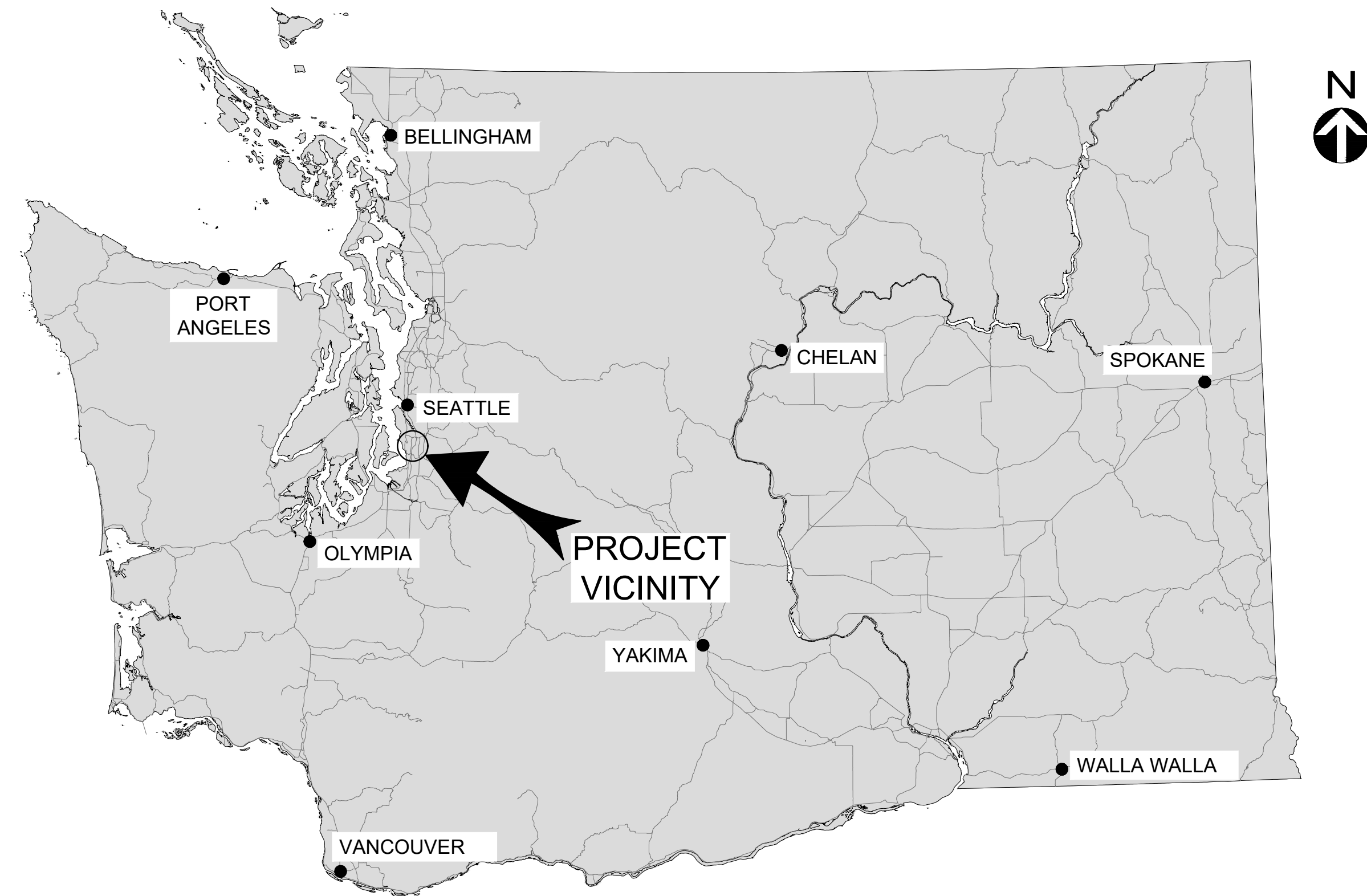


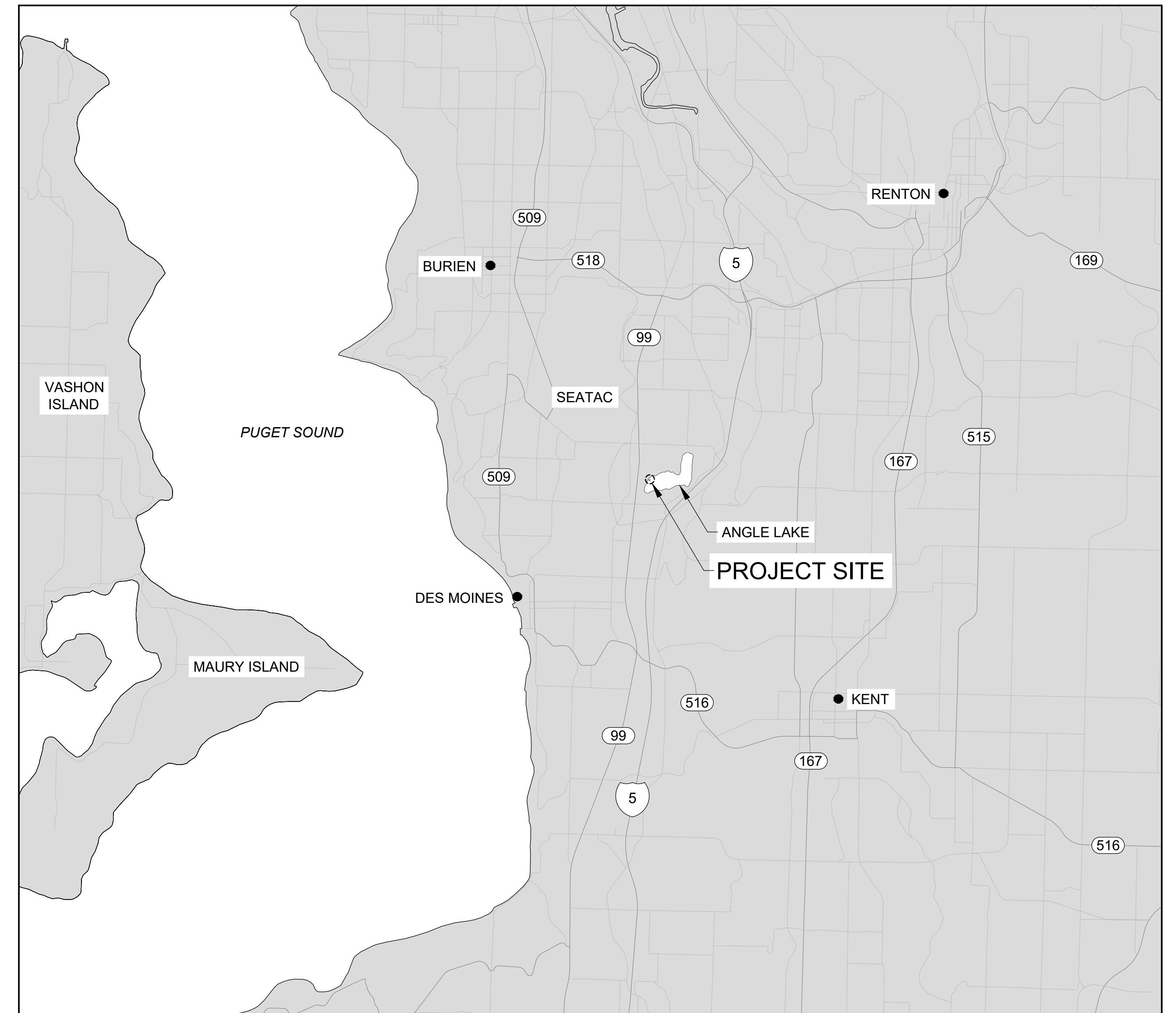
ANGLE LAKE PARK WATERFRONT IMPROVEMENTS

CITY OF SEATAC

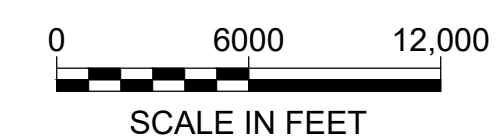


WASHINGTON KEY MAP

SHEET INDEX					
SHEET NO.	SHEET NO.	TITLE	SHEET NO.	SHEET NO.	TITLE
1	G0.00	COVER SHEET	18	SW4.01	BOAT LAUNCH PLAN AND PROFILE
2	G0.01	GENERAL NOTES 1	19	SW4.02	BOAT LAUNCH SECTIONS
3	G0.02	GENERAL NOTES 2	20	SW4.03	FISHING AREA PLAN AND SECTIONS
4	G1.01	EXISTING SITE PLAN	21	SW4.04	SWIM ACCESS PLANS AND SECTIONS 1
5	G9.01	EXISTING SITE PHOTOS 1	22	SW4.05	SWIM ACCESS PLANS AND SECTIONS 2
6	G9.02	EXISTING SITE PHOTOS 2	23	SW5.01	BOAT RAMP DETAILS
7	D1.01	OVERALL DEMOLITION PLAN	24	SW5.02	BOAT RAMP AND ADA RAMP FRAME DETAILS
8	D2.01	DEMOLITON ELEVATIONS	25	SW5.03	BOAT RAMP PRECAST PANEL DETAILS
9	D4.01	DEMOLITION DETAILS	26	SW5.04	ABUTMENT DETAILS
10	SW1.01	PROPOSED SITE PLAN	27	SW5.05	FLOAT DETAILS
11	SW1.02	BOAT LAUNCH AREA	28	SW5.06	CONCRETE ADA RAMP DETAILS
12	SW1.03	FISHING PIER AREA	29	SW5.07	SWIM ACCESS DETAILS
13	SW1.04	SWIM ACCESS AREA	30	SW5.08	KAYAK FLOAT DETAILS
14	SW2.01	BOAT LAUNCH ELEVATIONS	31	SW5.09	LIFEGUARD FLOAT
15	SW2.02	FISHING PIER ELEVATIONS	32	SW5.10	PILE CAP DETAILS
16	SW2.03	SWIM ACCESS ELEVATIONS 1	33	SW5.11	FISHING PIER DETAILS
17	SW2.04	SWIM ACCESS ELEVATIONS 2			



PROJECT SITE LOCATION



FOR BID

 MOTT MACDONALD 1601 5th Avenue Suite 800 Seattle, Washington 98101 T +1 (425) 778 6243 www.mottmac.com	 CITY OF SEATTLE							 <i>Douglas Edgcomb</i> 9/4/26	Designed	L. Colby		Eng check	E. Edgecomb		Title Angle Lake Park Waterfront Improvements COVER SHEET
		Drawn	T. Morrison		Coordination	T. Morrison									
		Dwg check	S. McMahon		Approved	E. Edgecomb									
		Scale at ANSI D As Shown		Status	Rev		Security								
		Project Number		B/O	Total	Drawing Number									
		507106437		1	33	G0.00									
0	9/4/26	TM	FOR BID	LC	EE										
Rev	Date	Drawn	Description	Ch'k'd	App'd										

SPECIAL INSPECTION

1. THE CRITICAL ELEMENTS REQUIRING CONTRACTOR-PROVIDED SPECIAL INSPECTION PER IBC CHAPTER 17 ARE AS FOLLOWS:

A. CAST-IN-PLACE CONCRETE, PRECAST CONCRETE

1. REINFORCEMENT AND FORMWORK, PERIODIC.

2. CONCRETE PLACEMENT, PROTECTION, AND CURING, PERIODIC.

3. CONCRETE ANCHORS AND EMBEDDED ITEMS, PERIODIC.

B. STRUCTURAL STEEL

1. FULL PENETRATION WELDS, CONTINUOUS.

2. BOLTING INSTALLATION, PERIODIC.

C. PILE DRIVING AND TESTING

1. PILE INSTALLATION, PERIODIC.

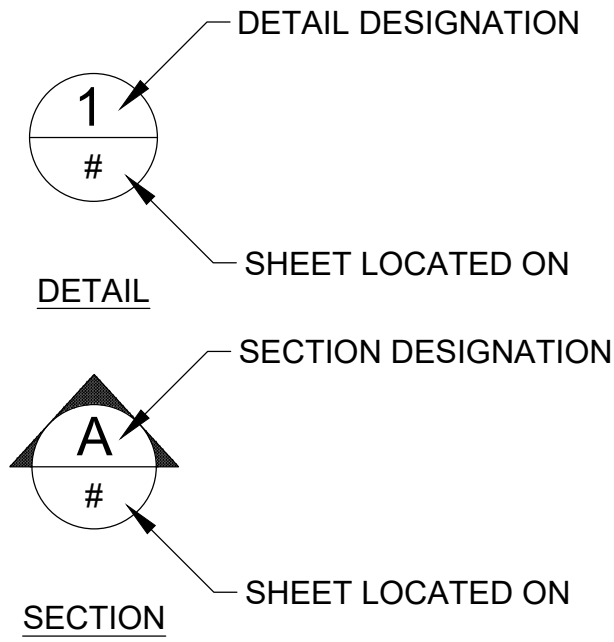
PILE DRIVING

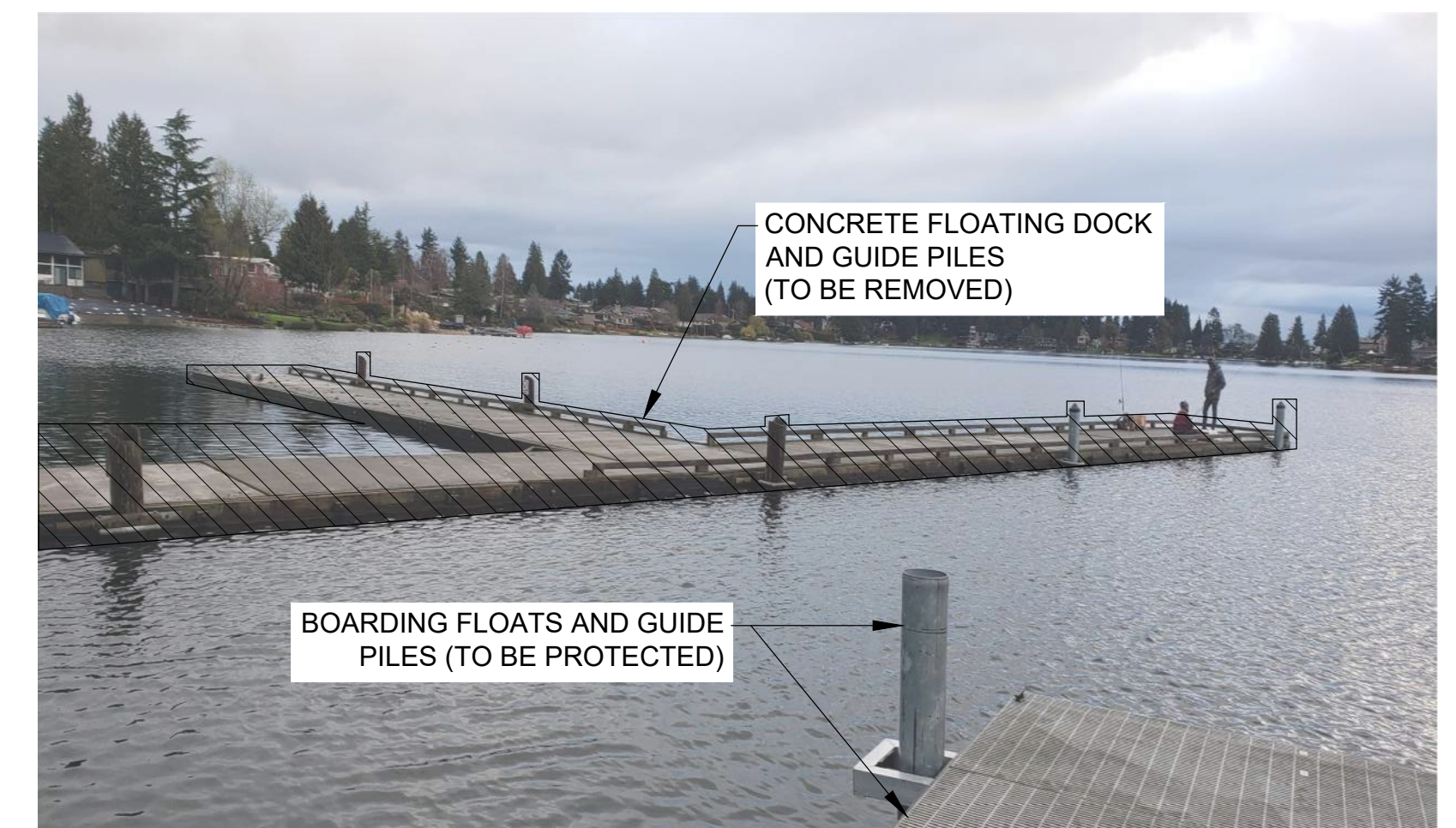
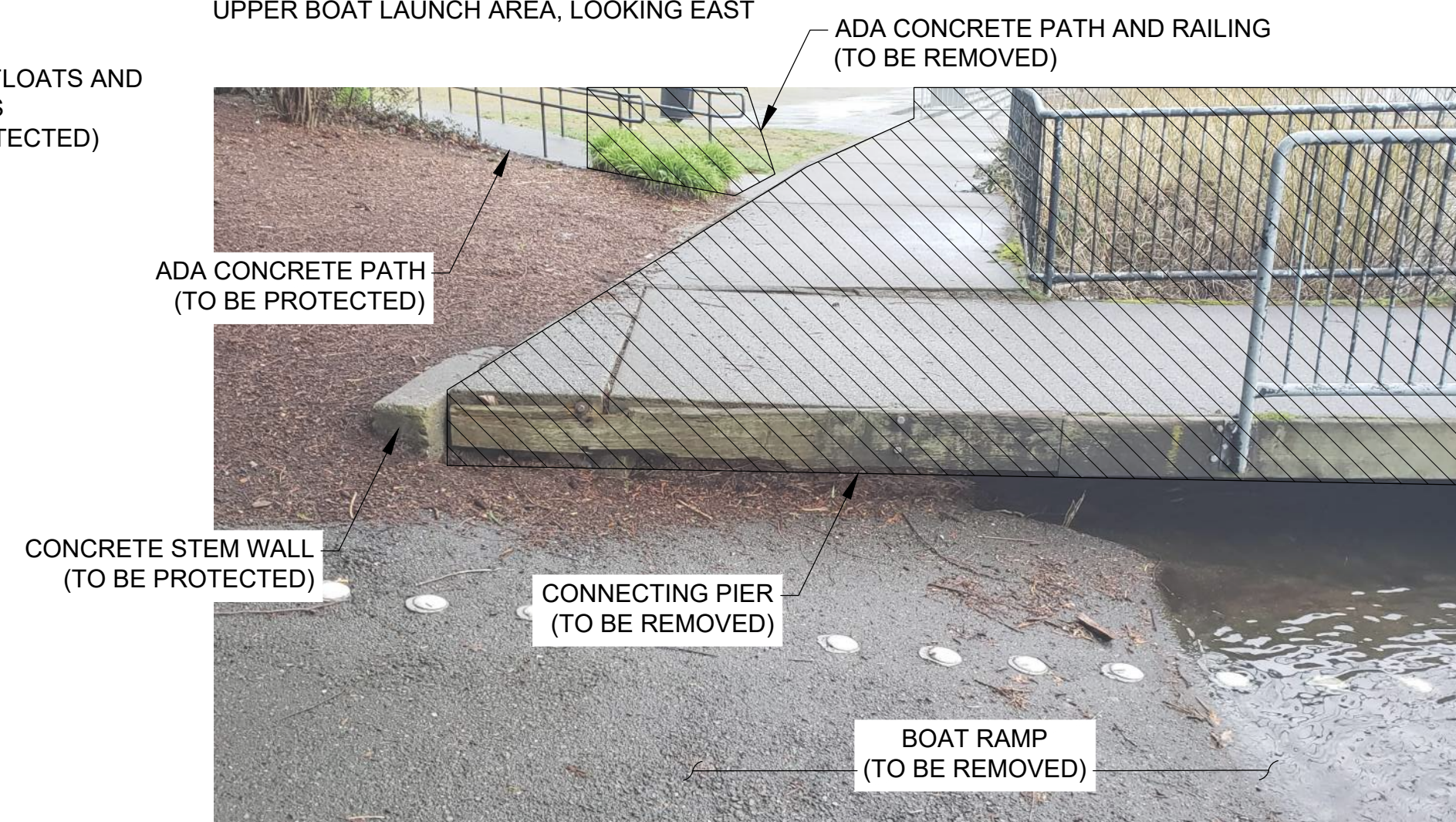
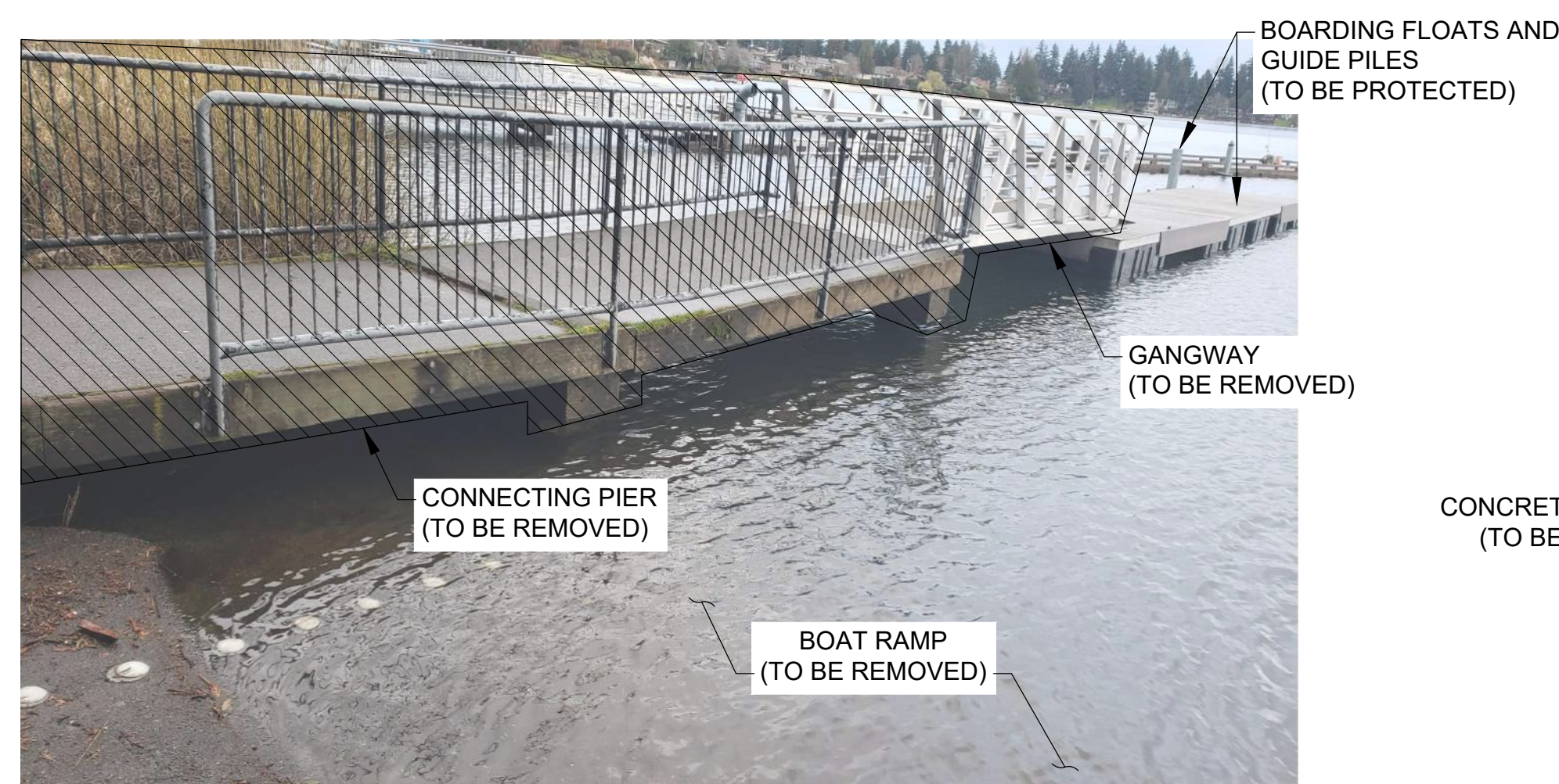
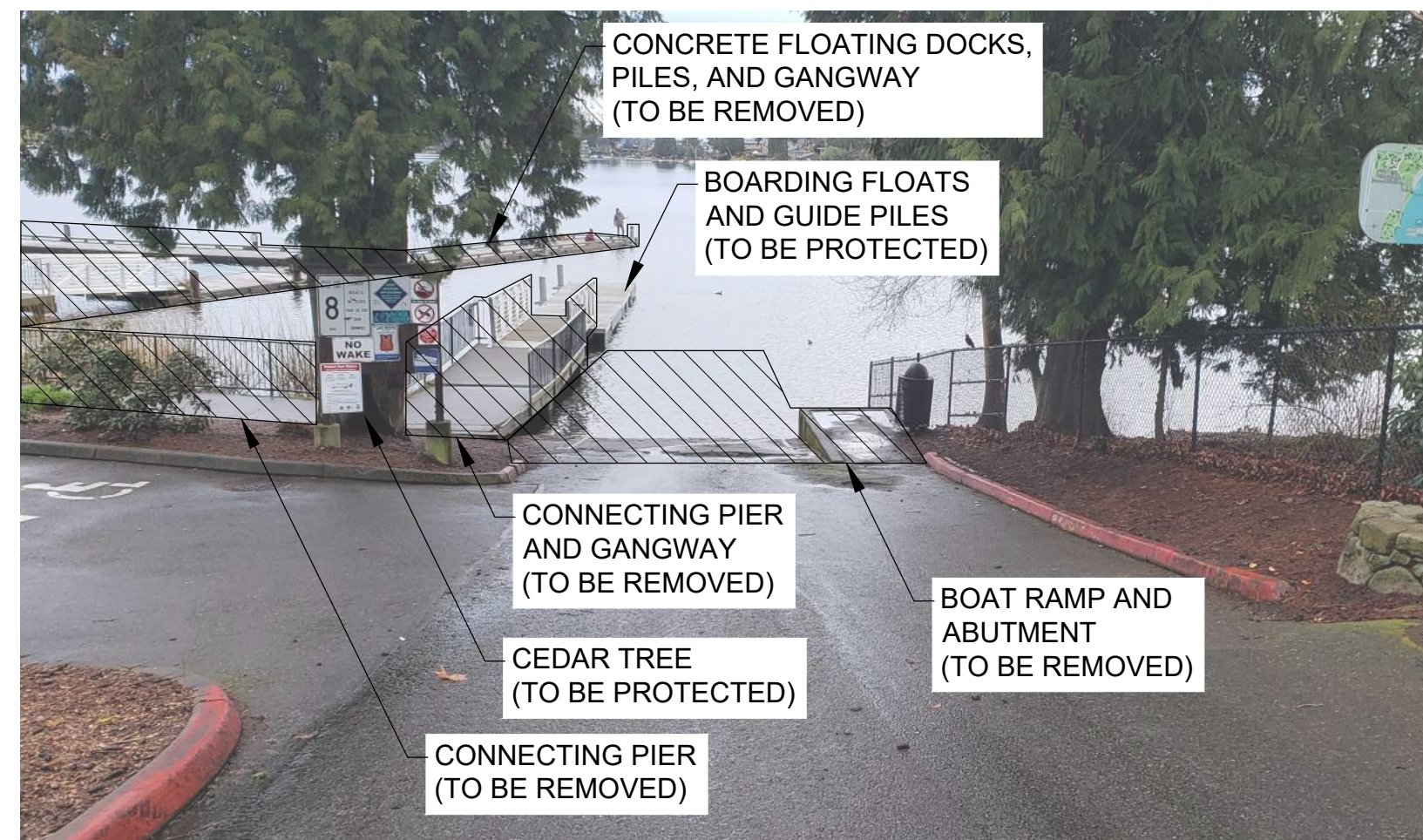
1. THE CONTRACTOR SHALL MOBILIZE ALL REQUIRED EQUIPMENT FOR PILE INSTALLATION WORK INCLUDING A VIBRATORY HAMMER.
2. UTILIZE A TEMPLATE OR DRIVING FRAME TO MAINTAIN PROPER ALIGNMENT OF PILE DURING INSTALLATION. PILES SHALL BE INSTALLED TO ACHIEVE THE MINIMUM TIP ELEVATIONS AND CAPACITIES SHOWN ON THE DRAWINGS. SELECT AN APPROPRIATE VIBRATORY HAMMER TYPE AND SIZE, AS REQUIRED TO ACHIEVE THE PILE TIP DEPTHS AND REQUIRED LOAD CAPACITIES WITHOUT DAMAGING THE PILING, IN COMPLIANCE WITH THE RELEVANT PERMIT AND PROJECT DOCUMENTS. SUBMIT PILE LOGS WITHIN 24 HOURS OF EACH PILE INSTALLATION TO THE OWNER. MAINTAIN HAMMERS IN PROPER ALIGNMENT DURING INSTALLATION OPERATIONS BY USE OF LEADS OR GUIDES ATTACHED TO THE HAMMER. REMOVE AND REPLACE PILES DAMAGED DURING INSTALLATION AT THE CONTRACTOR'S EXPENSE.
3. DETERMINE FINAL PILE LOCATIONS TO CORRESPOND WITH THE LOCATIONS OF PILE GUIDES ON THE FLOATS.
4. DO NOT DEMOBILIZE PILE INSTALLATION EQUIPMENT PRIOR TO OWNER AND ENGINEER ACCEPTANCE OF AS-BUILT PILE LOCATIONS AND PLUMBNESS. REMOBILIZATION DUE TO NON-CONFORMANCE IN PILE INSTALLATION WILL BE AT THE CONTRACTOR'S EXPENSE.
5. NOTIFY OWNER A MINIMUM OF FOUR WEEKS PRIOR TO THE START OF PILE INSTALLATION.

