

**Meeting of the Central Valley Flood Protection Board
August 24, 2018**

Permit Staff Report

**City of West Sacramento
Raley's Boat Dock Replacement, Yolo County**

1.0 – ITEM

Consider approval of Permit No. 19032 (Attachment B).

2.0 – APPLICANT

City of West Sacramento (City)

3.0 – PROJECT LOCATION

The project is located on the right (west) bank of the Sacramento River, approximately 700-feet upstream of the Tower Bridge in the City of West Sacramento.
(Sacramento River, Yolo County, see Attachment A).

4.0 – PROJECT DESCRIPTION

The City proposes to replace a boat dock that was removed in 2012 due to disrepair, known as the Raley's Dock, with an ADA compliant replacement dock. The replacement dock will include a downriver section (berthing dock) that will be 25-foot wide and 60-foot long and an 8-foot wide and 372-foot long upriver section for a total dock length of 432-feet. The project includes a 235-foot long debris deflector boom, gangways, access ramp, and electrical conduit for lighting.

5.0 – AUTHORITY OF THE BOARD

California Water Code § 8534, 8590 – 8610.5, and 8700 – 8710

California Code of Regulations, Title 23, Division 1 (Title 23):

- § 6, Need for a Permit
- § 13, Evidentiary Hearings
- § 112, Streams Regulated and Nonpermissible Work Periods
- § 127, Boating Facilities

6.0 – PROJECT ANALYSIS

The Raley's Boat Dock was originally constructed by the Raley's Corporation. Documentation from the Regulatory Branch of the U.S. Army Corps of Engineers (USACE) 404 indicates that the dock was permitted in 1981 by USACE 404 (Public Notice 7534C, see Attachment D). However, no records could be found that would indicate an encroachment permit was ever issued for the boat dock. Records show that Reclamation Board staff (now Central Valley Flood Protection Board or Board) sent a letter to Mr. Raley, dated November 24, 1981, stating that the proposed project would be located within the jurisdiction of the Board and an encroachment permit application would be required; no application was ever received.

Initially, the dock was used exclusively by the Raley's Corporation, but later it was also used as a boarding stop for the Elizabeth Louise, a steam-powered paddlewheel boat. The dock was also used as a stop for the River Otter Taxi service. All use of the dock was discontinued in the early 2000's, and it quickly fell into a state of disrepair. In 2011, the Board issued a Notice of Violation (NOV) to the State Lands Commission (SLC) stating that the dilapidated dock and gangway must be removed due to safety concerns. The SLC manages public trust lands of the State, which includes the beds of navigable rivers such as the Sacramento River. Due to the NOV the Raley's Corporation ceded its dock lease with the SLC and turned over control of the dock to the City. The City had the dock and gangway removed in 2012 to comply with the NOV. Currently, only the pile structures remain and all associated features have been removed.

The City proposes to build a replacement dock that is open to the public, meets current building and safety standards, and is accessible and compliant with the requirements of the Americans with Disabilities Act (ADA). Private boats will be allowed to temporarily moor to the floating docks, which will be held in position by guide piles. The new dock will provide a new recreational and docking facility for small boats, water taxis, and other vessels. The new dock will meet current building codes and safety standards.

The replaced dock will be approximately 432 feet long. The downriver section (berthing dock) will be 25 feet wide and 60 feet long and the upriver section will be eight feet wide and 372 feet long. There will be 12-inch mooring cleats and pedestal lights along the dock. There are 24 existing steel guide piles within the channel, these piles include: twelve (12) 30-inch diameter piles, ten (10) 18-inch diameter piles, and two (2) 16-inch

diameter piles. One (1) of the existing 18-inch diameter piles along the longer upriver dock section will be removed and replaced. The berthing dock and upriver floating dock will attach to the existing piles with pile collars.

A 235-foot long debris deflector boom will be located approximately 60 feet from the upstream end of the floating dock and will extend at a 45-degree angle from the end of the dock towards the shore. An additional twelve (12) steel 20-inch diameter piles will be placed in the river to secure the debris deflector boom into place. The debris deflector boom would consist of two (2) 24-inch diameter high density polyethylene (HDPE) pipes stacked on top of each other and connected perpendicular to the steel piles. The upper pipe would be foam filled for floatation while the bottom pipe would be open and act as ballast. The pipes will be separated into six (6) 40-foot sections, with each section connecting to two steel piles. The boom will be designed to be free floating.

The gangway will consist of an upper and lower section; each will be five (5) feet wide and approximately 80 feet long. The gangways will connect at a pivot point with a transition plate. The gangway sections will be made from aluminum with a slip-resistant surface and have ADA-compliant handrails. There will be floatation boxes and cable pulleys that will allow the gangway to be adjustable for varying river water levels. Eight (8) existing 18-inch diameter piles that were used for the previous gangway will be removed and replaced with five (5) new 18-inch diameter piles. The new piles will be placed where the gangway attaches to the access ramp and at the gangway pivot point.

The access ramp on the levee will have a concrete deck. The access ramp will extend from the existing Raley's Landing portal and will be adjacent to the existing concrete walk that connects to River Walk Trail (Permit No. 16702). It will be elevated on posts above the ordinary high-water mark (OHWM) within the flood channel. The posts will be supported by cast-in-drilled-hole (CIDH) steel piles drilled into the levee slope. The piles used to support the access ramp will consist of small diameter steel piles (micropiles). Approximately thirty-two (32) 8-inch and two (2) 12-inch diameter micropiles will be placed in the levee using a rotary drill rig. The access ramp and handrails will be ADA code-compliant. The landing will have a lockable security gate located at the gangway entrance. An electrical conduit will be installed at the top of the levee to supply electricity for the dock lighting. All elements of the Raley's Boat Dock Replacement project will be in compliance with all Title 23 Standards.

6.1 – Hydraulic Analysis

A hydraulics analysis was performed using the USACE developed hydraulic model HEC-RAS. A one-dimensional unsteady flow hydraulic analysis was performed to

assess the impacts from the proposed project. The analysis compared existing conditions to with-project conditions. Cumulative impacts were also considered by including the Delta King in the geometry file of the model. The Delta King is a 285-foot long paddle wheel riverboat that is permanently moored on the river bank opposite the proposed project site. Model results indicate that with-project conditions, including cumulative impacts, will raise the design water surface elevation (DWSE) by approximately 0.07 feet. This projected rise in the DWSE due to the project is considered insignificant.

6.2 – Geotechnical Analysis

The proposed scope-of-work has minimal impact on the levee prism; therefore, a geotechnical analysis was not required.

7.0 – AGENCY COMMENTS AND ENDORSEMENTS

The comments and endorsements associated with this project, from all pertinent agencies, are shown below:

- State Maintenance Area No. 4 endorsed the project on May 5, 2015 with no conditions.
- The USACE 33 U.S.C. 408 approval letter has not yet been received for this application. Staff anticipates receipt of a letter indicating that the USACE Sacramento District Engineer approves the request to alter the Federal flood risk reduction project, subject to conditions. Upon receipt of the letter, staff will review to ensure its conformity with the permit language and incorporate it into the permit as Exhibit A.

8.0 – CEQA ANALYSIS

Board staff has prepared the following California Environmental Quality Act (CEQA) determination:

The Board, as a responsible agency under CEQA, has reviewed the Draft Initial Study/Mitigated Negative Declaration (IS/MND) (SCH Number: 2014022054, February 2014), Final Initial Study/Mitigated Negative Declaration (IS/MND) (SCH Number: 2014022054, May 2014) and Mitigation and Monitoring Reporting Program (MMRP) for

the Raley's Dock Replacement and Rice Mill Pier Rehabilitation Project prepared by the lead agency, the City of West Sacramento. These documents, including project design, may be viewed or downloaded from the Central Valley Flood Protection Board website at: <http://www.cvfpb.ca.gov/event/August-2018-board-meeting.cfm> under the link for this agenda item. These documents are also available for review in hard copy at the Board and the City of West Sacramento offices.

The City of West Sacramento determined that the project would not have a significant effect on the environment on November 19, 2014, and filed a Notice of Determination on December 19, 2014, with the Yolo County Clerk Recorder. The City West Sacramento incorporated mandatory mitigation measures into the project plans to avoid identified impacts or to mitigate such impacts to a point where no significant impacts will occur. These mitigation measures are included in the City of West Sacramento's IS/MND and MMRP and address impacts to biological resources, cultural resources, geology and soils, hazards and hazardous materials, hydrology and water quality, noise, and recreation. These mitigation measures are within the responsibility and jurisdiction of the City of West Sacramento and have been adopted by the City.

In accordance with CEQA Guidelines Section 15096(e), Board staff independently reviewed the City's IS/MND, and finds the City's environmental documents as the lead agency adequately address hydrology impacts/potential flood risk within the Board's jurisdiction. The Board, as a responsible agency, is responsible for mitigating and avoiding only the direct and indirect environmental effects of those parts of the project which it decides to carry out, finance, or approve (CEQA Guidelines § 15096(g); Public Resources Code § 21002.1(d)). The IS/MND identified less than significant impacts related to flood risk, which is the only resource area within the Board's jurisdiction. The IS/MND conclusions related to flood risk are further supported by the USACE HEC-RAS analysis relied upon by Board staff, which confirm the project will result in less than significant hydraulic/flood risk impacts. In accordance with CEQA Guidelines Section 15096(f) and (g), staff recommends the Board make responsible agency findings that approval of Permit No.19032 would not have a significant adverse impact and no additional mitigation measures within the Board's jurisdiction are required.

The documents and other materials which constitute the record of the Board's proceedings in this matter are in the custody of the Executive Officer, Central Valley Flood Protection Board, 3310 El Camino Ave., Suite 170, Sacramento, California 95821.

9.0 – CALIFORNIA WATER CODE SECTION 8610.5 CONSIDERATIONS

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

The Board will make its decision based on the evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

2. The best available science that relate to the scientific issues presented by the executive officer, legal counsel, the Department of Water Resources or other parties that raise credible scientific issues.

The accepted industry standards for the work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on facilities of the State Plan of Flood Control (SPFC), and consistency of the proposed project with the Central Valley Flood Protection Plan (CVFPP).

The proposed project will replace an existing feature that has been in place for many years. While the encroachment was never officially authorized by the Board, there have been no adverse effects on facilities of the SPFC while it was properly maintained. Therefore, it is reasonable to expect that the replaced dock would continue to have no adverse effects to the SPFC as it will be maintained by the City. In addition, the project is consistent with the CVFPP as the new boat dock will not impact levee performance and there will be no substantial increase in water surface elevation due to the replacement of the boat dock.

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

It is anticipated that there will be no negative effects from the new floating dock due to reasonable projected future events. The top of the new piles will be two feet above the levee crown elevation which is significantly higher than the original piles. This requirement will ensure that the new dock remains securely anchored during an extreme high-water event.

10.0 – STAFF RECOMMENDATION

Adopt:

- CEQA finding: The Board, acting as a responsible agency under CEQA, has independently reviewed and considered the environmental documents prepared for the project. Approving the Permit 19206 would not result in any significant adverse impacts related to flood risk and no additional mitigation measures within the Board's jurisdiction are required.

Approve:

- Draft Encroachment Permit No. 19032 in substantially the form provided in Attachment B; and,

Direct:

- The Executive Officer to take the necessary actions to execute the permit and file a Notice of Determination pursuant to CEQA with the State Clearinghouse.

