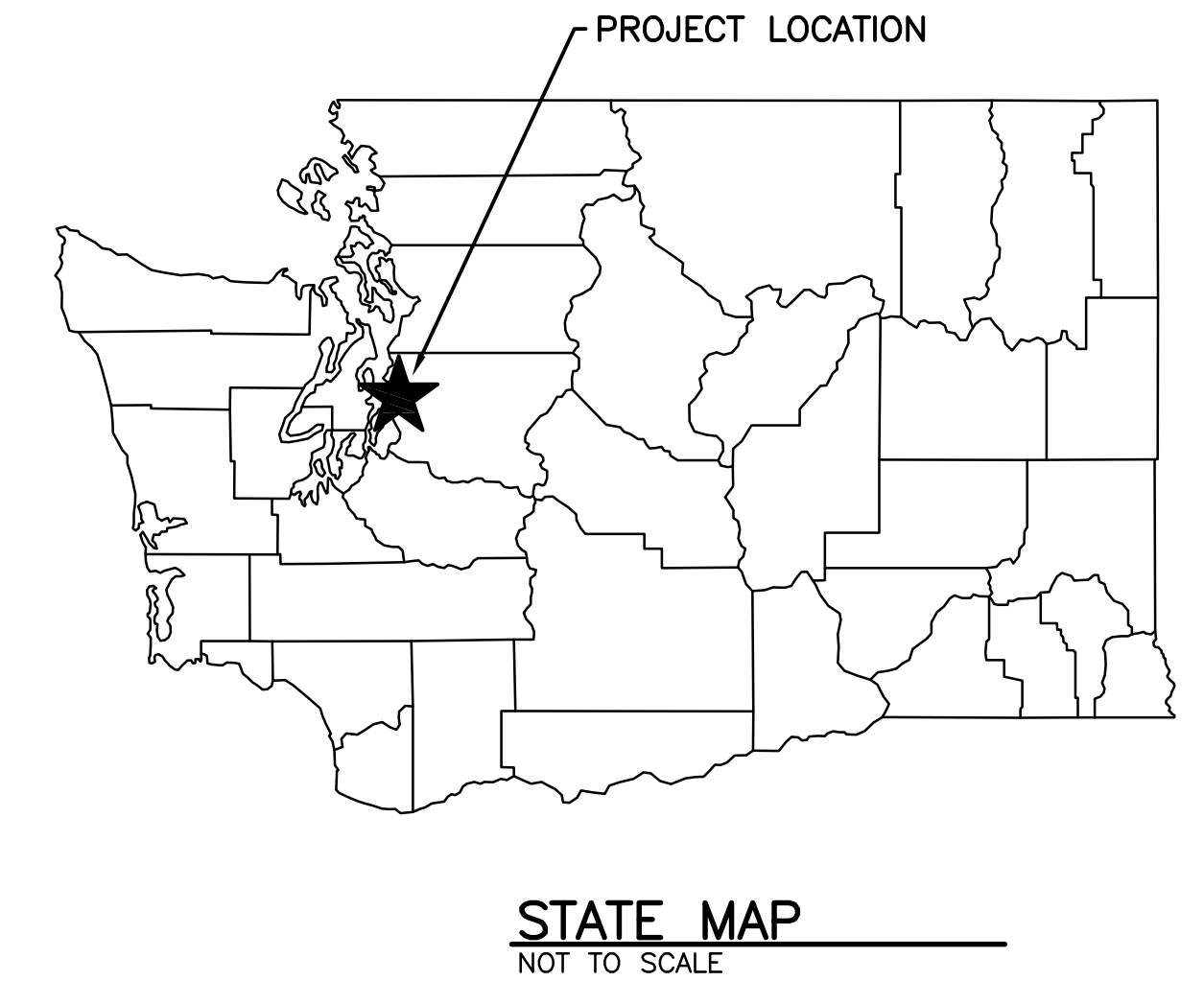




WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

CENTENNIAL PARK ELLIOTT BAY FISHING PIER KG:A800:2024-1



PROJECT INFORMATION

ADDRESS:

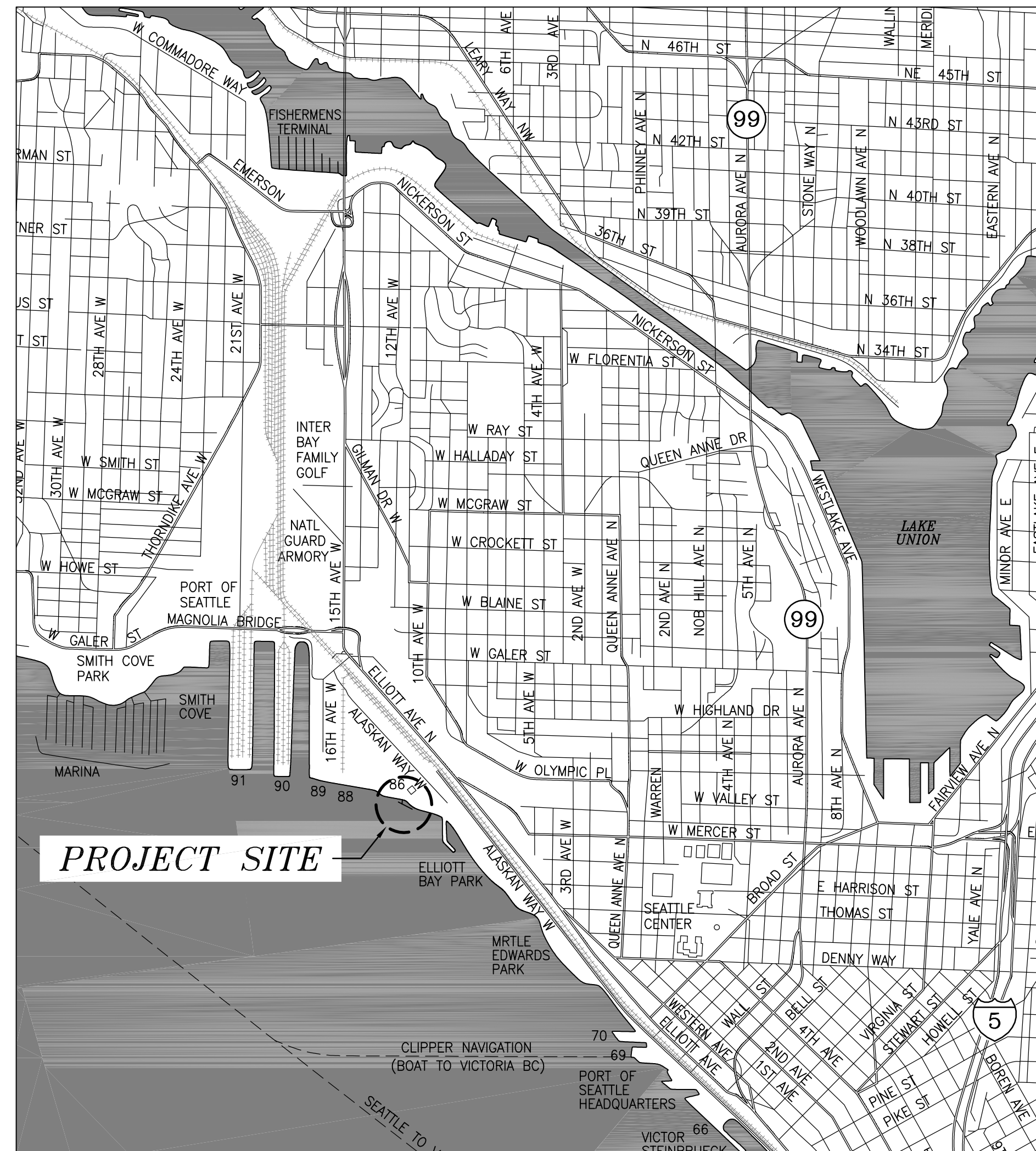
2711 ALASKAN WAY W
SEATTLE, WA, 98119

LOCATION:

LAT: 47°37'30.10" N
LONG: -122°22'14.32" W
SECTION: 25
TOWNSHIP: T25N
RANGE: R03E W.M.
PARCELS: 2055
AREA: CENTENNIAL PARK

OWNER:

WASHINGTON STATE DEPARTMENT OF FISH AND WILDLIFE
600 CAPITAL WAY N.
OLYMPIA, WA 98501
(360-902-8300)
DON PONDER, CHIEF ENGINEER
PETER STOESSSEL, PROJECT MANAGER



VICINITY MAP
NOT TO SCALE

SHEET INDEX

#	TITLE
G1.0	LOCATION MAP, VICINITY MAP, AND SHEET INDEX
G1.1	ABBREVIATIONS AND SYMBOLS
G1.2	EXISTING SITE CONDITIONS AND PROJECT CONTROL
G1.3	TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
G1.4	TEMPORARY EROSION AND SEDIMENTATION CONTROL DETAILS
C1.0	DEMOLITION PLAN
C2.0	PIER PLAN
C2.1	ACCESS TRESTLE ELEVATION
C2.2	FISHING PIER ELEVATION
C3.0	UTILITY PLAN
C3.1	UTILITY DETAILS AND NOTES
S0.1	GENERAL STRUCTURAL NOTES
S0.2	SPECIAL INSPECTION SCHEDULE
S1.0	ACCESS TRESTLE PLAN
S1.1	FISHING PIER PLAN
S1.2	PIER SECTIONS AND DETAILS
S1.3	RAILING SECTIONS AND DETAILS
E0.1	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E1.1	ELECTRICAL PLAN
E6.1	ELECTRICAL ONE-LINE DIAGRAM
L1.1	LAYOUT PLAN
L1.2	PLANTING PLAN
L1.3	IRRIGATION PLAN
L1.4	SITE SECTION
L1.5	HARDSCAPE DETAILS
L1.6	PLANTING DETAILS
L1.7	IRRIGATION DETAILS

NOT APPROVED
FOR
CONSTRUCTION

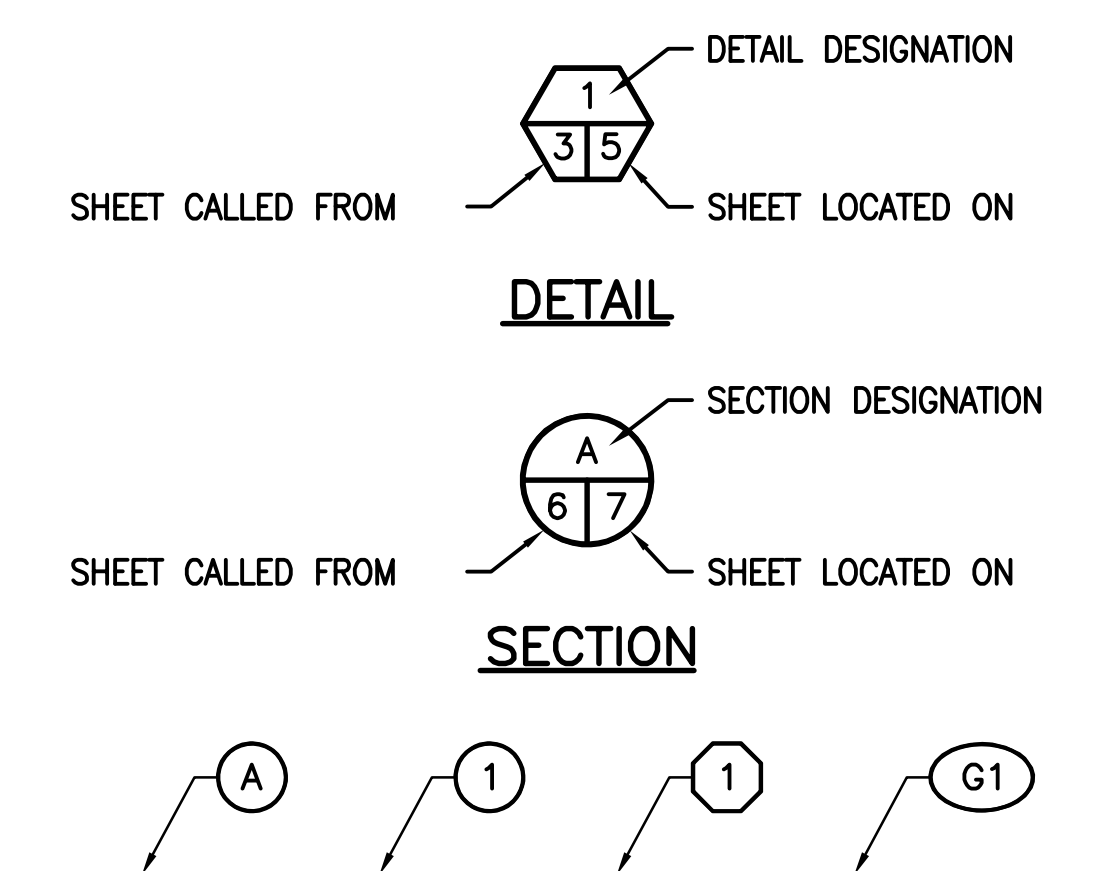
PROJECT NO.
KG:A800:2024-1

SHEET	OF
1	27

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS	CMP	CORRUGATED METAL PIPE	EW	EACH WAY	JB	JUNCTION BOX	PEN	PENETRATION	SSMH	SANITARY SEWER MANHOLE
AB	ANCHOR BOLT	CMU	CONC MASONRY UNIT	EXC	EXCAVATION	JT(S)	JOINT(S)	PED	PEDESTRIAN	ST	STREET
ABAND	ABANDONED	CNTY	COUNTY	EXIST	EXISTING	K	KIP (1,000 LB)	PERP	PERPENDICULAR	STA	STATION
ABUT	ABUTMENT	CO	CLEAN OUT	EXP	EXPANSION	KSF	KIPS PER SQUARE FOOT	PI	POINT OF INTERSECTION	STD	STANDARD
ACI	AMERICAN CONCRETE INSTITUTE	COL	COLUMN	EXT	EXTERIOR, EXTENSION	PL, PL	PLATE	PL, PL	PANEL	STIFF	STIFFENER
ADDL	ADDITIONAL	COM	COMMON	EVT	EVERETT	PNL	PANEL	POC	POINT OF CONNECTION	STIR	STIRRUP
ADJ	ADJUST, ADJACENT	CONC	CONCRETE	FDN	FOUNDATION	PROP	PROPERTY	PRV	PRES REDUCING VALVE	STPS	STEPS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	CONN	CONNECT, CONNECTION	FLG	FLANGE	PSF	POUNDS PER SQUARE FOOT	PS	PRESTRESS	STL	STEEL
ALIGN	ALIGNMENT	CONST	CONSTRUCT, CONSTRUCTION	FF	FINISH GRADE	PS	POUNDS PER SQUARE FOOT	PT	POINT OF TANGENT	STRUC	STRUCTURAL
ALUM	ALUMINUM	CONT	CONTINUED/CONTINUOUS	FG	FINISH GRADE	PSI	POUNDS PER SQUARE INCH	PUD	PUBLIC UTILITY DISTRICT	SUPP	SUPPORT
ALT	ALTERNATE	CONTR	CONTRACTOR	FH	FIRE HYDRANT	PT	POINT OF TANGENT	PVC	POLYVINYL CHLORIDE	S/W	SIDEWALK
ANCH	ANCHOR	COORD	COORDINATE	FIG	FINISH GRADE, FINISH FLOOR	LP	LOW POINT	PVMT	PAVEMENT	SYM	SYMMETRICAL, SYMBOL
AP	ANGLE POINT	CTR	CENTER, CENTERED	FIN	FINISH, FINISHED	LSH	LONG SLOTTED HOLE	P/C	PRECAST	TB	THRUST BLOCK
APPROX	APPROXIMATELY	CU	CUBIC	FLR	FLOOR	LT	LEFT	P/L	PROPERTY LINE	TAN	TANGENT
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	CULV	CULVERT	FM	FORCE MAIN	LUMIN	LUMINAIRE	P/S	PRESTRESSED	T&B	TOP & BOTTOM
ARCH	ARCHITECT, ARCHITECTURAL	CYL	CYLINDER	FNC	FENCE	M	METER	P/T	POST-TENSIONED	TBM	TEMPORARY BENCH MARK
ARCH	ARCHITECT, ARCHITECTURAL	DBL	DOUBLE	FOC	FACE OF CURB	MATL	MATERIAL	Q	QUADRUPOLE	TD	TRENCH DRAIN
ARV	AIR RELIEF VALVE	DDCV	DOUBLE DETECTOR CHECK VALVE	FT	FACE OF WALL	MAX	MAXIMUM	QTY	QUANTITY	TEL	TELEPHONE
ASPH	ASPHALT	DEMO	DEMOLISH, DEMOLITION	FTG	FEET/FOOT FOOTING	MECH	MECHANICAL	R	RADIUS	TEMP	TEMPORARY
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	DEG	DEGREE	G	GAS LINE	MFR(S)	MANUFACTURER(S)	RC	REINFC CONC	THK	THICK, THICKNESS
AVE	AVENUE	DET	DETAIL	GA	GAUGE	MH	MANHOLE	RD	ROOF DRAIN	THRU	THROUGH
AVG	AVERAGE	DI	DUCTILE IRON	GAL	GALLON	MHW	MEAN HIGH WATER	REF	REFERENCE	TMH	TELEPHONE MANHOLE
B	BLACK	DIA	DIAMETER	GALV	GALVANIZED	MHHW	MEAN HIGHER HIGH WATER	REIN	REINFORCE(D)(MENT)(ING)	TOE	CONCAVE SLOPE BREAK
BL	BLUE	DIAG	DIAGONAL	GB	GRADE BREAK	MIC	MONUMENT IN CASE	REQD	REQUIRED	TOP	CONVEX SLOPE BREAK
BLDG	BUILDING	DIAPH	DIAPHRAGM	GE	GRATE ELEVATION	MIN	MINIMUM	RET	RETAINING	TOPO	TOPOGRAPHY
BLK	BLOCK, BLOCKING	DICA	DRILLED-IN CONCRETE ANCHOR	GEN	GENERAL	MISC	MISCELLANEOUS	RETW	RETAINING WALL	TOT	TOTAL
BLVD	BOULEVARD	DIM	DIMENSION	GM	GAS METER	MJ	MECHANICAL JOINT	RMC	RIGID METAL CD	TOW	TOP OF WALL
BOC	BACK OF CURB	DL	DEAD LOAD	GR	GUARD RAIL	MLW	MEAN LOW WATER	RR	RAILROAD	TP	TEST PIT
BOW	BACK OF WALK	DN	DOWN	GRD	GRADE	M/L	MONUMENT LINE	RT	RIGHT	TRAN	TRANSITION
BOL	BOLLARD	DP	DEEP	GRND	GROUND	MON	MONUMENT	R/W	RIGHT OF WAY	TRANSV	TRANSVERSE
BM	BEAM, BENCH MARK	DS	DOWN SPOUT	GV	GAS VALVE	MUTCD	MANUAL ON UNIFORM TR CONTROL DEVICES	S	SOUTH, SLOPE	TR	TELEPHONE RISER
BNSF	BURLINGTON NORTHERN SANTA FE	D/W	DRIVEWAY	H	HEIGHT	N	NORTH	SB	SOIL BORING	TUN	TUNNEL
BOT	BOTTOM	DWG(S)	DRAWING(S)	HDCP	HANDICAP	NEG	NEGATIVE	SCHED	SCHEDULE	TV	TELEVISION
BRDG	BRIDGE	DWL	DOWEL	HDG	HOT DIPPED GALV	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC	SD	STORM DRAIN	TWST	TWISTED
BRG	BEARING	E	EAST	HK	HOOK	NTS	NOT TO SCALE	SEC	SECOND / SOUTHEAST	TYP	TYPICAL
BRK	BREAK	EA	EACH	HORIZ	HORIZONTAL	No.	NUMBER	SECT	SECTION	UHMW	ULTRA HIGH MOLECULAR WEIGHT
BTWN	BETWEEN	EAF	EACH FACE	HP	HIGH POINT	OD	ON CENTER	SERV	SERVICE	UG	UNDERGROUND
C	CAMBER, CHANNEL	EHW	EXTREME HIGH WATER	HSE	HOUSE	OC	OUTSIDE DIAMETER	SHLD	SHIELDED	UNO	UNLESS NOTED OTHERWISE
CAL	CALIPER	EJ	EXPANSION JOINT	HT	HEIGHT	OHW	ORDINARY HIGH WATER	SHLDR	SHOULDER	UP	UTILITY POLE
CANT	CANTILEVER	EL, ELEV	ELEVATION	HWY	HIGHWAY	OPNG	OPENING	SHT	SHEET	UPA	UTILITY POLE ANCHOR
CB	CATCH BASIN	ELB	ELBOW	ID	INSIDE DIAMETER	OPP	OPPOSITE	SIM	SIMILAR	UTIL	UTILITY
CB2	CATCH BASIN TYPE 2	EMB	EMBANKMENT	IE	INVERT ELEVATION	OT	OVERHEAD TELEPHONE	SL	SPAN LENGTH, SECTION LINE	V	VALVE
CF	CUBIC FEET	ENGR	ENGINEER	IF	INSIDE FACE	OD	OUTSIDE DIAMETER	S/L	SURVEY LINE	VAR	VARIES
CG	CURB & GUTTER	EMBED	EMBEDMENT	IJ	ISOLATION JOINT	OHW	ORDINARY HIGH WATER	SOG	SLAB ON GRADE	VERT	VERTICAL
COG	CENTER OF GRAVITY	ENGR	ENGINEER	IN	INCH/INCHES	OPNG	OPENING	SPC	SPACE, SPACED, SPACING	VLT	VAULT
COG	CENTER OF GRAVITY	EOA	EDGE OF ASPHALT	INCL	INCLUDE	OPNG	OPENING	SST	STAINLESS STEEL	W	WIDTH, WATER LINE
CI	CAST IRON	EOD	EDGE OF DIRT	INFO	INFORMATION	OPP	OPPOSITE	SOG	SLAB ON GRADE	W/L	WITH
CIP	CAST IN PLACE	EOG	EDGE OF GRAVEL	INST	INSTALL, INSTRUMENT	OT	OVERHEAD TELEPHONE	SPC	SPACE, SPACED, SPACING	WD	WOOD
CJ	CONSTRUCTION JOINT	EP	EDGE OF PAVEMENT	INSUL	INSULATION	P	POLE, POWER	SPEC(S)	SPECIFICATION(S)	WHSE	WAREHOUSE
CLF	CHAIN LINK FENCE	EQ	EQUAL	INT	INTERIOR, INTERMEDIATE	PAR	PARALLEL	SQ	SQUARE	WM	WATER METER, WATERMAIN
CL	CENTERLINE	EQUIP	EQUIPMENT	INV	INVERT	PC	PRECAST	SS	SANITARY SEWER	WP	WORK POINT
CLR	CLEARANCE, CLEAR	ETC	ETCETERA	IP	IRON PIPE	PCF	POUNDS PER CUBIC FOOT			WT	WEIGHT

SHEET SYMBOLS

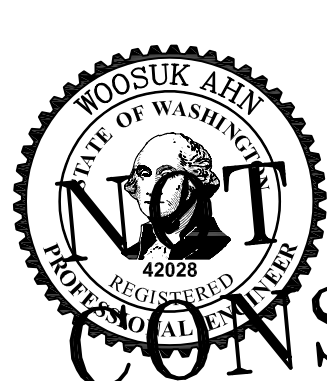


NOTE REFERENCE
 REFERENCE DESIGNATION TO A NOTE, A PART, OR MATERIAL IN A SCHEDULE/TABLE

Oct 14, 2024 - 2:33pm H:\24W\2024\009 Elliott Bay Fishing Pier Design\Drafting\Design - CAD_2019\4409-G11.dwg Layout Name: G11

Reid Middleton
 728 134th Street SW Suite 200
 Everett, Washington 98204
 Ph: 425 741-3800

WASHINGTON DEPARTMENT OF FISH & WILDLIFE



APPROVED FOR CONSTRUCTION. REVIEW ONLY

DESIGNED BY B. McRAE
 CHECKED BY W. AHN
 DRAWN BY D. OLSEN
 DATE 10/14/2024

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
 ABBREVIATIONS AND SYMBOLS

DISCIPLINE SHEET #	
G1.1	
PROJECT NO.	
KG:A800:2024-1	
SHEET	OF
2	27

SURVEY

SURVEY CONDUCTED AND PROVIDED BY BUSH, ROED, AND HITCHINGS, INC. (BRH). SURVEY WAS CONDUCTED IN 2014, 2015, AND 2024.

BRH
2009 MINOR AVE E
SEATTLE, WA 98102-3513
206-323-4144

NW 1/4 OF SECTION 25 & NE 1/4 OF SECTION 26, TOWNSHIP 25 NORTH,
RANGE 3 EAST, W.M.

DATUMS

HORIZONTAL DATUM: CITY OF SEATTLE ENGINEERS DATUM

OWNER: CITY OF SEATTLE
DESCRIPTION: FOUND CONC MONUMENT IN CASE W/ 3/8" BRASS ROD DOWN 0.8
LOCATION: INTERSECTION OF W GALER ST AND 16th AVE W
NORTHING: 234195.93
EASTING: 1259643.36

OWNER: CITY OF SEATTLE
DESCRIPTION: FOUND CONC. MONUMENT IN CASE W/ 5/6" BRASS PIN DOWN 1.0'
LOCATION: INTERSECTION OF ELLIOTT AVE W AND W PROSPECT ST
NORTHING: 233107.67
EASTING: 1261256.05

VERTICAL DATUM: NAVD 88

SOURCE: CITY OF SEATTLE
ID#: SMP-5-09
DESCRIPTION: 2" BRASS DISC
LOCATION: SET IN CONC WALK AT THE SE QUADRANT OF ELLIOTT AVE AND GALER FLY-OVER
ELEVATION: 17.67'

SOURCE: CITY OF SEATTLE
ID#: SMP-5-08
DESCRIPTION: 2" BRASS DISC
LOCATION: SE QUADRANT OF ELLIOTT AVE AND W LEE ST
ELEVATION: 18.42'

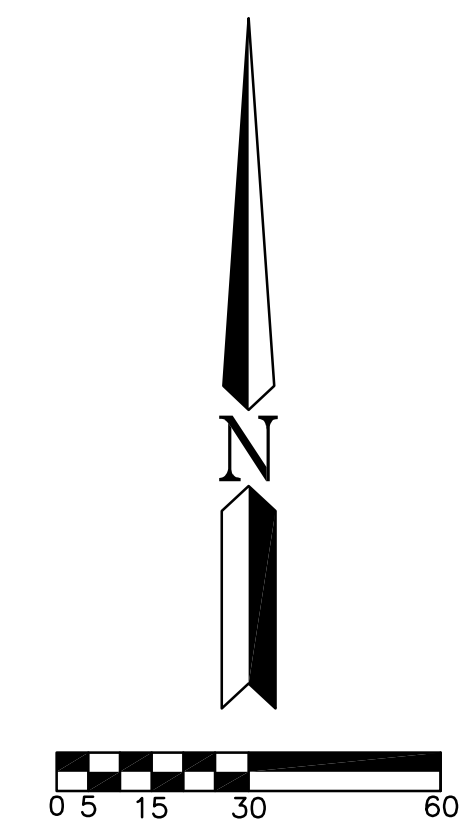
CONVERSION FROM NAVD88 VERTICAL DATUM TO MLLW=0.0 DATUM
SOURCE: BRH
CONVERSION: NAVD88 + 2.7 FEET = MLLW 0.0

TIDAL ELEVATIONS

SOURCE: NOAA TIDES AND CURRENTS. DATUMS FOR ST 9447130, ELLIOTT BAY, SEATTLE, WA
([HTTPS://TIDESANDCURRENTS.NOAA/GOV/](https://tidesandcurrents.noaa.gov/))

TIDE	DESCRIPTION	ELEVATION IN NAVD 88 DATUM (FEET)	ELEVATION IN MLLW=0.00 DATUM (FEET)
EHT	HIGHEST OBSERVED TIDE	11.78	14.48
OHW	ORDINARY HIGH WATER	10.10	12.80
MHHW	MEAN HIGHER HIGH WATER	8.66	11.36
MHW	MEAN HIGH WATER	7.79	10.49
MTL	MEAN TIDE LEVEL	3.96	6.66
MLW	MEAN LOW WATER	0.13	2.83
MLLW	MEAN LOWER LOW WATER	-2.70	0.00
ELT	LOWEST OBSERVED TIDE	-7.74	-5.04

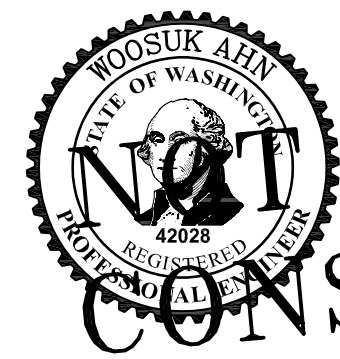
EXISTING CONDITIONS SURVEY
SCALE: 1" = 30'



Oct 14, 2024 - 2:33pm
 H:\24W\2024\009 Elliott Bay Fishing Pier Design\Drafting\Design - CAD_2019\4409-G12.dwg Layout Name: G12

ReidMiddleton
728 134th Street SW Suite 200
Everett, Washington 98204
Ph: 425 741-3800

WASHINGTON DEPARTMENT OF FISH & WILDLIFE



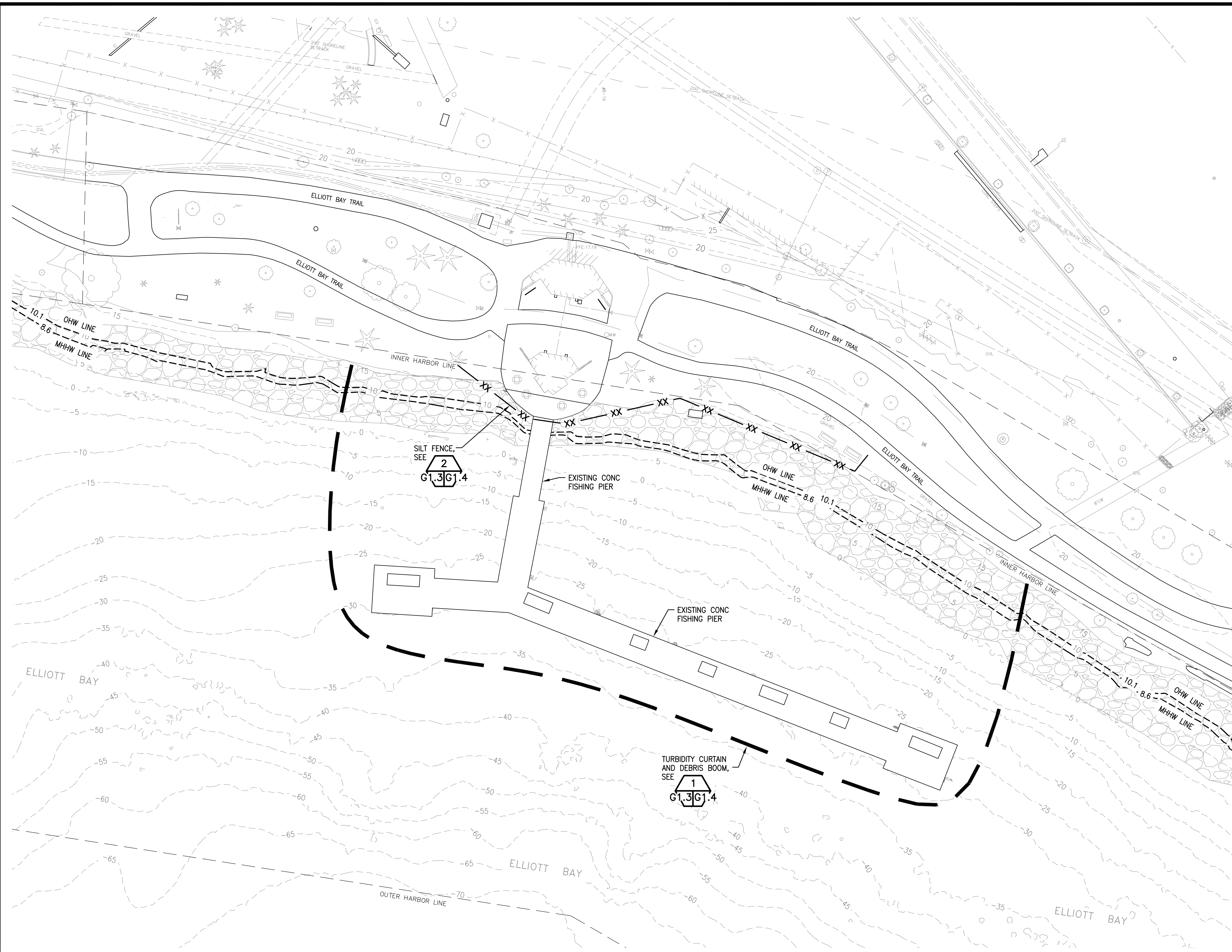
APPROVED FOR CONSTRUCTION. REVIEW ONLY

DESIGNED BY B. McRAE
CHECKED BY W. AHN
DRAWN BY D. OLSEN
DATE: 10/14/2024

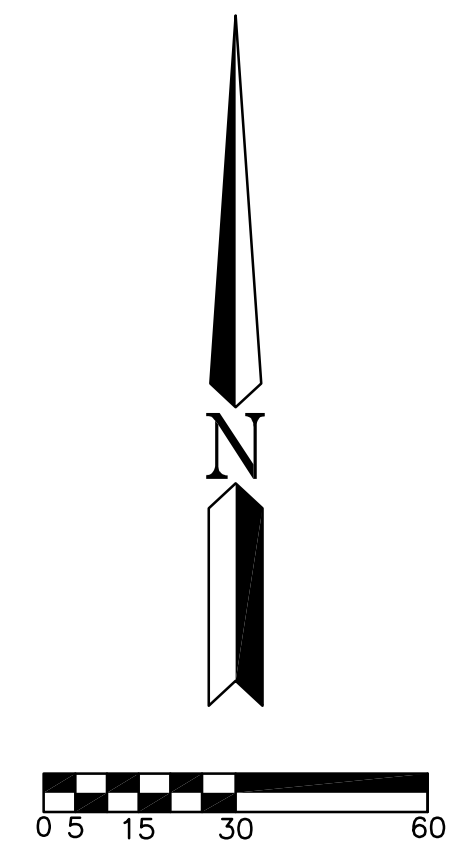
CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
EXISTING SITE CONDITIONS AND PROJECT CONTROL

DISCIPLINE SHEET #
G1.2
PROJECT NO.
KG:A800:2024-1
SHEET **3** OF **27**

Oct 14, 2024 - 2:54pm - H:\24W\2024\009 Elliott Bay Fishing Pier Design\Drafting\Design - CAD_2019\4409-G1.3.dwg - Layout - Name: G1.3

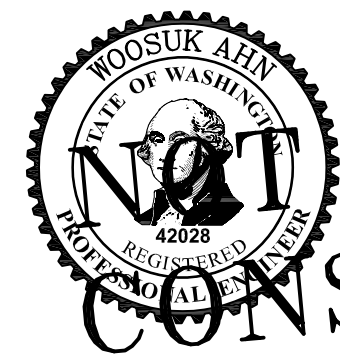


TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
 SCALE: 1" = 30'



ReidMiddleton
 728 134th Street SW Suite 200
 Everett, Washington 98204
 Ph: 425 741-3800

WASHINGTON DEPARTMENT OF
FISH & WILDLIFE



APPROVED FOR CONSTRUCTION. REVIEW ONLY
 REVISION DESCRIPTION BY DATE
 APPROVED AND RELEASED FOR CONSTRUCTION
 CHIEF ENGINEER DATE: _____
 PROGRAM DATE: _____

