

PORT OF TACOMA FILE: P:\1491.2 LWCHP Phase II\3_Design\4_Cad\Sheets\95% CD\G1.0 Cover Sheet

BINDING EDGE

PORT OF TACOMA

LOWER WAPATO CREEK HABITAT PROJECT

PHASES II & III - PLANTING, IRRIGATION, FENCING, AND LANDSCAPE MAINTENANCE

MASTER ID 101449.01

CONTRACT 071490

PORT COMMISSIONERS:

JOHN MCCARTHY
DON MEYER
DICK MARZANO
DEANNA KELLER
KRISTIN ANG

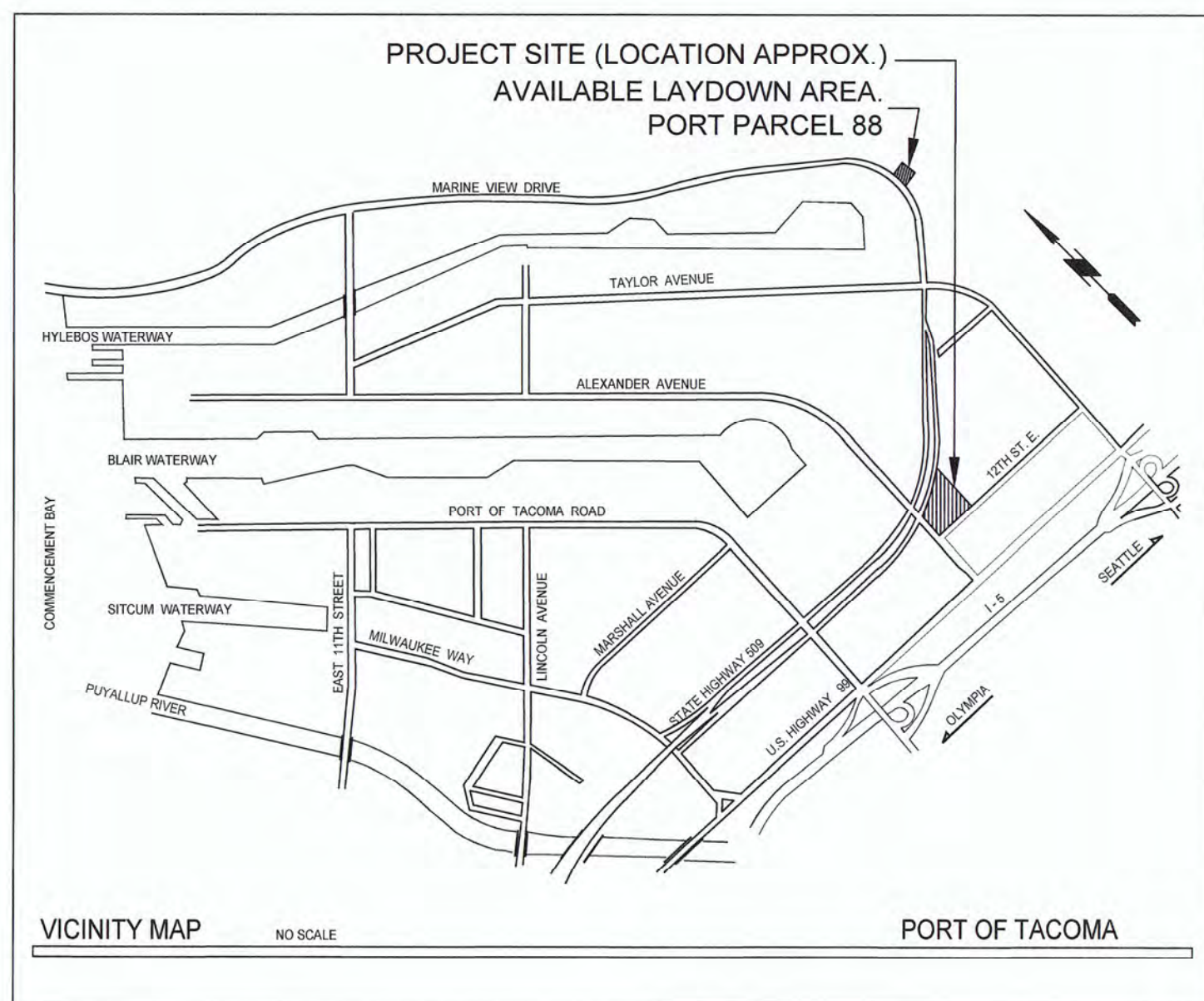
PORT STAFF:

ERIC JOHNSON
Executive Director

THAIS HOWARD, PE
Director of Engineering

DAVID R. MYERS, NCARB, CSI
Engineering Project Manager

MARK RETTMANN
Environmental Project Manager



CONSULTANT TEAM:

GEOENGINEERS
1101 S FAWCETT AVE, STE 200
TACOMA, WA 98402
(253) 722-2444

SITE WORKSHOP
917 MLK WAY
TACOMA, WA 98405
(253) 844-4131

BAUMWELT
913 MLK WAY, SUITE A
TACOMA, WA 98405
(360) 461-6478

PROJECT MANAGER: DERRICK EBERLE

DRAWING LIST		
SHEET DESIGNATION	SHEET #	SHEET TITLE
LANDSCAPING		
G1.00	1	COVER SHEET
L1.00	2	LAYOUT PLAN
LI4.00	3	IRRIGATION PLAN
LI4.10	4	IRRIGATION DETAILS
LP5.00	5	FULL SITE PLANTING PLAN
LP5.10	6	GRID A PLANTING ENLARGEMENT
LP5.11	7	GRID B PLANTING ENLARGEMENT
LP5.12	8	GRID C PLANTING ENLARGEMENT
LP5.13	9	GRID D PLANTING ENLARGEMENT
LP5.14	10	GRID E PLANTING ENLARGEMENT
LP5.20	11	UPLAND ZONE PROTOTYPICAL LAYOUT
LP5.21	12	UPLAND ENHANCEMENT ZONE PROTOTYPICAL LAYOUT
LP5.22	13	UPLAND MODIFIED ZONE PROTOTYPICAL LAYOUT
LP5.23	14	SALT TOLERANT TRANSITIONAL ZONE PROTOTYPICAL LAYOUT
LP5.24	15	SALT TOLERANT WETLAND PALUSTRINE FORESTED ZONE PROTOTYPICAL LAYOUT
LP5.30	16	PLANTING DETAILS
LP5.31	17	PLANTING SCHEDULE

6657	G1.00	CONTR/CONS: 071490 M. ID: 101449.01 PHASE:	TOWNSHIP: 20N RANGE: 3E SECTION: 1 DATE: 07/14/2022 DRAWING SCALE: AS NOTED	VERT: MLW (PORT OF TACOMA TIDAL) PARCEL: 14	PRINTED BY: Aveeo Jun 21, 2022 PORT ADDRESS: 1 SITCOM PLAZA TACOMA, WA 98421	DIRECTOR ENG. DATE DJE 02/25/2022	CHECKED BY DJE 02/25/2022	APPROVED: <i>[Signature]</i>	SiteWorkshop LANDSCAPE ARCHITECTURE 3800 Woodland Park Ave. N Suite 200 Seattle, Washington 98103 206.285.3026 206.285.3029 fax	LANDSCAPE ARCHITECT CLAYTON BEAUDOIN No. 2287 EXP. 04/06/2024	P.O. BOX 1837 TACOMA, WA 98401 (253) 848-5941	DATE:	APPR:	BY:	REVISION:	MARK:

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION



CONTRACTOR STAGING



SMOOTH WIRE FENCE



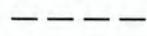
EXISTING GATE



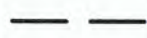
GATEWAY ACCESS



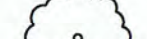
TRANSECT POST



TRANSECT LINE



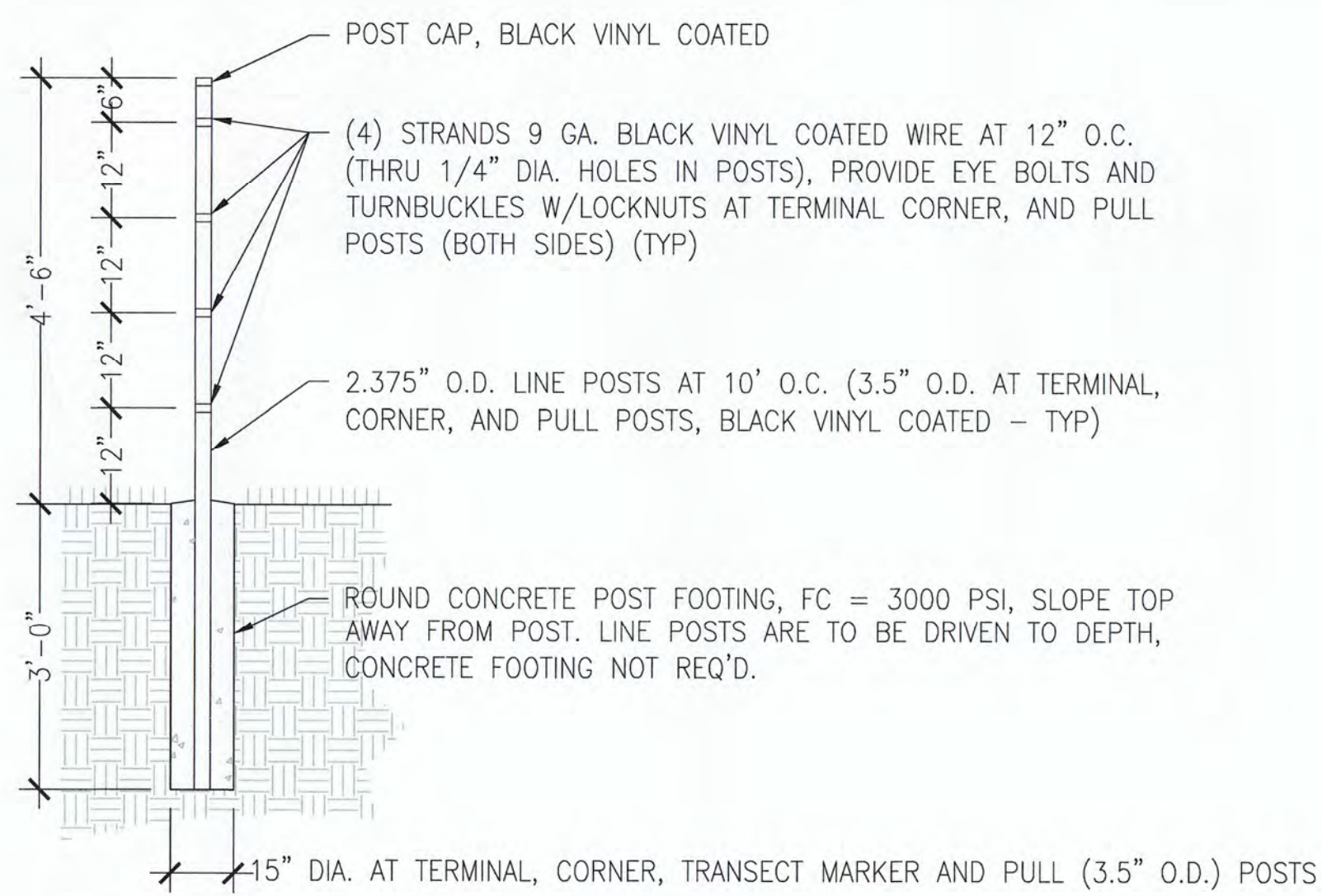
LIMIT OF CONSTRUCTION



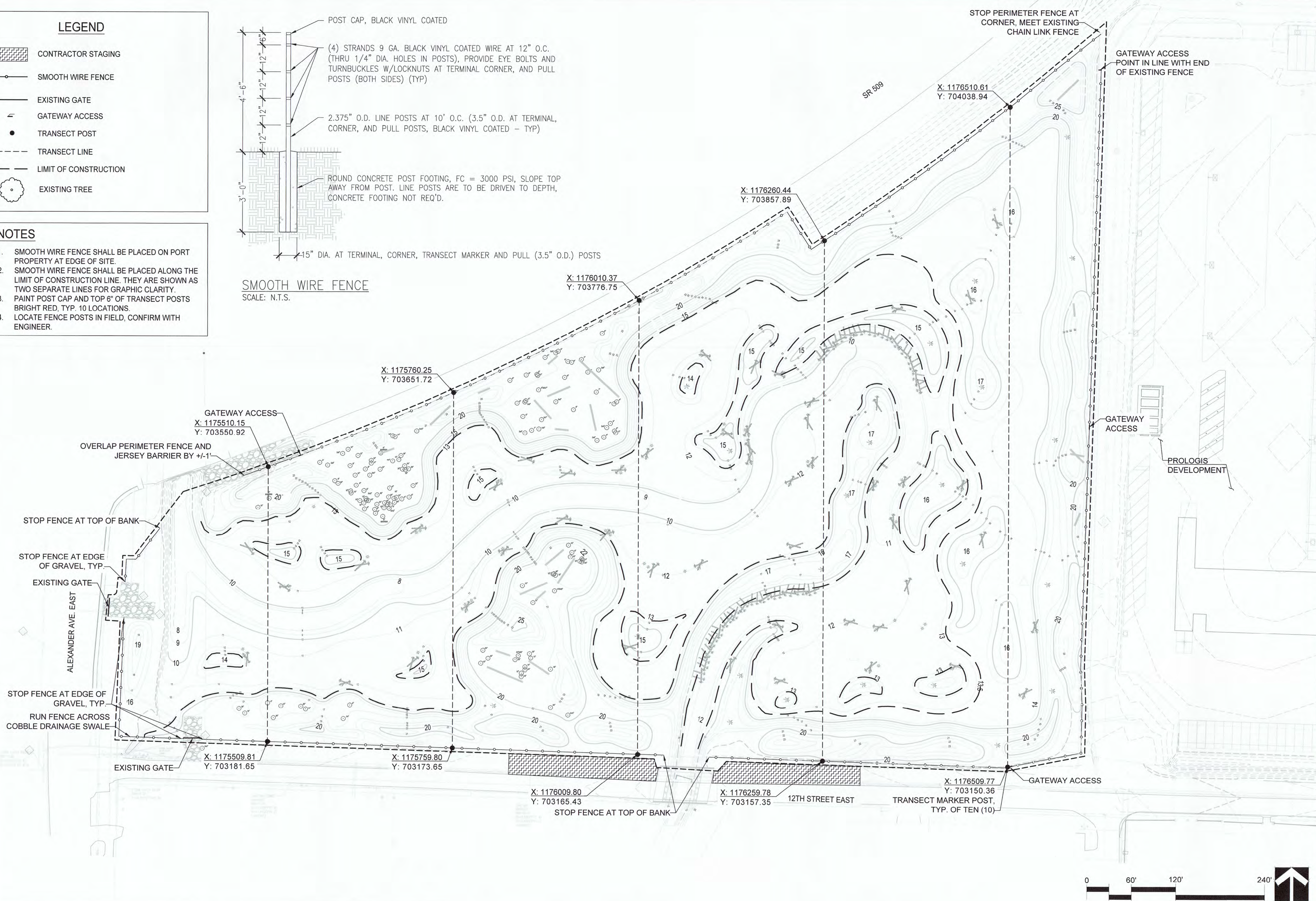
EXISTING TREE

LEGEND

- NOTES**
- SMOOTH WIRE FENCE SHALL BE PLACED ON PORT PROPERTY AT EDGE OF SITE.
 - SMOOTH WIRE FENCE SHALL BE PLACED ALONG THE LIMIT OF CONSTRUCTION LINE. THEY ARE SHOWN AS TWO SEPARATE LINES FOR GRAPHIC CLARITY.
 - PAINT POST CAP AND TOP 6" OF TRANSECT POSTS BRIGHT RED, TYP. 10 LOCATIONS.
 - LOCATE FENCE POSTS IN FIELD, CONFIRM WITH ENGINEER.



