 305.1 in hot conditions, ACI 306.1 in cold conditions, and ACI 308.1 " Specification for Curing Concrete". All exposed edges and corners shall have 3/4" chamfer, UNO. Concrete flatwork shall be sloped to provide positive drainage. Coordinate finish with Civil contract documents.

At the time of application of finish materials or special treatment to concrete, moisture content of concrete shall conform to requirements in finish material specifications. Where vapor sensitive coverings are to be placed on slabs on grade, conform strictly to slab covering manufacturer's recommendations regarding vapor retarder and granular fill requirements below the slab.

GROUTING STEEL BASE PLATES
Nonshrink grout for base plates shall be an approved nonshrink cementitious grout containing natural aggregates delivered to the job site in factory prepackaged containers requiring only the addition of water. The minimum 28-day compressive strength shall be at least 6000 psi, UNO. Grouts shall meet ASTM C1107. Approved grouts include: Master Builders' "Master Flow 713", Sika Corporation's "Sikagrout 212", Burke Company's "Nonferrous Nonshrink Grout", W.R. Meadows CG-86 Construction Grade Grout, or approved equal. Grout shall be mixed, applied, and cured strictly in accordance with the manufacturer's published recommendations.

REINFORCEMENT IN CONCRETE

REINFORCING STEEL
Reinforcing steel shall conform to ASTM A615 (including supplement S1), Grade 60, Fy = 60,000 psi.

S:\2021\21-203-01 Scriber Lake Boardwalk Trail\Incoming Documents\Current Client Drawings\Archive\x_TB.dwg | 11/30/2022 3:05 PM | Hazel Ray

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH
AT FULL SIZE; IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

OWEN JOHN PAUL BOWER — STATE OF WASHINGTON — 49147 — REGISTERED PROFESSIONAL ENGINEER
12/08/2023

DESIGNED: N. HAEG	DRAWN: D. GENSON
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: O. BOWER
SCALE: AS NOTED	APPROVED: O. BOWER

SCRIBER LAKE PARK BOARDWALK
5601 198th ST SW
LYNNWOOD, WA 98036
STRUCTURAL GENERAL NOTES

DATE: 12/08/2023
PROJECT NO: 21-203-01
DRAWING NO: **S1.02**
SHEET NO: 25 OF 40

STRUCTURAL STEEL

REFERENCE STANDARDS
Steel construction shall conform to the latest editions of the AISC Specifications and Codes, "Specification for Structural Steel Buildings" ANSI/AISC 360, "Specification for Structural Joints Using High-Strength Bolts" AISC 348 and "Code of Standard Practice for Steel Buildings and Bridges" AISC 303 amended by the deletion of paragraph 4.4.1.

FABRICATORS
Fabricators for structural steel must have a quality assurance program in place. The quality assurance program must meet the requirements of one of the following methods:

- Registration in the Washington Association of Building Officials (WABO) Steel Fabricator Registration Program
- Participation in the AISC quality certification program, designated as an AISC Certified Plant, Category BU.
- Meeting the requirements of AISC 360 for structural steel buildings, appendix N and submitting plan documentation to the authority having jurisdiction, the Engineer of Record, and the Owner or Owner's designee. Quality assurance requirements of steel construction for wind and seismic (AISC 341, Chapter J) shall be included as requred in Special Inspection section of the general notes, where applicable.

Fabricator for structural steel must be registered and approved to perform work without special inspection. At completion of fabrication, the fabricator shall submit a certificate of compliance to the building official stating that the work was performed in accordance with the approved construction documents.

CORROSION CONTROL
All steel except piles and pile cap plates shall be zinc-plated (galvanized) by the hot-dipped galvanic method (or pre-approved equivalent), unless otherwise noted. Furthermore, any surface where the coating has been removed or damaged must be brushed and re-coated in clean, dry field conditions with an approved zinc-based anti-corrosion coating except where such area is to be encased in concrete.

STRUCTURAL STEEL MEMBERS
Structural Steel shall conform to the following requirements (unless otherwise shown on plans):

STRUCTURAL STEEL MEMBER SPECIFICATIONS TABLE

Type of Member	ASTM Specification	Fy
Rolled wide-flange shapes	A992	50 ksi
Square & rectangular HSS sections	A500, Grade B or C	46 ksi
Round HSS sections & steel piling	A500, Grade B	42 ksi
Steel pipes	A53, Grade B	35 ksi
Plates, channels, angles	A36, Grade 36	36 ksi
Threaded rods	A36	36 ksi
Welded threaded studs	A108	-
Anchor rods (hooked, headed, threaded & nutted)	F1554, Grade 36 (UNO)	36 ksi
Common bolts	A307, Grade A	-
Structural framing bolts	A325, Type 1	-
Twist-off type tension-control bolts	F1852 (A325, Type 1)	-
Hex nuts	A563	-
Flat circular washers	F436	-
Square or rectangular beveled washers	F436	-
Compressible-washer type direct-tension indicators	F959	-
Headed shear studs	A29	-

WELDING GALVANIZED STEEL
Welding of galvanized steel shall conform to AWS specification D-19.0. Welded areas of galvanized steel shall be touched up in conformance with ASTM A-780.

FIBERGLASS REINFORCED PLASTIC (FRP)

All FRP structural elements shall be designed by the supplier to meet the design requirements and dimensions specified in the Contract Documents.

The FRP grating and handrail elements shall be fastened to the structure as specified by the manufacturer.

TEMPORARY CONDITIONS

The Contractor is responsible for all means and methods for the construction of the structure. The pile supported structure has been designed to accommodate construction loads indicated below:

ASD Axial Load = 21 tons
ASD Lateral Load = 500 lbs
Allowable Eccentricity = 2' - 0" from CL of pile

Lund Opsahl has designed the steel piles and framing to accommodate an 18 ton hydraulic crawler crane (with full counterweight) along with a payload 4,500 lbs maximum pile. The concrete approach structure and deferred elements have not been designed for these temporary conditions.

The Contractor shall verify that the contract structure is adequate for the actual equipment live loads, material storage, and other construction loads, and shall provide calculations stamped by a licensed engineer registered in the State of Washington to be approved by Lund Opsahl prior to construction.

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

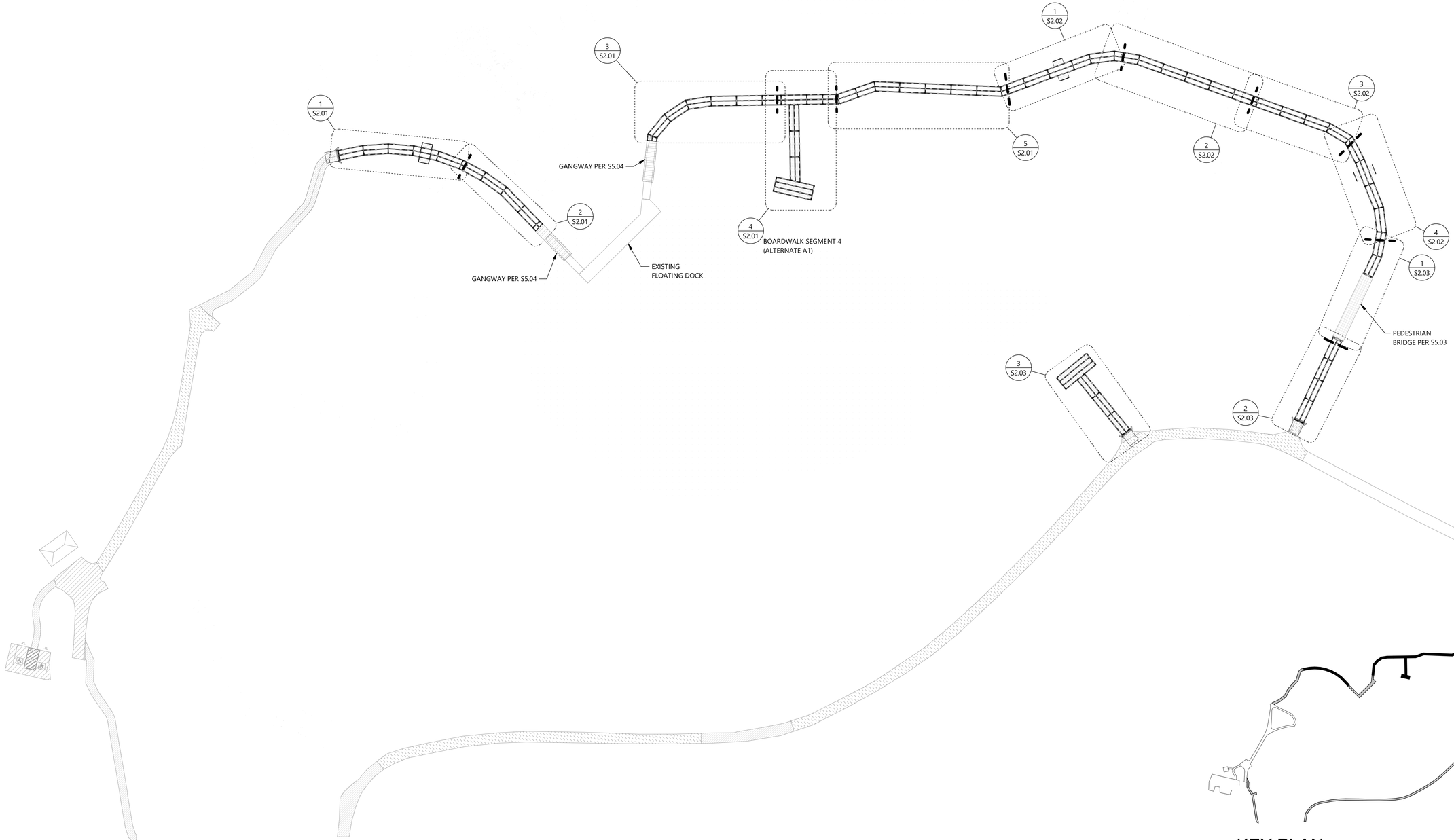
LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

STATE OF WASHINGTON
STEVEN JOHN PAUL BOWER
49147
REGISTERED PROFESSIONAL ENGINEER
12/08/2023

DESIGNED: N. HAEG	DRAWN: D. GENSON
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: O. BOWER
SCALE: AS NOTED	APPROVED: O. BOWER

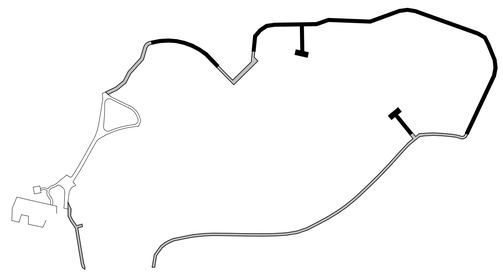
SCRIBER LAKE PARK BOARDWALK
5601 198th ST SW
LYNNWOOD, WA 98036
STRUCTURAL GENERAL NOTES

DATE: 12/08/2023
PROJECT NO: 21-203-01
DRAWING NO: **S1.03**
SHEET NO: 26 OF 40



North

1 OVERALL BOARDWALK PLAN
Scale: 1" = 40'-0"



KEY PLAN

S:\2021\21-203-01 Scriber Lake Boardwalk Trail\Incoming Documents\Current Client Drawings\Archive\x_TB.dwg | 11/30/2022 3:05 PM | Hazel Ray

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

OWEN JOHN PAUL BOWER
STATE OF WASHINGTON
49147
REGISTERED PROFESSIONAL ENGINEER
12/08/2023

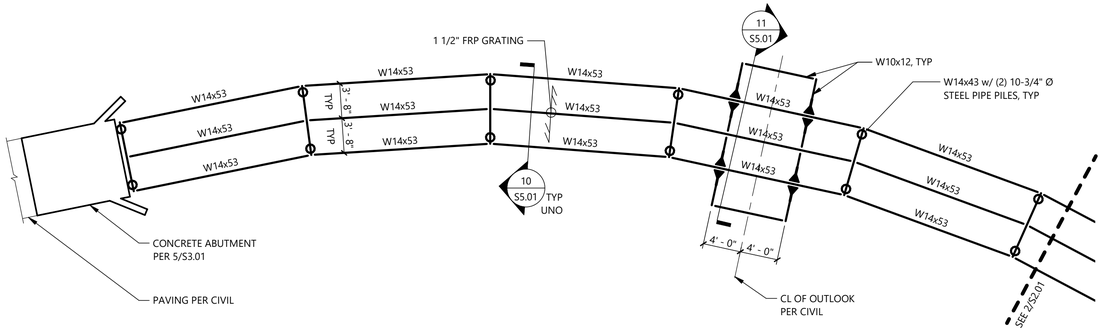
DESIGNED:	N. HAEG	DRAWN:	D. GENSON
DESIGNED:		DRAWN:	
DESIGNED:	-	CHECKED:	O. BOWER
SCALE:	AS NOTED	APPROVED:	O. BOWER