DESIGNED BY B. McRAE
 CHECKED BY W. AHN
 DRAWN BY D. OLSEN
 DATE 10/14/2024

CENTENNIAL PARK
 ELLIOTT BAY FISHING PIER
 TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN

DISCIPLINE SHEET #
G1.3

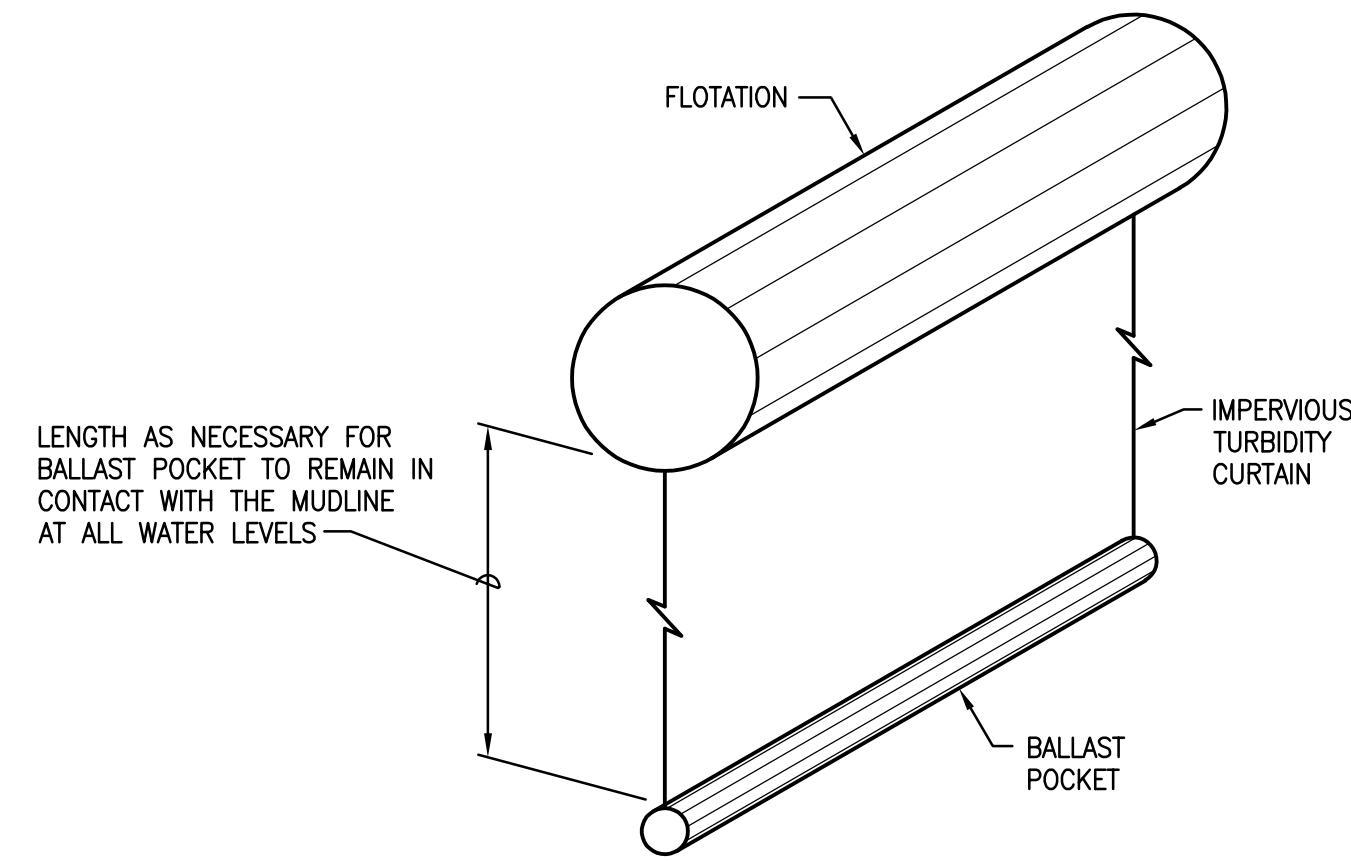
PROJECT NO.
 KG:A800:2024-1

SHEET OF
4 27

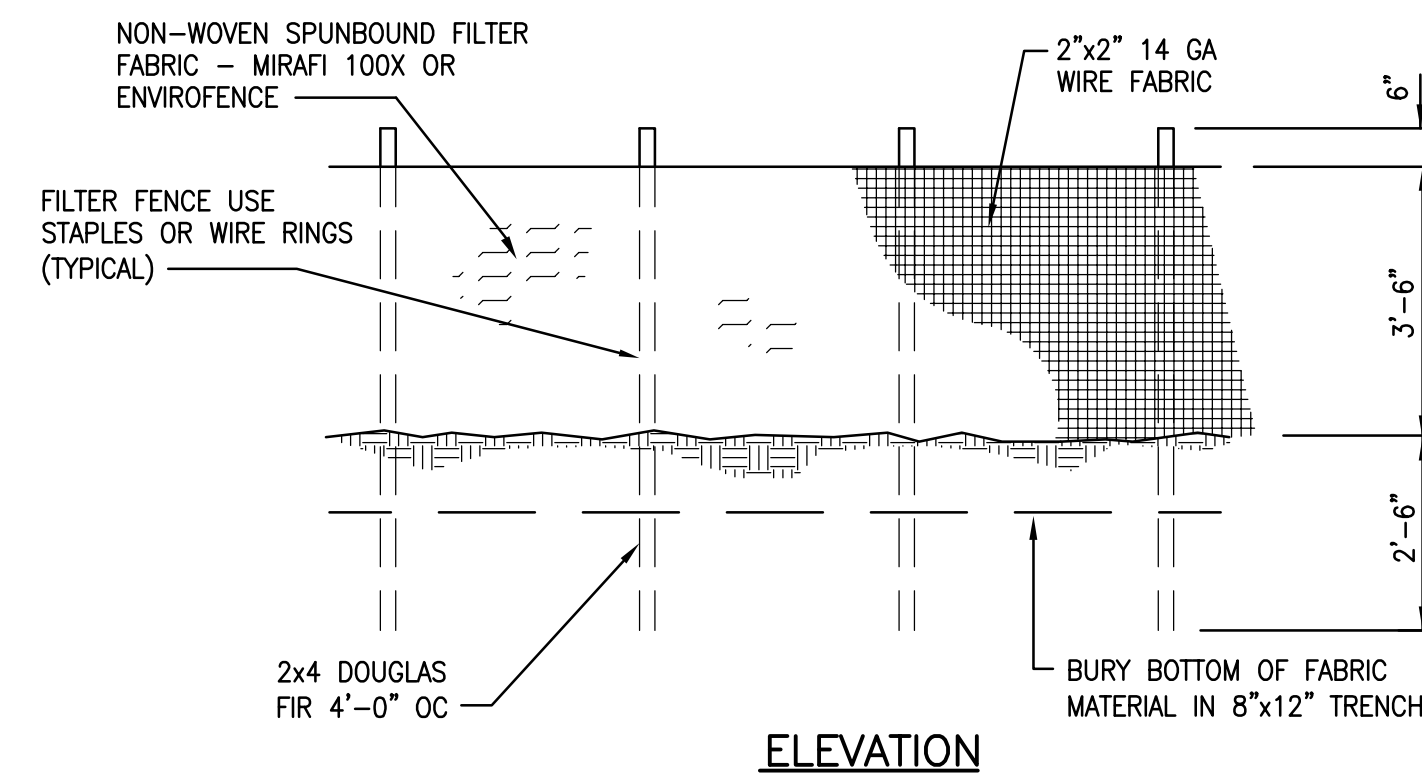
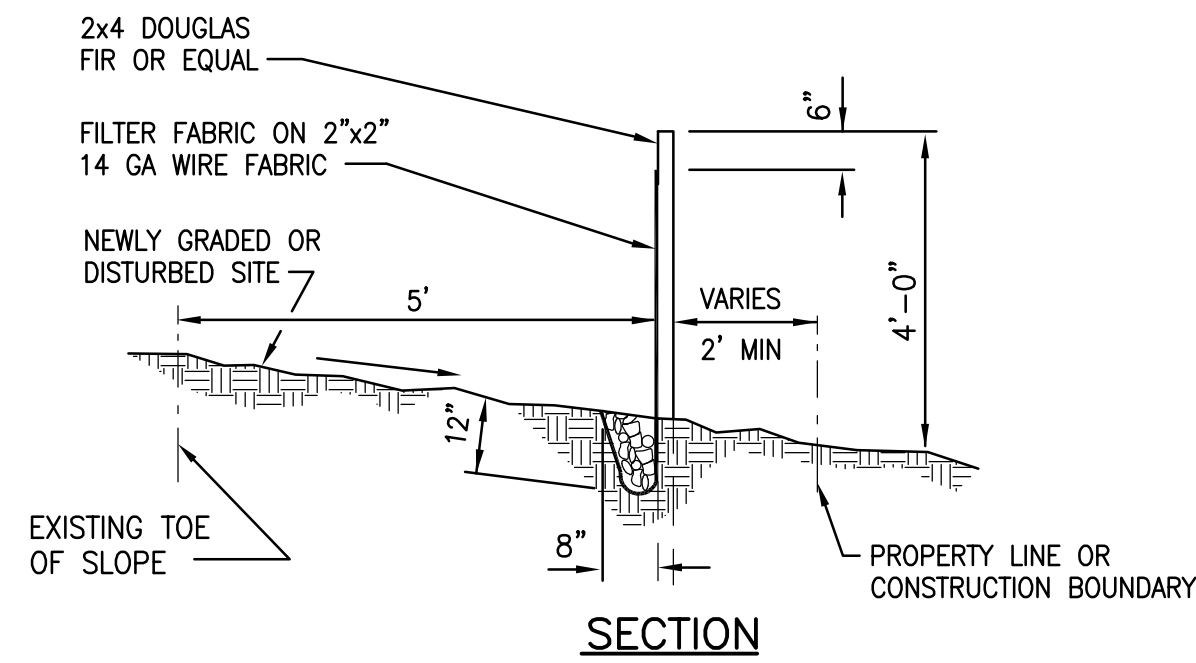
TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) NOTES

IN-WATER WORK

1. TAKE CARE TO PREVENT DEBRIS FROM ENTERING THE WATER DURING DEMOLITION AND CONSTRUCTION AND REMOVE DEBRIS PROMPTLY IF IT DOES ENTER THE WATER. MATERIALS AND CONSTRUCTION METHODS SHALL BE USED WHICH PREVENT TOXIC MATERIALS, PETROCHEMICALS AND OTHER POLLUTANTS FROM ENTERING SURFACE WATER DURING AND AFTER CONSTRUCTION. APPROPRIATE EQUIPMENT AND MATERIAL FOR HAZARDOUS MATERIAL CLEANUP MUST BE KEPT AT THE SITE.
 - A. ABSORBENT MATERIALS MUST BE EMPLOYED IF A PETROCHEMICAL SHEEN IS OBSERVED. MATERIALS SHALL REMAIN IN PLACE UNTIL ALL POLLUTANTS HAVE BEEN COLLECTED AND SHEENS DISSIPATE. USED ABSORBENT MATERIALS SHALL BE DISPOSED OF IN AN APPROPRIATE UPLAND FACILITY. CONTRACTOR TO NOTIFY ALL REQUIRED REGULATORY AGENCIES AND COMPLY WITH REPORTING REQUIREMENTS.
 - B. NATIONAL RESPONSE CENTER: 1-800-424-8802
DEPARTMENT OF ECOLOGY (WASHINGTON EMERGENCY MANAGEMENT DIVISION): 1-800-258-5990
SPU SPILL RESPONSE: 206-386-1800
 - C. ALL DISPOSED MATERIALS SHALL BE DEPOSITED IN A LANDFILL, WHICH MEETS THE LINER AND LEACHATE STANDARDS OF THE MINIMUM FUNCTIONAL STANDARDS, CHAPTER 173-304 WAC.
 - D. COMPLY WITH ALL PERMIT REQUIREMENTS.
 - E. IN-WATER DEBRIS BOOM AND TURBIDITY CURTAIN SHALL BE DEPLOYED AROUND ALL ACTIVE WORK AREAS DURING DEMOLITION, AND CONSTRUCTION AS NECESSARY TO CONTROL DEBRIS AND MEET WATER QUALITY REQUIREMENTS.
 - F. CONSTRUCTION EROSION CONTROL MEASURES MUST BE IN PLACE PRIOR TO ANY DISTURBANCE.



DETAIL-TURBIDITY CURTAIN AND DEBRIS CURTAIN
SCALE: 1" = 1'-0" 1 G1.3[G].4



DETAIL-FILTER FABRIC (SILT) FENCE
SCALE: 1" = 1'-0" 2 G1.3[G].4

BEST MANAGEMENT PRACTICES FOR PILE REMOVAL & DISPOSAL

BASED ON WASHINGTON DEPARTMENT OF ECOLOGY (DOE)

THE PURPOSE OF THE FOLLOWING BEST MANAGEMENT PRACTICES (BMPs) IS TO CONTROL TURBIDITY AND SEDIMENTS RE-ENTERING THE WATER COLUMN DURING PILE REMOVAL, AND PRESCRIBE DEBRIS CAPTURE AND DISPOSAL OF REMOVED PILES AND DEBRIS. THESE ARE GENERAL BMP'S, SPEC PROVISIONS, TECHNICAL SPECS, AND PERMITS CONTROL.

BMP 1. PILE REMOVAL

- A. VIBRATORY EXTRACTION IS THE PREFERRED METHOD OF PILE REMOVAL.
 - 1) CRANE OPERATOR SHALL BE TRAINED TO REMOVE PILE SLOWLY. THIS WILL MINIMIZE TURBIDITY IN THE WATER COLUMN AS WELL AS SEDIMENT DISTURBANCE.
 - 2) OPERATOR TO "WAKE UP" PILE TO BREAK UP BOND WITH SEDIMENT.
 - a. VIBRATE TO BREAK THE SKIN FRICTION BOND BETWEEN PILE AND SOIL.
 - b. BOND BREAKING AVOIDS PULLING OUT A LARGE BLOCK OF SOIL - POSSIBLY BREAKING OFF THE PILE IN THE PROCESS.
 - c. USUALLY THERE IS LITTLE OR NO SEDIMENT ATTACHED TO THE SKIN OF THE PILE DURING WITHDRAWAL. IN SOME CASES MATERIAL MAY BE ATTACHED TO THE PILE TIP, IN LINE WITH THE PILE.
- B. PILING MUST NOT BE BROKEN OFF INTENTIONALLY BY TWISTING, BENDING OR OTHER DEFORMATION.
- C. WORK SURFACE ON BARGE DECK OR PIER SHALL INCLUDE A CONTAINMENT BASIN FOR PILE AND ANY SEDIMENT REMOVED DURING PULLING.
- D. BASIN MAY BE CONSTRUCTED OF DURABLE PLASTIC SHEETING WITH SIDEWALLS SUPPORTED BY HAY BALES OR SUPPORT STRUCTURE TO CONTAIN ALL SEDIMENT. WATER RUN OFF CAN RETURN TO THE WATERWAY.
- E. WORK SURFACE SHALL BE CLEANED BY DISPOSING OF SEDIMENT OR OTHER RESIDUES ALONG WITH PILING AS DESCRIBED IN BMP 2C BELOW.
- F. CONTAINMENT BASIN SHALL BE REMOVED AND DISPOSED IN ACCORDANCE WITH BMP 2C BELOW OR IN ANOTHER MANNER COMPLYING WITH APPLICABLE FEDERAL AND STATE REGULATIONS.
- G. UPON REMOVAL FROM SUBSTRATE THE PILE SHALL BE MOVED EXPEDITIOUSLY FROM THE WATER INTO THE CONTAINMENT BASIN. THE PILE SHALL NOT BE SHAKEN, HOSED-OFF, LEFT HANGING TO DRIP OR ANY OTHER ACTION INTENDED TO CLEAN OR REMOVE ADHERING MATERIAL FROM THE PILE.
- H. CUTTING WILL BE NECESSARY IF THE PILE HAS BROKEN OFF AT OR NEAR THE EXISTING SUBSTRATE SO THAT IT CANNOT BE REMOVED WITHOUT EXCAVATION, OR BELOW THE WATER LINE. PILE CUTOFF IS AN ACCEPTABLE ALTERNATIVE IF VIBRATORY EXTRACTION OR PULLING IS NOT FEASIBLE. EVERY ATTEMPT SHOULD BE MADE, HOWEVER, TO COMPLETELY REMOVE THE PILING IN ITS ENTIRETY BEFORE CUTTING. IF A PILE IS BROKEN OR BREAKS ABOVE THE MUD LINE DURING VIBRATORY EXTRACTION, ONE OF THE METHODS LISTED BELOW SHOULD BE USED TO CUT THE PILE. PRIOR TO COMMENCEMENT OF THE WORK CONTRACTOR SHALL ASSESS THE CONDITION OF THE PILING. CONTRACTOR SHALL CREATE A LOG OUTLINING THE LOCATION AND NUMBER OF PILING THAT NEED TO BE CUT AND HAVE THIS LOG AVAILABLE TO THE AGENCIES UPON REQUEST.
 - I. A CHAIN SHOULD BE USED, IF PRACTICAL, TO ATTEMPT TO ENTIRELY REMOVE THE BROKEN PILE.
 - J. IF THE ENTIRE PILE CANNOT BE REMOVED, PILING SHOULD BE CUT OFF 2 FEET BELOW THE MUD LINE. GRUB TO REMOVE PILE BELOW MUD LINE ONLY IN LOCATIONS WHERE A CONFLICT WITH NEW PILING EXISTS.
 - K. PILES SHALL BE CUT OFF AT LOWEST PRACTICAL WATER LEVEL CONDITION AND AT SLACK WATER. THIS IS INTENDED TO REDUCE TURBIDITY DUE TO REDUCED FLOW AND SHORT WATER COLUMN THROUGH WHICH PILE MUST BE WITHDRAWN.
 - L. IF THE PILING IS BROKEN OFF BELOW MUD LINE GREATER THAN 2 FEET, THE PILING MAY REMAIN.
 - M. THE CONTRACTOR SHALL PROVIDE THE LOCATION OF THE BROKEN OR CUT PILE. THIS WILL BE NECESSARY AS PART OF DEBRIS CHARACTERIZATION SHOULD FUTURE DREDGING BE A POSSIBILITY IN THE AREA OF PILING REMOVAL.

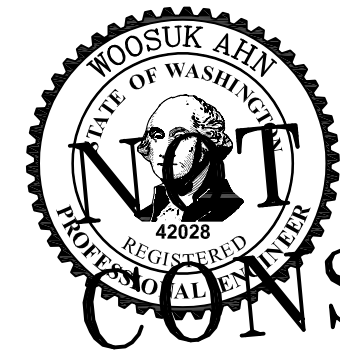
BMP 2. DISPOSAL OF PILING, SEDIMENT AND CONSTRUCTION RESIDUE

- A. PULLED PILE SHALL BE PLACED IN A CONTAINMENT BASIN TO CAPTURE ANY ADHERING SEDIMENT. THIS SHOULD BE DONE IMMEDIATELY AFTER THE PILE IS INITIALLY REMOVED FROM THE WATER.
 - 1) UTILIZE BASIN SET UP ON THE BARGE DECK.
 - 2) BASIN MAY BE MADE OF HAY BALES AND DURABLE PLASTIC SHEETING.
- B. PILING, SEDIMENTS, CONSTRUCTION RESIDUE AND PLASTIC SHEETING FROM THE CONTAINMENT BASIN SHALL BE PACKED INTO A CONTAINER FOR DISPOSAL.

Oct 14, 2024 - 2:54pm H:\24W\2024\009 Elliott Bay Fishing Pier Design\Design - CAD_2019\4409-G1.4.dwg Layout Name: G1.4

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Everett, Washington 98204
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WASHINGTON DEPARTMENT OF FISH & WILDLIFE



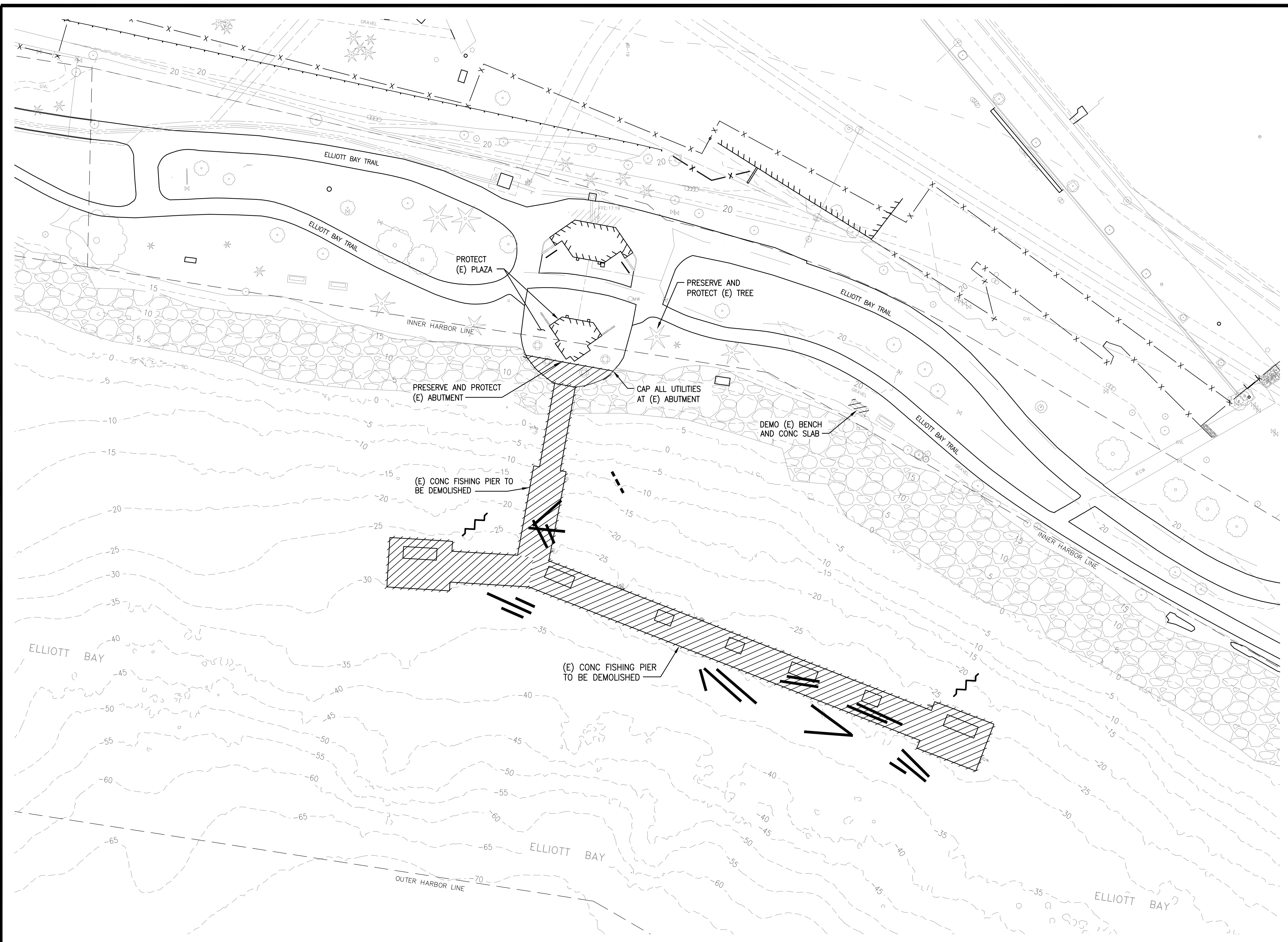
APPROVED FOR CONSTRUCTION. REVIEW ONLY

DESIGNED BY B. McRAE
CHECKED BY W. AHN
DRAWN BY D. OLSEN
DATE 10/14/2024

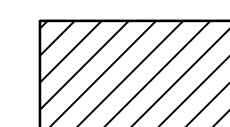



CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
TEMPORARY EROSION AND SEDIMENTATION CONTROL DETAILS

DISCIPLINE SHEET #
G1.4
PROJECT NO.
KG:A800:2024-1
SHEET **5** OF **27**

Oct 14, 2024 - 2:35pm H:\24\W\2024\009 Elliott Bay Fishing Pier Design\Drafting\Design - CAD_2019\4409-C10.dwg Layout Name: C10



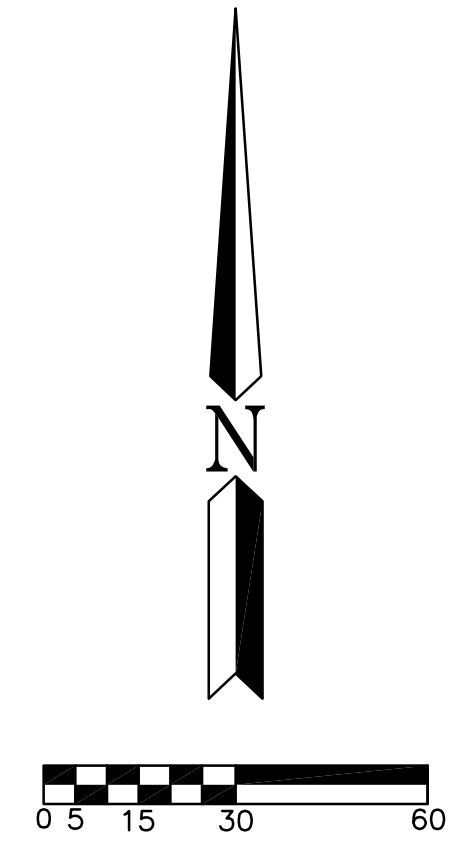
LEGEND

-  DEMOLISH CONCRETE PIER INCLUDING PILING, PILECAPS, DECK PANELS, RAILINGS, SHELTERS, UTILITY SYSTEMS, GATE, AND ALL APPURTENANCES
-  CONCRETE PILE REMNANT (UNDERWATER DEBRIS)
-  PIPE (UNDERWATER DEBRIS)
-  LADDER (UNDERWATER DEBRIS)

NOTE

1. UNDERWATER DEBRIS INCLUDING LADDERS, PIPE, AND CONCRETE PILE REMNANTS TO BE REMOVED AND DISPOSED.

DEMOLITION PLAN
SCALE: 1" = 30'



DISCIPLINE SHEET #

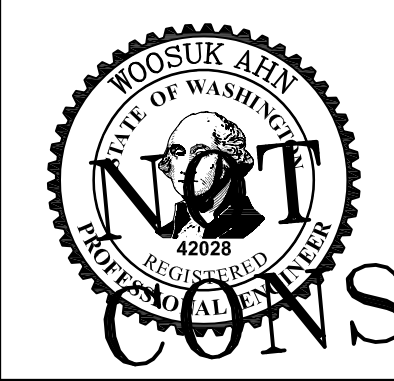
C1.0

PROJECT NO.
KG:A800:2024-1

SHEET OF
6 **27**

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Everett, Washington 98204
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FISH & WILDLIFE**

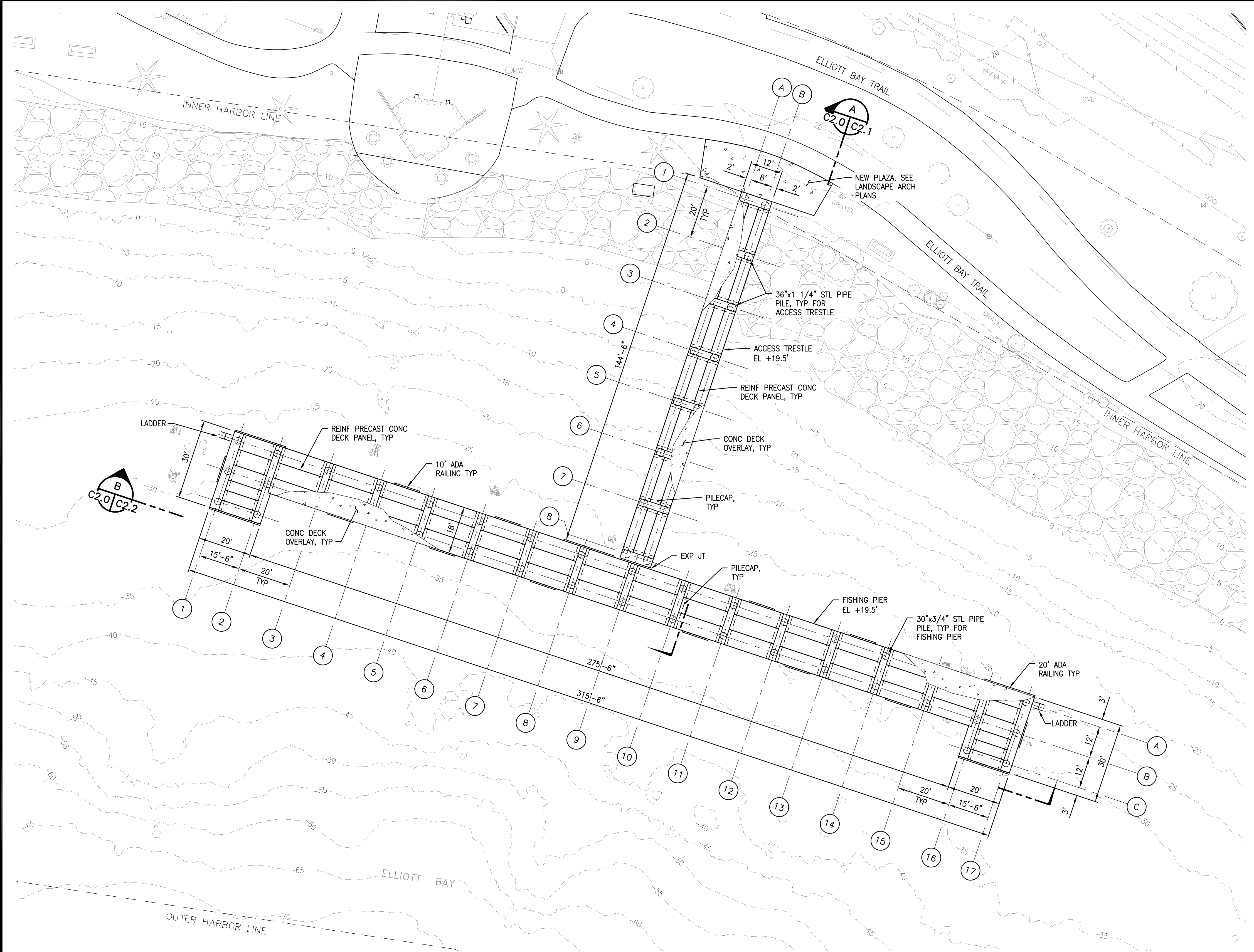


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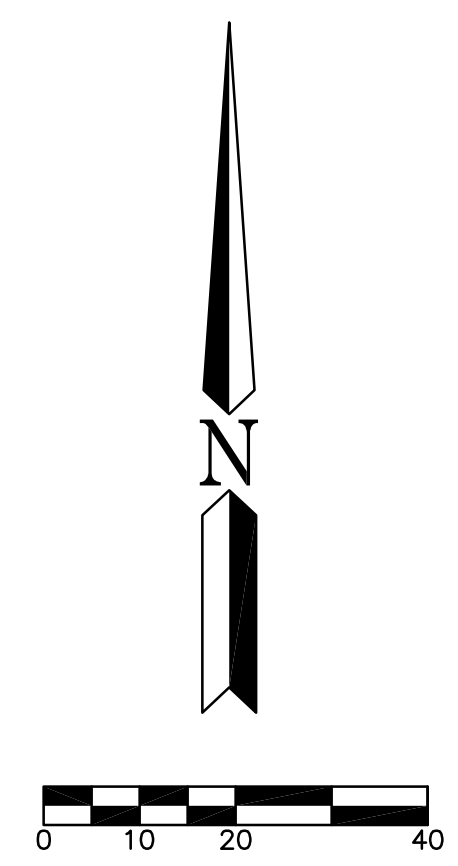
DESIGNED BY B. McRAE
CHECKED BY W. AHN
DRAWN BY D. OLSEN
DATE 10/14/2024

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
DEMOLITION PLAN

Nov 08, 2024, 9:59am
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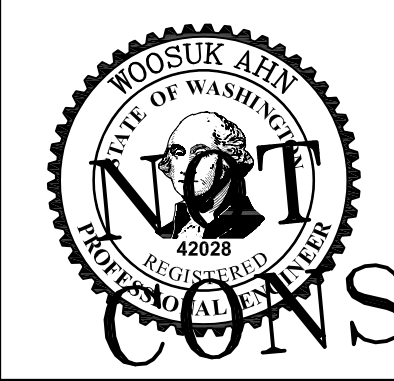


PIER PLAN
SCALE: 1" = 20'



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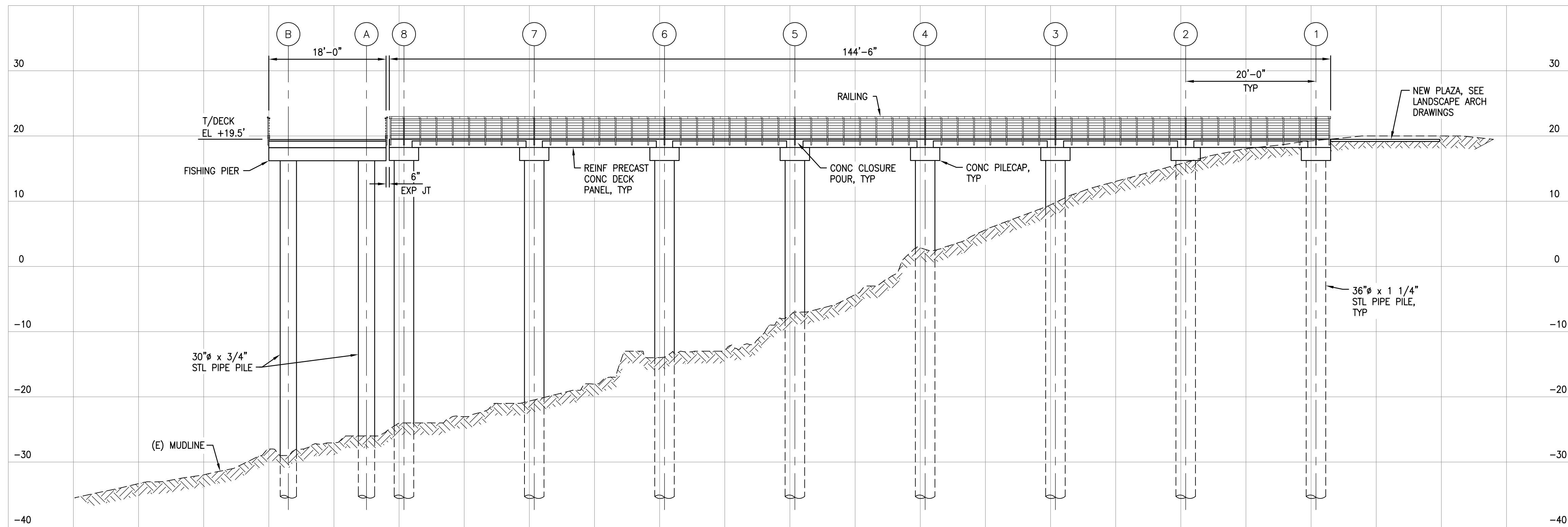


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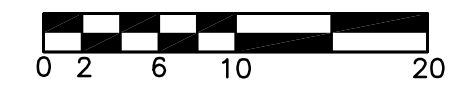
DESIGNED BY B. McRAE
 CHECKED BY W. AHN
 DRAWN BY D. OLSEN
 DATE 10/14/2024

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
PIER PLAN

DISCIPLINE SHEET #	
C2.0	
PROJECT NO.	
KG:A800:2024-1	
SHEET	OF
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ELEVATION-ACCESS TRESTLE
SCALE: 1" = 10'



DISCIPLINE SHEET #

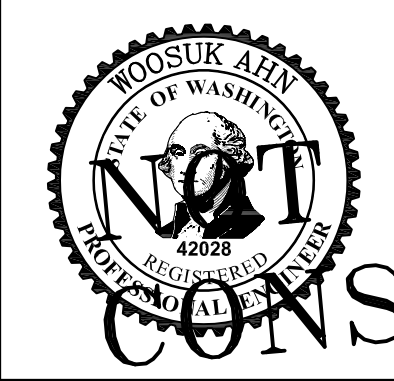
C2.1

PROJECT NO.
KG:A800:2024-1

SHEET OF
8 27

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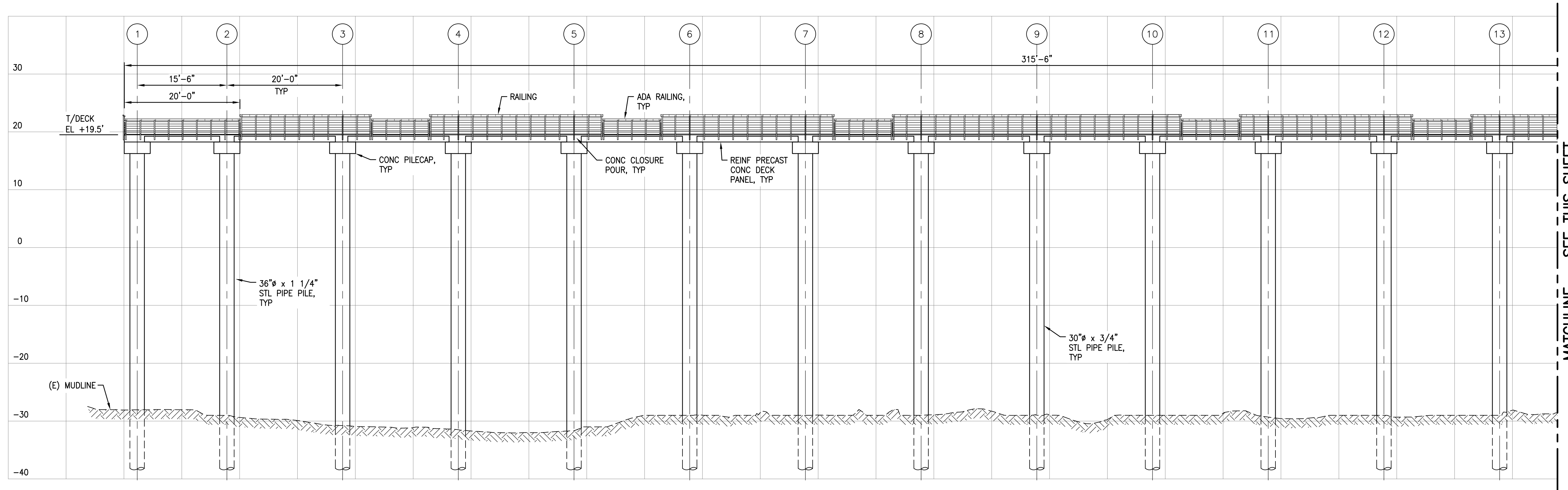