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE
ACBM	ARTICULATED CONCRETE BLOCK MAT
ADA	AMERICANS WITH DISABILITIES ACT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASTM	ASTM INTERNATIONAL
AWS	AMERICAN WELDING SOCIETY
ALUM.	ALUMINUM
B.O.	BOTTOM OF
℄	CENTERLINE
CIP	CAST-IN-PLACE
CJP	COMPLETE JOINT PENETRATION
CONC.	CONCRETE
C..S.	CONFIRM ON SITE
CLR	CLEAR
ø/DIA	DIAMETER
DL	DEAD LOAD
(E)	EXISTING
EA.	EACH
ETC.	ET CETERA
EL.	ELEVATION
E.W.	EACH WAY
FT	FOOT OR FEET
FRP	FIBER REINFORCED PLASTIC
FY	YIELD STRENGTH
FU	ULTIMATE STRENGTH
GALV.	GALVANIZED
GR	GRADE
HDPE	HIGH DENSITY POLYETHYLENE
IN	INCH OR INCHES
HSS	HOLLOW STRUCTURAL SECTION
IBC	INTERNATIONAL BUILDING CODE
INC.	INCORPORATED
KSI	KILOPOUND PER SQUARE INCH
L	LENGTH
LB	POUND
LB/FT	POUND PER FOOT
LL	LIVE LOAD
LONG.	LONGITUDINAL
MAX	MAXIMUM
MFR.	MANUFACTURER
MIN	MINIMUM
MPH	MILES PER HOUR
NO./#	NUMBER
O.C.	ON CENTER
OHW	ORDINARY HIGH WATER
PL	PLATE
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
REINF.	REINFORCING
SIM	SIMILAR
SS	STAINLESS STEEL
SYM	SYMMETRICAL
SQ FT	SQUARE FOOT
T&B	TOP AND BOTTOM
T.O.	TOP OF
TYP	TYPICAL
UHMW	ULTRA HIGH MOLECULAR WEIGHT
U.N.O.	UNLESS NOTED OTHERWISE
V	VELOCITY / VERTICAL
WABO	WASHINGTON ASSOCIATION OF BUILDING OFFICIALS
WP	WORK POINT
W/	WITH
XS	EXTRA STRONG
~	APPROXIMATELY
@	AT
'	MINUTES OR FEET
"	SECONDS OR INCHES
°	DEGREES
%	PERCENT
+/-	PLUS OR MINUS

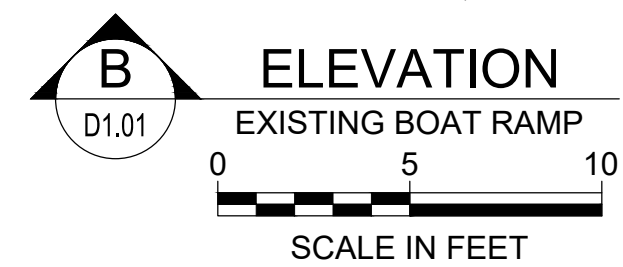
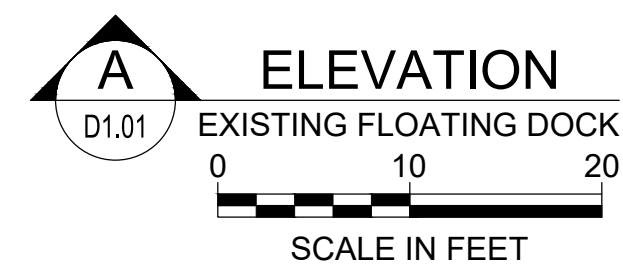
SHEET SYMBOLS

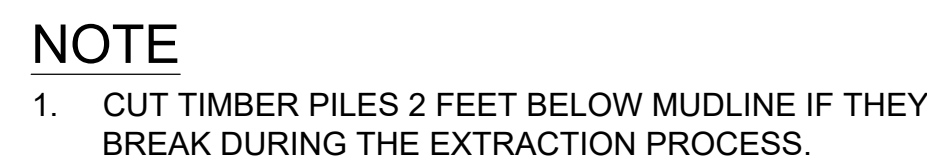
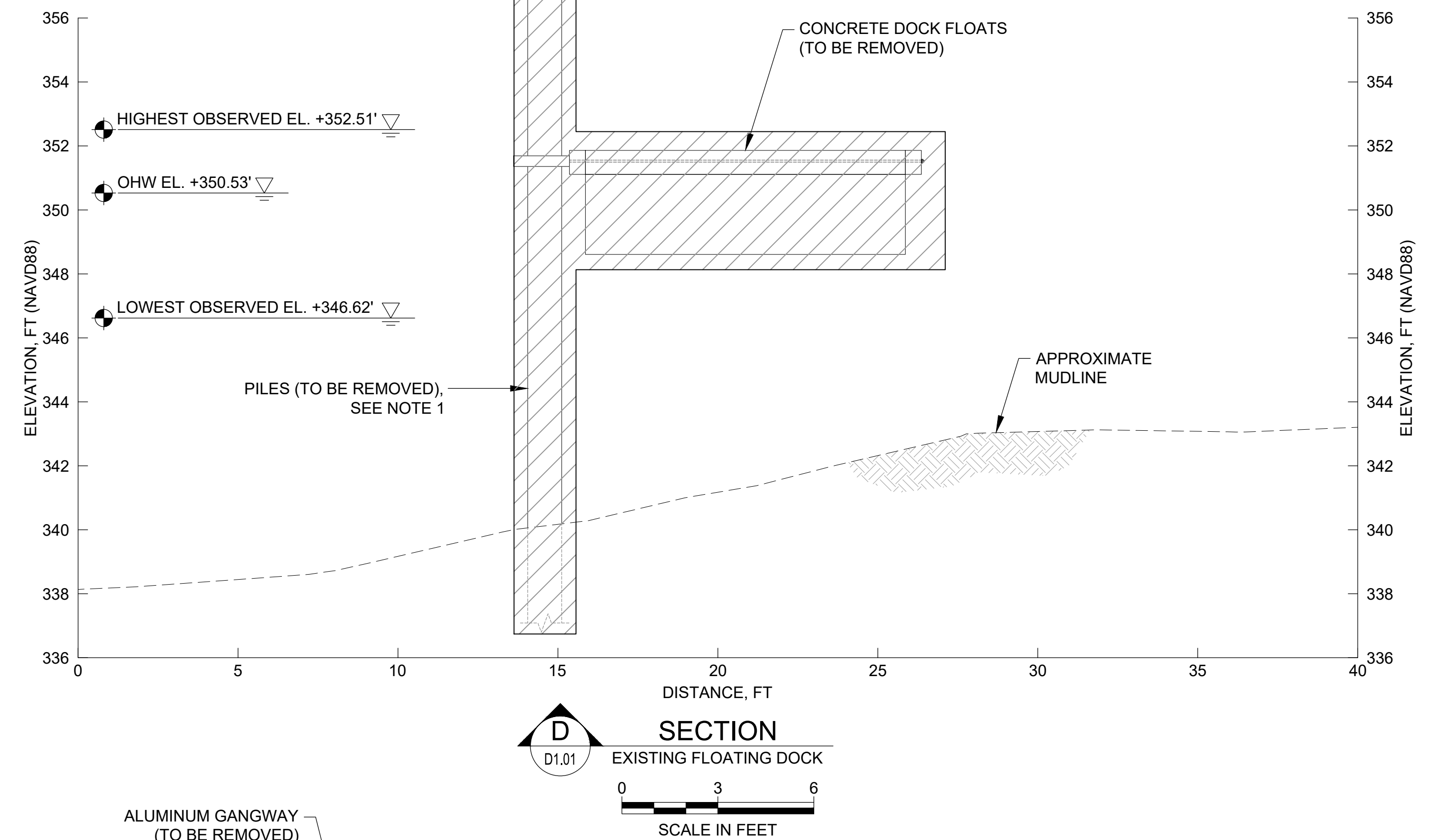




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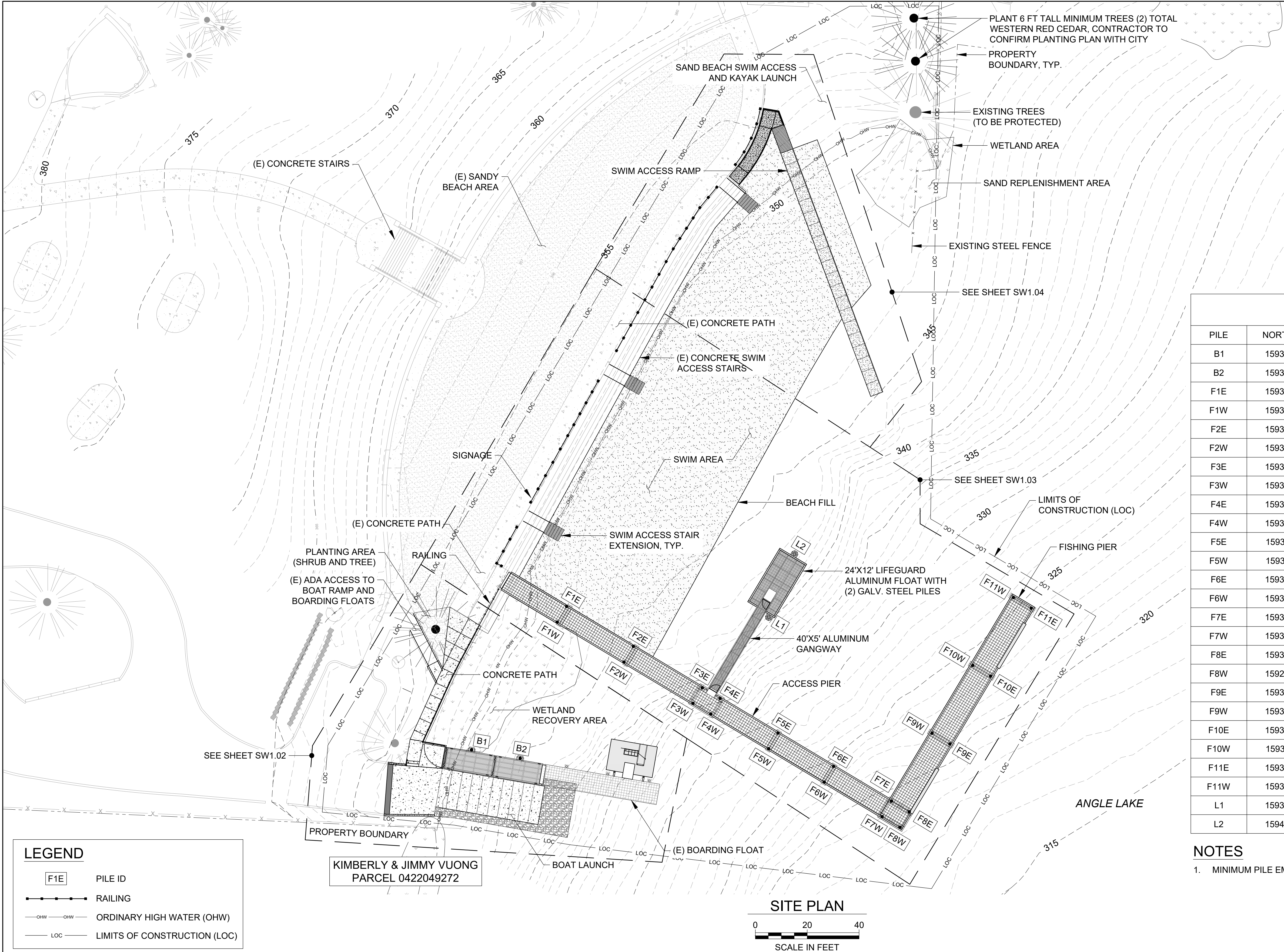
 MOTT MACDONALD 1601 5th Avenue Suite 800 Seattle, Washington 98101 T +1 (425) 778 6243 www.mottmac.com								 <i>Douglas Edgecomb</i> 9/4/26	Designed	L. Colby		Eng check	E. Edgecomb	Title Angle Lake Park Waterfront Improvements EXISTING SITE PHOTOS 1
		Drawn	T. Morrison		Coordination	T. Morrison								
		Dwg check	S. McMahon		Approved	E. Edgecomb								
		Scale at ANSI D	Status	Rev	Security									
		None												
		Drawing Number												
Project Number	B/O	Total												
507106437	5	33	G9.01											





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		Drawn	T. Morrison		Coordination	T. Morrison									
		Dwg check	S. McMahon		Approved	E. Edgecomb									
		Scale at ANSI D	Status		Rev	Security									
		1" = 3'													
0	9/4/26	TM	FOR BID	LC	EE	Project Number	B/O	Total	Drawing Number						
Rev	Date	Drawn	Description	Ch'k'd	App'd	507106437	9	33	D4.01						



PILE SCHEDULE						
PILE	NORTHING	EASTING	PILE SIZE	CUTOFF EL.	TIP EL.	BIRD CAP
B1	159326.18	1279180.54	12.75" X 0.500"	358.0'	325.0'	Y
B2	159322.94	1279199.26	12.75" X 0.500"	358.0'	325.0'	Y
F1E	159381.44	1279217.16	12.75" X 0.500"	352.5'	325.0'	N
F1W	159375.44	1279213.56	12.75" X 0.500"	352.5'	325.0'	N
F2E	159366.02	1279242.89	12.75" X 0.500"	352.5'	320.0'	N
F2W	159360.03	1279239.30	12.75" X 0.500"	352.5'	320.0'	N
F3E	159350.08	1279269.47	12.75" X 0.500"	352.5'	315.0'	N
F3W	159344.10	1279265.89	12.75" X 0.500"	352.5'	315.0'	N
F4E	159345.96	1279276.34	12.75" X 0.500"	352.5'	315.0'	N
F4W	159339.98	1279272.76	12.75" X 0.500"	352.5'	315.0'	N
F5E	159332.61	1279298.65	12.75" X 0.500"	352.5'	310.0'	N
F5W	159326.61	1279295.05	12.75" X 0.500"	352.5'	310.0'	N
F6E	159319.76	1279320.09	12.75" X 0.500"	352.5'	305.0'	N
F6W	159313.76	1279316.49	12.75" X 0.500"	352.5'	305.0'	N
F7E	159306.38	1279342.40	12.75" X 0.500"	352.5'	300.0'	N
F7W	159300.40	1279338.80	12.75" X 0.500"	352.5'	300.0'	N
F8E	159302.28	1279349.25	12.75" X 0.500"	352.5'	300.0'	N
F8W	159296.29	1279345.66	12.75" X 0.500"	352.5'	300.0'	N
F9E	159328.44	1279364.93	12.75" X 0.500"	352.5'	300.0'	N
F9W	159332.55	1279358.07	12.75" X 0.500"	352.5'	300.0'	N
F10E	159354.60	1279380.60	12.75" X 0.500"	352.5'	305.0'	N
F10W	159358.71	1279373.74	12.75" X 0.500"	352.5'	305.0'	N
F11E	159380.77	1279396.29	12.75" X 0.500"	352.5'	305.0'	N
F11W	159384.88	1279389.42	12.75" X 0.500"	352.5'	305.0'	N
L1	159377.25	1279295.29	12.75" X 0.500"	358.0'	315.0'	Y
L2	159401.50	1279305.16	12.75" X 0.500"	358.0'	315.0'	Y

NOTES
1. MINIMUM PILE EMBEDMENT: 20 FT (ALL PILES)

FOR BID

LEGEND

F1E

PILE ID

RAILING

RAILING

OHW

ORDINARY HIGH WATER (OHW)

LOC

LIMITS OF CONSTRUCTION (LOC)