SCRIBER LAKE PARK BOARDWALK

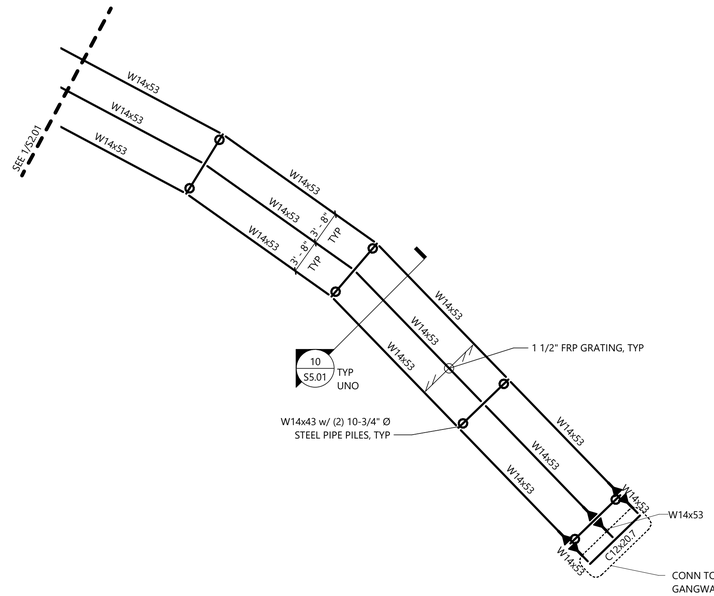
5601 198th ST SW
LYNNWOOD, WA 98036

OVERALL BOARDWALK PLAN

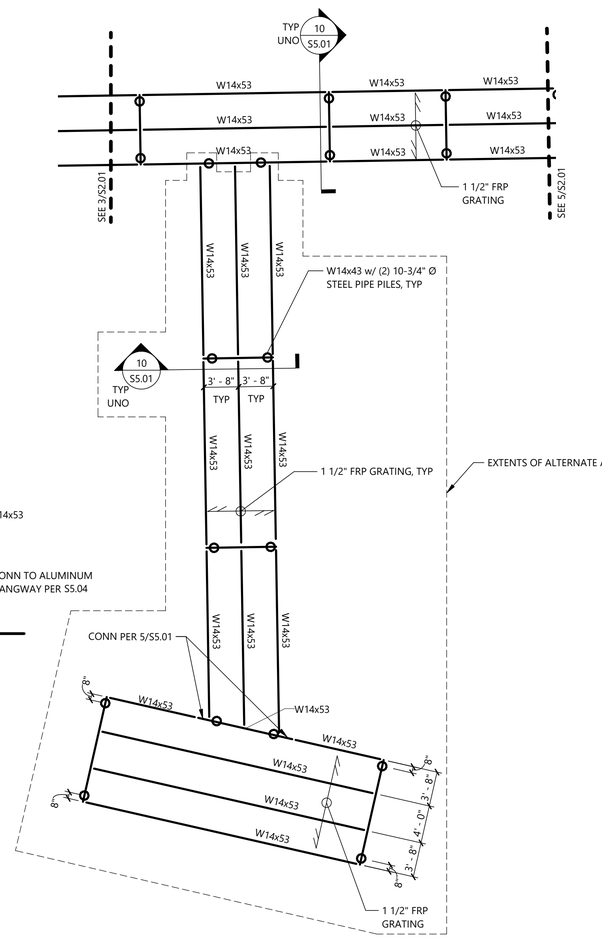
DATE:	12/08/2023
PROJECT NO:	21-203-01
DRAWING NO:	**S2.00**
SHEET NO:	27 OF 40



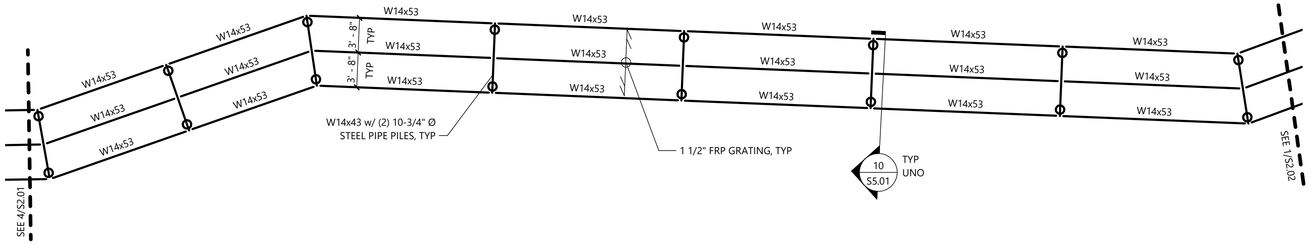
1 BOARDWALK SEGMENT 1
Scale: 1/8" = 1'-0"



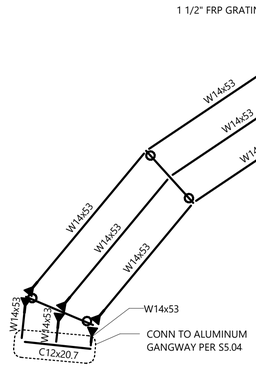
2 BOARDWALK SEGMENT 2
Scale: 1/8" = 1'-0"



4 BOARDWALK SEGMENT 4 (ALTERNATE A1)
Scale: 1/8" = 1'-0"



3 BOARDWALK SEGMENT 3
Scale: 1/8" = 1'-0"



5 BOARDWALK SEGMENT 5
Scale: 1/8" = 1'-0"

PLAN NOTES

1. GENERAL

1.1. REFERENCE FLOOR ELEVATION SHALL BE PER CIVIL, UNO.
ELEVATION AT TOP OF STEEL SHALL BE 1 1/2" BELOW TOP OF DECK, UNO.

1.2. REFER TO CIVIL DRAWINGS FOR BOARDWALK ALIGNMENT & DIMENSIONS NOT SHOWN.

1.3. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

1.4. EXISTING CONDITIONS ARE ASSUMED AND MUST BE VERIFIED BY THE CONTRACTOR. WHERE DISCOVERED CONDITIONS VARY FROM THOSE SHOWN ON PLANS, CONTRACTOR SHALL CONTACT THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.

2. PILES AND GRADE BEAMS

2.1. ALL STEEL PIPE PILES SHALL BE 10 3/4"Ø x 1/2" WALL THICKNESS w/ MINIMUM 25 TON CAPACITY.

2.2. ALL STEEL PIPE PILES SHALL BE CLOSED PER DETAIL S1/S5.01.

3. BOARDWALK FRAMING

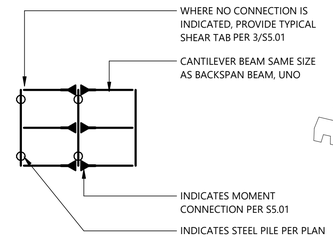
3.1. ALL STEEL BEAMS SHALL BE SPACED EQUALLY, UNO.

3.2. REFER TO TYPICAL STEEL FRAMING DETAILS.

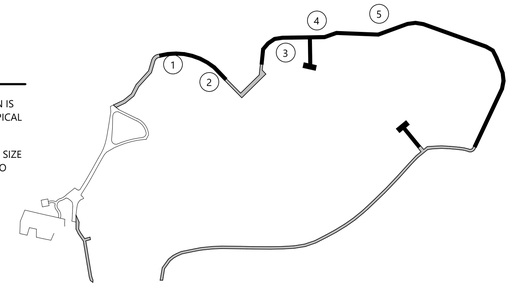
3.3. PROVIDE BRIDGING AT MIDSPAN BETWEEN EACH PILE GROUP PER 9/S5.01.

3.4. PROVIDE FRP HANDRAIL PER DETAIL 12/S5.02 WHERE REQUIRED BY CIVIL DRAWINGS. WHERE HANDRAIL IS NOT REQUIRED, PROVIDE FRP EDGE OF DECK RAIL PER DETAIL 9/S5.02.

LEGEND



KEY PLAN



No.	REVISION	BY	APP'D	DATE

BID SET

CALL 811 BEFORE YOU DIG

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

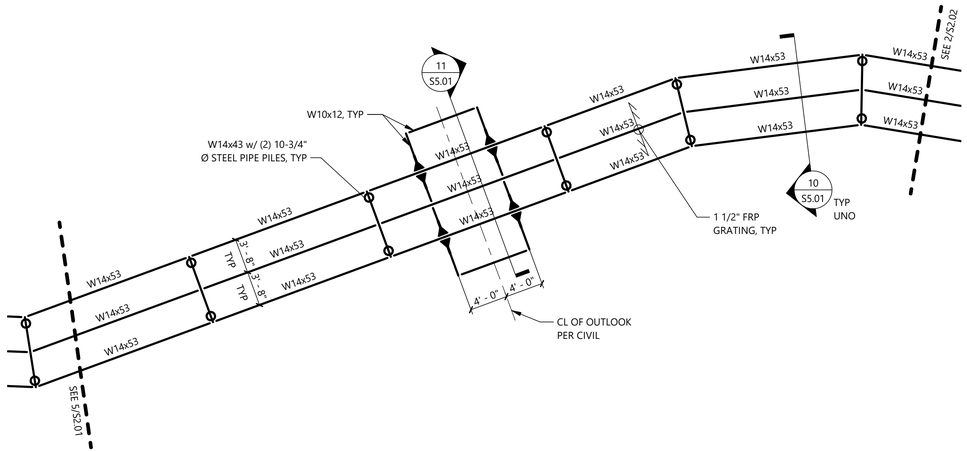
LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

OWEN JOHN PAUL BOWER
49147
STATE OF WASHINGTON
PROFESSIONAL ENGINEER
12/08/2023

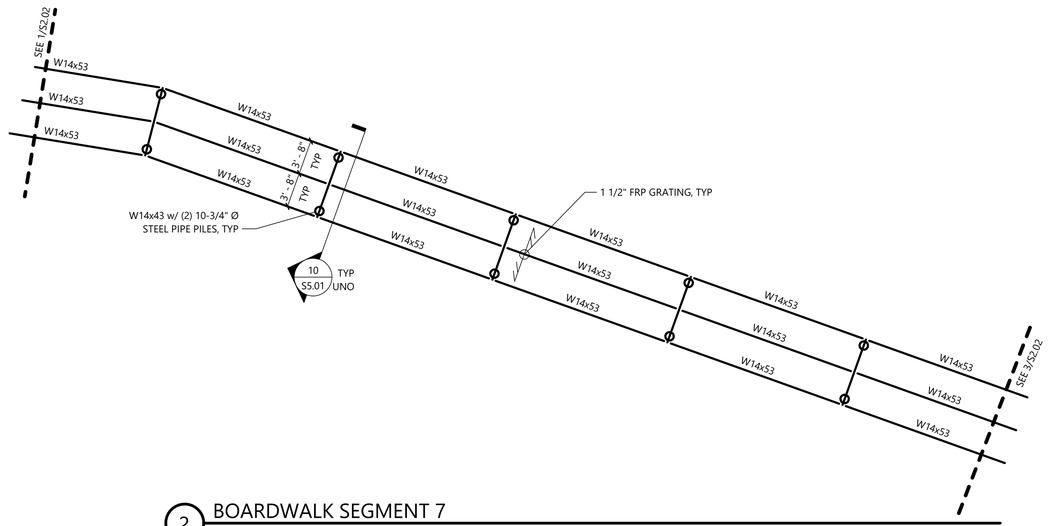
DESIGNED: N. HAEG	DRAWN: D. GENSON
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: O. BOWER
SCALE: AS NOTED	APPROVED: O. BOWER

SCRIBER LAKE PARK BOARDWALK
5601 198th ST SW
LYNNWOOD, WA 98036
BOARDWALK SEGMENTS

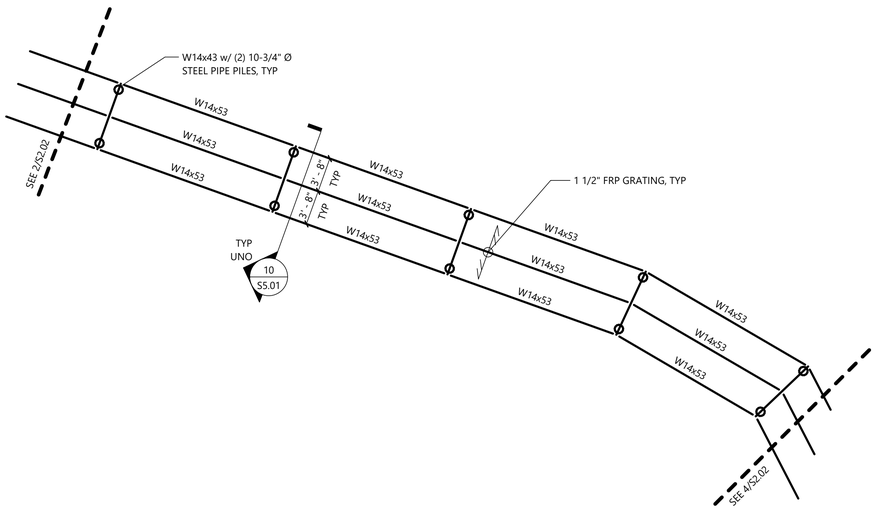
DATE: 12/08/2023
PROJECT NO: 21-203-01
DRAWING NO: **S2.01**
SHEET NO: 28 OF 40



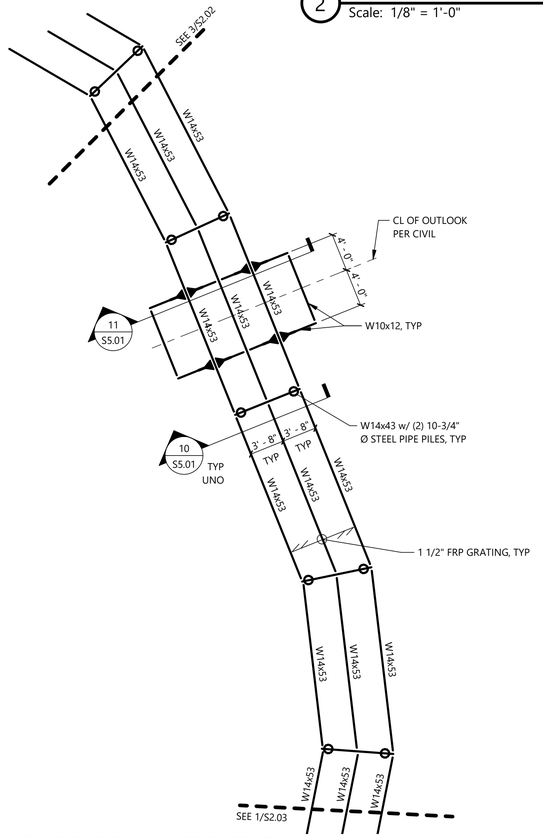
1 BOARDWALK SEGMENT 6
Scale: 1/8" = 1'-0"



2 BOARDWALK SEGMENT 7
Scale: 1/8" = 1'-0"



3 BOARDWALK SEGMENT 8
Scale: 1/8" = 1'-0"



4 BOARDWALK SEGMENT 9
Scale: 1/8" = 1'-0"

PLAN NOTES

1. GENERAL

1.1. REFERENCE FLOOR ELEVATION SHALL BE PER CIVIL, UNO.
ELEVATION AT TOP OF STEEL SHALL BE 1 1/2" BELOW TOP OF DECK, UNO.