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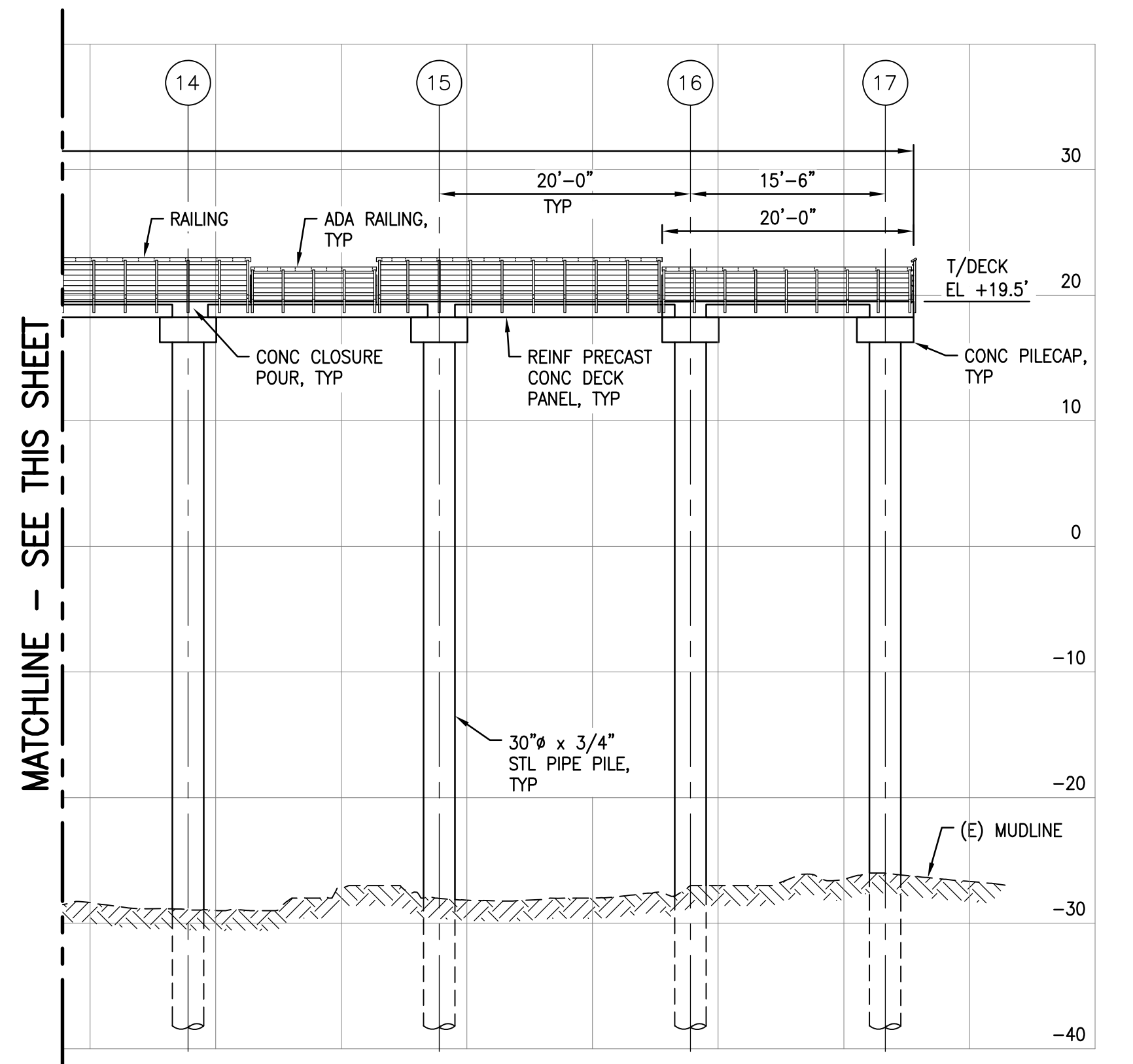
DESIGNED BY B. McRAE
CHECKED BY W. AHN
DRAWN BY D. OLSEN
DATE 10/14/2024

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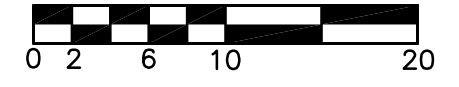
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ELEVATION-FISHING PIER B
 SCALE: 1" = 10' C2.0 | C2.2

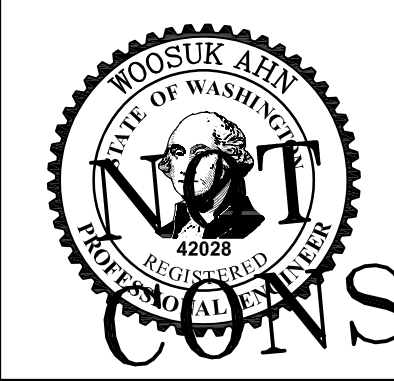


ELEVATION-FISHING PIER B
 SCALE: 1" = 10' C2.0 | C2.2



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FISH & WILDLIFE



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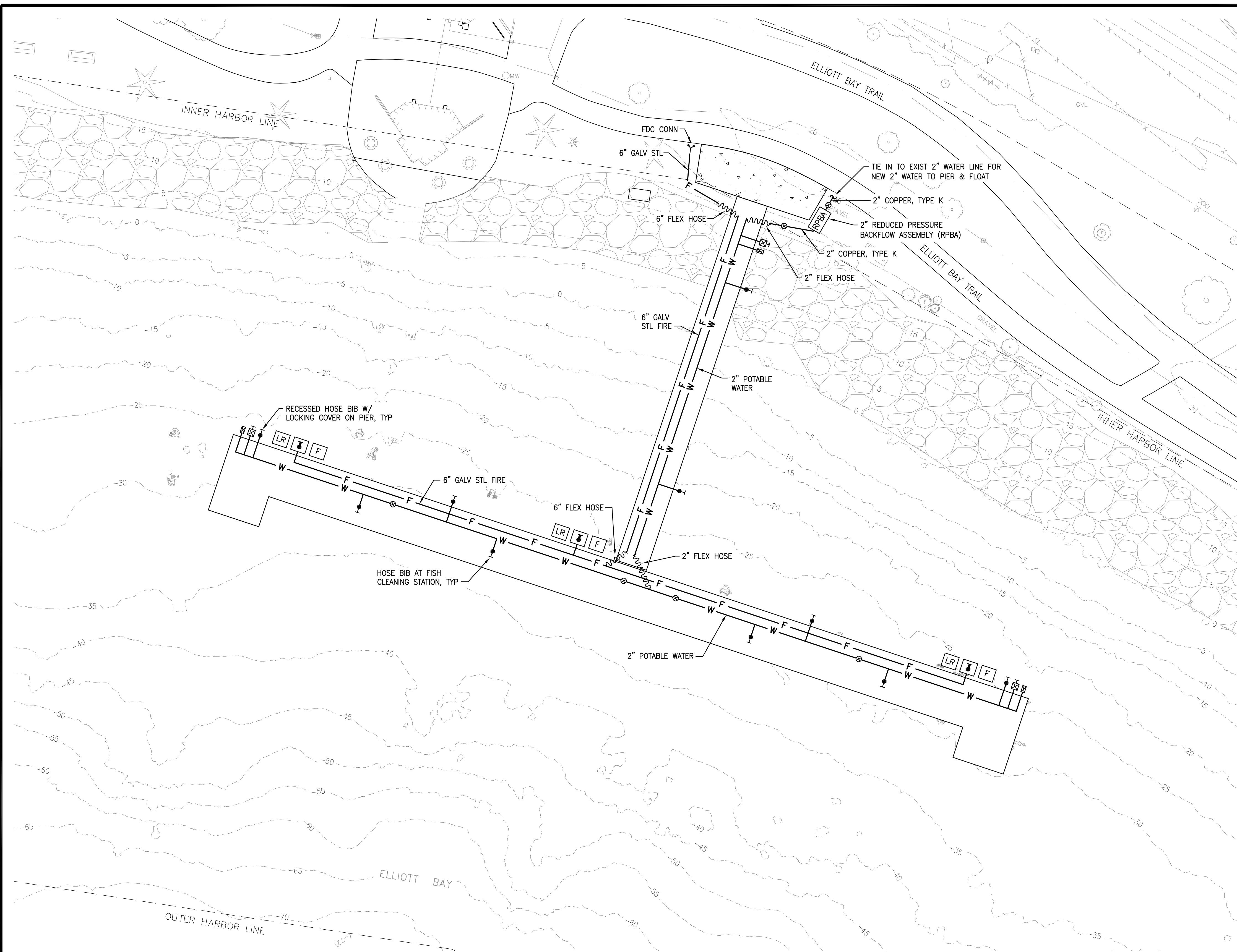
REVISION DESCRIPTION BY DATE
 APPROVED AND RELEASED FOR CONSTRUCTION
 W. AHN
 DATE: 10/14/2024

DESIGNED BY B. McRAE
 CHECKED BY W. AHN
 DRAWN BY D. OLSEN
 DATE 10/14/2024

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
 FISHING PIER ELEVATION

DISCIPLINE SHEET #	
C2.2	
PROJECT NO.	
KG:A800:2024-1	
SHEET	OF
9	27

Oct 14, 2024 - 2:36pm
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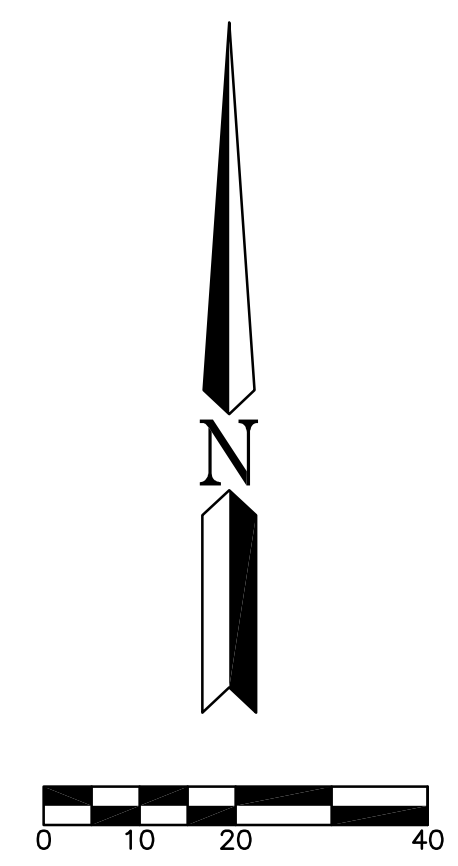
UTILITY PLAN
SCALE: 1" = 20'

NOTES

1. PROVIDE ATMOSPHERIC VACUUM BREAK ON ALL HOSE BIBBS.
2. IN-WATER UTILITIES ARE SCHEMATIC ONLY. SEE SPECIFICATIONS FOR PERFORMANCE REQUIREMENTS.
3. CONTACT ONE CALL BEFORE UTILITIES CONSTRUCTION AT 1-800-424-5555.
4. SAWCUT AND REMOVE EXISTING MATERIALS AS REQUIRED FOR THE INSTALLATION OF UTILITY WORK. PATCH AT LOCATIONS WHERE UTILITIES ARE INSTALLED TO MATCH ADJACENT EXISTING FINISHES.
5. THRUST BLOCKING TO BE PER CITY OF SEATTLE STADARD PLAN No. 331A AND 331B.
6. WATER TRENCH AND BEDDING TO BE PER CITY OF SEATTLE STANDARD PLAN No. 350.
7. EVERY EFFORT SHALL BE MADE TO CLOSE UTILITY LINES BY THE END OF THE DAY, AND MATERIAL EXCAVATED DURING UNDERGROUND UTILITY CONSTRUCTION SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES (WHERE CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS).
8. PAINT 6" RED STRIPE ACROSS PIER AT FIRE STANDPIPE LOCATIONS, INSTALL RED TRAFFIC REFLECTOR AT EACH END OF STRIPE.
9. GATE VALVES SHALL BE ACCESSIBLE.
10. INSTALL ADDRESS SIGNAGE AT ENTRANCE, NUMBERS AND LETTERS SHALL HAVE HIGH CONTRAST WITH SIGN BACKGROUND AND NOT BE LESS THAN 5" IN HEIGHT. INSTALL SIGNAGE READING "FIRE EQUIPMENT STAGING AREA - KEEP CLEAR" AT EACH STANDPIPE LOCATION.