KIMBERLY & JIMMY VUONG
PARCEL 0422049272

SITE PLAN

02040

SCALE IN FEET

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CITY OF SEATTLE

EST 1900

0	9/4/26	TM	FOR BID	LC	EE
Rev	Date	Drawn	Description	Ch'k'd	App'd

DOUGLAS EDGECOMB

REGISTERED PROFESSIONAL ENGINEER

9/4/26

Project Number
507106437

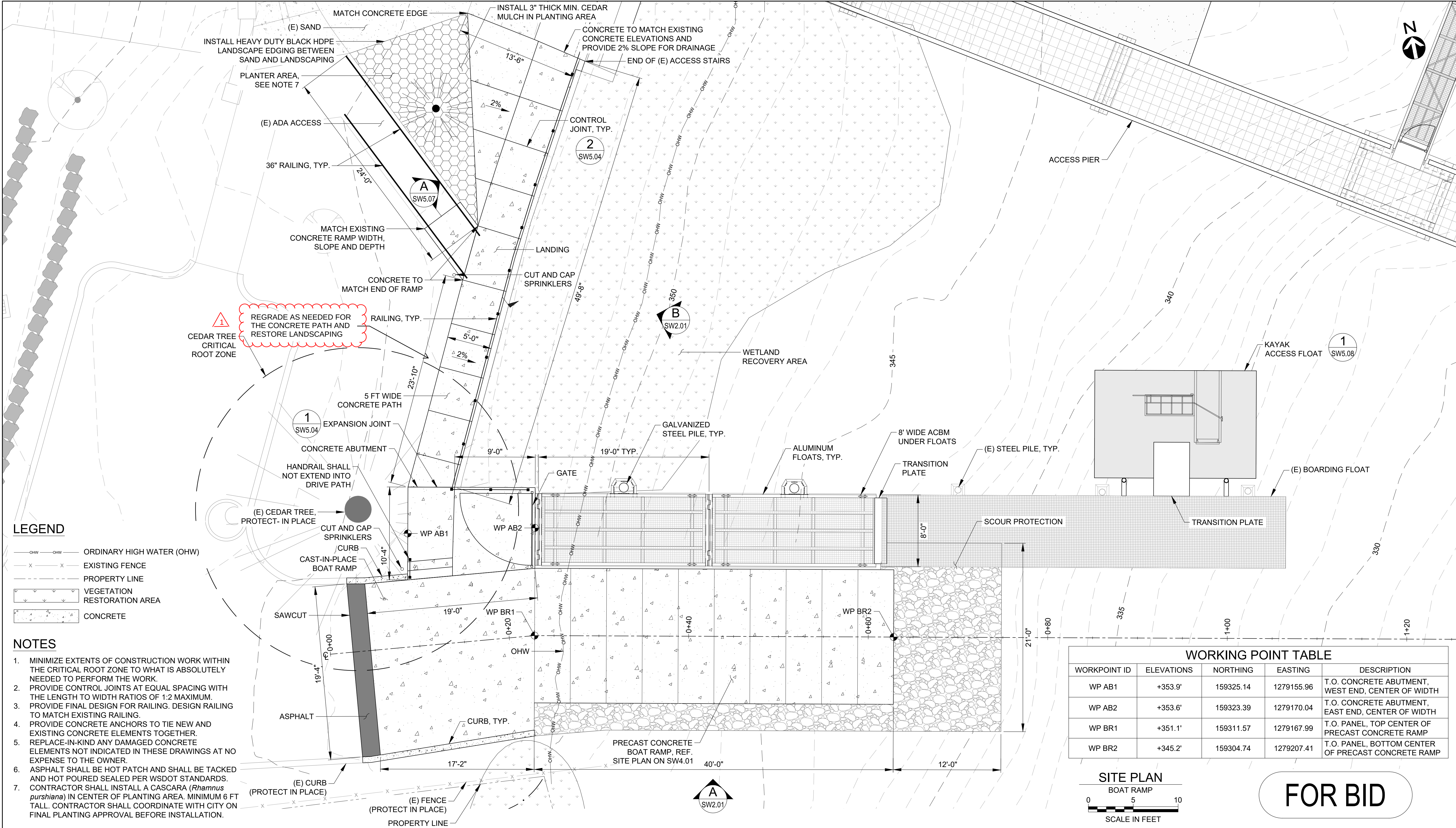
B/O
10

Total
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Designed	L. Colby	Eng check	E. Edgecomb
Drawn	T. Morrison	Coordination	T. Morrison
Dwg check	S. McMahon	Approved	E. Edgecomb
Scale at ANSI D 1" = 20'	Status	Rev	Security
Drawing Number	SW1.01		

Title
Angle Lake Park
Waterfront Improvements

PROPOSED SITE PLAN



LEGEND

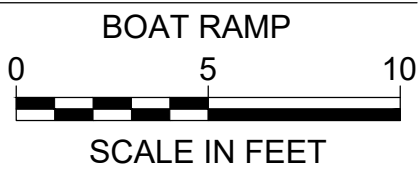
- OHW — OHW — ORDINARY HIGH WATER (OHW)
- X — X — EXISTING FENCE
- — — PROPERTY LINE
- VEGETATION RESTORATION AREA
- CONCRETE

NOTES

- MINIMIZE EXTENTS OF CONSTRUCTION WORK WITHIN THE CRITICAL ROOT ZONE TO WHAT IS ABSOLUTELY NEEDED TO PERFORM THE WORK.
- PROVIDE CONTROL JOINTS AT EQUAL SPACING WITH THE LENGTH TO WIDTH RATIOS OF 1:2 MAXIMUM.
- PROVIDE FINAL DESIGN FOR RAILING. DESIGN RAILING TO MATCH EXISTING RAILING.
- PROVIDE CONCRETE ANCHORS TO TIE NEW AND EXISTING CONCRETE ELEMENTS TOGETHER.
- REPLACE-IN-KIND ANY DAMAGED CONCRETE ELEMENTS NOT INDICATED IN THESE DRAWINGS AT NO EXPENSE TO THE OWNER.
- ASPHALT SHALL BE HOT PATCH AND SHALL BE TACKED AND HOT POURED SEALED PER WSDOT STANDARDS.
- CONTRACTOR SHALL INSTALL A CASCARA (*Rhamnus purshiana*) IN CENTER OF PLANTING AREA. MINIMUM 6 FT TALL. CONTRACTOR SHALL COORDINATE WITH CITY ON FINAL PLANTING APPROVAL BEFORE INSTALLATION.

WORKING POINT TABLE				
WORKPOINT ID	ELEVATIONS	NORTHING	EASTING	DESCRIPTION
WP AB1	+353.9'	159325.14	1279155.96	T.O. CONCRETE ABUTMENT, WEST END, CENTER OF WIDTH
WP AB2	+353.6'	159323.39	1279170.04	T.O. CONCRETE ABUTMENT, EAST END, CENTER OF WIDTH
WP BR1	+351.1'	159311.57	1279167.99	T.O. PANEL, TOP CENTER OF PRECAST CONCRETE RAMP
WP BR2	+345.2'	159304.74	1279207.41	T.O. PANEL, BOTTOM CENTER OF PRECAST CONCRETE RAMP

SITE PLAN



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1	10/2/26		ADDENDUM		
0	9/4/26	TM	FOR BID	LC	EE
Rev	Date	Drawn	Description	Ch'k'd	App'd



9/4/26

Project Number
507106437

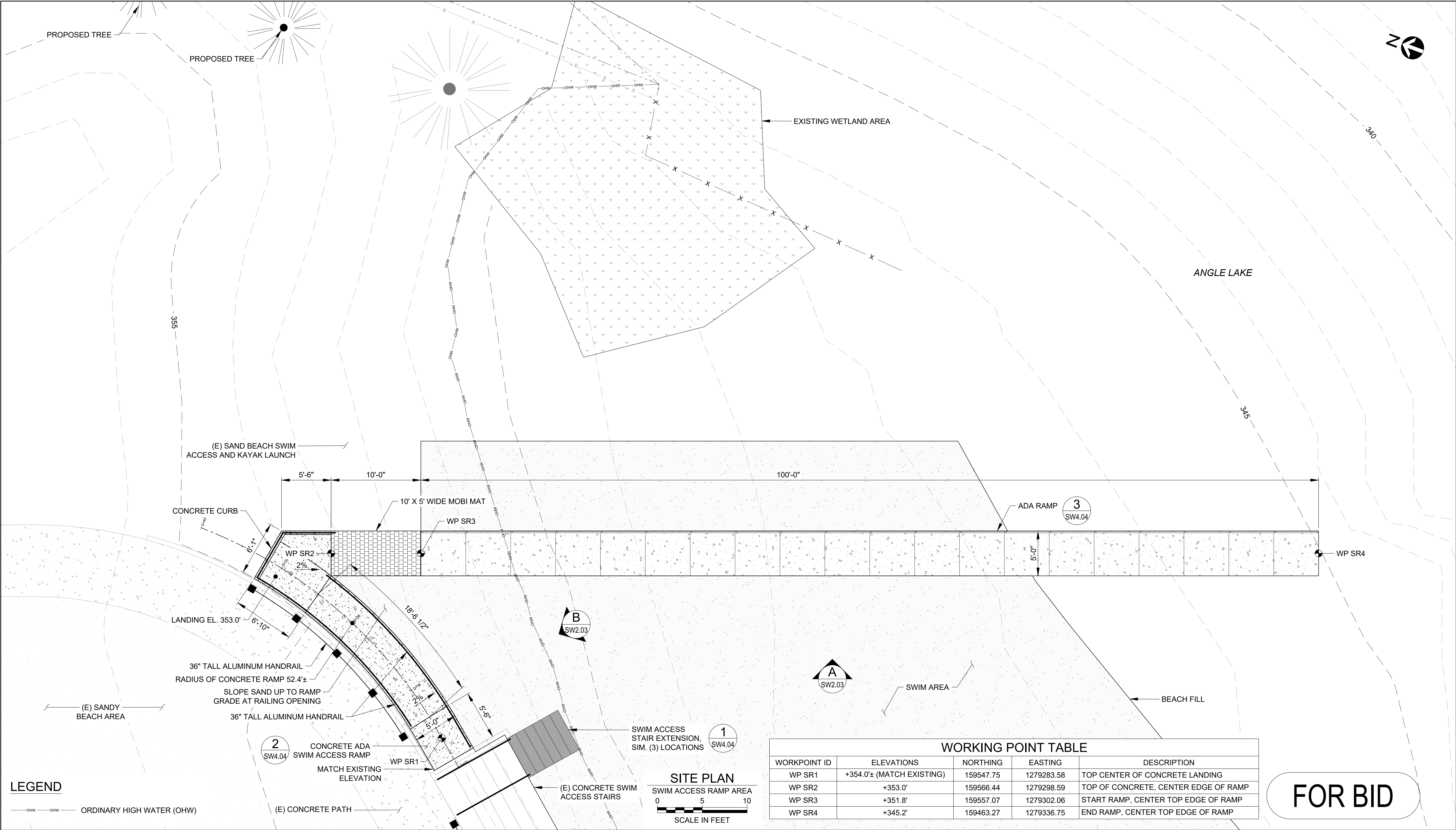
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Total
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Designed	L. Colby	Eng check	E. Edgecomb
Drawn	T. Morrison	Coordination	T. Morrison
Dwg check	S. McMahon	Approved	E. Edgecomb
Scale at ANSI D 1" = 5'	Status	Rev	Security
Drawing Number	SW1.02		

Angle Lake Park
Waterfront Improvements

BOAT LAUNCH AREA



M

M

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Client

CITY OF SEATAC

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0	9/4/26	TM	FOR BID	LC	EE
Rev	Date	Drawn	Description	Ch'k'd	App'd

DOUGLAS EDGECOMB

REGISTERED PROFESSIONAL ENGINEER

9/4/26

Project Number
507106437

B/O
13

Total
33

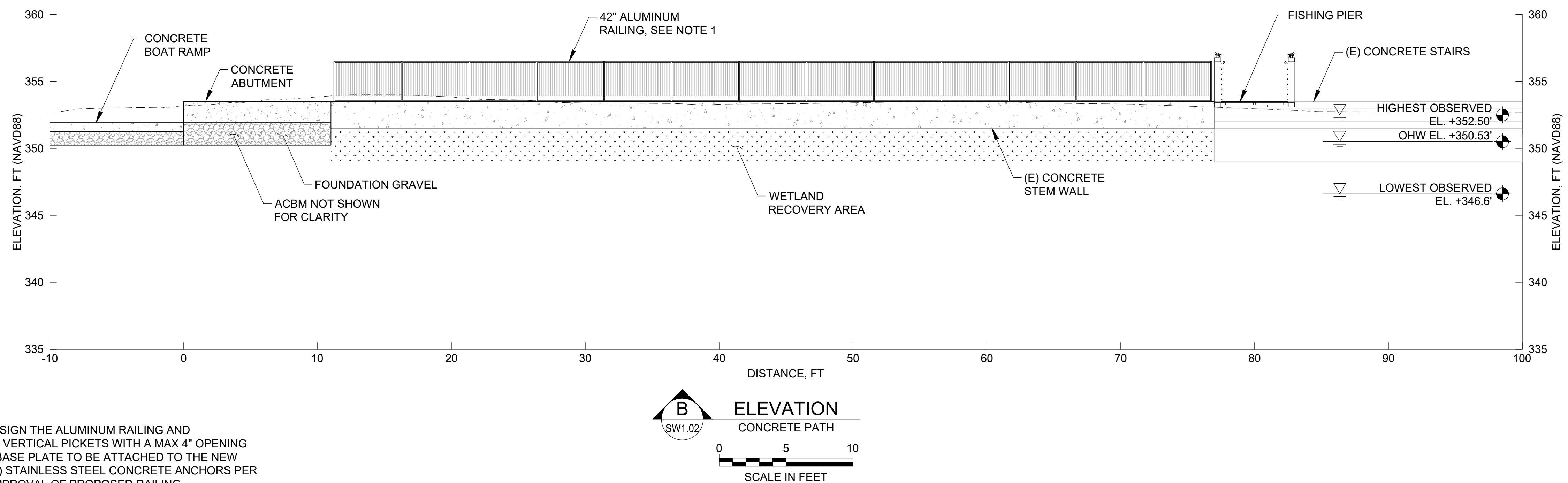
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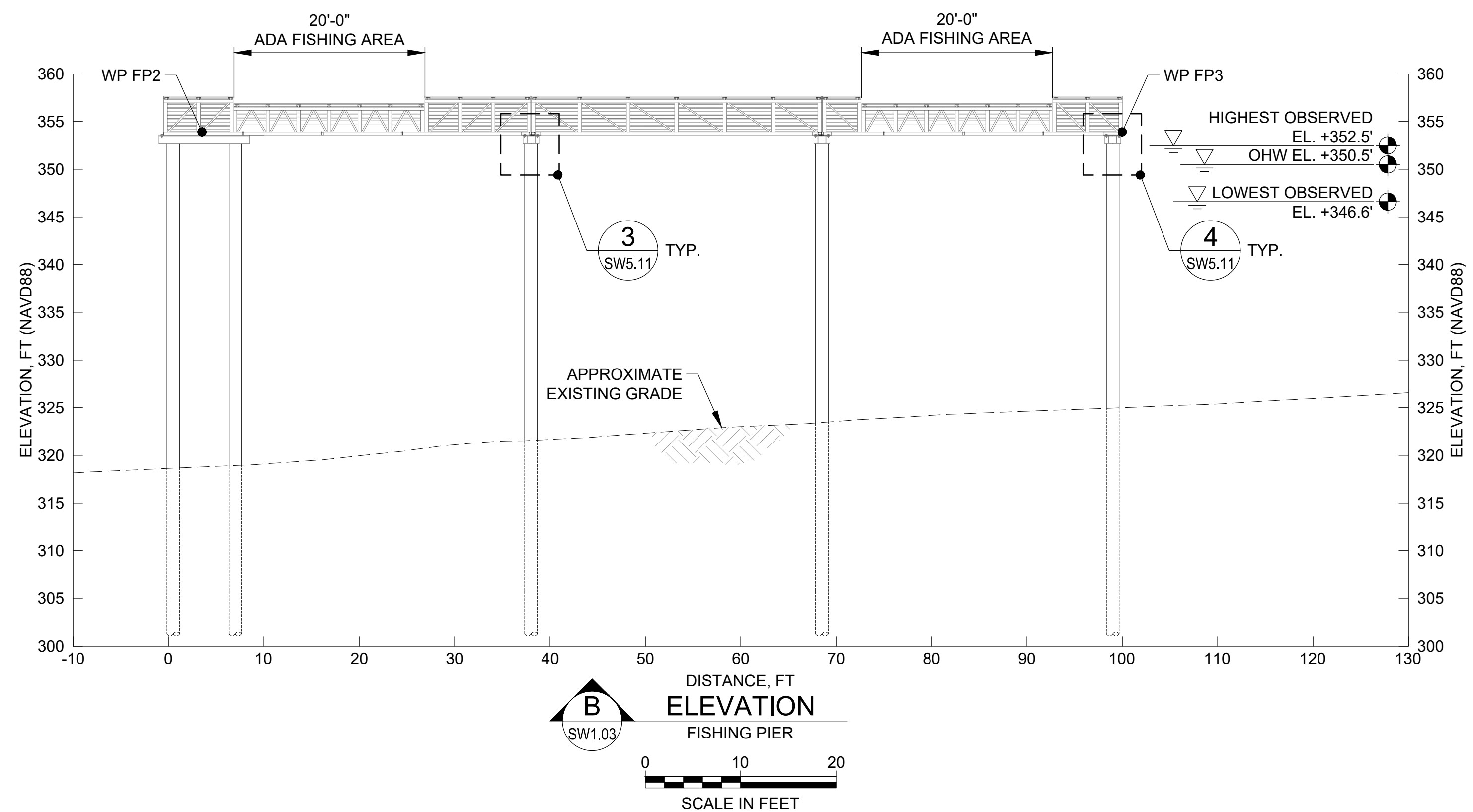
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SW1.04

Title
Angle Lake Park Waterfront Improvements

SWIM ACCESS AREA

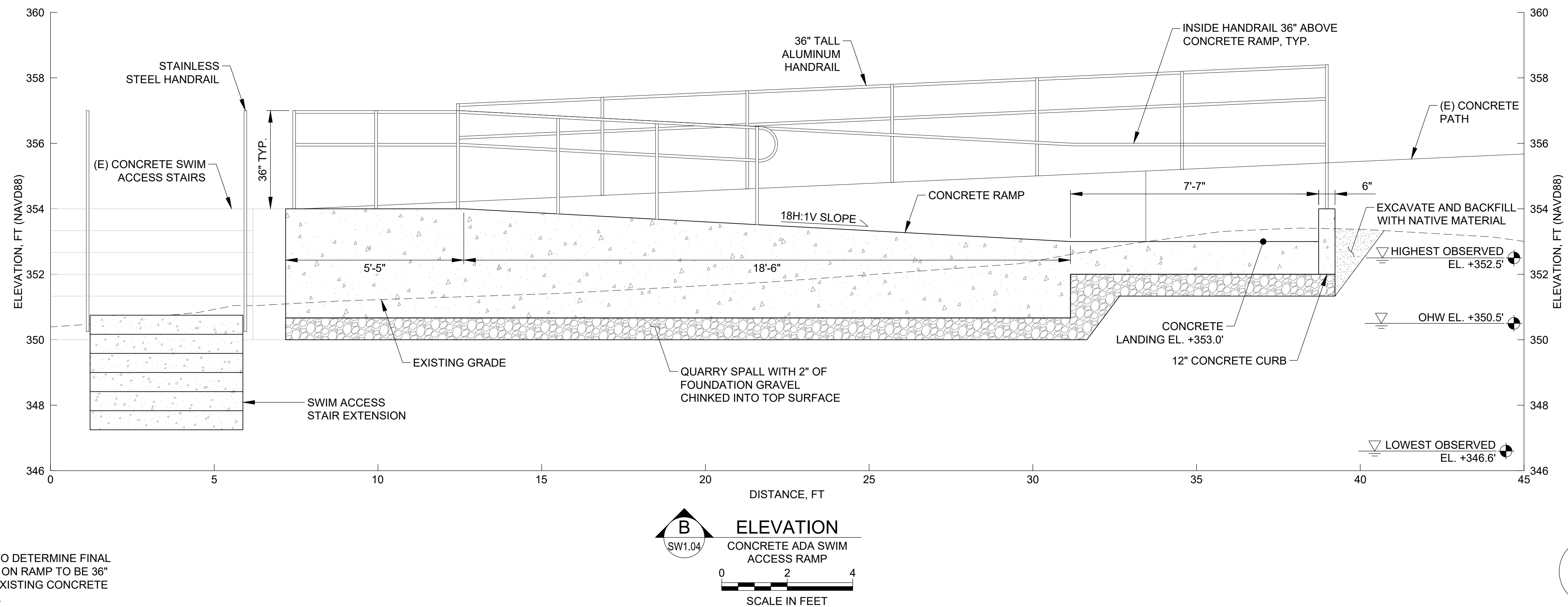
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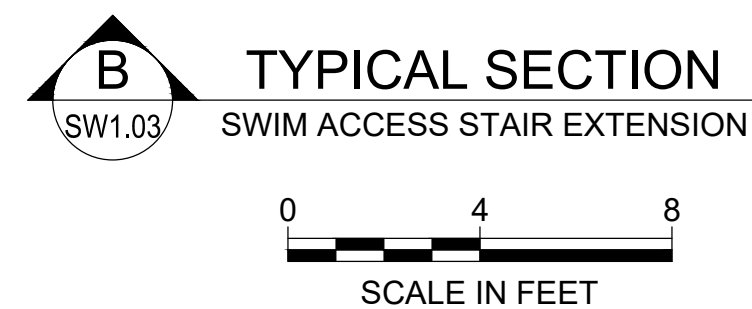
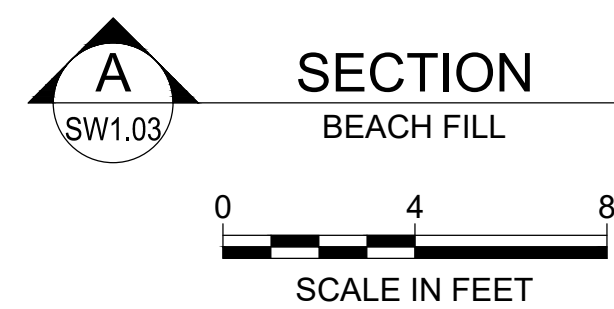