1.2. REFER TO CIVIL DRAWINGS FOR BOARDWALK ALIGNMENT & DIMENSIONS NOT SHOWN.

1.3. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

1.4. EXISTING CONDITIONS ARE ASSUMED AND MUST BE VERIFIED BY THE CONTRACTOR. WHERE DISCOVERED CONDITIONS VARY FROM THOSE SHOWN ON PLANS, CONTRACTOR SHALL CONTACT THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.

2. PILES AND GRADE BEAMS

2.1. ALL STEEL PIPE PILES SHALL BE 10 3/4"Ø x 1/2" WALL THICKNESS w/ MINIMUM 25 TON CAPACITY.

2.2. ALL STEEL PIPE PILES SHALL BE CLOSED PER DETAIL S1/S5.01.

3. BOARDWALK FRAMING

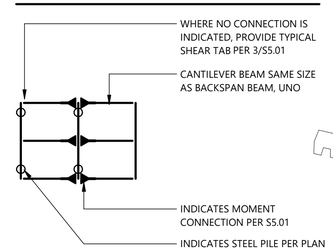
3.1. ALL STEEL BEAMS SHALL BE SPACED EQUALLY, UNO.

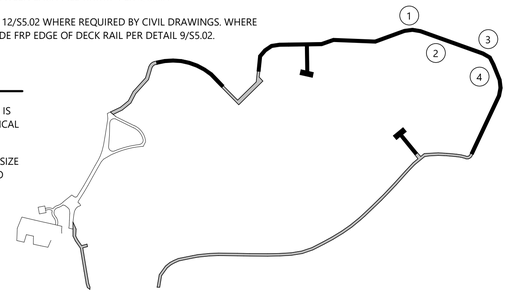
3.2. REFER TO TYPICAL STEEL FRAMING DETAILS.

3.3. PROVIDE BRIDGING AT MIDSPAN BETWEEN EACH PILE GROUP PER 9/S5.01.

3.4. PROVIDE FRP HANDRAIL PER DETAIL 12/S5.02 WHERE REQUIRED BY CIVIL DRAWINGS. WHERE HANDRAIL IS NOT REQUIRED, PROVIDE FRP EDGE OF DECK RAIL PER DETAIL 9/S5.02.

LEGEND





KEY PLAN

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

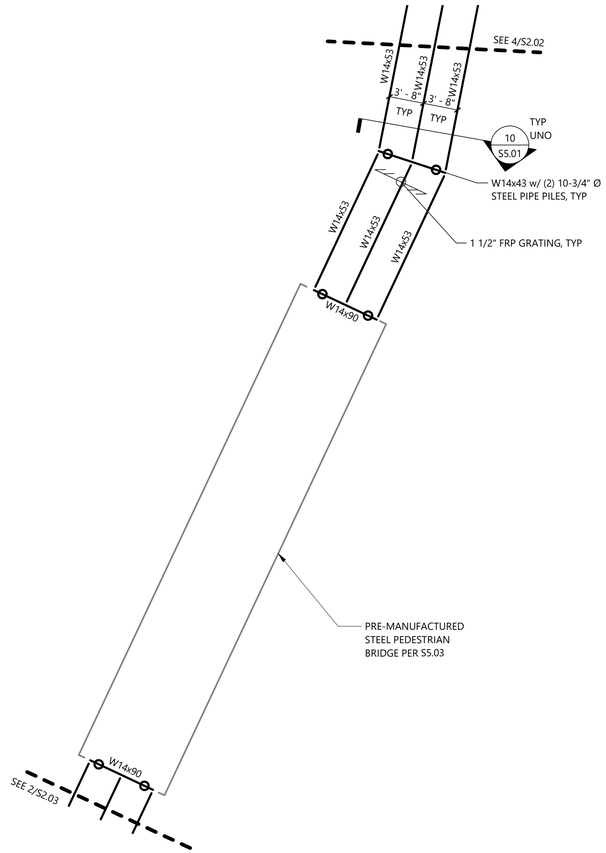
LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

OWEN JOHN PAUL BOWER
STATE OF WASHINGTON
49147
REGISTERED PROFESSIONAL ENGINEER
12/08/2023

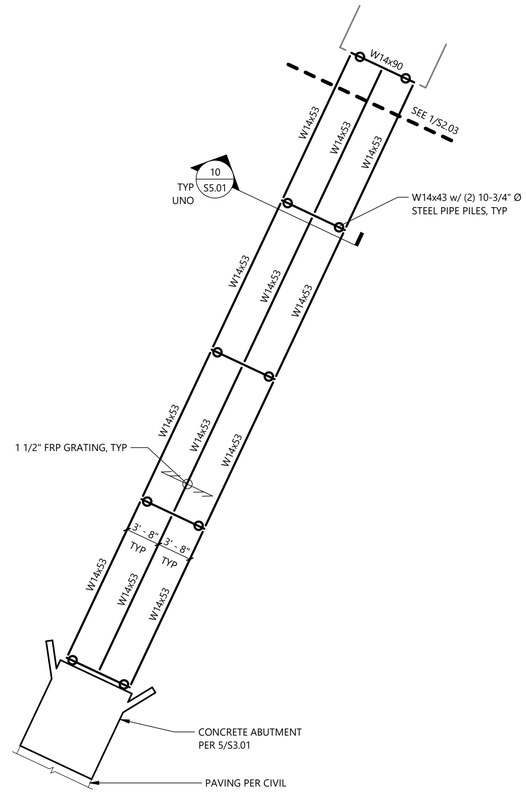
DESIGNED: N. HAEG	DRAWN: D. GENSON
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: O. BOWER
SCALE: AS NOTED	APPROVED: O. BOWER

SCRIBER LAKE PARK BOARDWALK
5601 198th ST SW
LYNNWOOD, WA 98036
BOARDWALK SEGMENTS

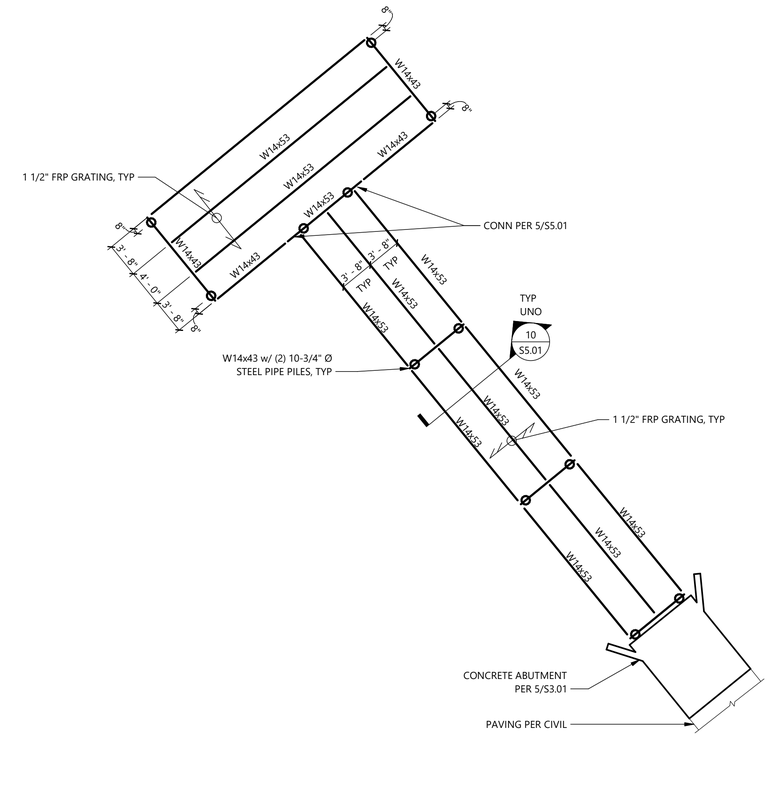
DATE: 12/08/2023
PROJECT NO: 21-203-01
DRAWING NO: **S2.02**
SHEET NO: 29 OF 40



1 BOARDWALK SEGMENT 10
Scale: 1/8" = 1'-0"



2 BOARDWALK SEGMENT 11
Scale: 1/8" = 1'-0"



3 BOARDWALK SEGMENT 12
Scale: 1/8" = 1'-0"

PLAN NOTES

1. GENERAL

1.1. REFERENCE FLOOR ELEVATION SHALL BE PER CIVIL, UNO.
ELEVATION AT TOP OF STEEL SHALL BE 1 1/2" BELOW TOP OF DECK, UNO.

1.2. REFER TO CIVIL DRAWINGS FOR BOARDWALK ALIGNMENT & DIMENSIONS NOT SHOWN.

1.3. REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

1.4. EXISTING CONDITIONS ARE ASSUMED AND MUST BE VERIFIED BY THE CONTRACTOR.
WHERE DISCOVERED CONDITIONS VARY FROM THOSE SHOWN ON PLANS, CONTRACTOR SHALL CONTACT THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.

2. PILES AND GRADE BEAMS

2.1. ALL STEEL PIPE PILES SHALL BE 10 3/4"Ø x 1/2" WALL THICKNESS w/ MINIMUM 25 TON CAPACITY.

2.2. ALL STEEL PIPE PILES SHALL BE CLOSED PER DETAIL S1/S5.01.

3. BOARDWALK FRAMING

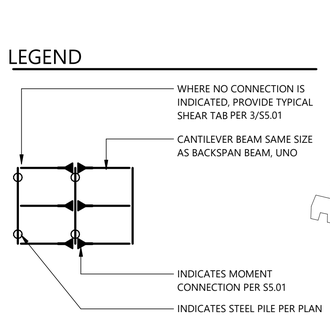
3.1. ALL STEEL BEAMS SHALL BE SPACED EQUALLY, UNO.

3.2. REFER TO TYPICAL STEEL FRAMING DETAILS.

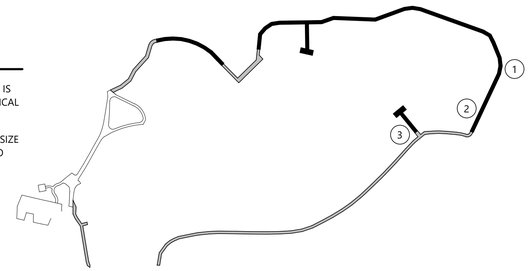
3.3. PROVIDE BRIDGING AT MIDSPAN BETWEEN EACH PILE GROUP PER 9/S5.01.

3.4. PROVIDE FRP HANDRAIL PER DETAIL 12/S5.02 WHERE REQUIRED BY CIVIL DRAWINGS. WHERE HANDRAIL IS NOT REQUIRED, PROVIDE FRP EDGE OF DECK RAIL PER DETAIL 9/S5.02.

LEGEND



KEY PLAN



CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

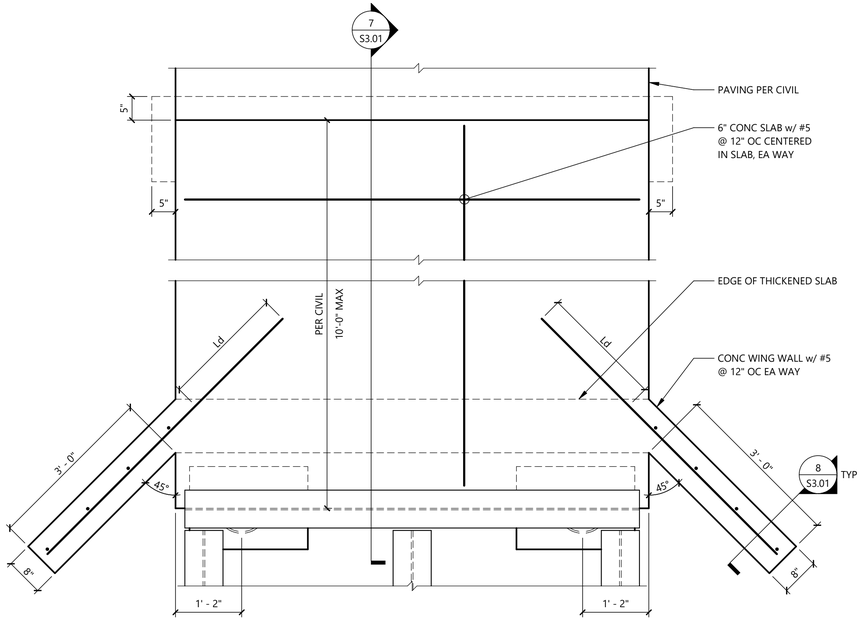
LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

OWEN JOHN PAUL BOWER
STATE OF WASHINGTON
49147
REGISTERED PROFESSIONAL ENGINEER
12/08/2023

DESIGNED: N. HAEG	DRAWN: D. GENSON		
DESIGNED:	DRAWN:		
DESIGNED: -	CHECKED: O. BOWER		
SCALE: AS NOTED	APPROVED: O. BOWER		