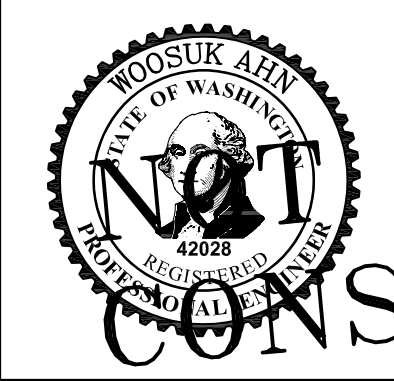
LEGEND

- W — 2" HDPE WATER LINE, UNO
- F — 6" HDPE FIRE LINE, UNO
- ~~~~~ FLEXIBLE HOSE
- HOSE BIBB
- FDC — FIRE DEPARTMENT CONNECTION
- ⊠ DRAIN VALVE
- ⊗ SHUT-OFF VALVE
- ⊞ FREEZE VALVE
- ⊞ FIRE EXTINGUISHER AND CABINET
- ⊞ FIRE STANDPIPE
- ⊞ LIFE RING
- ⊞ RPBA REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA)



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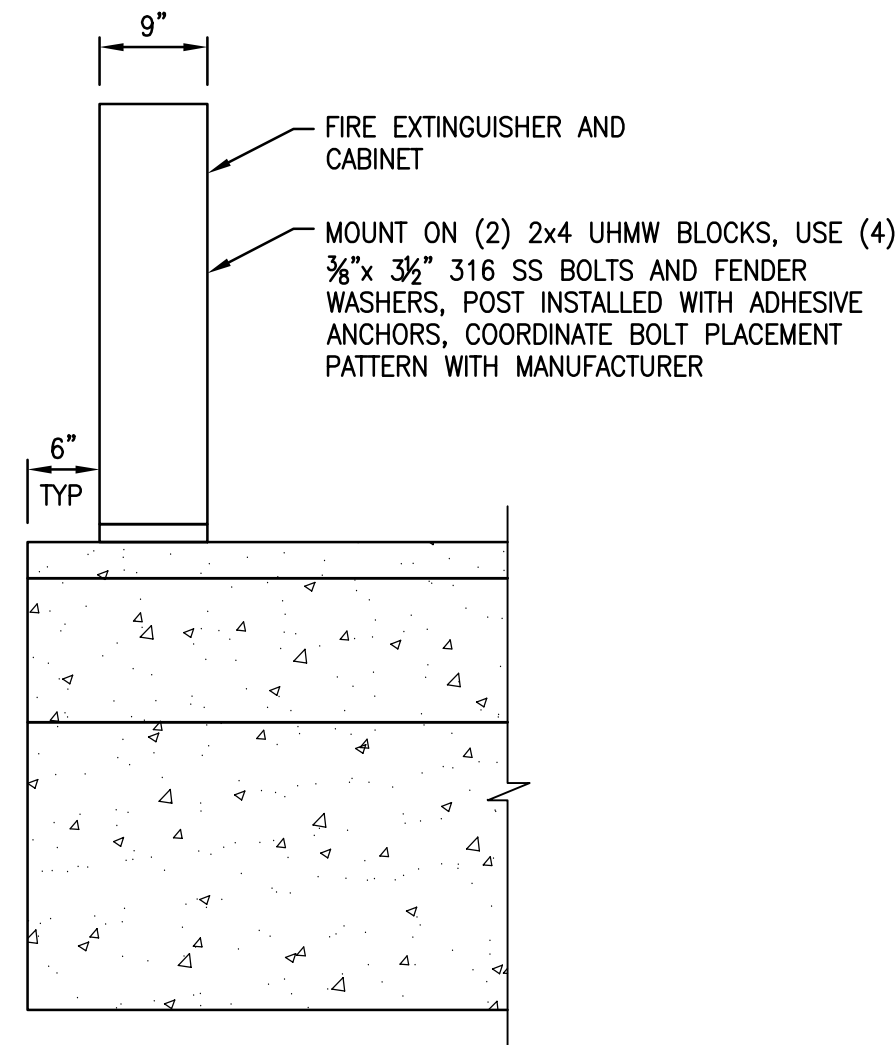


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DRAWN BY D. OLSEN
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CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
UTILITY PLAN

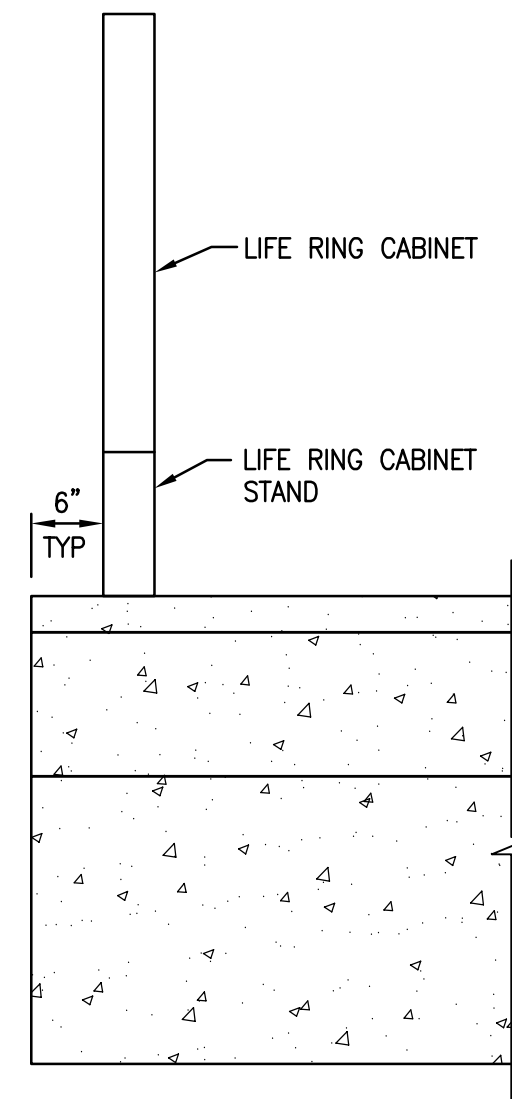
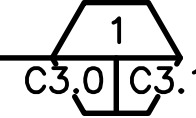
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C3.0	
PROJECT NO.	
KG:A800:2024-1	
SHEET	OF
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SECTION

FIRE EXTINGUISHER CABINET PLACEMENT & MOUNTING

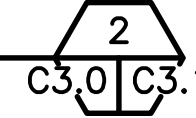
SCALE: 3/4" = 1'-0"



SECTION

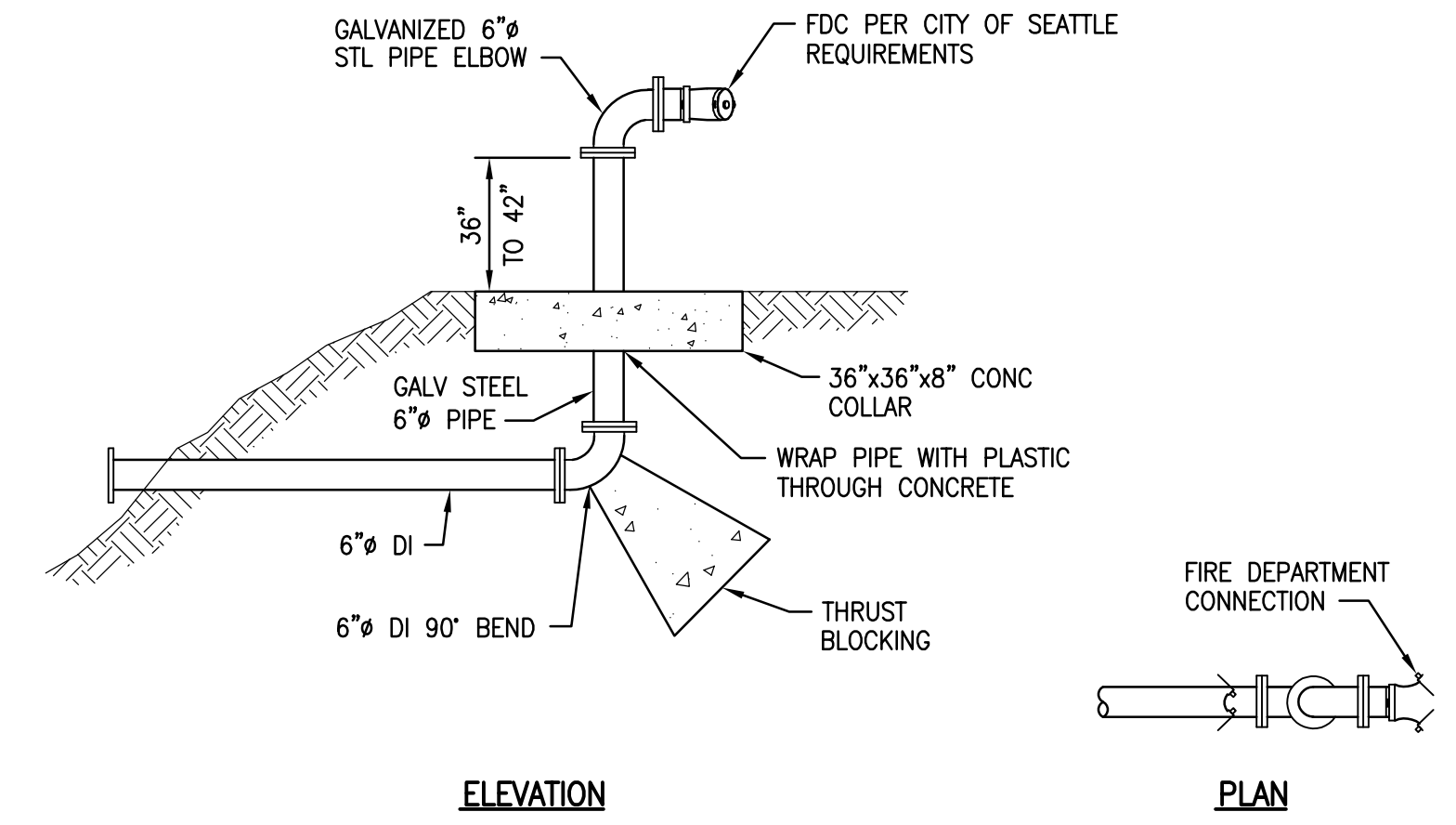
LIFE RING CABINET PLACEMENT & MOUNTING

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



NOTES:

1. USE (4) 3/8" x 5/4" EMBEDMENT ADHESIVE ANCHOR BOLTS, COORDINATE BOLT PLACEMENT PATTERN WITH MANUFACTURER.
2. NUTS, BOLTS, AND WASHERS SHALL BE 316SS.

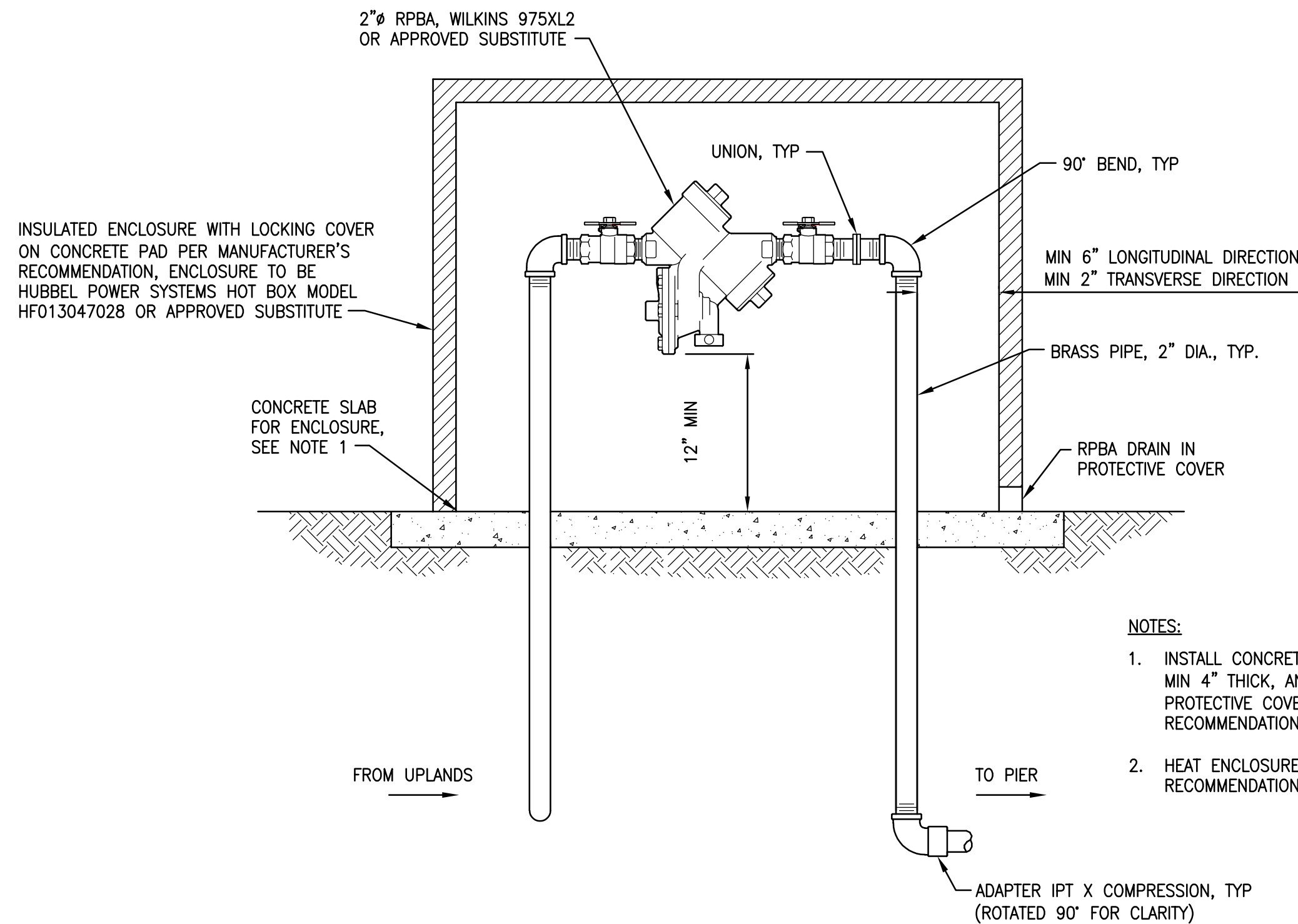


ELEVATION

PLAN

FIRE DEPARTMENT CONNECTION (FDC)

SCALE: 1" = 1'-0"

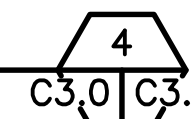


NOTES:

1. INSTALL CONCRETE SLAB FOUNDATION, MIN 4" THICK, AND ANCHOR INSULATED PROTECTIVE COVER PER MANUFACTURER'S RECOMMENDATIONS.
2. HEAT ENCLOSURE PER MANUFACTURER'S RECOMMENDATION.

REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA)-SCHEMATIC

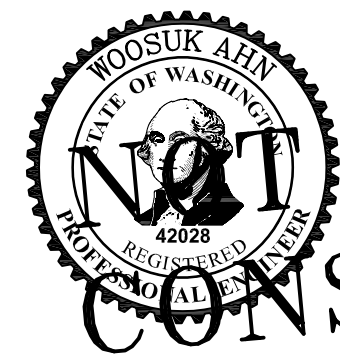
SCALE: 1/2" = 1'-0"



Oct 14, 2024 - 2:36pm dmpg1962 H:\24W\2024\009 Elliott Bay Fishing Pier Design\Drafting\Design - CAD_2019\4409-C31.dwg Layout Name: C31

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 DRAWN BY D. OLSEN
 DATE 10/14/2024

CENTENNIAL PARK
 ELLIOTT BAY FISHING PIER
 UTILITY DETAILS AND NOTES

DISCIPLINE SHEET #	
C3.1	
PROJECT NO.	
KG:A800:2024-1	
SHEET	OF
11	27

STRUCTURAL GENERAL NOTES C & S SERIES SHEETS

GENERAL

ALUMINUM RAILING IS A PERFORMANCE SPECIFICATION, CONTRACTOR IS RESPONSIBLE FOR DESIGN.

ALL TYPICAL DETAILS AND NOTES SHOWN ON THESE DRAWINGS ARE PART OF CONSTRUCTION CONTRACT AND SHALL BE PROVIDED BY THE CONTRACTOR. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED ON THE PLANS, BUT SHALL APPLY AS SHOWN OR DESCRIBED IN DETAILS.

THE NOTES SHALL BE USED ALONG WITH PROJECT SPECIFICATIONS AND DRAWINGS. REQUEST CLARIFICATION IMMEDIATELY UPON DISCOVERY AND BEFORE PROCEEDING, WHERE A DIFFERENCE BETWEEN DRAWINGS, NOTES, OR SPECIFICATIONS OCCUR.

EXISTING CONDITIONS: CONTRACTOR SHALL VERIFY ALL ELEVATIONS, EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED EITHER ON SITE OBSERVATIONS, ORIGINAL DRAWINGS, OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF EXISTING CONDITIONS DO NOT CLOSELY MATCH CONDITIONS SHOWN ON DRAWINGS, OR IF EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO COMMENCING ANY WORK.

CONTRACTOR RESPONSIBILITIES: DRAWINGS REPRESENT DESIGN IN COMPLETED FORM. CONTRACTOR SHALL BE RESPONSIBLE FOR METHODS, SEQUENCES, AND SAFETY PRECAUTIONS REQUIRED TO PERFORM WORK. CONTRACTOR SHALL PROTECT ALL EXISTING FEATURES NOT MARKED FOR DEMOLITION. CONTRACTOR SHALL CLEAN UP ALL AREAS AFFECTED BY CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING OF ALL STRUCTURAL MEMBERS, EXISTING CONSTRUCTION AND SOIL EXCAVATION AS REQUIRED. SHORING AND BRACING SHALL NOT BE REMOVED UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH DRAWINGS AND MATERIALS HAVE ACHIEVED DESIGN STRENGTH.

CONTRACTOR SHALL REVIEW AND STAMP SUBMITTALS PRIOR TO SUBMISSION. IF SHOP DRAWINGS DIFFER FROM DESIGN SHOWN ON STRUCTURAL DRAWINGS THEY SHALL BE SEALED BY WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN. DIMENSIONS AND QUANTITIES ARE CONTRACTOR'S RESPONSIBILITY AND WILL NOT BE REVIEWED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS PLACED PRIOR TO RECEIPT OF SUBMITTAL. CONTRACTOR SHALL ALLOW MINIMUM OF 10 WORKING DAYS FOR REVIEW PER SPECIFICATION.

CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SUPPORT OF ALL COMPONENTS AS REQUIRED FOR SAFETY AND STRUCTURAL INTEGRITY THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH SOUND PRACTICE AND AS PER TECHNICAL SPECIFICATIONS.

DISCREPANCIES: IN CASE OF DISCREPANCIES, CONTRACTOR SHALL NOTIFY THE ENGINEER OF DISCREPANCIES AND OBTAIN DIRECTION PRIOR TO PROCEEDING. NOTES ON INDIVIDUAL STRUCTURAL DRAWINGS SHALL TAKE PRIORITY OVER GENERAL NOTES. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.

SPECIFICATIONS: REFER TO SPECIFICATIONS FOR INFORMATION IN ADDITION TO THESE NOTES AND DRAWINGS.

SPECIAL INSPECTION: PER IBC SECTIONS 1704 AND 1707, SHALL BE PERFORMED BY TESTING AGENCY ACCEPTABLE TO BUILDING OFFICIAL, AND AS OUTLINED IN STRUCTURAL INSPECTION SCHEDULE.

STRUCTURAL OBSERVATION: SHALL BE PERFORMED PER IBC 1709

SUBMITTALS: SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION OR CONSTRUCTION IN ACCORDANCE WITH SPECIFICATIONS.

CODES/DESIGN STANDARDS – PIER

- ADA – 2018 SBC CHAPTER 11 AND ICC A117.1 – 2009 FOR ACCESSIBILITY
- ASCE/COPRI 61–14 SEISMIC DESIGN OF PIERS AND WHARVES
- ASCE/SEI 7–16, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- ASCE/SEI 24–14, FLOOD RESISTANT DESIGN AND CONSTRUCTION
- ACI 318–22, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- ANSI/AISC 360–10, SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS
- NATIONAL ELECTRICAL CODE (NEC) 2020
- WASHINGTON ADMINISTRATIVE CODE (WAC) 296–46B
- SEATTLE BUILDING CODE (2018)
- SEATTLE ELECTRICAL CODE (SDCI) 2020
- SEATTLE FIRE CODE (2018)
- SEATTLE STORMWATER CODE (2021)
- UNIFORM PLUMBING CODE (2018)
- WASHINGTON STATE ENERGY CODE (WSEC) 2018
- UNIFIED FACILITIES CRITERIA, UFC 4–152–01 PIERS AND WHARVES

REFERENCES

- ADA GUIDELINES FOR RECREATIONAL FISHING PIERS
- ADA ACCESSIBILITY GUIDELINES (ADAAG) FOR BOATING FACILITIES
- ADA/ABA ACCESSIBILITY GUIDELINES, 2004
- COASTAL ENGINEERING MANUAL (2002), USACE
- SEATTLE SDCI PERMANENT FEMA FLOODPLAIN ORDINANCE SEPA DRAFT
- SHORE PROTECTION MANUAL (1984), USACE
- NFPA 303 FIRE PROTECTION STANDARDS FOR MARINAS AND BOATYARDS (2021)

DESIGN CRITERIA – PIER

DESIGN VEHICLE: AASHTO H5 TRUCK AND FULL SIZE PICK UP TRUCK.

LIVE LOADS:

- UNIFORM DISTRIBUTED: 100 PSF
- CONCENTRATED LOAD: 4,000 LBS

RAILING: 50 PLF APPLIED IN ANY DIRECTION AT TOP AND TO TRANSFER THIS LOAD THROUGH SUPPORT STRUCTURE. 200 POUND CONCENTRATED LOAD APPLIED IN ANY DIRECTION AT ANY POINT ALONG TOP. 50 POUNDS (HORIZONTALLY APPLIED NORMAL LOAD) ON AN AREA EQUAL TO 1 SQUARE FOOT.

LOAD COMBINATIONS – LRFD (LOAD RESISTANCE FACTOR DESIGN)

VERTICAL: 1.2 D + 1.6 L + 0.5 S
 SEISMIC COMBINATION: (1.0 + 0.5 PGA) D + 0.1 L + 1.0 E
 (1.0 + 0.5 PGH) D + 0.1 L + 1.0 H

WHERE D = DEAD LOADS, H = SOIL PRESSURE LOADS, L = UNIFORM LIVE LOADS, E = HORIZONTAL EARTHQUAKE LOADS, PGA = PEAK GROUND ACCELERATION, S = SNOW LOAD

TORSIONAL EFFECTS: +/- 1.0 EH1 (SEISMIC – PRINCIPAL) +/- 0.3 EH2 (SEISMIC – PRINCIPAL)

SEISMIC INERTIAL AND LATERAL SOIL SPREADING LOADS (WSDOT GEOTECHNICAL DM M 46–03.16): 1.0 (KINEMATIC LOADS) +/- 0.25 (INERTIAL LOADS)

STRUCTURAL STEEL

1. STRUCTURAL STEEL DESIGN, FABRICATION, & ERECTION SHALL CONFORM TO REQUIREMENTS OF AISC MANUAL OF STEEL CONSTRUCTION (LRFD & ASD), LATEST EDITION.
2. ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS, AND SHALL BE PERFORMED BY AWS CERTIFIED WELDERS USING E70XX ELECTRODES. ONLY PREQUALIFIED AWS A2.4 SYMBOLS. WELDS SHOWN ON DRAWINGS ARE MINIMUM SIZES. INCREASE WELD SIZE TO AWS MINIMUM SIZES BASED ON PLATE THICKNESS. UNLESS NOTED OTHERWISE, MINIMUM WELDING SHALL BE 3/16". WELDS SHOWN ARE FOR THE FINAL CONNECTIONS. FIELD WELD ARROWS ARE SHOWN ONLY WHERE A FIELD WELD IS REQUIRED BY STRUCTURAL DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF WELD SHOULD BE SHOP OR FIELD WELDED IN ORDER TO FACILITATE THE STRUCTURAL STEEL ERECTION. WELDER CERTIFICATION AWS OR WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO).