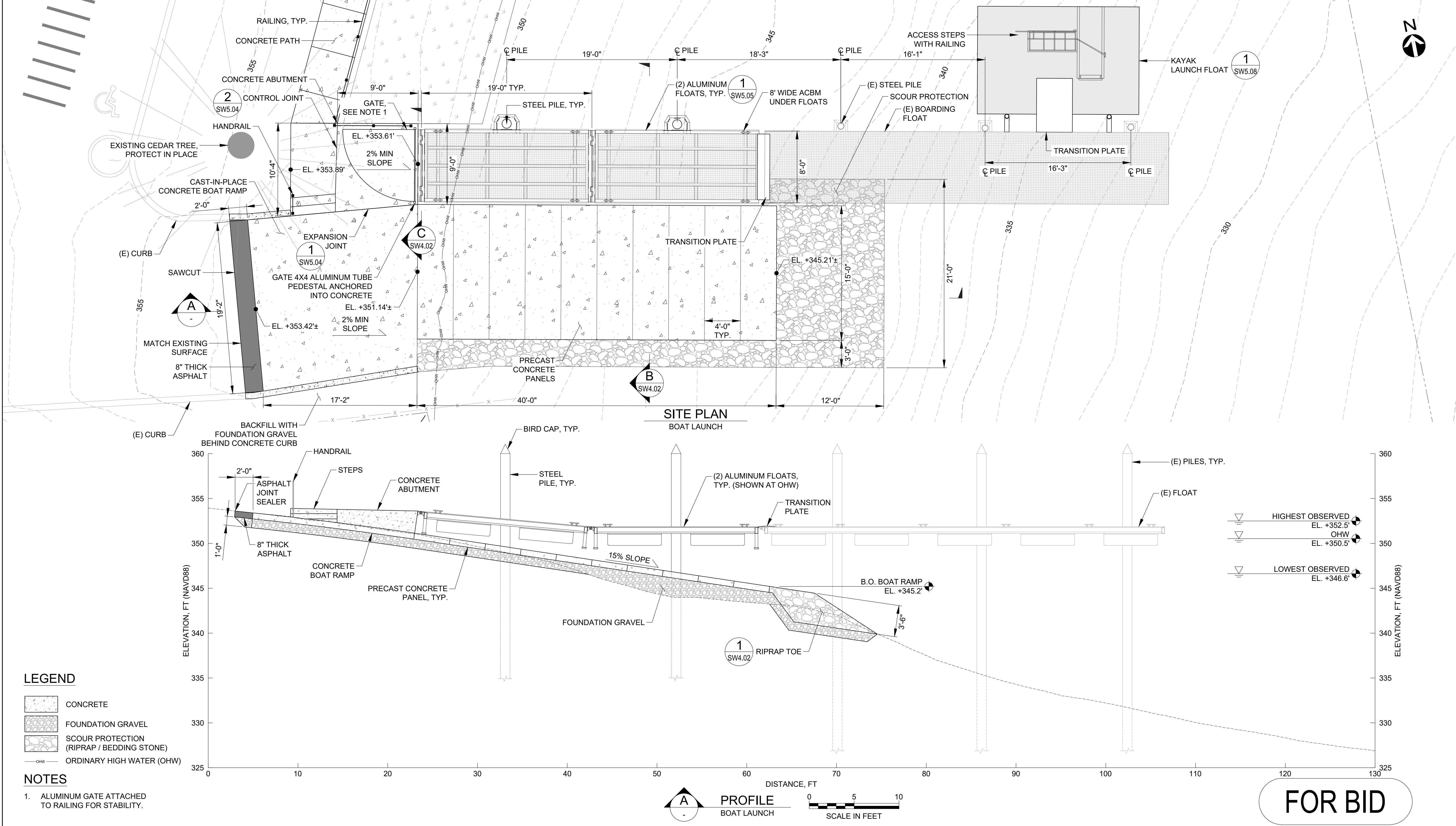
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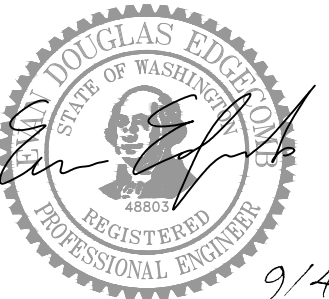
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0	9/4/26	TM	FOR BID	LC	EE
Rev	Date	Drawn	Description	Ch'k'd	App'd



9/4/26

Project Number
507106437

B/O
18

Total
33

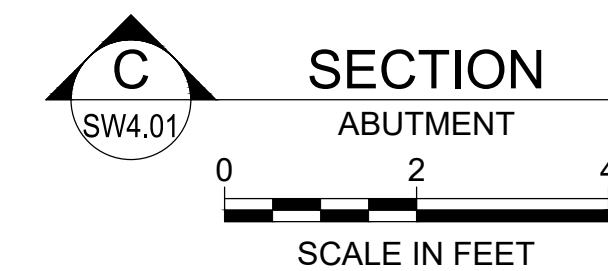
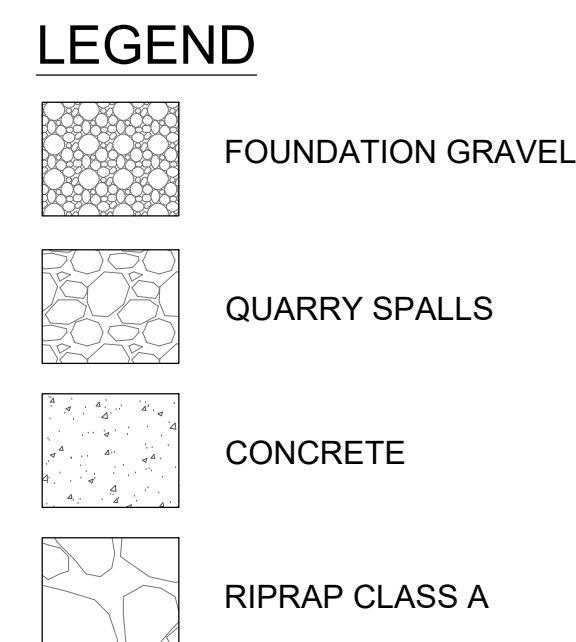
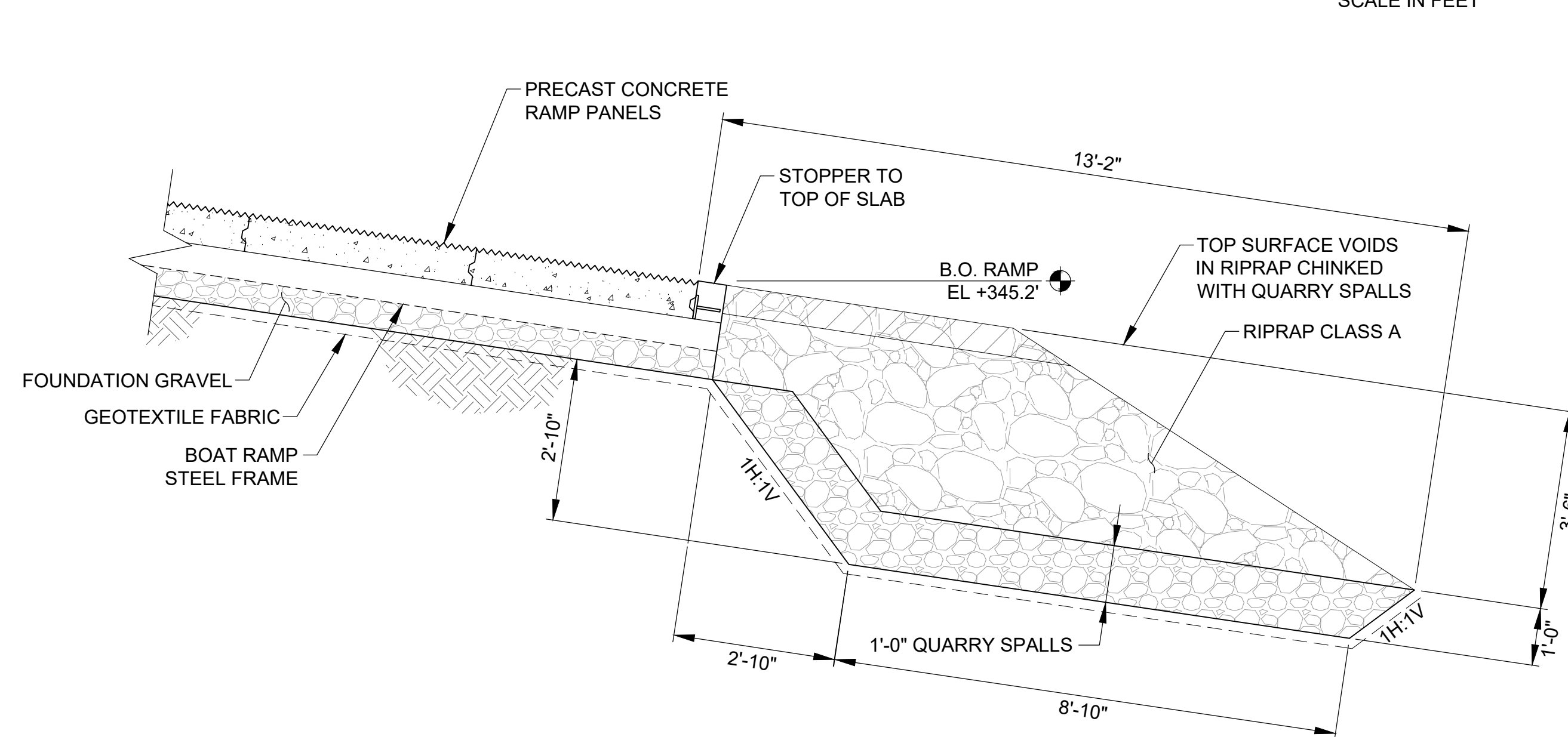
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Drawn	T. Morrison	Coordination	T. Morrison
Dwg check	S. McMahon	Approved	E. Edgecomb
Scale at ANSI D 1" = 5'	Status	Rev	Security
Drawing Number		SW4.01	

FOR BID

Angle Lake Park
Waterfront Improvements

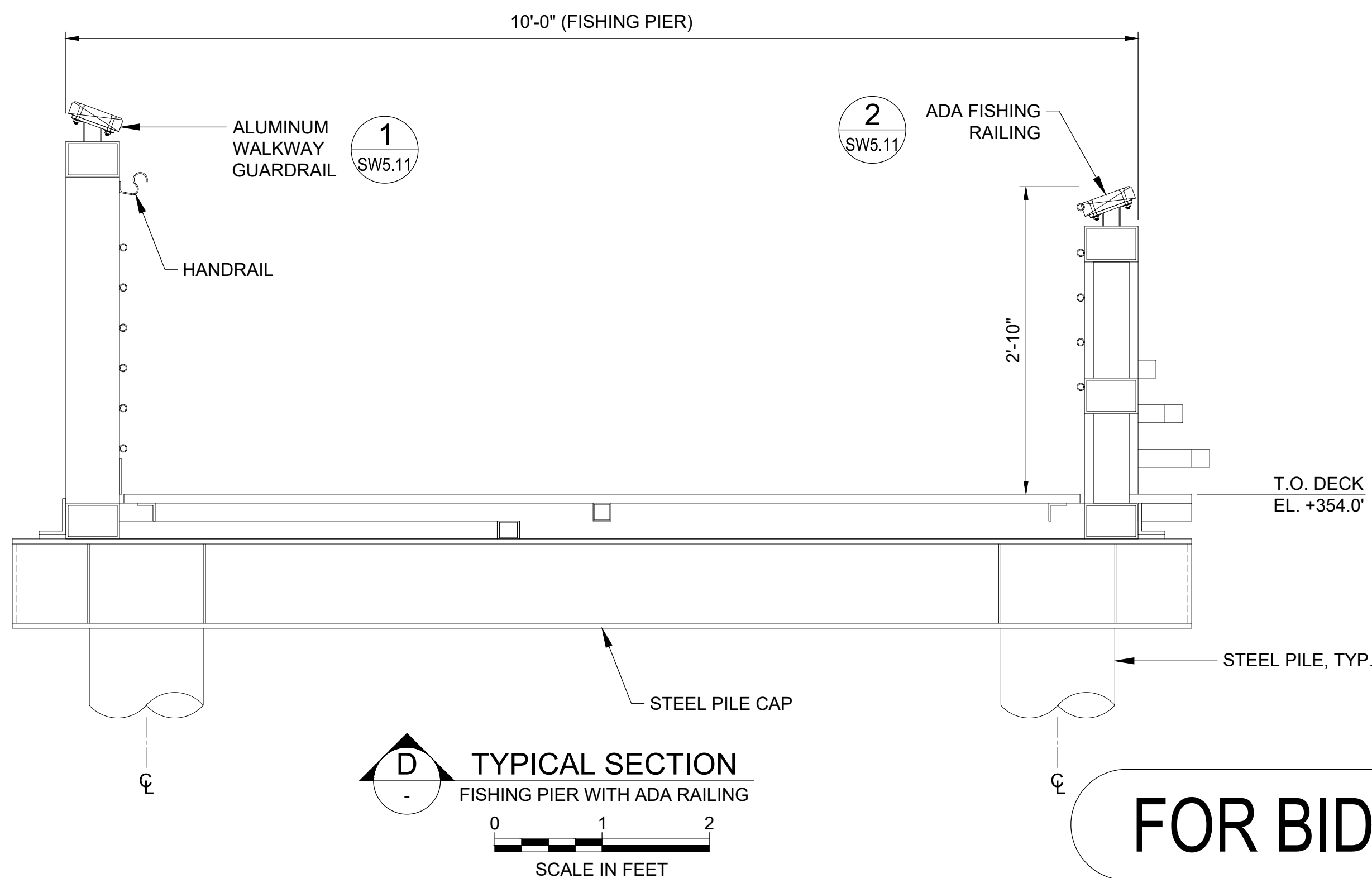
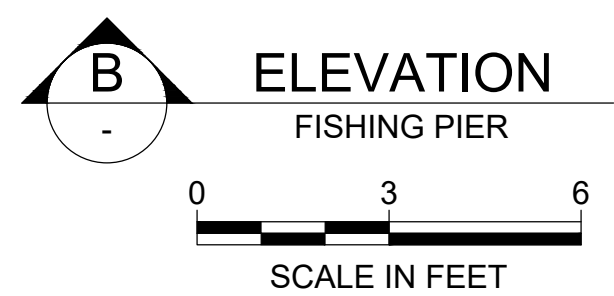
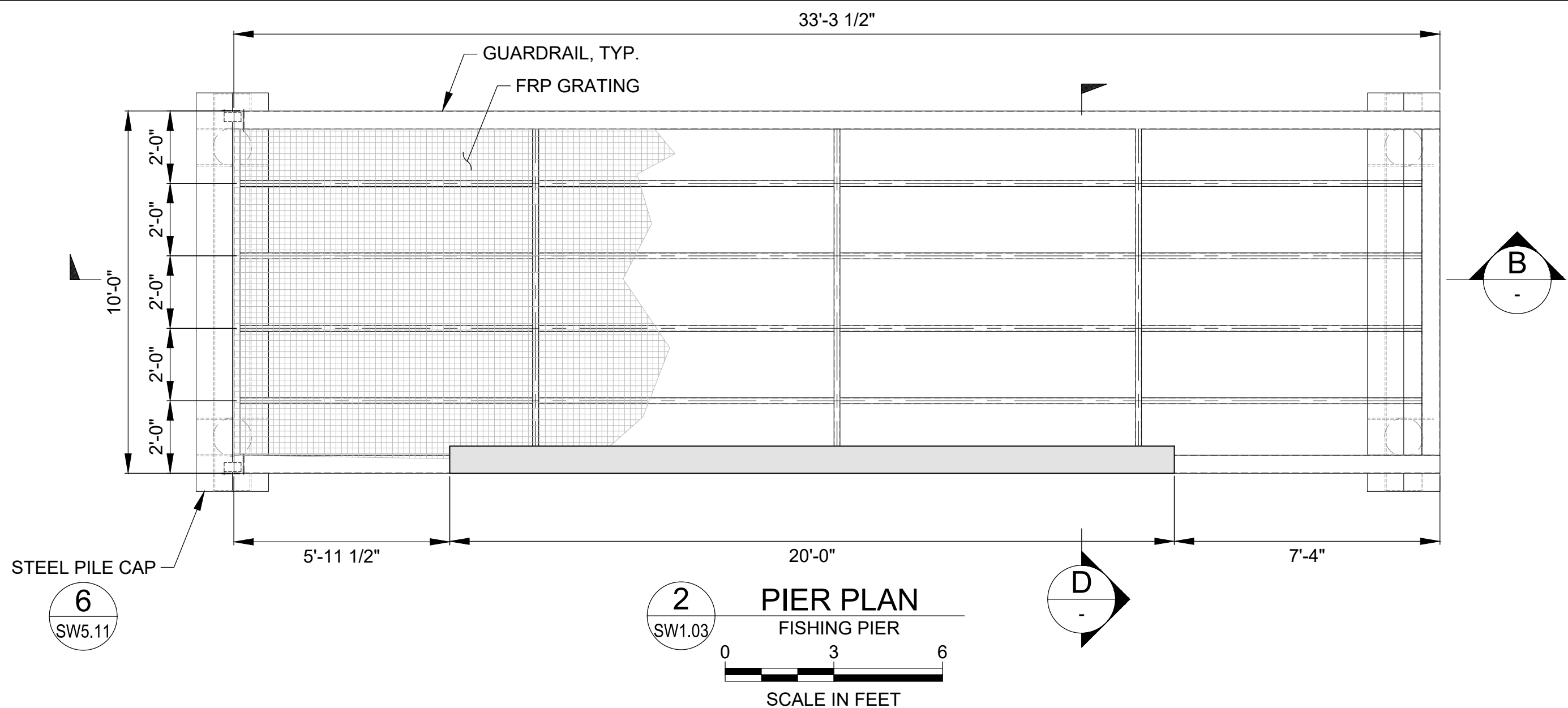
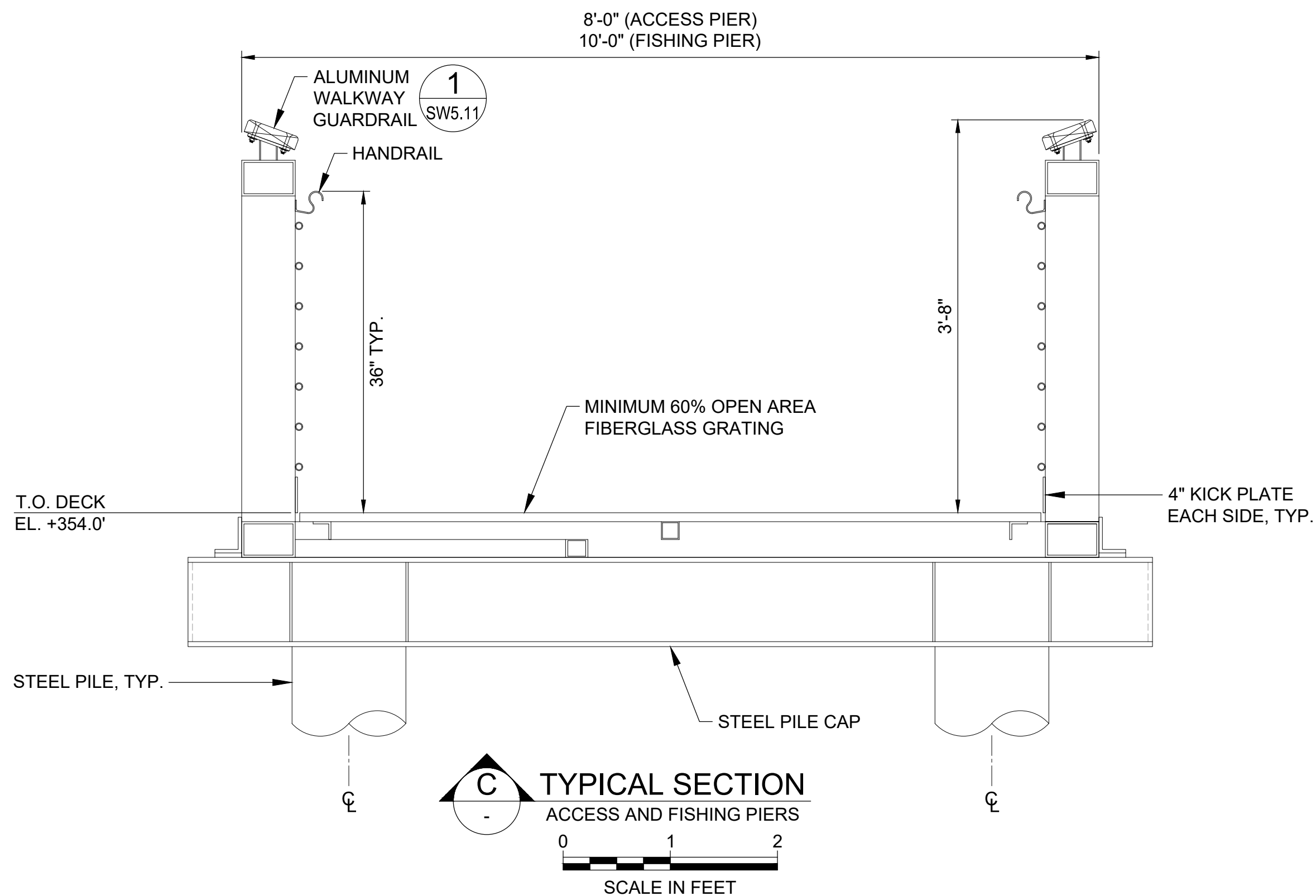
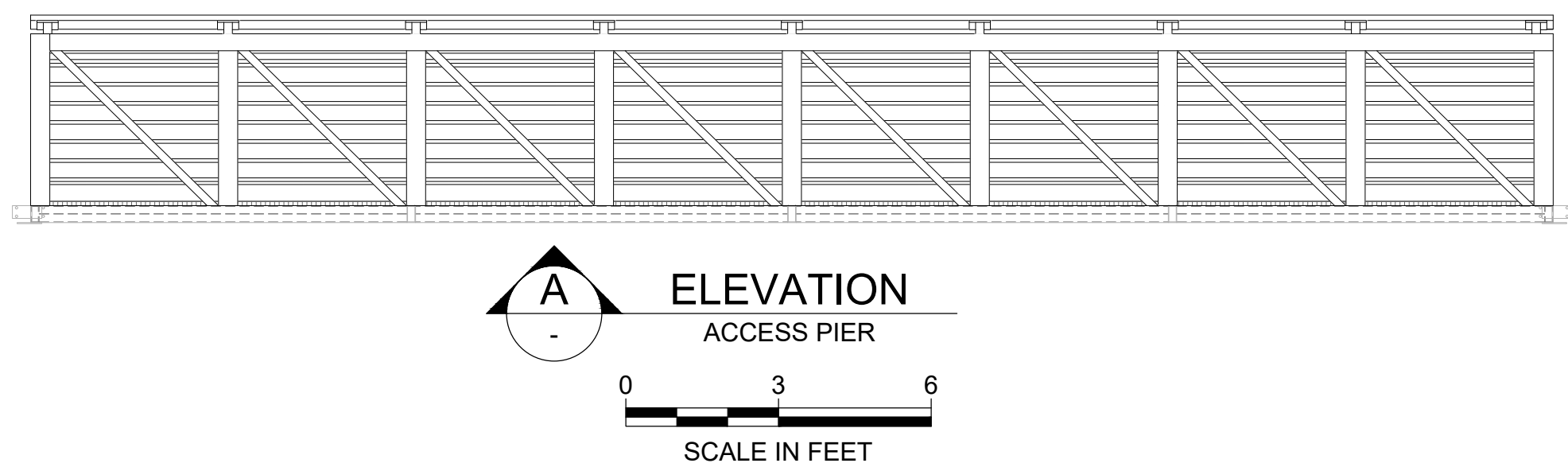
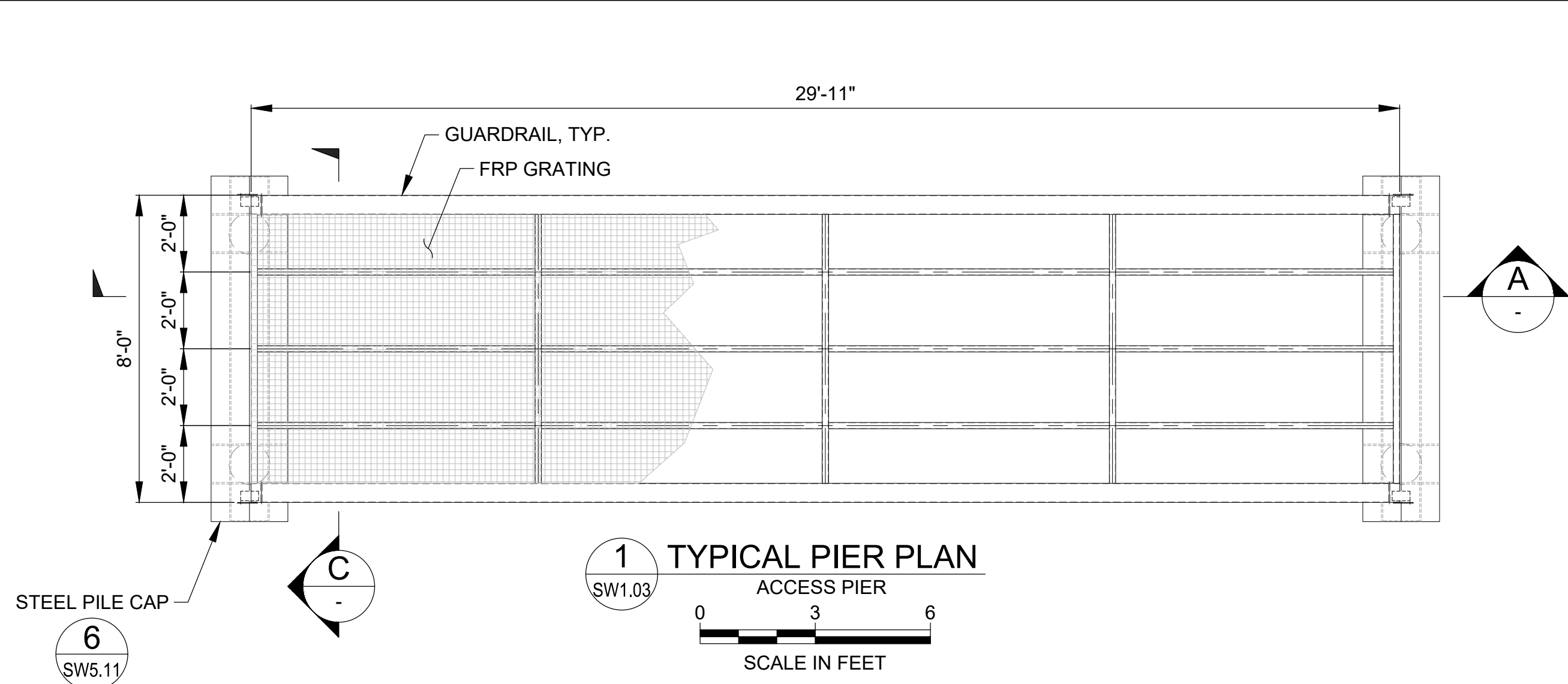
BOAT LAUNCH PLAN AND PROFILE

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FOR BID

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Rev	Date	Drawn	Description	Ch'k'd	App'd



9/4/26

Project Number
507106437

B/O
20

Total
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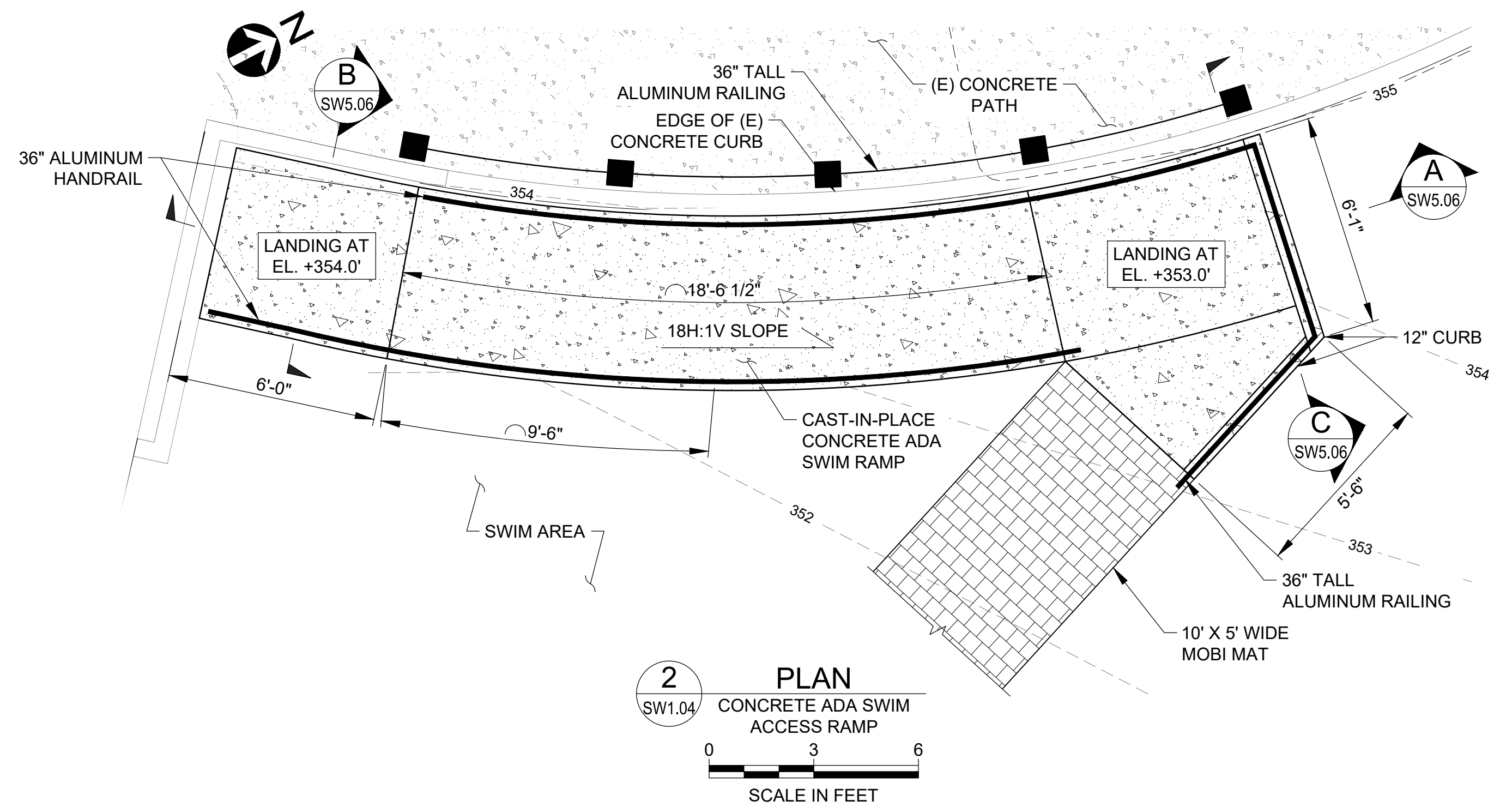
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Drawn	T. Morrison	Coordination	T. Morrison
Dwg check	S. McMahon	Approved	E. Edgecomb
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Drawing Number		SW4.03	

Title

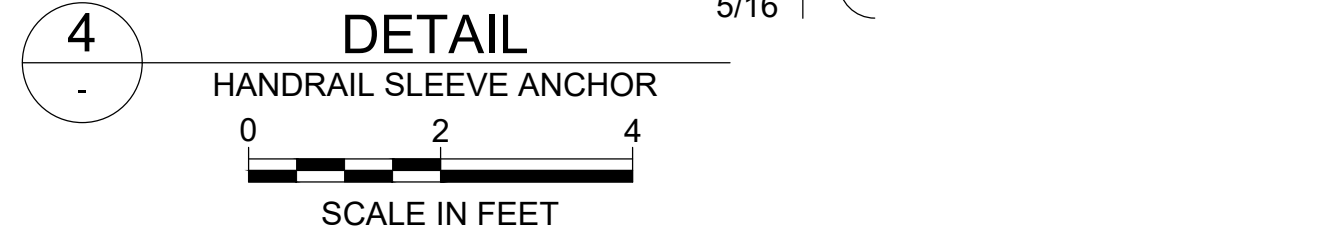
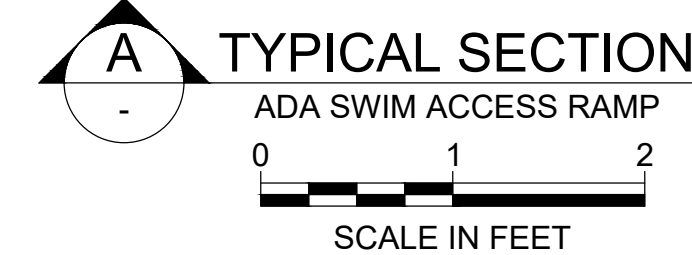
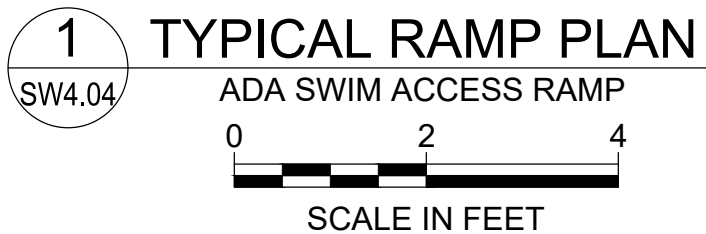
Angle Lake Park
Waterfront Improvements

FISHING AREA PLAN
AND SECTIONS

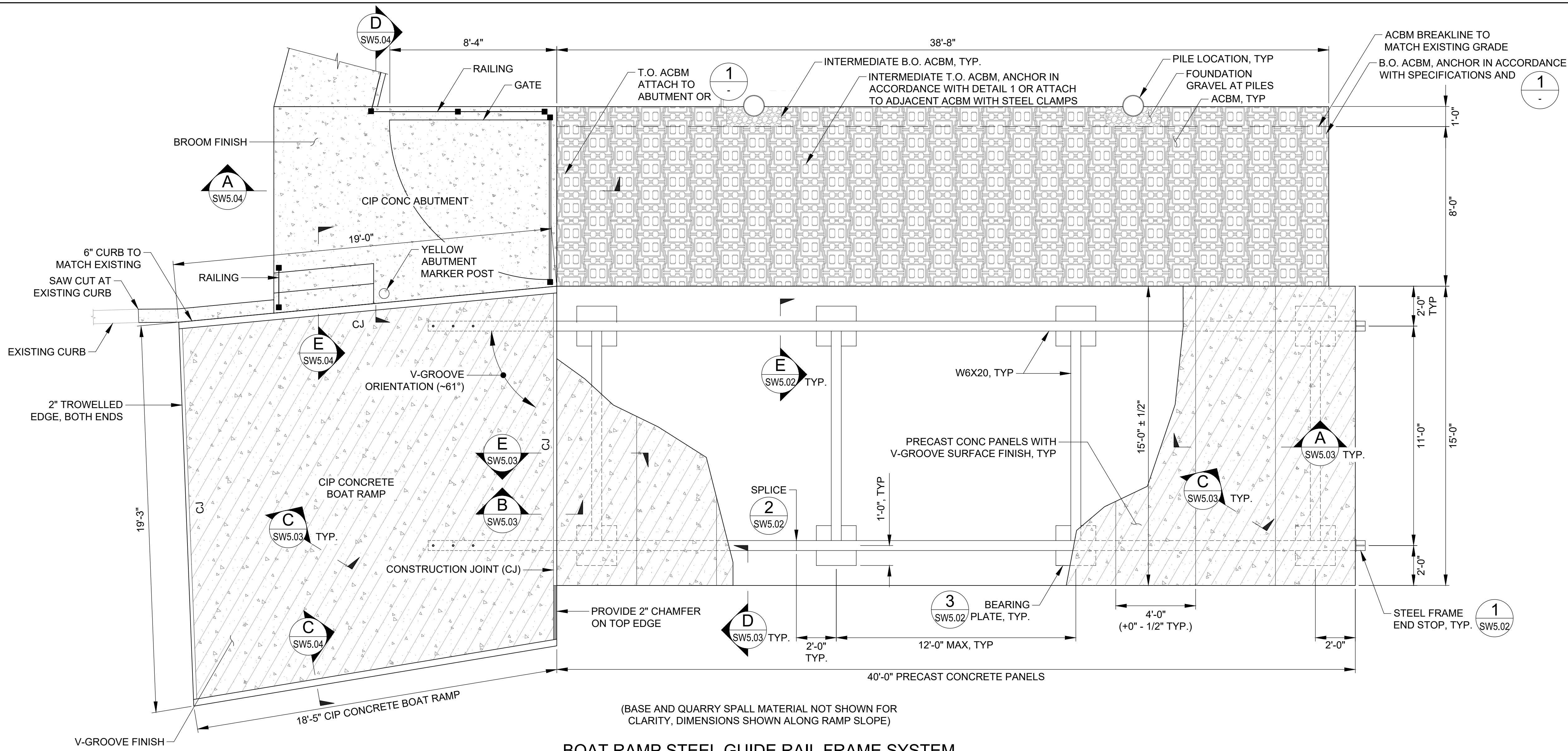
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 MOTT MACDONALD	1601 5th Avenue Suite 800 Seattle, Washington 98101 T +1 (425) 778 6243 www.mottmac.com								 <i>Douglas Edgecomb</i> 9/4/26	DesignedL. ColbyEng checkE. Edgecomb DrawnT. MorrisonCoordinationT. Morrison Dwg checkS. McMahonApprovedE. Edgecomb Scale at ANSI DAs ShownStatusRevSecurity Drawing NumberSW4.04	Title Angle Lake Park Waterfront Improvements SWIM ACCESS PLANS AND SECTIONS 1
	0	9/4/26	TM	FOR BID	LC	EE					
	Rev	Date	Drawn	Description	Ch'k'd	App'd					

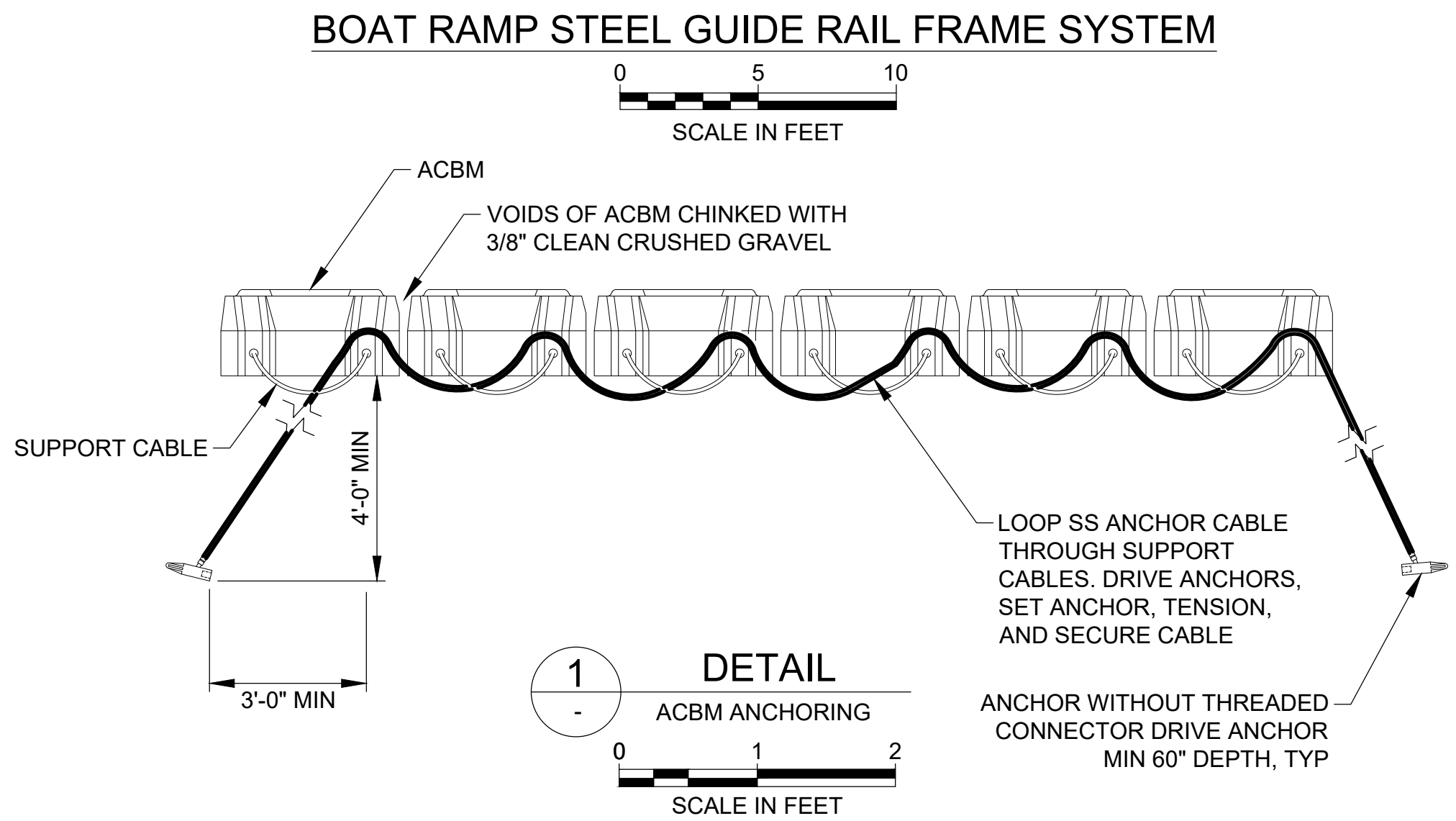


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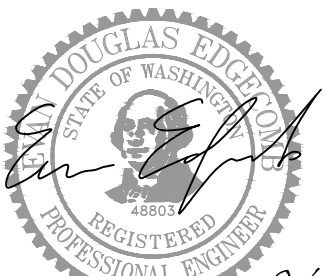


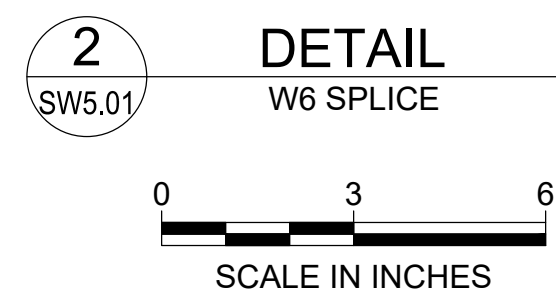
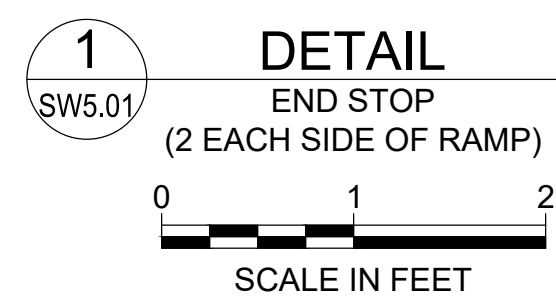
- LEGEND**
- CONCRETE
 - CONCRETE (V-GROOVE FINISH)

- NOTES**
- FLOATS NOT SHOWN.
 - TERMINATE REBAR 3" FROM CONSTRUCTION JOINTS, UNLESS OTHERWISE SHOWN, ALL SIDES, TYP
 - FOUNDATION GRAVEL BASE IS COMPOSED OF 2 PRODUCTS EACH WITH 6" THICKNESS WITHIN AREAS OF STEEL FRAME, SEE SPECIFICATIONS.
 - ABUTMENT MARKERS SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
 - PROVIDE DETAIL FOR ACBM ATTACHMENT TO ABUTMENT IF IT IS THE CHOSEN CONNECTION TYPE.
 - PAINT RAILING ON BOAT RAMP SIDE YELLOW.

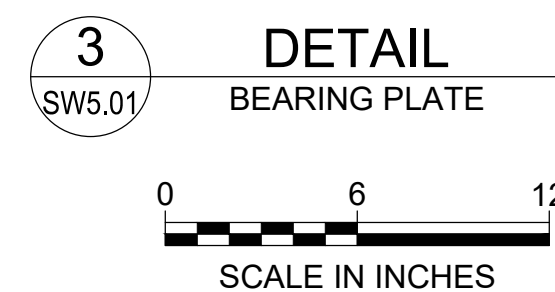
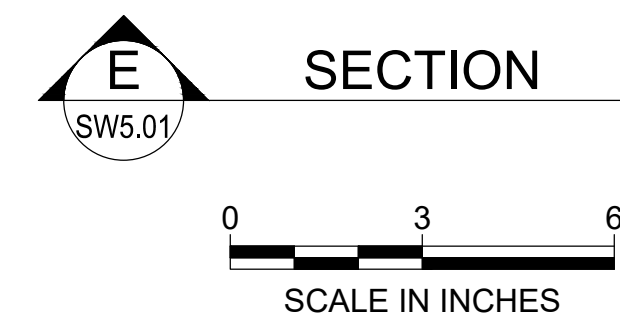


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1. CONTRACTOR TO DETERMINE SPLICE LOCATIONS. SPLICE ON PLAN IS NOT THE ONLY LOCATION SPLICES SHALL BE ALLOWED. CONTRACTOR TO SHOW ALL W6 SPLICE LOCATIONS ON SHOP DRAWINGS, STAGGER SPLICES.
2. THE CONTRACTOR MAY PROPOSE A W5 BEAM TO BE USED AS A CROSS BRACE BEAMS INSTEAD OF THE W6 BUT IS RESPONSIBLE FOR MODIFYING THE EXISTING DETAILS FOR PROPER FIT UP AND CONNECTION.