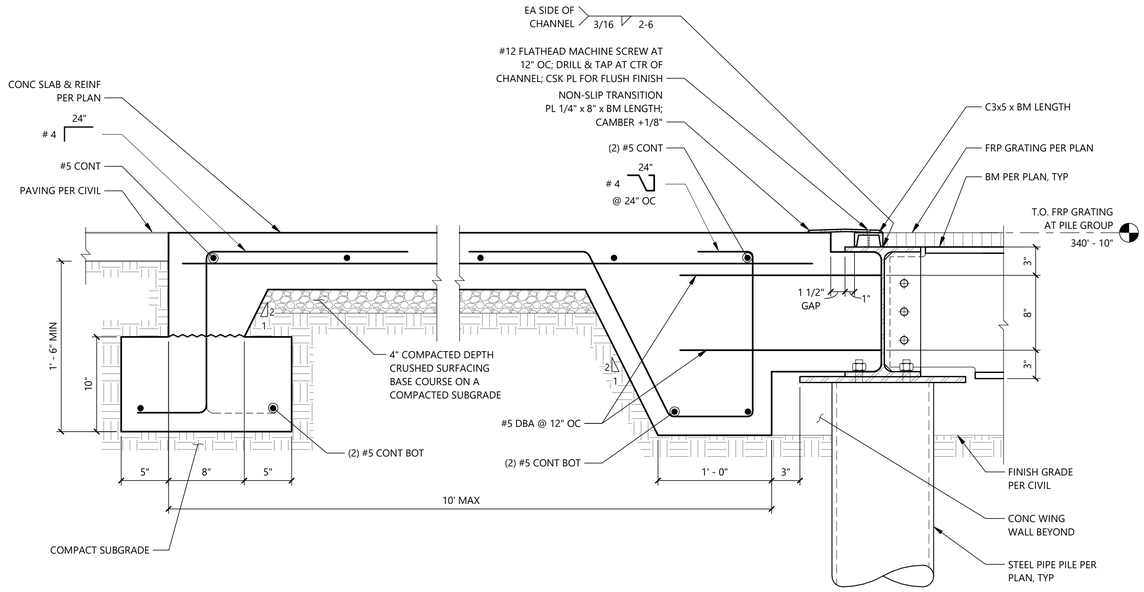
SCRIBER LAKE PARK BOARDWALK
5601 198th ST SW
LYNNWOOD, WA 98036
BOARDWALK SEGMENTS

DATE: 12/08/2023
PROJECT NO: 21-203-01
DRAWING NO: **S2.03**
SHEET NO: 30 OF 40

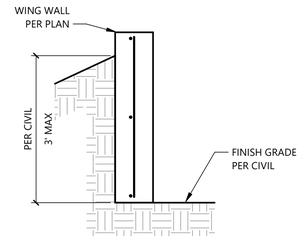


NOTES:
1. FRP GRATING AND TRANSITION PLATE NOT SHOWN FOR CLARITY

5 TYPICAL CONCRETE ABUTMENT PARTIAL PLAN
Scale: 3/4" = 1'-0"

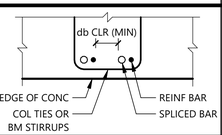
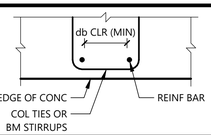
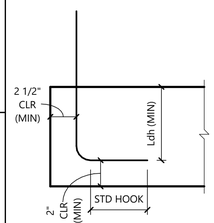
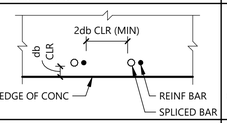
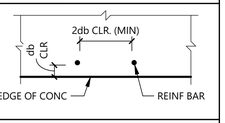


7 TYPICAL CONCRETE ABUTMENT APPROACH SLAB
Scale: 1 1/2" = 1'-0"



8 TYPICAL ABUTMENT WING WALL
Scale: 3/4" = 1'-0"

REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH DIAGRAMS
The following conditions must be met in order to use the Reinforcing Bar Lap Splice & Development Length Tables

	LAP SPLICES	STRAIGHT BAR DEVELOPMENT	HOOKED BAR DEVELOPMENT
CLASS 1: Bars enclosed by column ties or beam stirrups			
CLASS 2: No enclosure			
Where conditions for Classes 1 & 2 are not met	Multiply lengths shown in schedule by 1.5	Multiply lengths shown in schedule by 1.5	

Notes:
1. All bars shall be developed & all splices lapped per ACE 318 for tension, uno. Table may be used where conditions meet criteria noted in diagrams.
2. Tables are applicable for normal weight concrete, only.
3. Top bars are horizontal bars with more than 12" depth of concrete cast below them. (wall horizontal reinforcement is exempt).
4. Where bars of different size are lap spliced, splice length shall be the larger of:
   a. Developed length of larger bar
   b. Splice length of smaller bar
5. Where minimum straight bar development length cannot be achieved, use with standard hook.
6. Refer to concrete cover table for minimum concrete cover requirements.

9 REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH TABLES
Scale: 1 1/2" = 1'-0"

REINFORCING BAR LAP SPLICE & DEVELOPMENT LENGTH TABLE
f'c = 4,000 psi Grade 60 Reinforcing

Bar Size	Min Lap Splice Lengths (Ls)		Min Straight Bar Development Lengths (Ld)		Min Hooked Bar Embedment Lengths (Ldh)
	Top Bars	Other Bars	Top Bars	Other Bars	
#3	25"	19"	19"	15"	8"
#4	32"	25"	25"	19"	10"
#5	41"	31"	31"	24"	12"
#6	49"	37"	37"	29"	15"
#7	71"	54"	54"	42"	17"
#8	81"	62"	62"	48"	19"
#9	91"	70"	70"	54"	22"
#10	102"	79"	79"	61"	25"
#11	114"	87"	87"	67"	27"

CONCRETE COVER FOR REINFORCING STEEL

Reinforcing Bar Location	Minimum Concrete Cover
Unformed surfaces cast against and permanently exposed to earth	3"
Formed surfaces exposed to earth or weather (#6 bars and larger)	2"
Formed surfaces exposed to earth or weather (#5 bars and smaller)	1 1/2"
Columns and beams w/ bars enclosed in stirrups, ties or spiral reinforcement	1 1/2"
Slabs, joists and interior faces of walls (#11 bars and smaller)	3/4"
2-hour and 3-hour slabs	(Refer to plan notes)
Clear spacing between longitudinal bars in columns and boundary elements	1 1/2" or 1.5db
Clear spacing between parallel bars in a layer	1" or db
Clear spacing between (2) or more parallel layers	1"

Notes:
1. Where a thickness of cover required for fire protection is greater than that specified in this table, the greater thickness shall be used.
2. Where two values are shown, the greater shall be used.

12 CONCRETE COVER FOR REINFORCING STEEL
Scale: 3/4" = 1'-0"

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH — AT FULL SIZE; IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
a great deal more

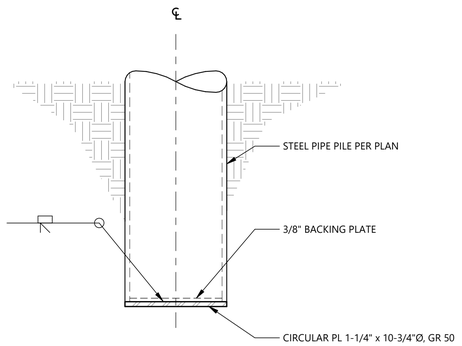
LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

OWEN JOHN PAUL BOWER — STATE OF WASHINGTON — 49147 — REGISTERED PROFESSIONAL ENGINEER — 12/08/2023

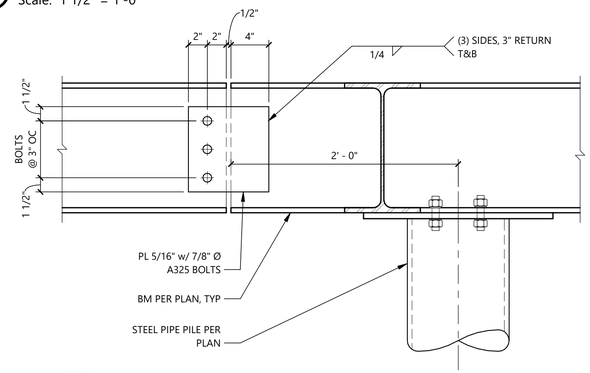
DESIGNED: N. HAEG	DRAWN: D. GENSON	DATE: 12/08/2023	
DESIGNED:	DRAWN:	PROJECT NO: 21-203-01	
DESIGNED: -	CHECKED: O. BOWER	DRAWING NO: **S3.01**	
SCALE: AS NOTED	APPROVED: O. BOWER	SHEET NO: 31 OF 40	

SCRIBER LAKE PARK BOARDWALK
5601 198th ST SW
LYNNWOOD, WA 98036
STRUCTURAL CONCRETE DETAILS

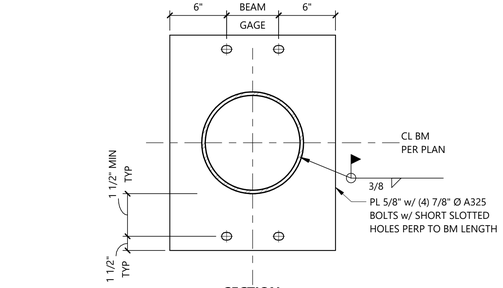
S:\2021\21-203-01 Scriber Lake Boardwalk Trail\Incoming Documents\Current Client Drawings\Archive\x_TB.dwg | 11/30/2022 3:05 PM | Hazel Ray



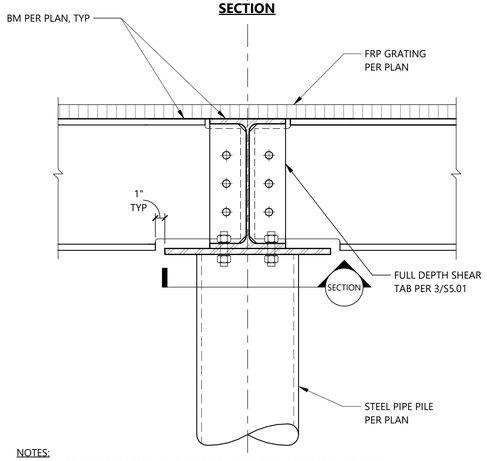
1 TYPICAL CLOSED END PILE DETAIL
Scale: 1 1/2" = 1'-0"



NOTES:
1. ALL BOLTED CONNECTIONS SHALL BE INSPECTED PER IBC 1705.12.1



SECTION

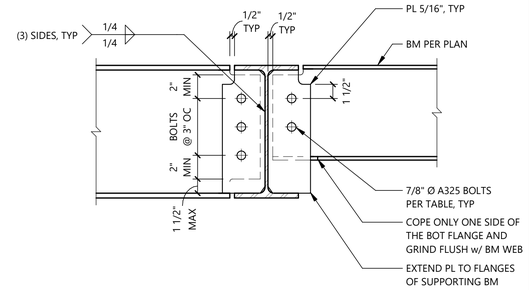


NOTES:
1. PROVIDE SHORT SLOTTED HOLES IN BEAM ORIENTED ALONG BEAM LENGTH.
2. ALL BOLTED CONNECTIONS SHALL BE INSPECTED PER IBC 1705.12.1

BEAM SHEAR TAB CONNECTION TABLE

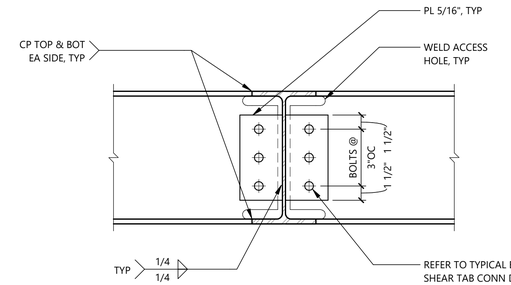
Beam Size		Required Number of 7/8" Diameter A325 Bolts
Wide Flange	Channel	
W8, W10	C10	2
W12, W14	C12	3

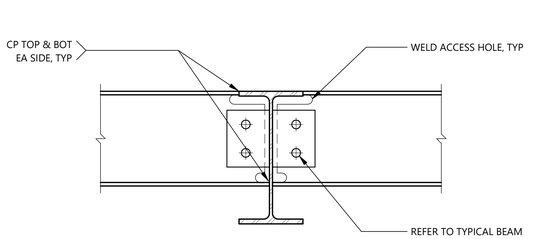
NOTES:
1. SEE LEGEND SHOWN ON PLANS FOR BEAM CONNECTION DESIGNATIONS
2. SEE PLANS FOR BEAM SIZES AND SPECIAL CONNECTIONS WHERE NOTED
3. HORIZONTAL SHORT SLOTTED HOLES (SSL) MAY BE USED IN SHEAR TABS AT CONTRACTORS OPTION, UNO
4. ALL BOLTED CONNECTIONS SHALL BE INSPECTED PER IBC 1705.12.1



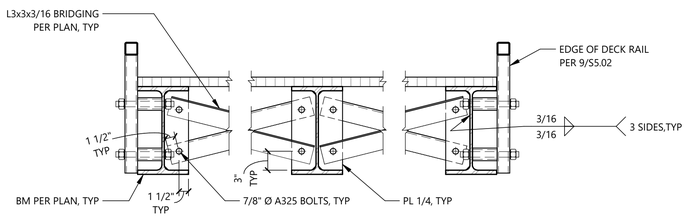
SINGLE PLATE BEAM TO BEAM CONNECTION

3 TYPICAL BEAM SHEAR TAB CONNECTION
Scale: 1 1/2" = 1'-0"

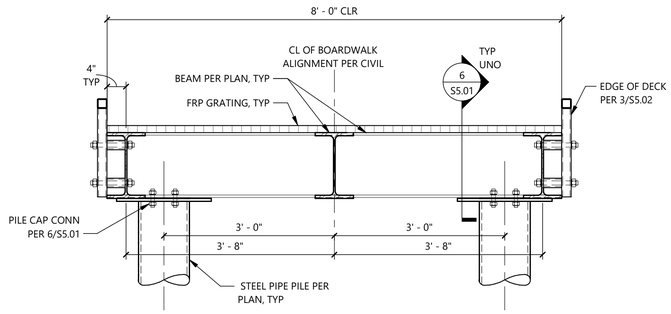




5 BEAM END-TO-END SHEAR TAB CONNECTION
Scale: 1 1/2" = 1'-0"

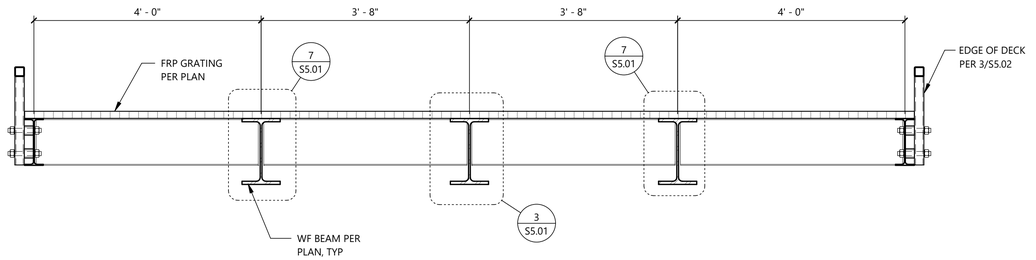


6 TYPICAL VERTICAL PILE CONNECTION
Scale: 1 1/2" = 1'-0"



NOTES:
1. SEE 5/S5.01 FOR WIDE FLANGE TO WIDE FLANGE SHEAR TAB CONNECTIONS.