11.0 – LIST OF ATTACHMENTS

- A. Location Maps and Photos
- B. Draft Permit No. 19032
- C. Project Drawings
- D. Public Notice 7534C

Design Review:	Gary W. Lemon, PE, Permitting Section Chief
Environmental Review:	James Herota, Senior Environmental Scientist
Document Review:	Kelly Soule, PE, Acting Operations Branch Chief
	Michael C. Wright, PE, Acting Chief Engineer
Legal Review:	Christina Morkner Brown, Deputy Attorney General

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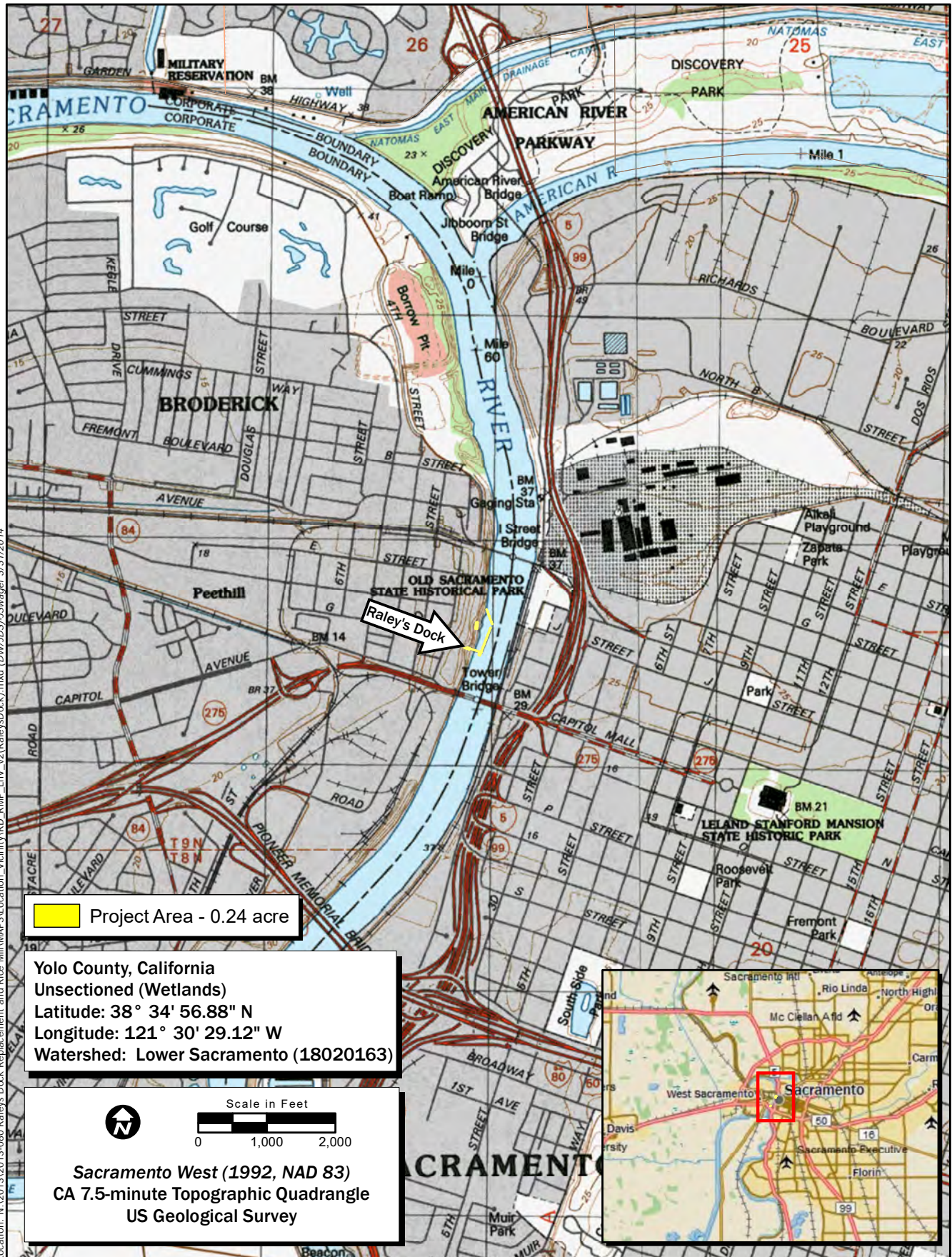
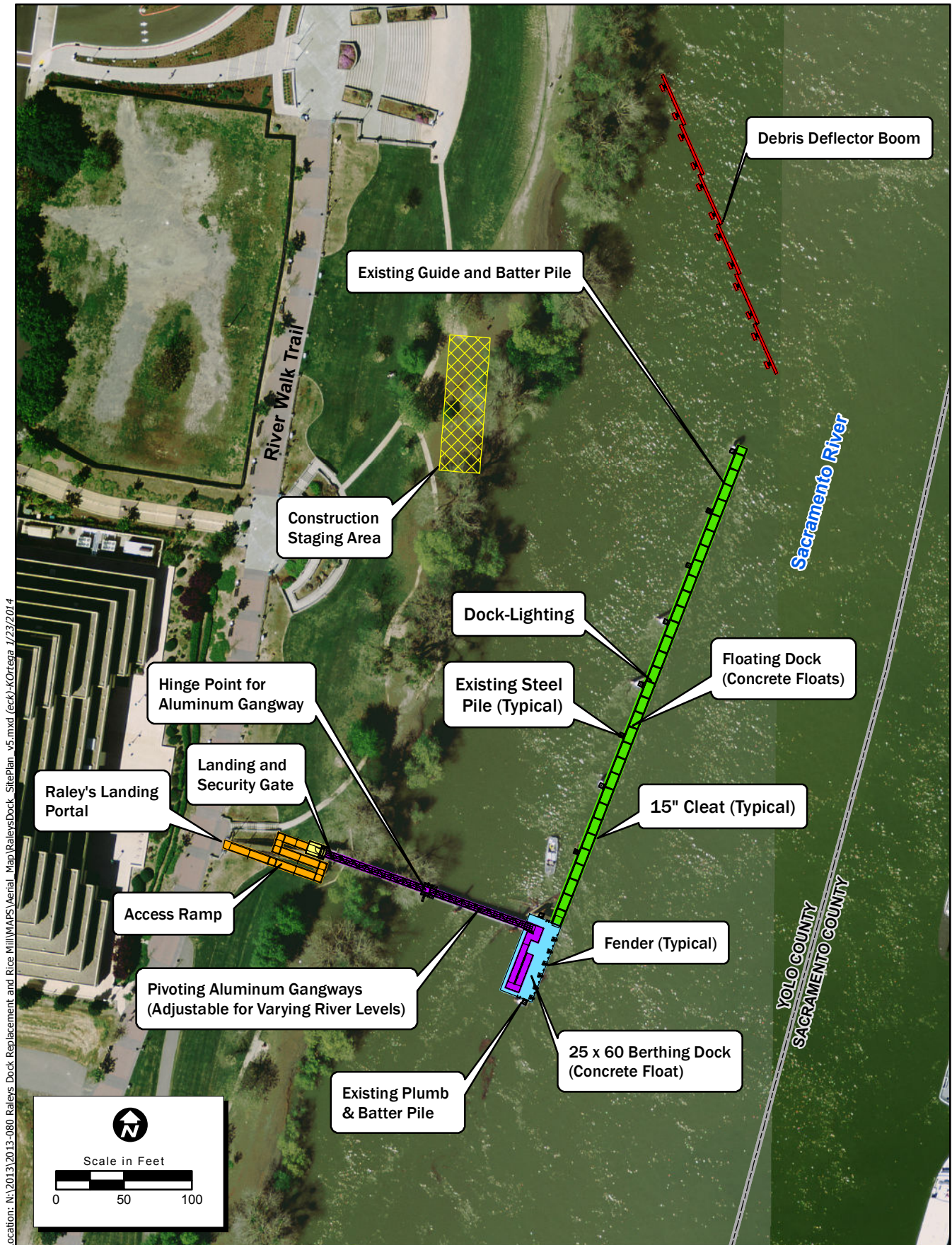


Figure 1. Project Location and Vicinity

2013-080 Raley's Dock Replacement



Map Date: 12/4/2013
 Photo Source: USGS 2011
 Base Data: Site plan provided by GHD



Figure 2. Riley's Dock Site Plan

2013-080 Riley's Dock Replacement and Rice Mill Pier Rehabilitation

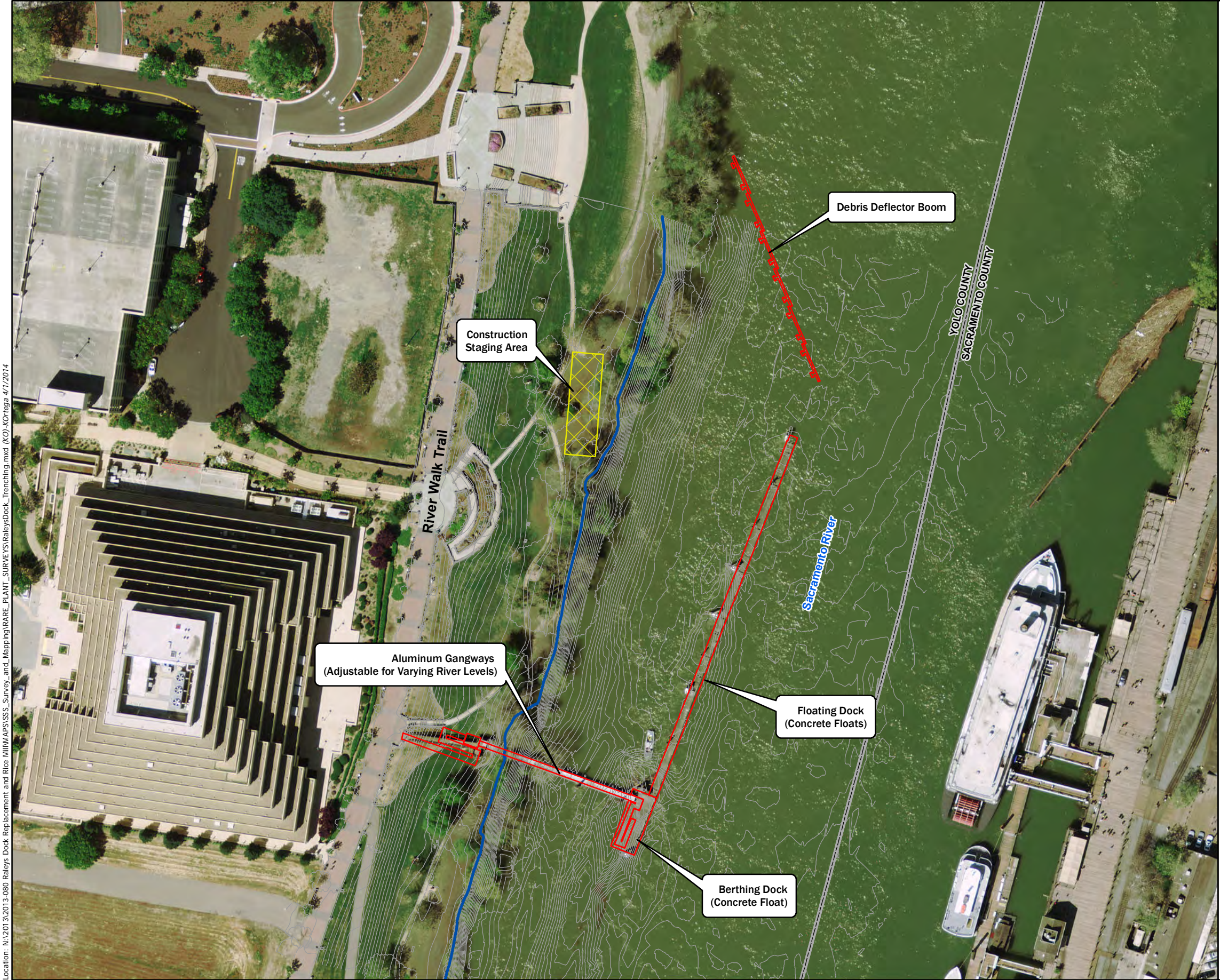
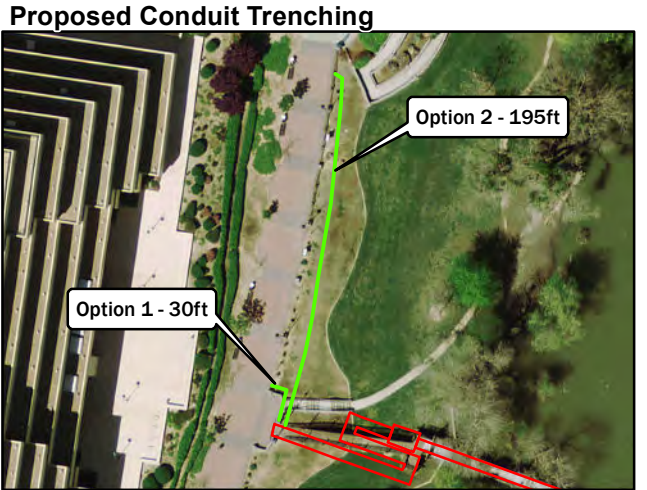


Figure 3. Raley's Dock Replacement Project Plan and Ordinary High Water Mark

- Map Features**
- Raley's Dock Project Components
 - Raley's Dock Staging Area
 - 19ft Topo Line (OHWM)
 - Proposed Conduit Trenching



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Photographs of Raley's Dock and Surrounding Areas



Overview of the Raley's Dock Project location and existing piles, view southeast towards Tower Bridge, 29 May 2013.