3. ALL STRUCTURAL STEEL & CONNECTIONS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN COMPLIANCE WITH ASTM A123 EXCEPT STAINLESS STEEL HARDWARE. ALL FIELD WELDS EXPOSED TO WEATHER SHALL BE SOLDERED WITH ZINC-BASED ALLOY IN STICK OR POWDER FORM PER ASTM A780.
4. COMPLETE AND PARTIAL PENETRATION WELDS AS WELL AS MULTIPLE PASS FILLET WELDS SHALL BE CONTINUOUSLY MONITORED DURING WELDING PROCESS INCLUDING FIT-UP, ALL OTHER FILLET WELDING REQUIRES ONLY PERIODIC MONITORING. ALL WELDING SHALL BE 100% INSPECTED UPON COMPLETION TO AWS D1.1 CODE. PRIOR TO ANY WELDING TAKING PLACE WELDING INSPECTOR SHALL VERIFY WELDER'S CERTIFICATION AS BEING CURRENT AND CERTIFIED IN CORRECT WELDING PROCESS FOR INTENDED WELDING AND WELDING INSPECTOR SHALL VERIFY WELDING PROCEDURE AS BEING CORRECT FOR WELDING TO BE PERFORMED. WELDING INSPECTOR SHALL BE AWS QC-1 CERTIFIED.
5. DISSIMILAR METALS: DISSIMILAR METALS SHALL BE ISOLATED. DISSIMILAR METALS SHALL NOT BE USED BELOW WATERLINE.

STEEL MATERIALS

- MISCELLANEOUS STEEL ASTM A36
- STRUCTURAL BOLTS ASTM F3125 GRADE A325, A307, F593
- STEEL PIPE PILE ASTM A252, GRADE 3 WITH PHYSICAL AND CHEMICAL REQUIREMENTS THAT MEET A572 GR 60

CONCRETE

CONCRETE SHALL BE PROPORTIONED TO ACHIEVE WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. MIX DESIGNS SHALL BE SUBMITTED FOR REVIEW BY OWNER PRIOR TO USE. MIX DESIGNS SHALL MEET OR EXCEED FOLLOWING CRITERIA:

TYPE OF CONSTRUCTION	SPECIFIED COMPRESSIVE STRENGTH (28 DAY F'C)	MAXIMUM WATER/CEMENT RATIO	EXPOSURE CATEGORIES (PER ACI 318)
PRECAST PIER PANELS	6,000 PSI	0.40	F3, S1, W1, C2
ABUTMENT	6,000 PSI	0.40	F3, S1, W1, C2
CLOSURE POURS	5,000 PSI	0.40	F3, S1, W1, C2
TOPPING SLAB	5,000 PSI	0.40	F3, S1, W1, C2
CURBS	5,000 PSI	0.40	F3, S1, W1, C2

ADMIXTURES SHALL BE APPROVED BY ENGINEER OF RECORD (EOR) PRIOR TO THEIR USE.

AIR ENTRAINING AGENTS SHALL CONFORM TO ASTM C260, AND BE IN ACCORDANCE WITH FOLLOWING TABLE:

MAXIMUM AGGREGATE SIZE (Inches)	3/8	1/2	3/4
CORRESPONDING AIR ENTRAINMENT (%)	6–9	5.5–8.5	4.5–7.5

ALL EXPOSED SURFACES SHALL BE FINISHED IN COMPLIANCE WITH PROJECT SPECIFICATIONS, UNLESS NOTED OTHERWISE.

CONCRETE REINFORCEMENT

REINFORCEMENT SHALL BE PLACED AND SUPPORTED IN ACCORDANCE WITH CRSI MSP-1. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH ACI SP-66. NO BENDING OR STRAIGHTENING OF REINFORCEMENT WILL BE PERMITTED AFTER PARTIAL EMBEDMENT IN CONCRETE.

REINFORCING STEEL SHALL BE UNCOATED DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.

REINFORCING STEEL SHALL BE LAPPED IN CONFORMANCE WITH ACI 318.

DEFORMED BAR ANCHORS SHALL BE IN CONFORMANCE WITH ASTM A1064.

MINIMUM COVER SHALL BE IN CONFORMANCE WITH ACI 318, UNLESS NOTED OTHERWISE.

PLASTIC LUMBER

PLASTIC LUMBER INTENDED FOR USE IN EXTERIOR APPLICATIONS MUST HAVE NO FADING OR DISCOLORATION AND NO CHANGE IN DIMENSIONAL STABILITY AS TESTED IN ACCORDANCE WITH ASTM D1435 FOR A PERIOD OF 5 YEARS.

PLASTIC TIMBER SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

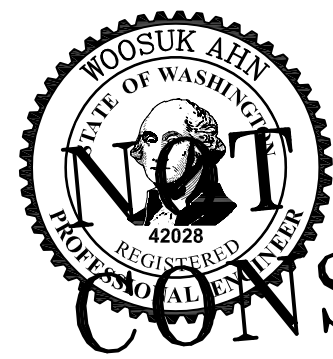
1. MANUFACTURED WITH RECYCLED HDPE AND FIBERGLASS ELEMENTS
2. RESISTANT TO UV AND SALT WATER
3. RESISTANT TO IMPACT AND ABRASION
4. RESISTANT TO MARINE BORDERS

Oct 14, 2024 - 2:37pm H:\24W\2024\009 Elliott Bay Fishing Pier Design\Drafting\Design - CAD_2019\4409-S01.dwg Layout Name: S01



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DESIGNED BY B. McRAE
 CHECKED BY W. AHN
 DRAWN BY D. OLSEN
 DATE 10/14/2024

**CENTENNIAL PARK
 ELLIOTT BAY FISHING PIER
 GENERAL STRUCTURAL NOTES**

DISCIPLINE SHEET #

S0.1

PROJECT NO.
 KG:A800:2024-1

SHEET OF
12 27

SPECIAL INSPECTION SCHEDULE

STRUCTURAL STEEL SPECIAL INSPECTION

SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE ACCORDANCE WITH AISC 341, AISC 360, AND FOLLOWING INFORMATION.

- TASK - INDICATES WHETHER TO OBSERVE OR PERFORM (OR BOTH) INSPECTION TASK.
- DOC - INSPECTOR SHALL PREPARE REPORTS INDICATING THAT WORK HAS BEEN PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- O - OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS, OPERATIONS NEED NOT BE DELAYED PENDING INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT WORK HAS BEEN PERFORMED IN ACCORDANCE WITH APPLICABLE DOCUMENTS.
- P - PERFORM, FOR EACH JOINT OR MEMBER PRIOR TO FINAL ACCEPTANCE OF ITEM.
- QC - TASKS INDICATED AS "QC" SHALL BE EXECUTED BY FABRICATOR AND ERECTOR IN ACCORDANCE WITH AISC 360 CHAPTER N
- QA - TASKS INDICATED AS "QA" SHALL BE EXECUTED BY SPECIAL INSPECTOR IN ACCORDANCE WITH AISC 360 CHAPTER N.

STEEL DETAILS

INSPECTION TASKS	QC	QA	REFERENCED STANDARD
INSPECT THE FABRICATED STEEL AND ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION	O	O	AISC 360 CH. N

WELDING

INSPECTION TASKS PRIOR TO WELDING	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASKS PRIOR TO WELDING	QC	QA		
WELDING PROCEDURE SPECIFICATIONS (WPSS) AVAILABLE	P	P		
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P		
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O		
WELDER IDENTIFICATION SYSTEM ¹	O	O		
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY), JOINT PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), BACKING TYPE AND FT (IF APPLICABLE)	O	O	AISC 360 CH. N & AWS D1.1	1705.2.1
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O		
FIT-UP OF FILLET WELDS, DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION)	O	O		
CHECK WELDING EQUIPMENT	O	-		
INSPECTION TASKS DURING WELDING				
INSPECTION TASKS DURING WELDING	QC	QA		
USE OF QUALIFIED WELDERS	O	O		
CONTROL AND HANDLING OF WELDING CONSUMABLES, PACKAGING, EXPOSURE CONTROL	O	O		
NO WELDING OVER CRACKED TACK WELDS	O	O		
ENVIRONMENTAL CONDITIONS, WIND SPEED WITHIN LIMITS, PRECIPITATION AND TEMPERATURE	O	O	AISC 360 CH. N & AWS D1.1	1705.2.1
WPS FOLLOWED, SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN / MAX), PROPER POSITION (F, V, H, OH)	O	O		
WELDING TECHNIQUES, INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS	O	O		
INSPECTION TASKS AFTER WELDING				
INSPECTION TASKS AFTER WELDING	QC	QA		
WELDS CLEANED	O	O		
SIZE, LENGTH AND LOCATION OF WELDS	P	P		
WELDS MEET VISUAL ACCEPTANCE CRITERIA, CRACK PROHIBITION, WELD / BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, POROSITY	P	P	AISC 360 CH. N & AWS D1.1	1705.2.1
ARC STRIKES	P	P		
K-AREA ²	P	P		
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P		
REPAIR ACTIVITIES	P	P		
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P		

- FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN SYSTEM BY WHICH WELDER WHO HAS WELDED JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE LOW-STRESS TYPE.
- WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN K-AREA, VISUALLY INSPECT WEB K-AREA FOR CRACKS WITHIN 3 INCHES OF WELD.

BOLTING

INSPECTION TASKS PRIOR TO BOLTING	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASKS PRIOR TO BOLTING	QC	QA		
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P		
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O		
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O	O	AISC 360 CH. N	1705.2.1
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O		
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O		
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	O		
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	O		
INSPECTION TASKS DURING BOLTING				
INSPECTION TASKS DURING BOLTING	QC	QA		
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O	O	AISC 360 CH. N	1705.2.1
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	O		
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O		
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O		
INSPECTION TASKS AFTER BOLTING				
INSPECTION TASKS AFTER BOLTING	QC	QA		
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P	AISC 360 CH. N	1705.2.1

FOUNDATIONS

INSPECTIONS AND TESTS OF DRIVEN DEEP FOUNDATION ELEMENTS	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
VERIFY ELEMENT MATERIALS, SIZES AND LENGTH COMPLY WITH REQUIREMENTS	X	-
DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED	X	-
INSPECT 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 SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.2	-	-
FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM TESTS AND ADDITIONAL SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.3	-	-
FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL SPECIAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE	-	-

SPECIAL INSPECTION OF CONCRETE CONSTRUCTION

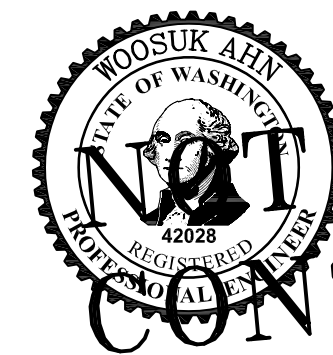
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD ¹	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT	-	X	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3	-
2. REINFORCING BAR WELDING:				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	-	X	AWS D1.4	-
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	-	X	ACI 318: 26.6.4	-
c. INSPECT ALL OTHER WELDS	X	-		
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS ²				
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X	-	ACI 318: 17.8.2.4	-
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a	-	X	ACI 318: 17.8.2	-
5. VERIFY USE OF REQUIRED DESIGN MIX	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1 1904.2
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C 313 ASTM C 143 ASTM C 172 ASTM C 231 ASTM C1064 ACI 318: 26.12 ACI 318: 26.12	-
7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318: 26.5	-
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X	ACI 318: 26.5.3-26.5.5	-
9. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	-	X	ACI 318: 26.8	-
10. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONING CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	-	X	ACI 318: 26.11.2	-
11. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	ACI 318: 26.11.1.2 ²	-

- WHERE APPLICABLE, SEE ALSO IBC SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED,
- SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK.

Oct 14, 2024 - 2:37pm H:\24W\2024\009 Elliott Bay Fishing Pier Design\Drafting\Design - CAD_2019\4409-S02.dwg Layout Name: S02

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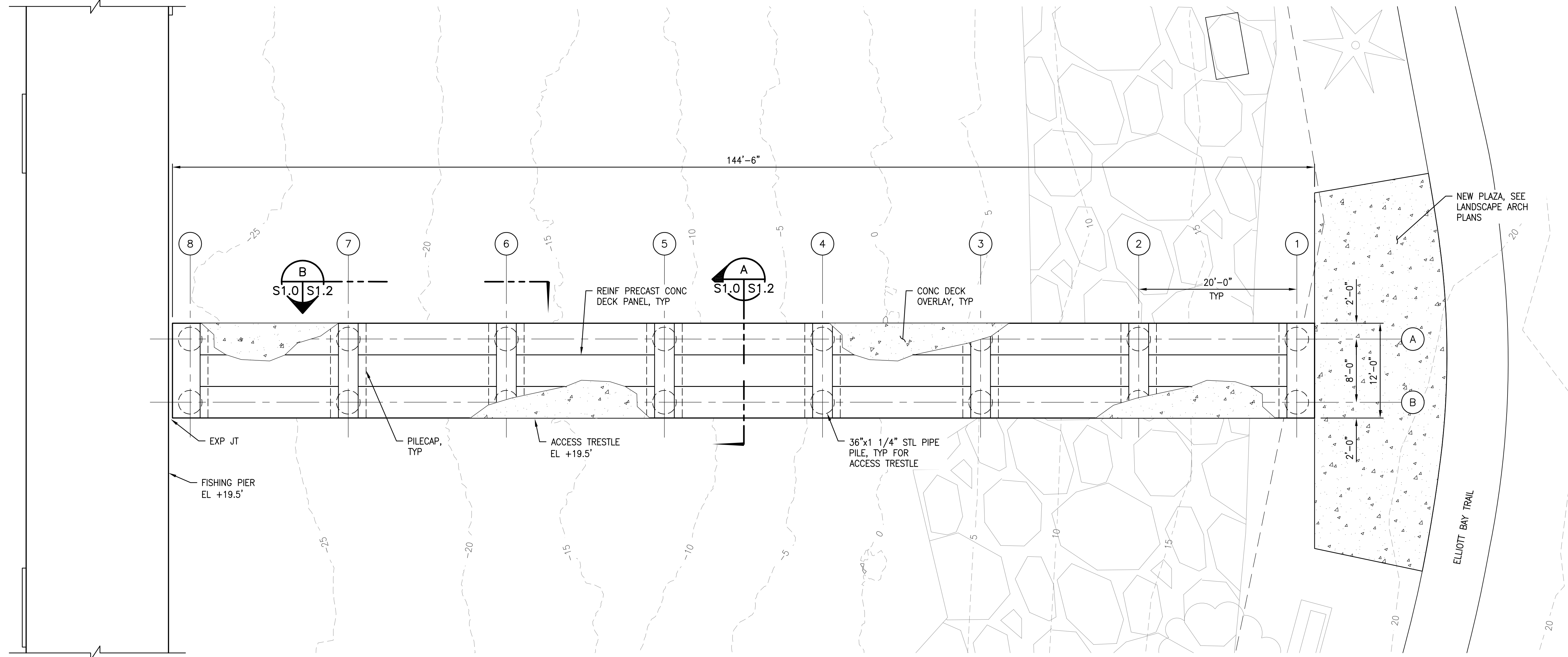
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 CHECKED BY W. AHN
 DRAWN BY D. OLSEN
 DATE 10/14/2024

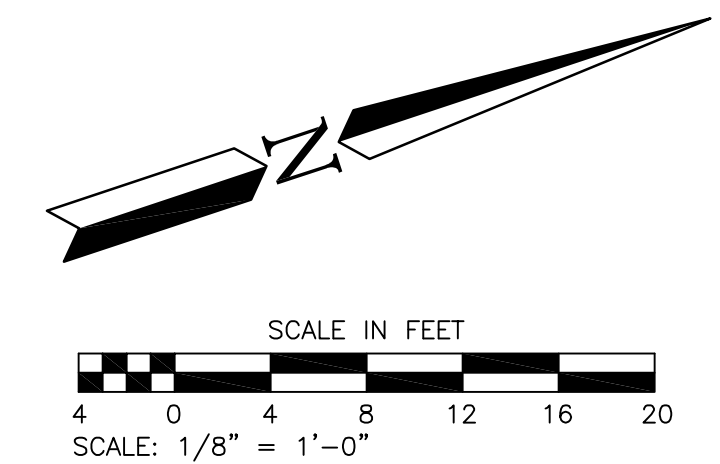
CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
SPECIAL INSPECTION SCHEDULE

DISCIPLINE SHEET #
S0.2
 PROJECT NO.
 KG:A800:2024-1
 SHEET 13 OF 27

Oct 14, 2024 - 3:16pm d:\24WA\2024\009 Elliott Bay Fishing Pier Design\Drafting\Design - CAD_2019\4409-S10.dwg Layout Name: S10



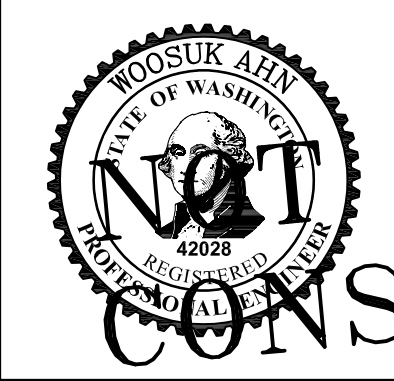
ACCESS TRESTLE PLAN
SCALE: 1/8" = 1'-0"



DISCIPLINE SHEET #	
S1.0	
PROJECT NO.	
KG:A800:2024-1	
SHEET	OF
14	27

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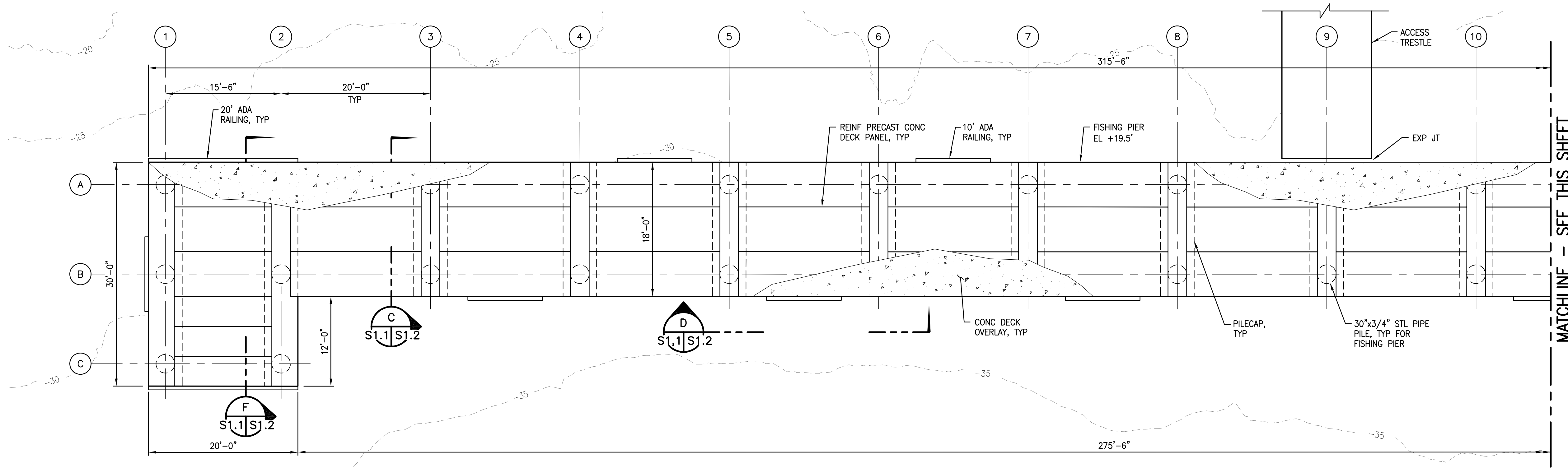


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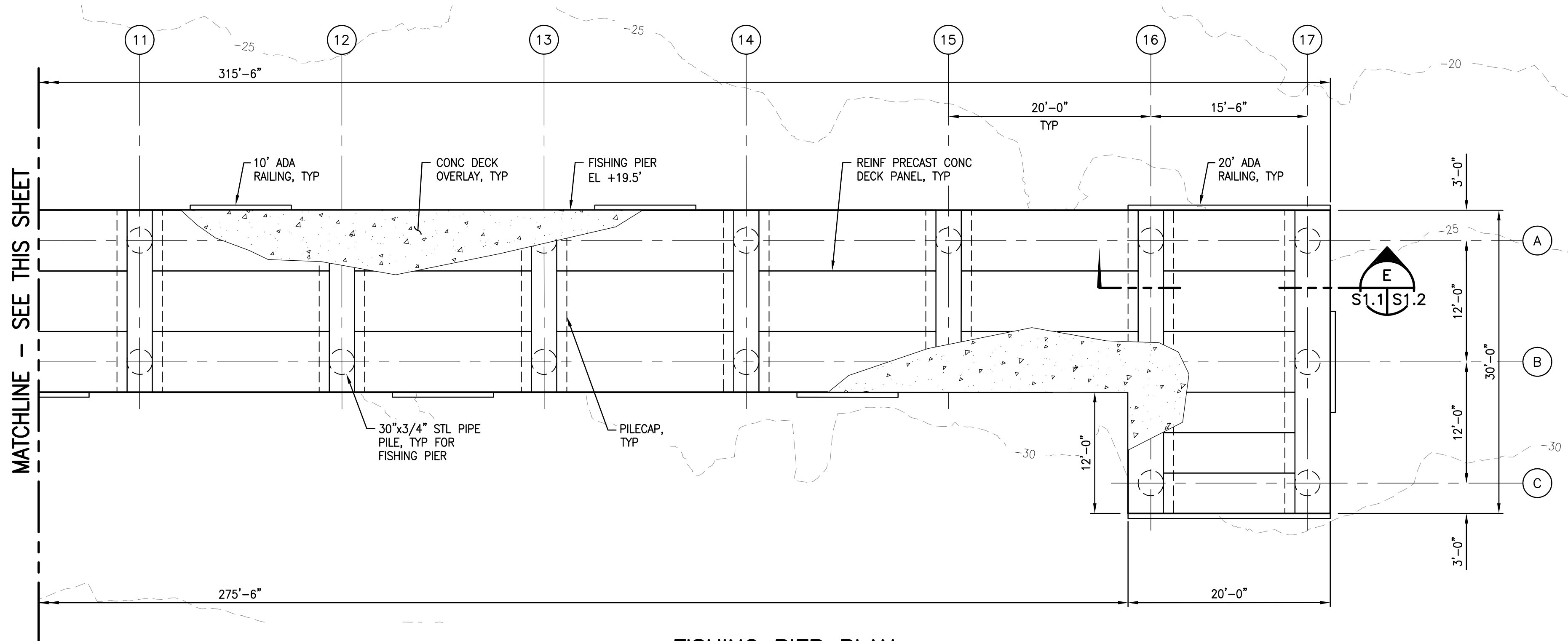
CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
ACCESS TRESTLE PLAN

Oct 14, 2024 - 3:06pm - d:\24WA\2024\009 Elliott Bay Fishing Pier Design\Drafting\Design - CAD_2019\4409-S11.dwg Layout Name: S11



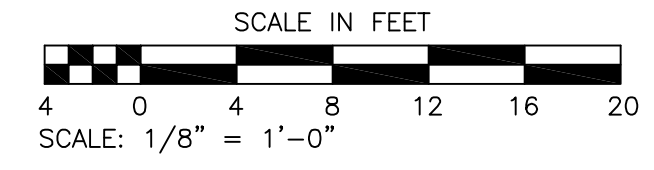
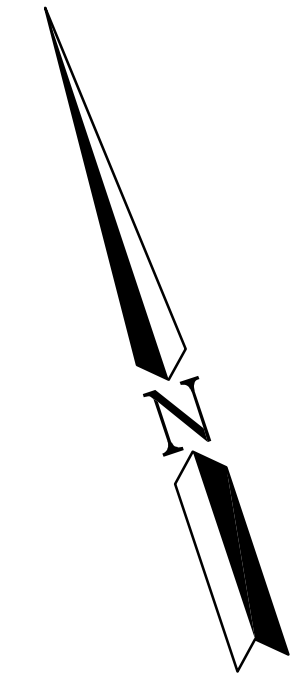
FISHING PIER PLAN
SCALE: 1/8" = 1'-0"

MATCHLINE - SEE THIS SHEET



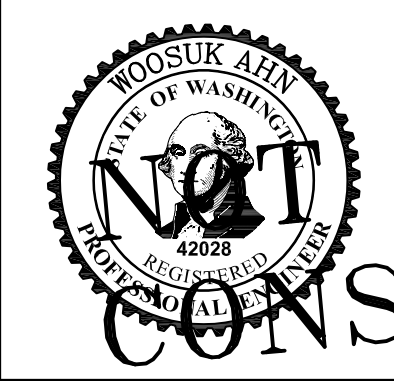
FISHING PIER PLAN
SCALE: 1/8" = 1'-0"

MATCHLINE - SEE THIS SHEET



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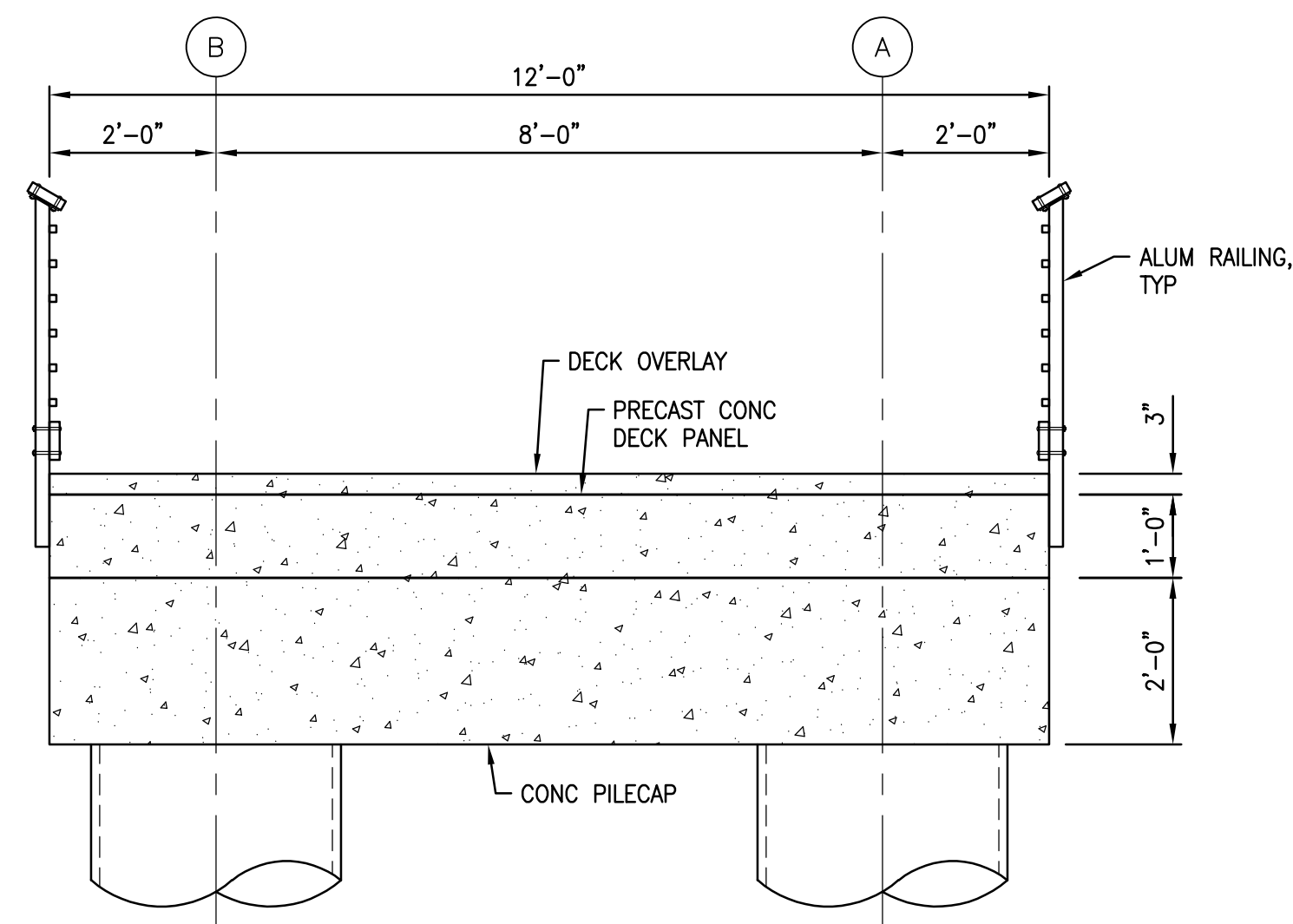
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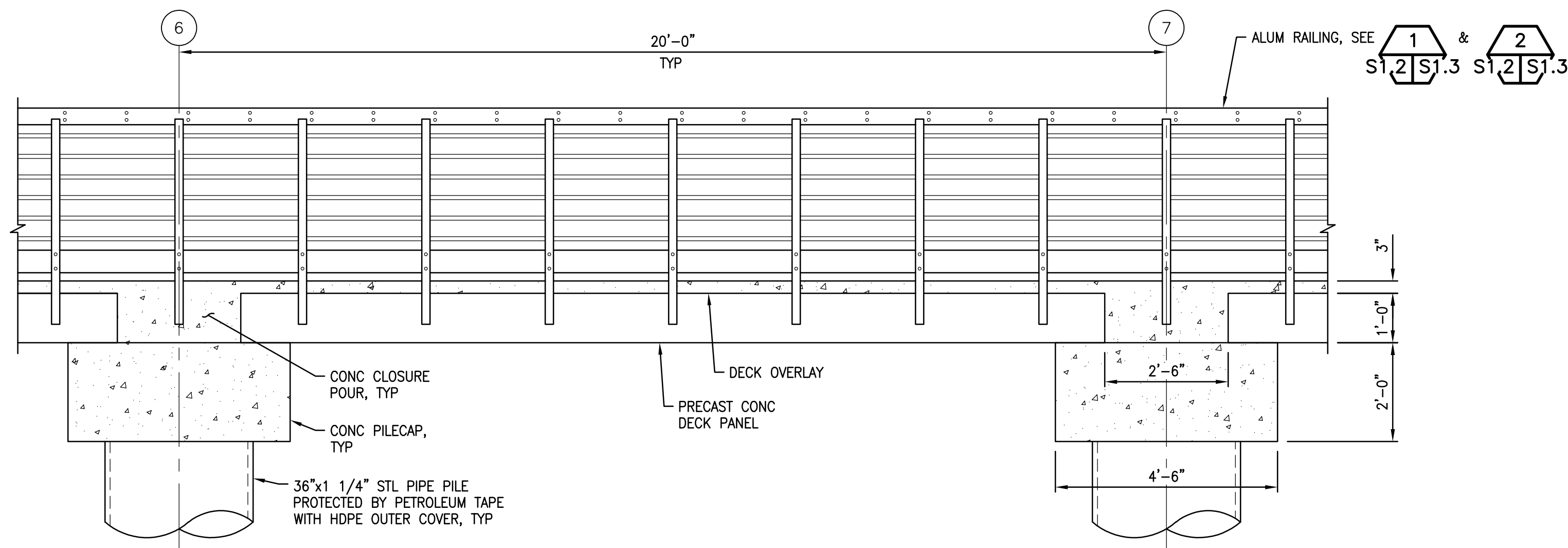
CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
FISHING PIER PLAN

DISCIPLINE SHEET # S1.1	
PROJECT NO. KG:A800:2024-1	
SHEET 15	OF 27

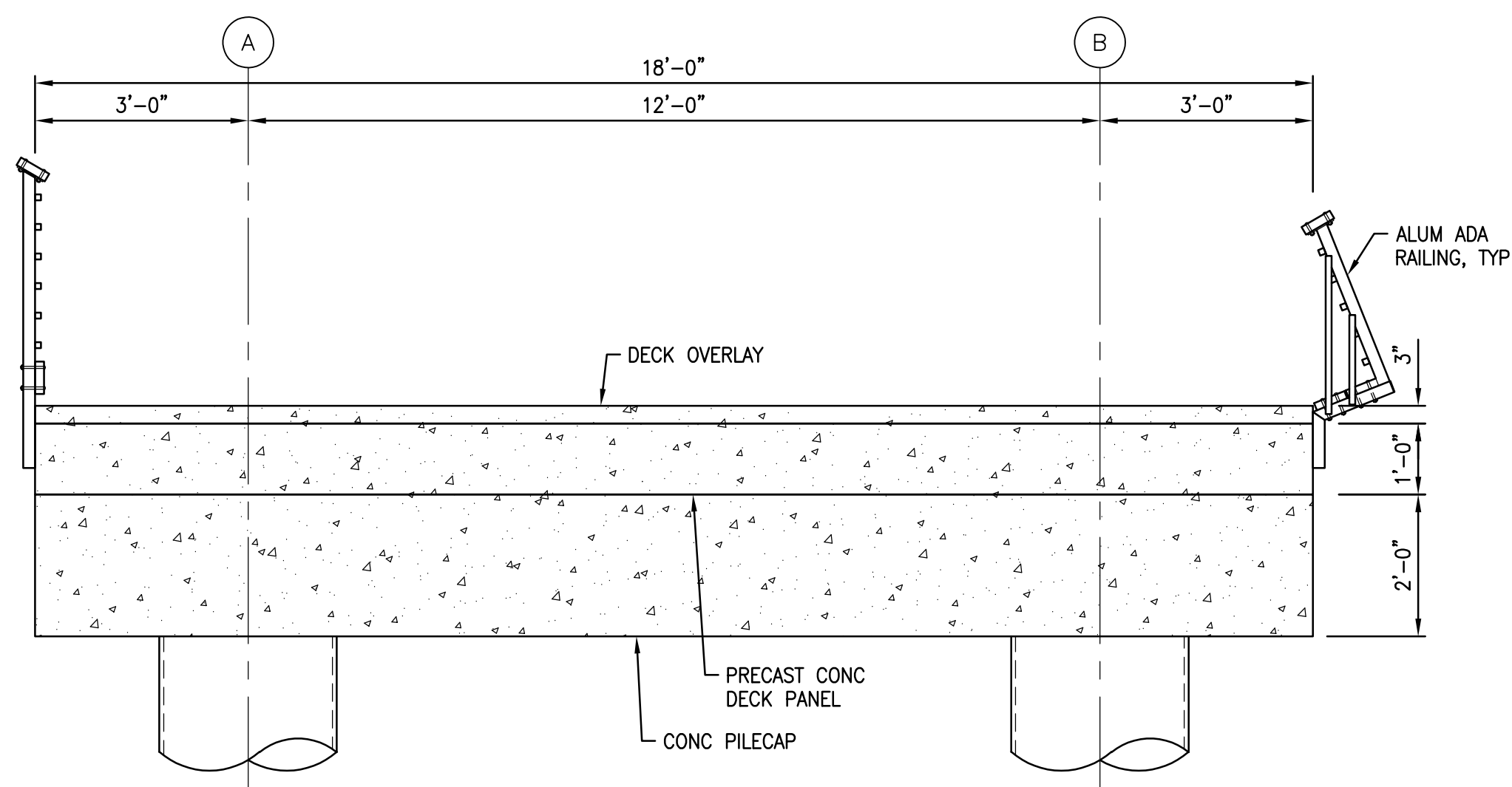
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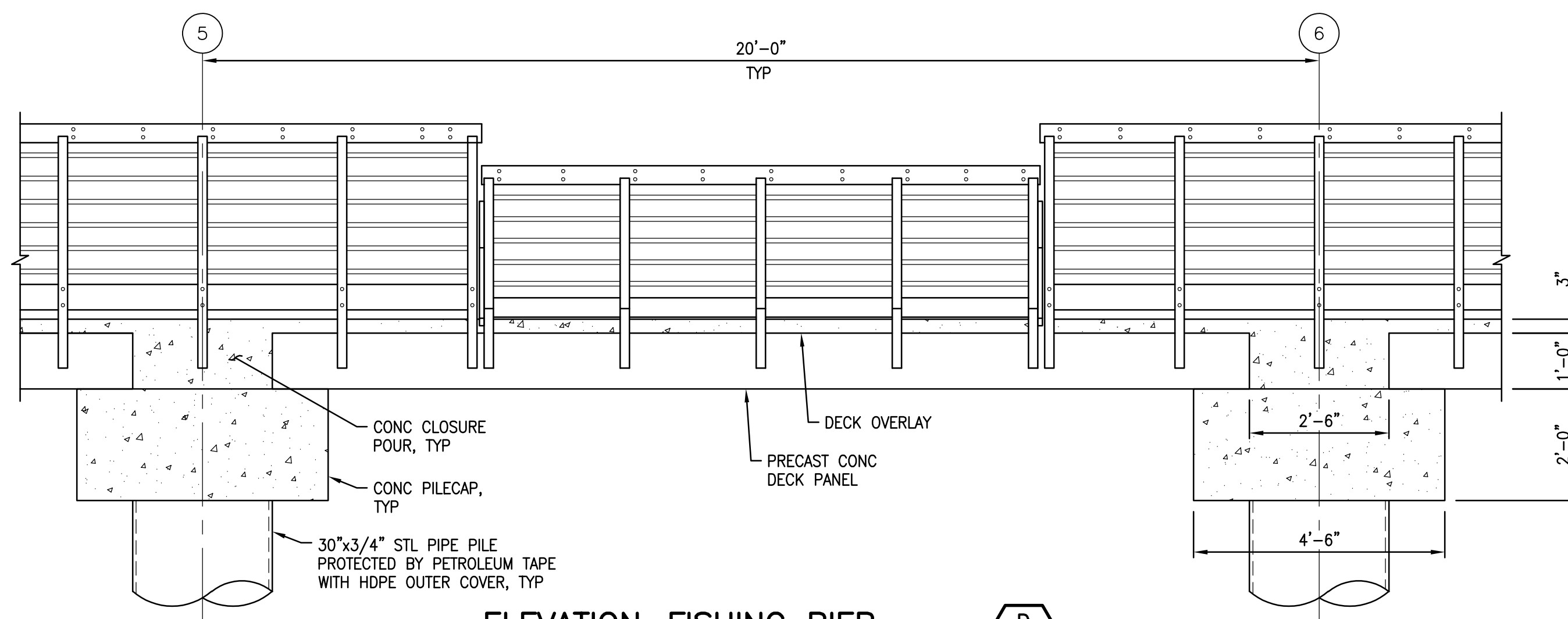
SECTION-ACCESS TRESTLE
 SCALE: 1/2" = 1'-0"
 S1.0 | S1.2



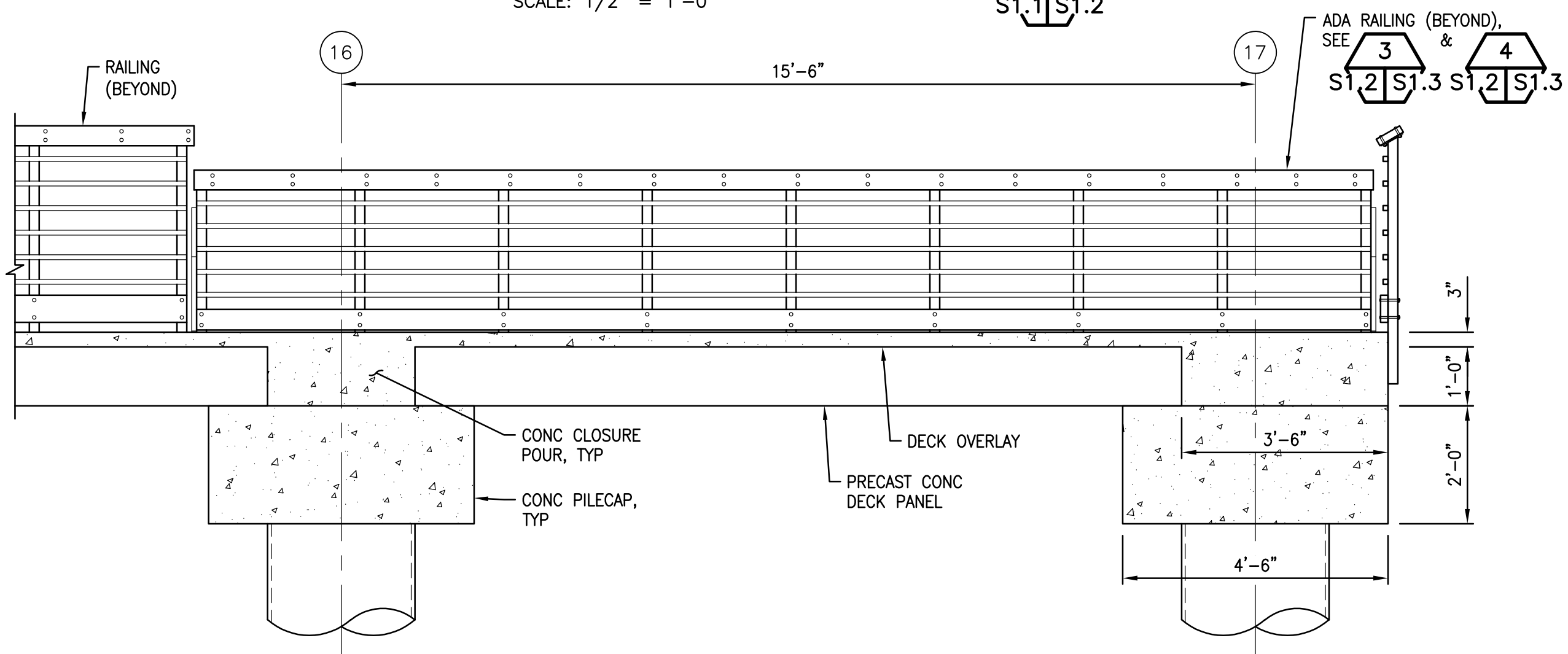
ELEVATION-ACCESS TRESTLE
 SCALE: 1/2" = 1'-0"
 S1.0 | S1.2



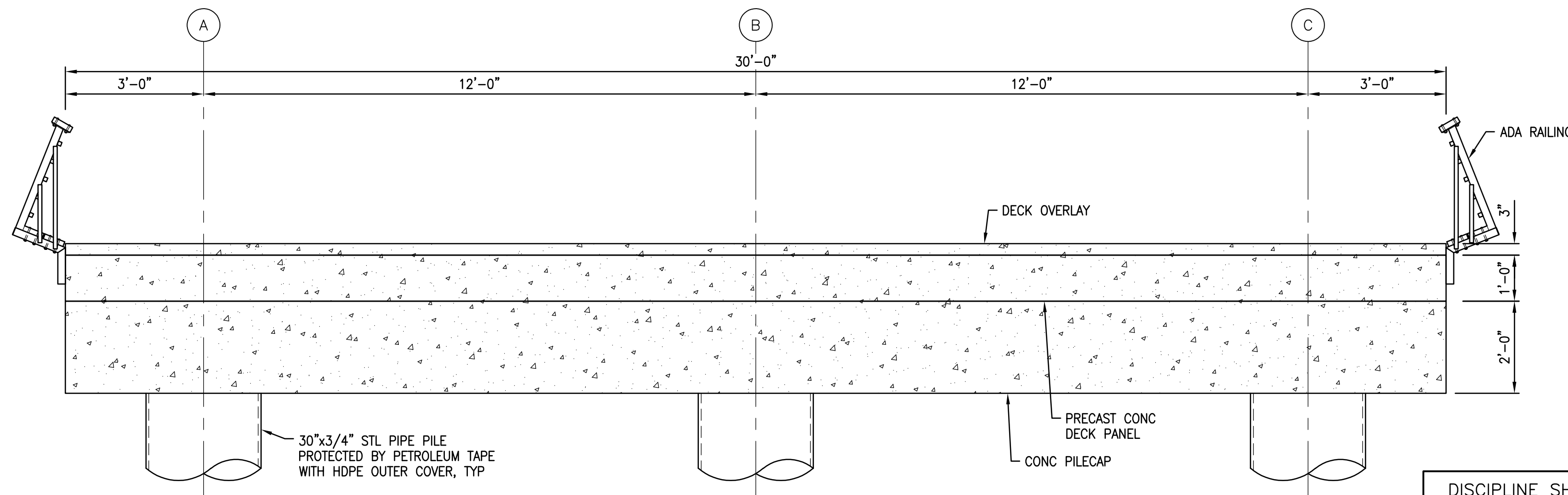
SECTION-FISHING PIER
 SCALE: 1/2" = 1'-0"
 S1.1 | S1.2



ELEVATION-FISHING PIER
 SCALE: 1/2" = 1'-0"
 S1.1 | S1.2



SECTION-FISHING PIER
 SCALE: 1/2" = 1'-0"
 S1.1 | S1.2



SECTION-FISHING PIER
 SCALE: 1/2" = 1'-0"
 S1.1 | S1.2

DISCIPLINE SHEET #
S1.2

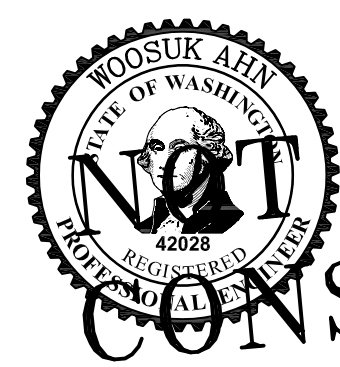
PROJECT NO.
 KG:A800:2024-1

SHEET OF
16 **27**

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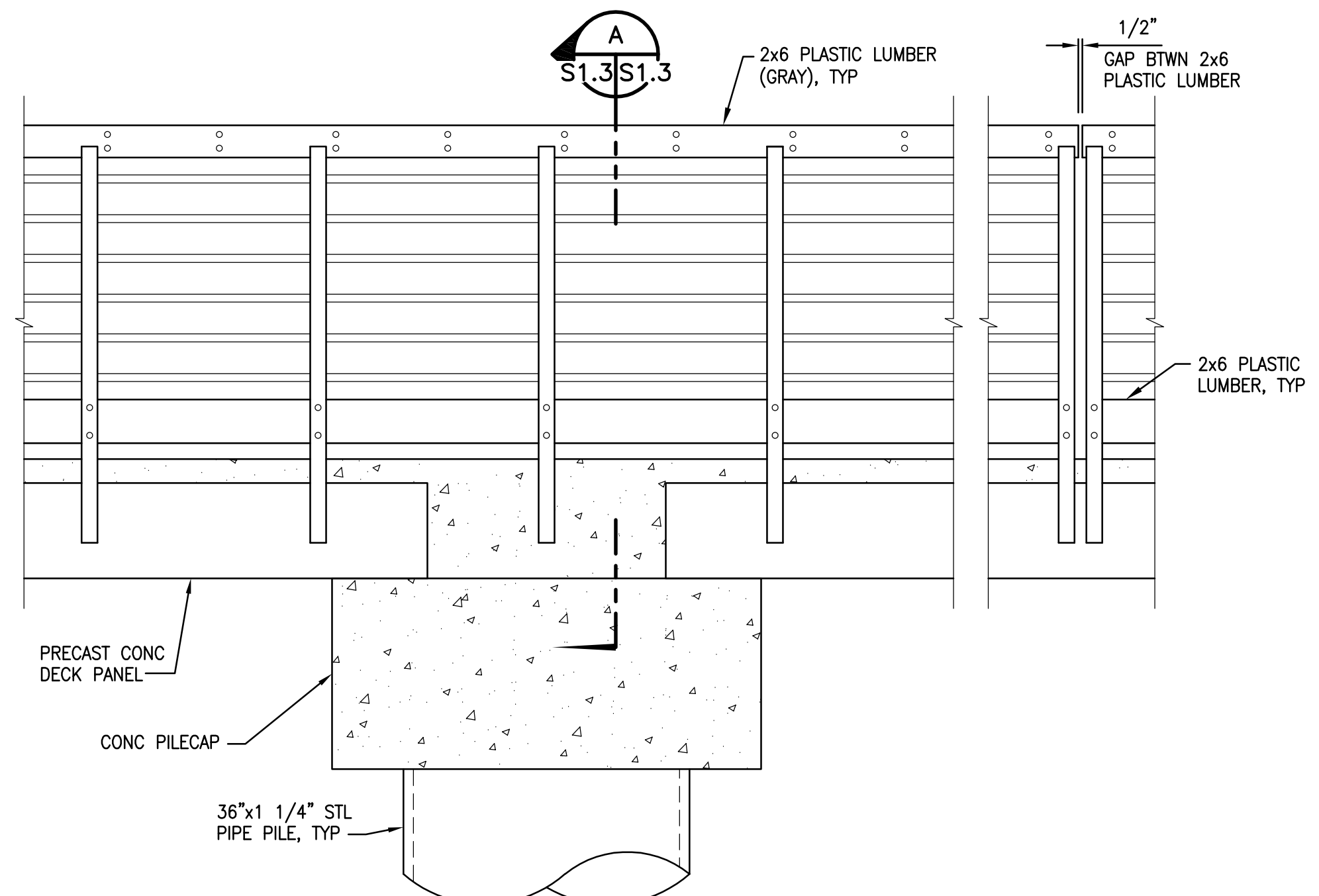


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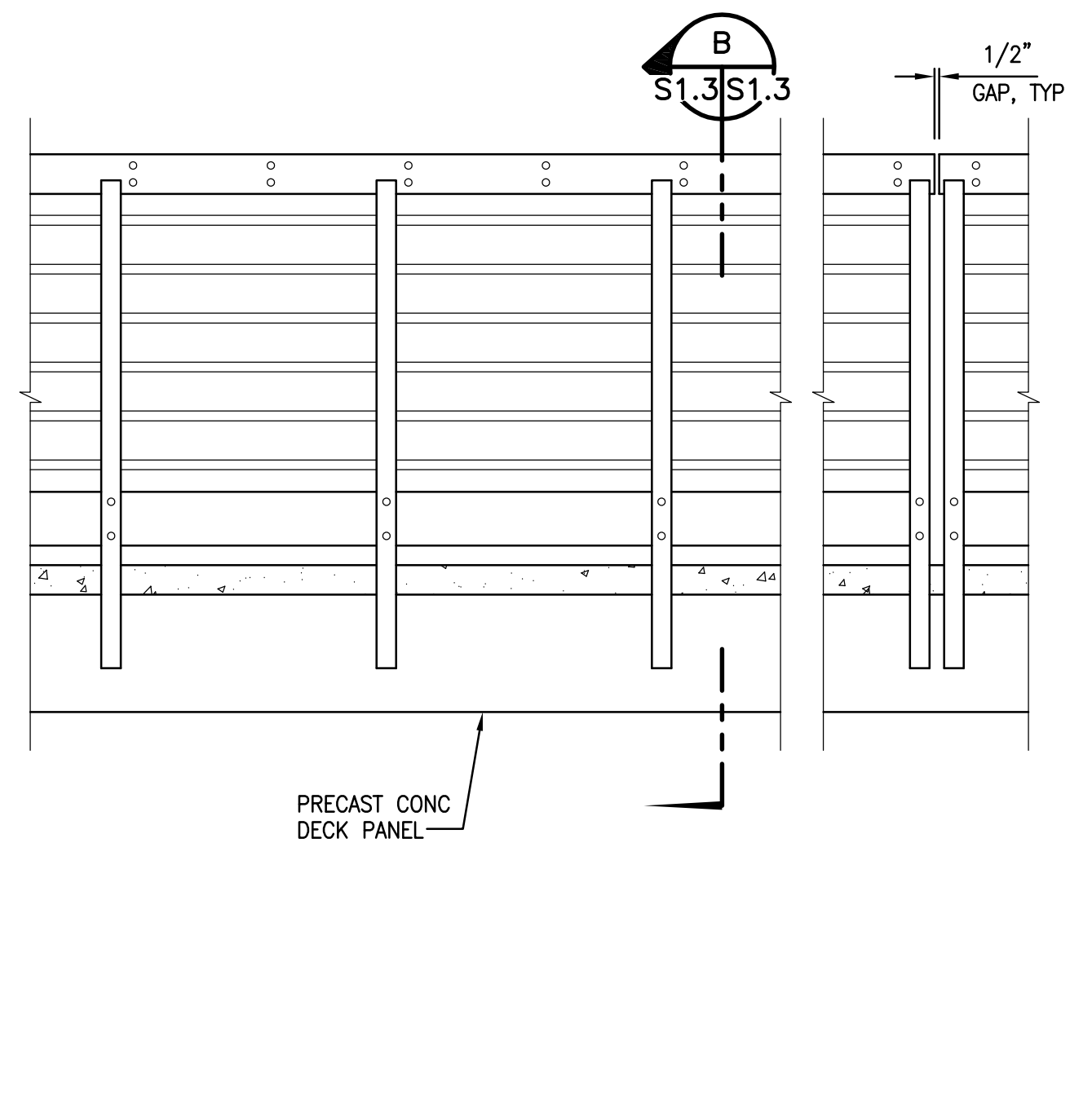
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**CENTENNIAL PARK
 ELLIOTT BAY FISHING PIER
 PIER SECTIONS AND ELEVATIONS**

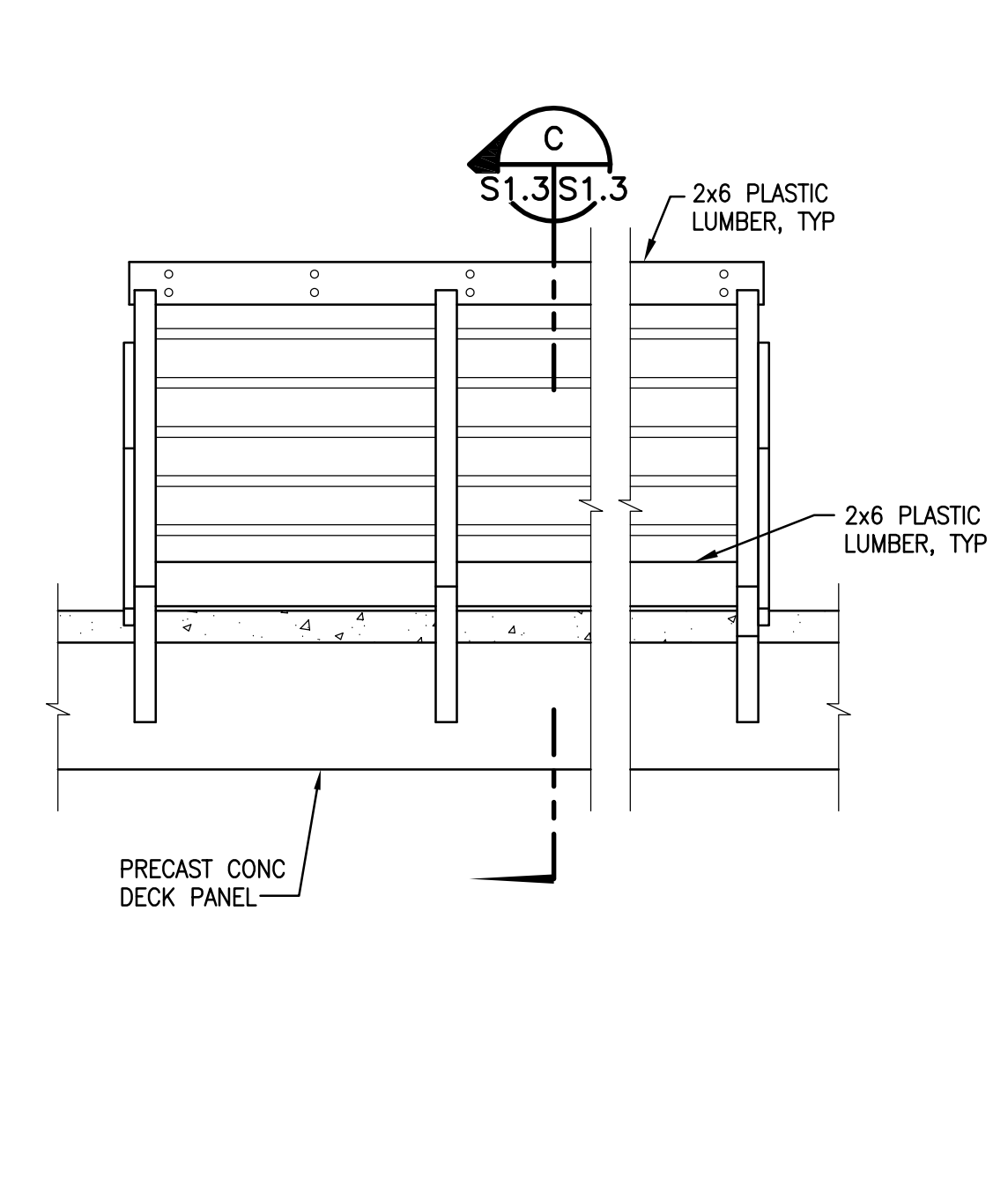
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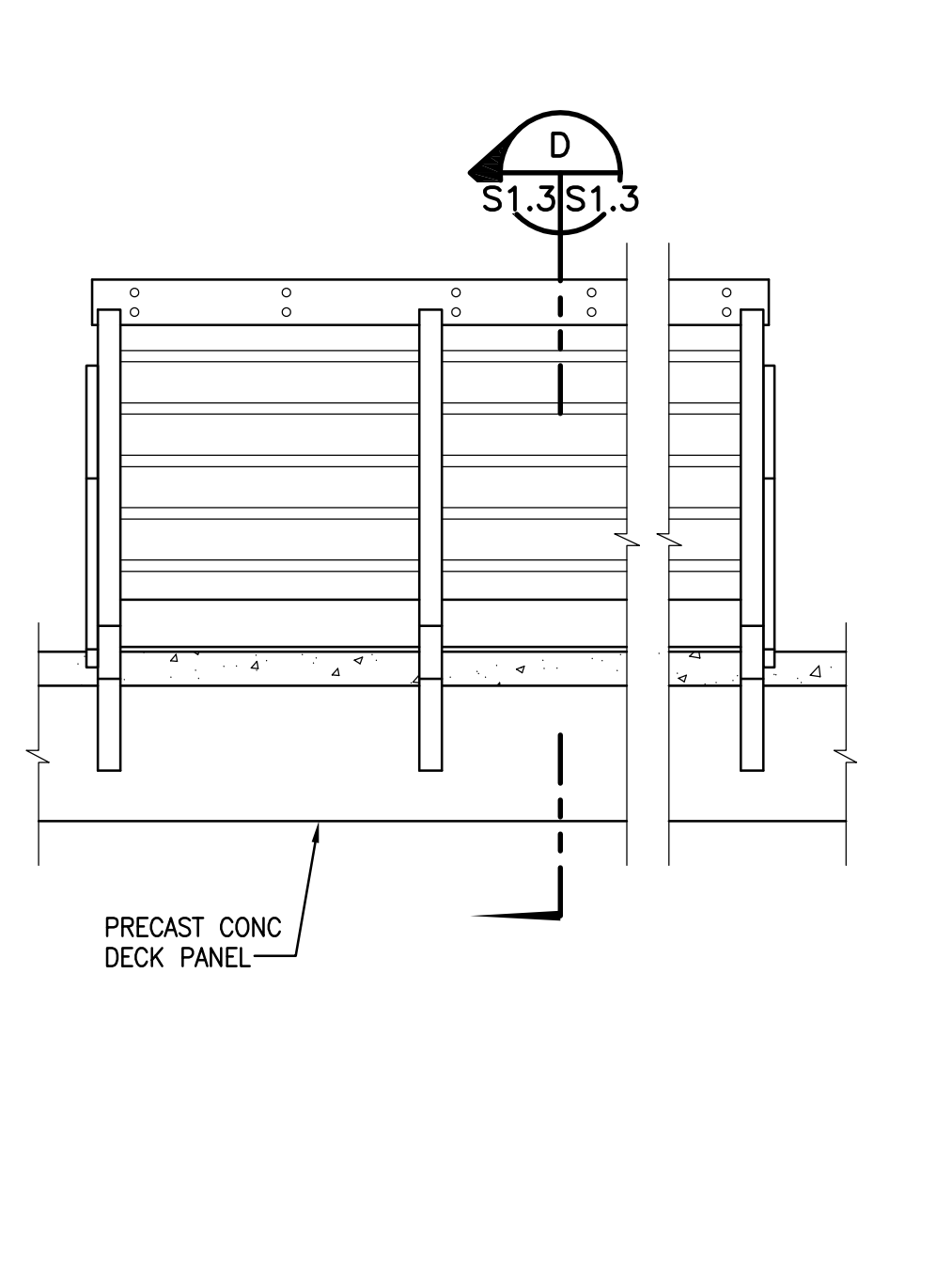
ELEVATION-RAILING 1
SCALE: 3/4" = 1'-0" S1.2 | S1.3



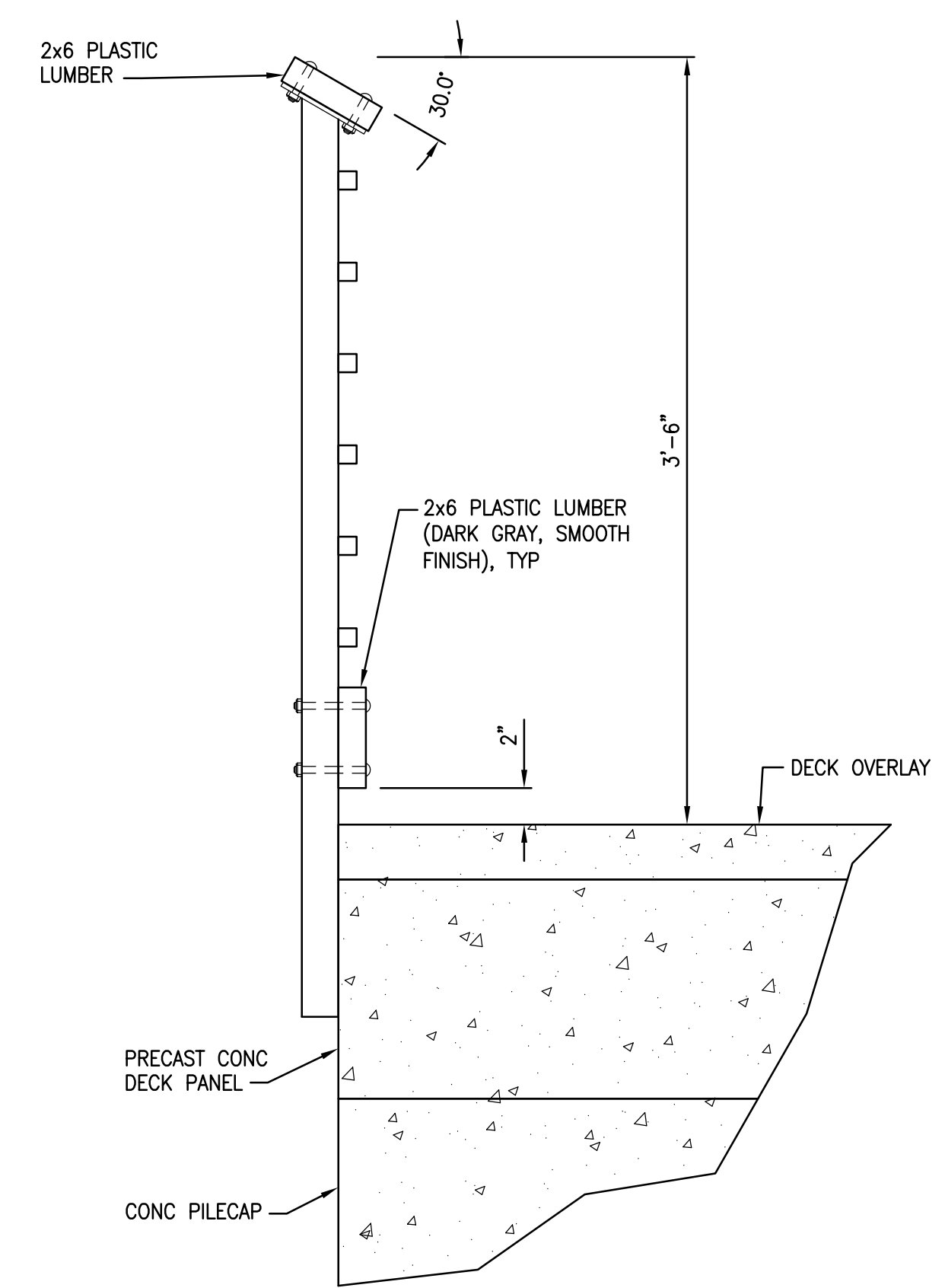
ELEVATION-RAILING 2
SCALE: 3/4" = 1'-0" S1.2 | S1.3



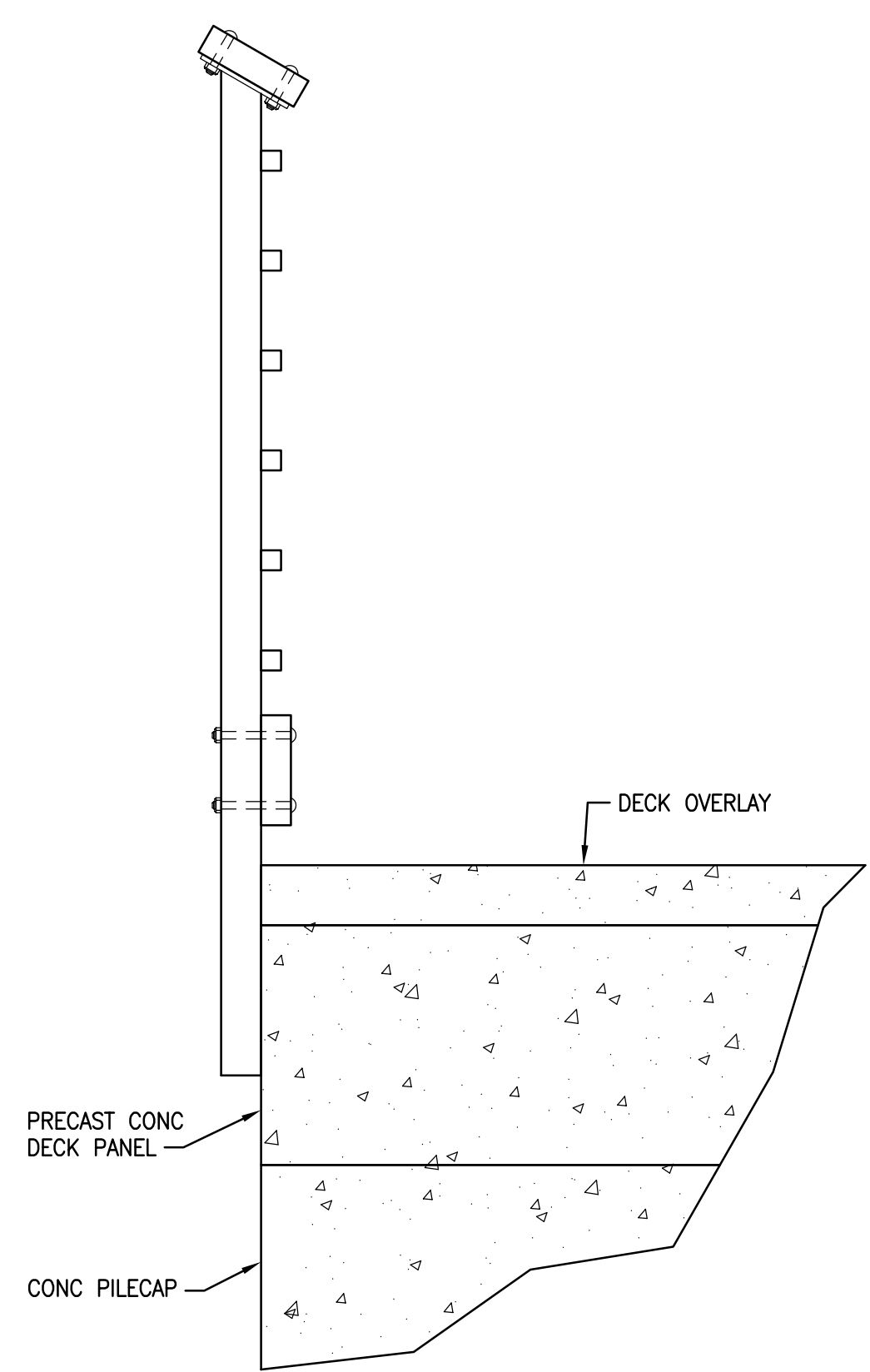
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SCALE: 3/4" = 1'-0" S1.2 | S1.3



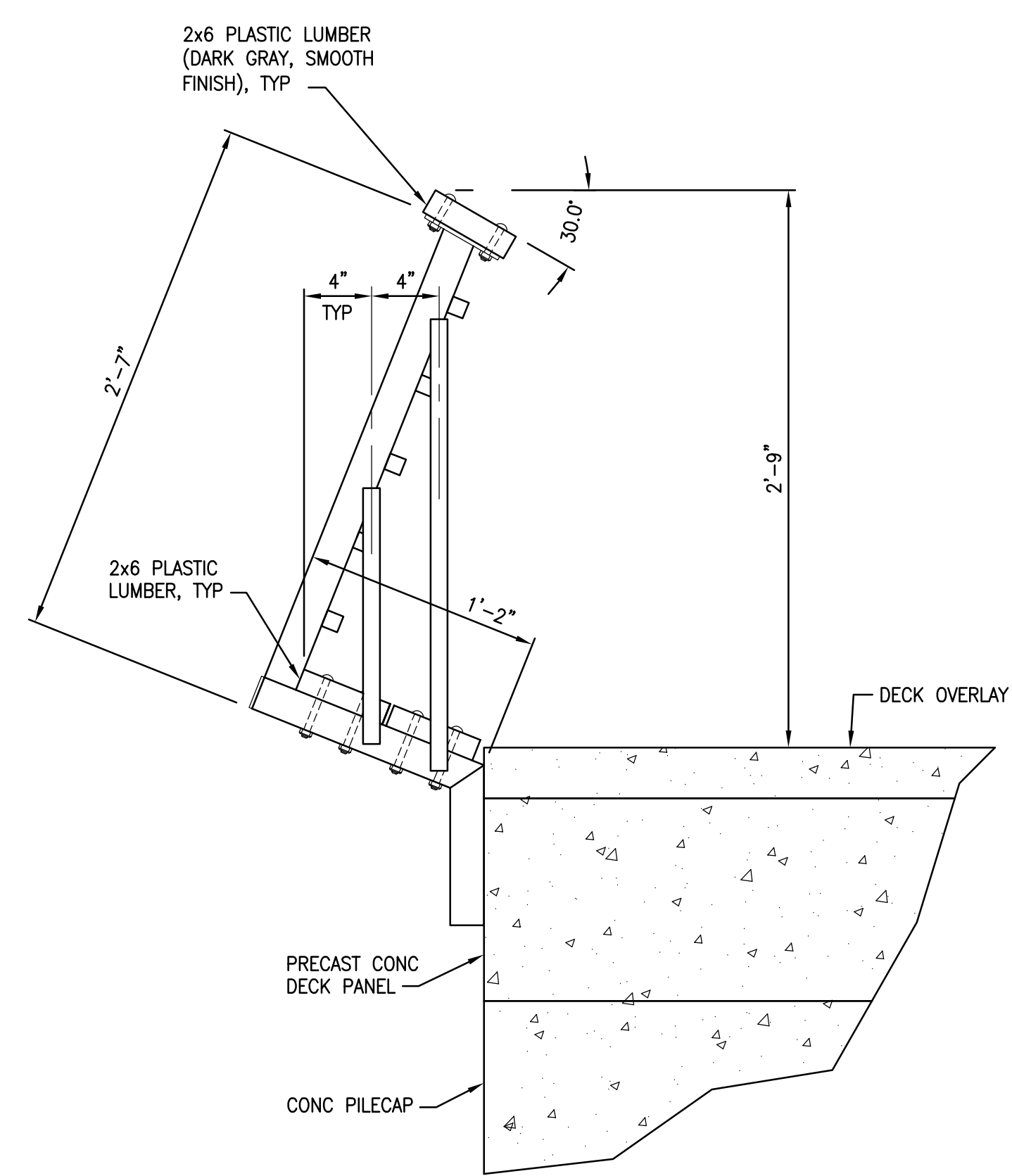
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SCALE: 3/4" = 1'-0" S1.2 | S1.3



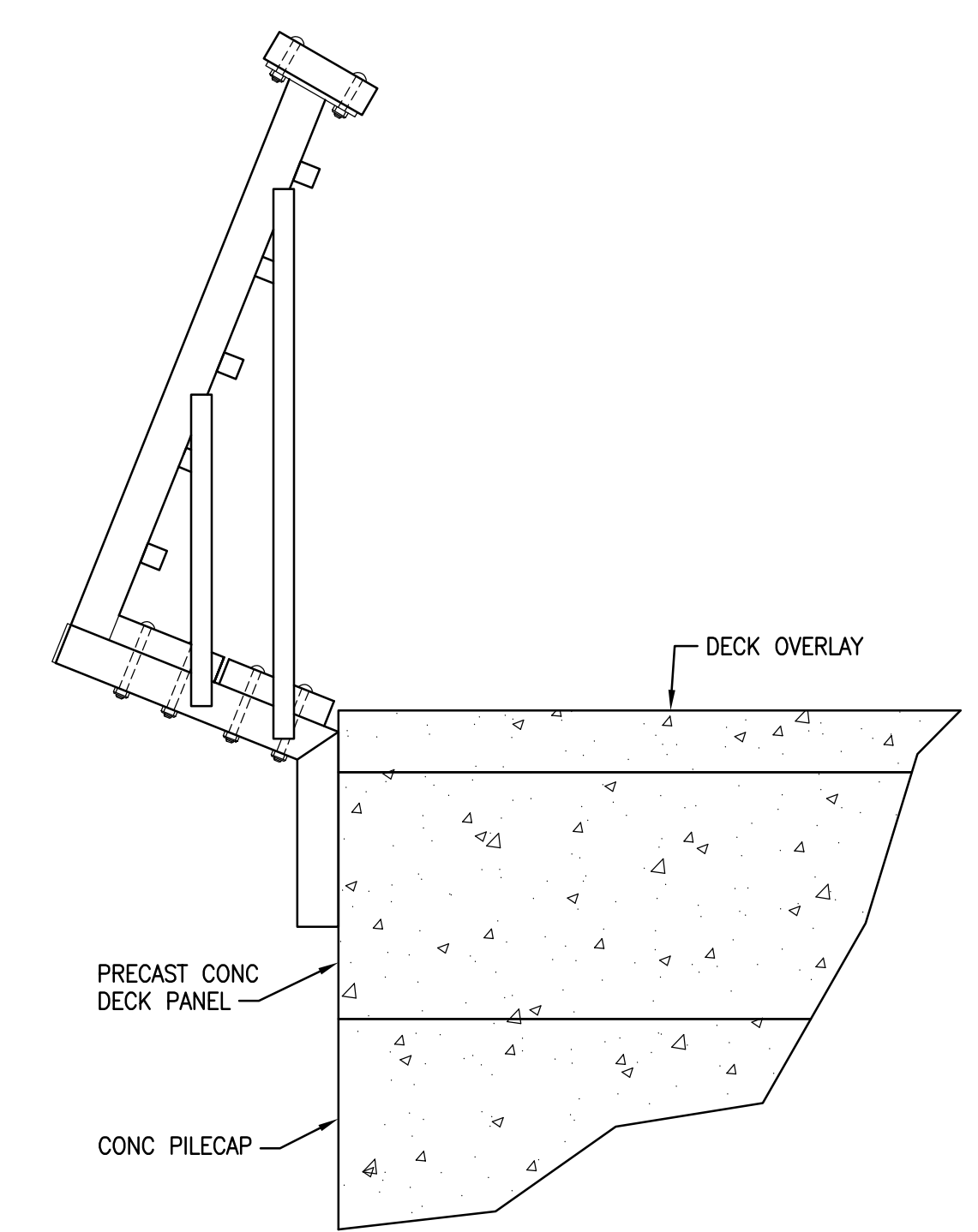
SECTION-RAILING A
SCALE: 1 1/2" = 1'-0" S1.3 | S1.3



SECTION-RAILING B
SCALE: 1 1/2" = 1'-0" S1.3 | S1.3



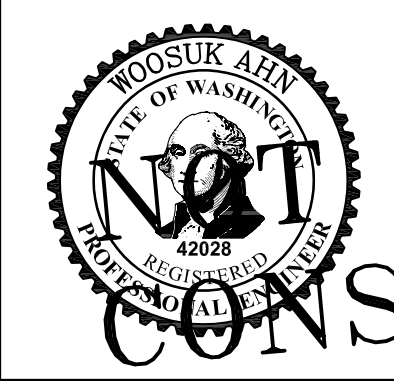
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SCALE: 1 1/2" = 1'-0" S1.3 | S1.3



SECTION-ADA RAILING D
SCALE: 1 1/2" = 1'-0" S1.3 | S1.3

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CHECKED BY W. AHN
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**CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
RAILING SECTIONS AND DETAILS**

DISCIPLINE SHEET #	
S1.3	
PROJECT NO.	
KG:A800:2024-1	
SHEET	OF
17	27

POWER

FOR RECEPTACLES IN THIS SECTION, WP DENOTES WEATHERPROOF WHILE-IN-USE BOX AND GFI RECEPTACLE. FOR ALL OTHER DEVICES, WP DENOTES NEMA 3R ENCLOSURE UNO.

- CONVENIENCE RECEPTACLE - DUPLEX UNO, MOUNTING HEIGHT TO BE 18" AFF UNO
3 = CIRCUIT NUMBER
- CONVENIENCE RECEPTACLE - FOURPLEX
- SIMPLEX RECEPTACLE WITH BRASS FLOORPLATE AND SCREW CAP
- DUPLEX RECEPTACLE - FLUSH MOUNTED IN FLOOR
- FOURPLEX RECEPTACLE - FLUSH MOUNTED IN FLOOR
- JUNCTION BOX
- SPECIAL PURPOSE RECEPTACLE, DESIGNATION AND AMPERAGE AS INDICATED, OR SHOWN IN SCHEDULE, SEE SPECIFICATIONS
- CONNECTION POINT TO EQUIPMENT SPECIFIED FURNISHED AND INSTALLED BY OTHER TRADES. RACEWAY, CONDUCTOR AND CONNECTION BY ELECTRICAL CONTRACTOR.
- NONFUSED DISCONNECT SWITCH. SIZE 30A UNLESS INDICATED OTHERWISE, 3 POLE UNO
- FUSED DISCONNECT SWITCH. SIZE INDICATED, (60 = SWITCH RATING, 40 = FUSE RATING) 3 POLE UNO
- COMBINATION MOTOR STARTER AND DISCONNECT, SIZE PER MANUFACTURER REQUIREMENTS, NUMBER OF POLES AS REQUIRED
- PANEL
- TRANSFORMER
- HANDHOLE, SIZE AS NOTED
- THERMOSTAT
- GROUND ROD
- GENERATOR

LIGHTING

SEE LUMINAIRE SCHEDULE FOR FURTHER INFORMATION. SMALL LETTER SUBSCRIPT ON SWITCH AND LUMINAIRE INDICATES SWITCHING. MULTIPLE SUBSCRIPTS INDICATE MULTIPLE SWITCHLEGS CONTROLLED BY ONE SWITCH.

- LIGHTING CONTROL RISER DIAGRAM: MORE FIXTURES CONNECTED IN A SIMILAR CONFIGURATION
- LIGHTING PLANS: ENERGY CODE PRIMARY DAYLIGHT ZONE AREA
- LIGHTING PLANS: ENERGY CODE SECONDARY DAYLIGHT ZONE AREA
- FIXTURE IDENTIFICATION TAG:
HEX - FIXTURE TYPE
TOP - MOUNTING HEIGHT AFF OR AFG
BOTTOM - COMMENTS
- LUMINAIRE
3 = CIRCUIT NUMBER
a = SWITCH LEG
- LUMINAIRE ON EMERGENCY CIRCUIT
- EMERGENCY EGRESS LUMINAIRE
- EXIT LIGHT ON UNSWITCHED LEG OF EMERGENCY CIRCUIT WITH FACE(S) SHOWN, SEE SCHEDULE
- POLE MOUNTED LUMINAIRE
- WALL SWITCH, SYMBOL INDICATED WALL SWITCH LOCATION. SEE LIGHTING CONTROL SCHEDULE FOR WALL SWITCH TYPE AND FEATURES.
- REMOTE LED DRIVER
- REMOTE 0-10V LIGHTING CONTROLLER
- PHOTOCELL CONTACTOR RELAY