7 TYPICAL BEAM TO BEAM MOMENT CONNECTION
Scale: 1 1/2" = 1'-0"



9 TYPICAL BRIDGING
Scale: 1" = 1'-0"

10 TYPICAL BOARDWALK SECTION
Scale: 3/4" = 1'-0"

11 TYPICAL SECTION AT STEP OUTS
Scale: 3/4" = 1'-0"

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
a great deal more

LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

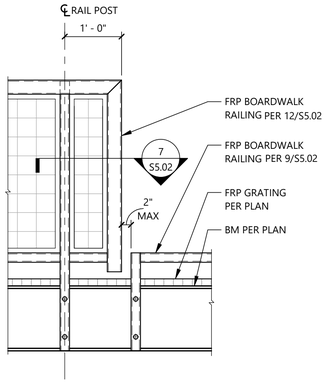
OWEN JOHN PAUL BOWER
STATE OF WASHINGTON
49147
REGISTERED PROFESSIONAL ENGINEER
12/08/2023

DESIGNED:	DRAWN:
N. HAEG	D. GENSON
DESIGNED:	DRAWN:
DESIGNED:	CHECKED:
-	O. BOWER
SCALE:	APPROVED:
AS NOTED	O. BOWER

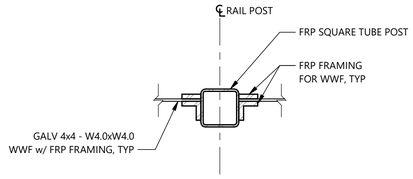
SCRIBER LAKE PARK BOARDWALK
5601 198th ST SW
LYNNWOOD, WA 98036
BOARDWALK FRAMING DETAILS

DATE: 12/08/2023
PROJECT NO: 21-203-01
DRAWING NO: **S5.01**
SHEET NO: 32 OF 40

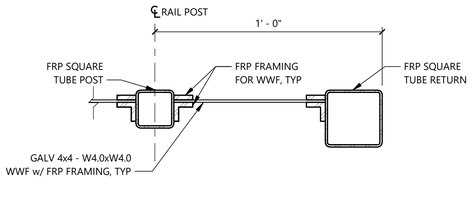
S:\2021\21-203-01 Scriber Lake Boardwalk Trail\Incoming Documents\Current Client Drawings\Archivek_TB.dwg | 11/30/2022 3:05 PM | Hazel Ray



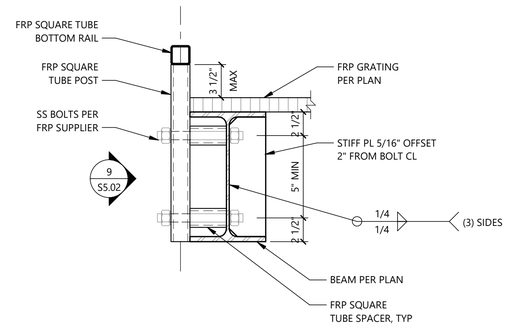
5 TYPICAL FRP HANDRAIL TERMINATION
Scale: 3/4" = 1'-0"



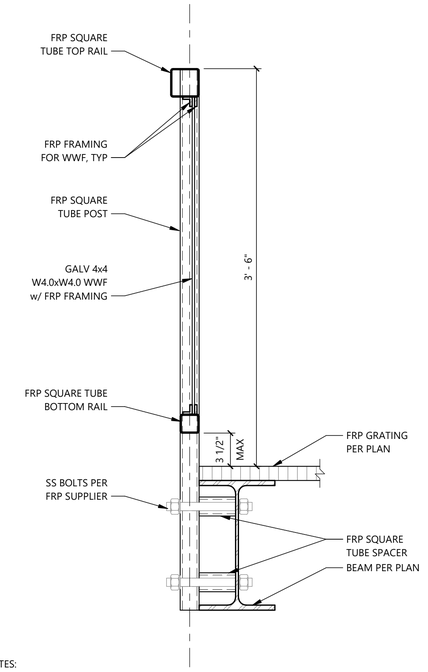
6 TYPICAL FRP HANDRAIL POST
Scale: 3" = 1'-0"



7 END OF FRP HANDRAIL DETAIL
Scale: 3" = 1'-0"



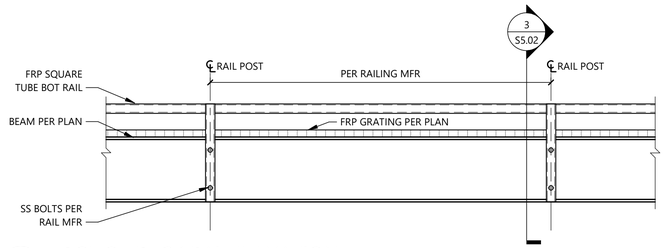
3 EDGE OF DECK RAIL SECTION
Scale: 1 1/2" = 1'-0"



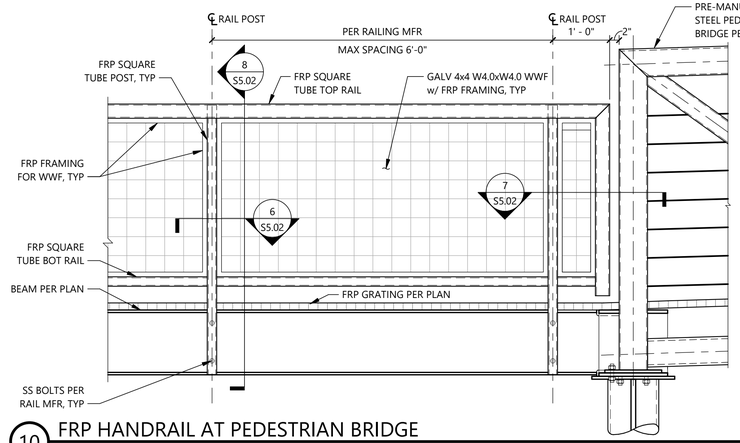
NOTES:

1. SEE 3/S5.02 FOR INFORMATION NOT SHOWN

8 FRP HANDRAIL SECTION
Scale: 1 1/2" = 1'-0"



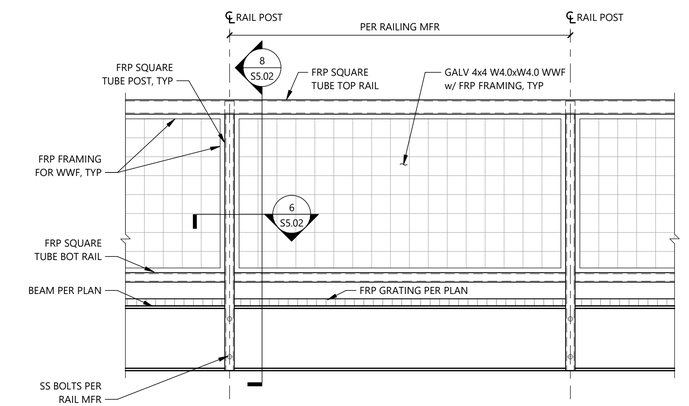
9 EDGE OF DECK RAIL ELEVATION
Scale: 3/4" = 1'-0"



10 FRP HANDRAIL AT PEDESTRIAN BRIDGE
Scale: 3/4" = 1'-0"

NOTES:

1. RAILING DETAILS SHOWN ON THIS SHEET ARE CONCEPTUAL ONLY. THE FRP SUPPLIER IS RESPONSIBLE FOR DESIGNING, DETAILING, AND FABRICATING ALL RAIL COMPONENTS. INCLUDING THE FRP FRAMING FOR THE WELDED WIRE FABRIC PANELS.
2. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL RAIL COMPONENTS DESIGNED, DETAILED, AND FABRICATED BY THE FRP MANUFACTURER.
3. THE CONTRACTOR IS RESPONSIBLE FOR DETAILING, PURCHASING, AND INSTALLING THE GALVANIZED WELDED WIRE FABRIC PANELS.



12 TYPICAL FRP HANDRAIL
Scale: 3/4" = 1'-0"

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

OWEN JOHN PAUL BOWER
STATE OF WASHINGTON
49147
PROFESSIONAL ENGINEER
12/08/2023

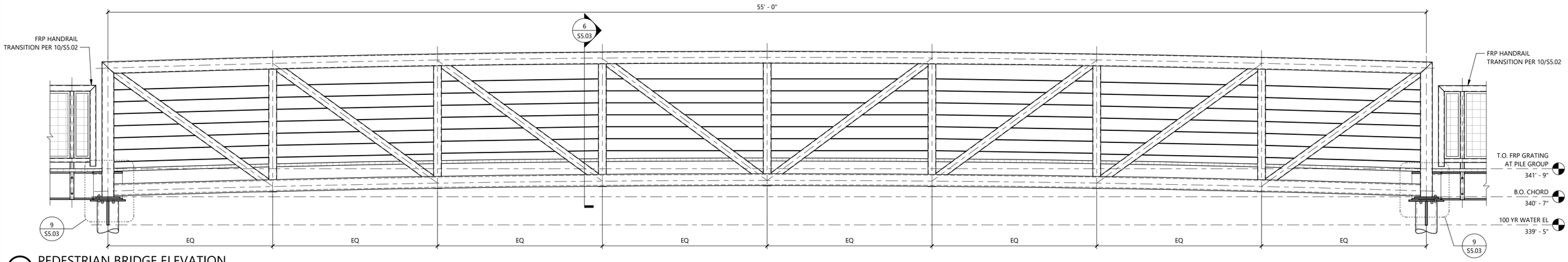
DESIGNED: N. HAEG	DRAWN: D. GENSON
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: O. BOWER
SCALE: AS NOTED	APPROVED: O. BOWER

SCRIBER LAKE PARK BOARDWALK

5601 198th ST SW
LYNNWOOD, WA 98036

FRP BOARDWALK RAILING DETAILS

DATE:	12/08/2023
PROJECT NO:	21-203-01
DRAWING NO:	**S5.02**
SHEET NO:	33 OF 40



1 PEDESTRIAN BRIDGE ELEVATION

Scale: 1/2" = 1'-0"

NOTE:

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2023 AND PROVISIONS.

2. PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE SHALL MEET THE FOLLOWING LIVE LOAD REQUIREMENTS:

PEDESTRIAN LIVE LOAD:	100 PSF
SNOW LOAD:	25 PSF
LIVE LOAD DEFLECTION:	SPAN/360
RAIL SYSTEM:	50 PLF OR 200 LB CONCENTRATED
FUNDAMENTAL FREQ:	>3 Hz VERT, >1.3 Hz LATERAL

3. BRIDGE MANUFACTURER SHALL FURNISH A PREMANUFACTURED BRIDGE SYSTEM, STAMPED STRUCTURAL DRAWINGS, DETAILS AND STAMPED STRUCTURAL CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON.

4. BRIDGE SHALL BE UNPAINTED WEATHERING STEEL FABRICATED FROM HIGH STRENGTH, LOW ALLOY, ATMOSPHERIC CORROSION RESISTANT ASTM A847 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING AND / OR ASTM A588, OR ASTM A242, ASTM A606 PLATE AND STRUCTURAL STEEL SHAPES (Fy=50,000 psi).

5. FOR SEISMIC DESIGN CRITERIA SEE GENERAL NOTES ON DRAWINGS S1.02.

6. ALL PLAN DIMENSIONS REFLECT THE GEOMETRIC SHAPE AND LOCATION OF ALL ELEMENTS AT A MEAN TEMPERATURE OF 64 DEGREES FAHRENHEIT.

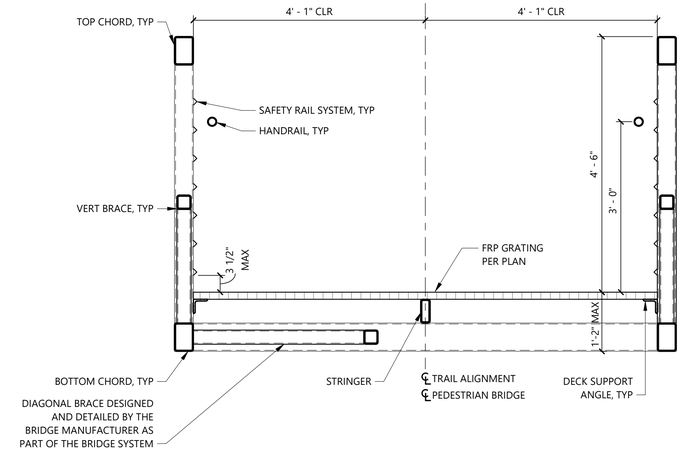
7. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

8. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL, UNLESS OTHERWISE SHOWN.

9. EACH END OF THE PEDESTRIAN BRIDGE SHALL BE PINNED WITH NO EXPANSION JOINT. THE PEDESTRIAN BRIDGE SHALL BE DESIGNED TO WITHSTAND THE INDUCED FORCES CAUSED BY ± 3/4" OF THERMAL EXPANSION/CONTRACTION.

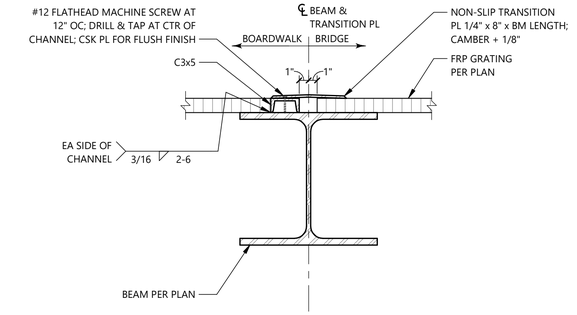
10. THE BRIDGE MANUFACTURER IS REQUIRED TO PROVIDE THE SAME FRP GRATING AS THE BOARDWALK.

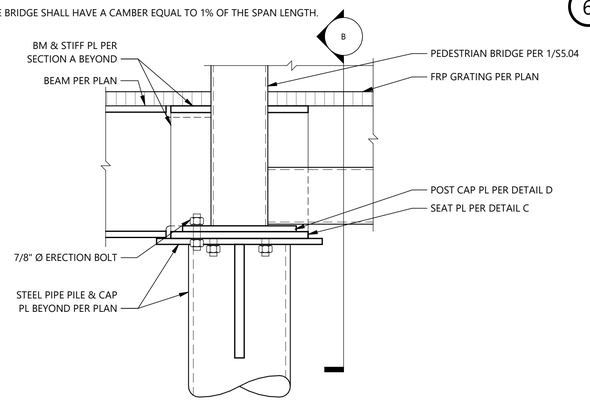
11. THE BRIDGE SHALL HAVE A CAMBER EQUAL TO 1% OF THE SPAN LENGTH.



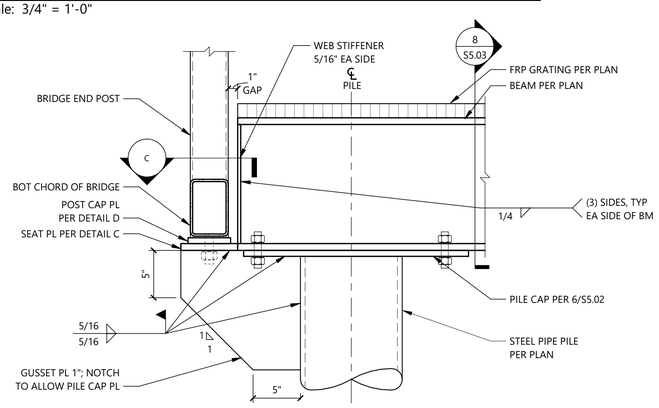
6 PEDESTRIAN BRIDGE SECTION

Scale: 3/4" = 1'-0"

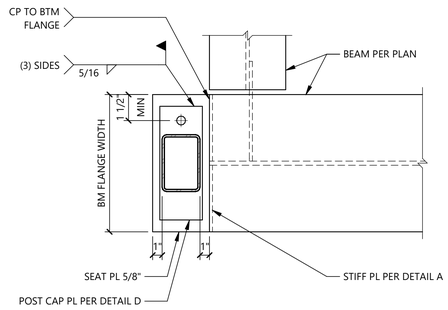




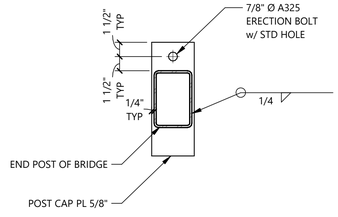
DETAIL A
ELEVATION PARALLEL TO BOARDWALK



DETAIL B
SECTION PARALLEL TO BOARDWALK



DETAIL C
BEARING SEAT PLAN VIEW



DETAIL D
POST CAP PLATE

8 FRP GRATING JOINT AT PEDESTRIAN BRIDGE

Scale: 1 1/2" = 1'-0"

9 PEDESTRIAN BRIDGE BEARING SEAT

Scale: 1 1/2" = 1'-0"

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

OWEN JOHN PAUL BOWER
STATE OF WASHINGTON
49147
REGISTERED
PROFESSIONAL ENGINEER
12/08/2023

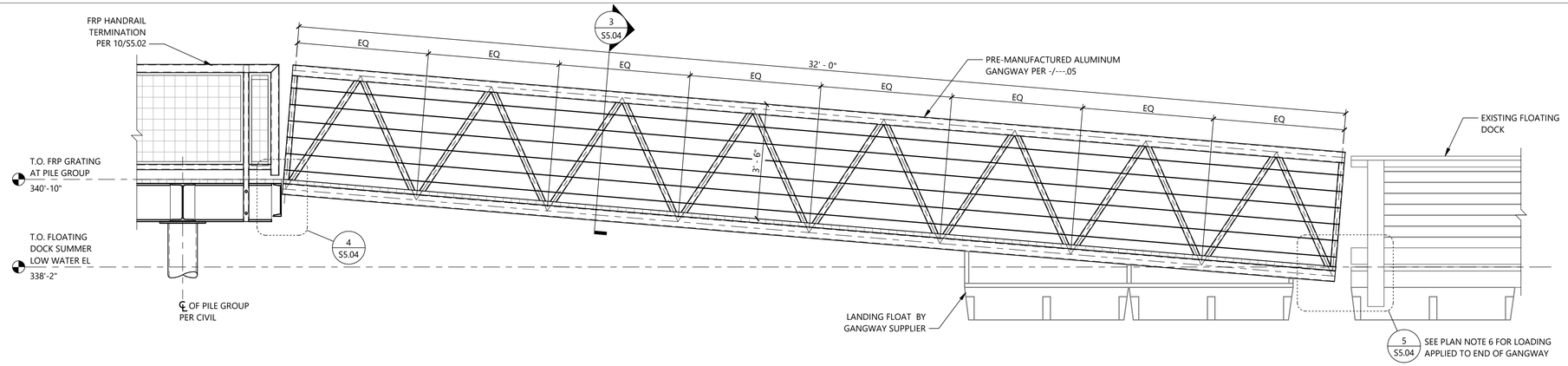
DESIGNED: N. HAEG	DRAWN: D. GENSON
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: O. BOWER
SCALE: AS NOTED	APPROVED: O. BOWER

SCRIBER LAKE PARK BOARDWALK

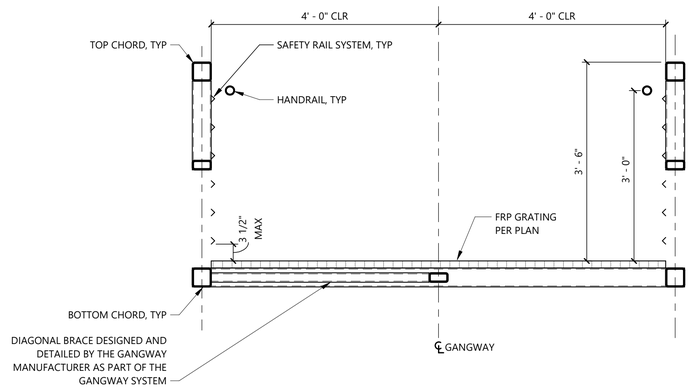
5601 198th ST SW
LYNNWOOD, WA 98036

PRE-MANUFACTURED STEEL PEDESTRIAN BRIDGE DETAILS

DATE:	12/08/2023
PROJECT NO:	21-203-01
DRAWING NO:	S5.03
SHEET NO:	34 OF 40



1 ELEVATION AT PRE-MANUFACTURED ALUMINUM GANGWAY
Scale: 1/2" = 1'-0"



3 GANGWAY SECTION
Scale: 3/4" = 1'-0"

NOTES:
1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2022 AND PROVISIONS.

2. PREFABRICATED ALUMINUM GANGWAY SHALL MEET THE FOLLOWING LIVE LOAD REQUIREMENTS:
   - PEDESTRIAN LIVE LOAD: 100 PSF
   - SNOW LOAD: 25 PSF
   - LIVE LOAD DEFLECTION: SPAN/360
   - RAIL SYSTEM: 50 PLF OR 200 LB CONCENTRATED
   - FUNDAMENTAL FREQ: >3 Hz VERT, >1.3 Hz LATERAL

3. GANGWAY MANUFACTURER SHALL FURNISH A PREMANUFACTURED GANGWAY SYSTEM, STAMPED STRUCTURAL DRAWINGS, DETAILS AND STAMPED STRUCTURAL CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON.

4. ALL ALUMINUM EXTRUSIONS FOR THE GANGWAY STRUCTURE SHALL BE 6000 SERIES ALUMINUM EXTRUDED IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE SECTIONS OF FEDERAL SPECIFICATION QQ-A200.

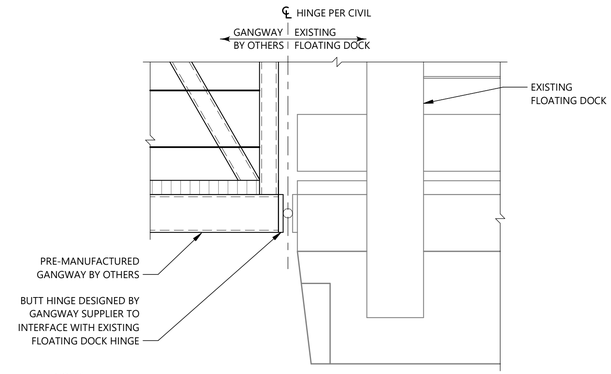
5. CONNECTIONS SHALL BE ALUMINUM OR STAINLESS STEEL AND DESIGNED SO UNITS MAY BE DISCONNECTED AND MOVED.

6. THE GANGWAY SHALL BE DESIGNED TO TRANSFER THE FOLLOWING LATERAL FORCES TO THE BOARDWALK STRUCTURE:

   WIND LOADS ACTING ON THE GANGWAY, LANDING FLOAT, AND EXISTING FLOATING DOCK PER AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2015 INTERIM REVISION.

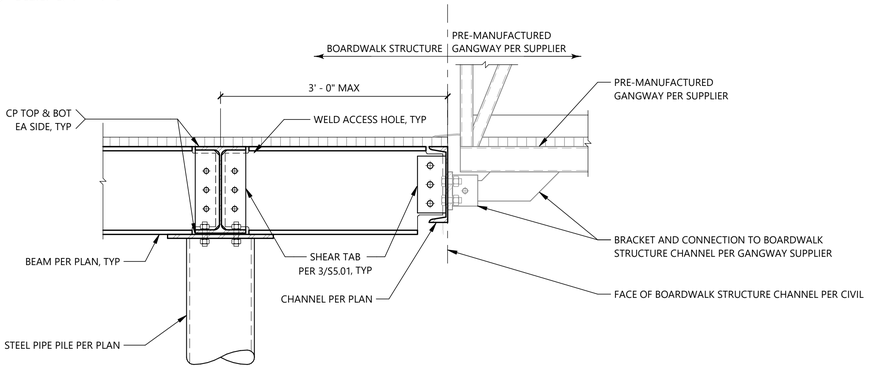
   HYDRAULIC LOAD OF 1 KIP OUT-OF-PLANE AND 2 KIPS IN-PLANE APPLIED AT THE END OF THE GANGWAY.

7. THE GANGWAY MANUFACTURER IS REQUIRED TO PROVIDE THE SAME FRP GRATING AS THE BOARDWALK.



NOTES:
1. GC SHALL FIELD VERIFY DIMENSIONS OF EXISTING FLOATING DOCK HINGE.
FOR BIDDING PURPOSES, ASSUME (2) STEEL BUTT HINGES WITH 3/4" Ø PINS.

5 GANGWAY TO EXISTING FLOATING DOCK
Scale: 1 1/2" = 1'-0"



NOTES:
1. REFER TO TYPICAL SHEAR TAB CONNECTION DETAIL FOR ADDITIONAL REQUIREMENTS.
2. THIS DETAIL APPLIES TO GRAVITY CONNECTIONS ONLY.

4 TRANSITION TO FLOATING DOCK GANGWAY
Scale: 1" = 1'-0"

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
A great deal more

LUND OPSAHL
1201 First Avenue South, Suite 3
Seattle, Washington 9813
206-402-5156 www.lundopsahl.co

OWEN JOHN PAUL BOWER
STATE OF WASHINGTON
49147
PROFESSIONAL ENGINEER
12/08/2023

DESIGNED: N. HAEG	DRAWN: D. GENSON
DESIGNED:	DRAWN:
DESIGNED: -	CHECKED: O. BOWER
SCALE: AS NOTED	APPROVED: O. BOWER

SCRIBER LAKE PARK BOARDWALK

5601 198th ST SW
LYNNWOOD, WA 98036

PRE-MANUFACTURED ALUMINUM GANGWAY & LANDING FLOAT DETAILS

DATE: 12/08/2023
PROJECT NO: 21-203-01
DRAWING NO: **S5.04**
SHEET NO: 35 OF 40

S:\2021\21-203-01 Scriber Lake Boardwalk Trail\Incoming Documents\Current Client Drawings\Archive\x_TB.dwg | 11/30/2022 3:05 PM | Hazel Ray

196TH STREET SW

MITIGATION PLANTING AREA 7 — 7 / L2.20

2 FEET ON EITHER SIDE OF NEW TRAIL SHALL BE RESTORED WITH ARBORIST WOOD CHIP MULCH AT A 3 INCH DEPTH

1 FOOT ON EITHER SIDE OF RESURFACED TRAIL SHALL BE RESTORED WITH ARBORIST WOOD CHIP MULCH AT A 3 INCH DEPTH

SEEDED LAWN INSTALLATION TO LIMITS OF DISTURBANCE, TYP.

PROVIDE TOPSOIL BACK FILL WITH ARBORIST WOOD CHIP MULCH LAYER ON TOP AT A 3 INCH DEPTH TO LIMITS OF DISTURBANCE BEHIND NEW EXTRUDED CURB

1 / L2.10 MITIGATION PLANTING AREA 1

ARBORIST WOOD CHIP MULCH AT A 3 INCH DEPTH

SEEDED LAWN INSTALLATION TO LIMITS OF DISTURBANCE, TYP.

SEEDED LAWN INSTALLATION TO LIMITS OF DISTURBANCE, TYP.

SEEDED LAWN INSTALLATION TO LIMITS OF DISTURBANCE, TYP.

5 / L2.20 MITIGATION PLANTING AREA 5

6 / L2.30 MITIGATION PLANTING AREA 6

2 / L2.10 MITIGATION PLANTING AREA 2

3 / L2.10 MITIGATION PLANTING AREA 3

4 / L2.20 MITIGATION PLANTING AREA 4

ALTERNATE A1

2 FEET ON EITHER SIDE OF RESURFACED TRAIL SHALL BE RESTORED WITH ARBORIST WOOD CHIP MULCH AT A 3 INCH DEPTH

SCRIBER LAKE

198TH STREET SW

GIS PROPERTY LINES

SUMMER LOW

ASSUMED

"SENSITIVE AREA REMAIN ON TRAIL"

"REMAIN ON DEVELOPED TRAIL"

SCALE: 1"=40'

O:\proj\Y2021\21-07722-000\CAD\Sheet\Planting and Mitigation Plans_II.dwg | 12/8/2023 5:03 PM | Satya Dhital

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

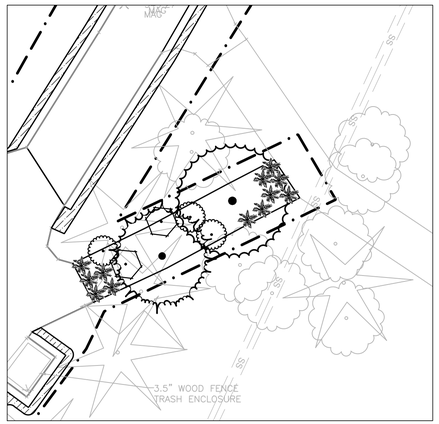
STATE OF WASHINGTON RANDALL TAYLOR 20182 REGISTERED LANDSCAPE ARCHITECT EXP. 04/10/2024

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED: R. TAYLOR	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

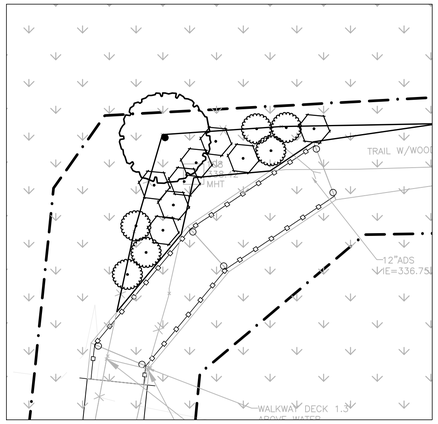
PLANTING PLAN OVERALL

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: L2.00
SHEET NO: 36 OF 40



DETAIL - MITIGATION PLANTING AREA 1 (1 / L2.00)

SCALE: 1" = 10'



DETAIL - MITIGATION PLANTING AREA 2 (2 / L2.00)

SCALE: 1" = 10'

DETAIL - MITIGATION PLANTING AREA 3 (3 / L2.00)

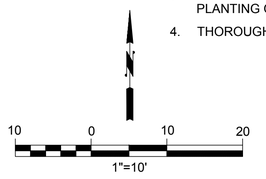
SCALE: 1" = 10'

PLANT SCHEDULE AREA 1

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	PSE DOU	1	Pseudotsuga menziesii	Douglas Fir	6` Ht.	B&B
	THU PLI	1	Thuja plicata	Western Red Cedar	6` Ht.	B&B
SHRUBS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**
	LON INV	2	Lonicera involucrata	Twinberry	2 gal.	Pot
	RUB SPE	3	Rubus spectabilis	Salmonberry	2 gal.	Pot
FERNS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**
	POL MUN	12	Polystichum munitum	Western Sword Fern	1 gal.	Pot

NOTES:

1. DECOMPACT THE SOIL IN THE ENTIRE PLANTING AREA TO A DEPTH OF 18" BY AIR TILLING.
2. PLACE 6 INCHES OF TOPSOIL TYPE A AND THOROUGHLY ROTOTILL SOIL INTO TOP 6 INCHES OF PREPARED SUBGRADE.
3. AVOID DAMAGING ANY EXISTING TREE ROOTS GREATER THAN 2" IN DIAMETER DURING PLANTING OPERATIONS. ADJUST PLANTING LAYOUT AS NECESSARY TO ACCOMPLISH THIS.
4. THOROUGHLY WATER IN ALL PLANT MATERIAL AFTER PLANTING AND WATER AS NEEDED.



PLANT SCHEDULE AREA 2

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	SAL PAC	1	Salix lasiandra	Pacific Willow	5 gal.	Pot
SHRUBS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**
	LON INV	8	Lonicera involucrata	Twinberry	2 gal.	Pot
	RUB SPE	6	Rubus spectabilis	Salmonberry	2 gal.	Pot

NOTES:

1. DECOMPACT THE SOIL IN THE ENTIRE PLANTING AREA TO A DEPTH OF 18" BY AIR TILLING.
2. FILTER FABRIC MAY BE ENCOUNTERED DURING DECOMPACTION OR PLANTING OPERATIONS AND SHALL BE CUT OUT, CUT THROUGH OR REMOVED AS NECESSARY TO COMPLETE WORK.
3. NO MULCH OR FERTILIZER SHALL BE PLACED IN THIS AREA.
4. THOROUGHLY WATER IN ALL PLANT MATERIAL AFTER PLANTING AND WATER AS NEEDED.

PLANT SCHEDULE AREA 3

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	PIC SIT	2	Picea sitchensis	Sitka Spruce	6` Ht.	B&B
	SAL PAC	2	Salix lasiandra	Pacific Willow	5 gal.	Pot
	THU PLI	1	Thuja plicata	Western Red Cedar	6` Ht.	B&B
SHRUBS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**
	LON INV	13	Lonicera involucrata	Twinberry	2 gal.	Pot
	RUB SPE	16	Rubus spectabilis	Salmonberry	2 gal.	Pot
	SPI DOU	7	Spiraea douglasii	Western Spirea	1 gal.	Pot

NOTES:

1. DECOMPACT THE SOIL OF THE ENTIRE PLANTING AREA TO A DEPTH OF 18" BY AIR TILLING.
2. FILTER FABRIC MAY BE ENCOUNTERED DURING DECOMPACTION OR PLANTING OPERATIONS AND SHALL BE CUT OUT, CUT THROUGH OR REMOVED AS NECESSARY TO COMPLETE WORK.
3. NO MULCH OR FERTILIZER SHALL BE PLACED IN THIS AREA.
4. THOROUGHLY WATER IN ALL PLANT MATERIAL AFTER PLANTING AND WATER AS NEEDED.

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

STATE OF WASHINGTON · RANDALL PAYLOR · 20182 · EXP. 09/16/2025 · LICENSED LANDSCAPE ARCHITECT

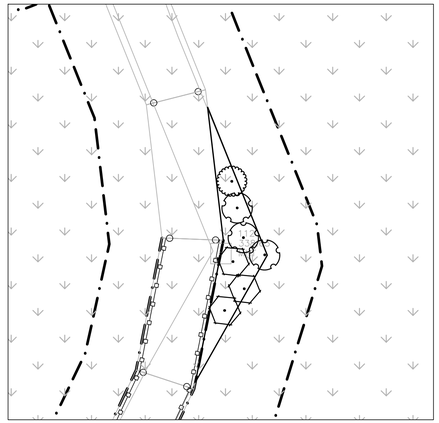
DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED: R. TAYLOR	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

PLANTING PLAN

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: L2.10
SHEET NO: 37 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\Planting and Mitigation Plans_II.dwg | 12/8/2023 5:03 PM | Satya Dhital



DETAIL - MITIGATION PLANTING AREA 4

SCALE: 1" = 10'

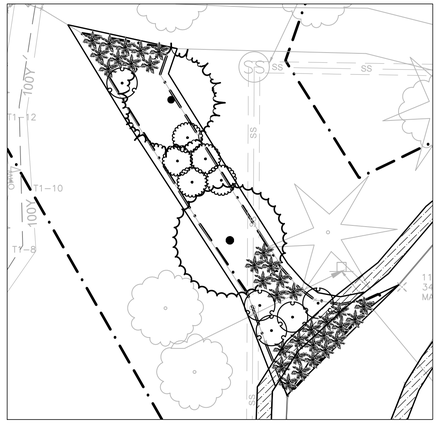
4 / L2.00

PLANT SCHEDULE AREA 4

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	LON INV	3	Lonicera involucrata	Twinberry	2 gal.	Pot
	RUB SPE	1	Rubus spectabilis	Salmonberry	2 gal.	Pot
	SPI DOU	3	Spiraea douglasii	Western Spirea	1 gal.	Pot

NOTES:

1. DECOMPACT THE SOIL OF THE ENTIRE PLANTING AREA TO A DEPTH OF 18" BY AIR TILLING.
2. FILTER FABRIC MAY BE ENCOUNTERED DURING DECOMPACTION OR PLANTING OPERATIONS AND SHALL BE CUT OUT, CUT THROUGH OR REMOVED AS NECESSARY TO COMPLETE WORK.
3. NO MULCH OR FERTILIZER SHALL BE PLACED IN THIS AREA.
4. THOROUGHLY WATER IN ALL PLANT MATERIAL AFTER PLANTING AND WATER AS NEEDED.

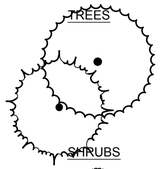


DETAIL - MITIGATION PLANTING AREA 5

SCALE: 1" = 10'

5 / L2.00

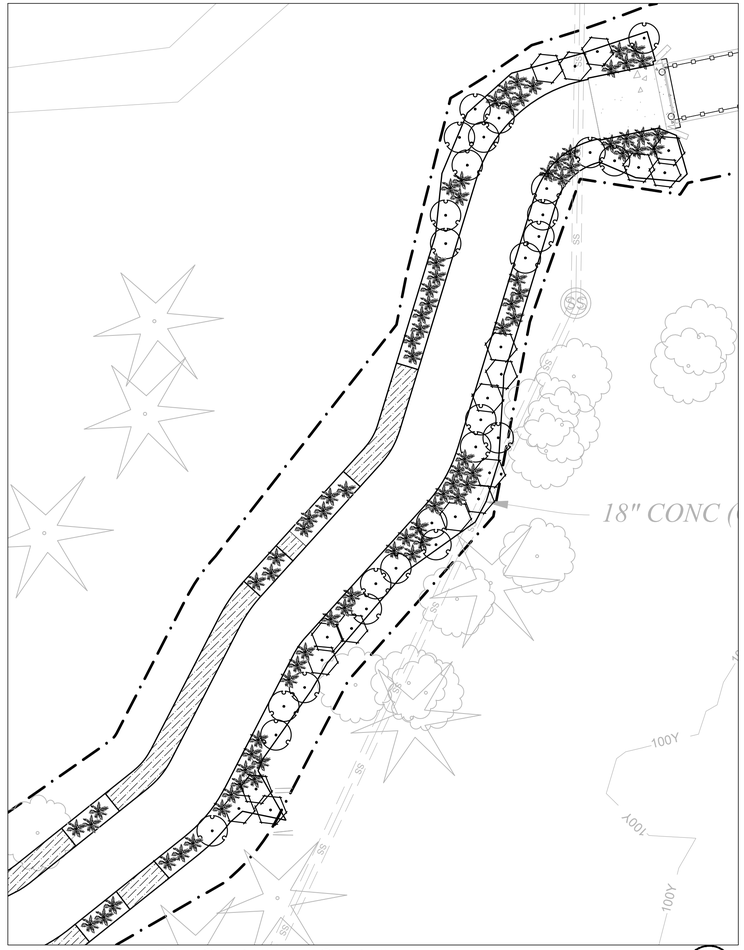
PLANT SCHEDULE AREA 5



TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	PSE DOU	1	Pseudotsuga menziesii	Douglas Fir	6` Ht.	B&B
	THU PLI	1	Thuja plicata	Western Red Cedar	6` Ht.	B&B
SHRUBS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**
	RUB SPE	5	Rubus spectabilis	Salmonberry	2 gal.	Pot
	SYM ALB	5	Symphoricarpos albus	Common White Snowberry	2 gal.	Pot
FERNS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**
	POL MUN	34	Polystichum munitum	Western Sword Fern	1 gal.	Pot

NOTES:

1. DECOMPACT THE SOIL OF THE ENTIRE PLANTING AREA TO A DEPTH OF 18" BY AIR TILLING.
2. PLACE 6 INCHES OF TOPSOIL TYPE A AND THOROUGHLY ROTOTILL SOIL INTO TOP 6 INCHES OF PREPARED SUBGRADE.
3. AVOID DAMAGING ANY EXISTING TREE ROOTS GREATER THAN 2" IN DIAMETER DURING PLANTING OPERATIONS. ADJUST PLANTING LAYOUT AS NECESSARY TO ACCOMPLISH THIS.
4. THOROUGHLY WATER IN ALL PLANT MATERIAL AFTER PLANTING AND WATER AS NEEDED.