Overview of the Raley's Dock Project location and existing piles, view north towards I Street Bridge, 29 May 2013.

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DRAFT

STATE OF CALIFORNIA
THE RESOURCES AGENCY
THE CENTRAL VALLEY FLOOD PROTECTION BOARD

PERMIT NO. 19032 BD

This Permit is issued to:

City of West Sacramento
1110 West Capitol Avenue
West Sacramento, California 95691

To replace a boat dock that was removed in 2012 due to disrepair, known as the Raley's Dock, with an ADA compliant replacement dock. The replacement dock will include a downriver section (berthing dock) that will be 25-foot wide and 60-foot long and an 8-foot wide and 372-foot long upriver section for a total dock length of 432-feet. The project includes a 235-foot long debris deflector boom, gangways, access ramp, and electrical conduit for lighting.

The project is located on the right (west) bank of the Sacramento River approximately 700-feet upstream of the Tower Bridge in the City of West Sacramento, at 38.58323°N 121.50808°W, Maintenance Area 4, Sacramento River, Yolo County, CA.

NOTE: Special Conditions have been incorporated herein which may place limitations on and/or require modification of your proposed project as described above.

(SEAL)

Dated: _____

Executive Officer

GENERAL CONDITIONS:

ONE: This permit is issued under the provisions of Sections 8700 – 8723 of the Water Code.

TWO: Only work described in the subject application is authorized hereby.

THREE: This permit does not grant a right to use or construct works on land owned by the Sacramento and San Joaquin Drainage District or on any other land.

FOUR: The approved work shall be accomplished under the direction and supervision of the State Department of Water Resources, and the permittee shall conform to all requirements of the Department and The Central Valley Flood Protection Board.

FIVE: Unless the work herein contemplated shall have been commenced within one year after issuance of this permit, the Board reserves the right to change any conditions in this permit as may be consistent with current flood control standards and policies of The Central Valley Flood Protection Board.

SIX: This permit shall remain in effect until revoked. In the event any conditions in this permit are not complied with, it may be revoked on 15 days' notice.

SEVEN: It is understood and agreed to by the permittee that the start of any work under this permit shall constitute an acceptance of the conditions in this permit and an agreement to perform work in accordance therewith.

EIGHT: This permit does not establish any precedent with respect to any other application received by The Central Valley Flood Protection Board.

NINE: The permittee shall, when required by law, secure the written order or consent from all other public agencies having jurisdiction.

TEN: The permittee is responsible for all personal liability and property damage which may arise out of failure on the permittee's part to perform the obligations under this permit. If any claim of liability is made against the State of California, or any departments thereof, the United States of America, a local district or other maintaining agencies and the officers, agents or employees thereof, the permittee shall defend and shall hold each of them harmless from each claim.

ELEVEN: The permittee shall exercise reasonable care to operate and maintain any work authorized herein to preclude injury to or damage to any works necessary to any plan of flood control adopted by the Board or the Legislature, or interfere with the successful execution, functioning or operation of any plan of flood control adopted by the Board or the Legislature.

TWELVE: Should any of the work not conform to the conditions of this permit, the permittee, upon order of The Central Valley Flood Protection Board, shall in the manner prescribed by the Board be responsible for the cost and expense to remove, alter, relocate, or reconstruct all or any part of the work herein approved.

SPECIAL CONDITIONS FOR PERMIT NO. 19032 BD

LIABILITY AND INDEMNIFICATION

THIRTEEN: The permittee shall defend, indemnify, and hold the Central Valley Flood Protection Board (Board) and the State of California, including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages related to the Board's approval of this permit, including but not limited to claims filed pursuant to the California Environmental Quality Act. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

FOURTEEN: The permittee is responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend, indemnify, and hold the Board and the State, safe and harmless, of and from all claims and damages arising from the project undertaken pursuant to this permit, all to the extent allowed by law. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

FIFTEEN: The Board and the Department of Water Resources shall not be held liable for any damages to the permitted encroachment(s) resulting from releases of water from reservoirs, flood fight, operation, maintenance, inspection, or emergency repair.

AGENCY CONDITIONS

SIXTEEN: All work approved by this permit shall be in accordance with the submitted drawings and specifications except as modified by special permit conditions herein. No further work, other than that approved by this permit, shall be done in the area without prior approval of the Central Valley Flood Protection Board.

SEVENTEEN: Permittee shall pay to the Board, an inspection fee(s) to cover inspection cost(s), including staff and/or consultant time and expenses, for any inspections before, during, post-construction, and regularly thereafter as deemed necessary by the Board.

EIGHTEEN: In the event that levee or bank erosion injurious to the adopted plan of flood control occurs at or adjacent to the permitted encroachment(s), the permittee shall repair the eroded area and propose measures, to be approved by the Central Valley Flood Protection Board, to prevent further erosion.

NINETEEN: The permittee shall be responsible for repair of any damages to the project levee and other flood control facilities due to construction, operation, or maintenance of the proposed project.

TWENTY: The permittee shall comply with all conditions set forth in the letter from the Department of the Army (U.S. Army Corps of Engineers, Sacramento District) dated July xx, 2018, which is attached to this permit as Exhibit A and is incorporated by reference.

TWENTY-ONE: The permittee agrees to notify new property/encroachment owner(s) that they are required to submit a permit Name Change request form to the Board upon completion of the sale. The new owner(s) will be required to comply with all permit conditions. Name Change forms are available at <http://cvfpb.ca.gov/>

TWENTY-TWO: The Board reserves the right to add additional, or modify existing, conditions when there is a change in ownership and/or maintenance responsibility of the work authorized under this permit.

PRE-CONSTRUCTION

TWENTY-THREE: Upon receipt of a signed copy of the issued permit the permittee shall contact the Central Valley Flood Protection Board by telephone at (916) 574-0609, and submit the enclosed postcard, to schedule a preconstruction conference with the inspector that is assigned to your project. Failure to do so at least 10 working days prior to start of work may result in a delay of the project.

CONSTRUCTION

TWENTY-FOUR: No construction work of any kind shall be done during the flood season from November 1st to April 15th without prior approval of the Central Valley Flood Protection Board.

TWENTY-FIVE: The proposed floating facilities shall be properly anchored to prevent detachment from the anchoring system during periods of high water.

TWENTY-SIX: Pilings being removed from within the levee section shall be completely removed. Pilings outside the levee section shall be removed to at least 1 foot below the existing ground line.

TWENTY-SEVEN: The steel piling shells shall be new steel and a minimum of 0.175 inches in thickness.

TWENTY-EIGHT: The steel piling shells shall be lowered (jacked) into the predrilled hole, as drilling progresses, and shall not be driven into the levee or into the foundation.

TWENTY-NINE: Voids in the levee adjacent to the exterior of the steel piling shells shall be grouted.

THIRTY: The top of the piles shall be a minimum distance of 2 feet above the design flood plane elevation of 34.0 feet, NAVD 88.

THIRTY-ONE: The invert of the electrical conduit through the levee section shall be above the design flood plane elevation of The invert of the electrical conduit through the levee section shall be above the design flood plane elevation of 34.0 feet, NAVD 88.

THIRTY-TWO: No materials or equipment shall be permanently stored on the levee section.

THIRTY-THREE: The bottom of the access ramp and gangway above the waterward levee slope shall be a minimum of 3 feet above the design flood plane elevation of 33.5 feet NAVD88.

THIRTY-FOUR: The levee slope immediately beneath the access ramps shall be revetted.

THIRTY-FIVE: In the event existing revetment is disturbed or displaced, it shall be restored to its original condition upon completion of the proposed installation.

THIRTY-SIX: Revetment shall be quarry stone and at a minimum shall meet the following grading:

Quarry Stone

Stone Size	Percent Passing
15 inches;	100
8 inches;	80-95
6 inches;	45-80
4 inches;	15-45
2 inches;	0-15

POST-CONSTRUCTION

THIRTY-SEVEN: All debris generated by this project shall be disposed of outside the Sacramento River floodway and off all Project Works.

THIRTY-EIGHT: The project area shall be restored to at least the condition that existed prior to

THIRTY-NINE: Upon completion of the project, the permittee shall submit as-constructed drawings to: Department of Water Resources, Flood Project Inspection Section, 3310 El Camino Avenue, Suite 256, Sacramento, California 95821.

OPERATIONS AND MAINTENANCE

FORTY: The permittee shall maintain the permitted encroachment(s) and the project works within the utilized area in the manner required and as requested by the authorized representative of the Central Valley Flood Protection Board, the Department of Water Resources, or any other agency responsible for maintenance.

FORTY-ONE: Objects connected to the dock shall be properly secured to prevent detachment during periods of high water.

FORTY-TWO: The permittee shall be responsible for removing all boats or other objects moored to the dock upon receiving notification to do so from the Central Valley Flood Protection Board, Department of Water Resources, or any other federal, State, or local agency having applicable authority.

FORTY-THREE: Debris that may accumulate on the permitted encroachment(s) and related facilities shall be cleared off and disposed of outside the floodway after each period of high water.

FORTY-FOUR: The permitted encroachment(s) shall not interfere with operation and maintenance of the flood control project. If the permitted encroachment(s) are determined by any agency responsible for operation or maintenance of the flood control project to interfere, the permittee shall be required, at permittee's cost and expense, to modify or remove the permitted encroachment(s) under direction of the Central Valley Flood Protection Board or Department of Water Resources. If the permittee does not comply, the Central Valley Flood Protection Board may modify or remove the encroachment(s) at the permittee's expense.

PROJECT ABANDONMENT / CHANGE IN PLAN OF FLOOD CONTROL

FORTY-FIVE: If the project, or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project under direction of the Central Valley Flood Protection Board and Department of Water Resources, at the permittee's or successor's cost and expense.