SMOOTH WIRE FENCE
SCALE: N.T.S.



6657

L1.00

4

CONTR/CONS: 071490

M. ID: 101449.01

PHASE:

LOWER WAPATO CREEK HABITAT PROJECT
PHASE II & III PLANTING, IRRIGATION, FENCING, AND
LANDSCAPE MAINTENANCE
LAYOUT PLAN

APPROVED: *[Signature]*

CHECKED BY: DJE DATE: 02-25-2022

DIRECTOR ENG. DATE: Avevo Jun 21, 2022

PRINTED BY: SECTION: 1

PORT ADDRESS: 1 SITCOM PLAZA TACOMA WA 98421

RANGE: 3E VERT: MLLW (PORT OF TACOMA TIDAL)

DRAWING SCALE: AS NOTED

TOWNSHIP: 20N DAT-HRZ: WA83-SF

PARCEL: 14

SiteWorkshop
LANDSCAPE ARCHITECTURE
3800 Woodland Park Ave N Suite 200
Seattle, Washington 98103
206.285.3026
206.285.3829 fax

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (206) 835-5841

BY: _____

DATE: _____

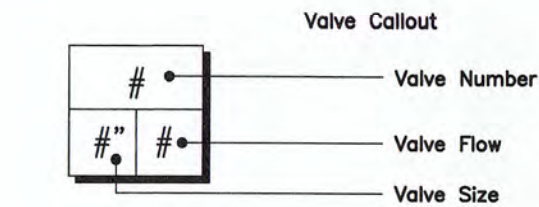
APPR: _____

REVISION: _____

MARK: _____

IRRIGATION SCHEDULE

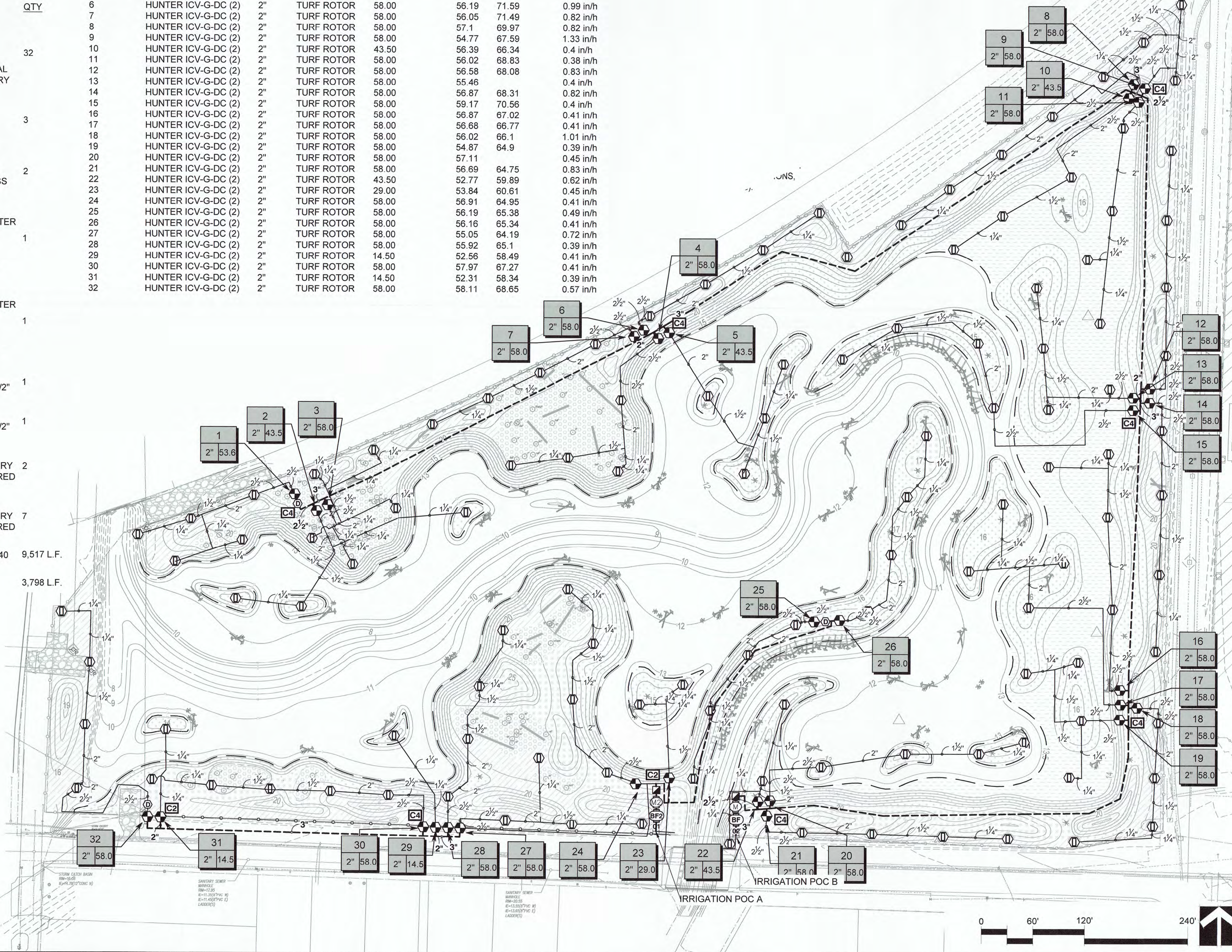
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	HUNTER I-25-04 (50 PSI) TURF ROTOR, 4" POP-UP, ADJUSTABLE AND FULL CIRCLE. PLASTIC RISER. DRAIN CHECK VALVE. STANDARD NOZZLE.	121
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	HUNTER ICV-G-DC (2) 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. WITH DC LATCHING SOLENOID FACTORY INSTALLED OPTION.	32
	MANUAL DRAIN VALVE	3
	HUNTER HQ-5LRC QUICK COUPLER VALVE, YELLOW LOCKING RUBBER COVER, RED BRASS AND STAINLESS STEEL, WITH 1" NPT INLET, 1-PIECE BODY.	2
	HUNTER ICV-G-DC (MASTER VALVE) 2" 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. WITH DC LATCHING SOLENOID FACTORY INSTALLED OPTION.	1
	HUNTER ICV-G-DC (MASTER VALVE) 2" 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. WITH DC LATCHING SOLENOID FACTORY INSTALLED OPTION.	1
	FEBCO 850 2" DOUBLE CHECK BACKFLOW PREVENTION, 1/2" TO 2"	1
	FEBCO 850 2" DOUBLE CHECK BACKFLOW PREVENTION, 1/2" TO 2"	1
	HUNTER NODE-200 2-STATION CONTROLLER, OUTDOOR, BATTERY POWERED. DC LATCHING SOLENOID ORDERED SEPARATELY.	2
	HUNTER NODE-400 4-STATION CONTROLLER, OUTDOOR, BATTERY POWERED. DC LATCHING SOLENOID ORDERED SEPARATELY.	7
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	9,517 L.F.
---	IRRIGATION MAINLINE: PVC SCHEDULE 40	3,798 L.F.



- GENERAL NOTES:
- ALL IRRIGATION LINES TO BE INSTALLED AT-GRADE.
 - IRRIGATION HEADS TO BE INSTALLED ON 3" RISERS.
 - IRRIGATION SYSTEM TO BE REMOVED AFTER 2 YEAR PLANT ESTABLISHMENT PERIOD (FALL 2024).
 - METERS SHALL BE PUT IN THE PORT'S NAME. THE PORT WILL PAY UTILITY BILLS.
 - CONTRACT SHALL COORDINATE WITH CITY OF FIFE FOR METER INSTALLATIONS.
- IRRIGATION LAYOUT & STAKING:
- FIELD LOCATING AND STAKING OF IRRIGATION SYSTEM COMPONENTS SHALL BE AS SHOWN ON DRAWINGS AND BY COORDINATES OBTAINED VIA ELECTRONIC DRAWING FILES WHICH WILL BE PROVIDED TO THE CONTRACTOR AFTER RECEIVING WRITTEN REQUEST FOLLOWING THE NOTICE OF AWARD.
 - COORDINATES DERIVED FROM THE ELECTRONIC FILES OF THESE SCHEMATIC PLANS ARE APPROXIMATE LOCATIONS THAT MAY BE USED ONLY FOR PRELIMINARY STAKING OF IRRIGATION SYSTEM COMPONENTS (ACTUAL COMPONENT LOCATIONS SHALL BE PER DRAWINGS, SPECIFICATIONS, AND ANY NECESSARY FIELD MODIFICATIONS).

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ POC	PRECIP
1	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	53.60		54.07		0.78 in/h
2	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	43.50		54.79	67.22	0.41 in/h
3	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		54.39	71.41	0.62 in/h
4	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.16		0.4 in/h
5	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	43.50		56.2		0.41 in/h
6	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.19	71.59	0.99 in/h
7	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.05	71.49	0.82 in/h
8	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		57.1	69.97	0.82 in/h
9	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		54.77	67.59	1.33 in/h
10	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	43.50		56.39	66.34	0.4 in/h
11	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.02	68.83	0.38 in/h
12	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.58	68.08	0.83 in/h
13	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		55.46		0.4 in/h
14	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.87	68.31	0.82 in/h
15	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		59.17	70.56	0.4 in/h
16	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.87	67.02	0.41 in/h
17	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.68	66.77	0.41 in/h
18	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.02	66.1	1.01 in/h
19	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		54.87	64.9	0.39 in/h
20	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		57.11		0.45 in/h
21	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.69	64.75	0.83 in/h
22	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	43.50		52.77	59.89	0.62 in/h
23	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	29.00		53.84	60.61	0.45 in/h
24	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.91	64.95	0.41 in/h
25	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.19	65.38	0.49 in/h
26	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		56.16	65.34	0.41 in/h
27	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		55.05	64.19	0.72 in/h
28	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		55.92	65.1	0.39 in/h
29	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	14.50		52.56	58.49	0.41 in/h
30	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		57.97	67.27	0.41 in/h
31	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	14.50		52.31	58.34	0.39 in/h
32	HUNTER ICV-G-DC (2)	2"	TURF ROTOR	58.00		58.11	68.65	0.57 in/h



6657

L14.00

2

6657

LOWER WAPATO CREEK HABITAT PROJECT
PHASE II & III PLANTING, IRRIGATION, FENCING, AND
LANDSCAPE MAINTENANCE

IRRIGATION PLAN

APPROVED:

CHECKED BY: DJE DATE: 02-25-2022

DIRECTOR ENG. DATE: Aveeo Jun 20, 2022

PRINTED BY: TACOMA, WA 98421

PORT ADDRESS: 1 SITCOM PLAZA

TOWNSHIP: 20N SECTION: 1

DAT-HRZ: WAB3-SF

PARCEL: 14

DRAWING SCALE: AS NOTED

SiteWorkshop

LANDSCAPE ARCHITECTURE

3800 Woodland Park Ave N Suite 200

Seattle, Washington 98103

206.285.3629 fax

MARK: REVISION: BY: DATE:

APPR: DATE:

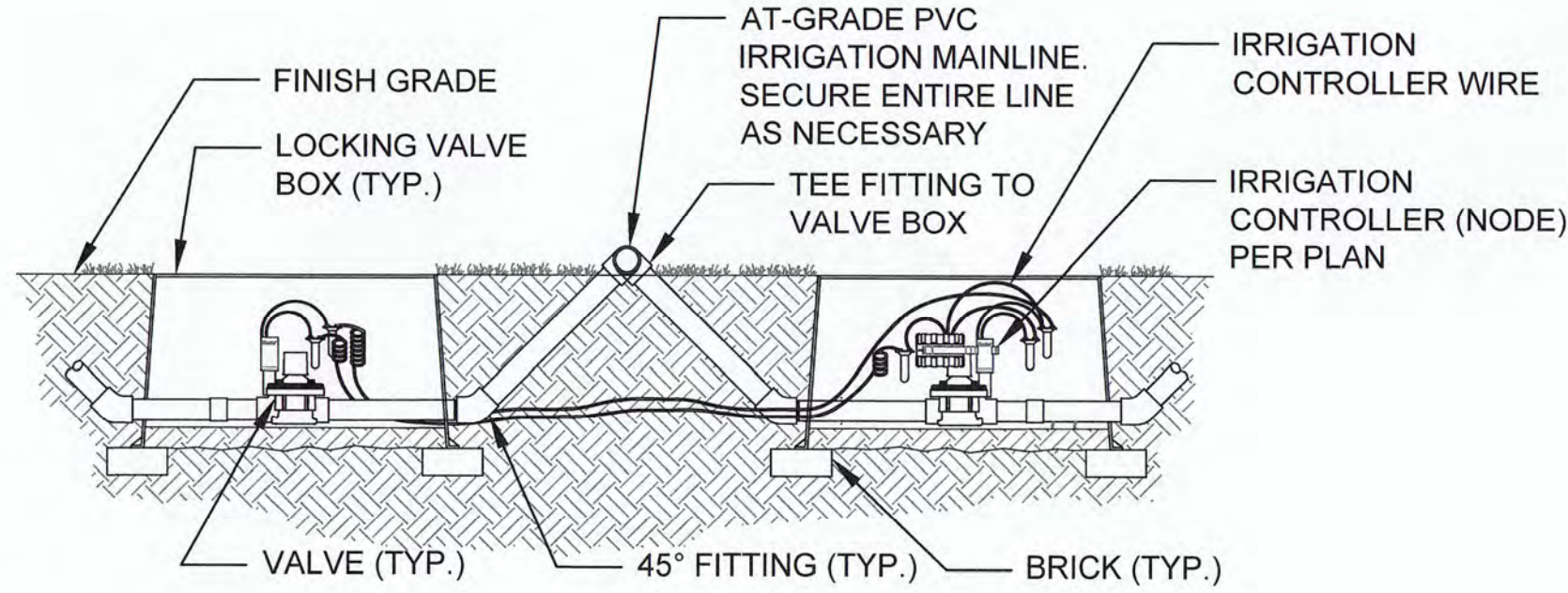
STATE OF WASHINGTON

CLAYTON BEADOWN

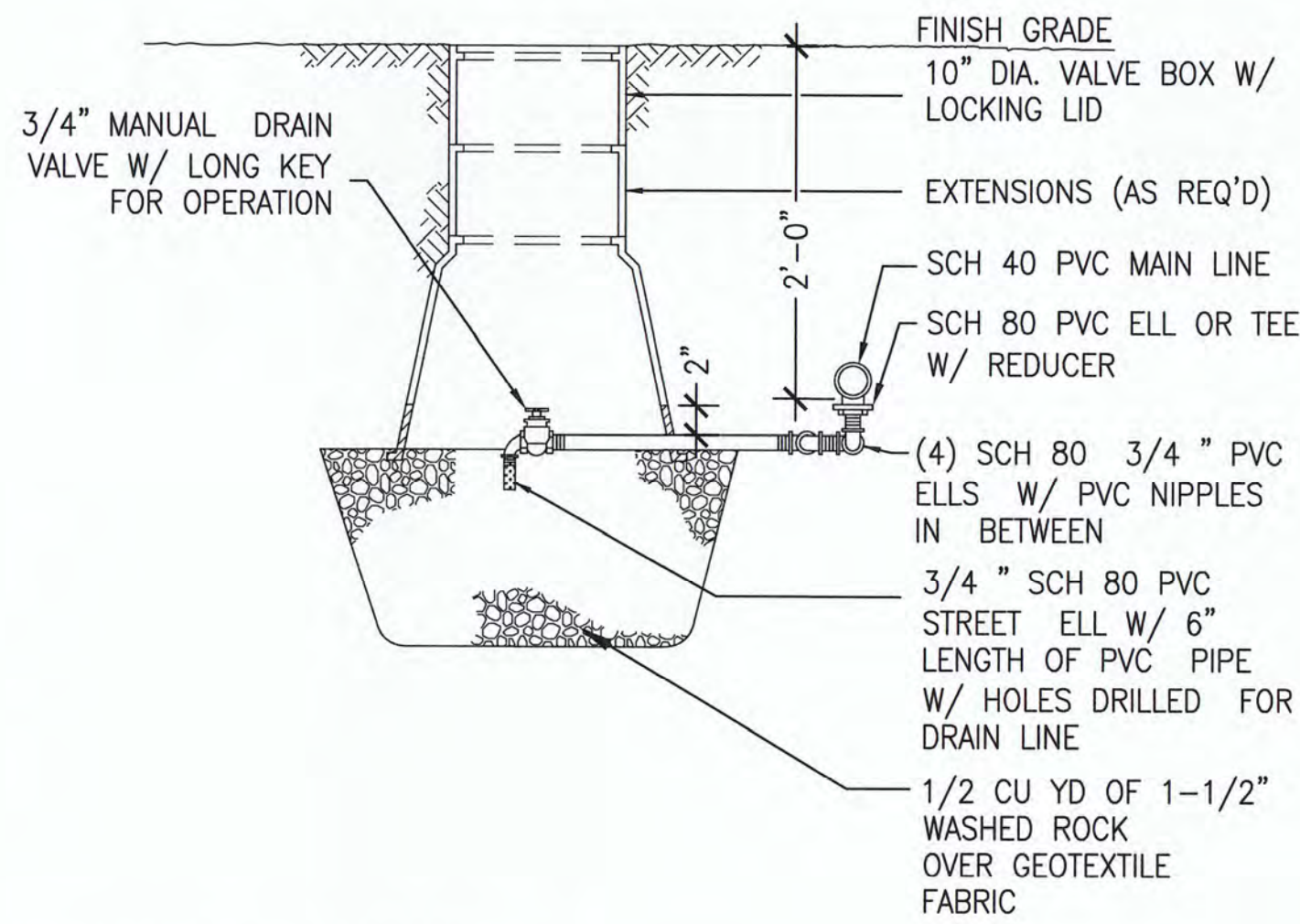
LANDSCAPE ARCHITECT

NO. 2887 EXP. 04/08/2024

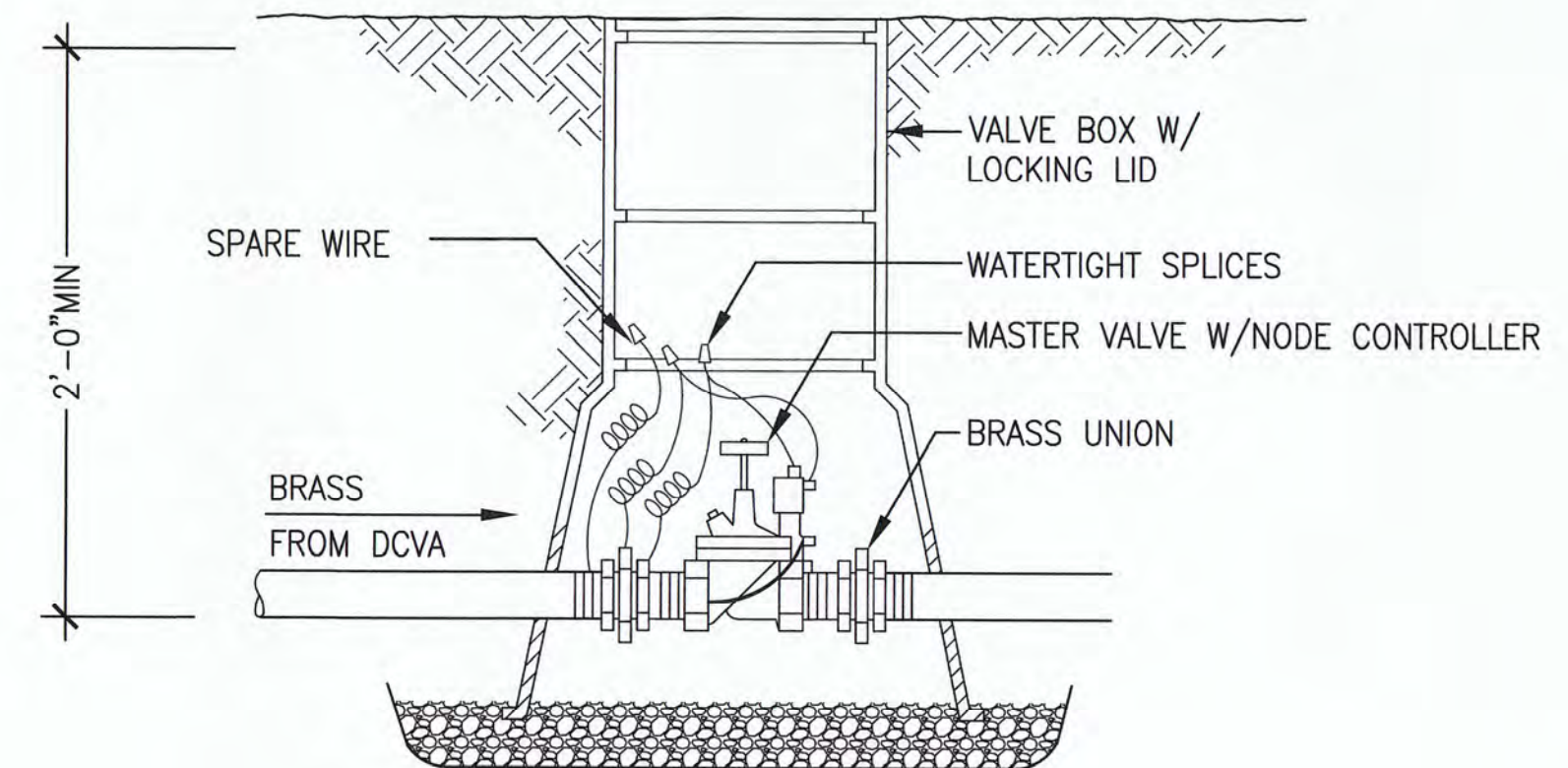
THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION



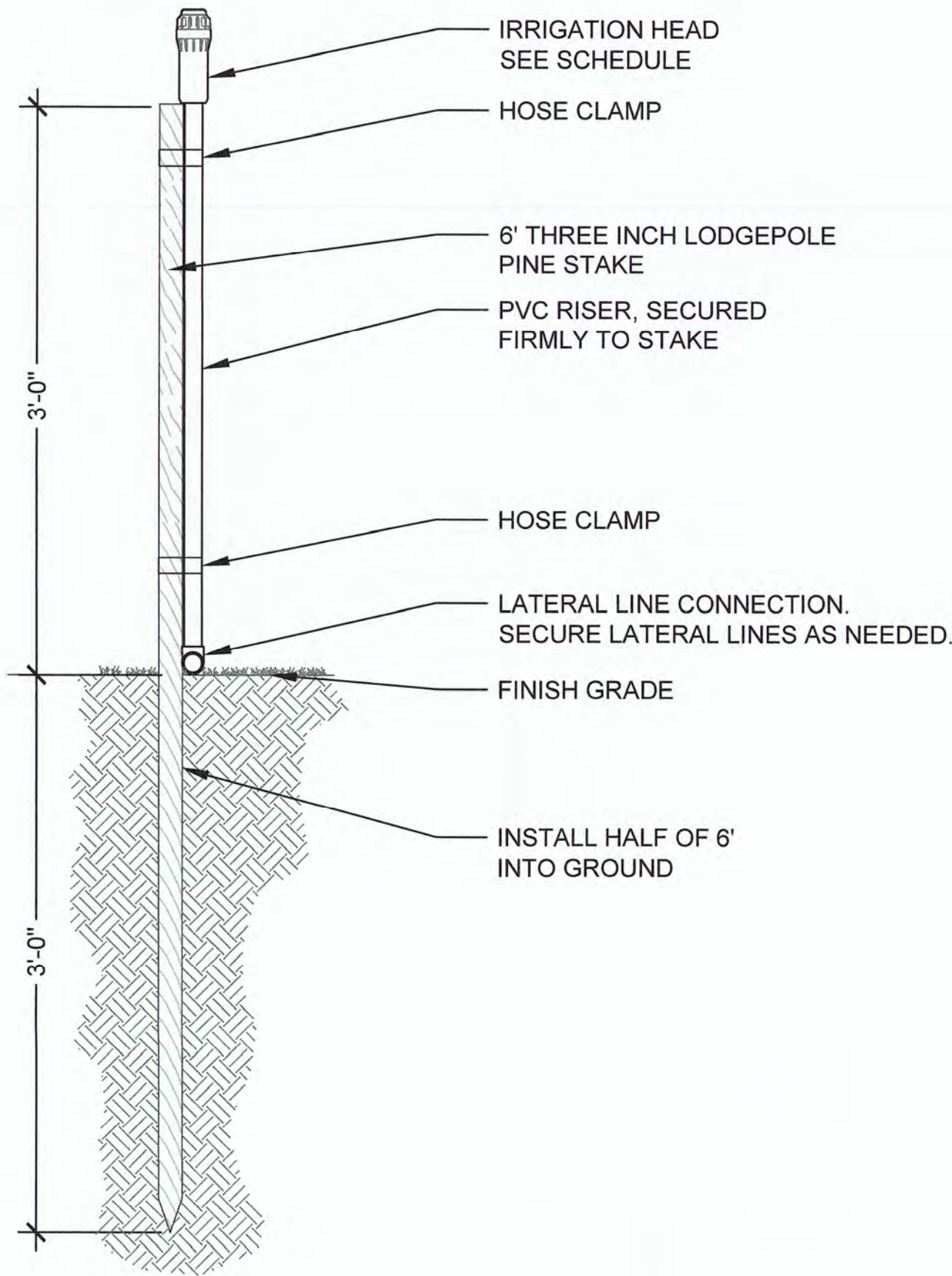
1 VALVE CONTROL ASSEMBLY
SCALE: NTS



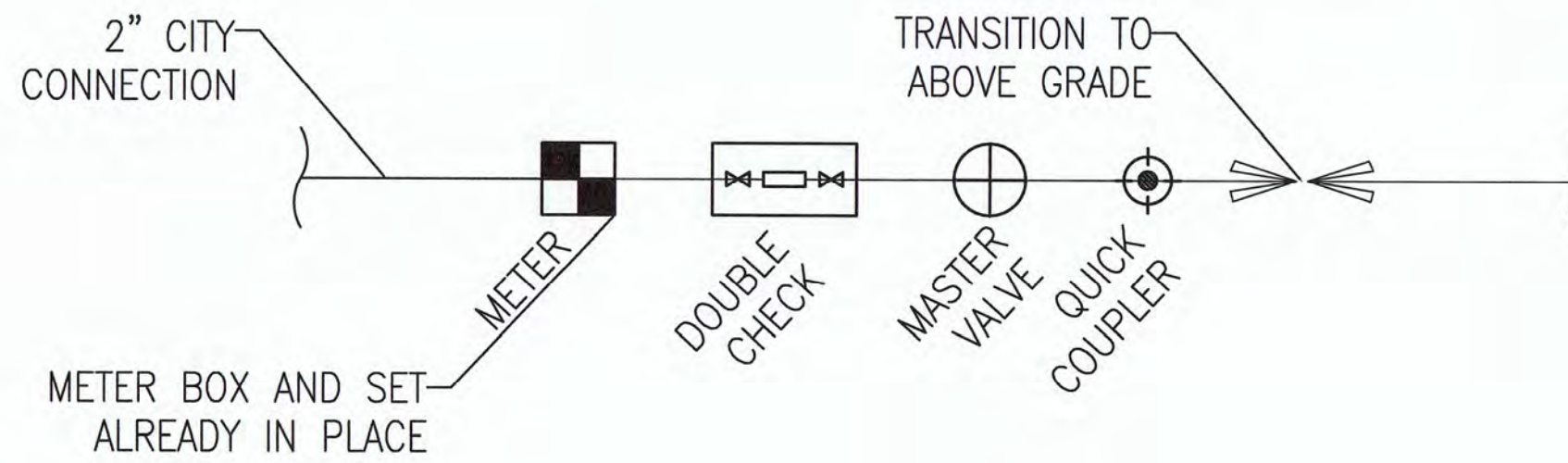
2 MANUAL DRAIN VALVE
SCALE: NTS
SAAS_DRAIN VALVE



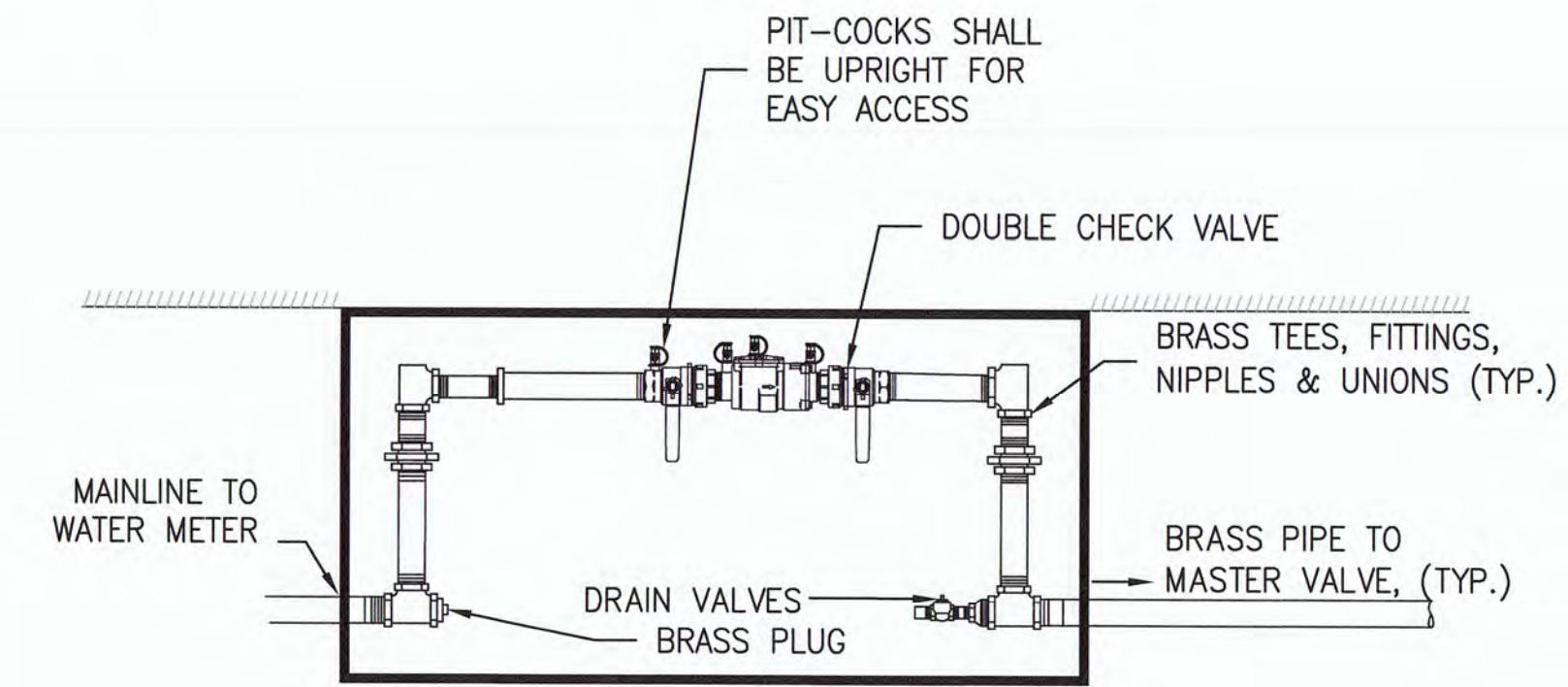
3 MASTER VALVE
SCALE: N.T.S.