DETAIL - MITIGATION PLANTING AREA 7

SCALE: 1" = 10'

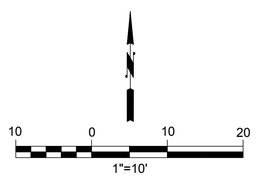
7 / L2.00

PLANT SCHEDULE AREA 7

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	LON INV	18	Lonicera involucrata	Twinberry	2 gal.	Pot
	SYM ALB	18	Symphoricarpos albus	Common White Snowberry	2 gal.	Pot
FERNS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**
	POL MUN	83	Polystichum munitum	Western Sword Fern	1 gal.	Pot

NOTES:

1. PLACE 6 INCHES OF TOPSOIL TYPE A AND THOROUGHLY ROTOTILL SOIL INTO TOP 6 INCHES OF PREPARED SUBGRADE
2. COMPACT TO 85 PERCENT MAXIMUM DENSITY PER ASTM D1557.
3. THOROUGHLY WATER IN ALL PLANT MATERIAL AFTER PLANTING AND WATER AS NEEDED.



CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

STATE OF WASHINGTON RANDALL P. TAYLOR 21808 EXP. 04/16/2025 LICENSED LANDSCAPE ARCHITECT

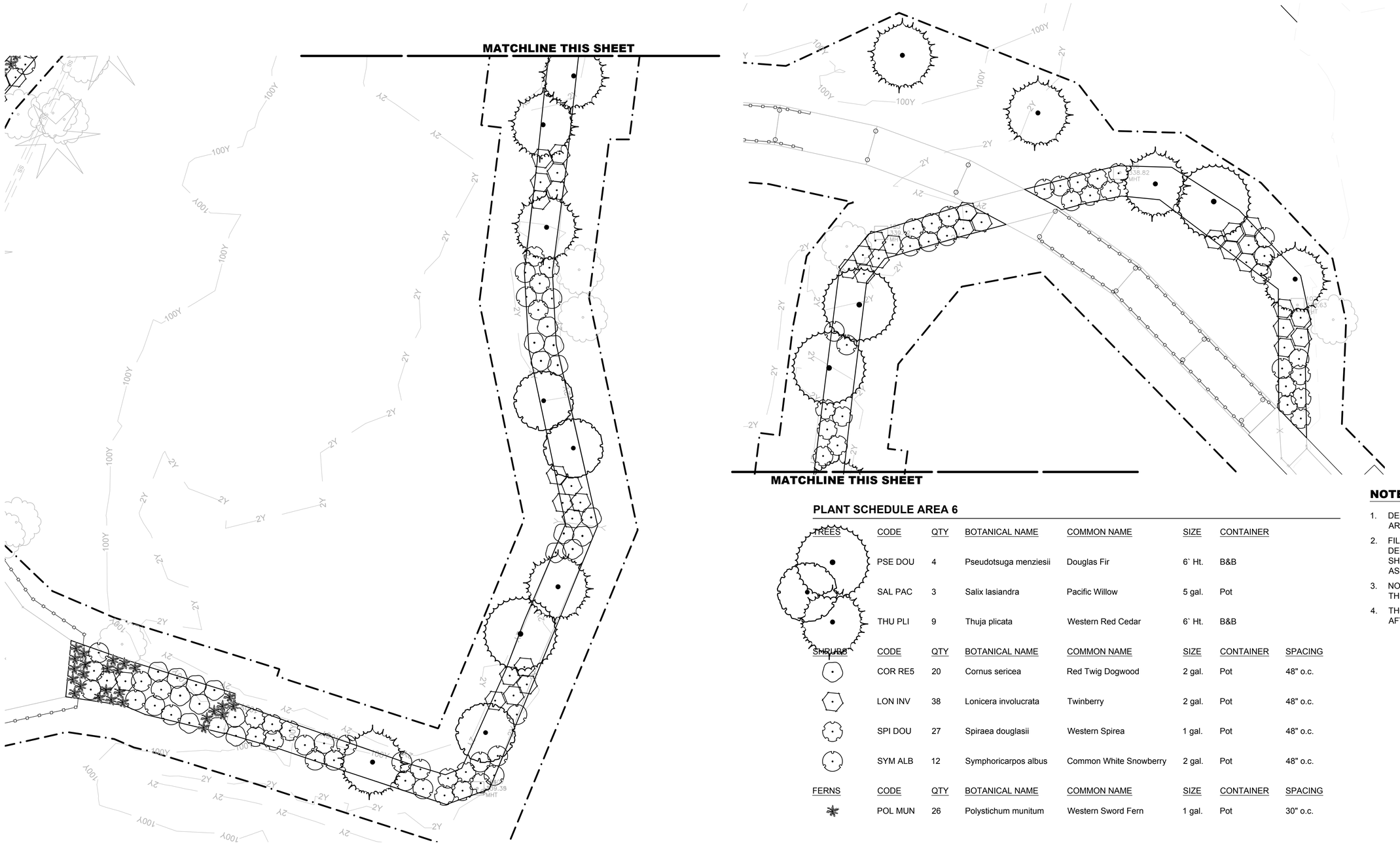
DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED: R. TAYLOR	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

PLANTING PLAN

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: L2.20
SHEET NO: 38 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\Planting and Mitigation Plans_II.dwg | 12/8/2023 5:04 PM | Sshyk Dhital



PLANT SCHEDULE AREA 6

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
	PSE DOU	4	Pseudotsuga menziesii	Douglas Fir	6` Ht.	B&B
	SAL PAC	3	Salix lasiandra	Pacific Willow	5 gal.	Pot
	THU PLI	9	Thuja plicata	Western Red Cedar	6` Ht.	B&B

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	COR RE5	20	Cornus sericea	Red Twig Dogwood	2 gal.	Pot	48" o.c.
	LON INV	38	Lonicera involucrata	Twinberry	2 gal.	Pot	48" o.c.
	SPI DOU	27	Spiraea douglasii	Western Spirea	1 gal.	Pot	48" o.c.
	SYM ALB	12	Symphoricarpos albus	Common White Snowberry	2 gal.	Pot	48" o.c.

FERNS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	POL MUN	26	Polystichum munitum	Western Sword Fern	1 gal.	Pot	30" o.c.

NOTES:

1. DECOMPACT THE SOIL OF THE ENTIRE PLANTING AREA TO A DEPTH OF 18" BY AIR TILLING.
2. FILTER FABRIC MAY BE ENCOUNTERED DURING DECOMPACTION OR PLANTING OPERATIONS AND SHALL BE CUT OUT, CUT THROUGH OR REMOVED AS NECESSARY TO COMPLETE WORK.
3. NO MULCH OR FERTILIZER SHALL BE PLACED IN THIS AREA.
4. THOROUGHLY WATER IN ALL PLANT MATERIAL AFTER PLANTING AND WATER AS NEEDED.

10 0 10 20
1"=10'

DETAIL - MITIGATION PLANTING AREA 6

SCALE: 1" = 10'

6
L2.00

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA
Science + Planning + Design
herrerainc.com

LYNNWOOD WASHINGTON
a great deal more

STATE OF WASHINGTON · RANDALL TAYLOR · 20796 · EXP. 06/10/2024 · LICENSED LANDSCAPE ARCHITECT

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED: R. TAYLOR	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

PLANTING PLAN

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: L2.30
SHEET NO: 39 OF 40

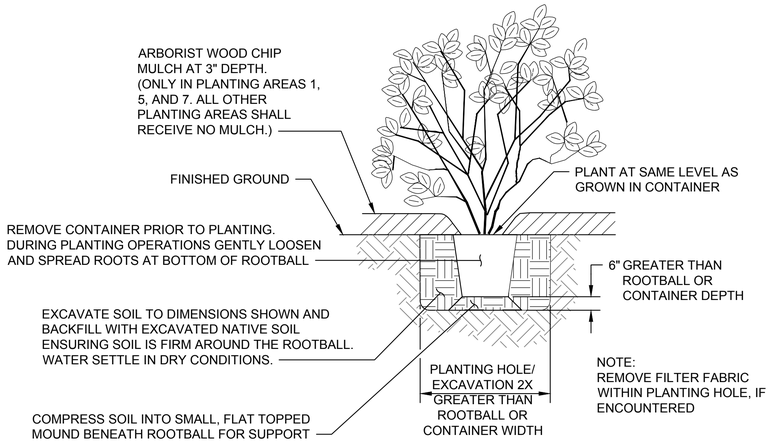
PLANTING NOTES:

1. SEEDING AND PLANTING SHALL OCCUR AFTER GRADING ELEVATIONS HAVE BEEN APPROVED BY ENGINEER.
2. 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).
3. ALL CONTAINERIZED PLANTS SHALL BE NURSERY CONTAINER GROWN A MINIMUM OF ONE YEAR. PLANT MATERIAL IS TO BE SUPPLIED BY COMMERCIAL NURSERIES THAT SPECIALIZE IN NATIVE PLANTS.
4. PLANT SUBSTITUTIONS ARE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT.
5. PLANTS SHALL BE TAGGED FOR IDENTIFICATION WHEN DELIVERED.
6. ALL TREE AND SHRUB PLANTINGS SHALL BE SETBACK A MINIMUM OF 5 FEET FROM THE BOARDWALK AND ALL PAVEMENT EDGES.
7. KEEP PLANTS SHADED UNTIL THE ACTUAL TIME OF PLANTING. DO NOT LET PLANT MATERIAL SIT IN SUN OR DRY OUT BEFORE PLANTING.
8. PLANT LAYOUT SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
9. THOROUGHLY WATER ALL PLANTED AREAS IMMEDIATELY AFTER PLANTING.
10. AREAS DISTURBED BY CONSTRUCTION ACTIVITIES AND NOT SHOWN TO BE PLANTED SHALL BE COVERED BY MULCH AT 3" DEPTH.
11. SEE SPECIFICATIONS FOR ADDITIONAL SOIL PREPARATION, SEEDING, PLANTING, AND MAINTENANCE INFORMATION.
12. EXISTING FILTER FABRIC MAY BE ENCOUNTERED AT VARYING DEPTHS DURING PLANT INSTALLATION IN TRAIL RESTORATION PLANTING AREAS. CONTRACTOR SHALL CUT HOLES OR REMOVE FILTER FABRIC TO FACILITATE SPECIFIED PLANTING DEPTH AND WIDTH

SEEDED LAWN INSTALLATION MIX

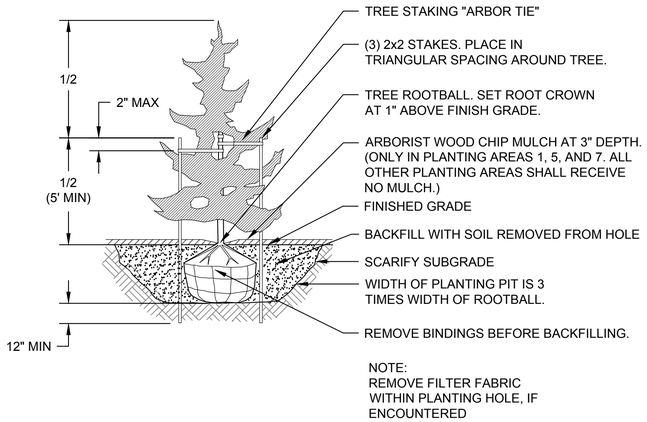
BOTANICAL NAME	COMMON NAME	% SPECIES COMPOSITION OF MIX
FESTUCA TRACHYPHYLLA	HARD FESCUE	30%
LOLIUM PERENNE	PERENNIAL RYEGRASS	70%

SEEDING RATE: 8 LBS PER 1,000 SQUARE FEET



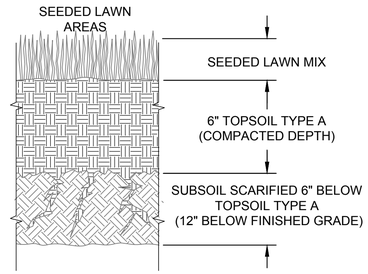
DETAIL - ONE, TWO, AND FIVE GALLON CONTAINER TREE AND SHRUB PLANTING (1 / -)

SCALE: NTS



DETAIL - B&B TREE PLANTING AND STAKING (3 / -)

SCALE: NTS



GENERAL NOTES:

1. TO MEASURE SETTLED DEPTH, WATER SOIL SUFFICIENTLY TO FULLY SATURATE WITHOUT CAUSING EROSION.
2. FINE COMPOST SHALL MEET WSDOT STANDARD SPEC. 9-14.5(8)
3. COMPACTION OF TOPSOIL (WHERE REQUIRED) TO BE TO 85% (MAX) OF THE MAXIMUM DRY DENSITY PER MODIFIED PROCTOR TEST (ASTM D1557).

DETAIL - SEEDED LAWN INSTALLATION AREA SOIL AMENDMENT (2 / -)

SCALE: NTS

CALL 811 BEFORE YOU DIG

BID SET

No.	REVISION	BY	APP'D	DATE

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

HERRERA Science + Planning + Design herrerainc.com

LYNNWOOD WASHINGTON A great deal more

STATE OF WASHINGTON RANDALL TAYLOR 20182842 EXP. 04/10/2025 LICENSED LANDSCAPE ARCHITECT

DESIGNED: C. WEBB	DRAWN: C WITZEL
DESIGNED: R. TAYLOR	DRAWN:
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: -

SCRIBER LAKE PARK BOARDWALK
5601 198TH ST SW, LYNNWOOD, WA 98036

PLANTING DETAILS

DATE: DECEMBER 2023
PROJECT NO: 21-07722-000
DRAWING NO: L2.40
SHEET NO: 40 OF 40

O:\proj\Y2021\21-07722-000\CAD\Sheet\Planting and Mitigation Plans_II.dwg | 12/8/2023 5:04 PM | Satya Dhital