FORTY-SIX: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if in the discretion of the Central Valley Flood Protection Board the removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if the Project is not maintained or is damaged by any cause. If the permittee does not comply, or in the event of an emergency, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

END OF CONDITIONS

CITY OF WEST SACRAMENTO

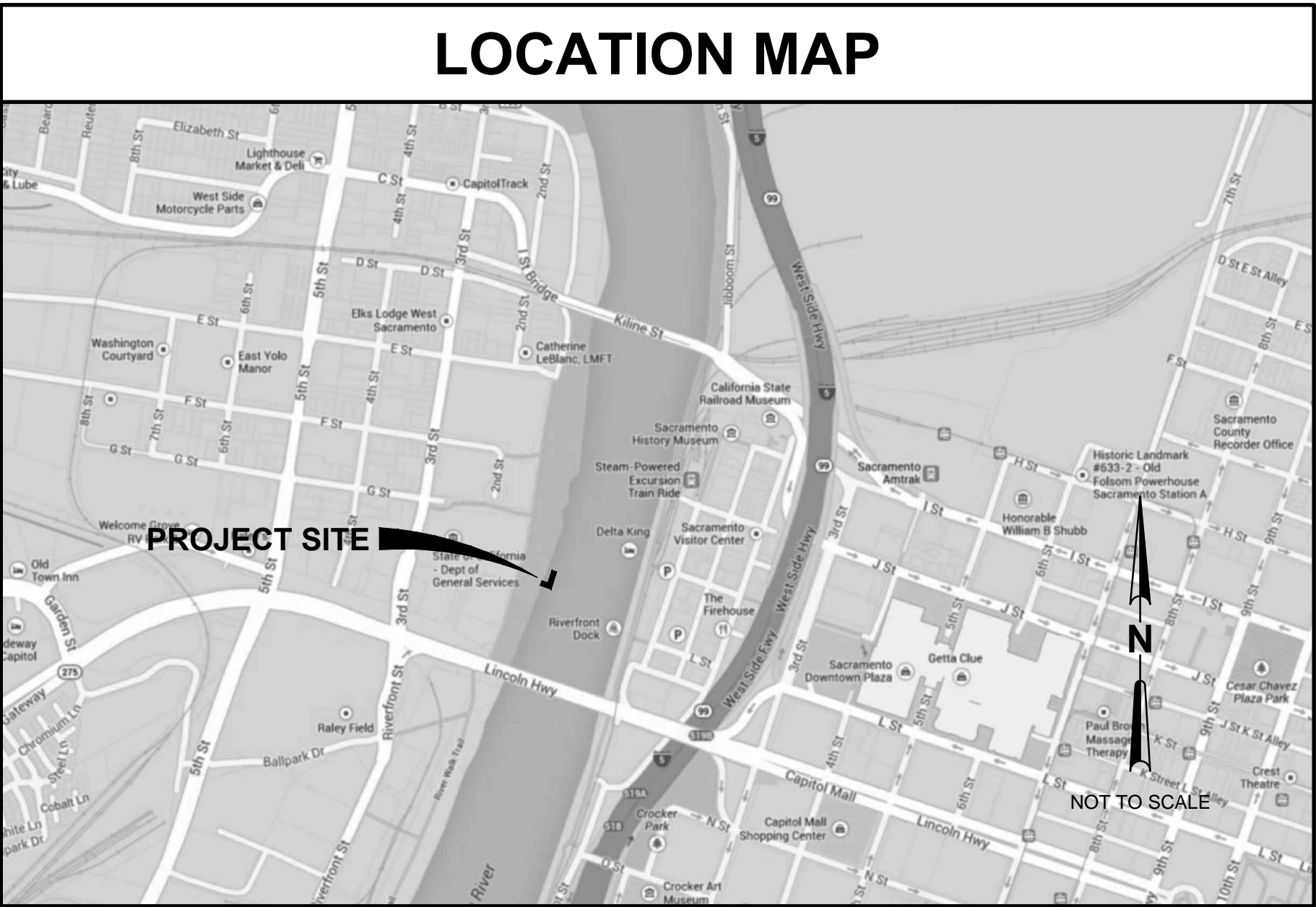
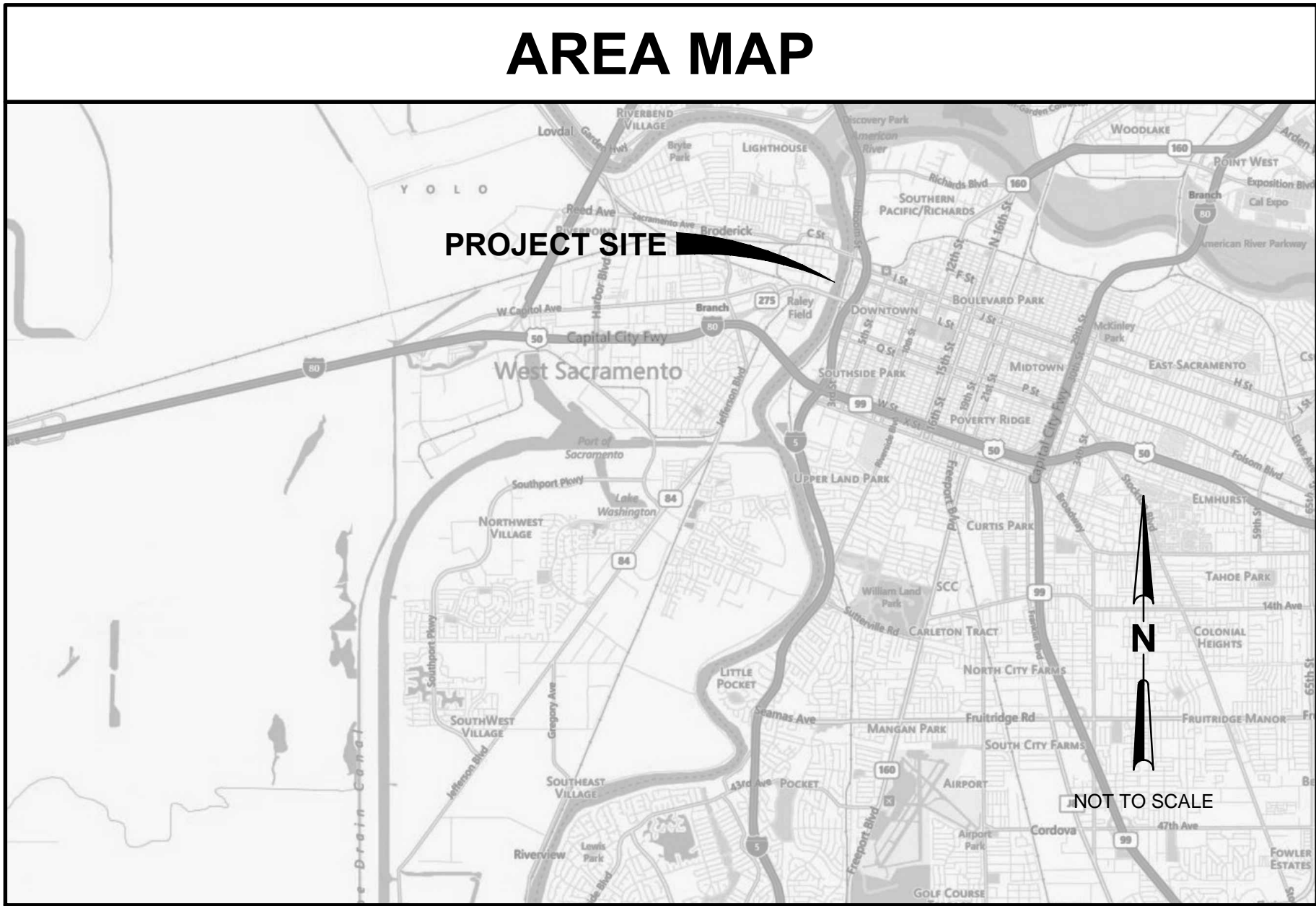
PUBLIC WORKS DEPARTMENT

PLANS FOR THE CONSTRUCTION OF:

RALEY'S DOCK REPLACEMENT PROJECT

CITY WORK ORDER NO. 70060

APPROVED BY: _____ DATE _____
DENIX ANBIAH DIRECTOR OF PUBLIC WORKS



SHEET INDEX						
SHEET OF	DRAWING NUMBER	DESCRIPTION	SUBMITTAL			
			35%	65%	95%	FINAL
		GENERAL				
1	G- 001	COVER SHEET, AREA MAP, VICINITY MAP, SHEET INDEX	X	X	X	
2	G- 002	LEGEND, ABBREVIATIONS, AND GENERAL NOTES	X	X	X	
		CIVIL				
3	C- 101	SURVEY CONTROL AND CONSTRUCTION STAGING PLAN	X	X	X	
4	C- 102	SITE PLAN	X	X	X	
		STRUCTURAL				
5	S- 001	LEGEND AND ABBREVIATIONS, GENERAL NOTES	X	X	X	
6	S- 002	STRUCTURAL GENERAL NOTES	X	X	X	
7	S- 003	SPECIAL INSPECTIONS - STRUCTURAL 1		X	X	
8	S- 004	SPECIAL INSPECTIONS - STRUCTURAL 2		X	X	
9	S- 111	FLOATING DOCK AND BERTHING DOCK PLAN	X	X	X	
10	S- 112	GANGWAYS PLAN	X	X	X	
11	S- 113	ACCESS RAMP PLAN	X	X	X	
12	S- 114	DEBRIS DEFLECTOR BOOM	X	X	X	
13	S- 211	GANGWAY ELEVATIONS WATER LEVEL RANGE		X	X	
14	S- 212	GANGWAY ELEVATIONS AND SECTIONS		X	X	
15	S- 213	ACCESS RAMP ELEVATIONS AND SECTIONS		X	X	
16	S- 511	FLOATING DOCK DETAILS	X	X	X	
17	S- 512	BERTHING DOCK DETAILS	X	X	X	
18	S- 513	GANGWAY RAMP DETAILS		X	X	
19	S- 514	STRUCTURAL DETAILS	X	X	X	
20	S- 515	FENDER DETAILS	X	X	X	
21	S- 516	STRUCTURAL DETAILS		X	X	
22	S- 517	STRUCTURAL DETAILS		X	X	
23	S- 518	STRUCTURAL DETAILS		X	X	
24	S- 519	STRUCTURAL DETAILS		X	X	
25	S- 520	DEBRIS DEFLECTOR BOOM FLOAT DETAILS		X	X	
		ELECTRICAL				
26	E- 001	ELECTRICAL ABBREVIATIONS, LEGEND, AND GENERAL NOTES	X	X	X	
27	E- 111	FLOATING DOCK AND BERTHING DOCK LIGHTING PLAN	X	X	X	
28	E- 112	GANGWAY'S LIGHTING PLAN	X	X	X	
29	E- 113	ACCESS RAMP LIGHTING PLAN	X	X	X	
30	E- 501	ELECTRICAL DETAILS 1		X	X	

AGENCY CONTACTS		
CITY PROJECT MANAGER	JOHN SNEED	(916) 617-4645
CITY PROJECT ENGINEER	DERECK GOODWIN	(916) 617-4645
CITY CONSTRUCTION ADMINISTRATOR	A.E. "DREW" GIDLOF	(916) 617-4645
PUBLIC WORKS OPERATIONS MANAGER	DAN MOUNT	(916) 617-4850
CITY FIRE DEPARTMENT	BRYAN JONSON	(916) 617-4600
CITY POLICE DEPARTMENT		(916) 617-4900
UNDERGROUND SERVICE ALERT (USA)		811
WASH. UNIFIED SCHOOL DIST.	DAUN MANNING	(916) 375-7600
YOLO CO. COMMUNICATIONS	BRUCE ANDREOZZI	(530) 666-8900
YOLO DEPT. OF ENVIRONMENTAL HEALTH	B. SARAZIN	(530) 666-8646
YOLO COUNTY GENERAL SERVICES	CINDY BURGH	(530) 666-8095
(AFTER HOURS) YOLO COUNTY DISPATCHER		(530) 666-8920
YOLO-SOLANO AIR POLLUTION	CAROL CASE	(530) 757-3650
YOLO COUNTY TRANSPORTATION DISTRICT	TERRY BASSETT	(530) 661-0816