4 IRRIGATION RISER
SCALE: NTS



5 POINT OF CONNECTION ASSEMBLY
NOT TO SCALE
L4.10 LWCHP IRRIGATION DETAILS.DWG



6 DOUBLE CHECK BACKFLOW PREVENTION
NOT TO SCALE

CONTRACTOR STAGING

SMOOTH WIRE FENCE

LIMIT OF CONSTRUCTION

EXISTING TREE

CONTOUR 13.5 FEET

PLANTING ZONES

UPLAND ZONE

UPLAND MODIFIED ZONE

UPLAND ENHANCEMENT ZONE

TRANSITIONAL ZONE

WETLAND PALUSTRINE FORESTED ZONE

WETLAND EMERGENT ZONE

NO TREES IN THIS AREA

6657

LP5.00

5

CONTR/CONS: 071490

M. ID: 101449.01

PHASE:

TOWNSHIP: 20N

DAT-HRZ: WA83-SF

PARCEL: 14

RANGE: 3E

VERT: MLLW (PORT OF TACOMA TIDAL)

DRAWING SCALE: AS NOTED

SECTION: 1

PRINTED BY: Aveeo Jun 21, 2022

PORT ADDRESS: 1 SITCOM PLAZA

TACOMA, WA 98421

APPROVED:

DIRECTOR

ENG. DATE

DATE

DJE

02-25-2022

PROJ. ENGR

DATE

Aveeo Jun 21, 2022

LOWER WAPATO CREEK HABITAT PROJECT

PHASE II & III PLANTING, IRRIGATION, FENCING, AND

LANDSCAPE MAINTENANCE

FULL SITE PLANTING PLAN

SiteWorkshop

LANDSCAPE ARCHITECTURE

3800 Woodland Park Ave N Suite 200

Seattle, Washington 98103

206.285.3026

206.285.9629 fax

SiteWorkshop

LANDSCAPE ARCHITECTURE

3800 Woodland Park Ave N Suite 200

Seattle, Washington 98103

206.285.3026

206.285.9629 fax

STATE OF WASHINGTON

CLAYTON BEALDOON

LANDSCAPE ARCHITECT

NO. 287

EXP. 04/08/2024

MARK:

REVISION:

BY:

DATE:

APPR:

DATE:

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK. DISCLOSED, COPIED, IN-WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION

CONTRACTOR STAGING

SMOOTH WIRE FENCE

LIMIT OF CONSTRUCTION

EXISTING TREE

CONTOUR 13.5 FEET

PLANTING ZONES

UPLAND ZONE

UPLAND MODIFIED ZONE

UPLAND ENHANCEMENT ZONE

TRANSITIONAL ZONE

WETLAND PALUSTRINE FORESTED ZONE

WETLAND EMERGENT ZONE

KEY PLAN

GRID A TREE SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	AM	25	ACER MACROPHYLLUM	BIG LEAF MAPLE	BARE ROOT
	AR	84	ALNUS RUBRA	RED ALDER	BARE ROOT
	FL	25	FRAXINUS LATIFOLIA	OREGON ASH	BARE ROOT
	MP	67	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT
	PS	15	PICEA SITCHENSIS	SITKA SPRUCE	BARE ROOT
	PC1	91	PINUS CONTORTA V. CONTORTA	SHORE PINE	BARE ROOT
	PB	26	POPULUS TRICHOCARPA	BLACK COTTONWOOD	BARE ROOT
	PD	131	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	BARE ROOT
	SL	66	SALIX LASIANDRA	PACIFIC WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH
	SS2	172	SALIX SCOULERIANA	SCOULER WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH
	TP	32	THUJA PLICATA	WESTERN RED CEDAR	BARE ROOT

REFER TO LP5.31 FOR FULL PLANTING SCHEDULE INCLUDING SHRUBS AND EMERGENTS
REFER TO LP5.20 - LP5.24 FOR SHRUB LAYOUT

6657

LP5.10

6

CONTR/CONS

071490

M. ID.

101449.01

PHASE:

LOWER WAPATO CREEK HABITAT PROJECT

PHASE II & III PLANTING, IRRIGATION, FENCING, AND

LANDSCAPE MAINTENANCE

GRID A ENLARGEMENT

TOWNSHIP: 20N

DAT-HRZ: WA83-SF

PARCEL: 14

RANGE: 3E

SECTION: 1

VERT: MLLW (PORT OF TACOMA TIDAL)

DRAWING SCALE: AS NOTED

APPROVED:

DIRECTOR ENG.

DATE

02-25-2022

CHECKED BY:

DUE

02-25-2022

PRINTED BY:

PROJ ENGR

DATE

02-25-2022

PORT ADDRESS:

1 SITCOM PLAZA

TACOMA, WA 98421

SiteWorkshop

LANDSCAPE ARCHITECTURE

3800 Woodland Park Ave N Suite 200

Seattle, Washington 98103

206.285.3028

206.285.3029 fax

STATE OF WASHINGTON

CLAYTON BEALL

LANDSCAPE ARCHITECT

2287 EXP 04/06/2024

BY:

REVISION:

APPR:

DATE:

Port of Tacoma

P.O. BOX 1837 TACOMA, WA 98401 (253)865-5441

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK. DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION

CONTRACTOR STAGING

SMOOTH WIRE FENCE

LIMIT OF CONSTRUCTION

EXISTING TREE

CONTOUR 13.5 FEET

PLANTING ZONES

UPLAND ZONE

UPLAND MODIFIED ZONE

UPLAND ENHANCEMENT ZONE

TRANSITIONAL ZONE

WETLAND PALUSTRINE FORESTED ZONE

WETLAND EMERGENT ZONE

KEY PLAN

GRID B TREE SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	AM	15	ACER MACROPHYLLUM	BIG LEAF MAPLE	BARE ROOT
	AR	67	ALNUS RUBRA	RED ALDER	BARE ROOT
	FL	33	FRAXINUS LATIFOLIA	OREGON ASH	BARE ROOT
	MP	59	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT
	PS	19	PICEA SITCHENSIS	SITKA SPRUCE	BARE ROOT
	PC1	43	PINUS CONTORTA V. CONTORTA	SHORE PINE	BARE ROOT
	PB	14	POPULUS TRICHOCARPA	BLACK COTTONWOOD	BARE ROOT
	PD	86	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	BARE ROOT
	SL	87	SALIX LASIANDRA	PACIFIC WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH
	SS2	227	SALIX SCOULERIANA	SCOULER WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH
	TP	12	THUJA PLICATA	WESTERN RED CEDAR	BARE ROOT

REFER TO LP5.31 FOR FULL PLANTING SCHEDULE INCLUDING SHRUBS AND EMERGENTS
REFER TO LP5.20 - LP5.24 FOR SHRUB LAYOUT

6657

LP5.11

7

CONT/CONS: 071490

M. ID: 101449 01

PHASE:

TOWNSHIP: 20N

DAT-HRZ: WA83-SF

PARCEL: 14

SECTION: 1

RANGE: 3E

VERT: MLLW (PORT OF TACOMA TIDAL)

DRAWING SCALE: AS NOTED

APPROVED:

DIRECTOR

02-25-2022

DUE

02-25-2022

PROJ. ENGR

Aveeo Jun 20, 2022

PRINTED BY:

1 SITCOM PLAZA

PORT ADDRESS:

TACOMA, WA 98421

SiteWorkshop

LANDSCAPE ARCHITECTURE

3800 Woodland Park Ave N Suite 200

Seattle, Washington 98103

206.285.3829 fax

MARK:

REVISION:

BY:

APPR:

DATE:

STATE OF WASHINGTON

CLAYTON BEAUDOU

LANDSCAPE ARCHITECT

NO. 1287 EXP. 04/06/2024

Port of Tacoma

P.O. BOX 187 / TACOMA, WA 98401 (CDR-SP-384)

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION

CONTRACTOR STAGING

SMOOTH WIRE FENCE

LIMIT OF CONSTRUCTION

EXISTING TREE

CONTOUR 13.5 FEET

PLANTING ZONES

UPLAND ZONE

UPLAND MODIFIED ZONE

UPLAND ENHANCEMENT ZONE

TRANSITIONAL ZONE

WETLAND PALUSTRINE FORESTED ZONE

WETLAND EMERGENT ZONE

KEY PLAN

GRID C TREE SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	AM	28	ACER MACROPHYLLUM	BIG LEAF MAPLE	BARE ROOT
	AR	113	ALNUS RUBRA	RED ALDER	BARE ROOT
	FL	42	FRAXINUS LATIFOLIA	OREGON ASH	BARE ROOT
	MP	116	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT
	PS	75	PICEA SITCHENSIS	SITKA SPRUCE	BARE ROOT
	PC1	71	PINUS CONTORTA V. CONTORTA	SHORE PINE	BARE ROOT
	PB	28	POPULUS TRICHOCARPA	BLACK COTTONWOOD	BARE ROOT
	PD	101	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	BARE ROOT
	SL	221	SALIX LASIANDRA	PACIFIC WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH
	SS2	332	SALIX SCOULERIANA	SCOULER WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH
	TP	45	THUJA PLICATA	WESTERN RED CEDAR	BARE ROOT

REFER TO LP5.31 FOR FULL PLANTING SCHEDULE INCLUDING SHRUBS AND EMERGENTS
REFER TO LP5.20 - LP5.24 FOR SHRUB LAYOUT

6657

LP5.12

8

LOWER WAPATO CREEK HABITAT PROJECT

PHASE II & III PLANTING, IRRIGATION, FENCING, AND

LANDSCAPE MAINTENANCE

GRID C ENLARGEMENT

CONTR/CONS: 071490

M. ID: 101449.01

PHASE:

TOWNSHIP: 20N

DAT-HRZ: WA93-SF

PARCEL: 14

RANGE: 3E

SECTION: 1

VERT: MLLW (PORT OF TACOMA TIDAL)

DRAWING SCALE: AS NOTED

APPROVED:

DIRECTOR ENG. DATE

PROJ. ENGR DATE

PRINTED BY: Aveeo Jun 20, 2022

PORT ADDRESS: 1 SITCOM PLAZA

TACOMA, WA 98421

CHECKED BY DATE

DJE 02-25-2022

PROJ. ENGR DATE

DATE

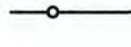
MARK: REVISION: BY: DATE:

APPR: DATE:

P.O. BOX 1837 TACOMA, WA 98401 (206)863-5941

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION

 CONTRACTOR STAGING

 SMOOTH WIRE FENCE

 LIMIT OF CONSTRUCTION

 EXISTING TREE

 CONTOUR 13.5 FEET

PLANTING ZONES

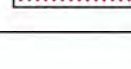
 UPLAND ZONE

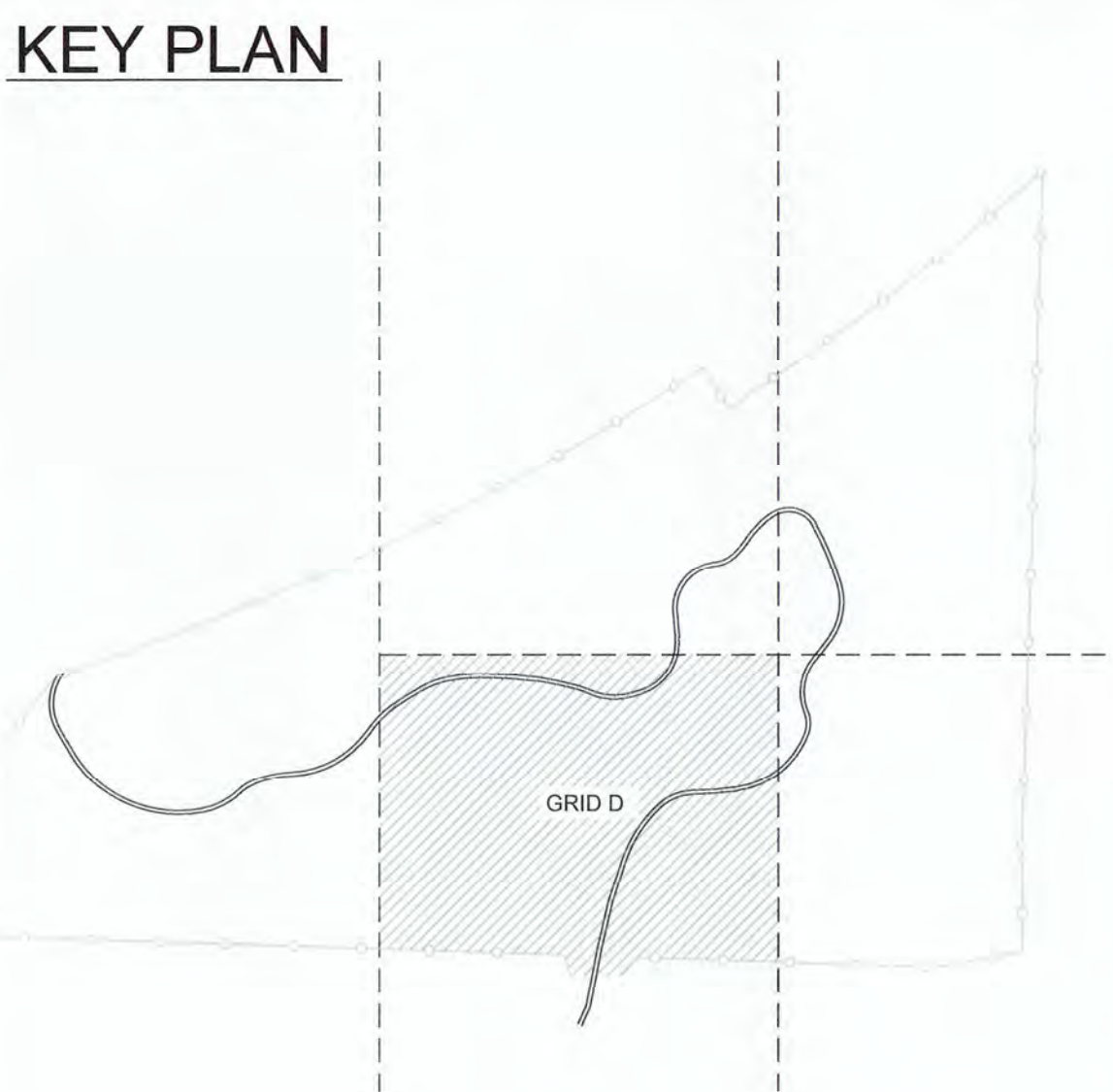
 UPLAND MODIFIED ZONE

 UPLAND ENHANCEMENT ZONE

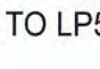
 TRANSITIONAL ZONE

 WETLAND PALUSTRINE FORESTED ZONE

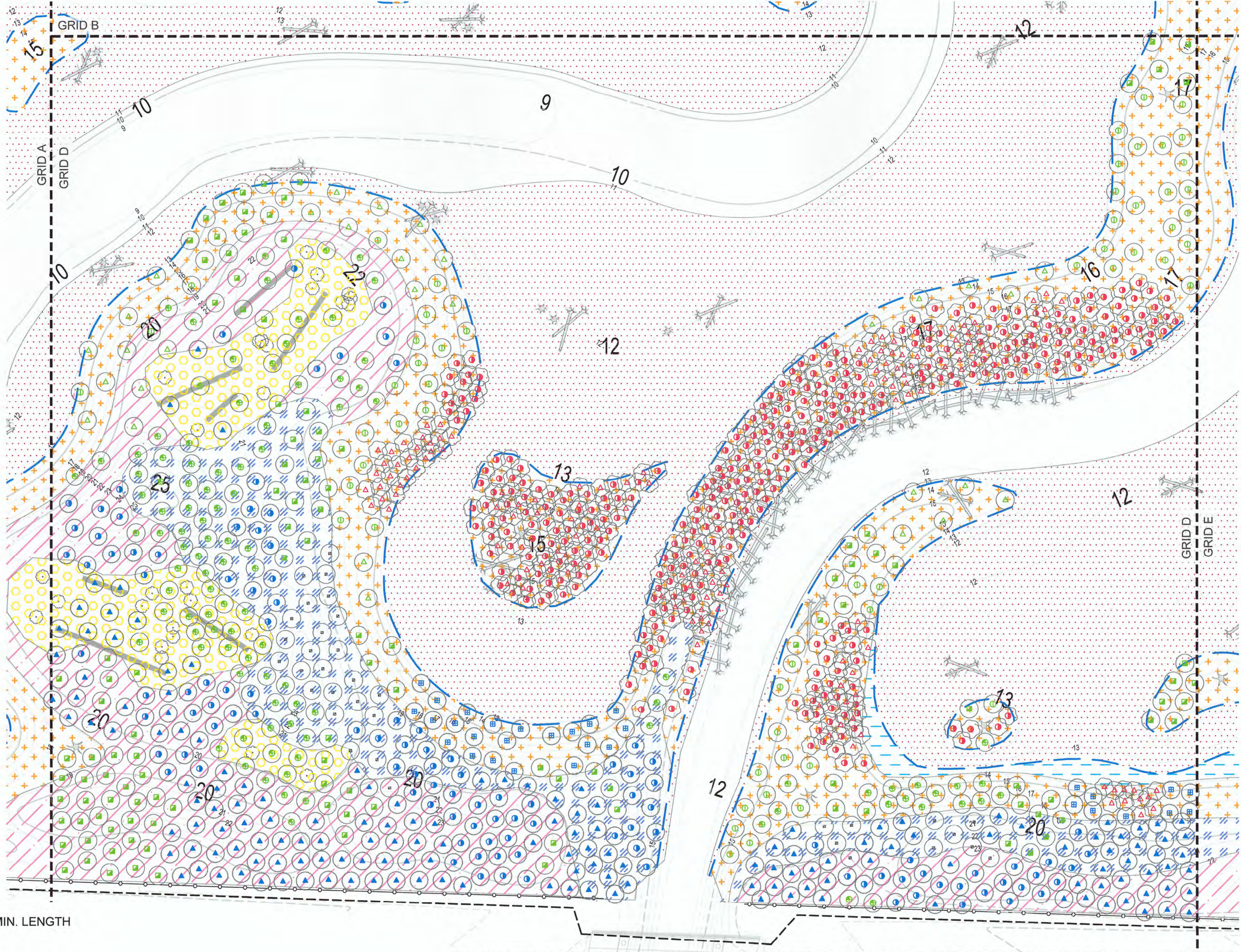
 WETLAND EMERGENT ZONE



GRID D TREE SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	AM	30	ACER MACROPHYLLUM	BIG LEAF MAPLE	BARE ROOT
	AR	122	ALNUS RUBRA	RED ALDER	BARE ROOT
	FL	57	FRAXINUS LATIFOLIA	OREGON ASH	BARE ROOT
	MP	108	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT
	PS	31	PICEA SITCHENSIS	SITKA SPRUCE	BARE ROOT
	PC1	116	PINUS CONTORTA V. CONTORTA	SHORE PINE	BARE ROOT
	PB	34	POPULUS TRICHOCARPA	BLACK COTTONWOOD	BARE ROOT
	PD	162	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	BARE ROOT
	SL	134	SALIX LASIANDRA	PACIFIC WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH
	SS2	360	SALIX SCOULERIANA	SCOULER WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH

REFER TO LP5.31 FOR FULL PLANTING SCHEDULE INCLUDING SHRUBS AND EMERGENTS
REFER TO LP5.20 - LP5.24 FOR SHRUB LAYOUT



6657

9

LP5.13

LOWER WAPATO CREEK HABITAT PROJECT

PHASE II & III PLANTING, IRRIGATION, FENCING, AND

LANDSCAPE MAINTENANCE

GRID D ENLARGEMENT

CONTR/CONS: 07/490

TOWNSHIP: 20N

M. ID: 101449.01

PHASE:

RANGE: 3E

SECTION: 1

VERT: MLLW (PORT OF TACOMA TIDAL)

DRAWING SCALE: AS NOTED

APPROVED:



DIRECTOR ENG. DATE

PRINTED BY: Aveeo Jun 21, 2022

PORT ADDRESS: 1 SITCOM PLAZA
TACOMA, WA 98421

CHECKED BY: DJE

DATE: 02-25-2022

PROJ. ENGR DATE

MARK:

REVISION:

BY:

DATE:



P.O. BOX 1837 TACOMA, WA 98401 (253)385-5841

 CONTRACTOR STAGING

 SMOOTH WIRE FENCE

 LIMIT OF CONSTRUCTION

 EXISTING TREE

 CONTOUR 13.5 FEET

PLANTING ZONES

 UPLAND ZONE

 UPLAND MODIFIED ZONE

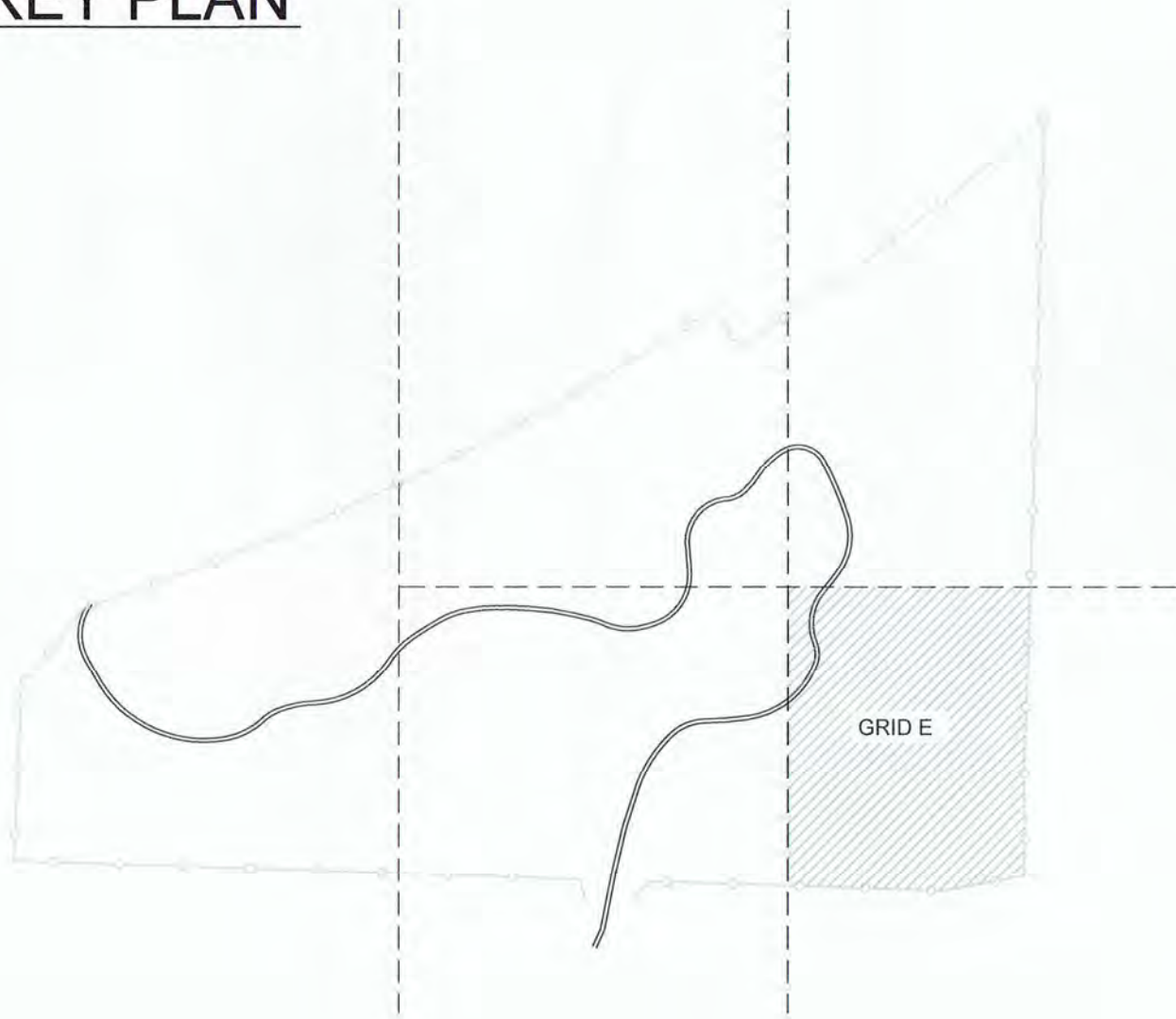
 UPLAND ENHANCEMENT ZONE

 TRANSITIONAL ZONE

 WETLAND PALUSTRINE FORESTED ZONE

 WETLAND EMERGENT ZONE

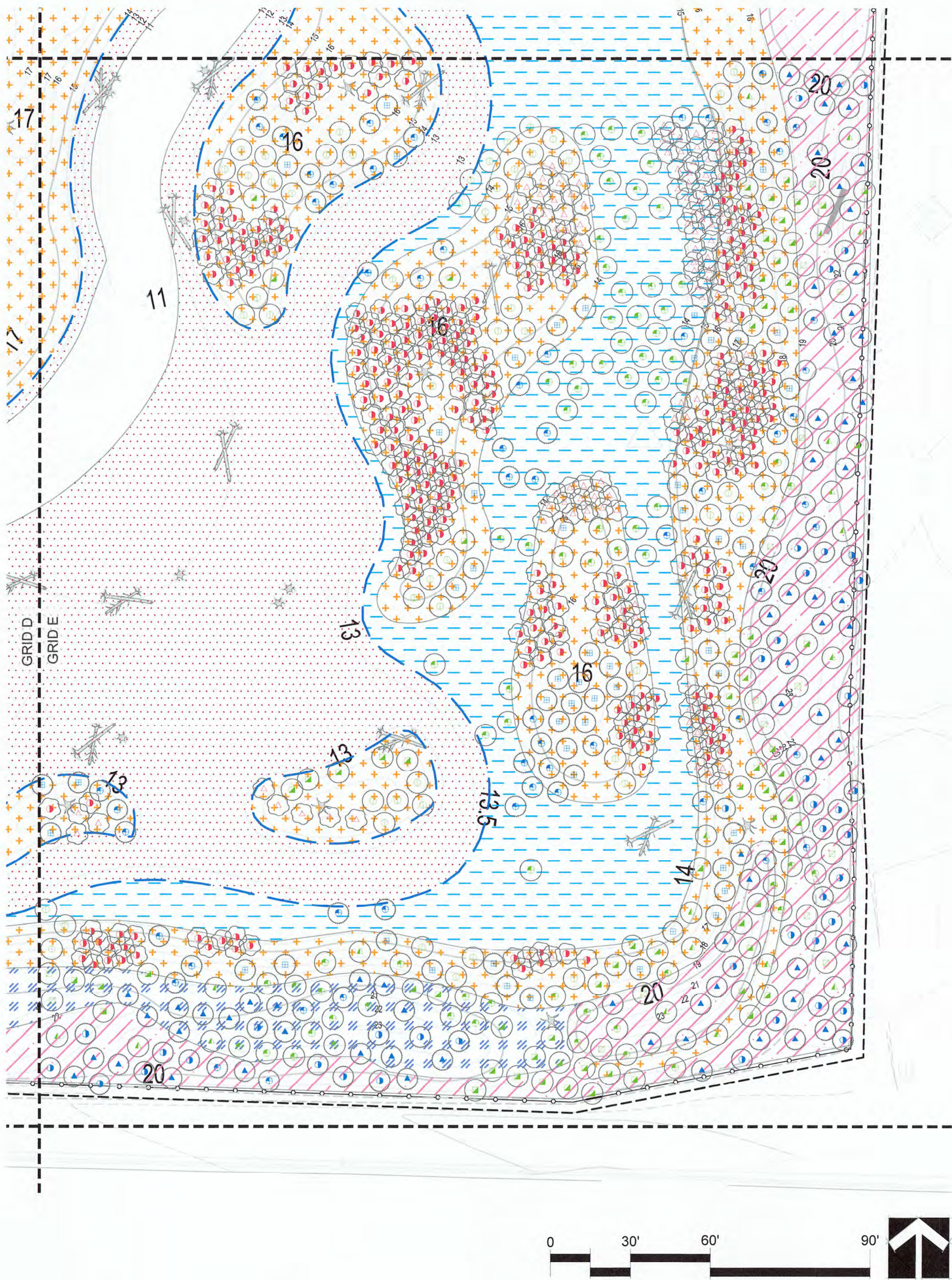
KEY PLAN



GRID E TREE SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	AM	21	ACER MACROPHYLLUM	BIG LEAF MAPLE	BARE ROOT
	AR	70	ALNUS RUBRA	RED ALDER	BARE ROOT
	FL	52	FRAXINUS LATIFOLIA	OREGON ASH	BARE ROOT
	MP	74	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT
	PS	52	PICEA SITCHENSIS	SITKA SPRUCE	BARE ROOT
	PC1	43	PINUS CONTORTA V. CONTORTA	SHORE PINE	BARE ROOT
	PB	15	POPULUS TRICHOCARPA	BLACK COTTONWOOD	BARE ROOT
	PD	67	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	BARE ROOT
	SL	103	SALIX LASIANDRA	PACIFIC WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH
	SS2	328	SALIX SCOULERIANA	SCOULER WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH
	TP	60	THUJA PLICATA	WESTERN RED CEDAR	BARE ROOT