FOR BID

Angle Lake Park Waterfront Improvements

BOAT RAMP AND ADA
RAMP FRAME DETAILS

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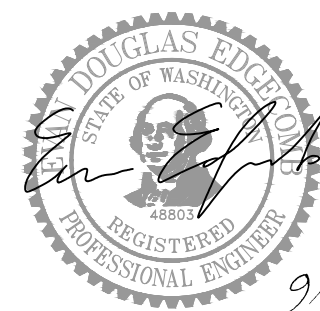
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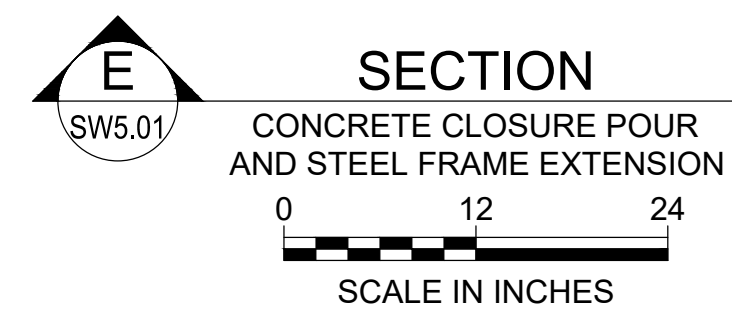
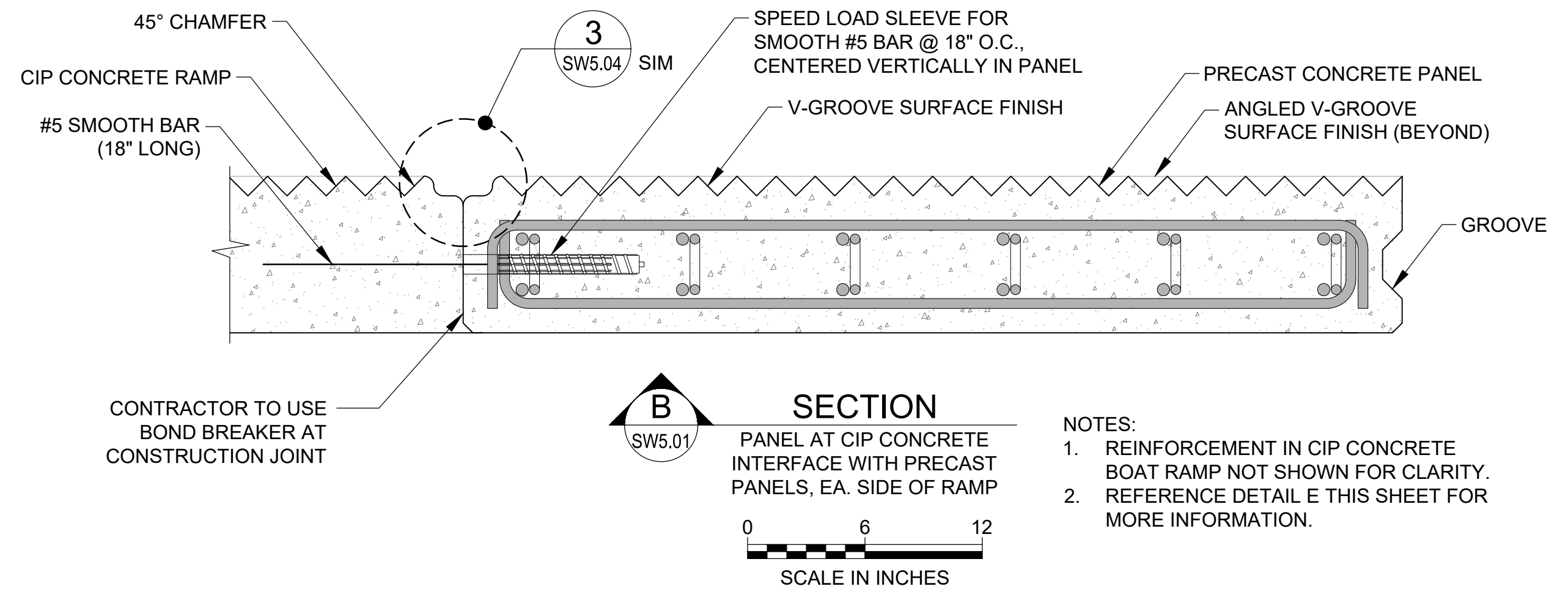
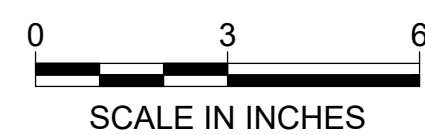
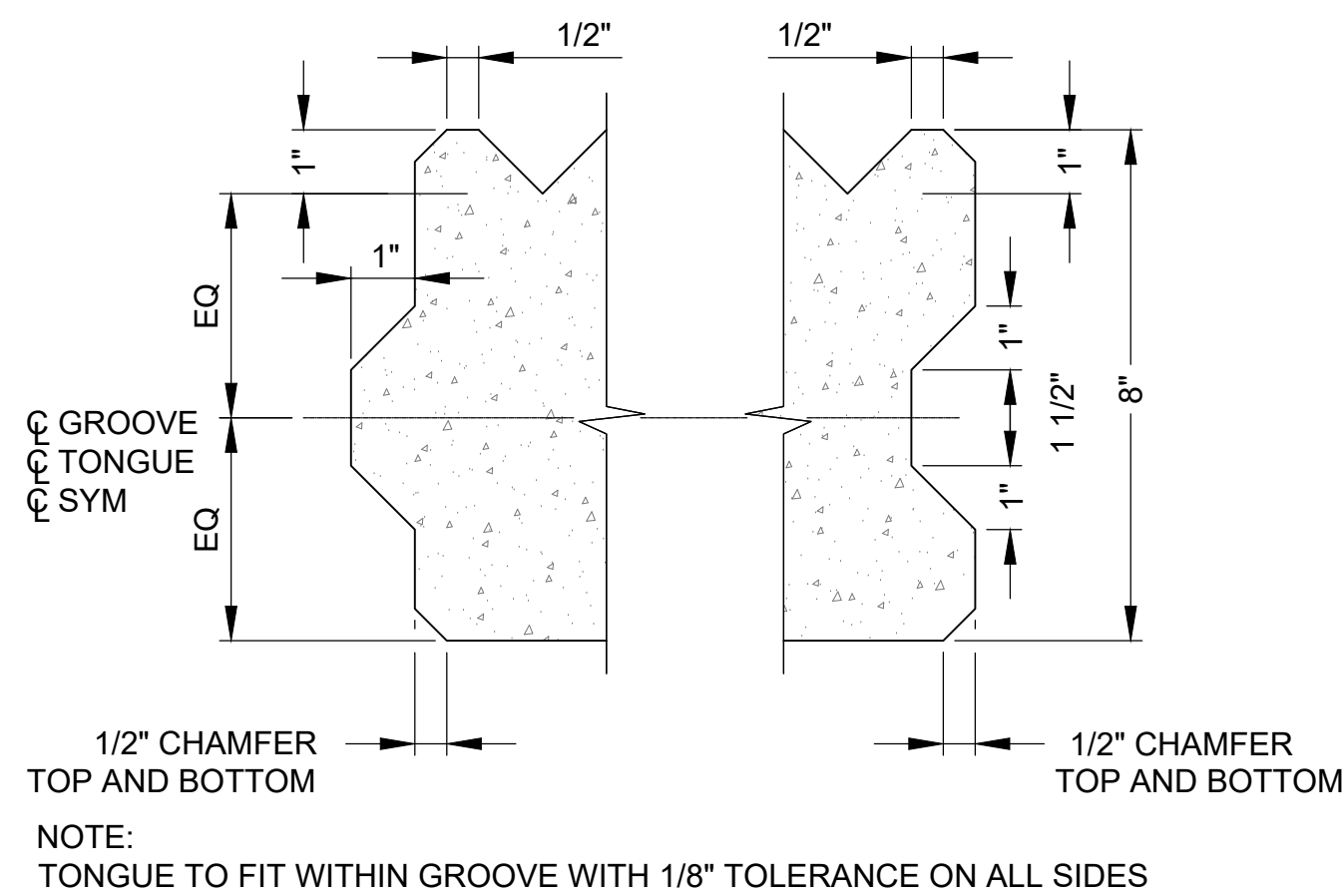
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Drawn	T. Morrison		Coordination	T. Morrison	
Dwg check	S. McMahon		Approved	E. Edgecomb	
Scale at ANSI D	Status		Rev	Security	
As Shown					
Drawing Number					
SW5.02					

1. PANEL FABRICATOR TO VERIFY THAT V-GROOVE SURFACE FINISH WILL BE CONTINUOUS BETWEEN PRECAST PANELS, PROVIDED PANELS ARE PROPERLY ALIGNED IN THE FIELD. MODIFY GROOVE ANGLE FROM THAT SHOWN IF REQUIRED, SUBJECT TO OWNER APPROVAL. MEDIUM BROOM SURFACE FINISH FOR ADA RAMP PANELS. ADA RAMP PANELS SHALL HAVE 1" CHAMFER ON EACH SIDE NOT AT THE TONGUE AND GROOVE SIDES.
2. PRECAST CONCRETE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF LIFTING POINTS. FABRICATOR TO COORDINATE WITH INSTALLATION CONTRACTOR PRIOR TO FABRICATION. LIFTING POINTS SHALL USE GALVANIZED STEEL.
3. CONTRACTOR DESIGNED LIFTING POINTS SHALL BE LOCATED WITHIN THE V-GROOVE FINISHED SURFACE.

1. EXCAVATED SUB BASE SHALL BE GRADED PRIOR TO GEOTEXTILE FABRIC AND FOUNDATION GRAVEL PLACEMENT.
2. FOUNDATION GRAVEL BASE IS COMPOSED OF TWO 6 INCH THICK LIFTS.

1. EXCAVATE, GRADE, AND PREPARE SUB BASE.
2. INSTALL GEOTEXTILE FABRIC.
3. PLACE FOUNDATION GRAVEL (WSDOT CLASS A) AND COMPACT.
4. INSTALL BOAT RAMP AND ADA RAMP STEEL FRAME.
5. PLACE FOUNDATION GRAVEL TO FINISHED ELEVATION AND GRADE FOUNDATION GRAVEL SO AS TO ALLOW THE CONCRETE PANELS TO SLIDE ON THE SURFACE OF THE STEEL FRAME.
6. INSTALL PRECAST PANELS. THE PRECAST PANELS SHALL BE SET ON THE STEEL FRAME AND SLID DOWN. THE FIRST PANEL SHALL BE SLID DOWN UNTIL FULL CONTACT WITH END STOPS. SUBSEQUENT PANELS SHALL BE SLID DOWN THE FRAME AND ALIGNED SUCH THAT THE TONGUE AND GROOVE JOINT IS POSITIVELY LOCKED INTO PLACE. THE PANELS SHALL BE PLACED SUCH THAT THE V-GROOVE SURFACE FINISH PATTERN IS ALIGNED BETWEEN ADJACENT PANELS. PANELS OFFSET MORE THAN 1/4" FROM THE AVERAGE PANEL EDGE OR ADJACENT PANEL EDGES SHALL BE BROUGHT BACK INTO CONFORMANCE PRIOR TO CASTING THE CAST-IN-PLACE CLOSURE POUR. USE OF DIVERS WILL BE REQUIRED.
7. ALIGN CENTER OF ACBM WITH CENTER OF ABUTMENT. TOP SURFACE OF ACBM SHALL MATCH ADJACENT FINISHED RAMP SURFACE UNLESS NOTED OTHERWISE.
8. DRIVE ANCHORS THROUGH ACBM. SET AND TENSION ANCHORS THEN SECURE CABLES. SEE DETAILS FOR ACBM INSIDE AND END INSTALLATION.
9. FILL VOIDS OF ACBM WITH 3/8" CLEAN CRUSHED GRAVEL.



NOTES:

1. REINFORCEMENT IN CIP CONCRETE BOAT RAMP NOT SHOWN FOR CLARITY.
2. REFERENCE DETAIL E THIS SHEET FOR MORE INFORMATION.

CONCRETE

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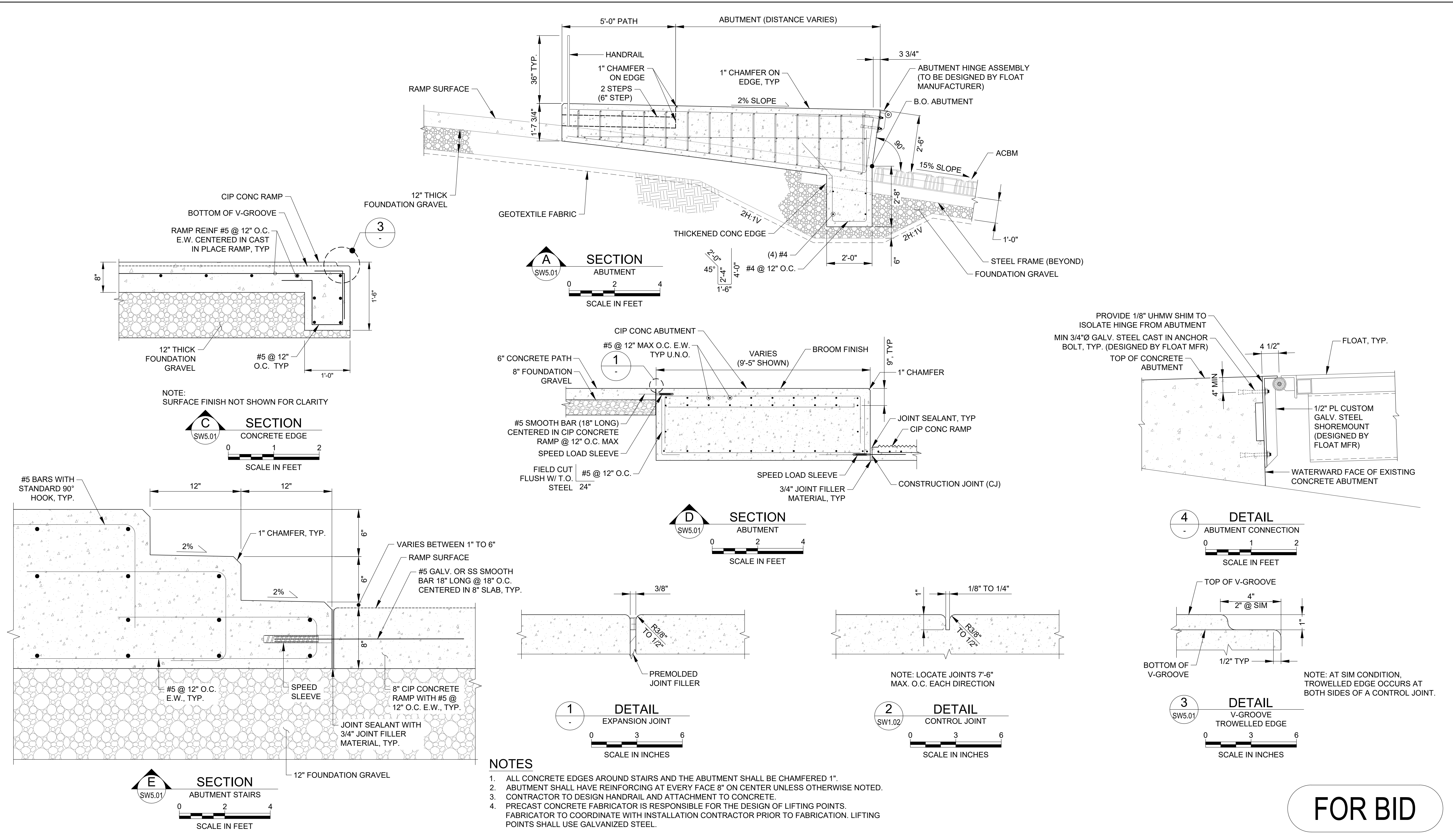
Project Number	507106437
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Total	33
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Designed	L. Colby		Eng check	E. Edgecomb	
Drawn	T. Morrison		Coordination	T. Morrison	
Dwg check	S. McMahon		Approved	E. Edgecomb	
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Drawing Number					
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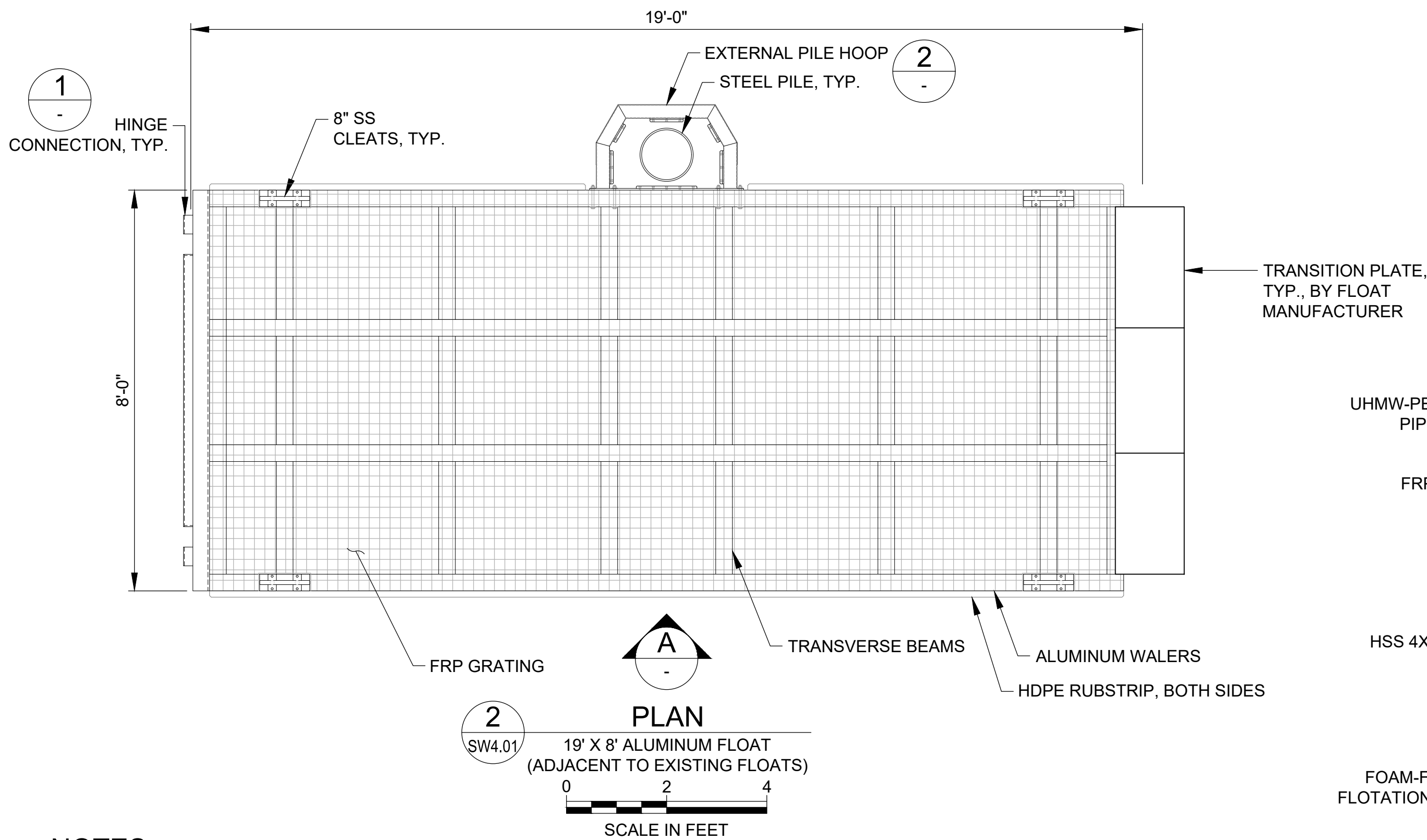
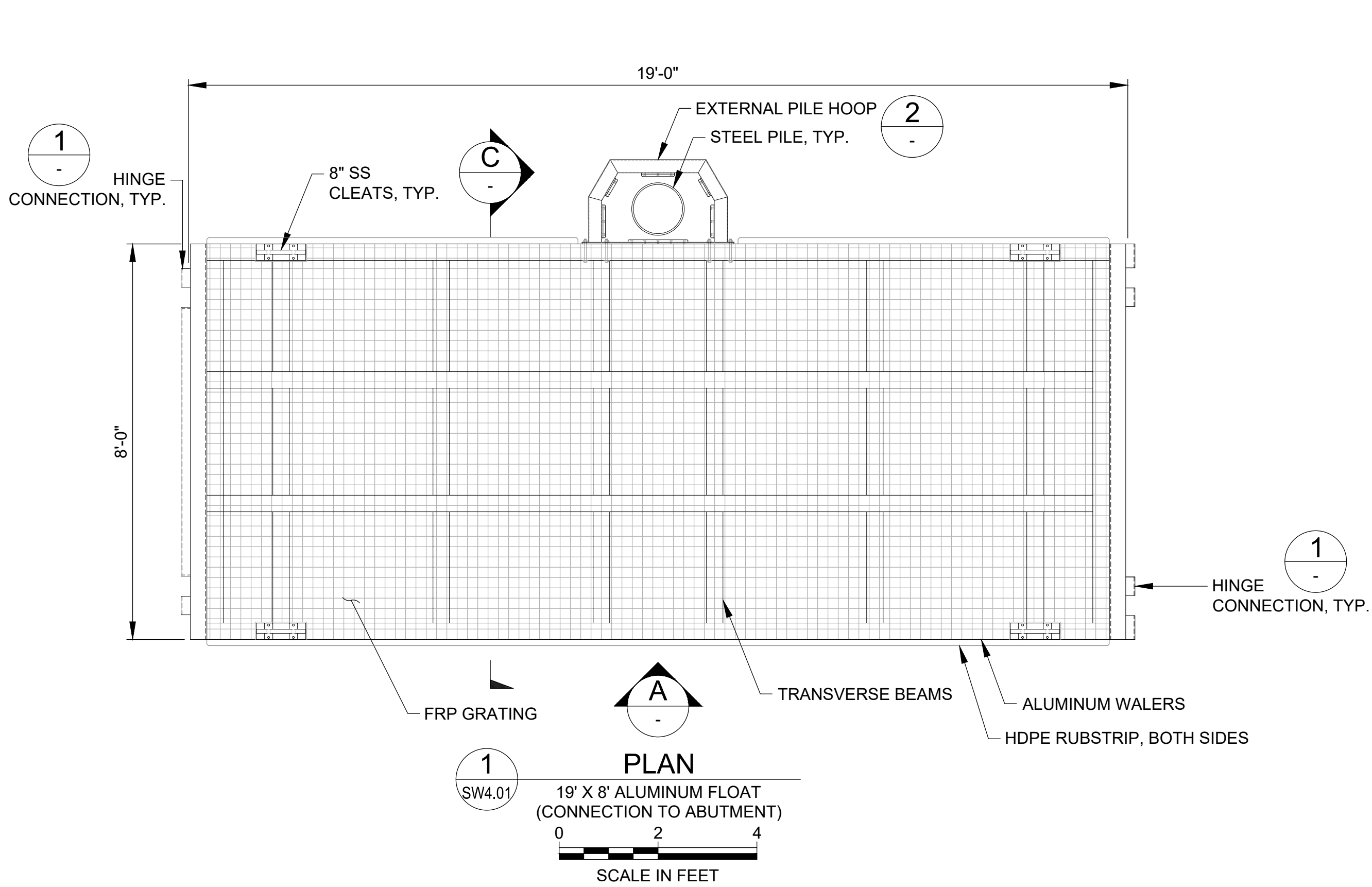
BOAT RAMP PRECAST PANEL DETAILS

FOR BID

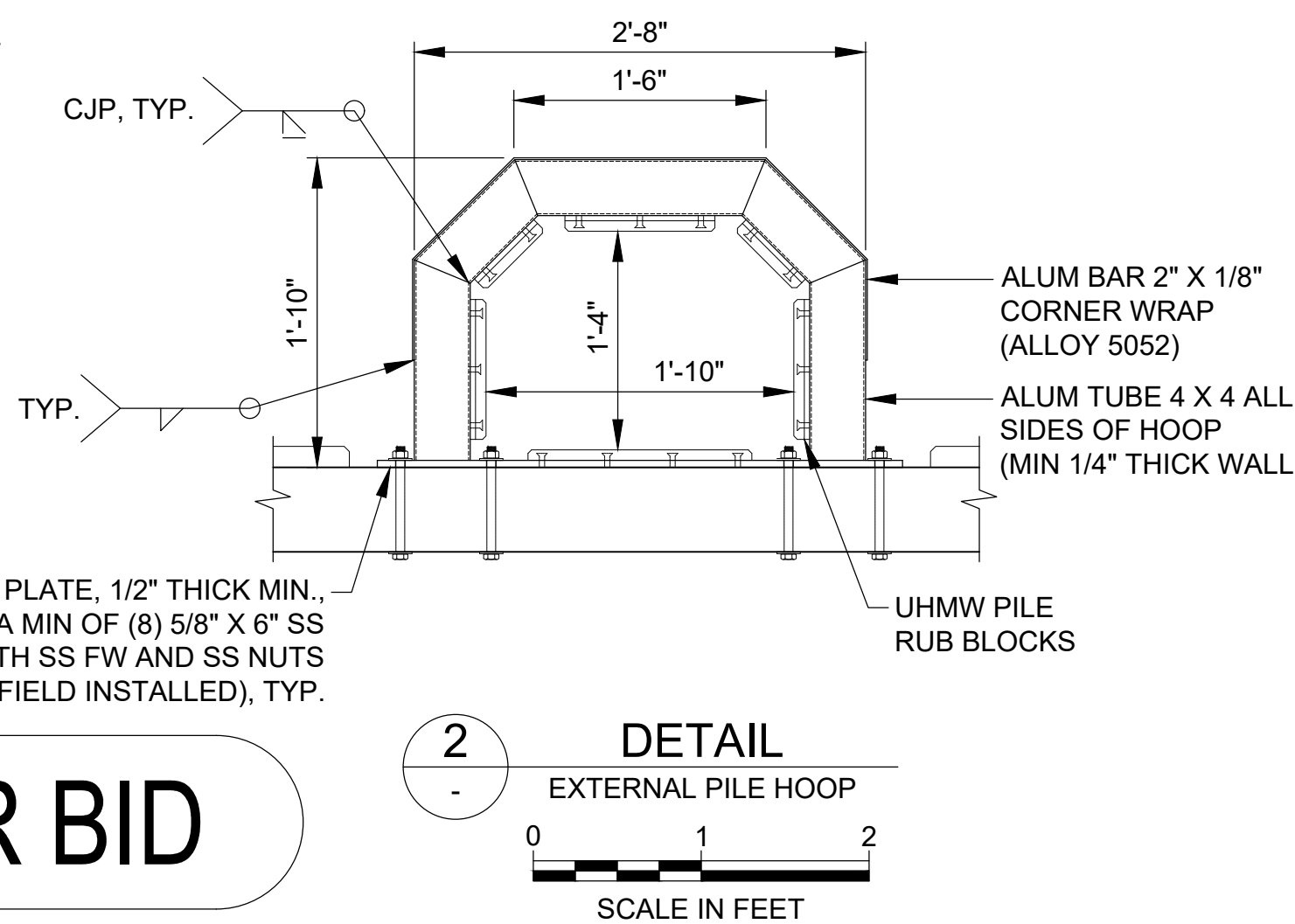
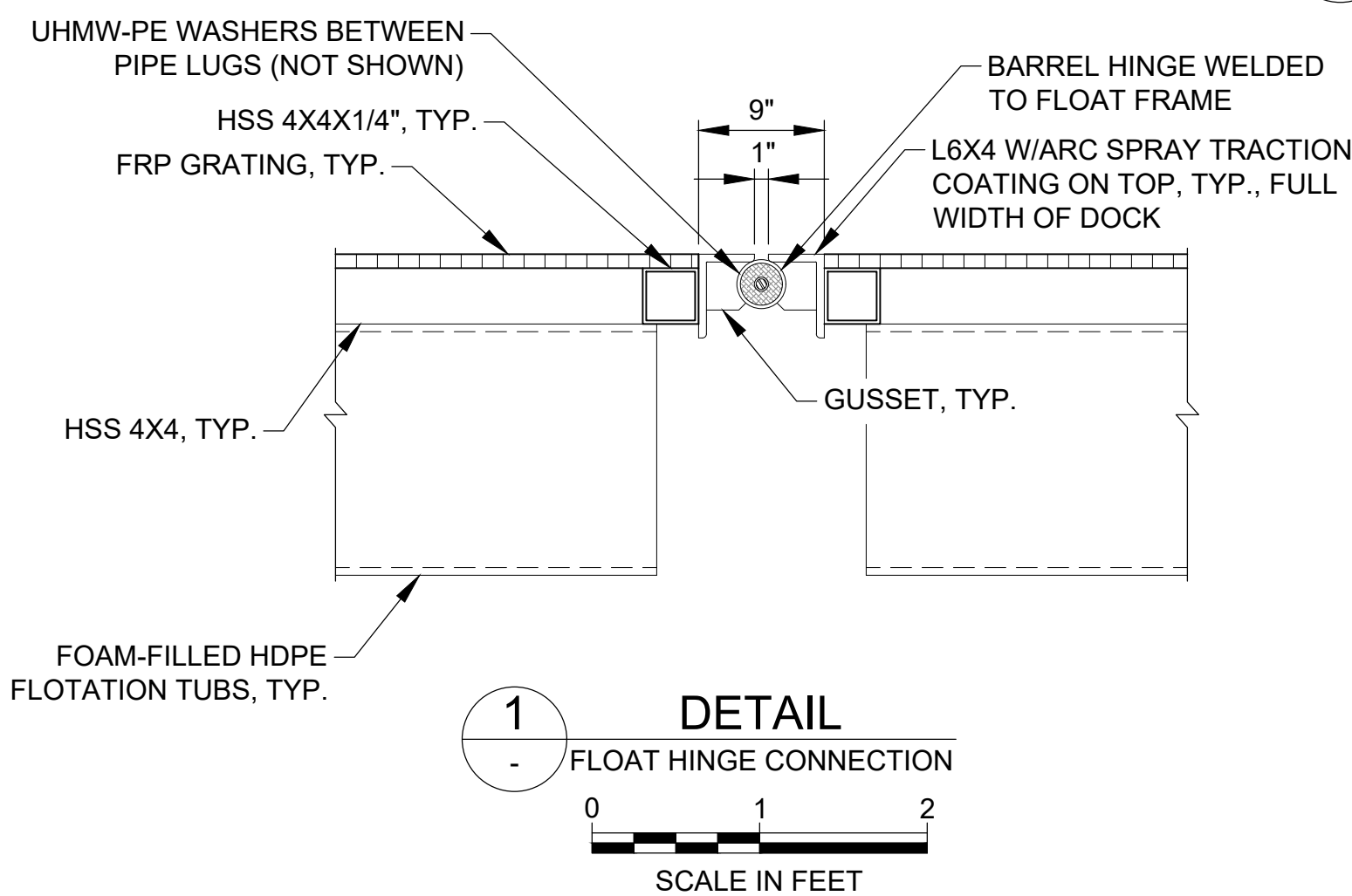
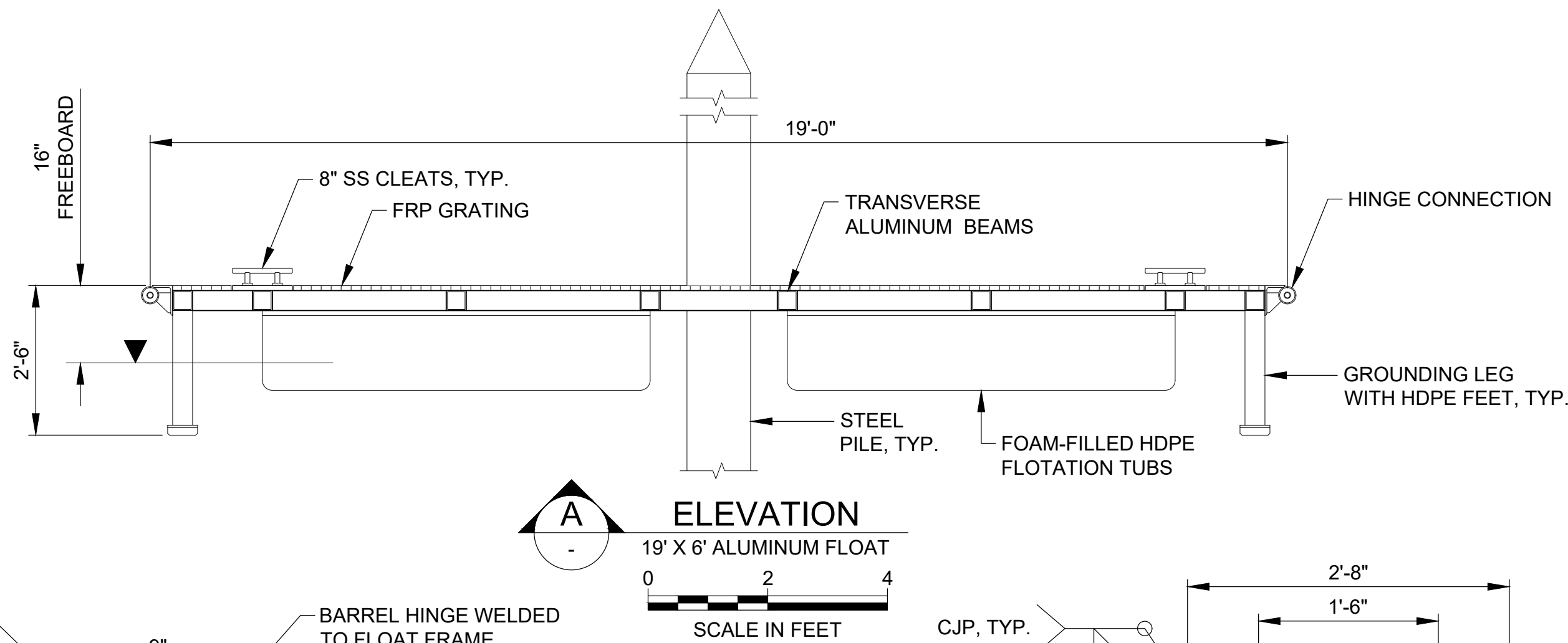
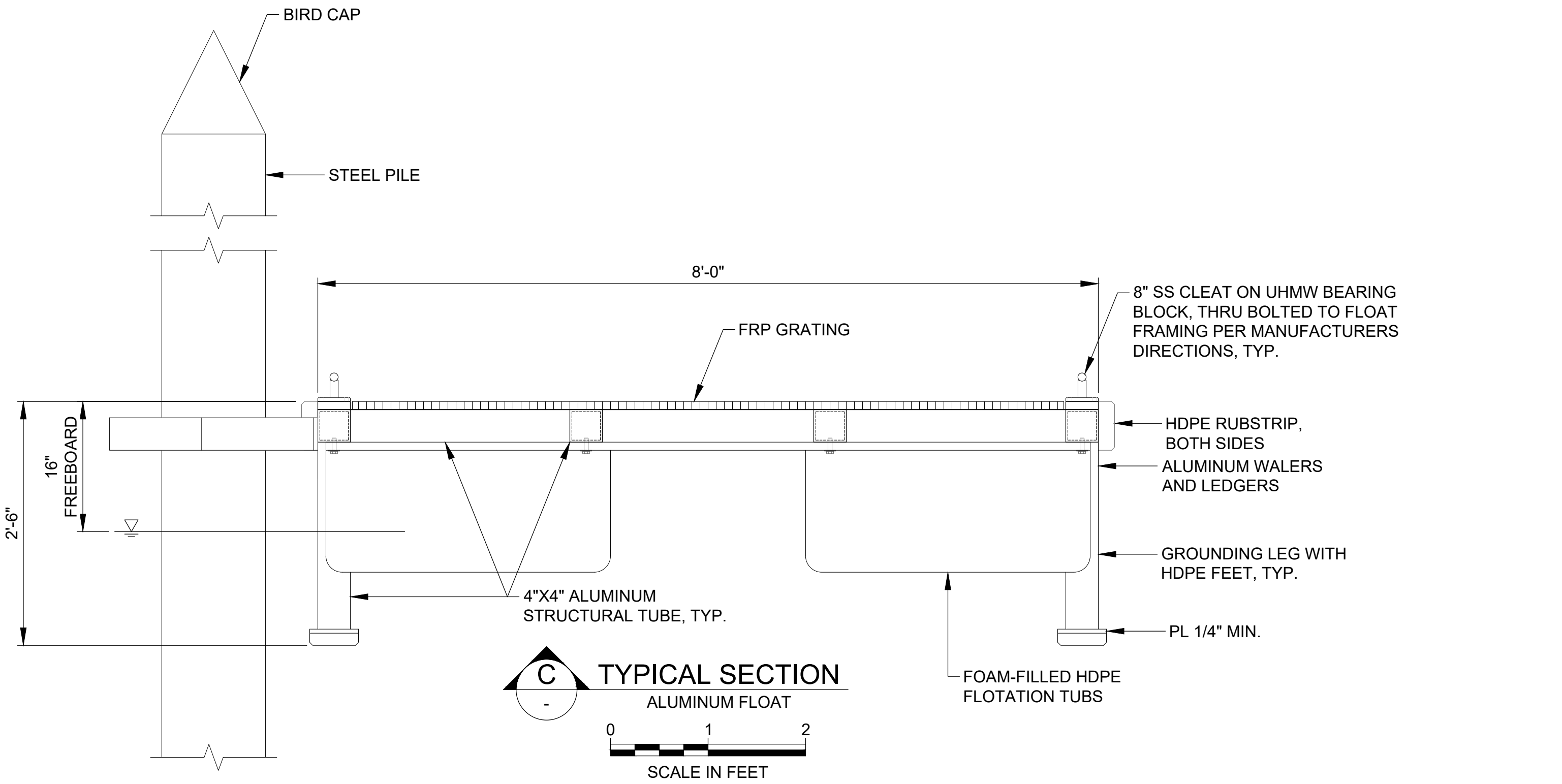


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0		9/4/26		TM		FOR BID		LC		EE		Rev		Date		Drawn		Description		Ch'k'd		App'd																			



- NOTES**
1. FINAL FLOAT DESIGN AND CALCULATIONS TO BE PERFORMED BY THE CONTRACTOR.
 2. FLOAT FRAMING TO BE FABRICATED FROM ALUMINUM HSS 4X4, 1/4" MINIMUM WALL THICKNESS U.N.O.



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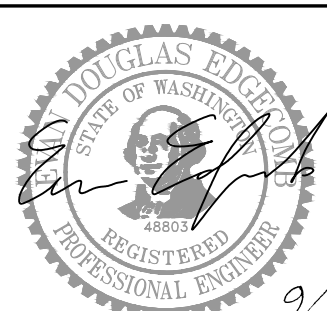
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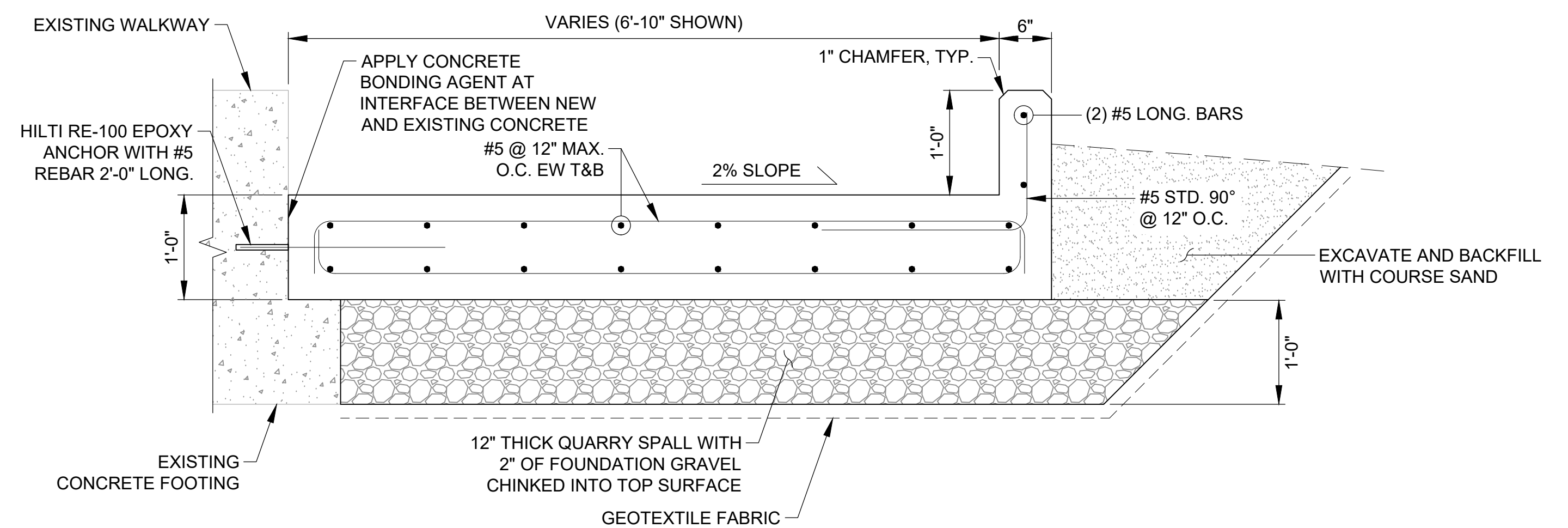
B/O
27

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Designed	L. Colby	Eng check	E. Edgecomb
Drawn	T. Morrison	Coordination	T. Morrison
Dwg check	S. McMahon	Approved	E. Edgecomb
Scale at ANSI D As Shown	Status	Rev	Security
Drawing Number	SW5.05		

Title
**Angle Lake Park
Waterfront Improvements**

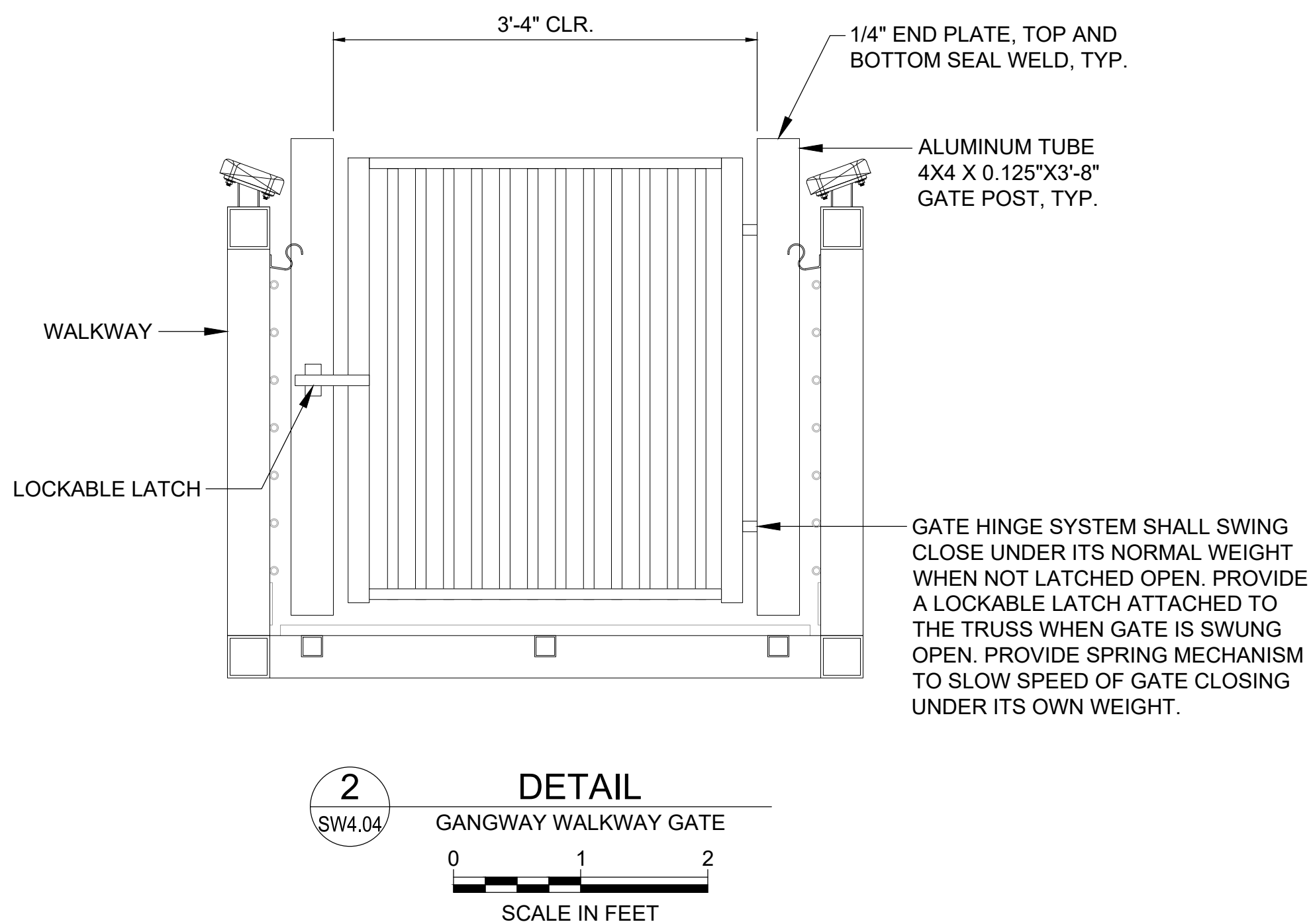
FLOAT DETAILS



SECTION C
SW4.04

RAMP AT LOWER LANDING

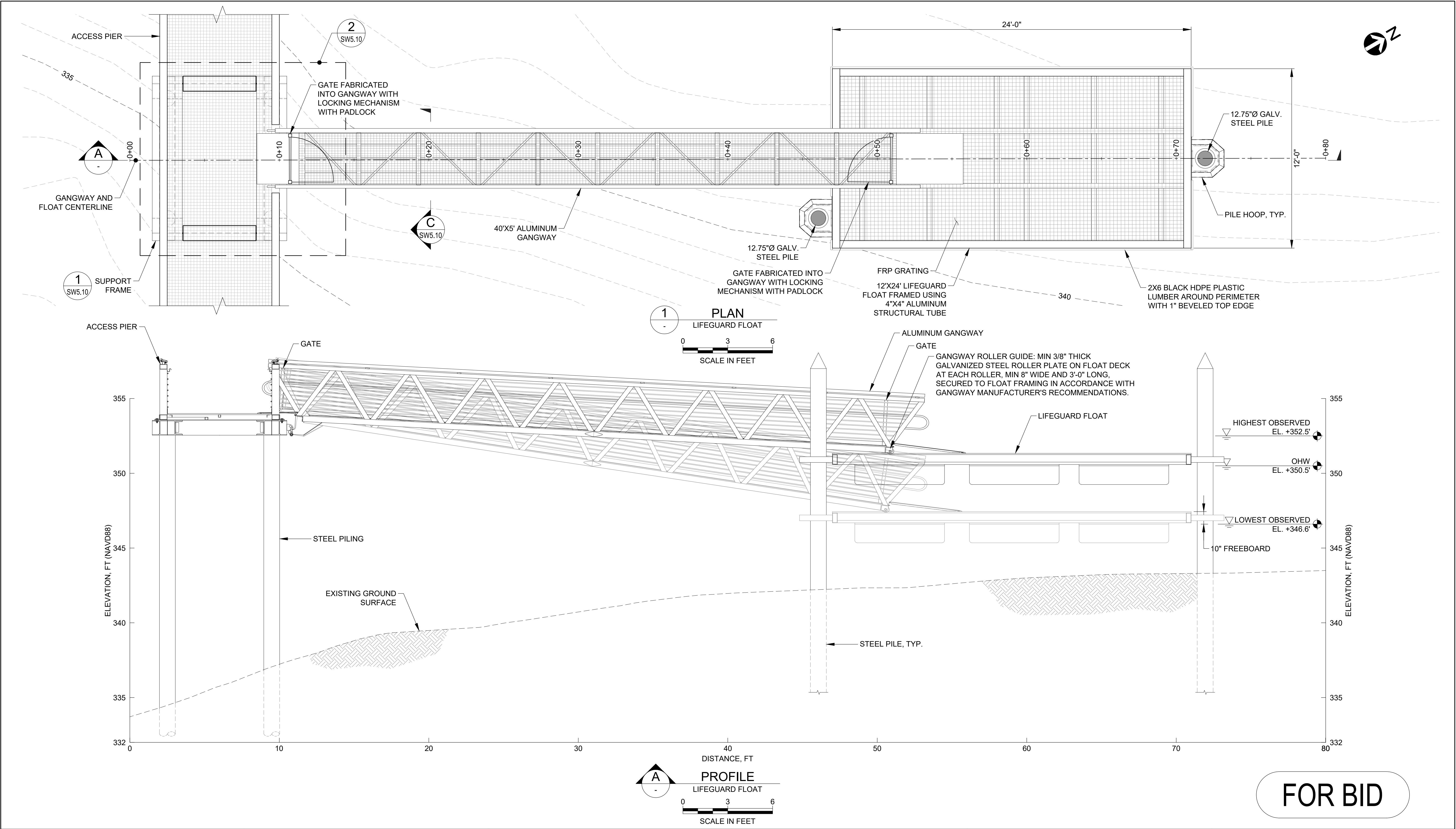
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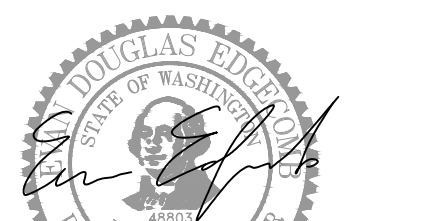
1. GATE SHALL OPEN TOWARD THE LIFEGUARD FLOAT AND LOCK TO ALUMINUM ADA RAMP FRAMING WHILE OPEN OR CLOSED.
2. HINGES SHALL BE INSTALLED ON EAST SIDE.
3. ALUMINUM FABRICATOR SHALL COORDINATE WITH GATE MANUFACTURER TO DETERMINE ACTUAL GATE WIDTH TO FIT CLEAR DISTANCE SHOWN.
4. GATE AND HARDWARE SHALL BE MILL FINISH.
5. GATE AND HARDWARE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
6. GATE SHALL BE INSTALLED PRIOR TO SHIPPING ALUMINUM SECTION TO SITE TO ENSURE FIT-UP. DETACH GATE DURING TRANSPORT.
7. SHIM AND SLOT HOLES AS NEEDED TO PROVIDE A FLUSH BEARING SURFACE BETWEEN CONNECTING STRUCTURAL ELEMENTS. CONTRACTOR SHALL COORDINATE WITH ALUMINUM FABRICATOR TO ENSURE RAMP SECTION CAN BE INSTALLED AS SHOWN.
8. PROVIDE SLIP CRITICAL CONNECTIONS FOR SLOTTED HOLES.
9. PROVIDE HANDRAIL ON THE GATE TO CREATE A CONTINUOUS GRIPPING SURFACE.

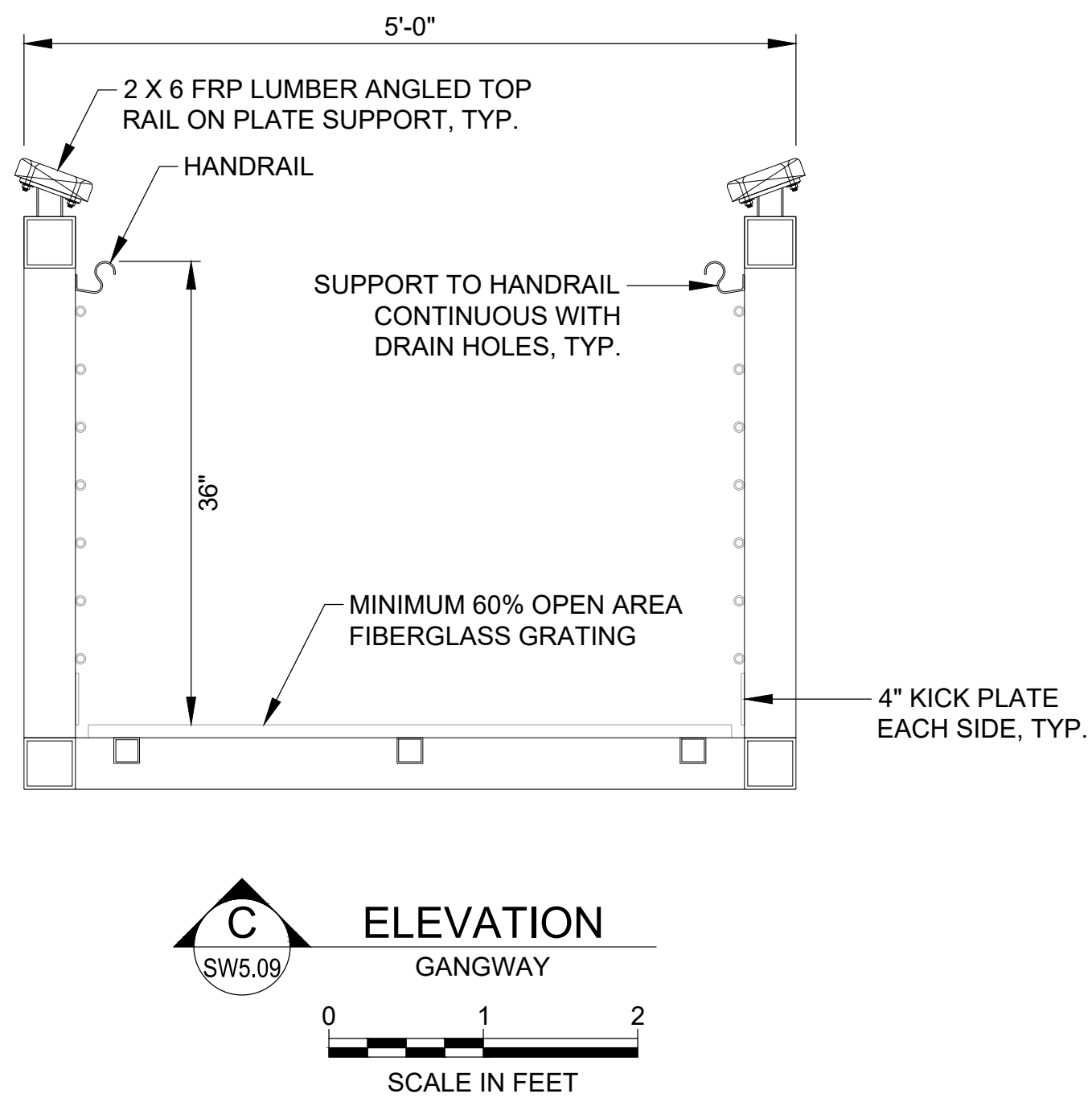
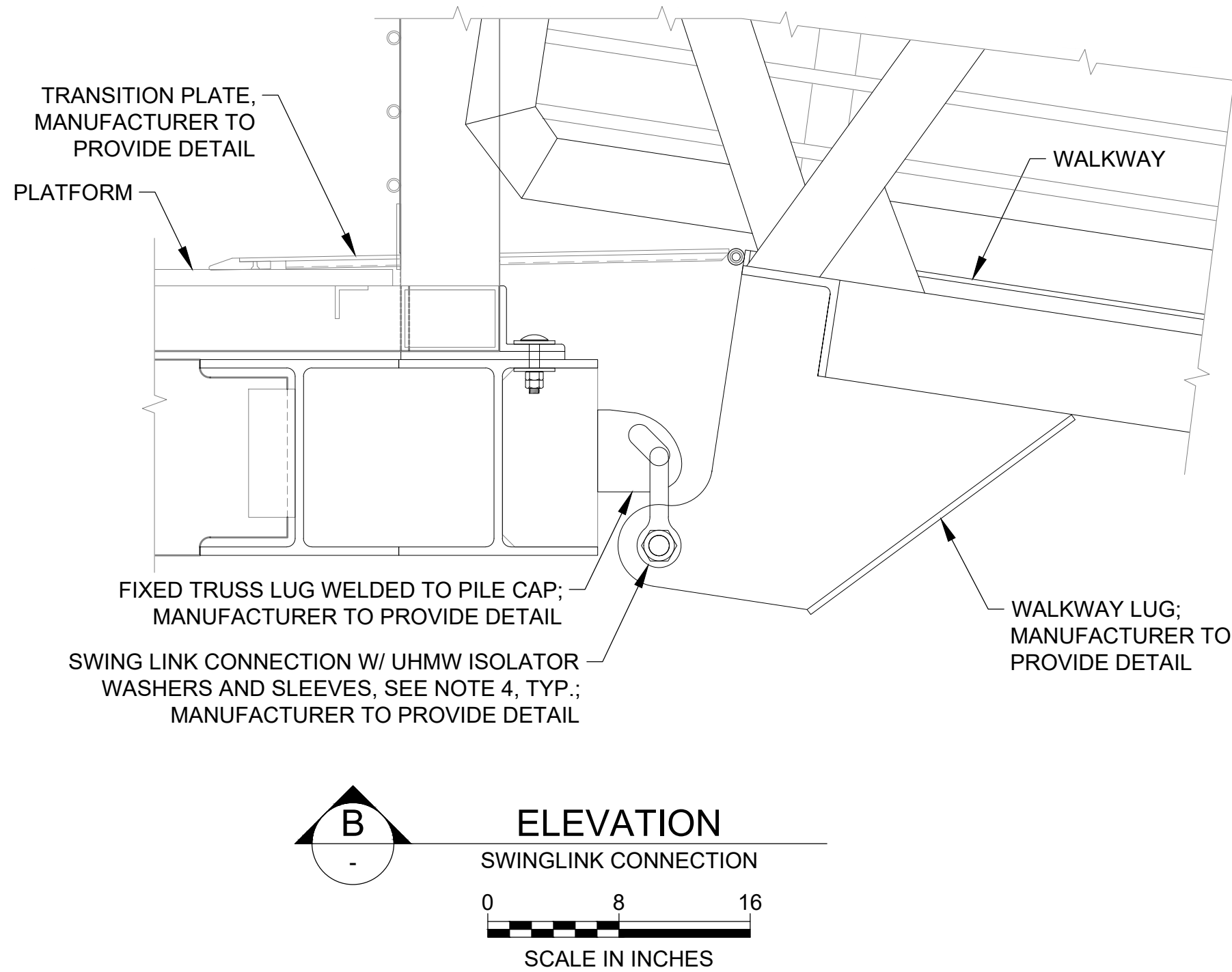
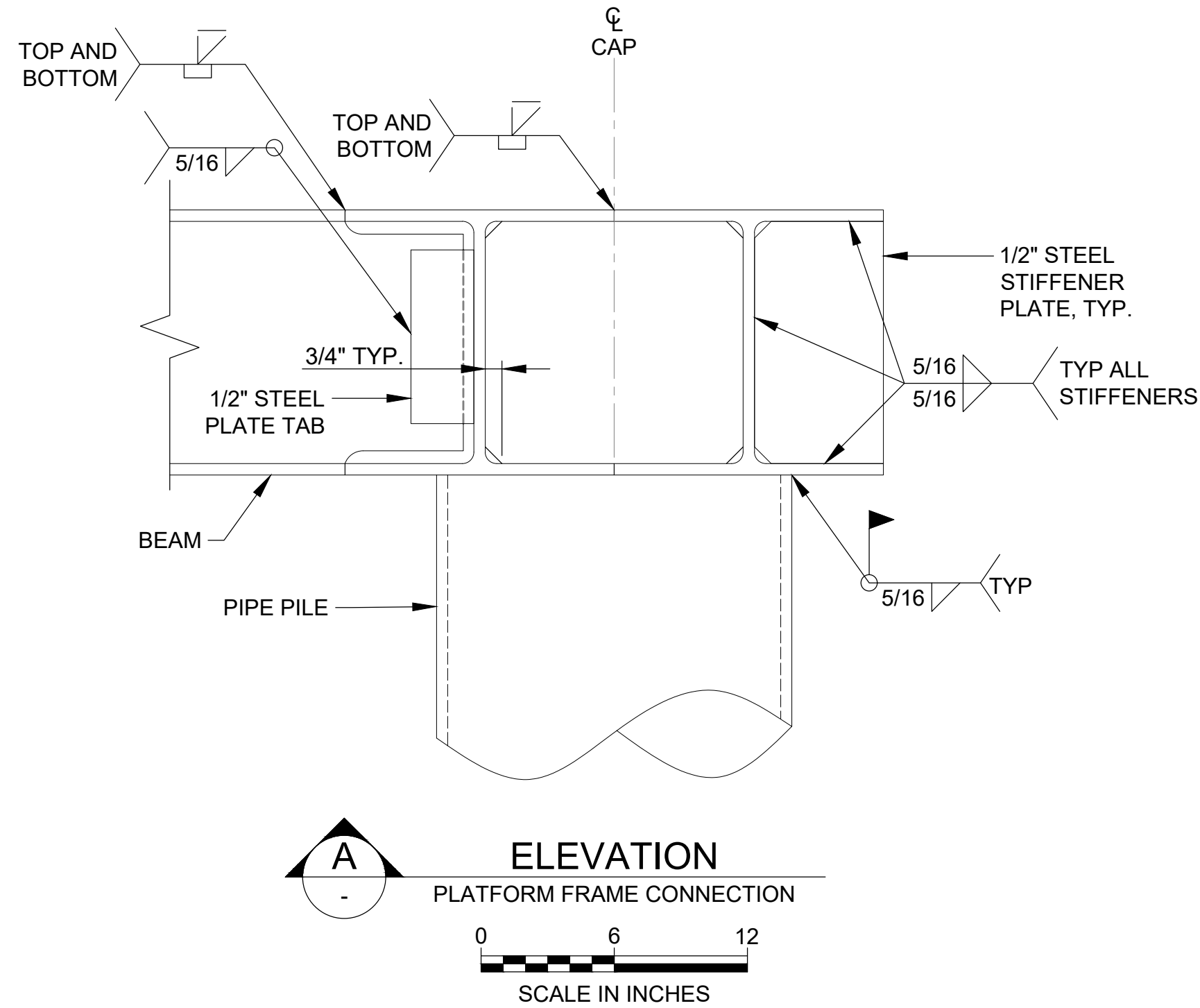
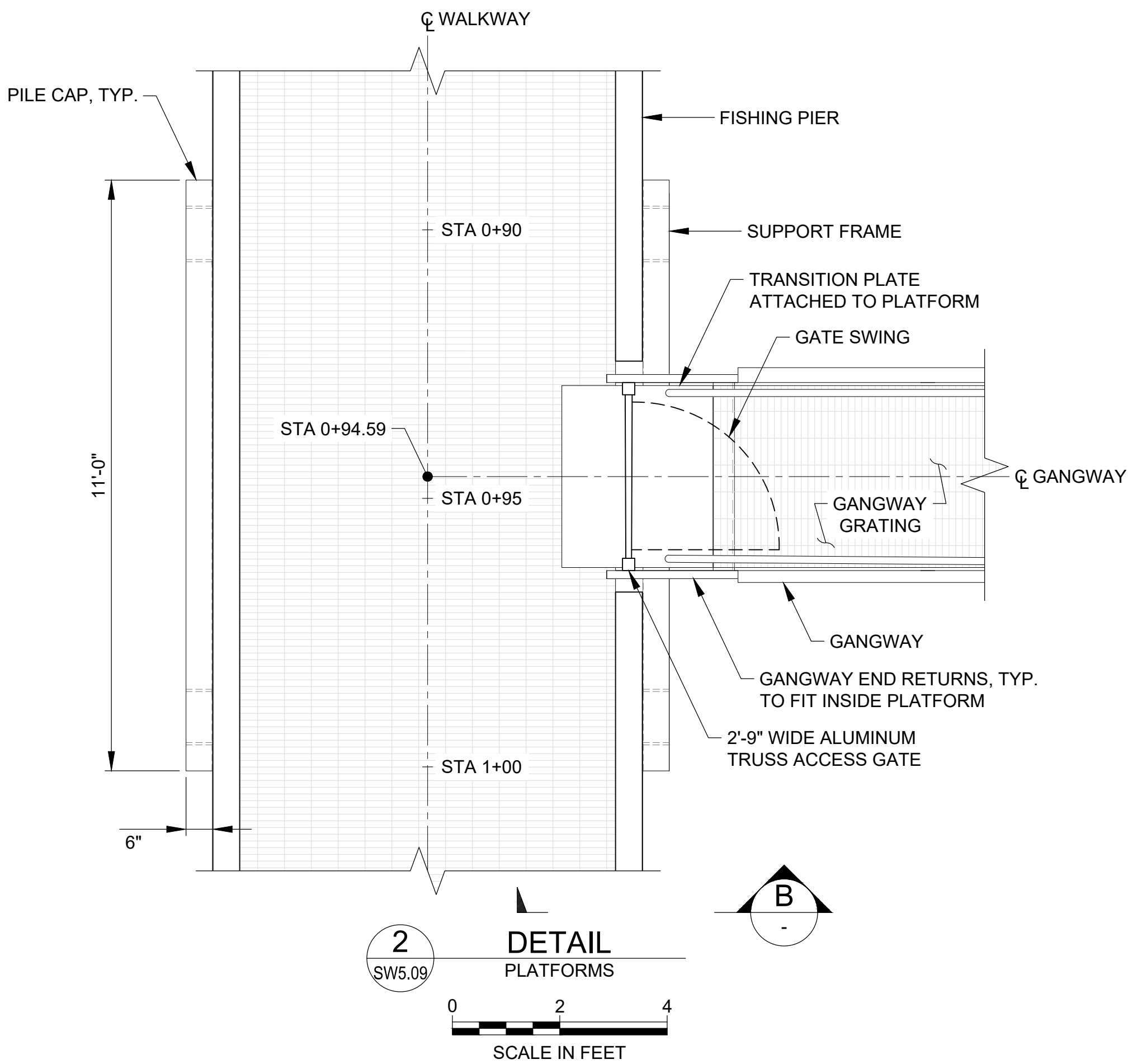
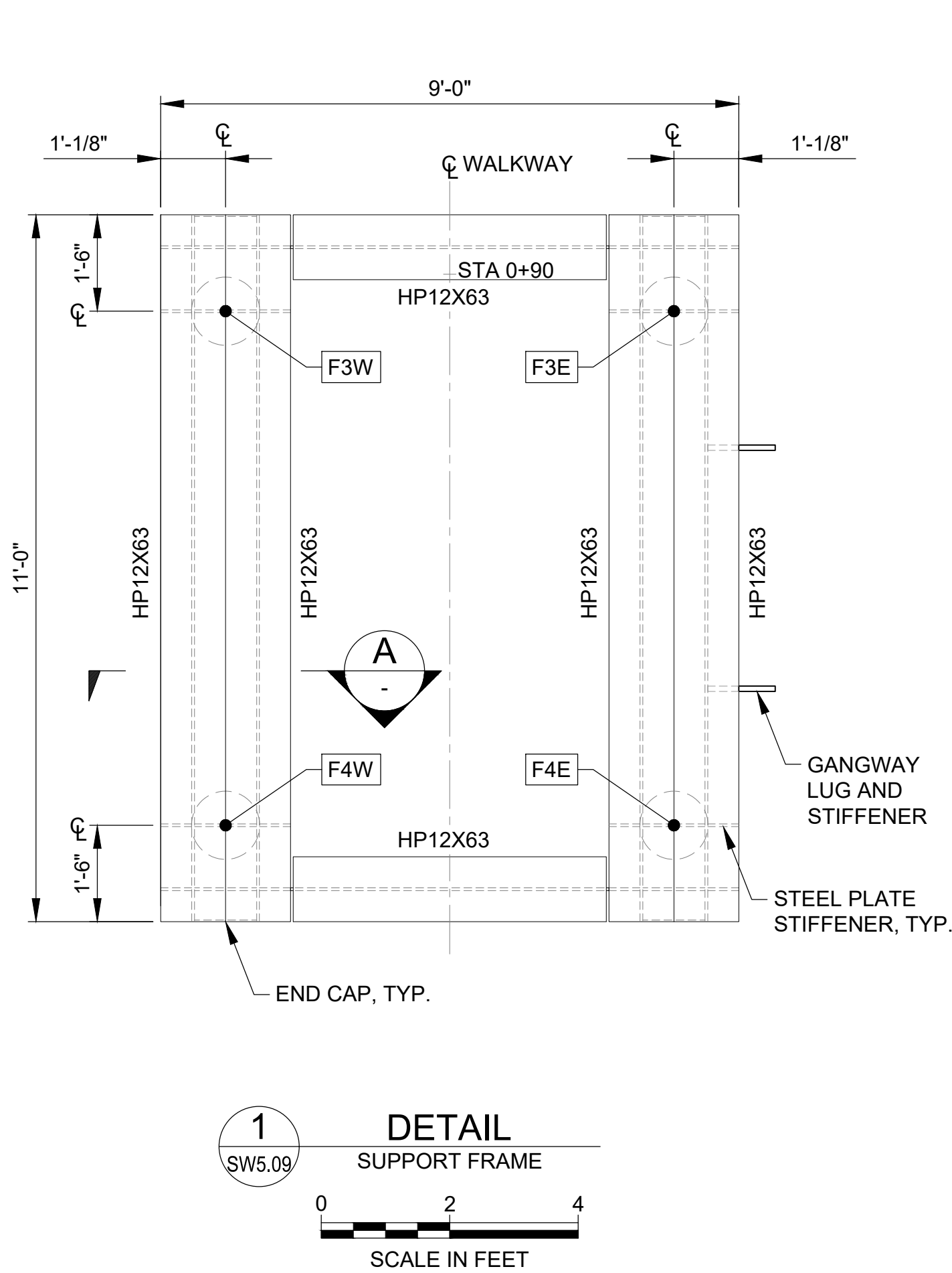
SWIM ACCESS DETAILS

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		Drawn	T. Morrison	9/4/26	Coordination	T. Morrison	9/4/26								
		Dwg check	S. McMahon	9/4/26	Approved	E. Edgecomb									
		Scale at ANSI D 1" = 3'		Status		Rev	Security								
		Project Number 507106437		B/O 31		Total 33		Drawing Number SW5.09							
		Rev	Date	Drawn	Description	Ch'k'd	App'd								



NOTES

- CONTRACTOR IS RESPONSIBLE FOR ENSURING WALKWAY AND GANGWAY CAN FUNCTION AT ALL WATER ELEVATIONS, AND THAT 4" MAX OPENING IS MAINTAINED.
- STEEL FRAMING AND CONNECTIONS TO BE PREFABRICATED IN A SHOP UNLESS NOTED OTHERWISE.
- THE ALUMINUM TRUSS ACCESS GATE SHALL BE FABRICATED TO BE FULL HEIGHT OF THE ADJACENT TRUSS. THE GATE SHALL BE ON A SPRING LOADED HINGE TO KEEP SHUT AND SHALL SWING INWARD. THE GATE SHALL ALSO INCLUDE A LATCH THAT CAN BE LOCKED.
- PERFORMANCE CRITERIA:
 - GANGWAY AND WALKWAYS ARE DESIGN-BUILD BY MANUFACTURER TO MEET TECHNICAL SPECIFICATIONS.
- SEE SHEET SW1.01 FOR PILE SCHEDULE.
- GANGWAY AND ITS CONNECTIONS SHALL BE DESIGNED TO ACCOMMODATE FULL RANGE OF MOTION BETWEEN THE DESIGN WATER LEVELS.
- SWING LINK PIN SHALL BE STAINLESS STEEL AND SHALL BE BILLETED AS A SINGLE PIECE. WELDED HEADS ARE NOT ALLOWED ON THE PIN. TYPICAL ALL SWING LINK PINS.

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Title
**Angle Lake Park
Waterfront Improvements**

PILE CAP DETAILS