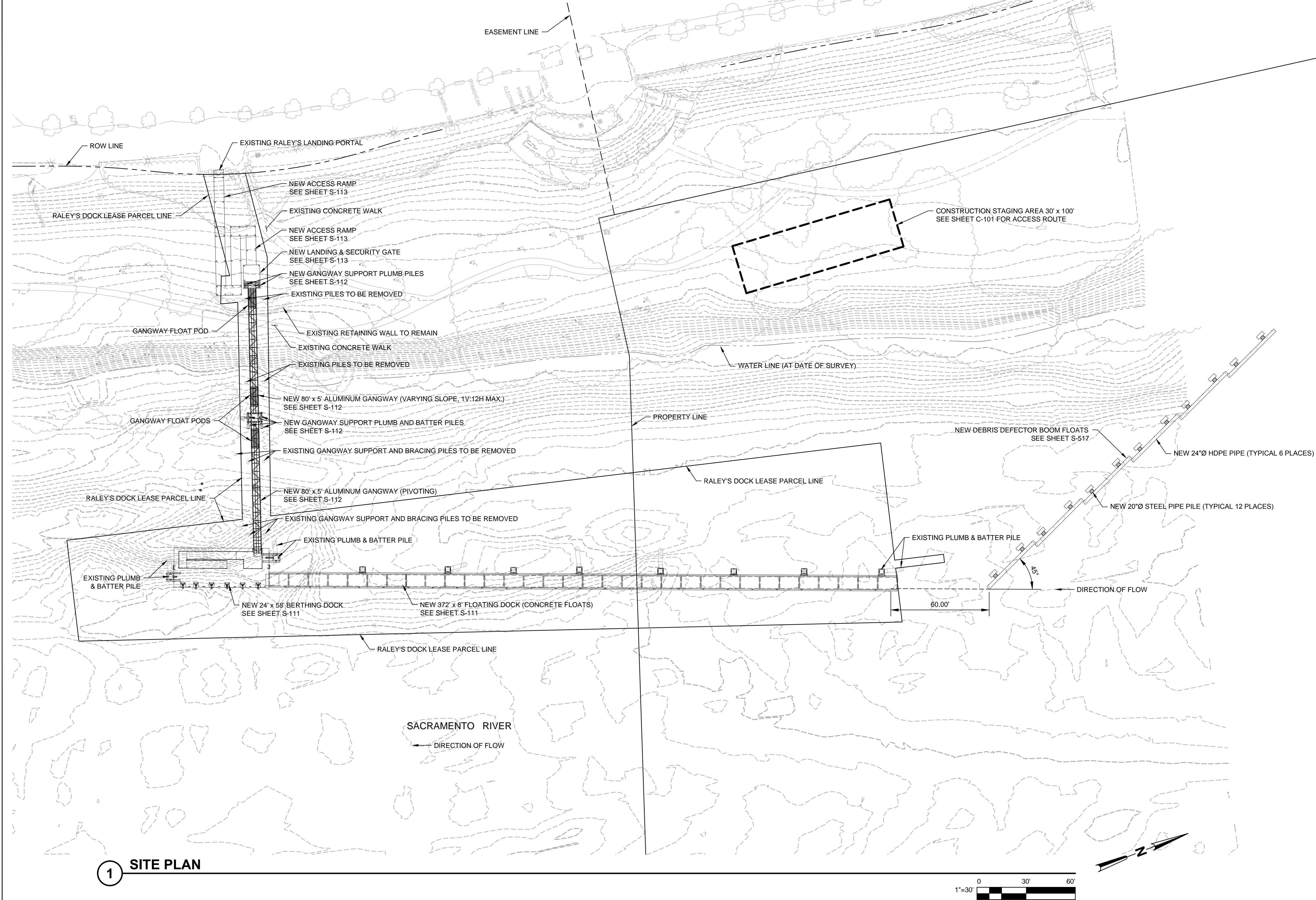
PRIVATE UTILITY CONTACTS		
AT&T	ASTRID WILLARD	(916) 638-8492
MCI	ED FRITZGERALD	(916) 991-2250
SBC	PAUL HENDERSON	(916) 453-7116
PG&E (ELECTRICAL)		(530) 661-5659
PG&E (GAS)		(530) 661-5659
RD 900	KEN RUZICH	(916) 371-1483
WAVE BROADBAND	KIRK ELLINGSON	(916) 630-7180
WASTE MANAGEMENT		(800) 443-2596
YOLO BUS		(530) 371-2877

EMERGENCY CONTACTS	
FIRE/POLICE	911
WATER/SEWER	(916) 617-4850
P.G.&E. 24-HOUR EMERGENCY	1-800-743-5000
AT&T	1-800-227-2600
ELECTRIC LIGHTWAVE	1-800-622-4354
YOLO COUNTY DISPATCHER	(530) 666-2877
U.S. COAST GUARD, FLOTILLA 35, DISTRICT 11N	
YOLO COUNTY DISPATCHER	(916) 789-5948
TOWER BRIDGE	(916) 422-5298

YOLO COUNTY TRANSPORTATION DISTRICT										TERRY BASSETT										(530) 661-0816										PRELIMINARY - NOT FOR CONSTRUCTION - 95% SUBMITTAL																																							
										Reuse of Documents This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2014																														 GHD Inc. 505 Montgomery Street Suite 2300 San Francisco California 94111 USA T 1 415 283 4970 F 1 415 283 4980 W www.ghd.com										Drawn PS Designer CL Drafting SD Design Check CSS Approved (Project Director) Date MARCH 2014 Scale AS SHOWN This Drawing shall not be used for Construction unless Signed and Sealed For Construction										Client Project Title City Work Order Number 70060 Original Size ANSI D Drawing No: G-001 Sheet 1 of 30 Rev:									
No	Revision Note: * indicates signatures on original issue of drawing or last revision of drawing									Drawn	Job Manager	Project Director	Date																																																								

SHEET GENERAL NOTES

1. PROTECT EXISTING STRUCTURES AND UTILITIES PRIOR TO COMMENCEMENT OF WORK AND THROUGHOUT WORK ON THE PROJECT.



1 SITE PLAN

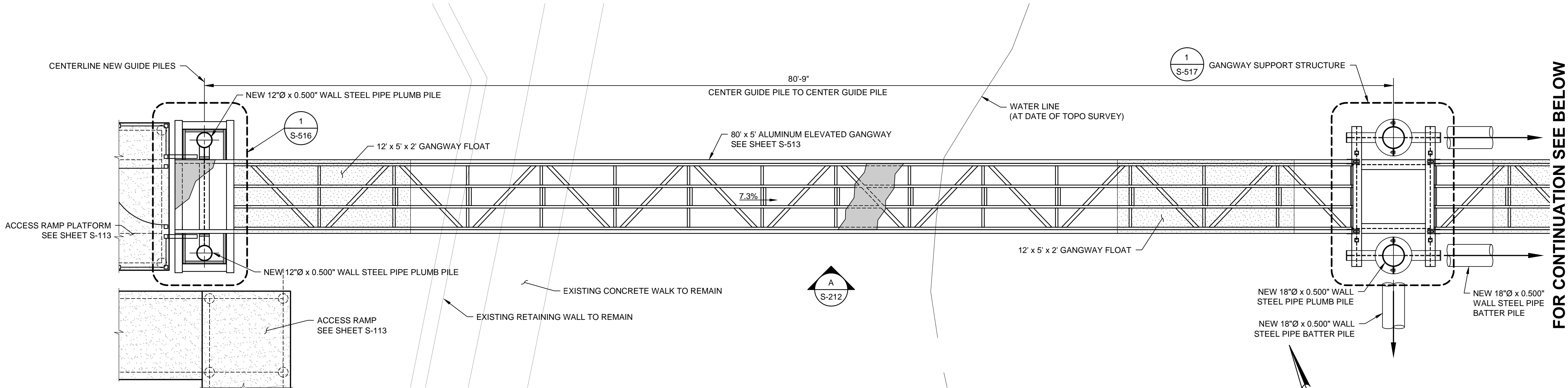


PRELIMINARY - NOT FOR CONSTRUCTION - 95% SUBMITTAL

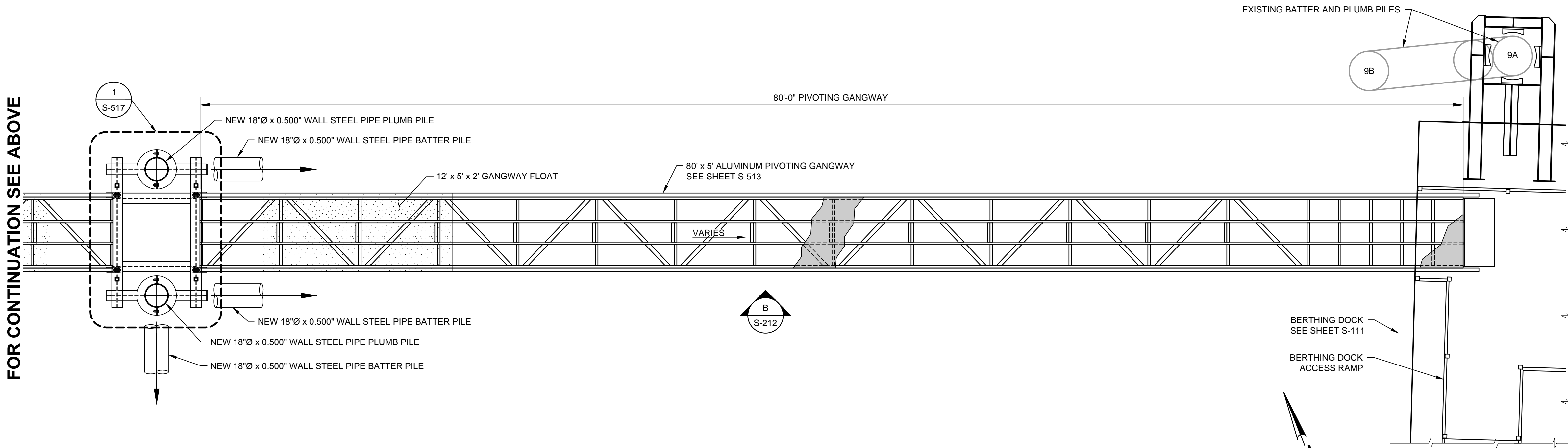
						Reuse of Documents This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD Inc. and shall not be reused in whole or in part for any other project without GHD Inc.'s written authorization. © GHD Inc. 2014				 GHD Inc. 505 Montgomery Street Suite 2300 San Francisco California 94111 USA T 1 415 283 4970 F 1 415 283 4980 W www.ghd.com	Drawn PS	Designer CL	Client Project Title	CITY OF WEST SACRAMENTO RALEY'S DOCK REPLACEMENT SITE PLAN	City Work Order Number 70060	Original Size ANSI D Drawing No: C-102	Sheet - of 30 Rev:
						Drafting SD	Design Check CSS										
						Approved (Project Director) Date MARCH 2014											
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing			Drawn	Job Manager	Project Director				Date	Scale AS SHOWN					