REFER TO LP5.31 FOR FULL PLANTING SCHEDULE INCLUDING SHRUBS AND EMERGENTS
REFER TO LP5.20 - LP5.24 FOR SHRUB LAYOUT



6657
LP5.14

LOWER WAPATO CREEK HABITAT PROJECT
PHASE II & III PLANTING, IRRIGATION, FENCING, AND
LANDSCAPE MAINTENANCE
GRID E ENLARGEMENT

APPROVED:	CHECKED BY	DATE
	DJE	02-25-2022
	PROJ ENGR	DATE
DIRECTOR ENG. DATE	PRINTED BY:	Aveeo Jun 20, 2022
	PORT ADDRESS:	1 SITCOM PLAZA
		TACOMA, WA 98421

CONTR/CONS:	071490	TOWNSHIP:	20N	RANGE:	3E	SECTION:	1
M. ID:	101449.01	DAT-HRZ:	WA83-SF	VERT:	MILLW (PORT OF TACOMA TIDAL)		
PHASE:		PARCEL:	14	DRAWING SCALE:	AS NOTED		

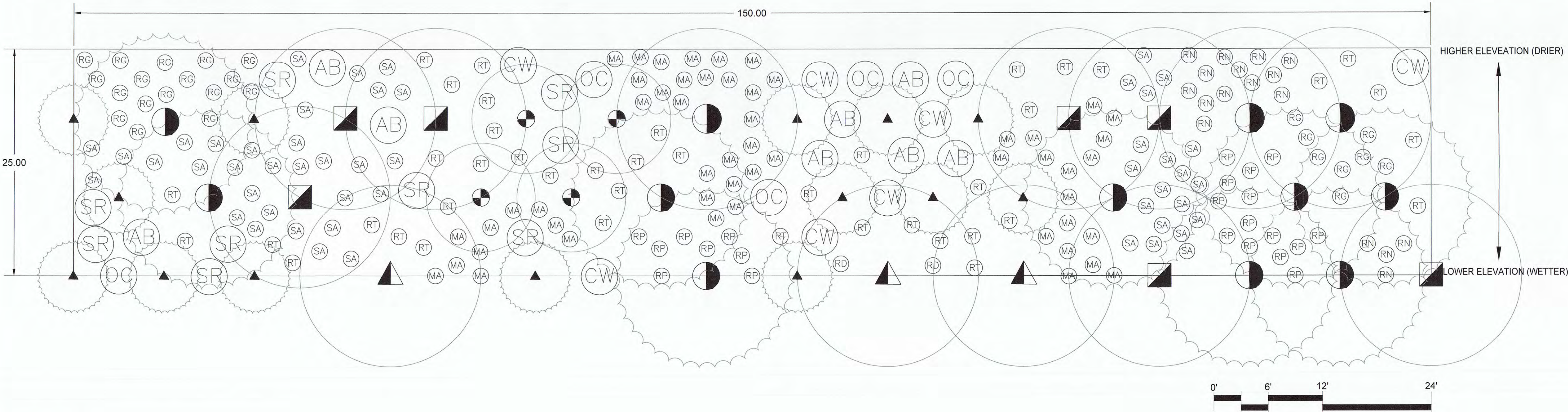


SiteWorkshop
LANDSCAPE ARCHITECTURE
3900 Woodland Park Ave N Suite 200
Seattle, Washington 98103
206.265.3026
206.265.3629 fax

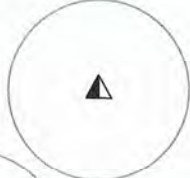
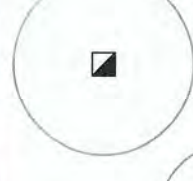
Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98601 (206)335-9641

MARK:	REVISION:	BY:	DATE:

UPLAND ZONE



PLANT SCHEDULE

TREES *	CODE	BOTANICAL NAME	COMMON NAME	CONT	SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	AM	ACER MACROPHYLLUM	BIG LEAF MAPLE	BARE ROOT		AB	8	ACER CIRCINATUM	VINE MAPLE	BARE ROOT
	AR	ALNUS RUBRA	RED ALDER	BARE ROOT		CW	7	CORYLUS CORNUTA V. CALIFORNICA	BEAKED HAZELNUT, FILBERT	BARE ROOT
	MP2	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT		MA	52	MAHONIA AQUIFOLIUM	TALL OREGON GRAPE	BARE ROOT
	PC1	PINUS CONTORTA V. CONTORTA	SHORE PINE	BARE ROOT		OC	5	OEMLERIA CERASIFORMIS	OSOBERRY	BARE ROOT
	PB	POPULUS TRICHOCARPA	BLACK COTTONWOOD	BARE ROOT		RD	2	RIBES DIVARICATUM	BLACK GOOSEBERRY	BARE ROOT
	PD	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	BARE ROOT		RG	25	ROSA GYMNOCARPA	BALD HIP ROSE	BARE ROOT
						RN	17	ROSA NUTKANA	NOOTKA ROSE	BARE ROOT
						RP	22	ROSA PISOCARPA	PEAFRUIT ROSE, CLUSTERED WILD ROSE	BARE ROOT
						RT	42	RUBUS PARVIFLORUS	THIMBLEBERRY	BARE ROOT
						SR	9	SAMBUCUS RACEMOSA	RED ELDERBERRY	BARE ROOT
						SA	50	SYMPHORICARPOS ALBUS	COMMON SNOWBERRY	BARE ROOT

*TREE SYMBOLS SHOWN FOR SHRUB RELATIONSHIP ONLY. REFER TO ENLARGEMENT PLANS FOR TREE PLACEMENT.

NOTE: ADJUST PLANTS TO SITE CONDITIONS (EX: PLACE PLANTS THAT TOLERATE WETTER CONDITIONS IN DEPRESSIONS, TYP.)

6657

LP5.20

11

CONTIGUOUS: 071490

IM ID: 101449.01

PHASE:

LOWER WAPATO CREEK HABITAT PROJECT

PHASE II & III PLANTING, IRRIGATION, FENCING, AND

LANDSCAPE MAINTENANCE

UPLAND ZONE PROTOTYPICAL PLANT LAYOUT

APPROVED:

Checked by: DJE

DATE: 02-25-2022

Director: *John W. [Signature]*

DATE: Aveo Jun 17, 2022

Printed by: Aveo Jun 17, 2022

Port address: 1 SITCOM PLAZA

TOWNSHIP: 20N

DAT-HRZ: WA83-SF

PARCEL: 14

RANGE: 3E

VERT: MLLW (PORT OF TACOMA TIDAL)

DRAWING SCALE: AS NOTED

SiteWorkshop

LANDSCAPE ARCHITECTURE

3800 Woodland Park Ave N Suite 200

Tacoma, WA 98404

206.285.3026

206.285.9225 fax

Port of Tacoma

P.O. BOX 1837 TACOMA, WA 98401 (253)863-1841

MARK:

REVISION:

BY:

DATE:

APPR:

STATE OF WASHINGTON

CLAYTON BEAUDON

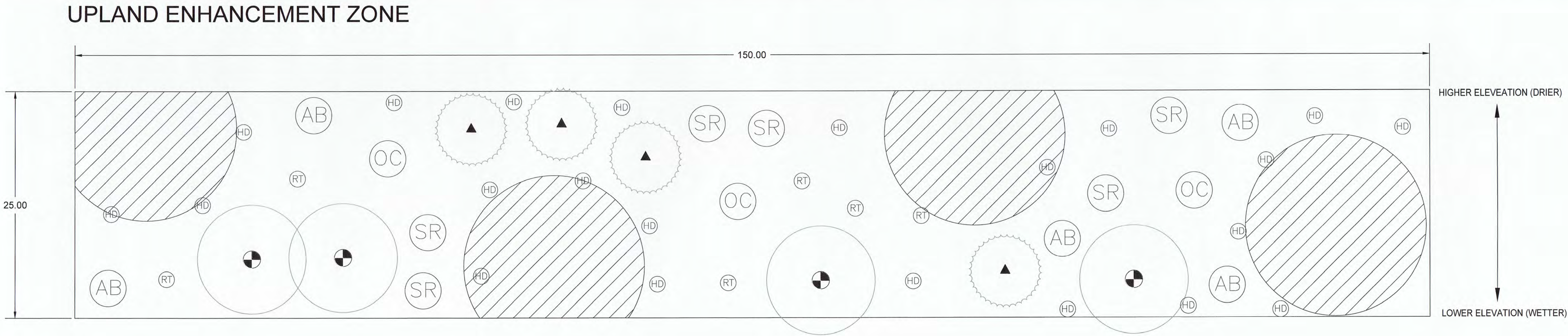
LANDSCAPE ARCHITECT

NO. 2287 EXP. 04/08/2024

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION

PORT OF TACOMA FILE: P:\1491.2 LWCHP Phase III\3_Design\4_Cad\Sheets\95% CD\L5.2X Prototypical Layouts and Plant Schedule

BINDING EDGE



PLANT SCHEDULE

TREES *	CODE	BOTANICAL NAME	COMMON NAME	CONT	
	MP2	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT	
	PD	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	BARE ROOT	
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	AB	5	ACER CIRCINATUM	VINE MAPLE	BARE ROOT
	HD	22	HOLODISCUS DISCOLOR	OCEAN SPRAY	BARE ROOT
	OC	3	OEMLERIA CERASIFORMIS	OSOBERRY	BARE ROOT
	RT	6	RUBUS PARVIFLORUS	THIMBLEBERRY	BARE ROOT
	SR	6	SAMBUCUS RACEMOSA	RED ELDERBERRY	BARE ROOT

*TREE SYMBOLS SHOWN FOR SHRUB RELATIONSHIP ONLY. REFER TO ENLARGEMENT PLANS FOR TREE PLACEMENT.

NOTE: ADJUST PLANTS TO SITE CONDITIONS (EX: PLACE PLANTS THAT TOLERATE WETTER CONDITIONS IN DEPRESSIONS, TYP.)

6657

LP5.21

12

CONTR/CONS: 07/490

M. ID: 101449 01

PHASE:

LOWER WAPATO CREEK HABITAT PROJECT

PHASE II & III PLANTING, IRRIGATION, FENCING, AND

LANDSCAPE MAINTENANCE

UPLAND ENHANCEMENT ZONE PROTOTYPICAL PLANT LAYOUT

TOWNSHIP: 20N

DAT-HRZ: WA83-SF

PARCEL: 14

APPROVED:

DIRECTOR ENG. DATE: 02-25-2022

PROJ. ENGR DATE: 02-25-2022

PRINTED BY: Aveeo Jun 17, 2022

PORT ADDRESS: 1 SITCOM PLAZA

TACOMA, WA 98421

SiteWorkshop

LANDSCAPE ARCHITECTURE

3800 Woodland Park Ave N Suite 200

Seattle, Washington 98105

206.285.3029

206.285.3029 fax

MARK: REVISION: BY: DATE: APPR:

STATE OF WASHINGTON

CLAYTON BEAUDON

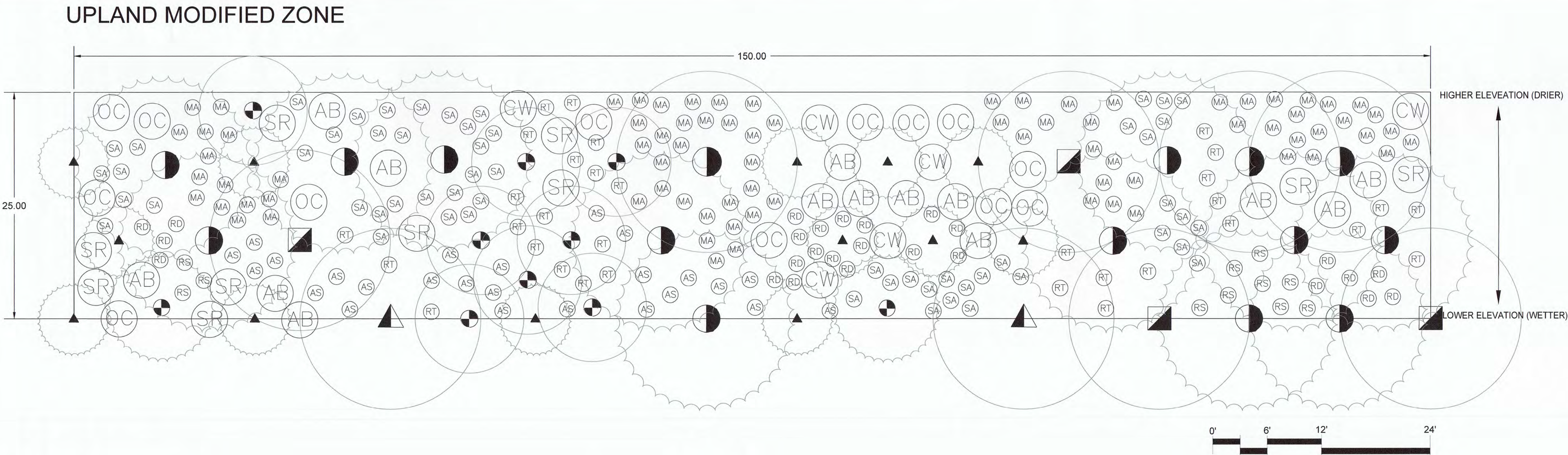
LANDSCAPE ARCHITECT

NO. 2287 EXP. 04/08/2024

Port of Tacoma

P.O. BOX 187 TACOMA, WA 98401 (206)835-5841

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION



PLANT SCHEDULE

TREES *	CODE	BOTANICAL NAME	COMMON NAME	CONT	SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	AM	ACER MACROPHYLLUM	BIG LEAF MAPLE	BARE ROOT		AB	14	ACER CIRCINATUM	VINE MAPLE	BARE ROOT
	AR	ALNUS RUBRA	RED ALDER	BARE ROOT		AS	25	AMELANCHIER ALNIFOLIA	SERVICEBERRY, JUNE BERRY	BARE ROOT
	MP2	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT		CW	6	CORYLUS CORNUTA V. CALIFORNICA	BEAKED HAZELNUT, FILBERT	BARE ROOT
	PC1	PINUS CONTORTA V. CONTORTA	SHORE PINE	BARE ROOT		MA	78	MAHONIA AQUIFOLIUM	TALL OREGON GRAPE	BARE ROOT
	PB	POPULUS TRICHOCARPA	BLACK COTTONWOOD	BARE ROOT		OC	13	OEMLERIA CERASIFORMIS	OSOBERRY	BARE ROOT
	PD	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	BARE ROOT		RD	26	RIBES DIVARICATUM	BLACK GOOSEBERRY	BARE ROOT
	TP	THUJA PLICATA	WESTERN RED CEDAR	BARE ROOT		RT	32	RUBUS PARVIFLORUS	THIMBLEBERRY	BARE ROOT
						RS	11	RUBUS SPECTABILIS	SALMONBERRY	BARE ROOT
						SR	10	SAMBUCUS RACEMOSA	RED ELDERBERRY	BARE ROOT
						SA	56	SYMPHORICARPOS ALBUS	COMMON SNOWBERRY	BARE ROOT

*TREE SYMBOLS SHOWN FOR SHRUB RELATIONSHIP ONLY. REFER TO ENLARGEMENT PLANS FOR TREE PLACEMENT.