SYSTEMS & COMMUNICATIONS

- TELEPHONE OUTLET
- CAT-6 DATA OUTLET
- TELEVISION OUTLET
- TELEPHONE TERMINAL BOARD
- MAIN DISTRIBUTION FRAME
- INTERMEDIATE DISTRIBUTION FRAME

ONE-LINE DIAGRAM

ALL DEVICES THIS SECTION TO BE 3 POLE UNO, RATINGS AS INDICATED.

- TRANSFORMER, SECONDARY VOLTAGE. PHASE AND RATING INDICATED AS APPLICABLE.
- GROUND
- FUSE
- CIRCUIT BREAKER
- SWITCH
- REVENUE GRADE METER AND ENCLOSURE
- CURRENT TRANSFORMER
- TRANSFER SWITCH
- MOTOR CONNECTION
- FEEDER TAG - SEE FEEDER SCHEDULE FOR FURTHER INFORMATION

CONDUIT AND RACEWAY

ALL CONDUCTORS INCLUDING NEUTRAL AND GROUND SHALL BE SIZED TO MATCH OR EXCEED OVERCURRENT PROTECTION DEVICE PER NEC, 2#12, 1#12G MINIMUM UNO. ALL CONDUITS SHALL BE SIZED TO MATCH OR EXCEED QUANTITIES AND SIZES OF CONDUCTORS PER NEC, 3/4" MINIMUM UNO.

- HOME RUN, DESTINATION SHOWN, CIRCUIT NUMBERS PRECEDED BY PANEL NAME, SEE PANEL SCHEDULE, ARROW DOES NOT ALWAYS POINT TO PANEL.
- ABOVE GROUND CONDUIT AND CONDUCTORS, CONCEALED UNO. EXPOSED CONDUITS SHALL BE GRS PAINTED TO MATCH THE STRUCTURE, EMBEDDED CONDUITS SHALL BE SCHEDULE 40 PVC UNO.
- UNDERGROUND CONCEALED CONDUIT AND CONDUCTORS, SCHEDULE 40 PVC UNO.
- CONDUIT DOWN
- CONDUIT UP
- CONDUIT STUBBED AND CAPPED AS SHOWN
- CONDUIT CONTINUED
- EXPOSED FLEX CONDUIT

ABBREVIATIONS

- | | | | |
|----------|---|------|---------------------------------------|
| A | AMMETER, AMPERE | KVA | KILOVOLT AMPERE(S) |
| AC | ABOVE COUNTER | KW | KILOWATT(S) |
| AF | AMPERE FRAME | LC | LIGHTING CONTACTOR |
| AFF | ABOVE FINISHED FLOOR | LED | LIGHT EMITTING DIODE |
| AFG | ABOVE FINISHED GRADE | M | MAGNETIC COIL |
| AHJ | AUTHORITY HAVING JURISDICTION | MCB | MAIN CIRCUIT BREAKER |
| AIC | AMPERE INTERRUPTING CAPACITY | MCC | MOTOR CONTROL CENTER |
| AL | ALUMINUM | MH | MANHOLE, METAL HALIDE |
| ANN | ANNUNCIATOR | MIN | MINIMUM |
| ASYM | ASYMMETRICAL | MISC | MISCELLANEOUS |
| AT | AMPERE TRIP | MLO | MAIN LUGS ONLY |
| ATS | AUTOMATIC TRANSFER SWITCH | MOV | METAL OXIDE VARISTOR |
| AUX | AUXILIARY | MTD | MOUNTED |
| BLDG | BUILDING | MTG | MOUNTING |
| BRKR | BREAKER | MTS | MANUAL TRANSFER SWITCH |
| C | CONDUIT | N | NEUTRAL, NEW |
| CATV | CABLE TELEVISION | NC | NORMALLY CLOSED |
| CB | CIRCUIT BREAKER | NEUT | NEUTRAL |
| CCTV | CLOSED CIRCUIT TELEVISION | NO | NORMALLY OPEN, NUMBER |
| CKT | CIRCUIT | NIC | NOT IN CONTRACT |
| CL | CENTER LINE | NP | NAMEPLATE |
| CLF | CURRENT LIMITING | Ø | PHASE, DIAMETER |
| CLR | CLEAR | P | PANEL, POLE |
| CM | CIRCULAR MILS | PB | PUSH-BUTTON |
| COMM | COMMUNICATIONS | PF | POWER FACTOR |
| CONC | CONCRETE | PH | PHASE |
| CONST | CONSTRUCTION | PIR | PASSIVE INFRARED |
| CONT | CONTINUED | PIV | POST INDICATOR VALVE |
| CPT | CONTROL POWER TRANSFORMER | PNL | PANEL |
| CR | CONTROL RELAY | POMB | POSITION ORIENTED MOGUL BASE (SOCKET) |
| CT | CURRENT TRANSFORMER | PS | PRESSURE SWITCH |
| CTRL | CONTROL | PSE | PUGET SOUND ENERGY RELAY |
| CU | COPPER | R | RECEPTACLE(S), RECESSED ROOM |
| DDC | DEDICATED DIALAR CIRCUIT | SCH | SCHEDULE |
| DEM | DEMAND | SCL | SEATTLE CITY LIGHT |
| DEMOL | DEMOLITION | SEC | SEATTLE ENERGY CODE |
| DIM | DIMENSION | SD | SMOKE DETECTOR |
| DISC | DISCONNECT | SF | SQUARE FEET |
| DN | DOWN | SHT | SHEET |
| DS | DISCONNECT SWITCH | SPD | SURGE PROTECTIVE DEVICE |
| DWG | DRAWING | SUPV | SUPERVISOR |
| DZ | DAYLIGHT ZONE | SW | SWITCH |
| E | EMPTY, EXISTING | SWBD | SWITCHBOARD |
| EF | EXHAUST FAN | SWGR | SWITCHGEAR |
| ELEC | ELECTRICAL | SYM | SYMMETRICAL |
| ELEV | ELEVATION, ELEVATOR | T | THERMOSTAT |
| EMT | ELECTRICAL METALLIC TUBING | TB | TERMINAL BLOCK, TRANSFORMER BANK |
| EXIST | EXISTING | TEL | TELEPHONE |
| F,FU | FUSE | TPU | TACOMA PUBLIC UTILITIES |
| FACP | FIRE ALARM CONTROL PANEL | TTB | TELEPHONE TERMINAL BOARD |
| FBOIC | FURNISHED BY OTHERS INSTALLED BY CONTRACTOR | TYP | TYPICAL |
| FLUOR | FLUORESCENT | UG | UNDERGROUND |
| FSA | FIRE SYSTEM ANNUNCIATOR | UH | UNIT HEATER |
| FT | FOOT | UL | UNDERWRITERS LABORATORIES |
| FVNR | FULL VOLTAGE NON-REVERSING | UNO | UNLESS NOTED OTHERWISE |
| G,GND | GROUND | UPS | UNINTERRUPTIBLE POWER SUPPLY |
| GA | GAUGE | V | VOLTMETER, VOLT |
| GALV | GALVANIZED | VA | VOLT AMPERE(S) |
| GFI | GROUND FAULT INTERRUPTER | VP | VAPORPROOF |
| GRC,GRS | GALVANIZED RIGID STEEL | W | WIRE, WATT |
| HH | HANDHOLE | W/ | WITH |
| HP | HORSEPOWER | WAC | WASHINGTON ADMINISTRATIVE CODE |
| HPS | HIGH PRESSURE SODIUM | WHD | WATTHOUR DEMAND METER |
| HVAC | HEATING, VENTILATION, AIR CONDITIONING | W/O | WITHOUT |
| HWH | HOT WATER HEATER | WP | WEATHERPROOF |
| IC | INTERRUPTING CAPACITY | WSEC | WASHINGTON STATE ENERGY CODE |
| JB,J-BOX | JUNCTION BOX | XFMR | TRANSFORMER |
| K | KELVIN | 3P | 3-POLE |
| KCM | THOUSAND CIRCULAR MILS | | |
| KV | KILOVOLT | | |

DRAWING CONVENTIONS

- TITLE**
SCALE: 1/4"=1'-0"
- DETAIL/SECTION TITLE UNDERLINE, E1 = SHEET WHERE REFERENCED
- A = DETAIL/SECTION NUMBER
E2 = SHEET WHERE SHOWN
- NORTH ARROW
- NOTE
- REVISION REFERENCE
- EQUIPMENT ID TAG - SEE EQUIPMENT SCHEDULE FOR FURTHER INFORMATION, COORDINATE EQUIPMENT LOCATION WITH ASSOCIATED MECHANICAL, CIVIL, ETC. PLANS

GENERAL NOTES

1. MEET ALL REQUIREMENTS OF THE NEC AND AHJ FOR INSTALLATION AND CONSTRUCTION.
2. VERIFY LOCATION OF ALL MECHANICAL AND HEATING EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. COORDINATE EXACT CIRCUIT BREAKER, FUSE AND WIRE SIZE WITH MECHANICAL PRIOR TO ROUGH-IN.
3. VERIFY LOCATION OF ALL LUMINAIRE AND DEVICES WITH ARCHITECTURAL AND/OR LANDSCAPE PLANS AND ELEVATIONS PRIOR TO ROUGH-IN.
4. ALL EXTERIOR DEVICES TO BE CIRCUITED WITH #10 WIRE MINIMUM UNLESS NOTED OTHERWISE.
5. ALL WIRING SHALL BE COPPER UNLESS NOTED OTHERWISE.
6. VERIFY LOCATIONS OF OTHER UTILITIES PRIOR TO COMMENCING WORK, PROVIDE REQUIRED CLEARANCES FROM OTHER UTILITIES, BUILDINGS, AND FREESTANDING STRUCTURES, DURING INSTALLATION OF CONDUITS, CABLES, ETC.
7. USE ELECTRICAL PLANS FOR DETERMINING LUMINAIRE AND DEVICE COUNTS. QUANTITIES SHOWN WITHIN CALCULATION AND CONTROL SCHEDULES SHALL NOT BE USED FOR BID COUNTS.
8. NOT ALL COMPONENTS OF THE ELECTRICAL SYSTEMS ARE SHOWN (FOR CLARITY). PROVIDE MATERIALS AND LABOR NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
9. THE AIC OF THE PANELS SHOWN ARE TENTATIVE AND GIVEN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL CALCULATE THE PANEL AIC BASED UPON FINAL CONDUIT ROUTING AND TRANSFORMERS AND FUSES SUBMITTED.
10. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, WHICH MAY AFFECT THE WORK REQUIRED FOR THIS PROJECT PRIOR TO THE BEGINNING WORK.



APPROVED FOR CONSTRUCTION. REVIEW ONLY

REVISION DESCRIPTION BY DATE

DATE: 10/15/2024

0 1" BAR MEASURES ONE INCH ON 22x34 DRAWINGS

DESIGNED BY C. SMITH
CHECKED BY D. SIATERLIS
DRAWN BY C. SMITH
DATE 10/15/2024

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
ELECTRICAL SYMBOLS AND ABBREVIATIONS

DISCIPLINE SHEET #
E0.1

PROJECT NO.
KG:A800:2024-1

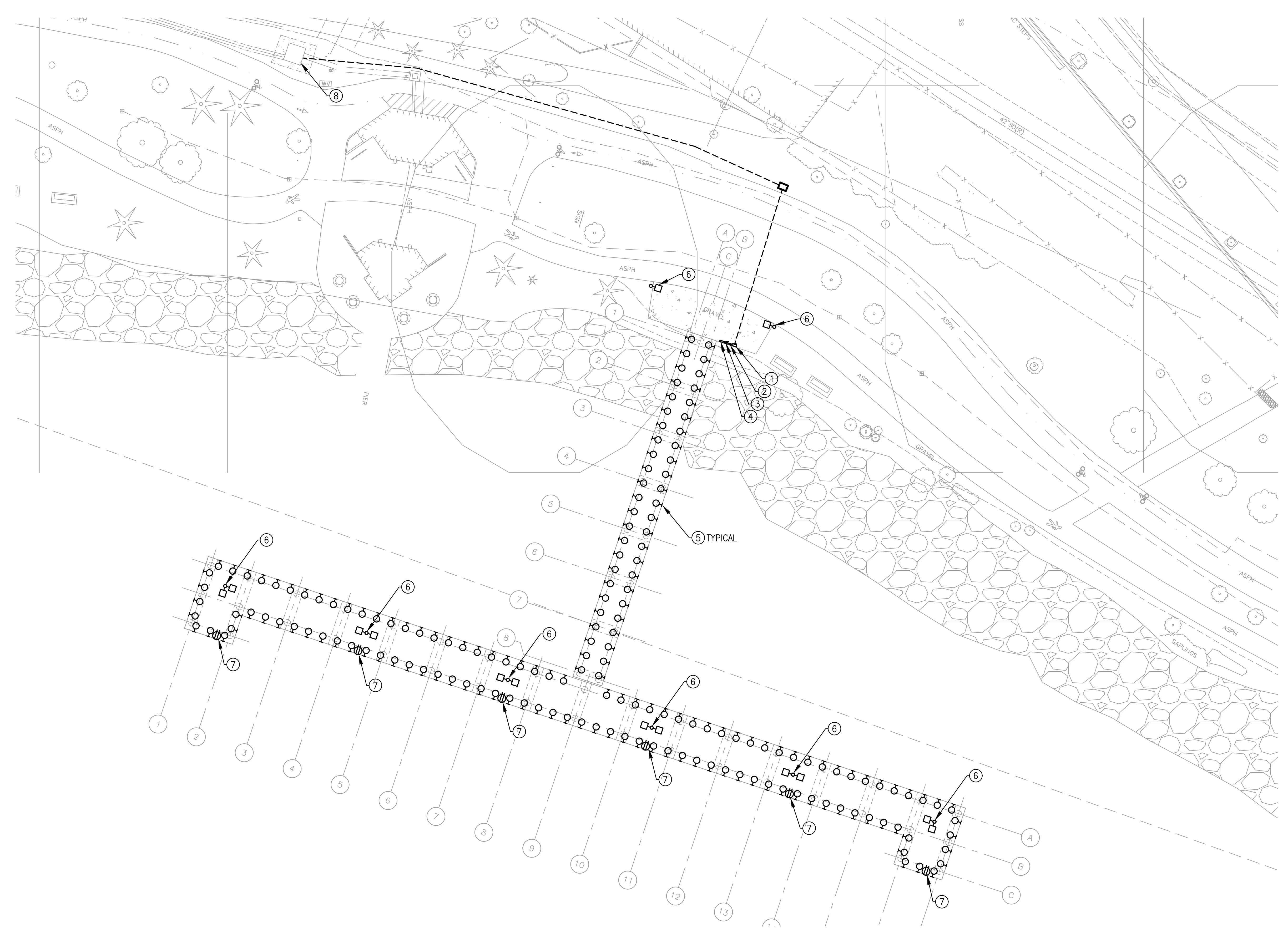
SHEET OF
18 27

GENERAL NOTES

1.

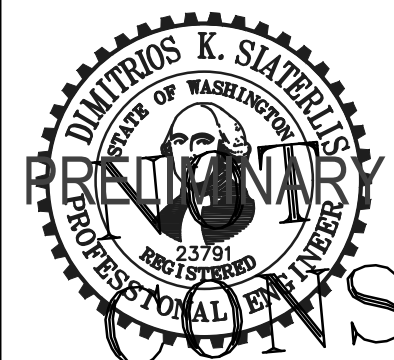
KEYED NOTES

- ① PROVIDE UTILITY METER PER ONE-LINE DIAGRAM AND SEATTLE CITY LIGHT STANDARDS.
- ② PROVIDE DISCONNECT PER ONE-LINE DIAGRAM.
- ③ PROVIDE PANELBOARD PER ONE-LINE DIAGRAM.
- ④ PROVIDE LIGHTING CONTROL CABINET PER ONE-LINE DIAGRAM.
- ⑤ RAILING MOUNTED LUMINAIRE.
- ⑥ POLE MOUNTED LUMINAIRE.
- ⑦ GFCI CONVENIENCE RECEPTACLE WITH CAST ALUMINUM WHILE-IN-USE COVER, EXACT LOCATION TO BE DETERMINED.
- ⑧ EXISTING SEATTLE CITY LIGHT (SCL) TRANSFORMER.



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DATE: _____ REVISION DESCRIPTION: _____
 DATE: _____ APPROVED AND RELEASED FOR CONSTRUCTION BY: _____
 CHIEF ENGINEER DATE: _____
 PROGRAM DATE: _____

0 1" BAR MEASURES ONE INCH ON 22x34 DRAWINGS

DESIGNED BY C. SMITH
 CHECKED BY D. SIATERLIS
 DRAWN BY C. SMITH
 DATE 10/15/2024

CENTENNIAL PARK
 ELLIOTT BAY FISHING PIER
 ELECTRICAL PLAN

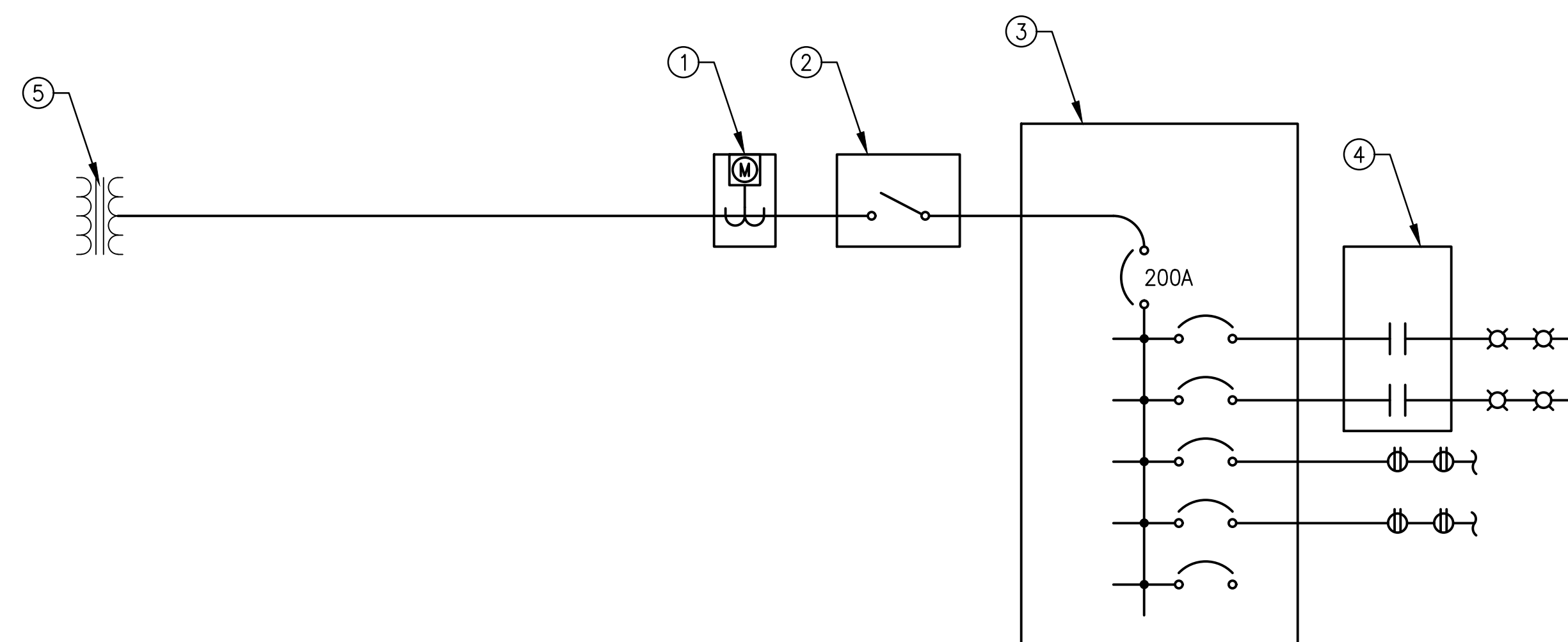
DISCIPLINE SHEET #	
E1.1	
PROJECT NO.	
KG:A800:2024-1	
SHEET	OF
#	##

GENERAL NOTES

1.

KEYED NOTES

- ① PROVIDE 200A 240V NEMA 4X UTILITY METER PER SEATTLE CITY LIGHT STANDARDS.
- ② PROVIDE 200A 240V NEMA 4X DISCONNECT.
- ③ PROVIDE 200A 240/120V 1Ø 3W NEMA 4X PANELBOARD.
- ④ PROVIDE NEMA 4X LIGHTING CONTROL CABINET.
- ⑤ EXISTING SEATTLE CITY LIGHT (SCL) TRANSFORMER.



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APPROVED AND RELEASED FOR CONSTRUCTION

DATE: _____
DATE: _____

PROGRAM _____

0 ——— 1"
BAR MEASURES ONE
INCH ON 22x34
DRAWINGS

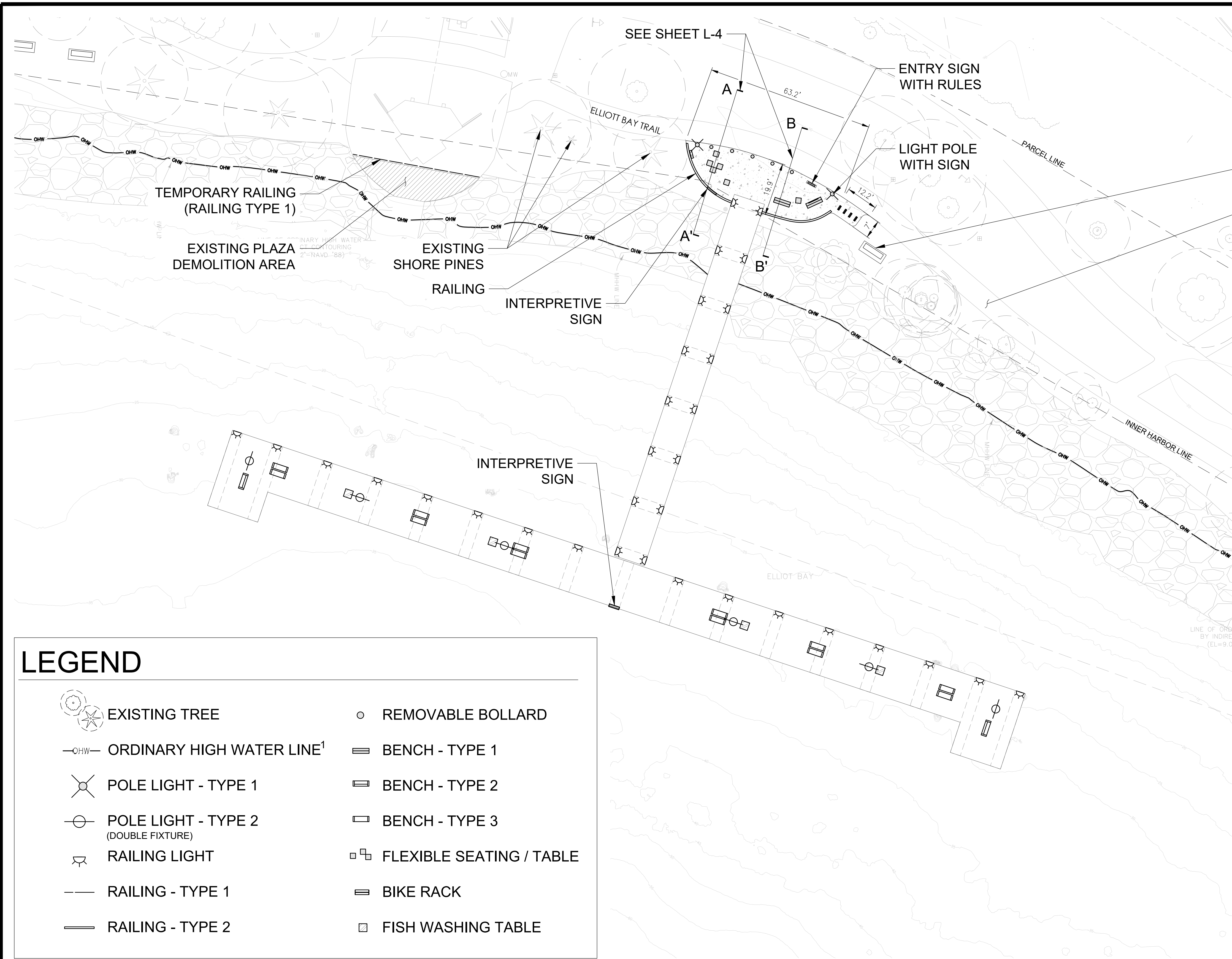
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DRAWN BY C. SMITH
DATE 10/15/2024

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
ELECTRICAL ONE-LINE DIAGRAM

DISCIPLINE SHEET #
E6.1

PROJECT NO.
KG:A800:2024-1

SHEET OF
20 27



LEGEND

- | | |
|---|--------------------------|
| EXISTING TREE | REMOVABLE BOLLARD |
| ORDINARY HIGH WATER LINE ¹ | BENCH - TYPE 1 |
| POLE LIGHT - TYPE 1 | BENCH - TYPE 2 |
| POLE LIGHT - TYPE 2
(DOUBLE FIXTURE) | BENCH - TYPE 3 |
| RAILING LIGHT | FLEXIBLE SEATING / TABLE |
| RAILING - TYPE 1 | BIKE RACK |
| RAILING - TYPE 2 | FISH WASHING TABLE |

NOTES

1. ORDINARY HIGH WATER LINE IS AT 10.1'. LOCATION SHOWN HEREON IS APPROXIMATE, DRAWN BY JAB.
2. LIGHTING LOCATIONS ARE CONCEPTUAL. FINAL LOCATIONS TO BE DETERMINED IN COORDINATION WITH THE LIGHTING CONSULTANT.
3. SEE PRODUCT INFORMATION ON DETAIL SHEETS, AND IN SUPPLEMENTAL PRODUCT DOCUMENT
4. ONE EXISTING BENCH ON THE EAST OF THE PROPOSED PLAZA IS PROPOSED TO BE REMOVED. SEE DEMOLITION PLAN.

35% DESIGN SUBMITTAL



DISCIPLINE SHEET #
L1.1
PROJECT NO.
EBFP

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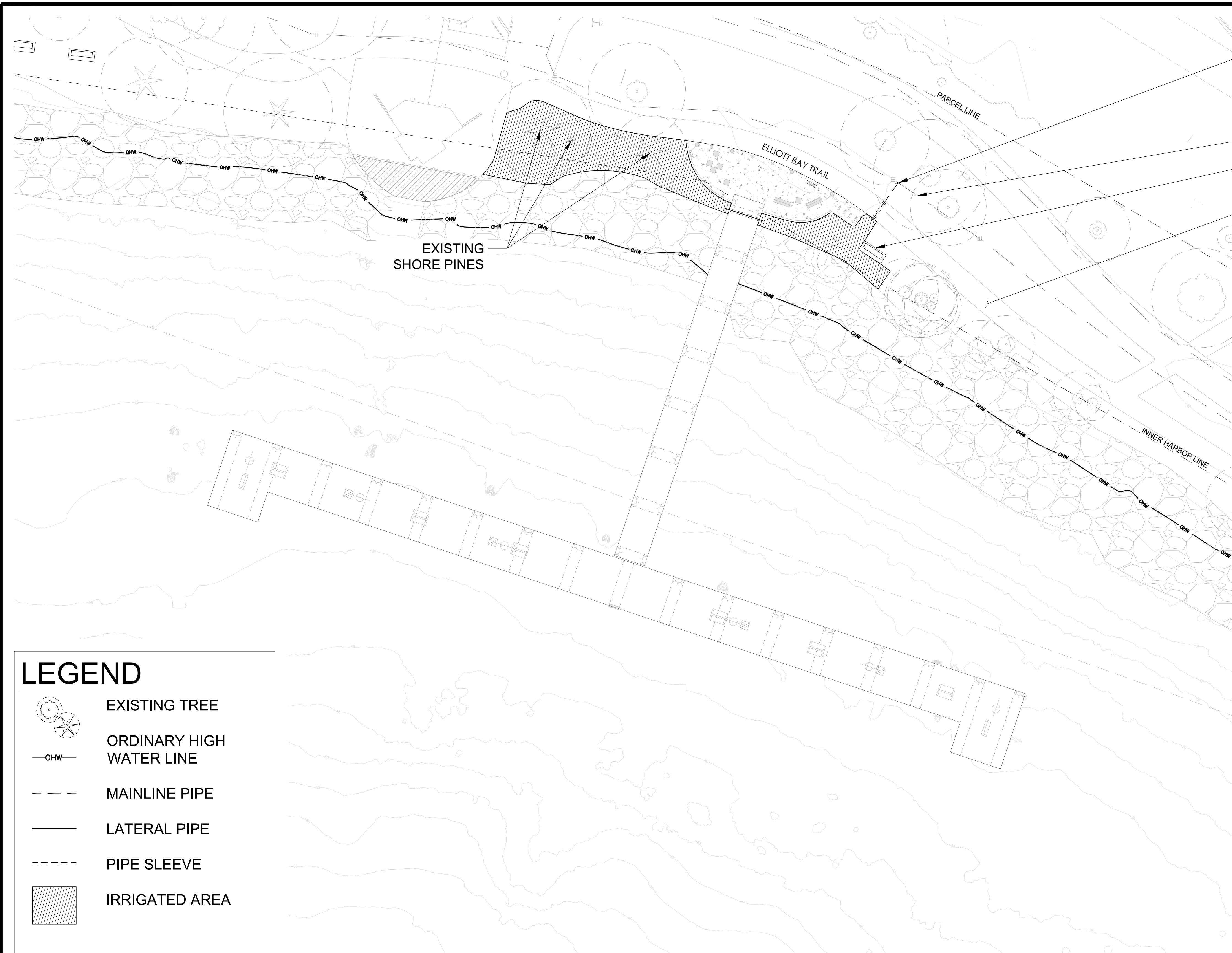
APPROVED AND RELEASED FOR CONSTRUCTION

CHIEF ENGINEER DATE:
PROGRAM DATE:

DESIGNED BY T. WILCOX
CHECKED BY J. BRENNAN
DRAWN BY W.SU
DATE 10/11/2024

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
LAYOUT PLAN

SHEET OF
21 27



- IRRIGATION CONNECTION TO ELLIOTT BAY CONNECTOR MAINLINE STUB-OUT AND CONTROLLER (ASSUMING AT OR NEAR EXISTING MAINLINE LOCATION)
- EXISTING IRRIGATION MAINLINE
- EXISTING BENCH TO REMAIN
- TRAIL, BY OTHERS

LEGEND

- EXISTING TREE
- ORDINARY HIGH WATER LINE
- MAINLINE PIPE
- LATERAL PIPE
- PIPE SLEEVE
- IRRIGATED AREA

NOTES

1. ORDINARY HIGH WATERLINE IS AT 10.1'. LOCATION SHOWN HEREON IS APPROXIMATE, DRAWN BY JAB.
2. ONE EXISTING BENCH ON THE EAST OF THE PROPOSED PLAZA IS PROPOSED TO BE REMOVED. SEE DEMOLITION PLAN.

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DISCIPLINE SHEET #
L1.2

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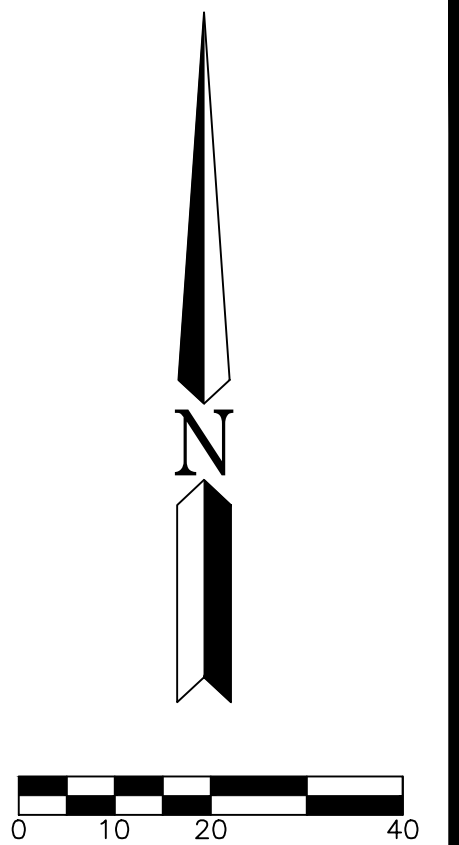
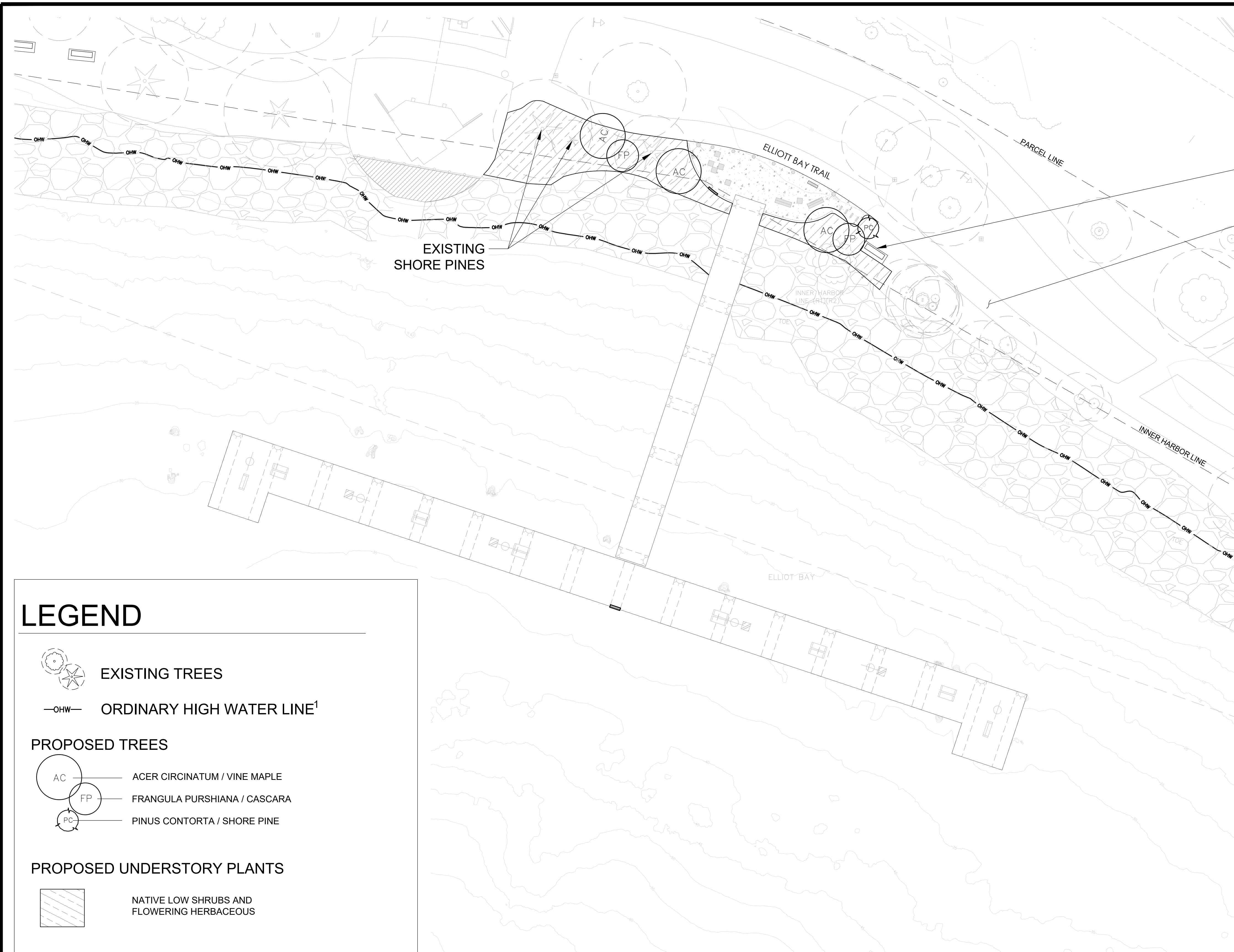
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CHECKED BY J. BRENNAN		
DRAWN BY W.SU		
DATE 10/11/2024		

DESIGNED BY T. WILCOX
CHECKED BY J. BRENNAN
DRAWN BY W.SU
DATE 10/11/2024

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
IRRIGATION PLAN

PROJECT NO.
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SHEET OF
22 27



LEGEND

- EXISTING TREES
- ORDINARY HIGH WATER LINE¹
- PROPOSED TREES**
 - ACER CIRCINATUM / VINE MAPLE
 - FRANGULA PURSHIANA / CASCARA
 - PINUS CONTORTA / SHORE PINE
- PROPOSED UNDERSTORY PLANTS**
 - NATIVE LOW SHRUBS AND FLOWERING HERBACEOUS

NOTES

1. ORDINARY HIGH WATERLINE IS AT 10.1'. LOCATION SHOWN HEREON IS APPROXIMATE, DRAWN BY JAB.
2. ONE EXISTING BENCH ON THE EAST OF THE PROPOSED PLAZA IS PROPOSED TO BE REMOVED. SEE DEMOLITION PLAN.

35% DESIGN SUBMITTAL



DISCIPLINE SHEET #
L1.3

PROJECT NO.
EBFP

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23 OF 27

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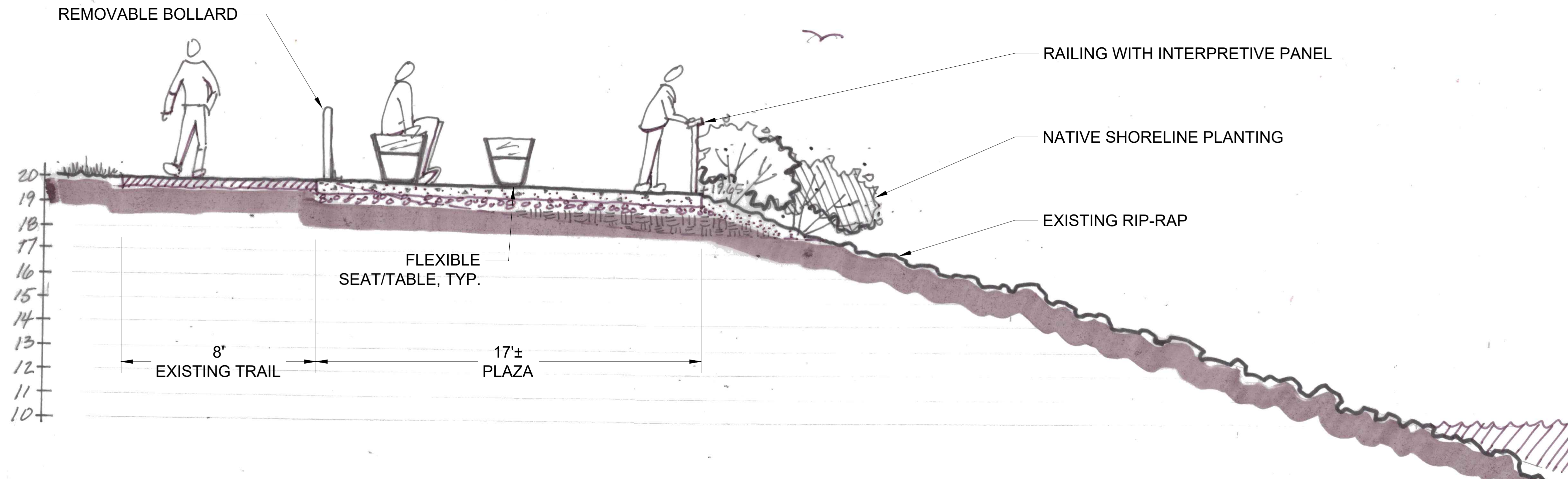
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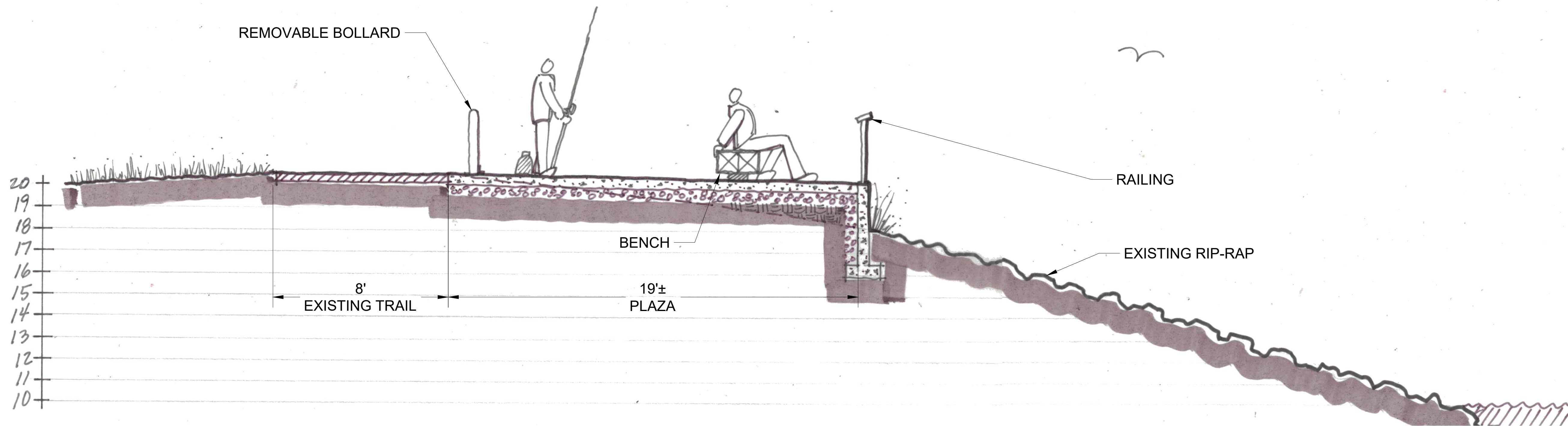
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DRAWN BY W.SU		
DATE 10/11/2024		

CHIEF ENGINEER DATE:
PROGRAM DATE:

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
PLANTING PLAN



A SECTION A-A'
SCALE: 1/4" = 1'-0"



B SECTION B-B'
SCALE: 1/4" = 1'-0"

35% DESIGN SUBMITTAL



DISCIPLINE SHEET #
L1.4

PROJECT NO.
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24 27

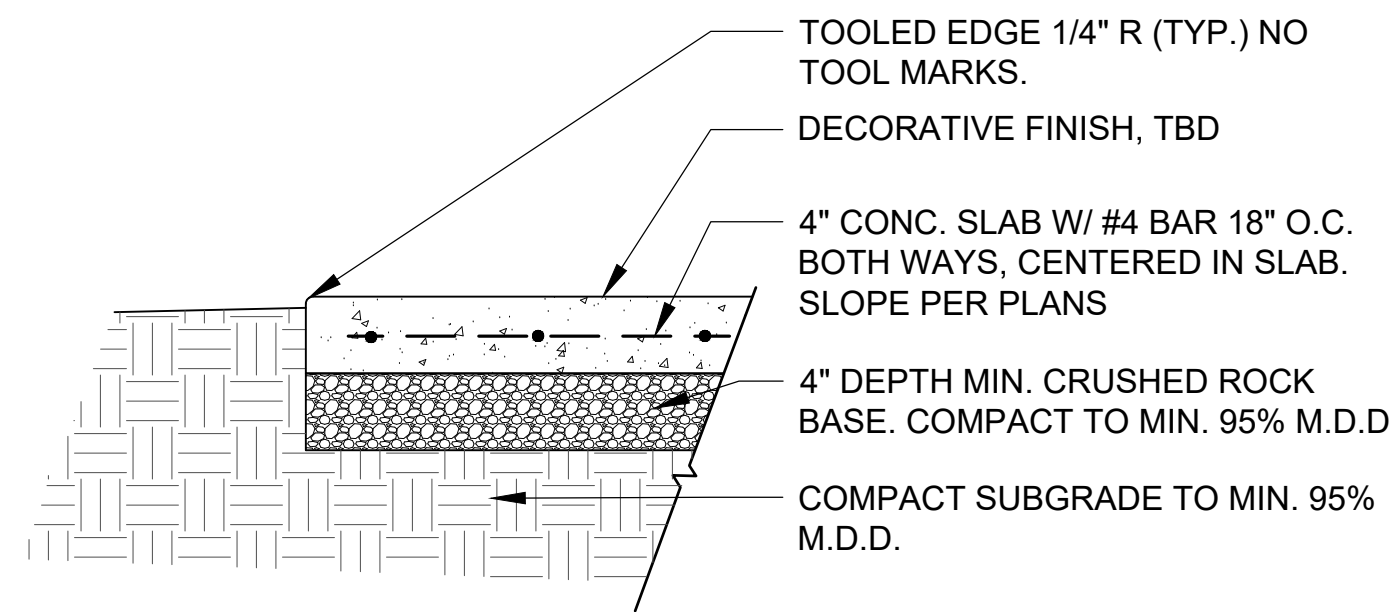
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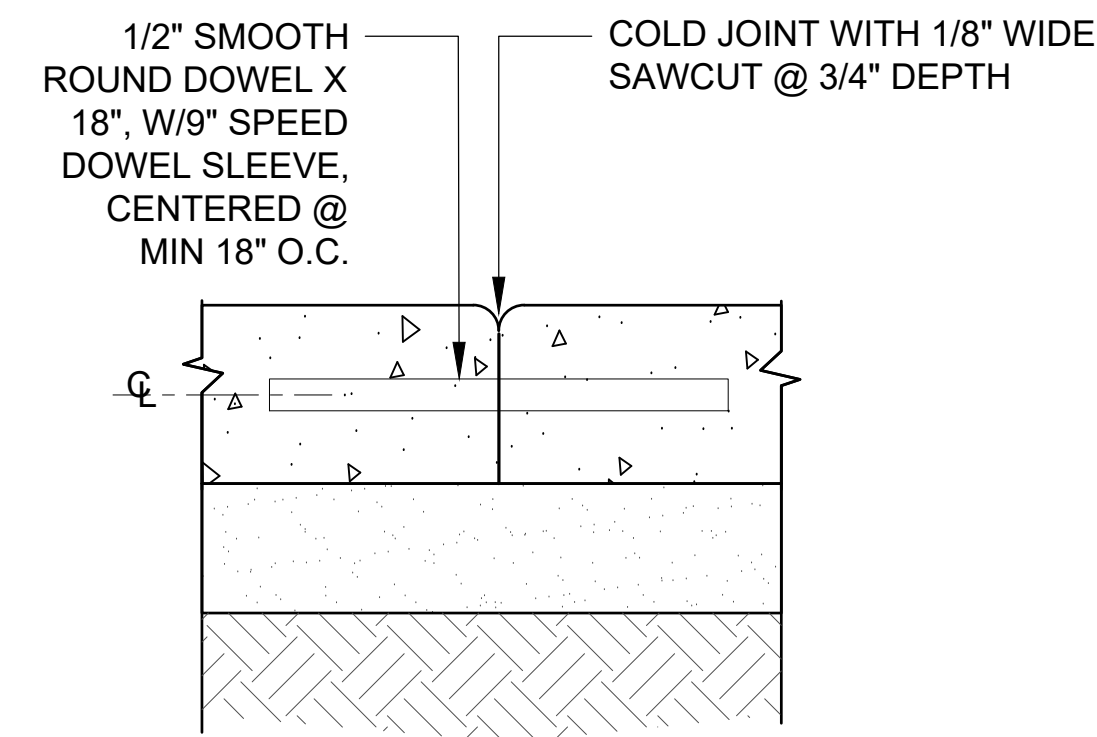
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CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
SITE SECTION



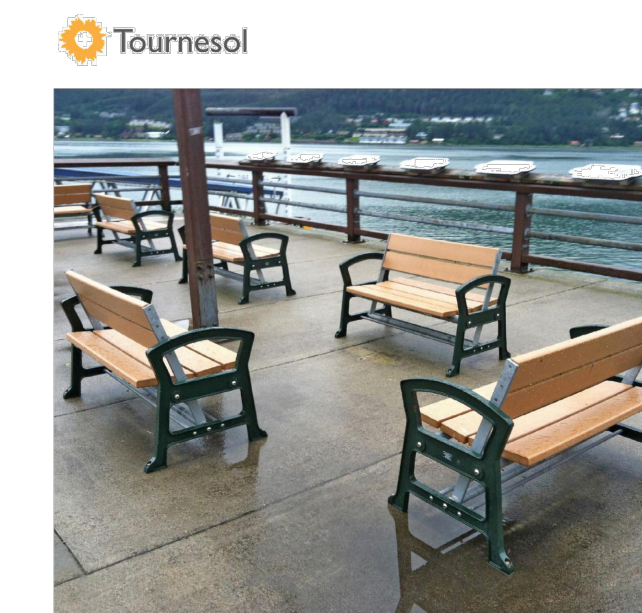
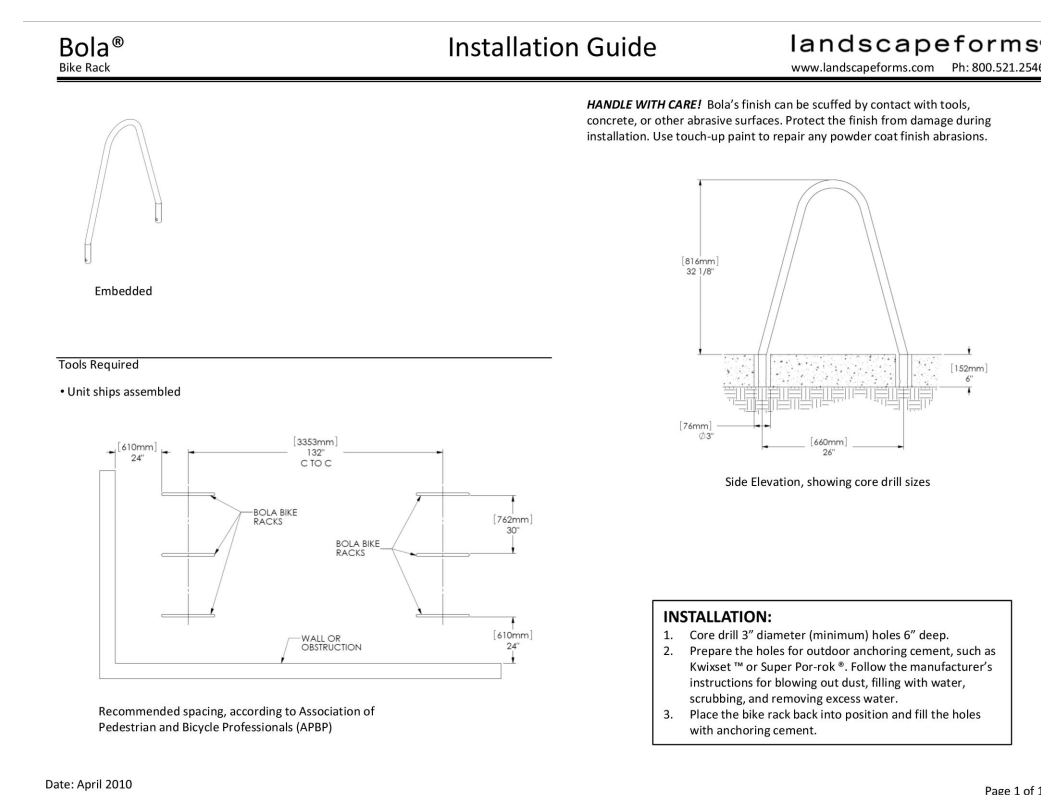
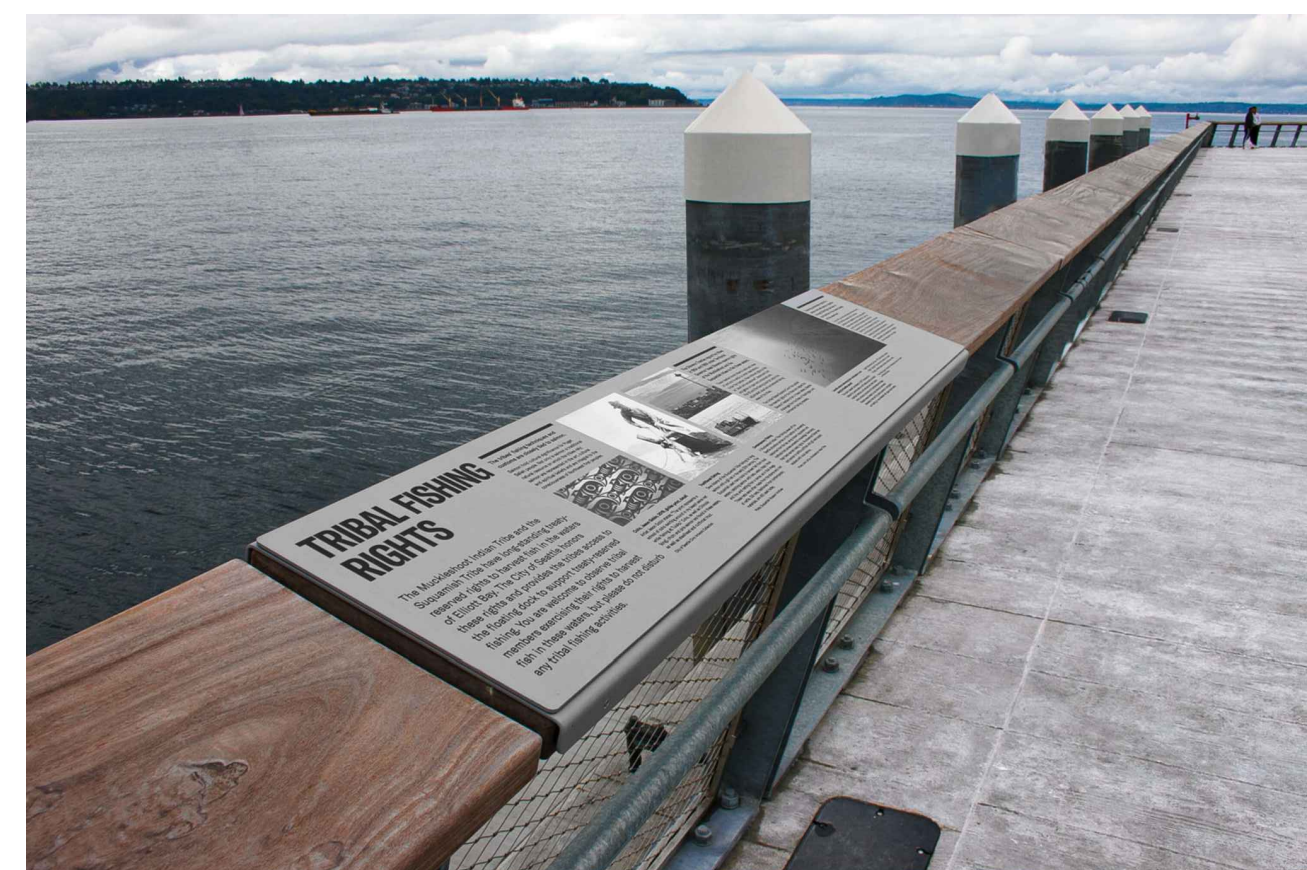
- NOTES:**
- UNLESS OTHERWISE NOTED ON GRADING PLANS, CONCRETE FINISH GRADE TO BE FLUSH WITH FINISH GRADE OF ALL ADJACENT PAVEMENT, PLAYGROUND SAFETY SURFACING, LAWN AND LANDSCAPE AREAS.
 - LOCATE CONTROL & EXPANSION JOINTS PER LAYOUT PLANS. IN ADDITION, PROVIDE 3/16" EXPANSION JOINT AT ALL DRAINAGE STRUCTURES AND AT THE INTERFACE WITH ALL VERTICAL SURFACES EXCEPT ROCKS AND BOULDERS.
 - OWNER'S REPRESENTATIVE SHALL APPROVE LAYOUT OF ALL FORMS PRIOR TO POURING CONCRETE. USE FLEXIBLE FORMS FOR ALL CURVED PAVEMENT.
 - ALL PAVED AREAS SHALL HAVE A MAXIMUM CROSS SLOPE OF 1.5%.



A CONCRETE PAVEMENT
SCALE : NTS

B CONCRETE JOINT
SCALE : NTS

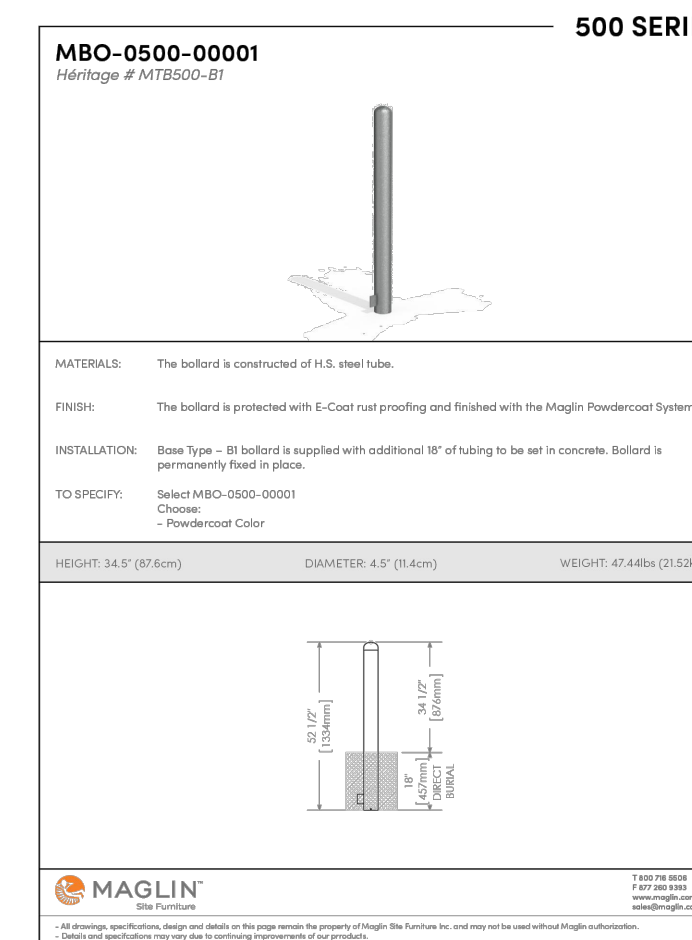
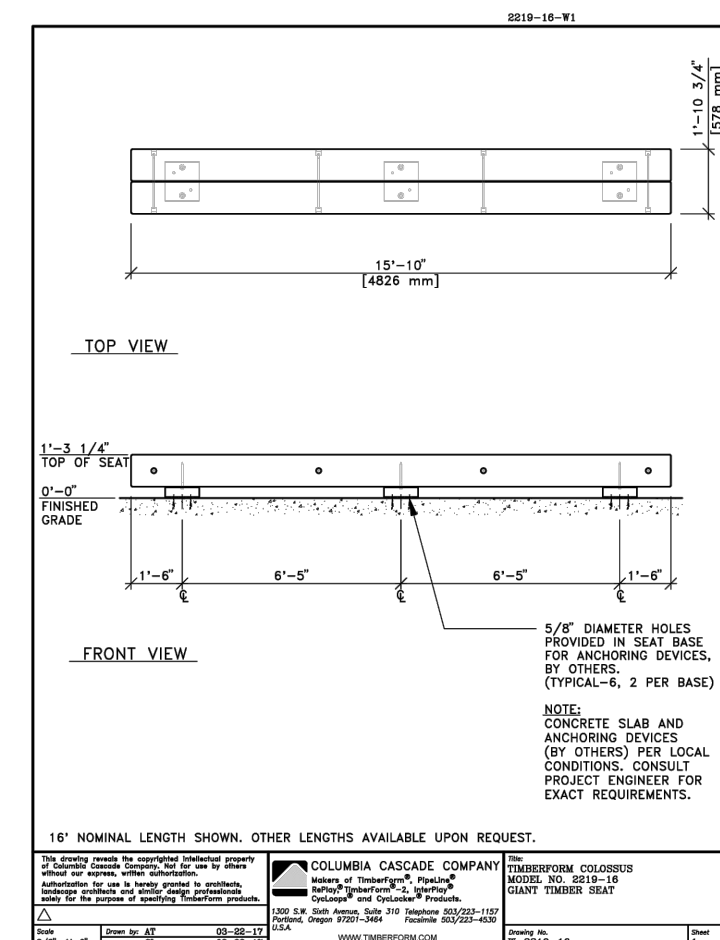
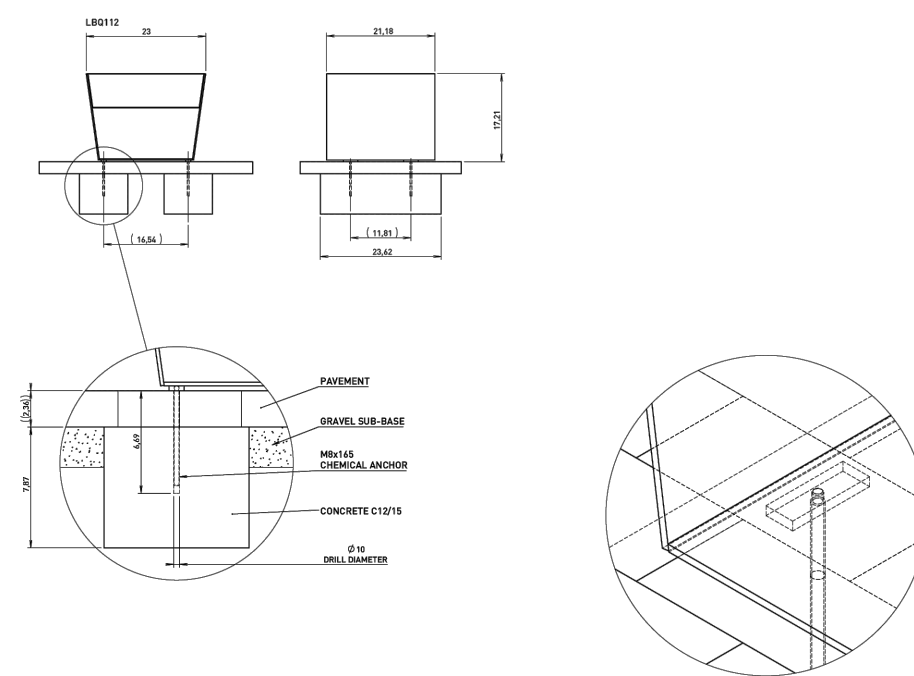
C DESIGN REFERENCE - ENTRY KIOSK
SCALE : NTS



D DESIGN REFERENCE - INTERPRETIVE SIGNAGE ON RAILINGS
SCALE : NTS

E BIKE RACK
SCALE : NTS

F BENCH - PIER
SCALE : NTS



NOTES

SITE FURNISHING SELECTIONS ARE PRELIMINARY, AND WILL BE REVISED BASED ON WDFW REVIEW COMMENTS.

G FLEXIBLE SEATS AND TABLES
SCALE : NTS

H BENCH - UPLAND PLAZA
SCALE : NTS

I REMOVABLE BOLLARD
SCALE : NTS

35% DESIGN SUBMITTAL



DISCIPLINE SHEET #
L1.5

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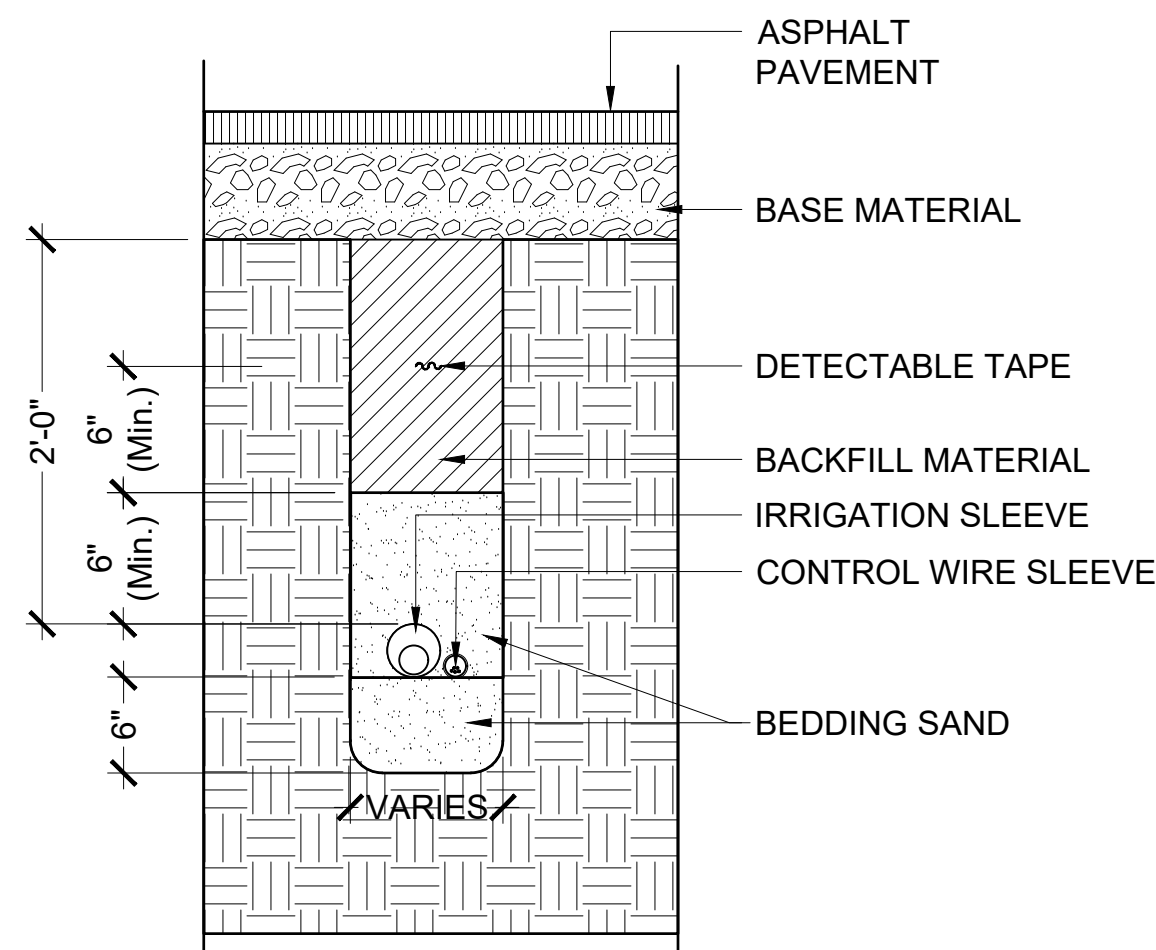
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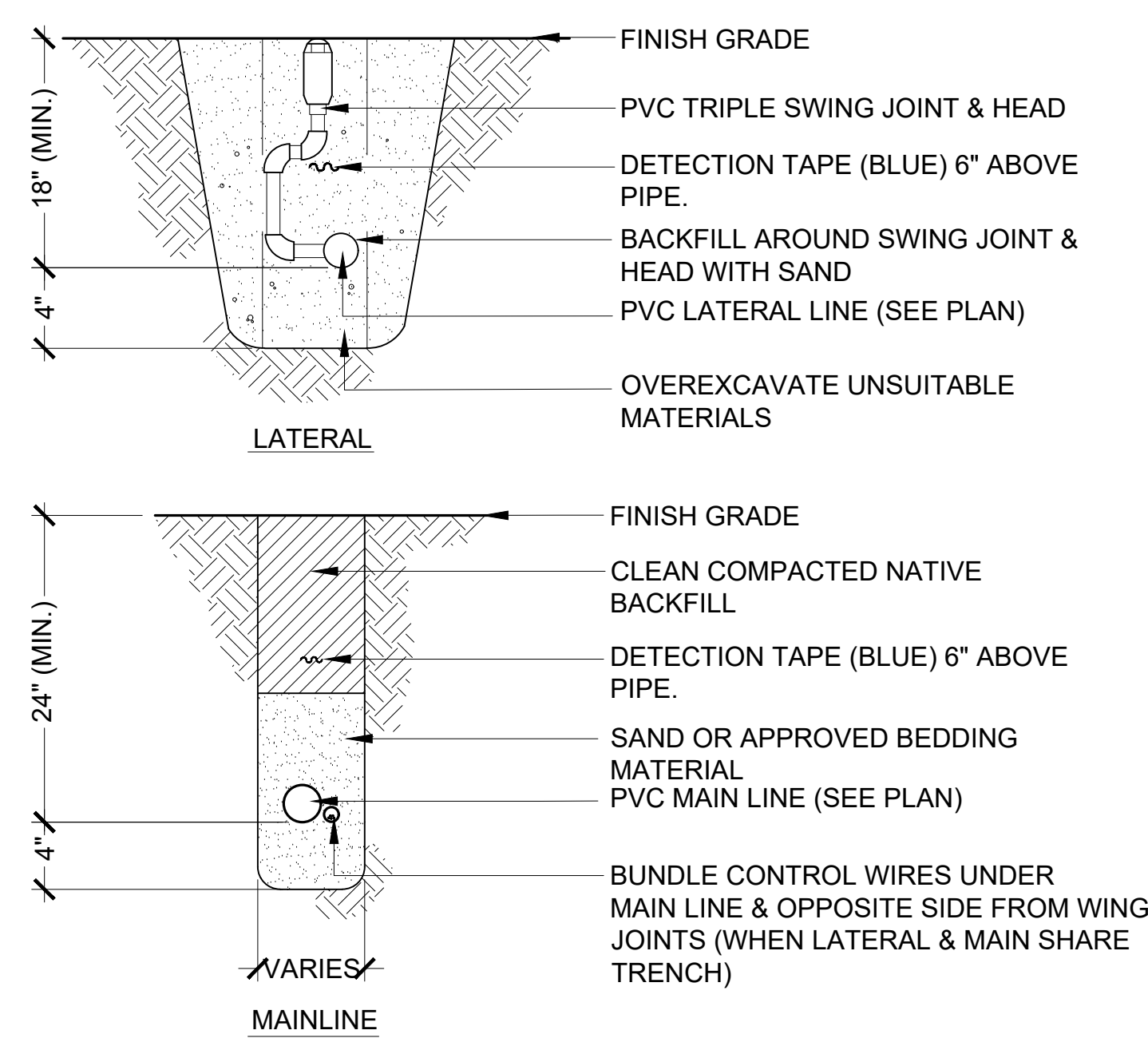
CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
HARDSCAPE DETAILS

PROJECT NO.
EBFP

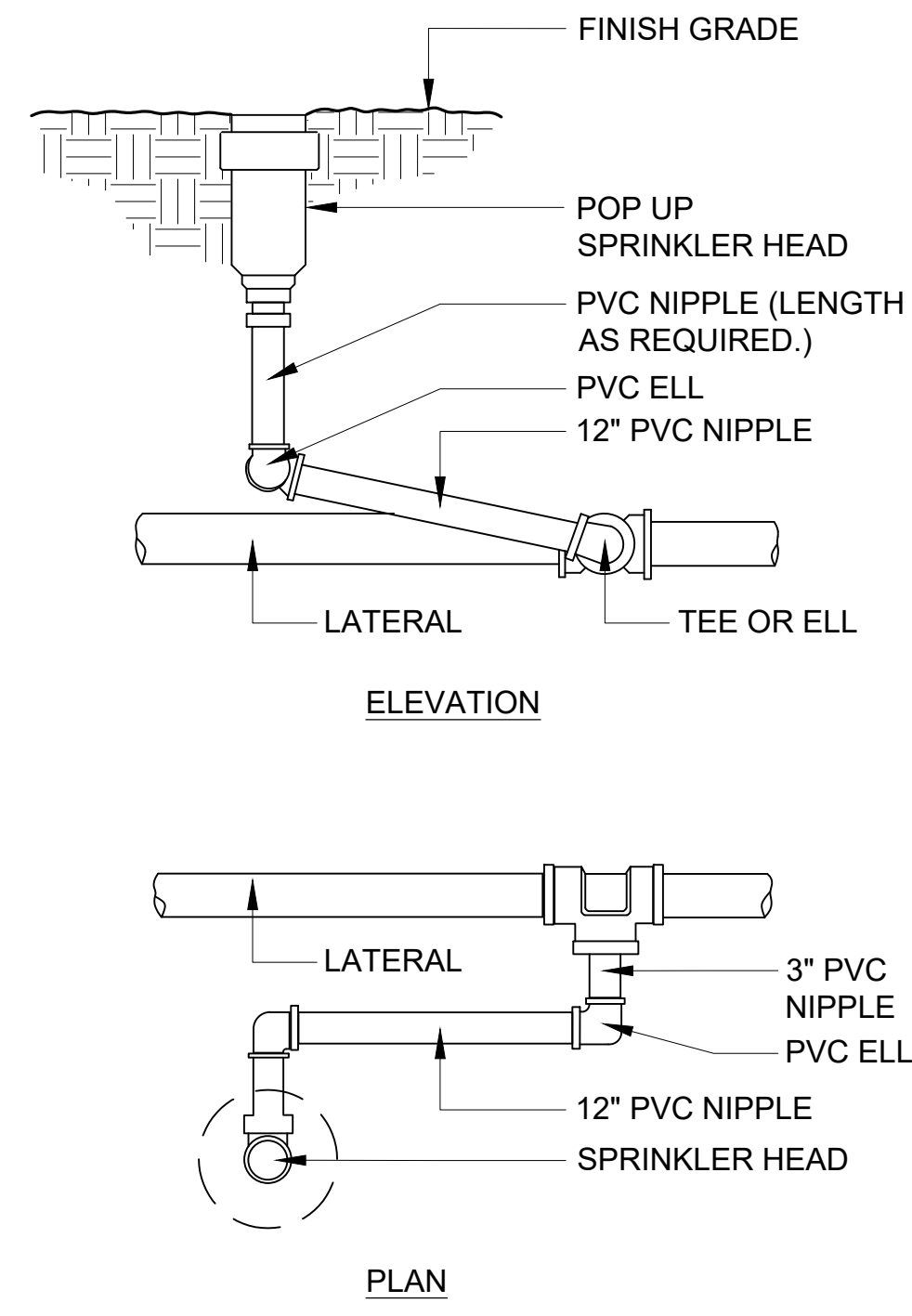
SHEET OF
25 27



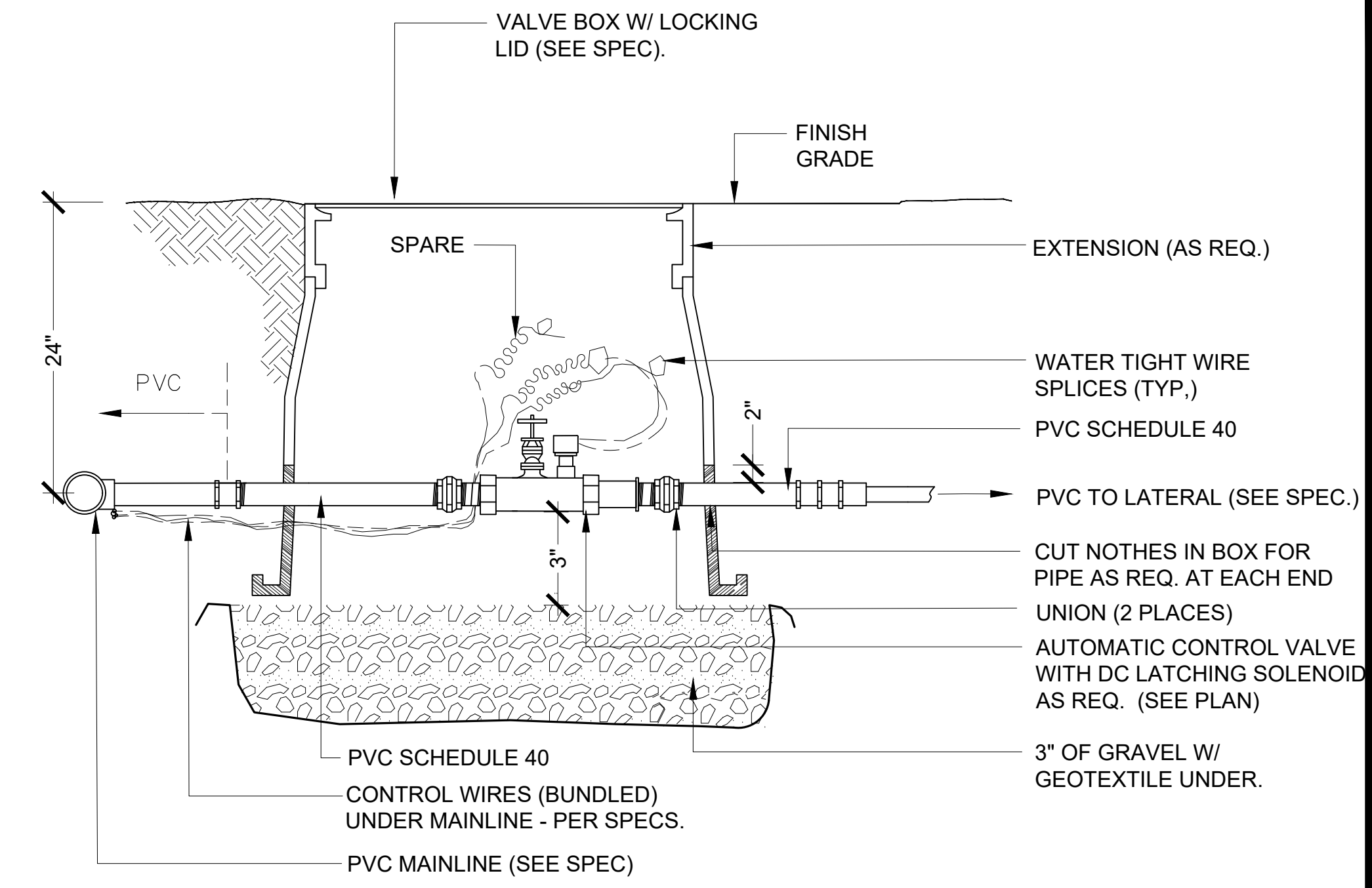
A TRENCHING UNDER PAVEMENT
SCALE : 1=1'-0"



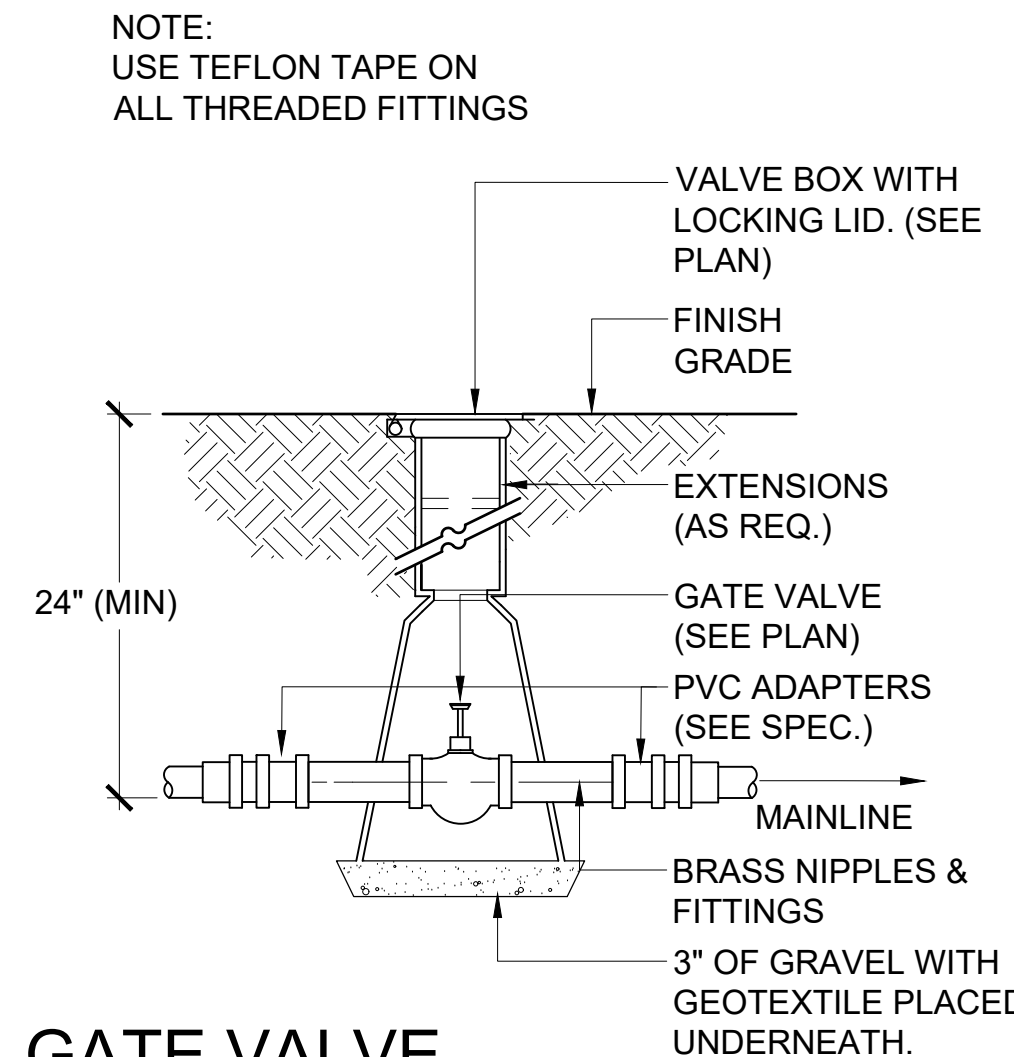
B TRENCHING
SCALE : 1=1'-0"



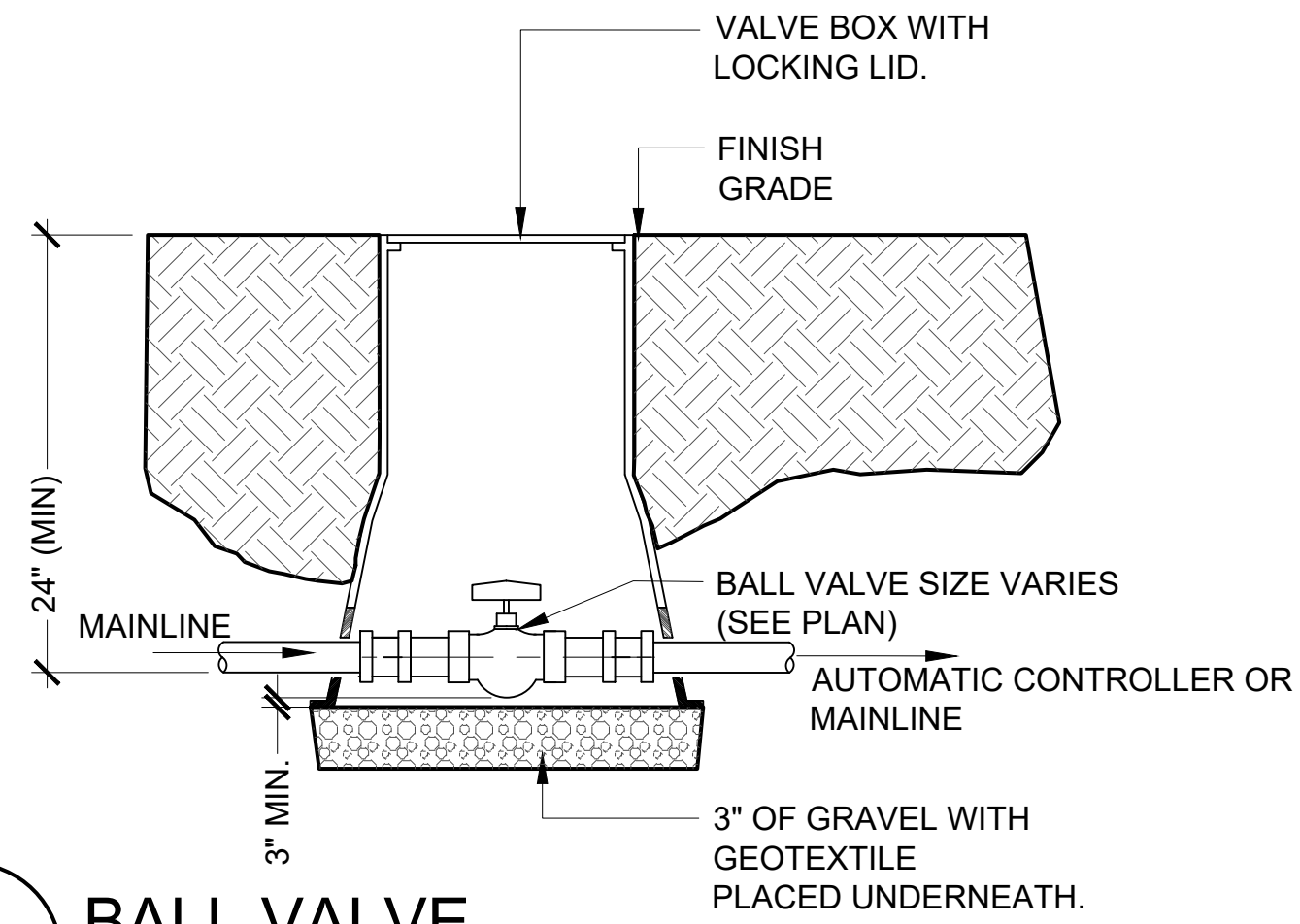
C ADJUSTABLE RISER
SCALE : 1=1'-0"



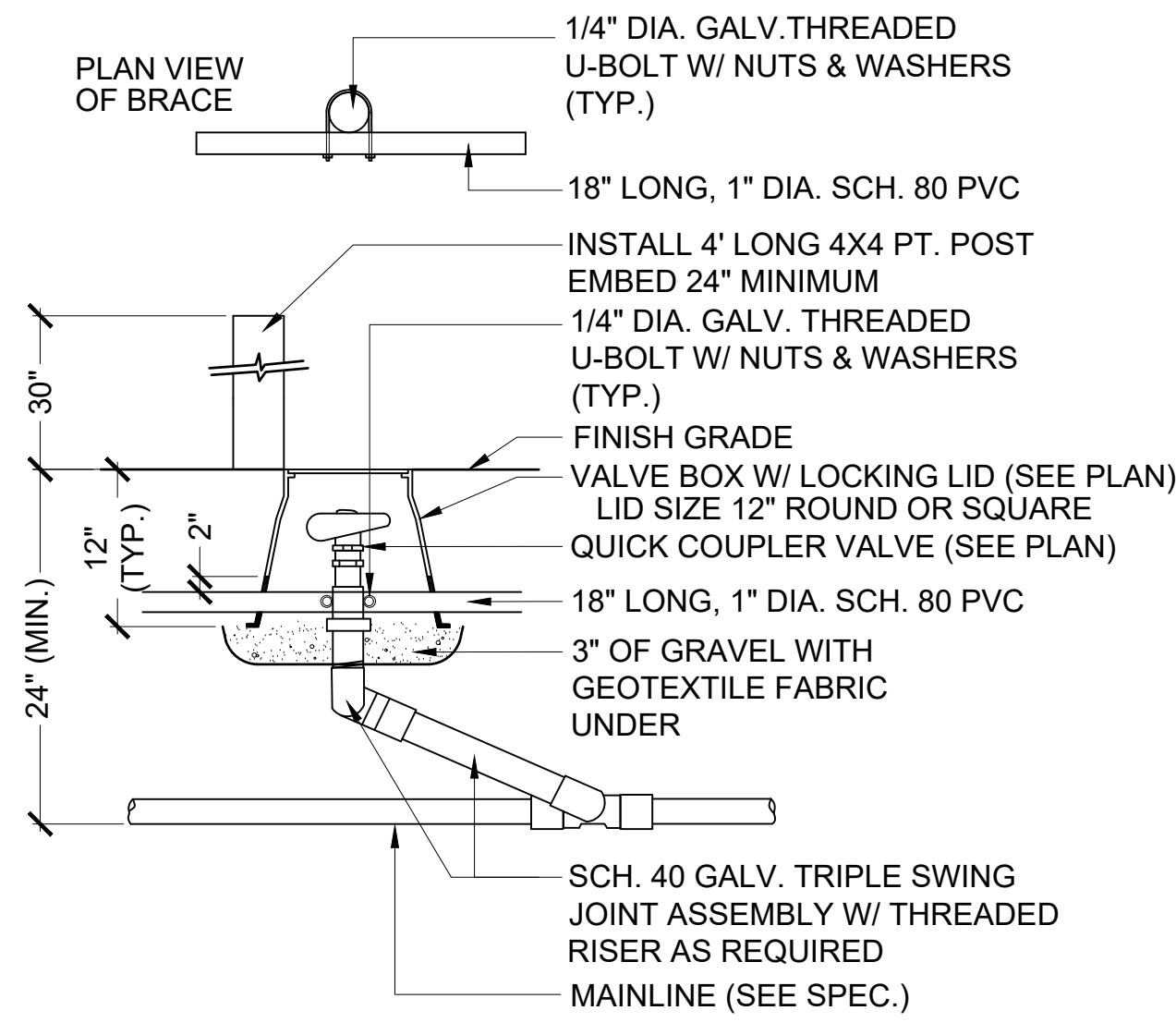
D AUTOMATIC CONTROL VALVE
SCALE : 1=1'-0"



E GATE VALVE
SCALE : 1=1'-0"



F BALL VALVE
SCALE : 1=1'-0"



F QUICK COUPLER VALVE
SCALE : 1=1'-0"

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WASHINGTON DEPARTMENT OF
FISH & WILDLIFE

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DESIGNED BY T. WILCOX
CHECKED BY J. BRENNAN
DRAWN BY W.SU
DATE 10/11/2024

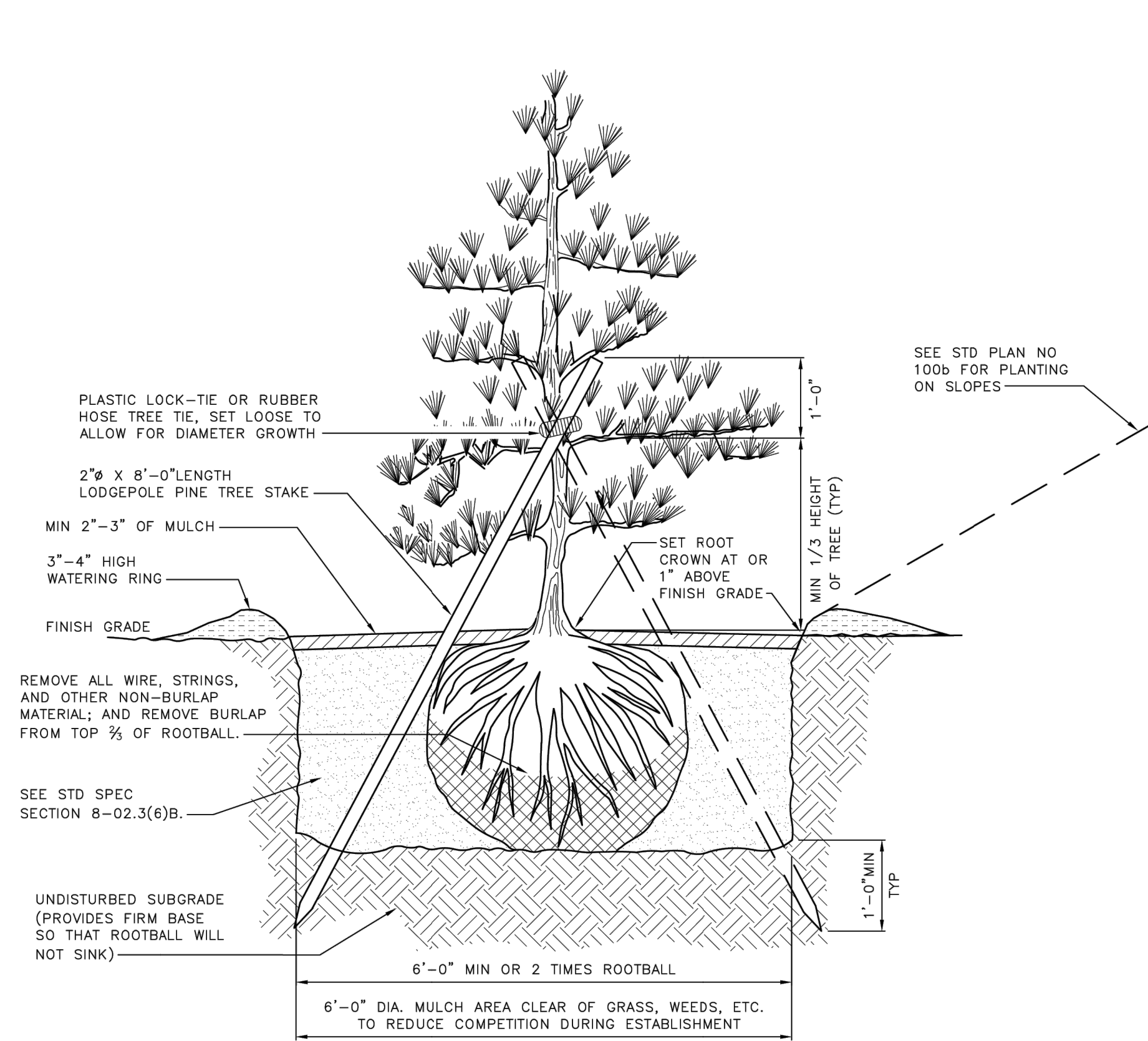
35% DESIGN SUBMITTAL

j.a. brennan
ASSOCIATES PLLC
Landscape, Architect & Planner

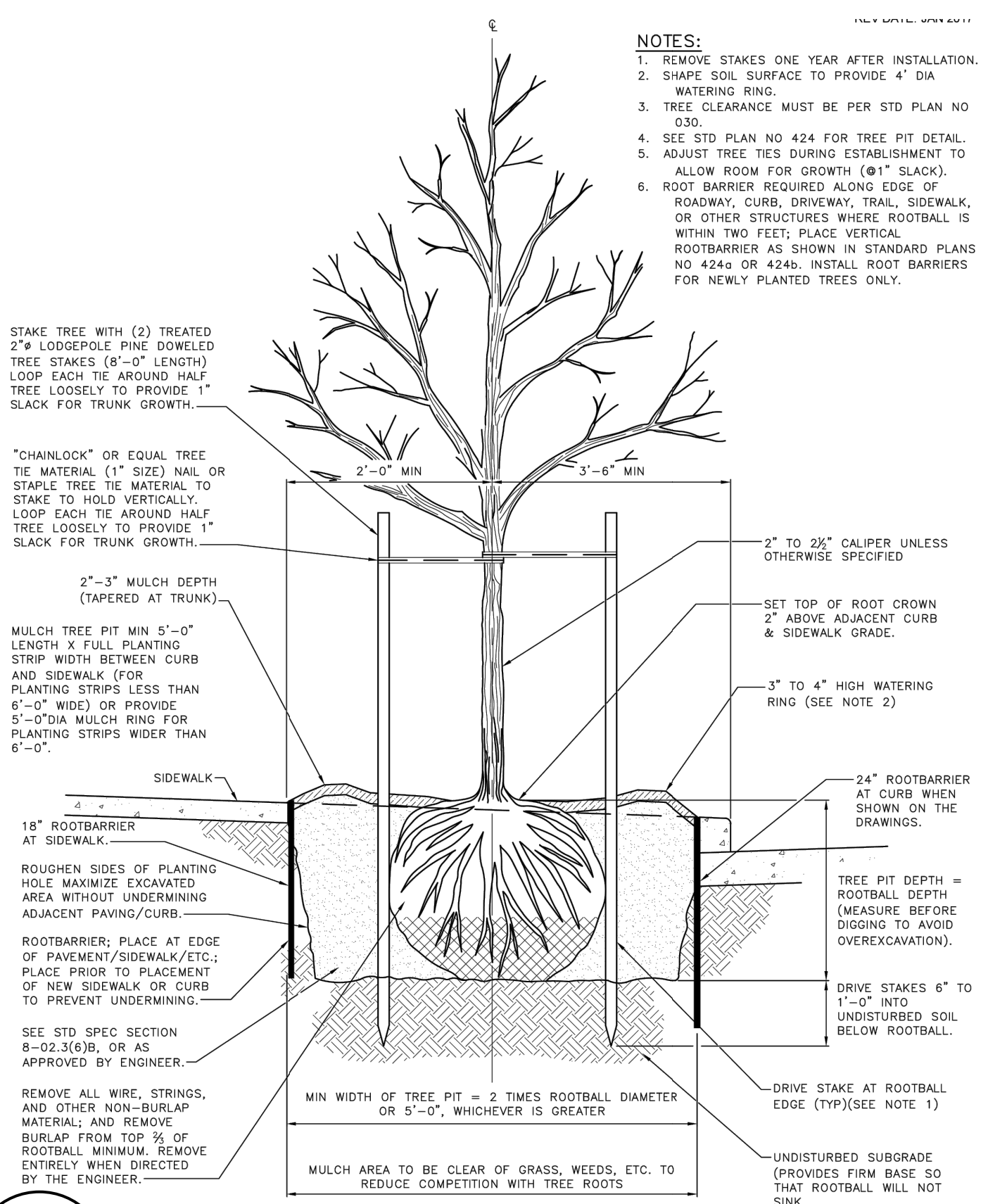
CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
IRRIGATION DETAILS

DISCIPLINE SHEET #
L1.6
PROJECT NO.
EBFP
SHEET 26 OF 27

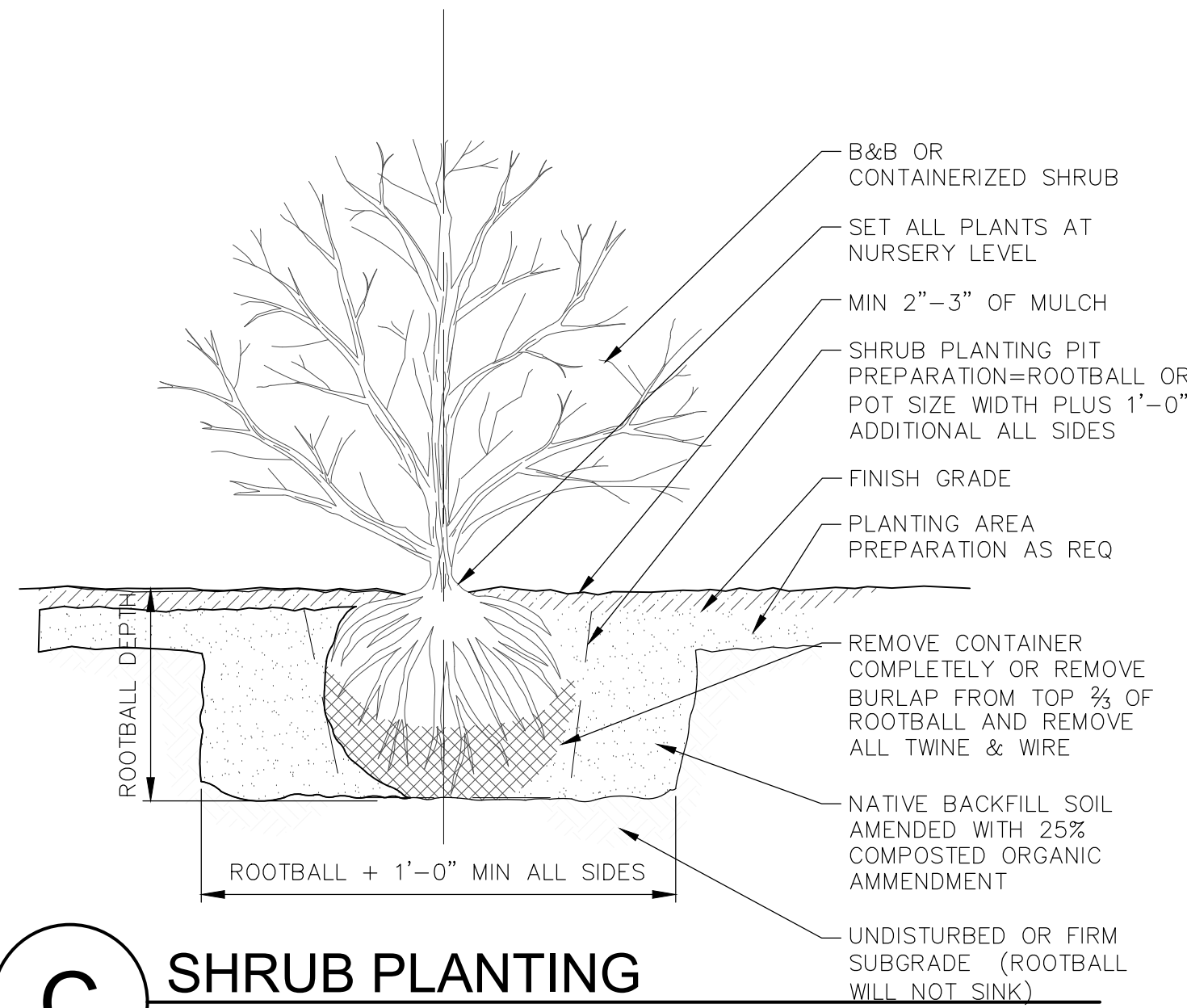
A CONIFEROUS TREE PLANTING
SCALE : NTS



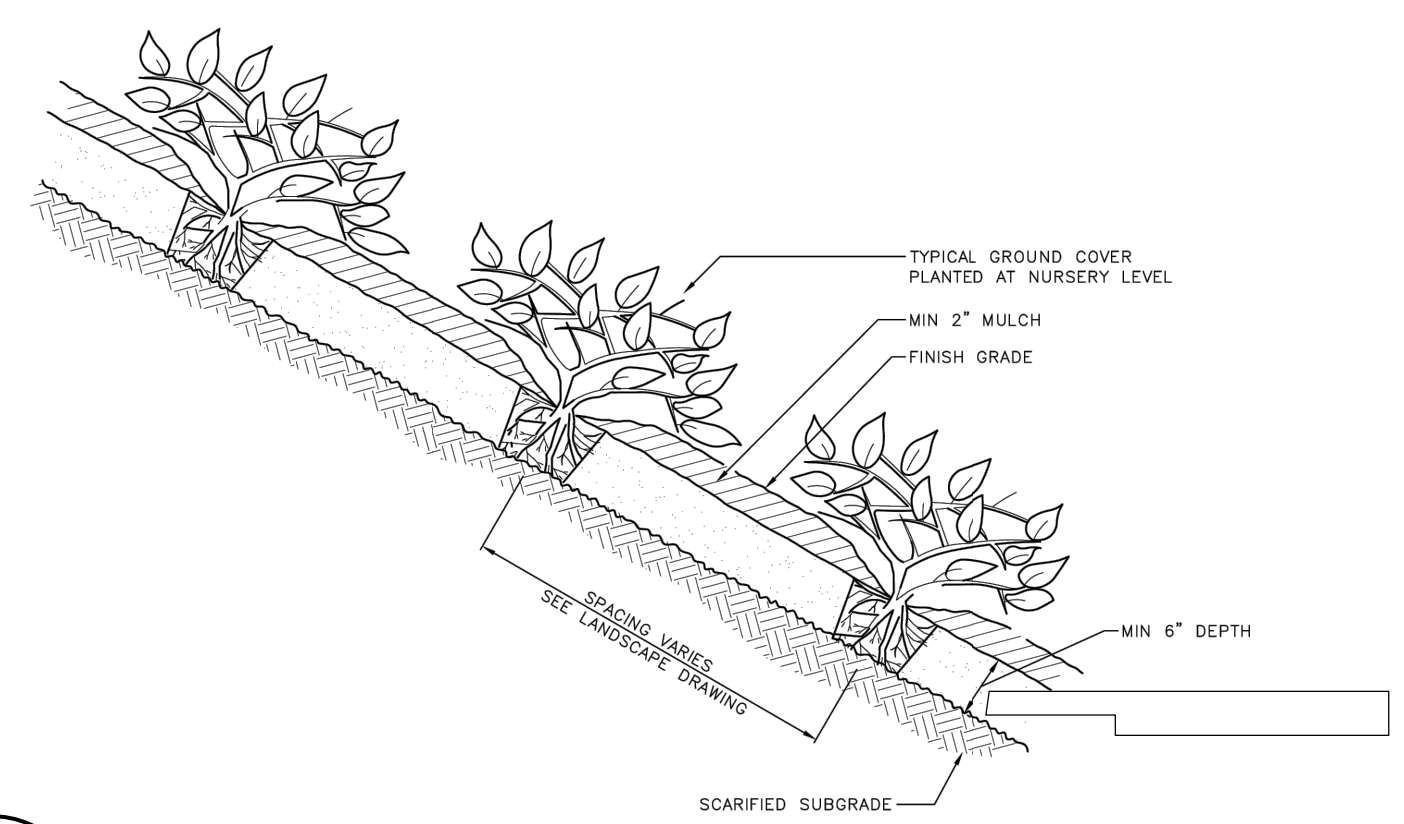
B DECIDUOUS TREE PLANTING
SCALE : NTS



C SHRUB PLANTING
SCALE : NTS



D GROUNDCOVER PLANTING
SCALE : NTS



- NOTES:**
1. REMOVE STAKES ONE YEAR AFTER INSTALLATION.
 2. SHAPE SOIL SURFACE TO PROVIDE 4" DIA WATERING RING.
 3. TREE CLEARANCE MUST BE PER STD PLAN NO 030.
 4. SEE STD PLAN NO 424 FOR TREE PIT DETAIL.
 5. ADJUST TREE TIES DURING ESTABLISHMENT TO ALLOW ROOM FOR GROWTH (Ø1" SLACK).
 6. ROOT BARRIER REQUIRED ALONG EDGE OF ROADWAY, CURB, DRIVEWAY, TRAIL, SIDEWALK, OR OTHER STRUCTURES WHERE ROOTBALL IS WITHIN TWO FEET; PLACE VERTICAL ROOTBARRIER AS SHOWN IN STANDARD PLANS NO 424a OR 424b; INSTALL ROOT BARRIERS FOR NEWLY PLANTED TREES ONLY.

35% DESIGN SUBMITTAL



DISCIPLINE SHEET #
L1.7

CENTENNIAL PARK
ELLIOTT BAY FISHING PIER
PLANTING DETAILS

PROJECT NO.
EBFP

SHEET OF
27 27

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