SHEET GENERAL NOTES

1. SEE ELECTRICAL SHEETS FOR LOCATIONS AND DETAILS OF LIGHT FIXTURES.



1 ELEVATED GANGWAY PLAN



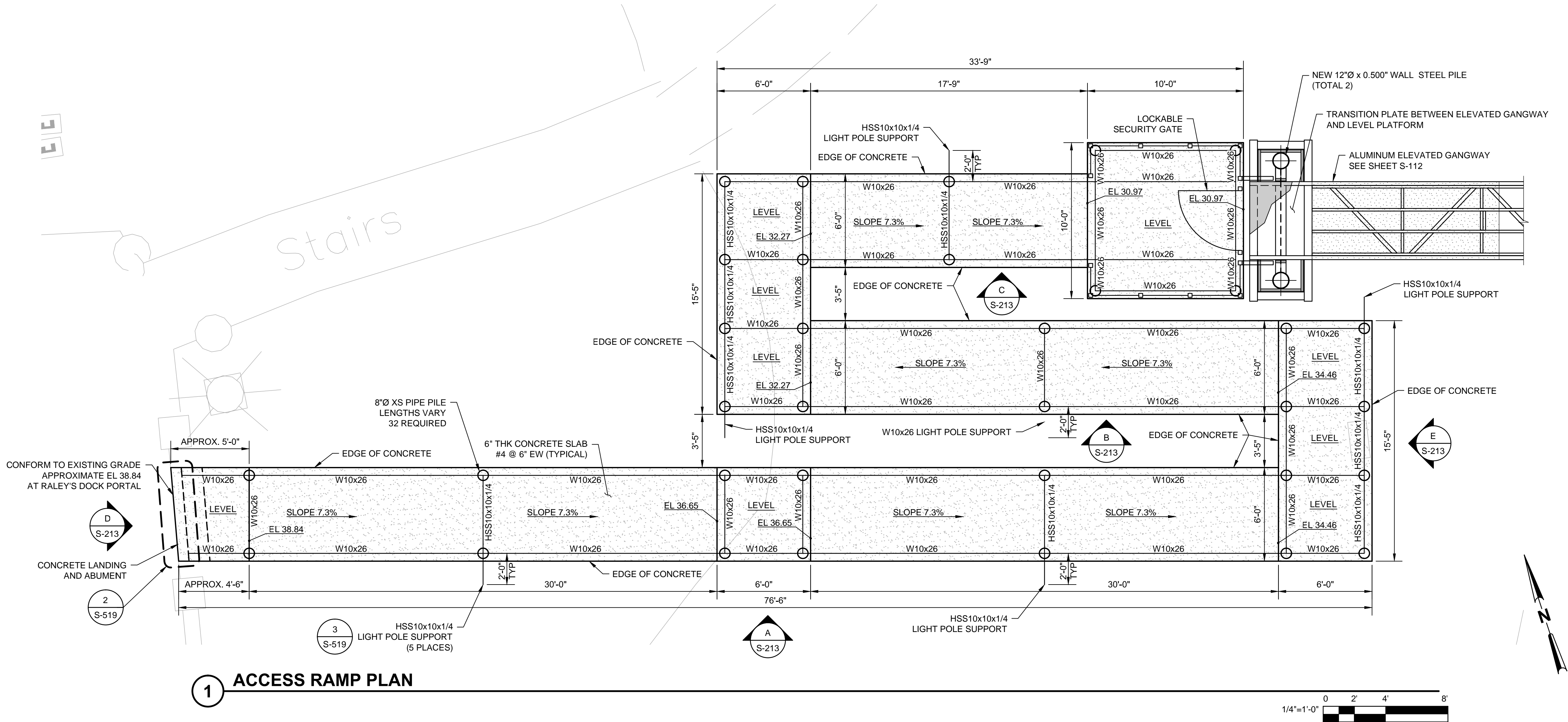
2 PIVOTING GANGWAY PLAN

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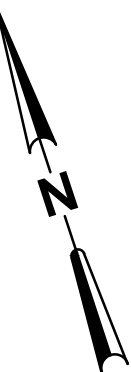
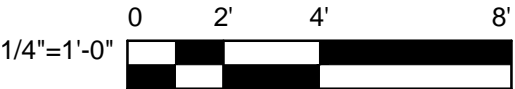
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SHEET GENERAL NOTES

- SEE ELECTRICAL SHEETS FOR LOCATIONS AND DETAILS OF LIGHT FIXTURES.
- 7.5% SHALL BE THE MAXIMUM SLOPE VERIFIED WITH 2-FOOT LONG SMART LEVEL BY CITY REPRESENTATIVE.



1 ACCESS RAMP PLAN

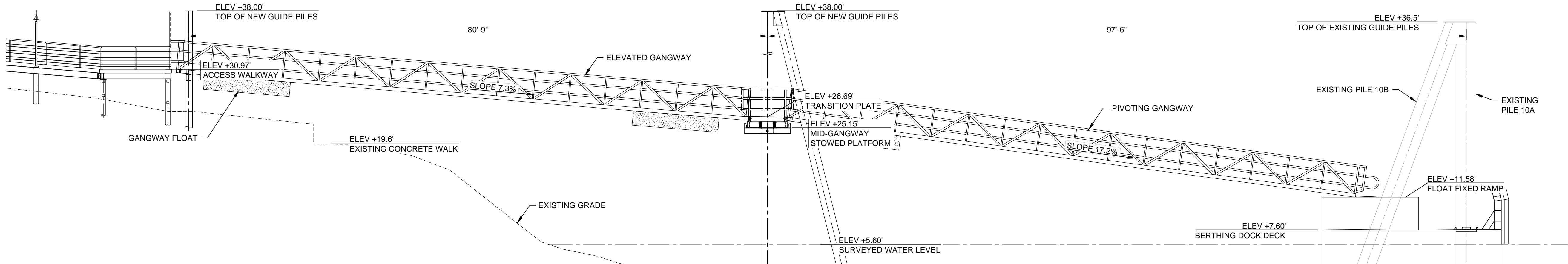


PRELIMINARY - NOT FOR CONSTRUCTION - 95% SUBMITTAL

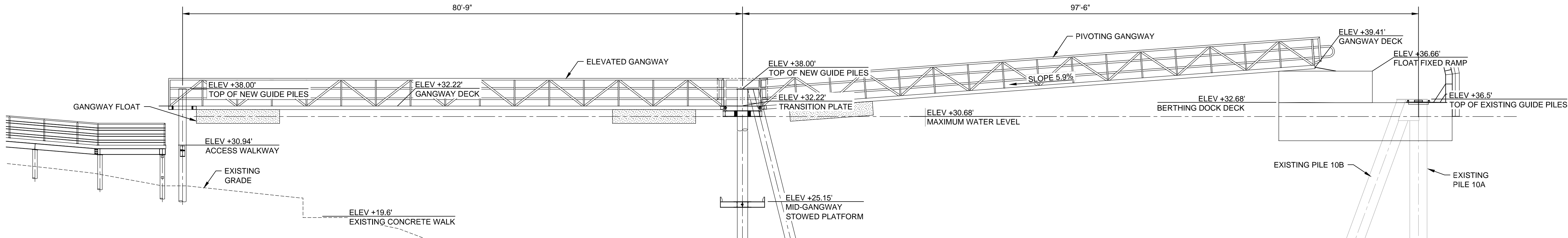
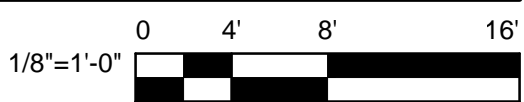
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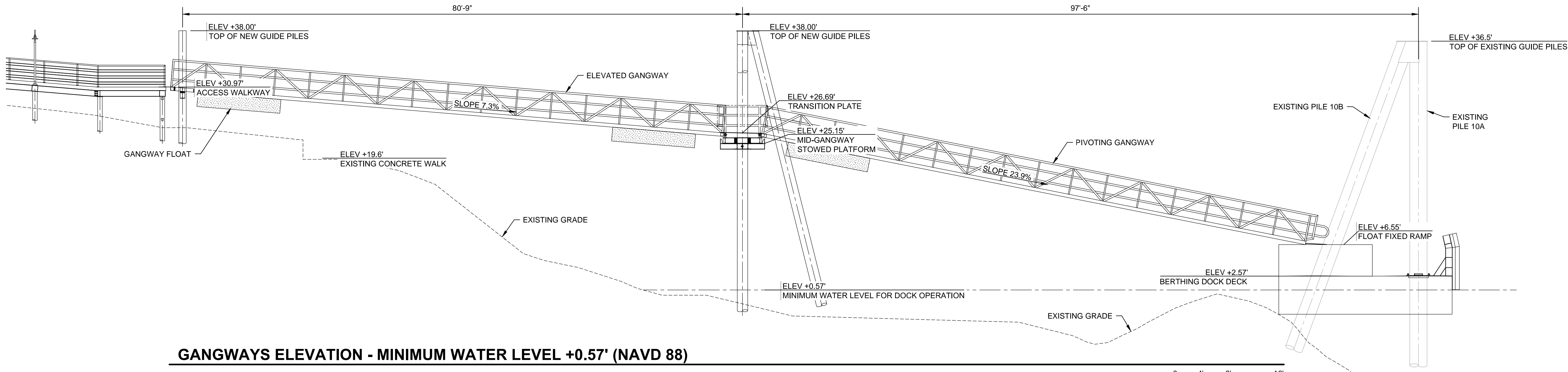
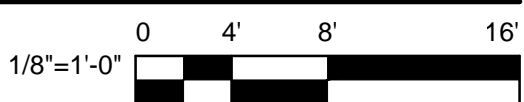
1. DURING NORMAL WATER LEVELS THE ELEVATED GANGWAY STOWED POSITION SLOPE IS 7.3%. THE PIVOTING GANGWAY SLOPE VARIES DURING WATER LEVEL CHANGES.
2. HISTORICAL MAXIMUM WATER LEVEL OF 30.68' IS SHOWN. THE 100-YEAR FLOOD IS ESTIMATED AT 34.0' IS NOT ALLOWED DUE TO EXISTING GUIDE PILE CONSTRAINTS.



GANGWAYS ELEVATION - SURVEYED WATER LEVEL +5.60' (NAVD 88)



GANGWAYS ELEVATION - MAXIMUM ALLOWABLE WATER LEVEL +30.68' (NAVD 88) - SEE NOTE 2



GANGWAYS ELEVATION - MINIMUM WATER LEVEL +0.57' (NAVD 88)

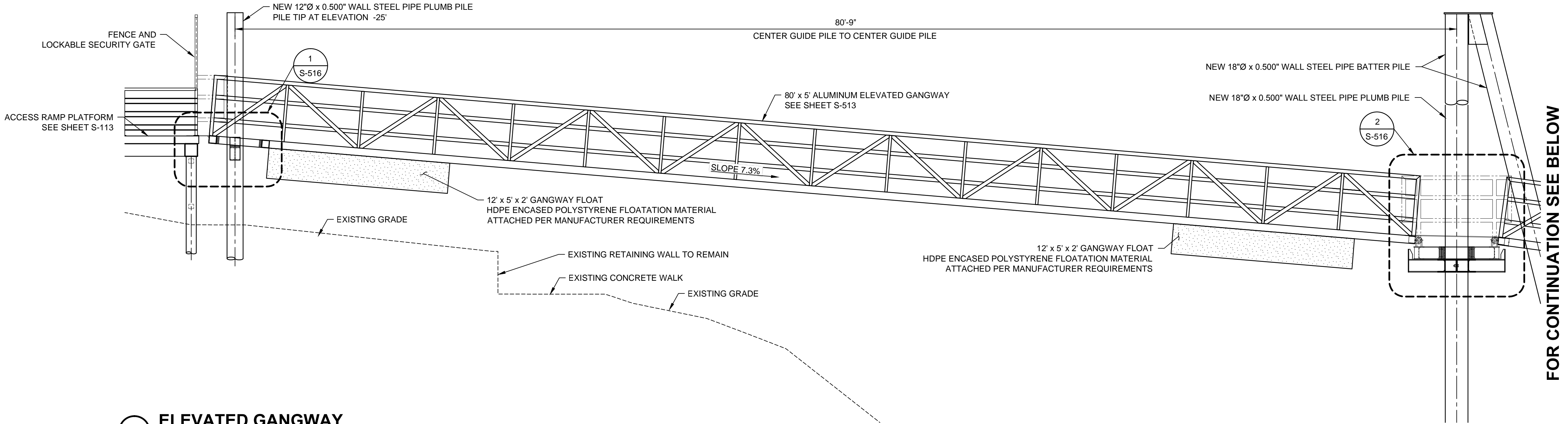


PRELIMINARY - NOT FOR CONSTRUCTION - 95% SUBMITTAL

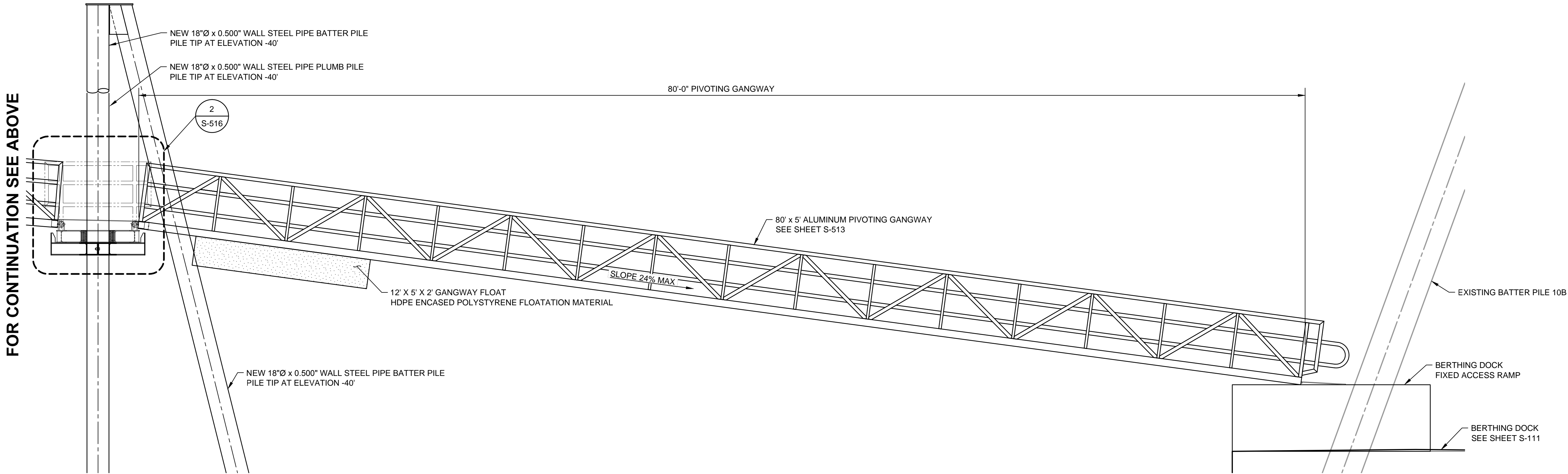
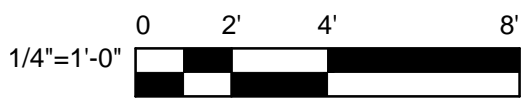
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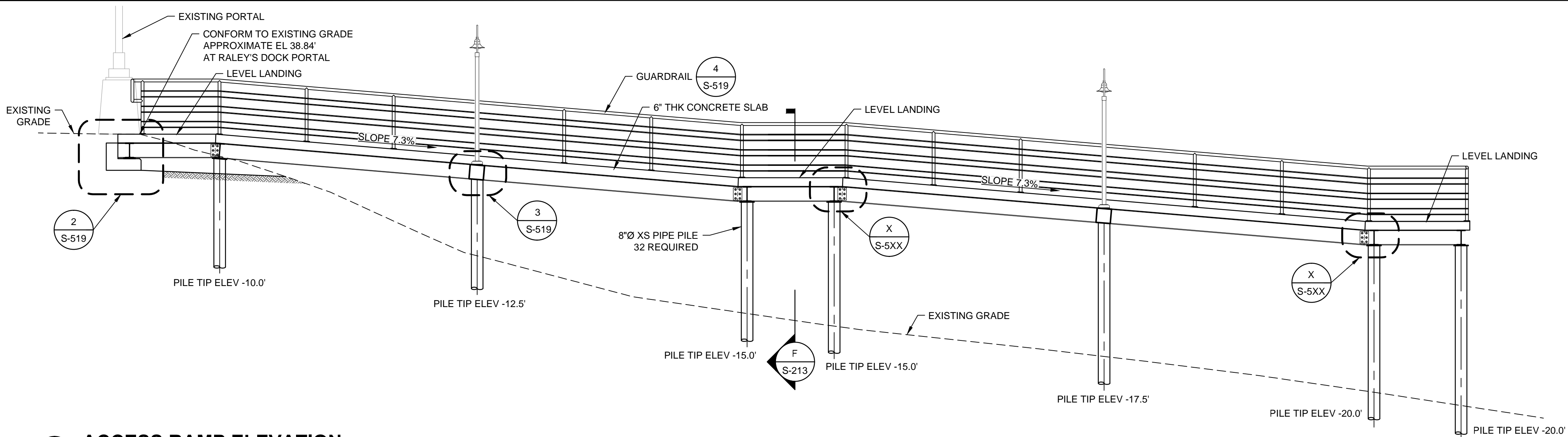


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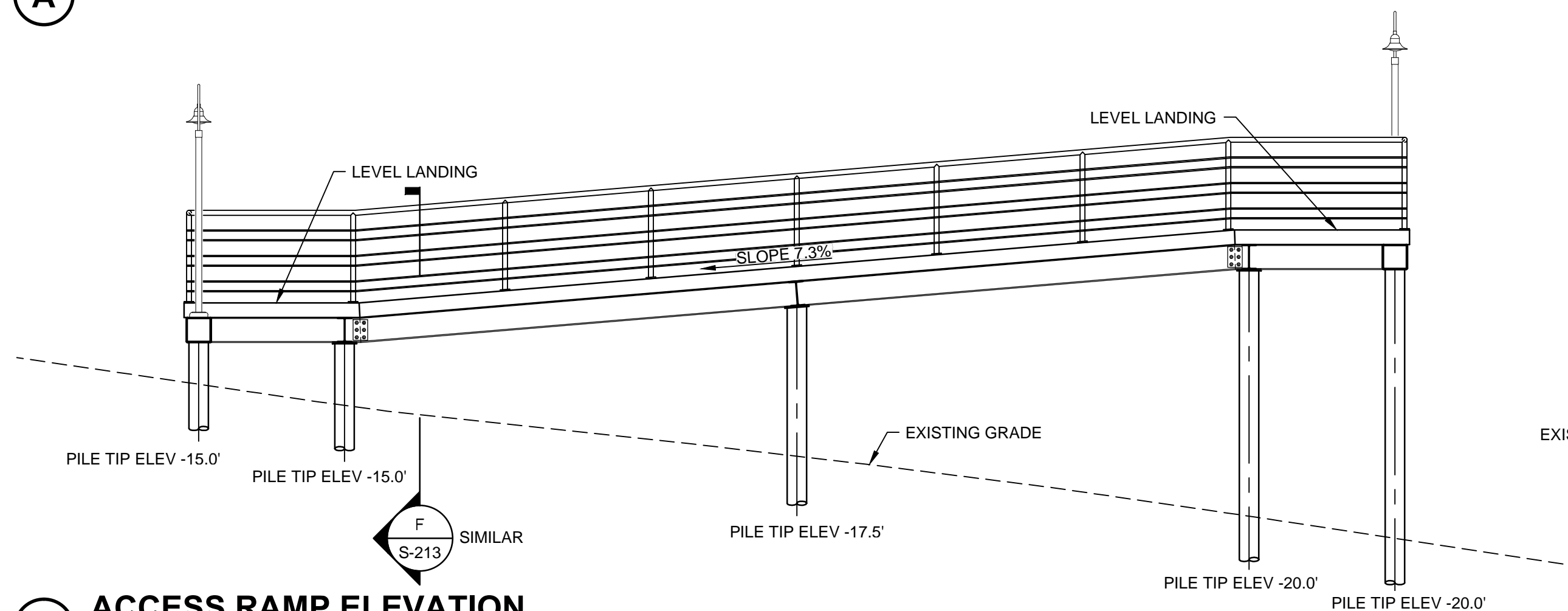
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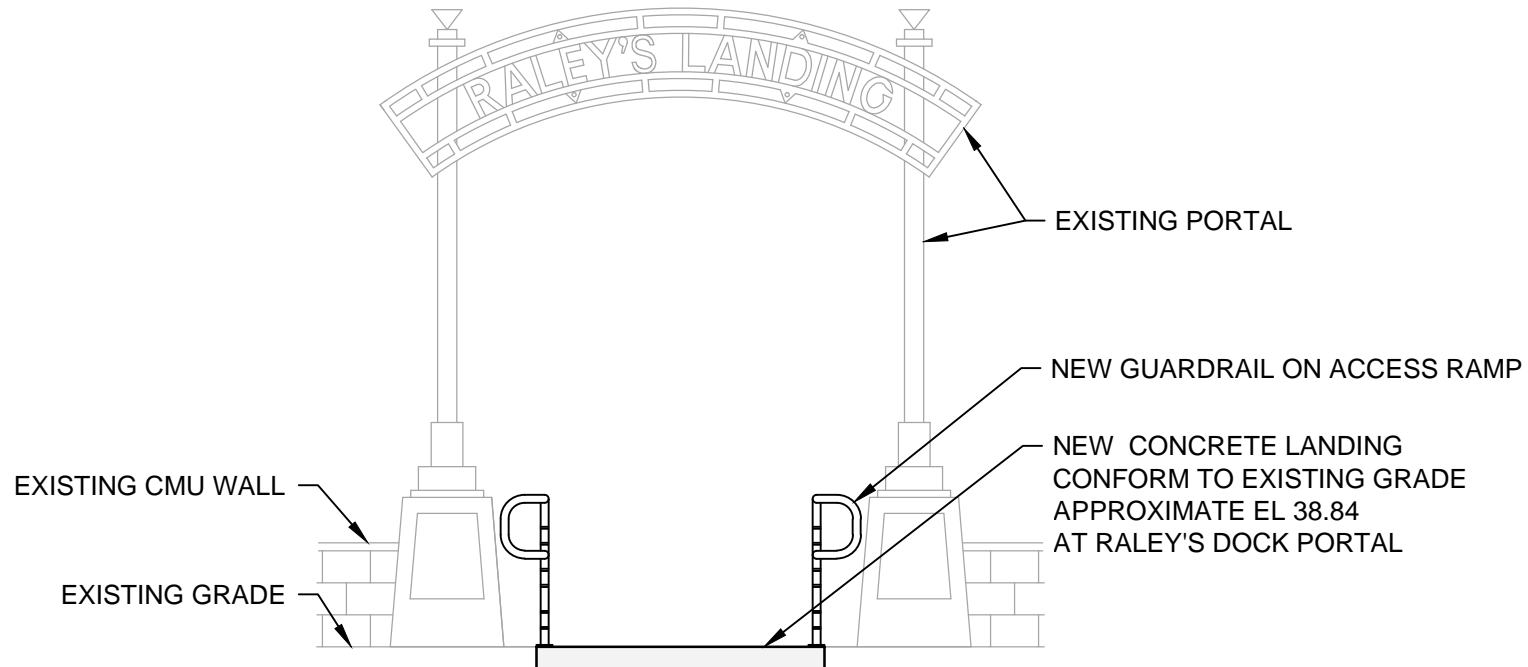
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2. SEE ELECTRICAL SHEETS FOR LOCATIONS AND DETAILS OF LIGHT FIXTURES.



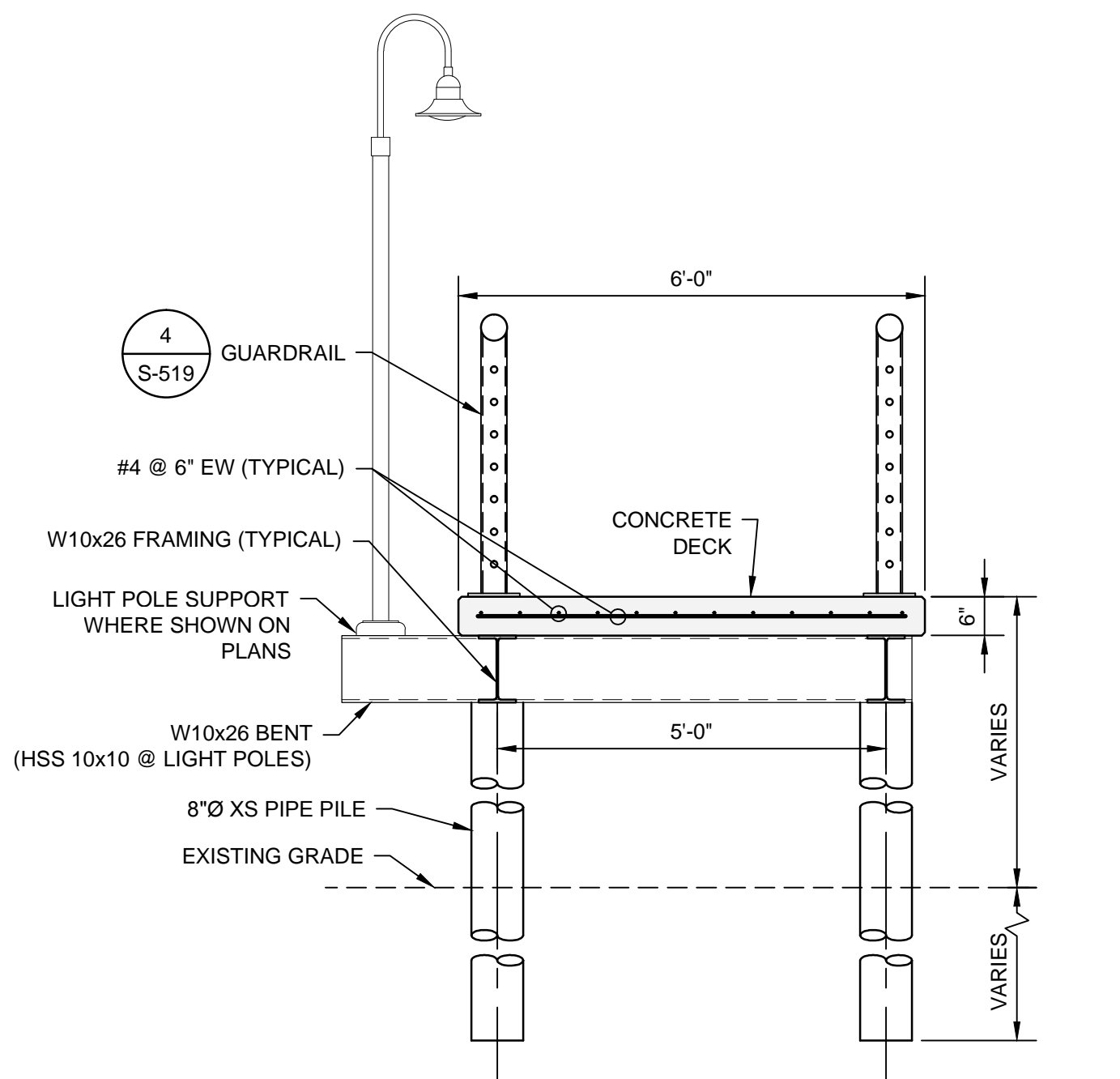
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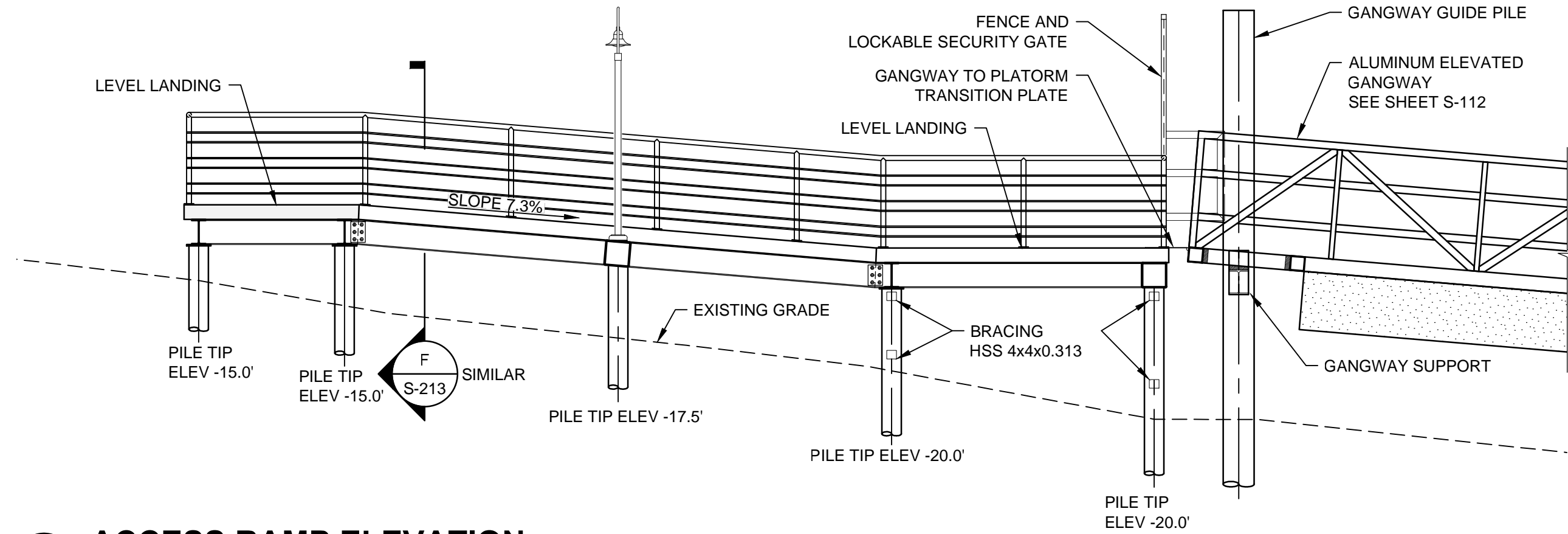
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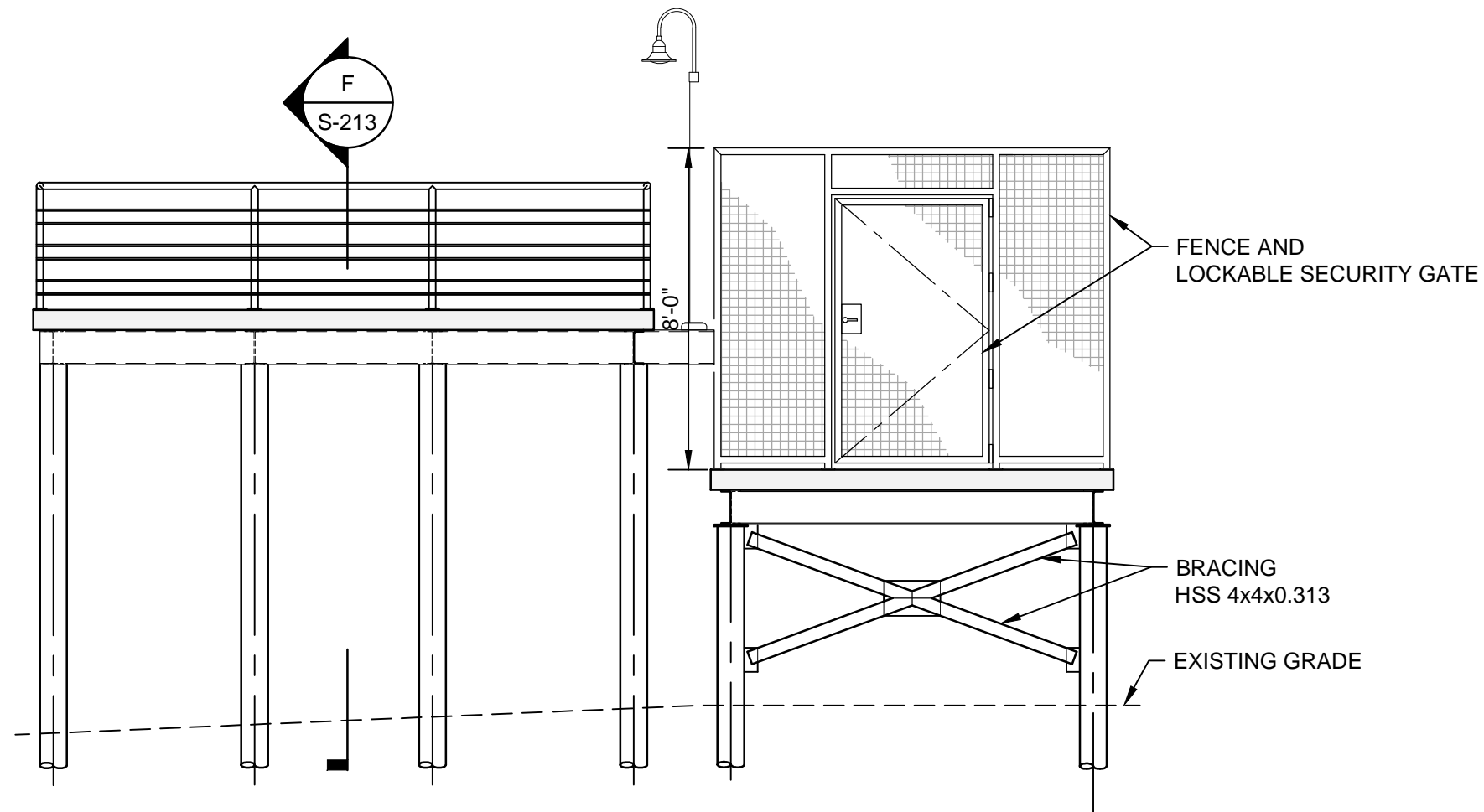
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**US Army Corps
of Engineers**

Sacramento District
850 Capitol Mall
Sacramento, CA 95814

Public Notice

Public Notice No. 7534C

Date: 29 June 1982

In Reply Refer to: SPKCO-O

Comments Due by: 29 July 1982

TO WHOM IT MAY CONCERN:

Subject: Application for a Department of the Army Permit to retain additional dockage and construct a debris reflector as shown on the attached drawings.

Applicant: Mr. Thomas P. Raley, 1515 - 20th Street, Sacramento, California 95813.

Location: The existing dock and facilities are located in the **Sacramento River** (Mile 59.20), at Yolo County Assessor's Parcel No. 10-422-07.

Purpose: The existing facilities will be used for loading and unloading passengers from the proposed river tour boats.

Project Description: Department of the Army Permit No. 7534B authorized a 268 foot dock. The dock, however, was lengthened by 175 feet. According to the applicant's agent, the additional length provides safer docking of tour boats. The shorter dock was dangerous because mooring lines from tour boats could become snared and tangled or caught in the prop of incoming boats. Therefore, the applicant proposes to retain the additional 6' x 175' wood dock secured to 4-18" diameter pipe piling; the applicant will also construct a debris deflector secured to the 18" diameter pipe piling. The floats will be supported by foam floatation.

The existing dock extends about 85' into the waterway from the low water elevation. The Sacramento River is approximately 500 feet wide at this location.

Area Description and Additional Information: The upland property has been developed. A motel, restaurant, and parking facilities occupy the upland area. There is little vegetation in the area.

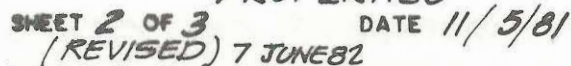
For additional information, contact the Regulatory Section, telephone (916) 440-2325, or the applicant's agent M.H. Cheney (415) 339-0665.

A national Historic Monument, "First Pacific Coast Salmon Cannery", is located in the permit area, and the site will not be impacted by the proposed work. Past contact with the State Office of Historic Preservation indicated the original Historic Structures no longer exist. This activity would not affect any threatened or endangered species or their critical habitat. The District Engineer has made this determination based on information provided by the applicant and on the Corps' preliminary evaluation.

A permit issued by the Department of the Army does not give any property rights either in real estate or material or any exclusive privileges and does not authorize any injury of private property or invasion of private rights, or any infringement of Federal, State or local laws or regulations, nor does it obviate the necessity of obtaining State or local assent to the work authorized.

Interested parties are invited to submit any comments they may have in writing, on or before **29 July 1982**. The decision whether to issue a permit will be based on an evaluation of the impact on the public interest, under authority of **Section 10**, River and Harbor Act of 1899. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered; among those are conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use, navigation, recreation, water supply, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people. No permit will be granted unless its issuance is found to be in the public interest. Based on our preliminary evaluation, there will be no significant environmental impacts.

NOT A PERMIT



Sacramento River

NOT A PERMIT



IN *SACRAMENTO RIVER*

AT WEST SACRAMENTO

COUNTY OF YOLO STATE CAL.

APPLICATION BY *RALEYS*
PROPERTIES

SHEET 3 OF 3 DATE 11/5/81