NOTE: ADJUST PLANTS TO SITE CONDITIONS (EX: PLACE PLANTS THAT TOLERATE WETTER CONDITIONS IN DEPRESSIONS, TYP.)

6657
LP5.22
13

CONT/CONS: 071490
M. ID: 101449.01
PHASE:

LOWER WAPATO CREEK HABITAT PROJECT
PHASE II & III PLANTING, IRRIGATION, FENCING, AND
LANDSCAPE MAINTENANCE
UPLAND MODIFIED ZONE PROTOTYPICAL PLANT LAYOUT

TOWNSHIP: 20N
DAT-HRZ: WA83-SF
PARCEL: 14

APPROVED:

DIRECTOR ENG. DATE: 02-25-2022

CHECKED BY: DATE: 02-25-2022

DUE: 02-25-2022

PROJ. ENGR. DATE: 02-25-2022

PRINTED BY: Aveo Jun 17, 2022

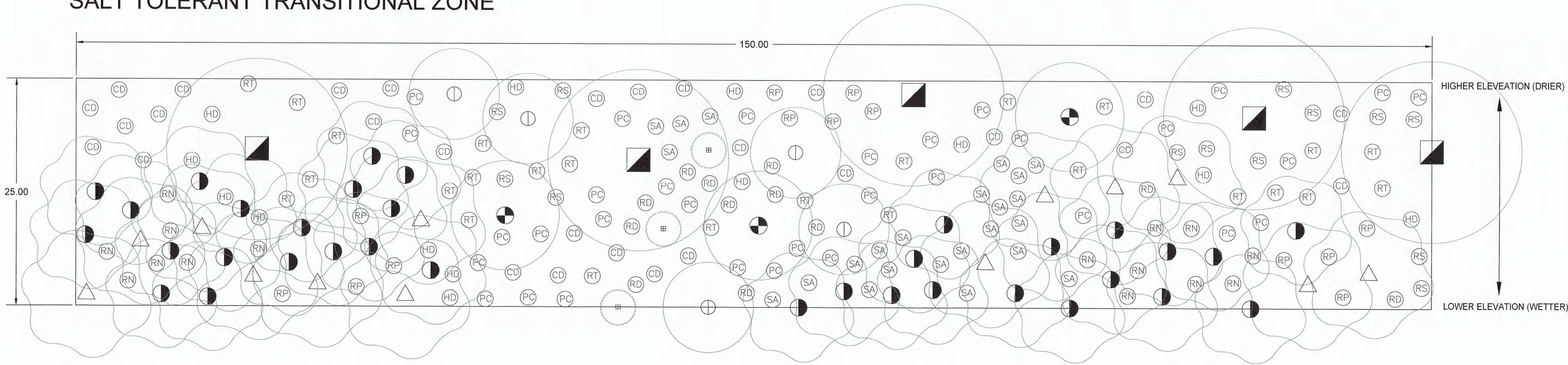
PORT ADDRESS: 1 SITCOM PLAZA
TACOMA, WA 98421

SiteWorkshop
LANDSCAPE ARCHITECTURE
3800 Westland Park Ave N Suite 200
Seattle, Washington 98103
206.285.3026
206.285.3029 fax

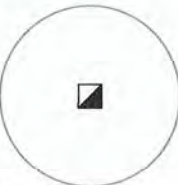
MARK: REVISION: BY: DATE: APPR:

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (206)388-5841

SALT TOLERANT TRANSITIONAL ZONE



PLANT SCHEDULE

TREES *					SHRUBS				
	CODE	BOTANICAL NAME	COMMON NAME	CONT		CODE	QTY	BOTANICAL NAME	COMMON NAME
	AR	ALNUS RUBRA	RED ALDER	BARE ROOT		CD	28	CRATAEGUS DOUGLASII	DOUGLAS HAWTHORN
	FL	FRAXINUS LATIFOLIA	OREGON ASH	BARE ROOT		HD	14	HOLODISCUS DISCOLOR	OCEAN SPRAY
	MP2	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT		PC	32	PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK
	PS	PICEA SITCHENSIS	SITKA SPRUCE	BARE ROOT		RD	12	RIBES DIVARICATUM	BLACK GOOSEBERRY
	SL	SALIX LASIANDRA	PACIFIC WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH		RN	15	ROSA NUTKANA	NOOTKA ROSE
	SS2	SALIX SCOULERIANA	SCOULER WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH		RP	13	ROSA PISOCARPA	PEAFRUIT ROSE, CLUSTERED WILD ROSE
						RT	26	RUBUS PARVIFLORUS	THIMBLEBERRY
						RS	13	RUBUS SPECTABILIS	SALMONBERRY
						SA	24	SYMPHORICARPOS ALBUS	COMMON SNOWBERRY

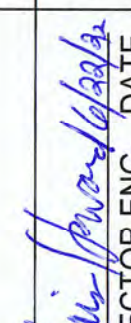
*TREE SYMBOLS SHOWN FOR SHRUB RELATIONSHIP ONLY. REFER TO ENLARGEMENT PLANS FOR TREE PLACEMENT.

NOTE: ADJUST PLANTS TO SITE CONDITIONS (EX: PLACE PLANTS THAT TOLERATE WETTER CONDITIONS IN DEPRESSIONS, TYP.)



SiteWorkshop
LANDSCAPE ARCHITECTURE
3800 Woodland Park Ave N Suite 200
Tacoma, WA 98404
206.383.5841
206.285.3829 fax

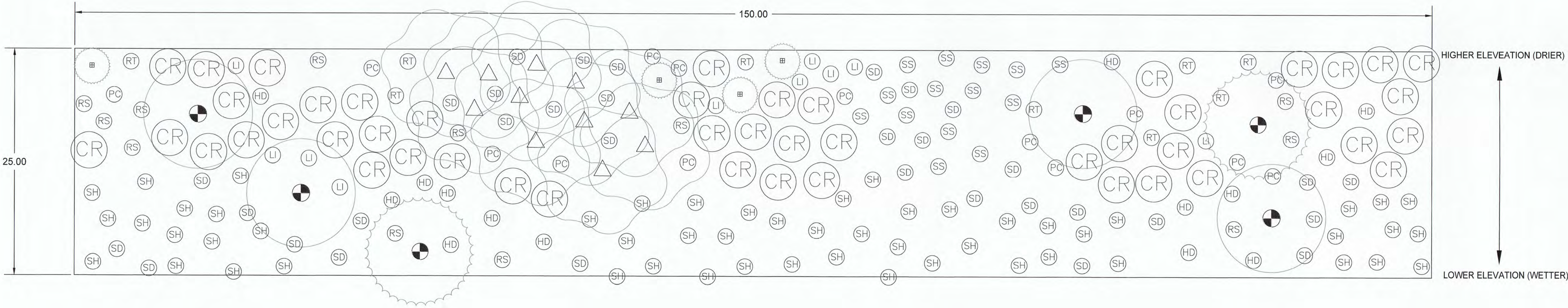


CHECKED BY	DATE
DJE	02-25-2022
APPROVED:	
	
DIRECTOR/ENGR.	DATE
PRINTED BY:	Aveeo Jun 17, 2022
PORT ADDRESS:	1 SITCOM PLAZA TACOMA, WA 98421

LOWER WAPATO CREEK HABITAT PROJECT PHASE II & III PLANTING, IRRIGATION, FENCING, AND LANDSCAPE MAINTENANCE			
TRANSITIONAL ZONE PROTOTYPICAL PLANT LAYOUT			
TOWNSHIP: 20N	RANGE: 3E	SECTION: 1	VERT: MLLW (PORT OF TACOMA TIDAL)
DAT-HRZ: WA83-SF	PARCEL: 14	DRAWING SCALE: AS NOTED	

6657	14
CONT/CONS: 071490	101449.01
M. ID:	PHASE:

SALT TOLERANT WETLAND PALAUTRINE ZONE



PLANT SCHEDULE

TREES *	CODE	BOTANICAL NAME	COMMON NAME	CONT	SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT
	MP2	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT		CR	47	CORNUS SERICEA	RED TWIG DOGWOOD, RED OSIER DOGWOOD	BARE ROOT
	PS	PICEA SITCHENSIS	SITKA SPRUCE	BARE ROOT		HD	14	HOLODISCUS DISCOLOR	OCEAN SPRAY	BARE ROOT
	SL	SALIX LASIANDRA	PACIFIC WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH		LI	10	LONICERA INVOLUCRATA	BLACK TWINBERRY	BARE ROOT
	TP	THUJA PLICATA	WESTERN RED CEDAR	BARE ROOT		PC	14	PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK	BARE ROOT
						RT	9	RUBUS PARVIFLORUS	THIMBLEBERRY	BARE ROOT
						RS	12	RUBUS SPECTABILIS	SALMONBERRY	BARE ROOT
						SH	54	SALIX HOOKERIANA	HOOKER WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN LENGTH
						SS	14	SALIX SITCHENSIS	SITKA WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN LENGTH
						SD	33	SPIRAEA DOUGLASII	DOUGLAS SPIRAEA, HARDHACK	BARE ROOT

*TREE SYMBOLS SHOWN FOR SHRUB RELATIONSHIP ONLY. REFER TO ENLARGEMENT PLANS FOR TREE PLACEMENT.

NOTE: ADJUST PLANTS TO SITE CONDITIONS (EX: PLACE PLANTS THAT TOLERATE WETTER CONDITIONS IN DEPRESSIONS, TYP.)

6657

LP5.24

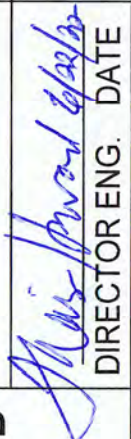
15

CON/CONS: 071490
M. ID: 101449.01
PHASE:

LOWER WAPATO CREEK HABITAT PROJECT
PHASE II & III PLANTING, IRRIGATION, FENCING, AND
LANDSCAPE MAINTENANCE
SALT TOLERANT WETLAND PALAUTRINE FORESTED ZONE
PROTOTYPICAL PLANT LAYOUT

TOWNSHIP: 20N
DAT-HRZ: WA83-SF
PARCEL: 14

APPROVED:


DIRECTOR ENG. DATE: Aveco Jun 17, 2022
PRINTED BY: 1 SITCOM PLAZA
PORT ADDRESS: TACOMA, WA 98421

CHECKED BY: DATE: 02-25-2022
DUE: 02-25-2022
PROJ. ENGR: DATE: 04/06/2024

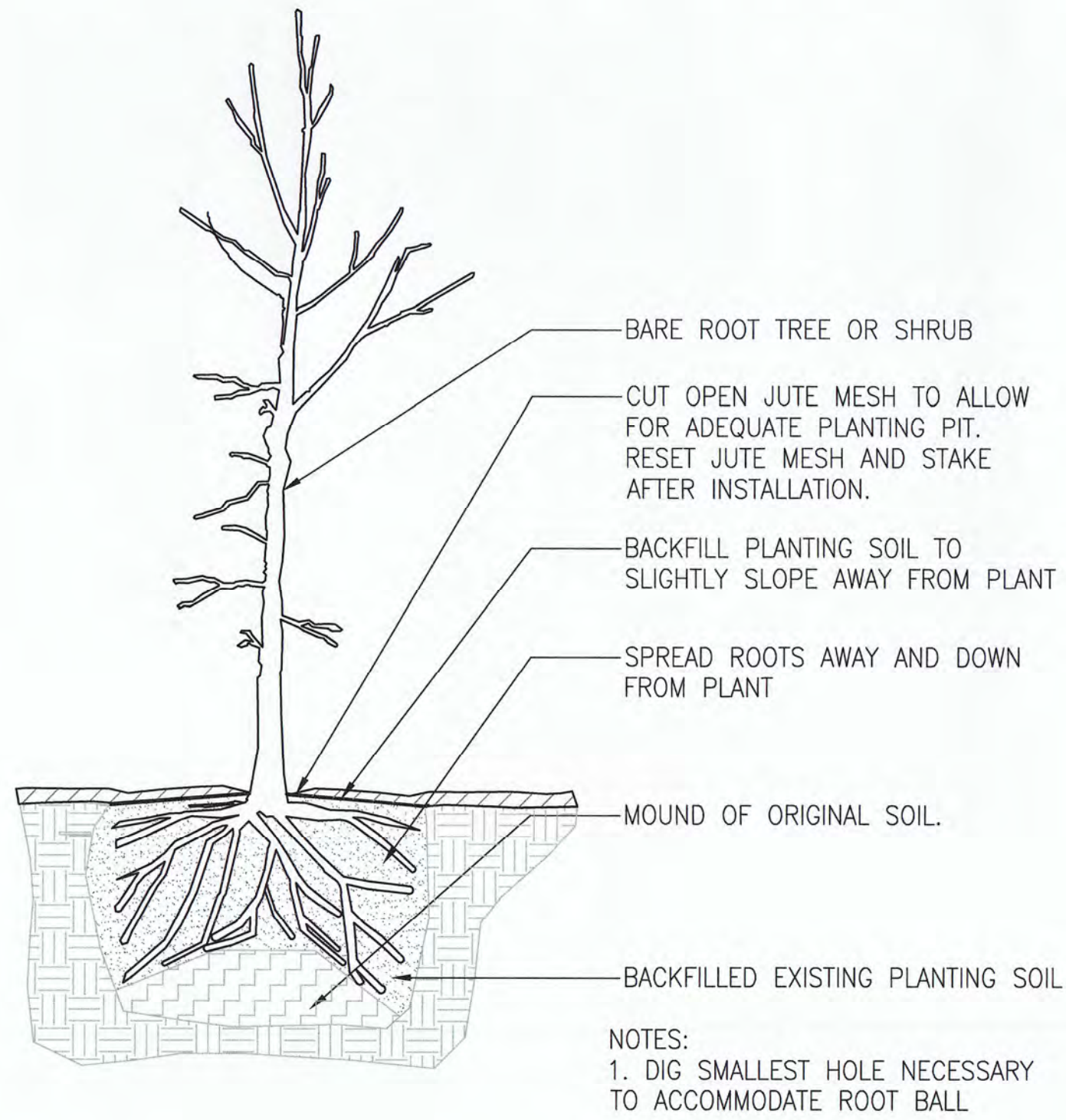
EXP. 04/06/2024

SiteWorkshop
LANDSCAPE ARCHITECTURE
3800 Woodland Park Ave N Suite 200
Seattle, Washington 98103
206.285.3025
206.285.3029 fax

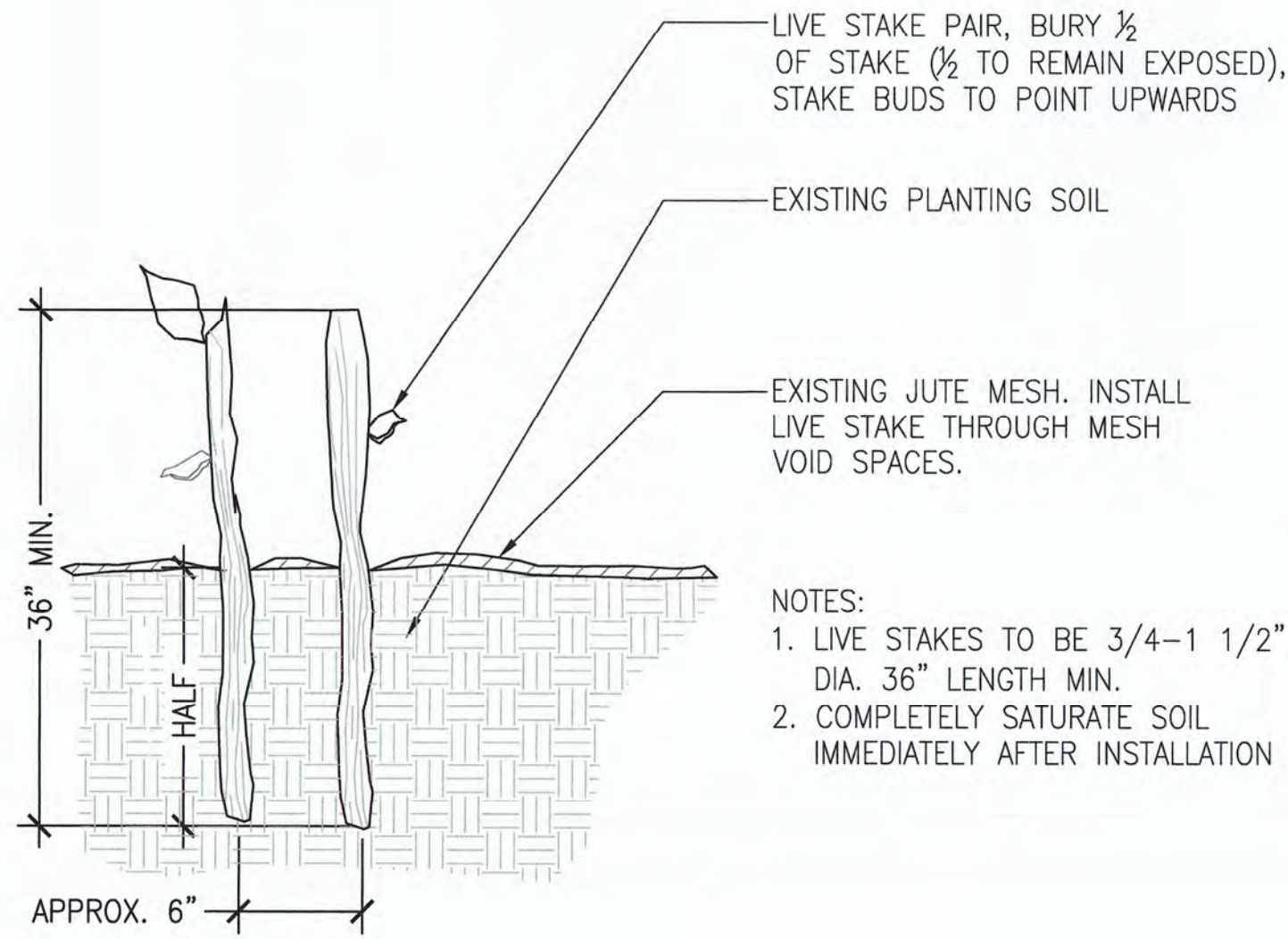
DATE:
APPR:
BY:
REVISION:



P.O. BOX 1807 TACOMA, WA 98401 (206)383-3441

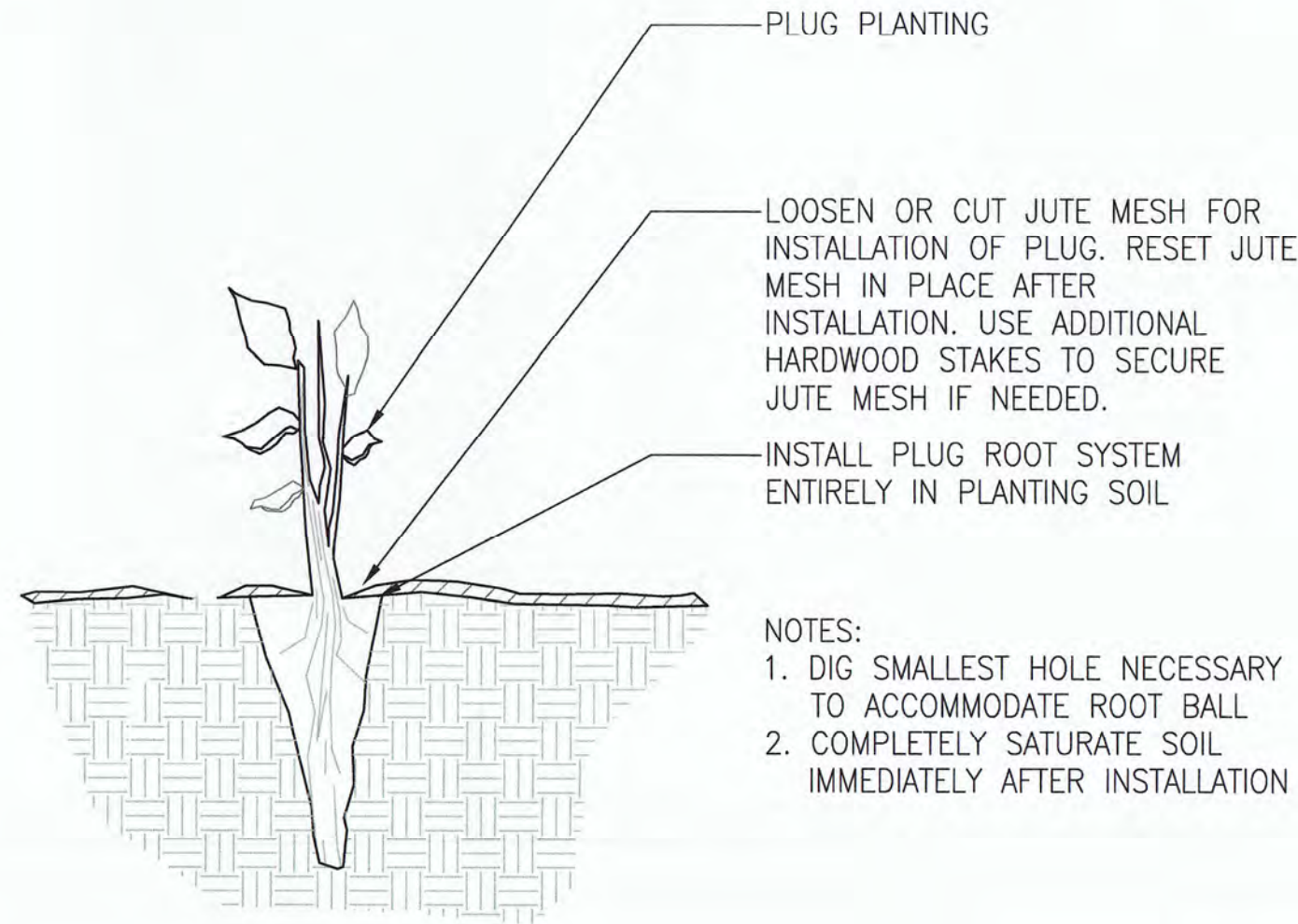


1 BARE ROOT PLANTING
N.T.S.



2 LIVE STAKE PLANTING
N.T.S.

WP-LIVE STAKE



3 PLUG PLANTING
N.T.S.

6657
LP5.30
16

LOWER WAPATO CREEK HABITAT PROJECT
PHASE II & III PLANTING, IRRIGATION, FENCING, AND
LANDSCAPE MAINTENANCE
PLANTING DETAILS

CONT/CONS:	071490	TOWNSHIP: 20N	RANGE: 3E	SECTION: 1
M. ID:	101449.01	DAT-HRZ: WA83-SF	VERT: MLLW (PORT OF TACOMA TIDAL)	
PHASE:		PARCEL: 14	DRAWING SCALE: AS NOTED	

APPROVED:

John Howard
DIRECTOR ENG.

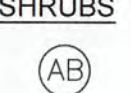
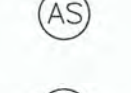
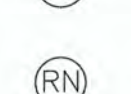
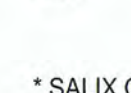
CHECKED BY	DATE
DJE	02-25-2022
PROJECT ENGR	DATE
PROJECT ENGR	DATE
PRINTED BY:	Aveeo Jun 17, 2022
PORT ADDRESS:	1 SITCOM PLAZA TACOMA, WA 98421



SiteWorkshop
LANDSCAPE ARCHITECTURE
3800 Woodland Park Ave N Suite 200
Seattle, Washington 98103
206.285.3629 fax

MARK REVISION: BY: DATE: APPR: DATE:

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	ZONES
	AM	200	ACER MACROPHYLLUM	BIG LEAF MAPLE	BARE ROOT	U, UM, T
	AR	500	ALNUS RUBRA	RED ALDER	BARE ROOT	U, UM, T
	FL	300	FRAXINUS LATIFOLIA	OREGON ASH	BARE ROOT	T
	MP2	500	MALUS FUSCA	PACIFIC CRABAPPLE	BARE ROOT	U, UE, UM, T, W
	PS	300	PICEA SITCHENSIS	SITKA SPRUCE	BARE ROOT	T, W
	PC1	400	PINUS CONTORTA V. CONTORTA	SHORE PINE	BARE ROOT	U, UM
	PB	200	POPULUS TRICHOCARPA	BLACK COTTONWOOD	BARE ROOT	U, UM
	PD	600	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	BARE ROOT	U, UE, UM
	SL	*1400	SALIX LASIANDRA	PACIFIC WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH	T, W
	SS2	*3000	SALIX SCOULERIANA	SCOULER WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN. LENGTH	T, W
	TP	200	THUJA PLICATA	WESTERN RED CEDAR	BARE ROOT	U, UM, T, W
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	AB	500	ACER CIRCINATUM	VINE MAPLE	BARE ROOT	U, UE, UM
	AS	200	AMELANCHIER ALNIFOLIA	SERVICEBERRY, JUNE BERRY	BARE ROOT	UM
	CR	900	CORNUS SERICEA	RED TWIG DOGWOOD, RED OSIER DOGWOOD	BARE ROOT	W
	CW	300	CORYLUS CORNUTA V. CALIFORNICA	BEAKED HAZELNUT, FILBERT	BARE ROOT	U, UM
	CD	1300	CRATAEGUS DOUGLASII	DOUGLAS HAWTHORN	BARE ROOT	T
	HD	900	HOLODISCUS DISCOLOR	OCEAN SPRAY	BARE ROOT	T, W
	LI	400	LONICERA INVOLUCRATA	BLACK TWINBERRY	BARE ROOT	W
	MA	2500	MAHONIA AQUIFOLIUM	TALL OREGON GRAPE	BARE ROOT	U, UM
	OC	400	OEMLERIA CERASIFORMIS	OSOBERRY	BARE ROOT	U, UE, UM
	PC	1800	PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK	BARE ROOT	T, W
	RD	900	RIBES DIVARICATUM	BLACK GOOSEBERRY	BARE ROOT	UM, T
	RG	900	ROSA GYMNOCARPA	BALD HIP ROSE	BARE ROOT	U
	RN	1300	ROSA NUTKANA	NOOTKA ROSE	BARE ROOT	U, T
	RP	1400	ROSA PISOCARPA	PEAFRUIT ROSE, CLUSTERED WILD ROSE	BARE ROOT	U, T
	RT	3100	RUBUS PARVIFLORUS	THIMBLEBERRY	BARE ROOT	U, UE, UM, T, W
	RS	1000	RUBUS SPECTABILIS	SALMONBERRY	BARE ROOT	UM, T, W
	SH	*2000	SALIX HOOKERIANA	HOOKER WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN LENGTH	W
	SS	*500	SALIX SITCHENSIS	SITKA WILLOW	TWO (2) 3/4" - 1 1/2" DIA., 36" MIN LENGTH	W
	SR	500	SAMBUCUS RACEMOSA	RED ELDERBERRY	BARE ROOT	U, UE, UM
	SD	700	SPIRAEA DOUGLASII	DOUGLAS SPIRAEA, HARD HACK	BARE ROOT	W
	SA	3400	SYMPHORICARPOS ALBUS	COMMON SNOWBERRY	BARE ROOT	U, UM, T

* SALIX QTY INCLUDES TWO LIVE STAKES PER TREE SYMBOL. SEE DETAIL 2 ON LP5.30.

EMERGENTS - SPACED 18" O.C.	ZONE	QTY	SIZE
CAREX LYNGBYEI LYNDBY'S SEDGE	E	12,800	10 CU. IN. PLUG
CAREX OBNUPTA SLOUGH SEDGE	E	12,800	10 CU. IN. PLUG
CAREX STIPATA SAWBEAK SEDGE	E	12,800	10 CU. IN. PLUG
ELEOCHARIS PALUSTRIS COMMON SPIKERUSH	E	12,800	10 CU. IN. PLUG
JUNCUS ACUMINATUS TAPERTIP RUSH	E	12,800	10 CU. IN. PLUG
JUNCUS ENSIFOLIUS DAGGERLEAF RUSH	E	12,800	10 CU. IN. PLUG
SCHOENOPLECTUS (SCIRPUS) ACUTUS V. ACUTUS HARDSTEM BULRUSH	E	12,800	10 CU. IN. PLUG
SCHOENOPLECTUS PUNGENS (SCIRPUS AMERICANUS) THREESQUARE, AMERICAN BULRUSH	E	12,800	10 CU. IN. PLUG
BOLBOSCHOENUS (SCHOENOPLECTUS, SCIRPUS) MARITIMUS COSMOPOLITAN BULRUSH	E	12,800	10 CU. IN. PLUG

NOTE: PORT IS PROCURING ALL TREES, SHRUBS, AND EMERGENTS FROM FOURTH CORNER NURSERY & NATIVE SEED MIX FOR OVERSEEDING FROM INSIDE PASSAGE.

6657

LP5.31

17

CONTR/CONS: 071490

M. ID: 101449.01

PHASE:

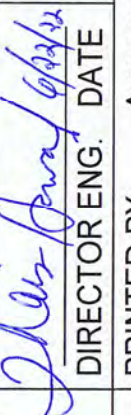
LOWER WAPATO CREEK HABITAT PROJECT

PHASE II & III PLANTING, IRRIGATION, FENCING, AND

LANDSCAPE MAINTENANCE

PLANTING SCHEDULE

APPROVED:



CHECKED BY: DJE

DATE: 02-25-2022

DIRECTOR ENG: DATE: Aveeo Jun 17, 2022

PRINTED BY: Aveeo Jun 17, 2022

TOWNSHIP: 20N

DAT-HRZ: WA83-SF

PARCEL: 14

RANGE: 3E

VERT: MLW (PORT OF TACOMA TIDAL)

DRAWING SCALE: AS NOTED

SECTION: 1

PORT ADDRESS: 1 SITCOM PLAZA

TACOMA, WA 98421



SiteWorkshop

LANDSCAPE ARCHITECTURE

3800 Woodland Park Ave N Suite 200

Seattle, WA 98103

206.285.3025

206.285.3029 fax



MARK:

REVISION:

BY:

DATE:

THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK. DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION