

**MEETING AGENDA FOR  
RECLAMATION DISTRICT NO. 1608  
BOARD OF TRUSTEES MEETING  
8:00 A.M. JUNE 3, 2026**

**NEUMILLER & BEARDSLEE  
3121 WEST MARCH LANE, SUITE 100  
STOCKTON, CALIFORNIA**

Call to Order.

Roll Call.

Agenda Items.

1. Public Comment. The public may comment on any matter within the District's jurisdiction that is not on the agenda. Matters on the agenda may be commented on by the public when the matter is taken up. All comments are limited to a maximum of three minutes for general public comments on items within the District's subject matter jurisdiction and three minutes before or during the Board's consideration of each agenda item, subject to the sole discretion of the Board President to allow additional time for a comment in accordance with Resolution 2019-04.
2. Approval of Minutes. Minutes of the Regular Meeting of May 6, 2026.
3. Financial Report. Review, discuss, and accept financial reports.
4. Budget. Adopt Fiscal Year 2026 – 2027 Budget.
5. Levee Standard Ordinance .
  - a. Discussion and Possible Action to Adopt Ordinance 2026-02, an Ordinance of the Board of Trustees of Reclamation District 1608 Adopting the District's Updated Levee Encroachment Standards.
6. Engineer's Report. Discussion and Possible Action on Engineer's Report.
  - I. LOWER SAN JOAQUIN RIVER FEASIBILITY PROJECT
    - A. Review the outcome from the FM 50L Fourteenmile Slough US Army Corps of Engineers Design Charrette held on Thursday May 21, 2026.

*EXHIBIT A: Meeting Agenda.*

*EXHIBIT B: Design Charrette PowerPoint presentation.*
  - II. PLAN REVIEW
    - A. Review status of Annual Levee Inspection of the District's Levee system for 2026.

*EXHIBIT C: Violation Remedy tracking for 2026.*

*This agenda shall be made available upon request in alternative formats to persons with a disability, as required by the Americans with Disabilities Act of 1990 (42 U.S.C. § 12132) and the Ralph M. Brown Act (California Government Code §54954.2). Persons requesting a disability related modification or accommodation in order to participate in the meeting should contact Elvia Trujillo at 209/948-8200 during regular business hours, at least forty-eight hours prior to the time of the meeting.*

*Materials related to an item on this Agenda submitted to the Trustees after distribution of the agenda packet are available for public inspection in the office of the District Secretary at Neumiller & Beardslee, 3121 West March Lane, Suite 100, Stockton, California during normal business hours.*

### III. DELTA LEVEE SUBVENTIONS PROGRAM

- A. Review recent program briefing by a PowerPoint presentation by Department of Water Resources (DWR) Staff on the last several years of the Program.

*EXHIBIT D: DWR PowerPoint presentation on Subventions Program.*

- 7. Superintendent Report. Request for directions and approvals.
  - a. Discussion and possible action regarding insurance coverage for District property.
- 8. Levee Tour Discussion. Report and discussion to schedule 2026, District Levee Tour.
- 9. Meetings. Report by Trustees on meetings attended and upcoming meetings. Request for direction.
- 10. Report and possible action on Progress of Tasks Assigned at Previous Board Meetings.
- 11. Discussion and direction on Short-Term and Long-Range Goals.
- 12. District Calendar. Discussion and direction.
  - a. Next Meeting is July 1, 2026.
- 13. Correspondence.
- 14. Approval of Bills. Motion to Approve of Bills.
- 15. Staff Reports.
  - (a) Attorney. The Agenda for this meeting was posted on the window outside the meeting room at 3121 West March Lane, Stockton, California, at least seventy-two (72) hours preceding the meeting.
- 16. Adjournment.

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**AGENDA PACKET  
RECLAMATION DISTRICT 1608  
JUNE 3, 2026**

<b><u>ITEM</u></b>	<b><u>COMMENTARY</u></b>
1.	Self-explanatory.
2.	Please see attached.
3.	Please see attached.
4.	Please see attached.
5.	Please see attached.
6.	Please see attached.
7.	Self-explanatory.
8.	Self-explanatory.
9.	Self-explanatory.
10.	Self-explanatory.
11.	Please see attached.
12.	Please see attached.
13.	Self-explanatory.
14.	Please see attached.
15.	Self-explanatory.
16.	Self-explanatory.

# ITEM 2

**MINUTES OF THE REGULAR MEETING OF BOARD OF TRUSTEES  
FOR RECLAMATION DISTRICT 1608  
HELD ON WEDNESDAY, MAY 6, 2026**

A Regular Meeting of the Board of Trustees of Reclamation District 1608 was called to order at 8:00 a.m. by President Panzer on May 6, 2026, at the law offices of Neumiller & Beardslee, 3121 W. March Lane, Suite 100, Stockton, California.

TRUSTEES PRESENT  
MICHAEL PANZER  
DAN MacDONNELL

OTHERS PRESENT  
ANDY PINASCO  
CHRIS NEUDECK  
JOE BRYSON  
ELVIA TRUJILLO

ABSENT  
DOTTIE LOFSTROM

1. **Public Comment.** There was no public comment.
  
2. **Approval of Minutes.** Minutes of the Regular Meeting of April 1, 2026. The Trustees reviewed the draft minutes. After review,

It was moved, seconded (D. MacDonnell/M. Panzer) and  
unanimously carried by the Board Trustees of Reclamation District  
1608, that the minutes of the April 1, 2026, Regular Board Meeting  
be approved as presented.
  
3. **Financial Report.** Review, discuss, and accept financial report. District Secretary Elvia Trujillo presented an oral and written report. She reported the budgeted amount for payment of registered warrants had been reached for the current fiscal year. After review and discussion,

It was moved, seconded (D. MacDonnell/M. Panzer) and  
unanimously carried by the Board of Trustees of Reclamation  
District 1608 that the Financial Report presented at the May 6,  
2026, meeting be approved.
  
4. **Budget.** Discussion and direction to staff regarding Draft Budget for Fiscal Year 2026-2027. Attorney Andy Pinasco presented the draft budget for Fiscal Year 2026–2027. The Board reviewed and discussed the proposed budget, and direction was provided to

staff to make adjustments to certain line items. This item will be brought back for further consideration at the next meeting. No formal action was taken.

5. **CEQA Exemption.** Adopt Resolution 2026-01 Authorizing and Directing Filing of Notice of Exemption for Routine Maintenance for Fiscal Year 2026-2027. Andy Pinasco presented this item. He reported the resolution is brought before the Board annually and is administrative in nature. It authorizes and directs the District’s engineer to file the Notice of Exemption for routine maintenance to the existing levee improvements. As the resolution remains unchanged from previous years, Mr. Pinasco recommends adoption.

It was moved, seconded (D. MacDonnell/M. Panzer) and unanimously carried by the Board of Trustees of Reclamation District 1608 that Resolution 2026-01 Authorizing and Directing Filing of Notice of Exemption for Routine Maintenance for Fiscal Year 2026-2027 be adopted.

6. **Levee Subventions.** Adopt Resolution 2026-02 Approving and Authorizing Execution of Delta Levee Maintenance Subventions Program Work Agreement for Fiscal Year 2026-2027. Attorney Andy Pinasco reported this resolution corresponds with the Subventions Work Agreement which is expected to be received soon. The District enters into this agreement annually with the Department of Water Resources in order to participate in the Levee Subventions Program. This resolution is administrative in nature and Mr. Pinasco recommends adoption.

It was moved, seconded (D. MacDonnell/M. Panzer) and unanimously carried by the Board of Trustees of Reclamation District 1608 that Resolution 2026-02 Approving and Authorizing Execution of Delta Levee Maintenance Subventions Program Work Agreement for Fiscal Year 2026-2027 be adopted.

7. **Levee Standards Ordinance.** Discussion and Possible Action to Waive First Reading of Ordinance 2026-02, an Ordinance of the Board of Trustees of Reclamation District 1608 Adopting the District’s Updated Levee Encroachment Standards. Attorney Andy Pinasco reported this item is part of the Engineer’s Report, section I.A., noting that the updated Levee Encroachment Standards reflect revisions developed over the past several months. Clarification was discussed regarding certain attachments previously marked as “superseded.” Mr. Pinasco explained that, as a regulatory ordinance, adoption requires consideration over two meetings to allow for proper noticing and opportunity for public comment. After discussion,

It was moved, seconded (D. MacDonnell/M. Panzer), and unanimously carried by the Board of Trustees of Reclamation District 1608 to waive the first reading of Ordinance 2026-02.

8. **Engineer's Report.** Discussion and Possible Action on Engineer's Report.

**I. Plan Review.**

- A. Review Final Draft of Rules and Regulations (under separate cover Pinasco Handout). *Please see Agenda Item 7 above.*
- B. Review status of Annual Levee Inspection of the District's Levee system for 2026.

*EXHIBIT A: Violation Remedy Tracking 2026.*

Engineer Chris Neudeck gave an update on the levee inspections and reported some homeowners have remedied the issues and some have not. The Foulks have sold their home and the new owners have taken care of the prior vegetation issues. The Logkov's have not yet complied, and a letter will be sent to them.

9. **Superintendent Report.** Request for directions and approvals. Levee Superintendent Joe Bryson gave a written and oral report. For a complete list of items, please refer to Mr. Bryson's report attached hereto.

10. **Meetings.** Report by Trustees on meetings attended and upcoming meetings. Request for direction.

Chris Neudeck reported the San Joaquin County Board of Supervisors has declared a local emergency related to the golden mussels. He noted that a questionnaire was distributed, which he completed. The issue was described as ongoing and impacts marina operations, including damage to boats and infrastructure such as pipes.

11. **Report and Possible Action on Progress of Tasks Assigned at Previous Board Meetings.** No report.

12. **Discussion and direction on Short-Term and Long-Range Goals.** No discussion.

13. **District Calendar.** Discussion and direction.

- Next Board Meeting June 3, 2026.  
No date conflict was reported.

14. **Correspondence.** None of note.

15. **Approval of Bills.** District Secretary Elvia Trujillo presented an oral and written report on District expenses. Discussion was held regarding the purchase of rock. After review,

It was moved, seconded (D. MacDonnell/M. Panzer) and unanimously carried by the Board of Trustees of Reclamation District 1608 to approve the list of bills for this meeting as presented. Amended.

16. **Staff Reports.** None.

(a) Attorney. The agenda for this meeting was posted on the window outside the meeting room at 3121 West March Lane, Stockton, California, at least seventy-two (72) hours preceding the meeting.

17. **Adjournment.** The meeting adjourned at 9:17 a.m.

Respectfully submitted,

Elvia C. Trujillo  
District Secretary

Acronyms Frequently Used

AC Repairs = Asphalt Concrete Repairs  
CEQA = California Environmental Quality Act  
CVFPDB = Central Valley Flood Protection Board  
District= Reclamation District 1608  
DWR = Department of Water Resources  
KSN = Kjeldsen, Sinnock & Neudeck  
LWA = Larsen Wurzel & Associates  
MCSA = Maintenance and Capital Services Assessment District  
N&B = Neumiller & Beardslee  
Prop 218 = Proposition 218  
RD 1608 = Reclamation District 1608  
SJAFCA = San Joaquin Area Flood Control Agency  
San Joaquin OES = San Joaquin Office of Emergency Services  
USACE = United States Army Corps of Engineers

## **LEVEE SUPERINTENDENT REPORT**

**MAY 6, 2026, MEETING**

### **RECLAMATION DISTRICT 1608**

1. Clean and checked the pump stations three times. Cleaned Kelley gates east and west. Someone cut the locks at the Kelley gate east and the golf course, threw the chain and into the water.
2. Pull lots of debris from 14 Mile and 5 Mile slough.
3. Homeless try to get into Kelley levee, under I-5 – south side.
4. We finished installing rock on 5 Mile Slough, over 150 yards of rocks.
5. We will start gravel this month on land side, from I-5 to Garlic Brothers.
6. We had a big tree fall, landside, we cut it and removed the stump and chased the roots.
7. We are starting black topping. We cleaned the top off.
8. Someone cut our fence under Morgan overpass, repaired.
9. We finished installing lights in our yard and we can see everything at night.
10. Joe Godinez is back.
11. We went through Embarcadero and Fourteen Mile Drive. I got a list of gates that need work. Also a list of homes that need new roads. We did inspection and trim some trees. I saw some of the high tides.
12. Kids threw levee rocks at our dumpsters over 100.
13. I talked with the City about the homeless. They left a lot of trash under I-5. The City asked how I keep them out, I told them, I don't let them in.

Reclamation District 1608  
Amended Bills for Approval - May 6, 2026, Board Meeting

NAME	Date	INVOICE #	AMOUNT	TOTAL \$	WARRANT #	CHECK #	RATIFICATION
Michael Panzer	5/6/2026	Trustee Stipend	\$300.00				
				<b>\$300.00</b>	7007		
Dan MacDonnell	5/6/2026	Trustee Stipend	\$300.00				
				<b>\$300.00</b>	7008		
<i>D. Lofstrom (Not in Attendance)</i>		Trustee Stipend	\$0.00				
				<b>\$0.00</b>			
Elvia Trujillo (April Services)	5/6/2026	Secretary Fee	\$1,983.65				
				<b>\$1,983.65</b>	7009		
Neumiller & Beardslee	4/8/2026	357763	\$7,117.00				
				<b>\$7,117.00</b>	7010		
Kjeldsen Sinnock & Neudeck	4/17/2026	43112	\$1,725.75				
	4/17/2026	43113	\$2,203.00				
	4/17/2026	43114	\$62.50				
	4/17/2026	43115	\$403.75				
	4/17/2026	43116	\$542.50				
	4/17/2026	43117	\$2,051.25				
				<b>\$6,988.75</b>	7011		
Dino & Son Ditching Service, Inc.	3/29/2026	26-20	\$16,556.61				
				<b>\$16,556.61</b>	7012		
San Joaquin County Registrar of Voters (Admin Fee to Appoint Nominated Individuals in lieu of Election)	4/21/2026	RDNOV2025-12	\$50.00				
				<b>\$50.00</b>	7013		
Reclamation District 1608 Transfer to Checking Account	5/6/2026		\$40,000.00				
				<b>\$40,000.00</b>	7014		
PG&E		2999432760-8	\$4.51				
				<b>\$4.51</b>	7015		



# ITEM 3

**RECLAMATION DISTRICT 1608**  
**AMENDED FINANCIAL REPORT - JUNE 3, 2026**  
**% OF FISCAL YEAR ELAPSED THROUGH THE END OF MAY 2026 - 91.66%**

Budget Item	Budget Amount	Expended MTD	Expended YTD	% YTD
<b>Operations &amp; Maintenance Expenses</b>				
O1 Levee Superintendent	\$95,000.00	\$11,229.65	\$103,611.04	109.06%
O2 Part Time Employees	55,000.00	11,298.00	62,014.02	112.75%
O3 Payroll Taxes and Expenses	10,000.00	2,216.72	16,925.65	169.26%
O4 Fences & Gates	25,000.00	0.00	0.00	0.00%
O5 Locks & Signs	1,000.00	0.00	0.00	0.00%
O6 Weed and Rodent Control & Clean up	20,000.00	0.00	13,912.77	69.56%
O7 Levee Repair Fund (General Operations & Maintenance)	50,000.00	6,038.19	53,338.98	106.68%
O8 Levee Repair Fund (Levee Capital Improvement Projects)	50,000.00	0.00	934.96	1.87%
O9 Pump System Maintenance	1,000.00	136.66	375.83	37.58%
O10 Wireless Services (Cell and Mobile Computer)	6,000.00	0.00	5,614.52	93.58%
O11 Garbage Service	5,000.00	0.00	1,552.15	31.04%
O12 District Vehicle (Fuel, Maintenance and Repairs)	5,000.00	3,122.02	8,445.87	168.92%
<b>TOTAL</b>	<b>\$323,000.00</b>	<b>\$34,041.24</b>	<b>\$266,725.79</b>	<b>82.58%</b>
<b>General Expenses</b>				
G1 Trustee Fees	\$15,000.00	\$900.00	\$10,497.60	69.98%
G2 Secretary Fees	15,000.00	1,328.55	15,727.59	104.85%
G3 Office Expenses (includes storage facility)	1,000.00	42.18	724.06	72.41%
G4 General Legal	40,000.00	8,025.45	38,641.28	96.60%
G5 Audit	7,000.00	8,525.00	8,525.00	121.79%
G6 County Administration Costs	6,000.00	1,941.00	6,792.80	113.21%
G7 Property and Liability Insurance	24,000.00	0.00	25,361.00	105.67%
G8 Workers Compensation Insurance	15,000.00	3,522.29	14,153.13	94.35%
G9 Election Costs	25,000.00	0.00	165.30	0.66%
G10 Newsletters & Public Communications	10,000.00	121.20	6,289.19	62.89%
<b>TOTAL</b>	<b>\$158,000.00</b>	<b>\$24,405.67</b>	<b>\$126,876.95</b>	<b>80.30%</b>
<b>Debt Service</b>				
D1 Registered Warrant Expense	\$115,000.00	\$0.00	\$115,849.32	100.74%
	<b>\$115,000.00</b>	<b>\$0.00</b>	<b>\$115,849.32</b>	<b>100.74%</b>
<b>Engineering Expenses</b>				
E1 General Engineering	\$25,000.00	\$2,074.47	\$16,475.92	65.90%
E2 Plan Review Engineering	25,000.00	590.00	29,822.80	119.29%
E3 Administration of Delta Levee Subventions Program	20,000.00	1,289.50	27,873.59	139.37%
E4 Periodic Levee Property Inspections and Surveys	7,500.00	0.00	0.00	0.00%
E5 Routine Levee Maintenance Consultation	3,500.00	1,520.00	14,039.50	401.13%
E6 Assessment Engineering	4,000.00	0.00	12,133.28	303.33%
E7 Lower San Joaquin River Project	15,000.00	147.50	12,694.25	84.63%
<b>TOTAL</b>	<b>\$100,000.00</b>	<b>\$5,621.47</b>	<b>\$113,039.34</b>	<b>113.04%</b>
<b>TOTAL EXPENDITURES</b>	<b>\$696,000.00</b>	<b>\$64,068.38</b>	<b>\$553,975.93</b>	<b>79.59%</b>

Budget Item	Anticipated Income	Income MTD	Income YTD	% YTD
<b>Income</b>				
Property Taxes	\$295,000.00	\$139,114.16	\$312,781.25	106.03%
Interest Income	12,000.00	7,120.26	25,981.73	216.51%
Assessments	330,000.00	136,539.07	310,937.21	94.22%
Subvention Reimbursement	424,000.00	0.00	309,375.00	72.97%
Emergency Operations Plan	15,000.00	0.00	14,930.00	99.53%
Other	0.00	0.00	2,155.65	0.00%
<b>Totals</b>	<b>\$1,076,000.00</b>	<b>\$282,773.49</b>	<b>\$976,160.84</b>	<b>90.72%</b>

Subventions Reimbursement for FY 2023-2024 \$309,375.00

**Cash On Hand**

Cash Balance as of July 1, 2025	\$415,279.75
Revenues (YTD), as of April 30, 2026	908,132.36
Expenses (YTD), as of April 30, 2026	525,819.48

<b>Fund Balance as of May 27, 2026</b>	<b>\$725,001.32</b>
<b>Warrants for Approval at June 3, 2026, Board Meeting</b>	<b>\$64,563.85</b>
<b>TOTAL CASH</b>	<b>\$660,437.47</b>

<b>Checking Account Balance as of May 25, 2026</b>	<b>\$27,973.54</b>
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**Reserves**

Board-Designated Reserve (For District Operations Only)	100,000.00
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# ITEM 4

## RECLAMATION DISTRICT 1608

		FY 2025-2026 Adopted Budget	FY 2026-2027 Proposed
<b>OPERATIONS &amp; MAINTENANCE EXPENSES</b>			
O1	LEEVE SUPERINTENDENT	\$95,000	\$111,000
O2	PART TIME EMPLOYEES	\$55,000	\$61,000
O3	PAYROLL TAXES AND EXPENSES	\$10,000	\$17,500
O4	FENCES & GATES	\$25,000	\$25,000
O5	LOCKS & SIGNS	\$1,000	\$1,000
O6	WEED AND RODENT CONTROL & CLEANUP	\$20,000	\$17,000
O7	LEEVE REPAIR FUND (General Operations & Maintenance)	\$50,000	\$57,000
O8	LEEVE REPAIR FUND (Levee Capital Improvement Projects)	\$50,000	\$50,000
O9	PUMP SYSTEM MAINTENANCE	\$1,000	\$500
O10	WIRELESS SERVICES (Cell and Mobile Computer)	\$6,000	\$6,500
O11	GARBAGE SERVICE	\$5,000	\$2,000
O12	DISTRICT VEHICLE (Fuel, Maintenance & Repairs)	\$5,000	\$6,500
		<b>\$323,000</b>	<b>\$355,000</b>
<b>GENERAL EXPENSES</b>			
G1	TRUSTEE FEES	\$15,000	\$12,000
G2	SECRETARY FEES	\$15,000	\$17,500
G3	OFFICE EXPENSES (includes storage facility)	\$1,000	\$1,000
G4	GENERAL LEGAL	\$40,000	\$37,000
G5	AUDIT	\$7,000	\$7,000
G6	COUNTY ADMINISTRATION COSTS	\$6,000	\$6,000
G7	PROPERTY & LIABILITY INSURANCE	\$24,000	\$27,000
G8	WORKERS COMPENSATION INSURANCE	\$15,000	\$13,000
G9	ELECTION COSTS	\$25,000	\$500
G10	NEWSLETTER & PUBLIC COMMUNICATIONS	\$10,000	\$7,500
		<b>\$158,000</b>	<b>\$128,500</b>
<b>DEBT SERVICE</b>			
D1	REGISTERED WARRANT EXPENSE	\$115,000	\$139,000
		<b>\$115,000</b>	<b>\$139,000</b>
<b>ENGINEERING EXPENSES</b>			
E1	GENERAL ENGINEERING	\$25,000	\$25,000
E2	PLAN REVIEW ENGINEERING	\$25,000	\$35,000
E3	ADMINISTRATION OF DELTA LEEVE SUBVENTIONS PROGRAM	\$20,000	\$20,000
E4	PERIODIC LEEVE PROPERTY INSPECTIONS AND SURVEYS	\$7,500	\$7,500
E5	ROUTINE LEEVE MAINTENANCE CONSULTATION	\$3,500	\$15,000
E6	ASSESSMENT ENGINEERING	\$4,000	\$14,500
E7	LOWER SAN JOAQUIN RIVER PROJECT	\$15,000	\$15,000
		<b>\$100,000</b>	<b>\$132,000</b>
	<b>TOTAL EXPENDITURES</b>	<b>\$696,000</b>	<b>\$754,500</b>
<b>INCOME</b>			
	PROPERTY TAXES	\$295,000	\$295,000
	INTEREST INCOME	\$12,000	\$18,000
	ASSESSMENTS	\$330,000	\$340,000
	SUBVENTION REIMBURSEMENT	\$115,000	\$115,000
	LSJR PROJECT	\$15,000	\$15,000
	<b>TOTAL INCOME</b>	<b>\$767,000</b>	<b>\$783,000</b>
	<b>NET INCOME</b>	<b>\$71,000</b>	<b>\$28,500</b>

\* FY 2025-2026 actual figures are year-to-date through April 30, 2026 (10 of 12 months). Final year-end figures pending.

# ITEM 5

**RECLAMATION DISTRICT NO. 1608**

**ORDINANCE 2026-02**

**ORDINANCE ADOPTING LEVEE ENCROACHMENT STANDARDS**

**WHEREAS**, Reclamation District 1608 (the “District”) is charged by law with the responsibility of maintaining levees and related flood control works within its jurisdiction for purposes of flood control; and

**WHEREAS**, the District has adopted and periodically revised levee encroachment standards to protect levee integrity, preserve inspection visibility, and ensure access for maintenance, repair, and flood fighting; and

**WHEREAS**, the Board of Trustees desires to adopt the District’s updated “Levee Encroachment Standards,” dated \_\_\_\_\_ (the “Standards”), to consolidate and update the District’s regulations governing encroachments on or near the District’s levees; and

**WHEREAS**, the Board has reviewed the Standards and finds that adoption of the Standards is necessary and appropriate to aid the District in carrying out its statutory responsibilities; and

**WHEREAS**, this action was considered and taken at a duly noticed public meeting of the Board; and

**WHEREAS**, the Board finds that adoption of this Ordinance is not a “project” under the California Environmental Quality Act (“CEQA”) because it constitutes general policy and procedure making and/or organizational or administrative activity that will not result in a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment (14 CCR § 15378(b)(2) and (5)); and

**WHEREAS**, the Board further finds that, in the alternative, adoption of this Ordinance is exempt under the common sense exemption because it can be seen with certainty that there is no possibility that adoption of the Standards, by itself, may have a significant effect on the environment (14 CCR § 15061(b)(3)).

**NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF RECLAMATION DISTRICT 1608 AS FOLLOWS:**

**Section 1.** Adoption of Standards. The “Levee Encroachment Standards,” dated \_\_\_\_\_, are hereby adopted and incorporated by reference as the District’s official Levee Encroachment Standards. The Standards shall be maintained in the District’s records and made available for public inspection at the office of the District Secretary.

**Section 2.** Supersession; Existing Approvals. Upon the effective date of this Ordinance, the Standards adopted herein supersede and replace any prior levee encroachment standards or guidelines of the District to the extent inconsistent. Permits, agreements, and approvals previously issued by the District remain in effect according to their terms, subject to any provisions of the Standards governing nonconforming encroachments and future repairs, rebuilding, or replacement.

**Section 3.** Procedure and Implementation. The District shall implement the Standards through the permit, variance, and enforcement procedures set forth in the Standards. The District’s Levee Superintendent and/or District Engineer, as designated by the Board from time to time, are authorized to administer applications and field review consistent with the Standards, subject to final Board authority where required by the Standards.

**Section 4.** CEQA. The Board hereby confirms the CEQA determination set forth in the recitals above. The District Secretary is authorized to file a Notice of Exemption if deemed appropriate.

**Section 5.** First Reading; Second Reading and Adoption; Publication and Posting. (A) This Ordinance shall be introduced (first reading) at a regular meeting (or an adjourned regular meeting) of the Board and shall not be finally passed within five (5) days of its introduction. (B) Except when further reading is waived by regular motion adopted by majority vote, this Ordinance shall be read in full either at the time of introduction or passage; provided, however, that a reading of the title or Ordinance shall not be required if the title is included on the published agenda and a copy of the full Ordinance is made available to the public online and in print at the meeting prior to introduction or passage. (C) If this Ordinance (other than typographical or clerical corrections) is altered after introduction, it shall be passed only at a regular meeting (or an adjourned regular meeting) held at least five (5) days after alteration. (D) Within fifteen (15) days after final passage, the District Secretary shall cause the Ordinance to be published or posted in the manner required by applicable law, together with the names of the Trustees voting for and against the Ordinance. Publication/posting may be satisfied by publication of a summary and posting of the full text as permitted by applicable law.

**Section 6.** No Mandatory Duty of Care. This ordinance is not intended to impose, and shall not be construed or given effect in a manner that imposes, upon the District or any officer or employee thereof, a mandatory duty of care toward persons and property within

or without the District so as to provide a basis of civil liability for damages, except as otherwise imposed by law.

**Section 7. Severability.** If any provision of this ordinance or application thereof to any person or circumstances is held invalid, such invalidity shall not affect other provisions or applications of the ordinance which can be given effect without the invalid provision or application, and to this end the provisions of this ordinance are severable. The Board hereby declares that it would have adopted this ordinance irrespective of the invalidity of any particular portion thereof.

**Section 8. Effective Date.** This ordinance shall become effective thirty (30) days after its final passage and after publication/posting as required by law.

**Section 9. Certification.** The District Secretary shall certify adoption of this Ordinance and maintain the Ordinance and the Standards in the District’s official records.

On motion of Trustees \_\_\_\_\_, seconded by Trustees \_\_\_\_\_, the foregoing ordinance was duly passed by the Board of Trustees of Reclamation District 1608 at a regular meeting thereof held on \_\_\_\_\_, 2026, by the following vote:

AYES:

NOES:

ABSTENTIONS:

ABSENT:

**RECLAMATION DISTRICT NO. 1608**

By: \_\_\_\_\_

MICHAEL PANZER, President

ATTEST:

\_\_\_\_\_

ELVIA TRUJILLO, Secretary

**EXHIBIT A**

**LEVEE ENCROACHMENT STANDARDS**

The “Reclamation District 1608 Levee Encroachment Standards,” dated \_\_\_\_\_, are incorporated by reference into Ordinance 2026-02 and are maintained in the District’s official records. (Attach final Standards as adopted.)

**RECLAMATION DISTRICT 1608  
LEVEE ENCROACHMENT STANDARDS**

**ADOPTED: MARCH 21, 1997**

**REVISED:       JANUARY 7, 2000  
                  DECEMBER 6, 2002  
                  APRIL 2, 2004  
                  NOVEMBER 4, 2009  
                  MARCH 5, 2010  
                  APRIL 6, 2012  
                  MARCH 1, 2013  
                  NOVEMBER 5, 2015  
                  OCTOBER 2, 2019  
                  JUNE X, 2026**

# RECLAMATION DISTRICT 1608 LEVEE ENCROACHMENT STANDARDS

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**CHAPTER 1**  
**GENERAL PROVISIONS**

Section 1.01	Purpose and Authority
Section 1.02	History
Section 1.03	Definitions
Section 1.04	General Prohibitions
Section 1.05	Road

**Section 1.01. Purpose and Authority.** Reclamation District 1608 is charged by law (California Water Code sections 8700 et seq., and sections 50000 et seq.) with the responsibility of maintaining the levees which border the District on the North, West and South, for purposes of flood control. Promulgation of local reclamation district standards was approved by the State Reclamation Board on June 28, 1977, and was upheld as a police power of the Reclamation District in the matter of Reclamation District 1608 v. Buhari, Superior Court of California, County of San Joaquin, No. 189998. Accordingly, these Standards provide regulations for encroachment on or near the levees to aid the District in carrying out that responsibility. The Standards are designed primarily to ensure the integrity of the levees, to provide access for repair of the levees, and to provide capability for inspection of the levees. Therefore, these Standards are to be used as a guide to determine what encroachments will not be permitted and what encroachments, by way of limited construction of structures and the planting of certain specified vegetation, will be permitted specially by issuance of a permit, on and in the vicinity of, levees within the boundaries of Reclamation District 1608.

**Section 1.02. History.**

A. These Levee Encroachment Standards consolidate and replace those certain Revised Levee Encroachment Standards first adopted in 1977.

B. Due to historical conditions, differences in form of ownership, and reliance on past Standards issued by Reclamation District 1608, these Revised Levee Encroachment Standards do not apply uniformly to all the levees within the boundaries of Reclamation District 1608. Instead, there are hereby defined four areas: The **Southeast Levee**,

**Southwest Levee, Northwest Levee, and Northeast Levee.** Each of these is defined in Section 1.03 of these Standards.

**Section 1.03. Definitions.** As used in these Standards, the following words shall have the following meanings:

A. **"Building"** means any structure affixed to the ground or to another permanent structure, including, but not limited to roofs, eaves, fixed decks, overhangs, and any other permanent component or attachment..

B. **"District"** means Reclamation District 1608 of the State of California.

C. **"Standards"** means the standards set forth herein and adopted by Reclamation District 1608 to provide regulations for encroachment on or near the levees which border the District.

D. **"Levee"** means any permanent flood control embankment or structure of the District as it now exists or as it may hereafter be modified or reconstructed, or improved, including all segments depicted on Appendix S-1 BOUNDARY MAP.

E. **"Southeast Levee"** means that portion of the levee located along 14 Mile Slough near the southeast boundary of Reclamation District 1608 (see Appendix S; Standard Drawing S-1) and commencing at eastern boundary of RD 1608 at 14 Mile Slough east of Interstate 5, and running west on 14 Mile Slough to the boundary line between Lot 419 (Tract No. 874, Subdivision of San Joaquin County, Lincoln Village West, Unit No. 7, filed for record in Book of Maps and Plats, Volume 19, Page 1, San Joaquin County Records, 3502 Fourteen Mile Drive) and the western edge of Fritz Grupe Park;

F. **"Southwest Levee"** means that portion of the levee along 14 Mile Slough, commencing where the Southeast Levee leaves off, at the east property line of said Lot 419 (3502 Fourteen Mile Drive) adjacent to Fritz Grupe Park, and running westerly and northerly along 14 Mile Slough to the point of intersection with the south end of the levee along the eastern edge of the Lincoln Village West Marina; and then departing from 14 Mile Slough, and running along the levee on the eastern edge of said Marina, to a location approximately 400 feet north of the northern end of the Lincoln Village West Marina, more particularly described in the District's Easement Deed, Instrument No. 85075146 (at the Embarcadero West Commercial Properties and north side of driveway leading to Lincoln Village West

Marina);

G. **"Northwest Levee"** means that portion of the levee beginning along 14 Mile Slough and commencing where the Southwest Levee leaves off approximately 400 feet north of the northern end of the Lincoln Village West Marina, thence running northerly along 14 Mile Slough to its junction with 5 Mile Slough, and thence easterly along 5 Mile Slough to the east property line of Lot 1843 of Tract No. 1069, Subdivision of San Joaquin County, Lincoln Village West, Unit No. 27, filed for record in Book of Maps and Plats, Volume 21, Page 36, San Joaquin Records, which is the District's cross-levee fence at the northern end of Cumberland Drive; ( at 7046 Kennesaw Court)

H. **"Northeast Levee"** means that portion of the levee along 5 Mile Slough, commencing where the Northwest Levee leaves off at Lot 1843 of Tract No. 1069, Subdivision of San Joaquin County, Lincoln Village West, Unit No. 27, filed for record in Book of Maps and Plats, Volume 21, Page 36, San Joaquin Records, (7046 Kennesaw Court) at the District's cross-levee fence at the northern end of Cumberland Drive, and running easterly along 5 Mile Slough RD 1608's Eastern Boundary and 5 Mile Slough adjacent to Swenson Golf Course;

I. **"Encroachment"** means any permanent or temporary tower, pole, pipeline, fence, pump, planting, plant material, vegetation, dump, billboard, bridge, stand or building, or any structure or object of any kind or character which is placed in, under, over, upon or near any portion of any levee or other flood control, flood protection, or drainage works or facility of any kind or in any area of an adopted plan. The term also includes any obstruction to the free flow of water or any construction, enlargement, revetment, or alteration of any levee, embankment, canal, or other excavation in the bed of, or along the banks of, 14 Mile Slough, the Lincoln Village/West Marina, and 5 Mile Slough. It includes, but is not limited to, the use of any land for which the District has acquired a property right by ownership, easement, or otherwise.

J. **"Permit"** means approval, by means of issuance of permits, as set forth in Chapter 7 of these standards.

K. **"Levee Toe Drain"** means a subsurface rock and pipeline drainage system located adjacent to the landside levee toe in order to collect and drain water away from water

saturated levee soil;

L. **"Deck"** means any raised flat open platform affixed to the ground or another permanent structure, including, but not limited to, horizontal deck surfaces, side panels, beams, columns, foundations, and any other component parts of the deck structure;

M. **"Retaining Wall"** means any wall, free standing or laterally supported, that bears against earth or other fill to create level areas, including all footings, backfill, drainage components, and appurtenances.;

N. **"Patio"** means an outdoor area paved with concrete or masonry materials which lie on the ground.

O. **"Drainage Works"** means any permanent or temporary system, facility, channel, conduit, pump station, culvert, ditch, or appurtenance designed, constructed, or operated to collect, convey, control, or discharge stormwater, seepage, floodwater, or irrigation return flows within or adjacent to the District's boundaries, including but not limited to levee toe drains, relief wells, flap gates, and outlet structures.

P. **"Levee Crown"** means the top flat or crowned surface of the levee intended for patrol road and maintenance vehicle access, typically surfaced with Class II aggregate base.

Q. **"Theoretical Levee Section"** means the designed cross-sectional profile of the levee, including crown width, side slopes, and toe elevations, used to assess encroachments and ensure no intersections or impairments.

R. **"Levee Toe"** means the base of the levee slope where it meets the adjacent ground surface, either landside (inland) or waterside (river/slough side), critical for drainage and stability.

S. **"Nonconforming Encroachment"** means an existing encroachment lawfully installed and permitted under prior District standards but does not comply with current Standards. A Nonconforming Encroachment may continue only until it is demolished, or until any repair, reconstruction, or replacement involves a primary structural member, at which point the entire encroachment must be brought into full compliance with the current Standards, including any applicable permitting requirements. For purposes of this definition, "primary structural member" means any load-bearing post, beam, column, joist, footing, or

foundation element of the encroachment, as distinguished from cosmetic, surface, or finish components such as decking boards, fasteners, paint, sealant, or similar materials.

T. **“Variance”** means a discretionary deviation from Standards granted by the Board of Trustees upon finding special circumstances, subject to conditions ensuring no special privilege or public detriment.

U. **“Show Cause Hearing”** means a Board proceeding where a property owner must demonstrate why violations should not lead to permit revocation or court action.

V. **“Riprap”** means angular quarry stone placed on slopes for erosion protection, not to be disturbed or covered by encroachments.

W. **“Landside/Waterside”** means respectively the inland/rear side and river/slough-facing side of the levee, with distinct access and encroachment rules.

X. **“Vegetation”** means any living or dead plant material, whether naturally occurring or planted, located on or within the District’s property rights or within the area of applicability of these Standards. Vegetation includes, without limitation: trees (including trunks, limbs, branches, and roots), shrubs, bushes, vines, reeds, grasses, turf, groundcover, weeds, and similar growth, as well as stumps, downed limbs, leaf litter, and other vegetative debris that may affect levee inspection, maintenance, access, or performance.

Various terms referring to sections of the levee, areas on the levee, and areas within levee lots are shown on the Standard Drawings, inclusive, of these Standards.

**Section 1.04. General Prohibitions.**

A. No encroachment, of whatever nature, which is not either (1) specifically allowed without a permit by these Standards, or (2) granted a permit in accordance with these Standards, is permitted within the areas where these Standards apply (See Chapters 2, 3, 4, and 5).

B. Typical encroachments which are not permitted, and for which no permit will be issued, include, but are not limited to:

1. Overhead wires, except public utility wires;
2. Septic tanks;

3. Fuel tanks;
4. Wells;
5. Storage of construction material, debris, firewood, or miscellaneous items;
6. Parking (except in the area of the Marina);
7. Fish ponds or ornamental pools;

C. For any encroachment which is not specifically allowed without a permit under these Standards a written permit approved by RD 1608 in accordance with Chapter 7, of these Standards is required.

D. The listing, by way of example, of encroachments which will not be permitted does not imply that unlisted encroachments will be permitted. The general rule is that no encroachments which are not either specifically allowed by these Standards, or allowed by permit, will be permitted.

**Section 1.05. Road.** The District maintains a patrol road on the levee crown of all of their levees within its jurisdiction.

**Southwest Levee Area:** the road measures twelve feet (12') wide primarily consisting of decomposed granite and Class II  $\frac{3}{4}$  aggregate base., Only Class II -  $\frac{3}{4}$  inch aggregate base may be used in the Southwest Levee Area henceforth. The District may put headers along each or either side of the road to aid in preventing spread of the aggregate base down the landside or waterside levee slopes.

**Northwest Levee, Northeast, and the Southeast Levee Areas:** Roads may be surfaced in materials, including, but not limited to, or Class II -  $\frac{3}{4}$  inch aggregate base or asphalt, which, in the sole discretion of the District, shall be sufficient to satisfy the expected use of the road.

**General Requirements:**

- No encroachment permitted on crown roads unless otherwise specifically permitted by these Standards.
- Additional surfacing requires Chapter 7 permit and District approval confirming no interference with patrol, maintenance, or flood fighting access. Any such

additional surfacing must be maintained by the owner, and shall not interfere with the use of the access gates.

- Notwithstanding any other part of the Levee Encroachment Standards, only Class II  $\frac{3}{4}$  in Aggregate Base shall be allowed on the crown roadway, no lawn, grass, groundcover, vegetation, or alternative surfacing.

**CHAPTER 2**  
**SOUTHEAST LEVEE**

Section 2.01	Access
Section 2.02	Applicability
Section 2.03	Encroachments Allowed Without Permit.
Section 2.04	Encroachment Allowed Upon Issuance of a Permit

**Section 2.01. Access.** In the **Southeast Levee** area, the District owns the Levee outright (except for the Fritz Grupe Park parcel), having acquired it from the Lincoln Village Maintenance District and the Pacific Gardens Sanitary District. No member of the public, including the adjacent landowners, are allowed to access the Levee, except by permit issued by the District.,

**Section 2.02. Applicability.** In the **Southeast Levee** area these standards shall apply to all that area from the landside boundary of the property of the District to the outer edge of the boundary of the District, which outer boundary lies in 14 Mile Slough. The landside boundary of the District's property is the fence at the back of the homeowner's lots.

**Section 2.03. Encroachments Are Allowed Without A Permit.** There shall be no encroachment of any sort within the **Southeast Levee** area of applicability unless specifically authorized by these Standards.

**Section 2.04. Encroachment Allowed for Public Utility or Governmental Entity Upon Issuance of a Permit.**

A. The District will not issue permits for any encroachment in the **Southeast Levee** area, except that the District, in its sole discretion, may issue a permit to a public utility or governmental agency for an encroachment that complies with these Standards and for which that entity assumes full responsibility for construction, operation, and maintenance of any permitted encroachments in accordance with these Standards, over the entire levee area or major segment thereof, as determined by the District.

B. All pipes penetrating levees must comply with federal, state, and local regulations for construction and maintenance, with special restrictions as to depth and side slopes of excavation, depth of installation, cutoff walls, valves, backfill, revetment and such

other conditions as may be applicable to the individual project. Engineering certification is mandatory.

C. Buried conduits must meet identical technical restrictions as pipes penetrating levees, including engineering certification.

D. Suitable soil (Class I - Levee Fill) may be placed on or against the landside levee slopes only with a permit specifying approved placement method, and the volume of the material.

E. Poles and appurtenances, including anchors, guys, and cables, belonging to public utilities or public agencies require permits And must be located at least ten feet (10') inland of the landside levee toe.

**CHAPTER 3**  
**SOUTHWEST LEVEE**

Section 3.01	Access
Section 3.02	Applicability
Section 3.03	Encroachments Allowed Without Permit
Section 3.04	Encroachment Allowed Upon Issuance of a Permit

**Section 3.01. Access.** Access to and use of the **Southwest Levee** is governed by property ownership and recorded easements. The District holds a dedicated easement over all lots for flood control, maintenance, inspection, and patrol purposes. Private landowners hold fee title beneath the levee but all encroachments and uses remain subject to these Standards. Therefore, any encroachment (any construction, structure, etc.) or uses within Section 3.02 must fully comply with these Standards.

**Section 3.02. Applicability.** **Southwest Levee** Standards apply from the northerly line of the District's dedicated easement (recorded at Page 94 of Book 3304 of San Joaquin County Records) inland, to the District's boundary at 14 Mile Slough.

Along the eastern edge of the Lincoln Village West Marina, Standards apply from a line ten feet (10') inland of the landside levee toe to a line ten feet (10') of the waterside levee toe.

**Section 3.03. Encroachments Allowed Without Permit.** All encroachments within the Southwest Levee require a permit issued by the District. No encroachment of any kind may be installed, maintained, or continued within the Southwest Levee area unless a valid permit has been issued by the District in accordance with Chapter 7 of these Standards.

**Section 3.04. Encroachment Allowed upon Issuance of a Permit.**

- A. Vegetation.
  - 1. Vegetation may be permitted, upon issuance of a permit, in accordance with Chapter 6 of these Standards. Permittees bear full maintenance responsibility; District assumes no obligation.

2. For avoidance of doubt, this subsection applies only to vegetable gardens and related improvements located in whole or in part within the District's area of applicability (Section 3.02) and/or on land subject to the District's property rights (including recorded easements), provided such gardens meet the following conditions:

a. Such gardens do not interfere with maintenance or inspection of the levee.

b. No more than 25% of the width of the lot, or 15 feet, whichever is smaller, may be planted in large bushy plants such as corn, tomatoes, grapes and peas.

c. There is not a maintenance access road along the levee toe.

d. The adjacent levee slope is not sprayed with herbicide by the District.

e. The levee is not experiencing burrowing rodent activity. If there is burrowing rodent activity in the immediate vicinity, the vegetable garden permittee shall control the rodents to the satisfaction of the District or remove the garden.

f. Vegetable gardens must be maintained and kept pruned.

g. Composting of materials will not be allowed on the levee section or within ten feet (10') of the levee toe.

3. The District may require the removal of a permitted vegetable garden if at any time the requirements of these Standards are not met; or if it is deemed the vegetable garden poses a threat to the integrity of the levee; or the vegetable garden interferes with the regular maintenance and inspection of the levees.

4. Advisory (Non-Regulatory): Although gardens located entirely outside District property rights are not subject to these Standards, owners are encouraged to follow the setback and maintenance practices in this subsection to minimize visibility obstructions and avoid conditions that could affect levee inspection or maintenance.

B. Steps on the levee may be permitted, upon issuance of a permit, if such steps meet the following standards:

1. Any steps on a levee, other than wooden flights as hereinafter provided, shall be of concrete or of rock or brick embedded in concrete, and shall be built into the levee slope so as to be flush with the slope or not more than twelve inches (12") above the

slope on the landside or waterside sides where the adjacent area is landscaped, and provided the landscaping is maintained;

2. No steps shall penetrate the theoretical levee slope to a depth greater than twelve inches (12");

3. Wooden steps may be permitted on the landside or waterside sides of the levee slope provided they (i) conform to dimensional limitations applicable to concrete and masonry steps, and (ii) do not interfere with District inspection, maintenance, or access. Handrails are permitted on both the landside and waterside slopes. Any permitted handrail shall be installed and maintained so as to not obstruct visibility of the slope or impede maintenance equipment and shall be removed upon District request when necessary for access or repair.

The area adjacent to such wooden steps shall be landscaped and maintained so that weed or brush removal by the District is not required. The owner or applicant is responsible for structural maintenance of the steps and erosion control and slope protection beneath and around the steps.

C. Horizontal walkways and decks require permits, and must meet the following standards:

1. Horizontal wooden or concrete walkways or decks may be permitted on landside or waterside sides of the levees, if they do not cut into the levee theoretical section or interfere with maintenance, or with visibility of the levee and levee toe for purposes of inspection. Interference with maintenance or visibility will be determined on a case by case basis upon application for a permit. Generally, however, the following are minimum guidelines;

Horizontal wooden decks and the area under the decks shall be readily accessible. For purposes of this subsection C., the meaning of "accessible" includes clearly visible from the crown of the levee, whether by a person on foot or in a vehicle. The area from the deck to the ground shall not be enclosed, whether by structures, curtain walls, or obscured by vegetation.. The total width of horizontal walkways and decks shall be limited to a maximum of fifty percent (50%) of the longitudinal distance along the levee on any lot (see Appendix S; Standard Drawings S-15 & S-16). Deck construction shall be such that the

ground underneath is accessible for maintenance; and therefore, at least fifty percent (50%) of the deck area (a greater percentage may be required by the District; such percentage will be specified in the permit) for wooden decks shall be composed of readily removable sections for inspection and maintenance of the ground underneath. The area of the deck which is readily removable shall be removable in sections (but not more than six (6) sections), each of which does not exceed 200 pounds total weight, and each of which can be carried by hand. No roofed structures, or walls more than two (2) feet above the deck surface, will be permitted, except that open frames which support lightweight sunshade materials and which are not permanently affixed to the deck or to each other, which are constructed in such a fashion as to be readily removable, and each of which does not exceed two hundred (200) pounds total weight, and each of which can be carried away by hand, may be permitted. Upon notice of Reclamation District 1608 of the need for inspection or maintenance, property owners having such facilities shall immediately remove the panels and deck sections requested by the District for the period of time deemed necessary by Reclamation District 1608; (Amended, Res. 97-09).

2. Decks require a permit. No deck may extend waterside such that any portion of the deck structure, including framing, decking, or supports, is positioned over or above the top surface of the riprap. Any such positioning covers the riprap, interferes with inspection visibility, and impairs maintenance access. This prohibition applies regardless of whether the deck component physically contacts the riprap..

The prohibition expressed in this subsection does not apply to decks constructed before July 6, 1984, or decks for which an application for permit was pending on July 6, 1984. However if any such deck undergoes repair, reconstruction, or rebuilding that involves any primary structural member, as defined in Section 1.03(S), it shall thereafter be brought into compliance with this subsection and any other conditions set forth in the permit.

In addition, the District may remove, or direct the owner to remove (at the owner's expense, any such deck or any necessary portion of such deck, as necessary to obtain access for inspection, maintenance, repair, reconstruction, flood fighting, or other District work, without liability to the District for costs, damages, repair, or replacement. The discretion as to the necessity for such removal shall be in the District's sole judgement.

3. Maintenance work around such structures shall be done by the applicant or owner. Slopes under walkways or decks shall be properly protected from erosion and kept free of weeds and brush.

4. All walkways connecting between house or deck and the levee, and all deck extensions within the levee theoretical section shall preferably be constructed such that they are readily detachable and removable with ordinary equipment in the event that removal is necessary for access to the landside or waterside sides of the levee.

If any such walkway or deck extension is not readily detachable and removable with ordinary equipment, the District shall have the right to remove it without liability for cost, damages, or replacement in the event removal is necessary, in the District's sole judgment, for access to the landside or waterside sides of the levee, whether an emergency situation exists or not.

D. Boat ramps, docks, or similar facilities require a permit. Boat ramps, docks, and similar facilities shall not be cut into the levee section. All such installation on the berm and bank shall be properly maintained by the applicant or owner. Slopes under elevated ramps shall be properly rocked with 18 inch minus (18"-), quarry stone riprap for protection from erosion. Any existing bank rock shall not be disturbed.

E. All pipes penetrating levees shall conform to Federal regulations and state and local requirements for construction and maintenance, with special restrictions as to depth and side slopes of excavation, depth of installation, cutoff walls, valves, backfill, revetment and such other conditions as may be applicable to the individual project. Engineering certification is required.

F. Water pipes and sprinkling systems require a permit on the landside side, or the waterside side slopes of the levee section. Any valves in any systems or pipes (including hose bibs) shall be located at least ten feet (10') inland from the landside levee toe. Any pipes shall be buried no deeper than eight inches (8") into the theoretical levee slope, and they shall otherwise meet the conditions and specifications approved by the Central Valley Flood Protection Board. No ditches shall be dug in the levee section for flowing or standing water. Vegetation may be watered by hand or approved sprinkling systems. Watering shall be so controlled as to prevent erosion of the levee slopes. No system which contains pipes

or hoses which remain pressurized when not in actual use shall be allowed if the portion or portions of the system which remain pressurized are located in the area between the District's waterside boundary and a line ten feet (10') inland from the levee toe.

G. Buried conduits shall be subject to the same requirements as those applied to pipe installations.

H. Suitable soil may be placed on or against the landside levee slope, if a permit has been issued approving the method of placing, and the amount of, the material.

I. No fences parallel to the levee shall be permitted within the District's jurisdiction except as specifically permitted in this paragraph. Parallel open-fabric chain link fences, or open wrought iron fences, kept free of vegetation and of lathe or other coverings, may be allowed only at a line ten feet (10') inland from the levee toe or at the landside levee toe, upon issuance of a permit. Further, all such fences shall be so constructed that the fence may be easily removed with ordinary equipment. If such fence is not constructed so as to be readily removed with ordinary equipment, the District shall have the right to remove it without liability for cost, damages, or replacement in the event removal is necessary, in the District's sole judgment, for access to the land side of the levee, whether an emergency situation exists or not. In all levee areas, parallel fences shall not be permitted outside the line ten feet (10') inland from the landside levee toe or the levee toe depending on which option is permitted (see Appendix S; Drawing S-14).

J. Engineered retaining walls are only allowed on the landside pursuant to an approved permit provided that the walls are twenty-four inches (24") or less in height, and the foundation does not extend more than twenty four inches (24") into the ground..

K. Each levee lot owner may extend a fence along the sidelines of that owner's lot, up the landside face of the levee, across the crown of the levee with a double wide gate installed per District standards, and to the water's edge, upon issuance of a permit, subject to the following conditions listed in subsections 1. through 5. below:

1. Fence posts and supports shall not extend a distance greater than twenty four inches (24") deep into the theoretical levee section.

2. Each fence shall have a double wide swinging gate of a type that may be easily opened from either side, at least twelve feet (12') in width, which gate shall remain

unlocked at all times, and which gate when open will permit passage along the road on the crown of the levee, by motor vehicles, including but not limited to, trucks. Each such gate constructed, reconstructed, or repaired where such repair is greater than 50% of replacement value, in accordance with Section 9.03 of these Standards, shall substantially comply in construction technique with Appendix S; Standard Drawings S-17.1 and S17.2. of these Standards.

3. Such gates will be opened by the lot owner and left open upon request by the District during such times, in the opinion of the District, as immediate access to the road on the crown of the levee may be necessary.

4. Such gates may be opened and shut by the District at intervals when the District may use the road on the crown of the levee for purposes of inspection, maintenance, flood fighting, renovation, construction, or reconstruction of the levee or the levee crown road.

5. No portion of any cross-fence in the area from a line ten feet (10') inland from the landside levee toe to the water's edge shall be constructed of masonry or concrete.

L. Buildings may be allowed, upon issuance of a permit, provided those buildings meet the following conditions:

1. No building foundations shall intersect the theoretical levee section.
2. Buildings shall be set back a minimum of ten feet (10') from the landside levee toe,
- ~~3.~~ No exceptions within ten feet (10') regardless of levee width (toe visibility critical for seepage monitoring).

M. Poles and appurtenances, including anchors, guys, and cables require a permit. Generally, such poles, appurtenances, anchors, guys or cables should be located at least ten feet (10') inland of the landside levee toe.

N. Patios (At-Grade).

1) Scope/Jurisdiction. This subsection applies only to patios and related improvements located in whole or in part within the District's area of applicability for the Southwest Levee (3.02) and/or on land subject to the District's property rights (including

recorded easements). A patio located entirely outside the District's property rights is not regulated by these Standards and does not require a District permit. The permit application shall include a plot plan showing the recorded easement boundaries and the proposed patio footprint.

2) Permit Required Within District Area. Patios that lie upon the ground may be permitted only upon issuance of a permit, and only in the following locations:

1) Landside: Within that portion of the District's property rights that lies landward of a line ten feet (10') inland from the landside levee toe; and

2) Within the terraced or berm portion of the waterside levee where the District's Standards expressly allow at grade improvements. For avoidance of doubt, patios are permitted within the landside setback area described in clause (1) above, subject permit issuance and compliance with these Standards.

3) Prohibited Areas. No at-grade patio is permitted on the levee crown or levee side slopes.

## **CHAPTER 4** **NORTHWEST LEVEE**

Section 4.01	Access
Section 4.02	Applicability
Section 4.03	Encroachments Allowed Without Permit
Section 4.04	Encroachment Allowed Upon Issuance of a Permit

**Section 4.01. Access.** The District owns in fee the **Northwest Levee** and all property within the Section 4.02 applicability area., Individual homeowners hold limited easements subordinate to District flood control over this property..

### **Homeowner Easement Limitation.**

1. **Encroachment Easement:** Permits homeowner improvements (structures, fences, etc.) only between the rear property line and the landside levee crown edge, subject to strict compliance with these Levee Encroachment Standards and easement terms.
2. **Pedestrian Access Easement:** Grants foot and bicycle access along the entire levee crown and waterside slope to all Northwest Levee homeowners exclusively, no motor vehicles, scooters, or powered vehicles permitted.

**District Supremacy.** All private easements, uses, and encroachments remain subject to these Standards. District retains unrestricted priority access for maintenance, inspection, flood fighting, and patrol road operations.

**Section 4.02. Applicability.** Northwest Levee Standards apply from the rear (closest to the levee) of the subdivision lot line of the lots adjacent to the levee, to the outer edge of the boundary of the District, which boundary lies in 14 Mile Slough or 5 Mile Slough. Includes all encroachments that are associated with improvements on the individual homeowner's property.

**Section 4.03. Encroachments Allowed Without Permit.** There shall be no encroachments of any sort within the Northwest Levee area of applicability unless specifically allowed by these Standards and permitted accordingly.

**Section 4.04. Encroachment Allowed Upon Issuance of a Permit.**

A. Notwithstanding any other provision of these Standards, no encroachment of any sort, including but not limited to vegetation, shall be permitted in the Northwest Levee in the area between the landside edge of the levee crown and the District's waterside boundary, except that the District, in its sole discretion, may issue a permit to a public utility or governmental agency for an encroachment that complies with these Standards and for which that entity assumes full responsibility for construction, operation, and maintenance of any permitted encroachments in accordance with these Standards, over the entire levee area or major segment thereof, as determined by the District.

B. Vegetation.

1. Vegetation may be permitted, upon issuance of a permit, in accordance with Chapter 6 of these Standards. Any vegetation so permitted must be maintained by the permittee, and the District shall not be responsible for such maintenance.

2. For avoidance of doubt, this subsection applies only to vegetable gardens and related improvements located in whole or in part within the District's area of applicability (Section 4.02) and/or on land subject to the District's property rights (including recorded easements) , provided such gardens meet the following conditions:

- a. The gardens do not interfere with maintenance and inspection;
- b. No more than 25% of the width of the lot, or 15 feet, whichever is smaller, may be planted in large bushy plants such as corn, tomatoes, grapes and peas;
- c. There is not a maintenance access road along the landside levee toe;
- d. The adjacent levee slope is not sprayed with herbicide by the District; and

e. The levee is not experiencing burrowing rodent activity. If there is burrowing rodent activity in the immediate vicinity, the vegetable garden permittee shall control the rodents to the satisfaction of the District or remove the garden.

3. Notwithstanding Section 4.04 B.2., no vegetable gardens will be allowed along within the area of applicability (See Section 4.02), from the weir at the junction of Five Mile Slough and Fourteen Mile Slough easterly to the District's eastern boundary, as the District regularly applies herbicides in this area.

4. The District may require the removal of a permitted vegetable garden if at any time the requirements of it are deemed the vegetable garden poses a threat to the integrity of the levee; or the vegetable garden interferes with the regular maintenance and inspection of the levee.

5. Advisory (Non-Regulatory): Although gardens located entirely outside District property rights are not subject to these Standards, owners are encouraged to follow the setback and maintenance practices in this subsection to minimize visibility obstructions and avoid conditions that could affect levee inspection or maintenance.

C. Steps on the levee may be permitted, upon issuance of a permit, if such steps meet the following standards:

1. Any steps on a levee, other than wooden flights as hereinafter provided, shall be of concrete or of rock or brick embedded in concrete, and shall be built into the levee slope so as to be flush with the slope or not more than twelve inches (12") above the slope where the adjacent area is landscaped, and provided the landscaping is maintained.

2. No steps shall be dug into the theoretical levee slope to a depth greater than twelve inches (12").

3. Wooden steps may be permitted on the landside of the levee slope provided they (i) conform to dimensional limitations applicable to concrete and masonry steps under these Standards, and (ii) do not interfere with maintenance. Handrails are permitted on both the landside and waterside slopes. Any permitted handrail shall be installed and maintained so as to not obstruct visibility of the slope or impede maintenance equipment and shall be removed upon District request when necessary for access or repair.

The area adjacent to such wooden steps shall be landscaped and maintained so that routine weed or brush removal by the District is not required. The owner or applicant is responsible for all structural maintenance of the steps for erosion control and slope protection beneath and around the steps.

D. Steps or stairways leading down from any deck or house on the owner's lot shall have the foot of such step or stairways terminate outside the District's property.

E. Pipes and sprinkling systems will be allowed, on issuance of a permit, provided the following conditions are met:

1. All pipes penetrating levees shall conform to Federal regulations and state and local requirements for construction and maintenance, with special restrictions as to depth and side slopes of excavation, depth of installation, cutoff walls, valves, backfill, revetment and such other conditions as may be applicable to the individual project. It is recommended that proper engineering consultation and data be obtained in all such cases;

2. Water pipes and sprinkling systems may be permitted on the landside of the levee section. Any valves in any systems or pipes shall be located on the lot owner's lot and not on the levee or the District's property. Any pipes shall be buried no deeper than eight inches (8") into the theoretical levee slope, and they shall otherwise meet the conditions and specifications approved by the Central Valley Flood Protection Board. No ditches shall be dug in the levee section for flowing or standing water. Vegetation may be watered by hand or approved sprinkling systems. Watering shall be so controlled as to prevent erosion of the levee slopes. No system which contains pipes or hoses which remain pressurized when not in actual use shall be allowed if the portion or portions of the system which remain pressurized are located in the area between the District's waterside boundary and a line ten feet (10') inland from the levee toe.

F. Buried conduits, if allowed by issuance of a permit, shall be subject to special restrictions similar to those applied to pipe installations.

G. Suitable soil (Class I Levee Fill) may be placed on or against the landside levee slope, to a very limited extent, if a permit has been issued approving the method of placing, and the amount of the material.

H. Parallel/Rear-Yard Fences (See-Through Guidance; District Jurisdiction)

a) Fences Outside District Easement (Rear of Residence – Guidance Only). For fences located entirely outside the District's levee easement/other District property rights (i.e. on the owner's private property at the back of the residence), no District encroachment permit is required and the District does not regulate the fence. However, as guidance to preserve levee visibility and access, any such rear-yard fence should be "see through," meaning an open-fabric, chain-link, or open wrought-iron fences, kept free of vegetation and without lath, slates, screening, or other coverings. Such fences must comply with any conditions on any permit issued for the property.

b) Fences Within District Jurisdiction (Permit Required). No fence of any type (including parallel fences) is allowed within the District's levee easement or other District property rights. Any fence located in whole or in part within the District's easement/property rights constitutes an encroachment and may be subject to removal or enforcement action under these Standards.

I. Cross-fences will not be permitted except that a fence extending along the sidelines of each lot, to, but not up, the levee landside slope, may be allowed provided a permit is issued therefore and the following conditions of subsections J.1 through J.5 are met:

1. Where the fence intersects the landside levee slope, the top of the fence shall continue horizontally, and the bottom of the fence shall follow the slope of the levee (see Appendix S; Standard Drawing S-14);

2. Fence posts and supports shall not extend a distance greater than twenty four inches (24") deep into the theoretical levee section;

3. No cross-fence shall be constructed of masonry or concrete;

4. Said cross-fences shall preferably be so constructed that the portion of the fence commencing at a line ten feet (10') inland from the landside toe of the levee and then waterside to the end of the fence will open either in the manner of a gate pivoting on a post placed on the lot line at a point ten feet (10') landward of the landside toe of the levee, or by being constructed as an easily removable section.

If any such fence is not constructed so as to be either readily opened or removed with ordinary equipment, the District shall have the right to remove it without liability for cost, damages, or replacement in the event removal is necessary, in the District's sole judgment, for access to the land side of the levee, whether an emergency situation exists or not;

5. Said cross fence gates shall preferably be kept unlocked and unobstructed at all times so that the ten feet (10') of such cross fences closest to the landside toe of the levee may be easily removed or swung fully open at all times.

If any such fence gates are not unlocked or unobstructed, and it shall be necessary, in the District's sole judgment, to pass through such fence for access to the land side of the levee, whether an emergency situation exists or not, the District shall have the right to remove such fence, or lock, or obstruction, without liability for cost, damages, or replacement.

J. Poles and appurtenances, including anchors, guys, and cables, may be allowed upon issuance of a permit. Generally, such poles, appurtenances, anchors, guys or cables should be located at least ten feet (10') inland of the landside levee toe.

**CHAPTER 5**  
**NORTHEAST LEVEE**

Section 5.01	Access
Section 5.02	Applicability
Section 5.03	Encroachments Allowed Without a Permit
Section 5.04	Encroachment Allowed Upon Issuance of a Permit

**Section 5.01. Access.**

**District Exclusive Control.** Access to and use of the Northeast Levee is restricted to District authorized personnel only. The District owns the levee and all property within the Section 5.02 applicability area (except single parcel near I-5).

**No Private Access or Encroachment.** No member of the public, including adjacent landowners, may access the levee or place any encroachment except by District-issued permit pursuant to Chapter 7.

**Section 5.02. Applicability.** Northeast Levee Standards shall apply to all that area from the rear (closest to the levee) subdivision line of the lots adjacent to the levee, to the outer edge of the boundary of the District, which boundary lies in 5 Mile Slough.

**Section 5.03. Encroachments Allowed Without a Permit.** Except as expressly provided in Section 5.04, there shall be no encroachment of any sort within the Northeast Levee area of applicability unless specifically allowed by issuance of a permit.

**Section 5.04. Encroachment Allowed for a Public Utility or Governmental Entity Upon Issuance of a Permit.**

A. As a general rule, the District will not issue permits for any encroachment in the Northeast Levee area, except that the District, in its sole discretion, may issue a permit to a public utility or governmental agency for an encroachment that complies with these Standards and for which that entity assumes full responsibility for construction, operation, and maintenance of any permitted encroachments in accordance with these Standards,

over the entire levee area or major segment thereof, as determined by the District..

B. All pipes penetrating levees shall conform to Federal regulations and state and local requirements for construction and maintenance, with special restrictions as to depth and side slopes of excavation, depth of installation, cutoff walls, valves, backfill, revetment and such other conditions as may be applicable to the individual project. It is recommended that proper engineering consultation and data be obtained in all such cases.

C. Buried conduits shall be subject to special restrictions similar to those applied to pipe installations.

D. Suitable soil may be placed on or against the landside levee slope, if a permit has been issued approving the method of placing, and the amount of, the material.

E. Poles and appurtenances, including anchors, guys, and cables, belonging to public utilities or public agencies, may be allowed upon issuance of a permit. Generally, such poles, appurtenances, anchors, guys or cables should be located at least ten feet (10') inland from the landside levee toe.

## **CHAPTER 6 VEGETATION**

Section 6.01	General
Section 6.02	Background
Section 6.03	General Vegetation Standards
Section 6.04	Maintenance Standards
Section 6.05	Encroachment Applications
Section 6.06	Allowable Vegetation

**Section 6.01. General.** In all cases where vegetation is allowed by permit, Section 131, Title 23, California Code of Regulations and Sections 6.02 through 6.06 of these Standards shall apply to such vegetation.

**Section 6.02. Background.** Vegetation on or near the levee is generally discouraged by Reclamation District 1608 and the Central Valley Flood Protection Board because it can impede access to flood control facilities and hinder inspection activities. Vegetation may also adversely affect levee performance, including by increasing maintenance burdens and, during high wind and/or water events or when not properly maintained, causing damage to levee features or slopes. Notwithstanding the foregoing, the District recognizes that adjacent property owners have a legitimate interest in maintaining certain vegetation near the levee. Accordingly, the District has determined that limited categories of vegetation may be acceptable under these Standards, provided that such vegetation is installed, maintained, and managed in strict compliance with the procedures and requirements contained in these standards.

**Section 6.03. General Vegetation Standards.**

- A. All vegetation is subject to removal or destruction without compensation during times of emergency.
- B. All vegetation must be limited to non-commercial uses.
- C. Any planting or retention of vegetation must be done in accordance with the procedures for granting permits contained in Chapter 7 of these Encroachment Standards.
- D. Maintenance of the vegetation will be the responsibility of the owner. Failure

on the part of the permittee to maintain the vegetation in a controlled manner may result in legal action by Reclamation District 1608 to effect removal of the vegetation and/or revoke any permits associated with the property.

E. No vegetation which hinders the use of the road on the crown of the levee will be allowed.

F. The proposed location of vegetation in general, and of trees in particular, that could obstruct access, inspection, or visibility in the area between the toe of the levee and a line ten feet (10') from the toe of the levee will be carefully reviewed by Reclamation District 1608. Permits for vegetation, which, in the sole discretion of Reclamation District 1608, will obstruct such access, inspection, or visibility will be denied although the proposed vegetation may meet all other standards set forth herein.

**Section 6.04. Maintenance Standards.** In order to ensure the integrity of the flood control works and to minimize interference with normal inspection and maintenance practices, the following maintenance requirements will be met:

A. All areas where approved vegetation is allowed, shall be maintained free of unapproved vegetation, including removal of existing unapproved growth and prevention of regrowth.

B. Trees will be kept pruned so that all branches are at least six feet (6') above the ground level at all points.

C. Plants shall be trimmed and maintained with so as to preserve clear visual inspection of the landside and waterside levee slopes and toe areas at all times. All plant growth shall be maintained at a clearance of two feet (2') above the ground. The District may specify minimum spacing requirements as a condition of any vegetation permit, based on plant type, mature size, and location relative to the levee slope and toe. Applicants shall submit a landscaping plan in sufficient detail to allow the District to evaluate spacing compliance. D. Watering of vegetation will be controlled to prevent over saturation and erosion of the levee.

E. All permitted ground cover and lawns shall be trimmed and/or mowed to a height no more than two inches (2") in height.

F. No vegetation will be allowed to exceed forty feet (40') in height. The District may specify a lower maximum height as a condition of any individual permit based on location relative to the levee crown, access road, or inspection sightlines.

**Section 6.05. Encroachment Applications.** All applications for vegetation encroachment must contain sufficient information to allow complete study of the proposed encroachment. Landscaping plans sufficient to allow complete review by Reclamation District 1608 must be submitted if requested by the District or its representatives.

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**Section 6.06. District Provided Gravel Levee Landside Slope:** Property owners may submit a written request to the District for removal of all the vegetation on the levee landside slope to be replaced with gravel at the District's cost. The District Board retains the sole discretion and authority to approve or deny, in whole or in part, a vegetation removal request set forth in this Section.

Before the District performs vegetation removal and gravel installation, the property owner, at its sole cost and expense, must remove any existing irrigation system in the affected area and install or replace, any curbing or borders for non-gravel pathways traversing the slope.

Once gravel has been installed in accordance with this Section, the District will maintain the gravel in accordance with these Standards and spray herbicide annually to prevent any weed growth. Any existing permit for encroachments issued by the District for the property will be amended accordingly to omit the removed vegetation.

**CHAPTER 7**  
**PERMIT PROCEDURE**

Section 7.01	Application
Section 7.02	Copies
Section 7.03	Information
Section 7.04	Number of Encroachments
Section 7.05	Approval
Section 7.06	Condition
Section 7.07	Appeal
Section 7.08	File
Section 7.09	Agreement

**Section 7.01. Application.** Each applicant for a permit shall first ascertain whether the encroachment or encroachments for which the applicant wished to obtain approval is a type of encroachment for which a permit may be issued, in accordance with these Revised Standards. The applicant must then complete the form titled, "Application for Approval of Plans and/or Encroachment Permit," as provided in Appendix A of these Standards. . Additional copies of this form may be obtained from the Levee Superintendent for the District.

**Section 7.02 Deposit of Fees for Engineering Review.** At the time of application, the District may require the applicant to deposit funds to cover anticipated engineering review and administrative costs associated with processing the application. The amount of any such deposit shall be determined in accordance with the District's duly adopted fee schedule, as established and amended from time to time by the Board of Trustees in accordance with California law. Any unused portion of the deposit will be refunded to the applicant following completion of the review.

**Section 7.03. Copies.** The applicant should submit three (3) completed copies of the application, and three (3) copies of the plot plan and/or applicable building plans to the District's Levee Superintendent. The County Recorder charges fees from time to time for recordation of the Agreement discussed in Section 7.09 below. At the time of application, the applicant shall pay to the District the estimated County Recorder fees. Any unused or

excess fees will be reimbursed to the applicant.

**Section 7.04. Information.** All applications for vegetation or structural encroachments must contain sufficient information to allow a complete review of the proposed encroachment. Appendix D of these Standards includes examples of a location and plot plan to be submitted as an enclosure to all applications for encroachment. Appendix D of these Standards includes examples of a location and plot plan to be submitted as an enclosure to all applications for encroachments. These are intended as guides only, to establish the nature of the information required. Applications for structural encroachments shall, in addition to the information required above, include attachments showing all structural foundation details in the levee encroachment area. Correct representation of existing conditions is the responsibility of the applicant.

**Section 7.05. Number of Encroachments.** Each application may be for any number of encroachments as long as sufficient information to allow complete study of all proposed encroachments is included.

**Section 7.06. Approval.** Applications for encroachments which are allowed by these Revised Standards will be approved solely by the District.,. After review, establishment of conditions, if any, and approval by the District, the District will return the application to the applicant. An approved application shall constitute a permit. No application will be approved until the Agreement required by Section 7.09 of these standards is recorded. No construction shall commence until a permit is issued.

**Section 7.07. Conditions.** As a condition of the permit, the owner or applicant shall be required to maintain the landside and/or waterside slope of the levee. No encroachment, whether the landside, the waterside, or on the levee crown shall impair or hinder the maintenance, repair, or construction of the levee, or the road, or travel thereon by District equipment or personnel. All encroachments shall be at the risk of the owner or applicant. In the event maintenance, construction, or reconstruction of the levee which is made more

costly because of any encroachment than it would be otherwise, the owner or applicant shall pay all such additional cost to restore the levee to its original condition. The District may add other conditions to the permit in its sole discretion.

**Section 7.08. Reconsideration.** In the event of dissatisfaction or disagreement by any owner, with regard to a decision on their permit application by the District, the property owner may request reconsideration by the Board of Trustees within sixty (60) days of the original decision. The Board's decision on reconsideration shall be final.

**Section 7.09. File.** The District shall retain a copy of all permits issued.

**Section 7.10. Agreement.**

A. Because of the special conditions applicable in the District, prior to the issuance of any permit or the endorsement of any application for permit by District allowing any encroachment, and as a condition to the issuance of said permit, the owner of the subject lot shall execute an agreement between said owner and District which agreement shall be acknowledged the owner and District, subordinated to any encumbrances affecting the subject lot and recorded in the official records of the County of San Joaquin.

B. The agreement mentioned in Subsection 7.09.A. of these Standards shall provide for, among other things, the following:

1. Such agreements shall contain a recital that the use of the subject lot or other interest in land of concern is subject to the Encroachment Standards of Reclamation District 1608.

2. As to any encroachment not expressly permitted by these Standards, said agreement shall provide that District may remove said encroachments and District shall be granted express permission by Owner, to enter Owner's property and to remove, without notice to owner and without liability to owner, any such encroachment. Such agreement shall further provide that in the event District removes such an encroachment, owner shall promptly pay to District, upon presentation of a statement, the actual cost of removing such encroachment.

3. Such agreement shall further provide that District shall also have the right to obtain the removal of any encroachment not permitted by these Standards and by valid permits by appropriate judicial proceeding, including any preliminary relief which may be proper.

4. When such agreement has been recorded in connection with issuance of the first permit for any lot or of interest in land, such agreement need not be made or recorded for subsequent permits. Examples of the form of agreements mentioned herein are included as Appendices B and C to these Standards.

**CHAPTER 8**  
**PROCEDURE FOR VIOLATIONS**

Section 8.01	History
Section 8.02	Procedures
Section 8.03	Special Procedures Relative to Vegetation

**Section 8.01. History.** The procedure for violations set forth in this Chapter 7 supersedes that procedure adopted by Resolution 82-83-4 of the Board of Trustees of Reclamation District 1608 on February 4, 1984.

**Section 8.02. Procedures.**

A. Investigation. Upon report of any alleged violation of the District's Levee Encroachment Standards, the Levee Superintendent shall promptly investigate the allegations. The Levee Superintendent may also investigate any potential violation observed in the field or otherwise brought to the District's attention.

B. Notice of Violation. If the investigation indicates that a violation exists, the Levee Superintendent or the District Engineer, shall prepare and serve a written Notice of Violation to the record owner(s) of the affected property. The Notice shall:

1. Identify the nature and location of the violation;
2. Specify the corrective action required and a reasonable deadline for compliance;
3. Advise the owner of the opportunity to appear before the Board of Trustees if the violation is not corrected;
4. State that failure to comply may result in revocation of permits, removal of unpermitted encroachments, and/or legal action to compel compliance.

Service of the Notice shall be by first-class mail to the last known address of the property owner on record. Notice is deemed effective upon deposit in the U.S. mail.

C. Status Report to the Board. Before to the next regular monthly meeting of the Board of Trustees, the Levee Superintendent, supported by the District Engineer, shall reinspect the site, and report the status of compliance to the Board. The Superintendent

shall continue to report at each subsequent regular meeting until the violation is resolved.

D. Show-Cause Hearing. If the violations have not been corrected by the time of the meeting identified in subsection 8.02(C), the Attorney for the District, at the direction of the Board, shall issue a letter directing the property owner(s) to appear before the Board at its next regular monthly meeting to show cause why the Board should not authorize enforcement action, including initiation of court proceedings or revocation of any existing permit.

E. Conduct of Show-Cause Hearing. Prior to the hearing, the Levee Superintendent, in coordination with the District Engineer, shall reinspect the property and prepare a written report for the Board. At the Show Cause hearing, the Board shall consider that report and any testimony or evidence presented by the affected owner(s). After deliberation, the Board shall determine one or more of the following:

1. That the violations have been corrected and no further action is necessary;
2. That additional time for correction is warranted, establishing a specific deadline; or
3. That the violation remains uncorrected and directing the Attorney, Engineer, or Levee Superintendent to take appropriate enforcement or abatement action.

F. Mailing Requirements. All correspondence and notices under this Section shall be sent by first class mail, and may also be posted conspicuously on the property if warranted.

G. Permit Revocation and Enforcement. In addition to, or in lieu of, authorizing the Attorney for the District to commence appropriate court proceedings, the Board may, after notice and opportunity to be heard, revoke any permit held by any owner(s) of the affected property. Upon revocation, the District may cause abatement of unpermitted encroachments and seek recovery of related costs consistent with law.

**Section 8.03. Summary Abatement During Emergencies:** The District may summarily remove or abate any encroachment, obstruction, or condition within its jurisdiction

that presents an immediate threat to the integrity of the levee or to the public safety during a proclaimed emergency. Summary abatement actions taken during such emergencies are not subject to the notice, hearing, or procedural requirements of Section 8.02 but shall be reported to the Board of Trustees at the earliest practicable meeting thereafter.

**CHAPTER 9**  
**VARIANCES AND NON-CONFORMING STANDARDS**

Section 9.01	General
Section 9.02	Procedure
Section 9.03	Nonconforming Encroachment

**Section 9.01. General.** Occasions may arise when an applicant, either (1) upon appeal following denial of a request for a permit in accordance with Chapter 7, or (2) prior to submitting initial request for a permit, believes that these Standards should not apply to a particular set of facts. In such cases, the applicant may request a variance from these Standards by submitting a written request to the Board of Trustees of the District. All variance requests shall follow the procedure described in Section 9.02.

**Section 9.02. Procedure.**

A. Application. A variance application must be submitted in writing by the property owner or his/her authorized agent and shall include all information and supporting documentation necessary to fully describe the request.

B. Filing Fee. The Board of Trustees may, by resolution, prescribe a filing and investigation fee which, if established, must be paid at the time the application is submitted.

C. Notice and Hearing. Upon receiving a complete variance application, the Secretary shall schedule the matter for hearing before the Board of Trustees. A written notice of hearing shall be mailed at least ten (10) calendar days before the hearing date to all property owners whose property lies, in whole or in part, within a radius of three hundred feet (300') of the applicant's property. Mailing addresses shall be obtained from the most recent equalized assessment roll, or, if available, , from such other records of the assessor or the tax collector as contain more recent addresses. Failure to receive the notice required by this section shall not invalidate the action of the Board of Trustees.

D. Findings Required. The Board of Trustees may grant a variance only if it finds and determines that all of the following circumstances apply:

1. That any variance granted shall be subject to such conditions as will ensure that the adjustment thereby authorized shall not constitute a grant of special privilege

inconsistent with the limitations upon other properties in the vicinity of the subject property;

2. That because of special circumstances applicable to the subject property, including size, shape, topography, location or surroundings, the strict application of the Standards is found to deprive the subject property of privileges enjoyed by other properties in the vicinity.

3. That the granting of such variance will not be materially detrimental to the public welfare or injurious to the property or improvements in the vicinity of the subject property.

4. That the granting of such variance will be in conformity with the general purpose and intent of these Standards.

E. Expiration. Any variance involving the erection, alteration, or enlargement of a building or structure becomes null and void after one year after the date the variance is granted unless the authorized building or structure is completed within this time. The Board of Trustees, for good cause shown, may extend the one-year period for not longer than an additional six months upon application in writing being made before expiration of the variance.

F. Conditions and Agreements. The Board of Trustees may condition the issuance of a variance, and/or may require another or special agreement pursuant to Section 7.09.

### **Section 9.03. Nonconforming Encroachment.**

A. Where an encroachment exists, which is not permitted by these Standards, but which was validly permitted in accordance with the Standards at the time the encroachment was created, it may continue to exist until it is demolished, or until any repair, reconstruction, or replacement involves a primary structural member of the encroachment. Upon the occurrence of either event, the encroachment must be brought into compliance with these Standards, including, but not limited to, applicable requirements for a permit. "Primary structural member" has the meaning set forth in Section 1.03(S).

**CHAPTER 10**  
**MISCELLANEOUS**

Section 10.01	No Mandatory Duty of Care
Section 10.02	Severability

**Section 10.01. No Mandatory Duty of Care.** These Standards are not intended to and shall not be construed or given effect in a manner that imposes upon the District, or any officer or employee thereof, a mandatory duty of care towards persons or property within the District or outside of the District so as to provide a basis of civil liability for damages, except as otherwise imposed by law.

**Section 10.02. Severability.** If any provision of these standards or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of these Standards which can be given effect without the invalid provision or application. To this end, the provisions of these Standards are severable. The Board of Trustees hereby declares that it would adopt these Standards irrespective of the invalidity of any particular portion thereof.

**APPLICATION FOR APPROVAL OF PLANS AND/OR ENCROACHMENT PERMIT**

1. **Application to the Reclamation District 1608 for approval to** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Please check exhibits accompanying application.**

- a.  Location or vicinity map showing location of proposed work within the RD1608 area of responsibility, to permit visitation and inspection of work. Provide a marked-up copy of the RD1608 Boundary Map contained within the RD1608 Levee Encroachment Standards (Appendix E-1) to convey the appropriate location information (follow directions cited in Appendix E-1).
- b.  A complete plan view and cross section of the proposed work, to scale, showing: dimensions; materials of construction and/or vegetative plantings; irrigation system; location of levee crown, toe and side slopes; relationship of the proposed work to the levee, adjacent home, RD1608 easement lines, and property lines; and any other notable feature within the lot.
- c.  A cross section of the levee, berm, and stream area with dimensions and elevations of the levee crown, levee toes, floodplain, low water levee, etc., with reference to the U.S. Geological Survey, U.S. Corps of Engineers, or other datum generally used within the locale.
- d.  Profiles of existing or proposed levees, fills, or other obstructions in the stream or overflow area with reference to the U.S. Geological Survey, U.S. Corps of Engineers, or other datum generally used within the locale.

3. **Please Print or Type:**

Name of Applicant \_\_\_\_\_ Address-Zip Code \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 \_\_\_\_\_ Cell \_\_\_\_\_ Home \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

4. **Endorsement**

We, the Trustees of Reclamation District 1608 at its meeting held on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_, hereby

**APPROVE** and give consent to the execution of the encroachment permit subject to the following conditions:

- Conditions listed on the back of this form
- Additional attached conditions.
- No conditions

**DENY** the application for the following reasons:

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Date \_\_\_\_\_

\_\_\_\_\_  
President, Board of Trustees,  
Reclamation District 1608

5. Name and address of owners of adjacent land parcels sharing a length of point of common boundary with the land upon which the contents of this application apply.

<u>Name</u>	<u>Address</u>	<u>Zip Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Conditions:

1. Comply with Reclamation District 1608 Levee Encroachment Standards. (Dated \_\_\_\_\_)
  2. Execute Agreement Relative to Certain Encroachments on Land of Reclamation District 1608 (FOR USE IN \_\_\_\_\_ LEVEE AREA)
  3. Submit new application for any future encroachment within ten (10) feet of levee toe.
  4. SEE ATTACHED ADDITIONAL CONDITIONS. IF BOX CHECKED ON FRONT PAGE
- 
3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
  6. \_\_\_\_\_
  7. \_\_\_\_\_



RECORDED AT THE REQUEST OF  
AND WHEN RECORDED RETURN TO:

NEUMILLER & BEARDSLEE  
POST OFFICE BOX 20  
STOCKTON, CALIFORNIA 95201-3020  
ATTN: ANDREW J. PINASCO

AGREEMENT RELATIVE TO CERTAIN ENCROACHMENTS  
ON EASEMENT OF RECLAMATION DISTRICT 1608  
(FOR USE IN SOUTHWEST LEVEE AREA)

THIS AGREEMENT is made this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, between RECLAMATION DISTRICT 1608, a political subdivision of the State of California, herein called "District", and \_\_\_\_\_, herein called "Owner".

WHEREAS, Owner is the owner of that property described as Lot \_\_\_\_\_ as shown in the Map of Tract \_\_\_\_\_, Lincoln Village West, Unit No. \_\_\_\_\_, filed for record in Book of Maps and Plats, Vol. \_\_\_\_\_, Page \_\_\_\_\_, San Joaquin County Records, with APN No.: \_\_\_\_\_, and with street address \_\_\_\_\_,

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hereinafter referred to as "Lot"; and

WHEREAS, District is the owner of an easement across said lot and adjacent lots, which easement was granted to District by an easement Deed dated May 12, 1969, recorded at Page 94 of Book 3304 of Official Records of San Joaquin County, and in which deed the easement is known as Easement A, and which is hereinafter referred to as "Easement", and

WHEREAS, District does not need all of said easement for its purposes, and finds the excess of such Easement to be valueless; and

WHEREAS, the use of said lot is subject to the Revised Levee Encroachment Standards of the District; and

WHEREAS, Owner desires to place and/or maintain certain encroachment(s) on or about the easement granted to District; and

WHEREAS, the placing and/or maintaining of said encroachment(s) requires a permit either from the Central Valley Flood Protection Board of the State of California, and/or from District, and Owner has submitted an application for such permit;

**Appendix B-1**

NOW, THEREFORE, in consideration of the mutual promises and considerations herein, it is agreed as follows:

1. Definitions. As used in this Agreement, the following words shall have the following meanings.

A. "Levee" means the flood control levee of Reclamation District 1608 as it crosses the lot, as such levee now exists or as it may hereafter be modified or reconstructed.

B. "Standards" means the Revised Levee Encroachment Standards for Reclamation District 1608 as they are now or may hereafter be modified; the Current Standards are incorporated herein as though set forth in full, and a copy thereof is available at the offices of the District.

2. Compliance with Standards and Permits and Right to Remove. Owner shall comply with all terms and provisions of the Standards as the same now exist, or as they may hereafter from time to time be amended, and with the terms and conditions of the permits issued to Owner by the Board or by the District. The Owner understands and agrees that non-compliance may result in revocation of the permit(s) issued by the District. Any encroachment(s) on or about the levee or the easement of District which are not expressly permitted to be maintained by both the Standards and by valid permit(s) may be removed by District, and Owner hereby grants the District express permission to enter Owner's property and easement, and to remove any such encroachment(s), if such encroachment(s) are not removed by Owner within thirty days of notice to remove given by District to Owner, without liability to Owner; provided, however, that in case of emergency, no such notice need be given and entry and removal by the District may be immediate, without liability to Owner.

3. Payment. The Owner hereby agrees that in the event District removes any encroachment(s) as specified in Paragraph 2 of this Agreement, Owner will promptly pay to District, upon presentation of a statement, the actual cost of removing such encroachment(s).

4. Right to Compensation. District hereby agrees, in the event the Standards are subsequently amended so as to cause any encroachment(s), which was in accordance with the Standards at the time it was emplaced, and which has a valid permit(s) issued by the Board, to be not in accordance with amended Standards, that the encroachment(s) shall be allowed to remain and shall not be subject to the provision of Paragraphs 2 and 3 of this document, unless the District shall determine that such encroachment(s) is a danger to the control of flooding or the maintenance of the levee, in which event the District shall remove such encroachment(s) at the District's expense, and shall reimburse Owner therefor in accordance with law.

5. Removal by Judicial Proceedings. The District shall have the right to obtain removal of any encroachment(s) not permitted by the Standards and by valid permit(s) issued by the Board, by appropriate judicial proceeding, including any preliminary relief which may be proper.

6. Subordination. This Agreement shall be subordinate to any encumbrances of record prior to date of execution of this Agreement, affecting this lot, and shall be recorded in the Official Records of the County of San Joaquin.

7. Effect on Other Requirements and Regulations. It is agreed that the execution of this document shall in no way diminish or affect the rights and powers of the District under the Easement and as granted to District by applicable provisions of California law.

8. Release of Portion of Easement. District hereby remises, releases, and forever quitclaims to Owner any interest it may have in all that portion of the easement which lies northerly of a line lying ten feet (10') northerly of the northerly toe of the levee, and within the boundaries of the Owner's lot.

9. Modification of Easement. This Agreement constitutes a modification of the Easement held by District, and Owner(s) consent to the terms and conditions hereof as modifications of the Easement over the Lot.

10. Toe Drain. Owner is reminded that a levee toe drain crosses a portion of Owner's lot, and that acceptable construction standards require correct placement of foundations in the vicinity of such drains. Owner and District agree that District shall in no manner be responsible for or incur any liability whatsoever for any damages of any nature arising out of or resulting from the presence of said toe drain or construction in the vicinity of said toe drain.

11. Binding on Successors. This Agreement shall extend to and be binding upon the heirs, successors, administrators and assigns of the Owner and any successor of District.

Executed at Stockton, California.

"DISTRICT"

RECLAMATION DISTRICT 1608

By: \_\_\_\_\_  
President, Board of Trustees

"OWNER"

By: \_\_\_\_\_  
\_\_\_\_\_

[Acknowledgements on Following Pages]

**ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA            )  
  )  
COUNTY OF \_\_\_\_\_        )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_

**ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA            )  
  )  
COUNTY OF \_\_\_\_\_        )

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I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

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STATE OF CALIFORNIA                    )  
  )  
COUNTY OF \_\_\_\_\_                )

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I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_

RECORDED AT THE REQUEST OF  
AND WHEN RECORDED RETURN TO:

NEUMILLER & BEARDSLEE  
POST OFFICE BOX 20  
STOCKTON, CALIFORNIA 95201-3020  
ATTN: ANDY J. PINASCO

AGREEMENT RELATIVE TO CERTAIN ENCROACHMENTS  
ON LAND OF RECLAMATION DISTRICT 1608  
(FOR USE IN NORTHWEST LEVEE AREA)

THIS AGREEMENT is made this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, between RECLAMATION DISTRICT 1608, a political subdivision of the State of California, herein called "District", and \_\_\_\_\_, herein called "Owner".

WHEREAS, Owner is the owner of that property described as Lot \_\_\_\_ as shown in the Map of Tract \_\_\_\_\_, Lincoln Village West, Unit No. \_\_\_\_\_, filed for record in Book of Maps and Plats, Vol. \_\_\_\_\_, Page \_\_\_\_\_, San Joaquin County Records, with APN No.: \_\_\_\_\_, and with street address \_\_\_\_\_,

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hereinafter referred to as "Lot"; and

WHEREAS, District is the owner of the land to the rear of said lot and adjacent lots and on a portion of which the flood control levee of District lies; and

WHEREAS, Owner has been granted an easement to use said land of the District, on the terms and conditions of that easement;

WHEREAS, the use of said easement is subject to the Revised Levee Encroachment Standards of the District; and

WHEREAS, Owner desires to place and/or maintain certain encroachment(s) on or about the easement over the land of District; and

WHEREAS, the placing and/or maintaining of said encroachment(s) requires a permit either from the Central Valley Flood Protection Board of the State of California, and/or from District, and Owner has submitted an application for such permit to the District;

**Appendix C-1**

NOW, THEREFORE, it is agreed as follows:

1. Definitions. As used in this Agreement, the following words shall have the following meanings:

- A. "Levee" means the flood control levee of Reclamation District 1608, as such levee now exists or as it may hereafter be modified or reconstructed.
- B. "Standards" means the Revised Levee Encroachment Standards for Reclamation District 1608 as they are now or may hereafter be modified; the Current Standards are incorporated herein as though set forth in full, and a copy thereof is available at the District offices.
- C. "Board" means the Central Valley Flood Protection Board of the State of California.

2. Compliance with Standards and Permits and Right to Remove. Owner shall comply with all terms and provisions of the Standards as the same now exist, or as they may hereafter from time to time be amended, and with the terms and conditions of the Permits issued to Owner by the Board or by the District. The Owner understands and agrees that non-compliance may result in revocation of the permit(s) issued by the District. Any encroachment(s) on or about the levee or the easement of District which are not expressly permitted to be maintained by both the Standards and by valid permit(s) may be removed by District, and Owner hereby grants the District express permission to enter Owner's property and easement, and to remove any such encroachment(s), if such encroachment(s) are not removed by Owner within thirty days of notice to remove given by District to Owner, without liability to Owner; provided, however, that in case of emergency, no such notice need be given and entry and removal by the District may be immediate, without liability to Owner.

3. Payment. The Owner hereby agrees that in the event District removes any encroachment(s) as specified in Paragraph 2 of this Agreement, the Owner will promptly pay to District, upon presentation of a statement, the actual cost of removing such encroachment(s).

4. Removal by Judicial Proceedings. The District shall have the right to obtain removal of any encroachment(s) not permitted by the Standards and by valid permit(s) issued by the Board, by appropriate judicial proceeding, including any preliminary relief which may be proper.

5. Subordination. This Agreement shall be subordinate to any encumbrances of record prior to date of execution of this Agreement, affecting this lot, and shall be recorded in the Official Records of the County of San Joaquin.

6. Effect on Other Requirements and Regulations. It is agreed that the execution of this document shall in no way diminish or affect the rights and powers of District under the easement and as granted to District by applicable provisions of California law.

7. It is agreed that, to the extent permitted by law, this Agreement is a covenant running with the land owned by District and Owner in that it is a covenant by District to allow certain actions and encroachment to be done and made on the land of District, and which actions and encroachment are for the benefit of the landowner by Owner(s).

8. Binding on Successors. This Agreement shall extend to and be binding upon the heirs, successors, administrators and assigns of the Owner and any successor of District.

Executed at Stockton, California.

"DISTRICT"

RECLAMATION DISTRICT 1608

By: \_\_\_\_\_  
President, Board of Trustees

"OWNER"

By: \_\_\_\_\_  
\_\_\_\_\_

[Acknowledgements on Following Pages]

**ACKNOWLEDGMENT**

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STATE OF CALIFORNIA            )  
  )  
COUNTY OF \_\_\_\_\_        )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_

**ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA            )  
  )  
COUNTY OF \_\_\_\_\_        )

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I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_

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STATE OF CALIFORNIA                    )  
  )  
COUNTY OF \_\_\_\_\_                )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.  
  
\_\_\_\_\_

RECORDED AT THE REQUEST OF  
AND WHEN RECORDED RETURN TO:

NEUMILLER & BEARDSLEE  
POST OFFICE BOX 20  
STOCKTON, CALIFORNIA 95201-3020  
ATTN: ANDY J. PINASCO

AGREEMENT RELATIVE TO CERTAIN ENCROACHMENTS  
ON LAND OF RECLAMATION DISTRICT 1608  
(FOR USE IN NORTHEAST AND SOUTHEAST LEVEE AREA)

THIS AGREEMENT is made this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, between RECLAMATION DISTRICT 1608, a political subdivision of the State of California, herein called "District", and \_\_\_\_\_, herein called "Owner".

WHEREAS, Owner is the owner of that property described as Lot \_\_\_\_\_ as shown in the Map of Tract \_\_\_\_\_, Lincoln Village West, Unit No. \_\_\_\_\_, filed for record in Book of Maps and Plats, Vol. \_\_\_\_\_, Page \_\_\_\_\_, San Joaquin County Records, with APN No.: \_\_\_\_\_, and with street address \_\_\_\_\_,

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hereinafter referred to as "Lot"; and

WHEREAS, District is the owner of the land to the rear of said lot and adjacent lots and on a portion of which the flood control levee of District lies; and

WHEREAS, Owner desires to place and/or maintain certain encroachment(s) on or about the land of District; and

WHEREAS, the placing and/or maintaining of said encroachment(s) requires a permit either from the Reclamation Board of the State of California, and/or from District, and Owner has submitted an application for such permit to the District;

NOW, THEREFORE, it is agreed as follows:

1. Definitions. As used in this Agreement, the following words shall have the following meanings:

**Appendix D-1**

- A. "Levee" means the flood control levee of Reclamation District 1608, as such levee now exists, or as it may hereafter be modified or reconstructed.
- B. "Standards" means the Revised Levee Encroachment Standards for Reclamation District 1608 as they are now or may hereafter be modified; the Current Standards are incorporated herein as though set forth in full, and a copy thereof is available at the District offices.
- C. "Board" means the Central Valley Flood Protection Board of the State of California.

2. Compliance with Standards and Permits and Right to Remove. The Owner shall comply with all terms and provisions of the Standards as the same now exist, or as they may hereafter from time to time be amended, and with the terms and conditions of the Permits issued to Owner by the Board or by the District. The Owner understands and agrees that non-compliance may result in revocation of the permit(s) issued by the District. Any encroachment(s) on or about the levee or the easement of District which are not expressly permitted to be maintained by both the Standards and by valid permit(s) may be removed by District, and Owner hereby grants the District express permission to enter Owner's property and easement, and to remove any such encroachment(s), if such encroachment(s) are not removed by Owner within thirty days of notice to remove given by District to Owner, without liability to Owner; provided, however, that in case of emergency, no such notice need be given and entry and removal by the District may be immediate, without liability to Owner.

3. Payment. The Owner hereby agrees that in the event District removes any encroachment(s) as specified in Paragraph 2 of this Agreement, Owner will promptly pay to District, upon presentation of a statement, the actual cost of removing such encroachment(s).

4. Removal by Judicial Proceedings. The District shall have the right to obtain removal of any encroachment(s) not permitted by the Standards and by valid permit(s) issued by the Board, by appropriate judicial proceeding, including any preliminary relief which may be proper.

5. Subordination. This Agreement shall be subordinate to any encumbrances of record prior to date of execution of this Agreement, affecting this lot, and shall be recorded in the Official Records of the County of San Joaquin.

6. Effect on Other Requirements and Regulations. It is agreed that the execution of this document shall in no way diminish or affect the rights and powers of District under the

**Appendix D-2**

easement and as granted to District by applicable provisions of California law.

7. It is agreed that, to the extent permitted by law, this Agreement is a covenant running with the land owned by District and Owner in that it is a covenant by District to allow certain actions and encroachment to be done and made on the land of District, and which actions and encroachment are for the benefit of the landowner by Owner(s).

8. Binding on Successors. This Agreement shall extend to and be binding upon the heirs, successors, administrators and assigns of the Owner and any successor of District.

Executed at Stockton, California.

"DISTRICT"

RECLAMATION DISTRICT 1608

By: \_\_\_\_\_  
President, Board of Trustees

"OWNER"

By: \_\_\_\_\_  
\_\_\_\_\_

[Acknowledgements on Following Pages]

**ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA            )  
  )  
COUNTY OF \_\_\_\_\_        )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_

**ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA            )  
  )  
COUNTY OF \_\_\_\_\_        )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_



**ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

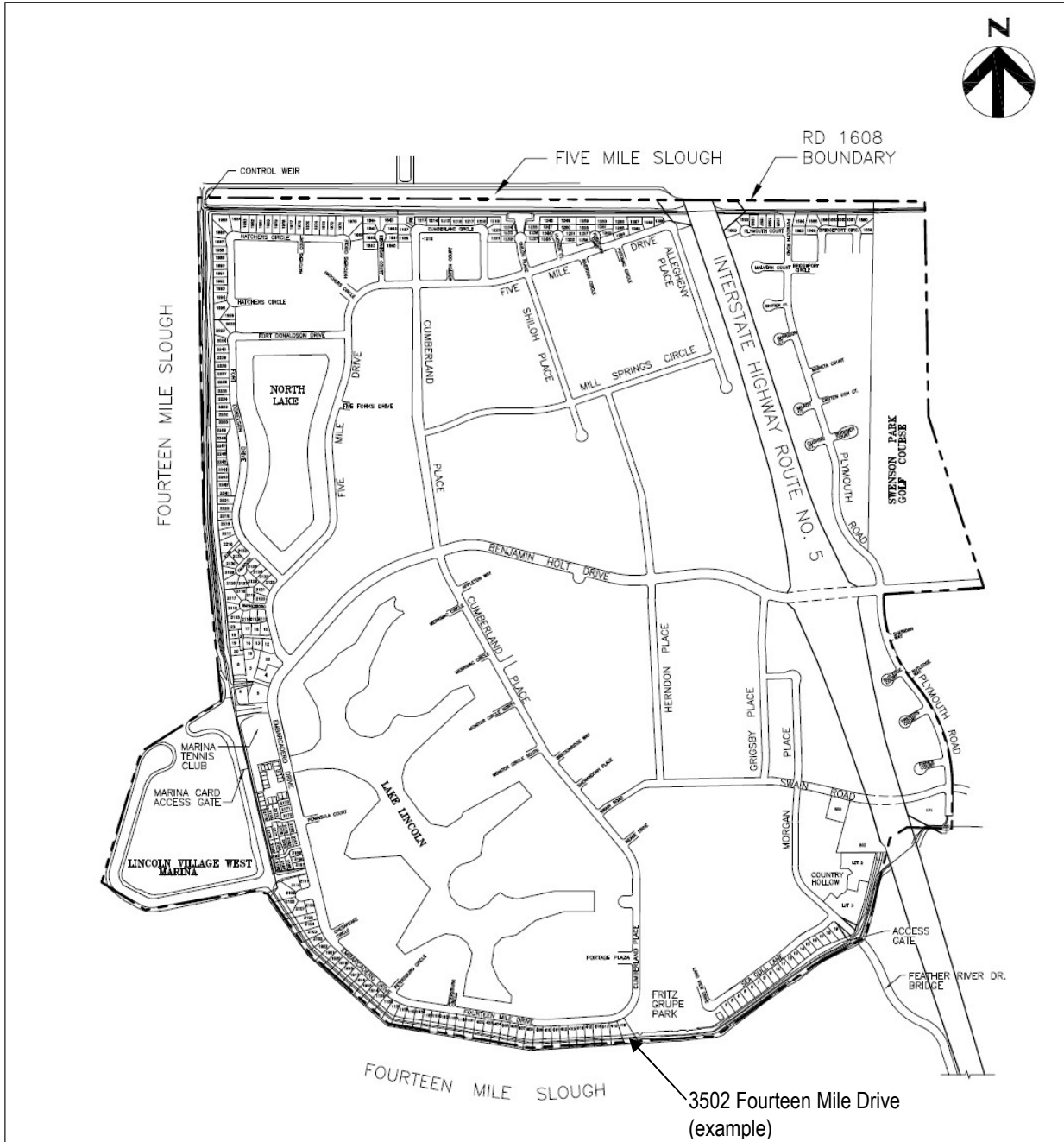
STATE OF CALIFORNIA                    )  
  )  
COUNTY OF \_\_\_\_\_                )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_

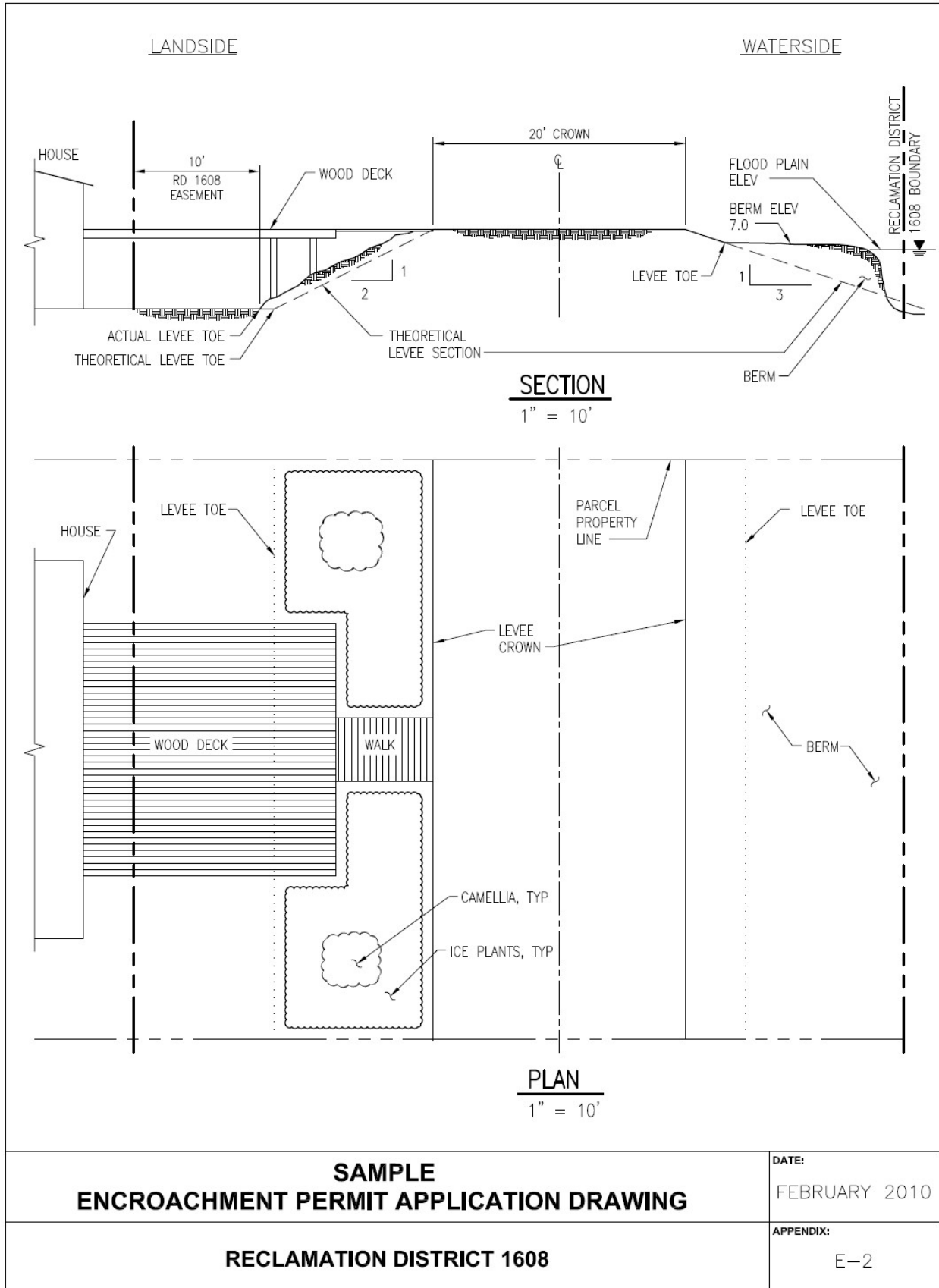


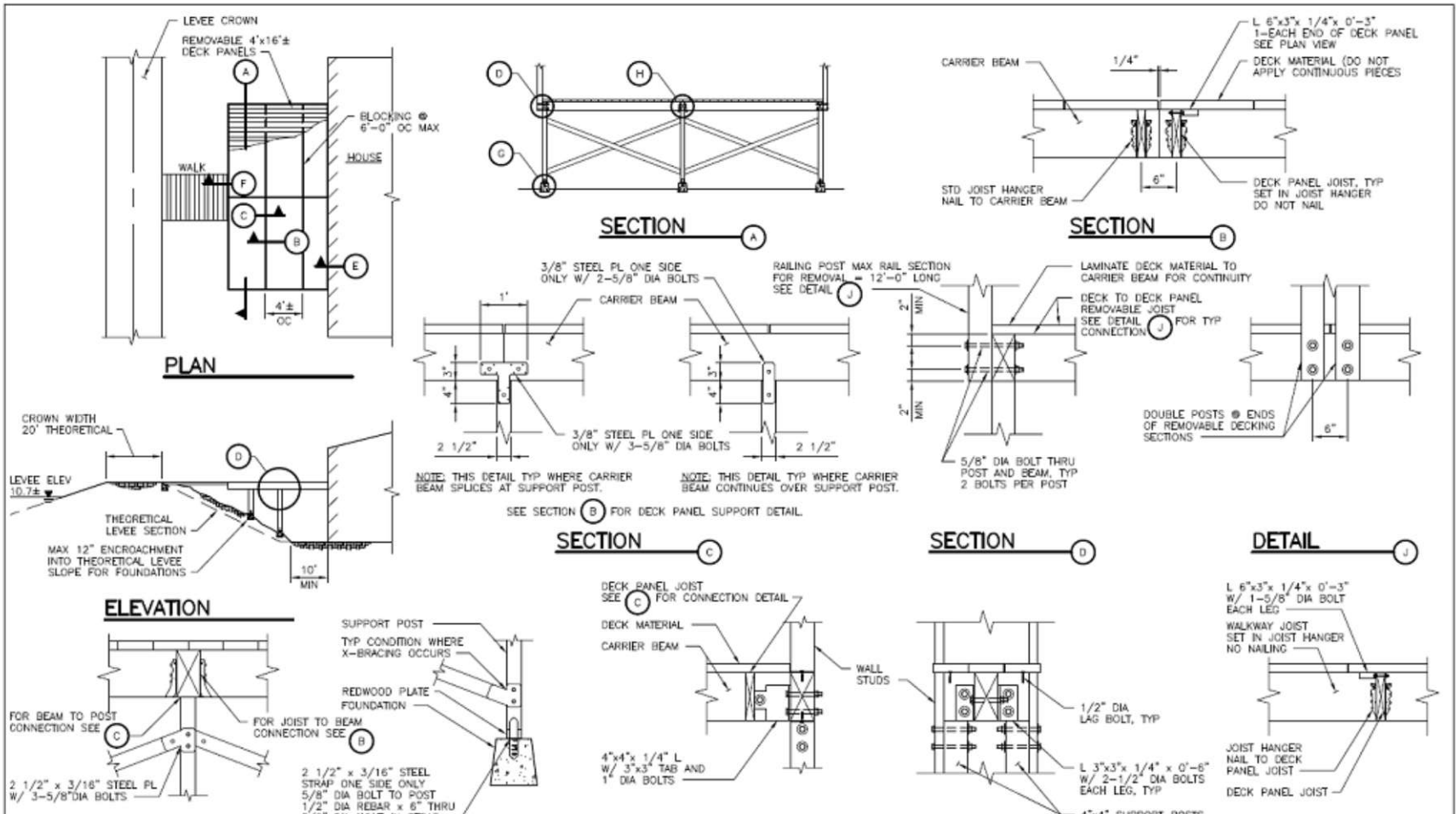
**Notes:**

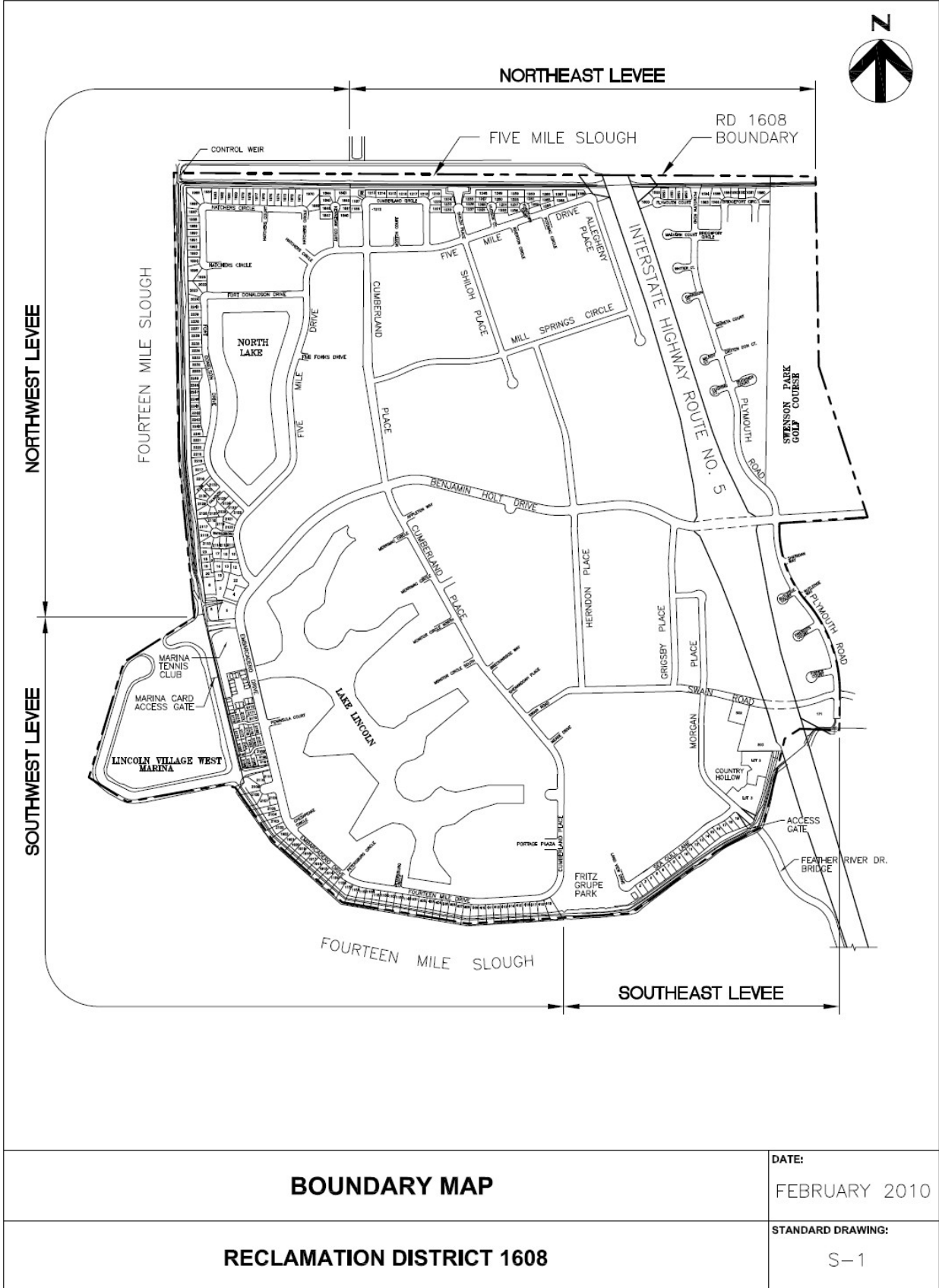
1. Provide address of lot for which Levee Encroachment Permit is being requested on this map.
2. Draw an arrow from the address provided to the location of the lot as shown on this map (see example above).
3. Attach annotated map to Levee Encroachment Permit Application.

<b>LOCATION OF REQUESTED LEVEE ENCROACHMENT PERMIT</b>	DATE: MARCH 2013
<b>RECLAMATION DISTRICT 1608</b>	APPENDIX: E-1

**Appendix E-1**

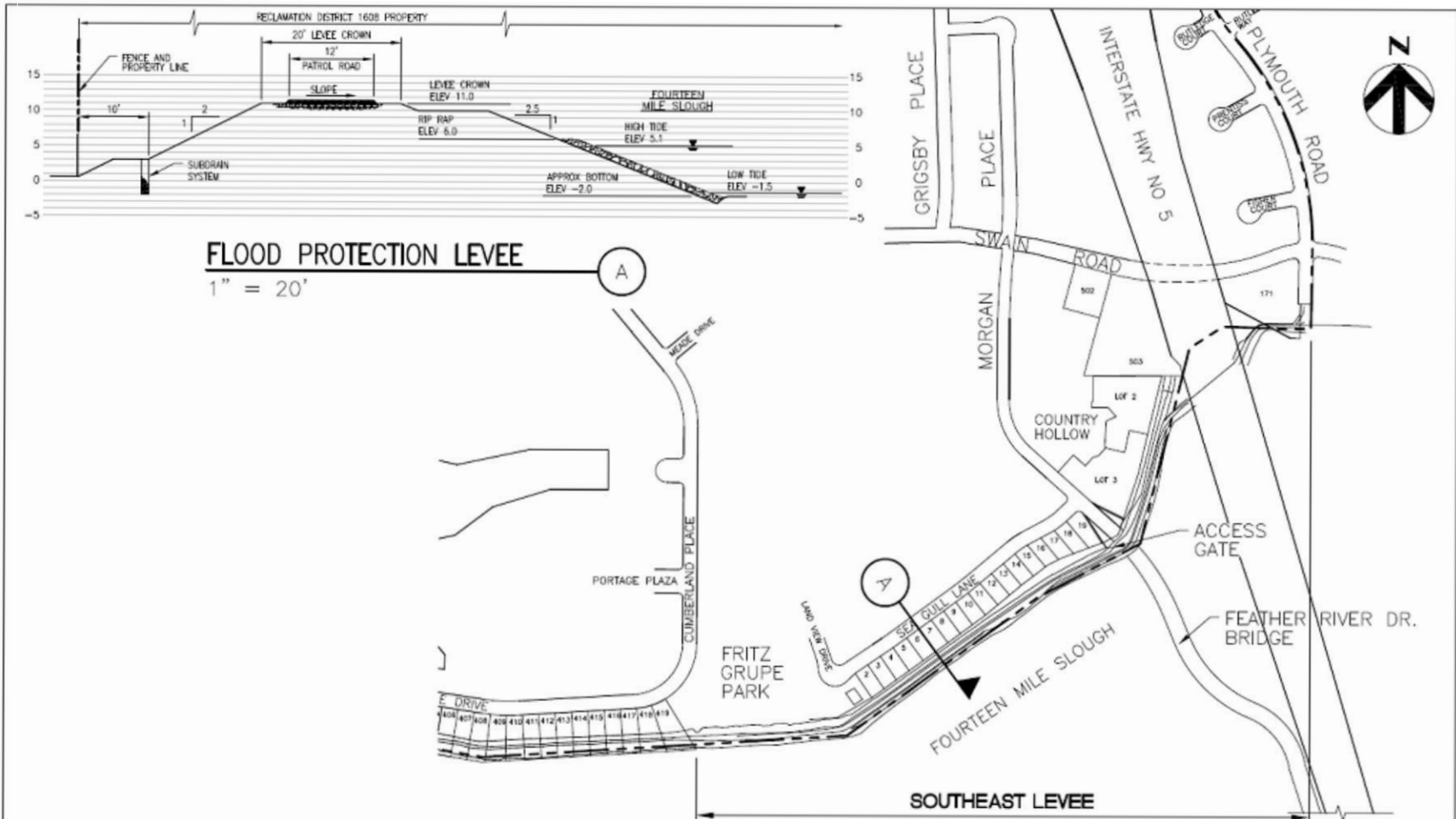


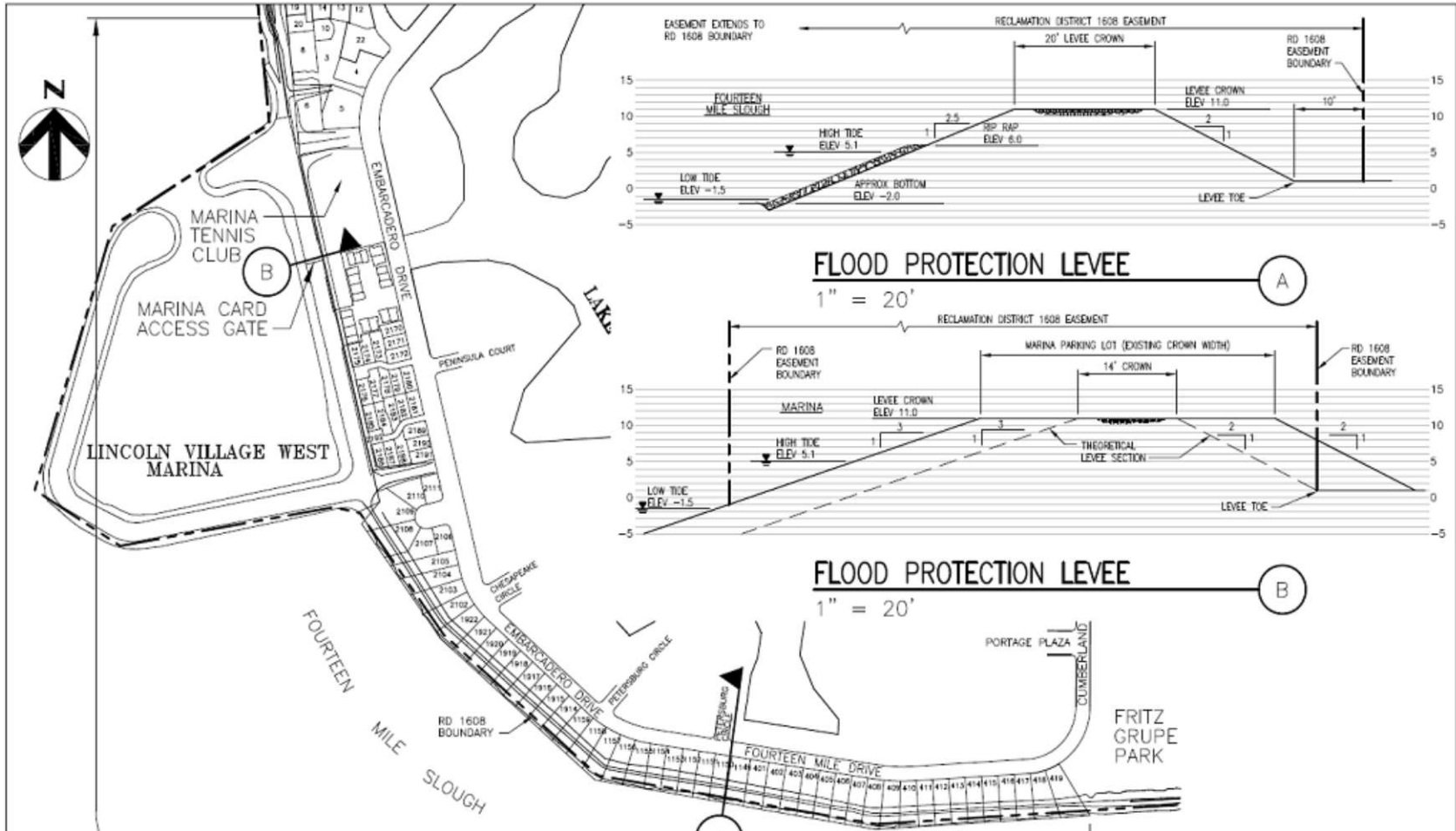


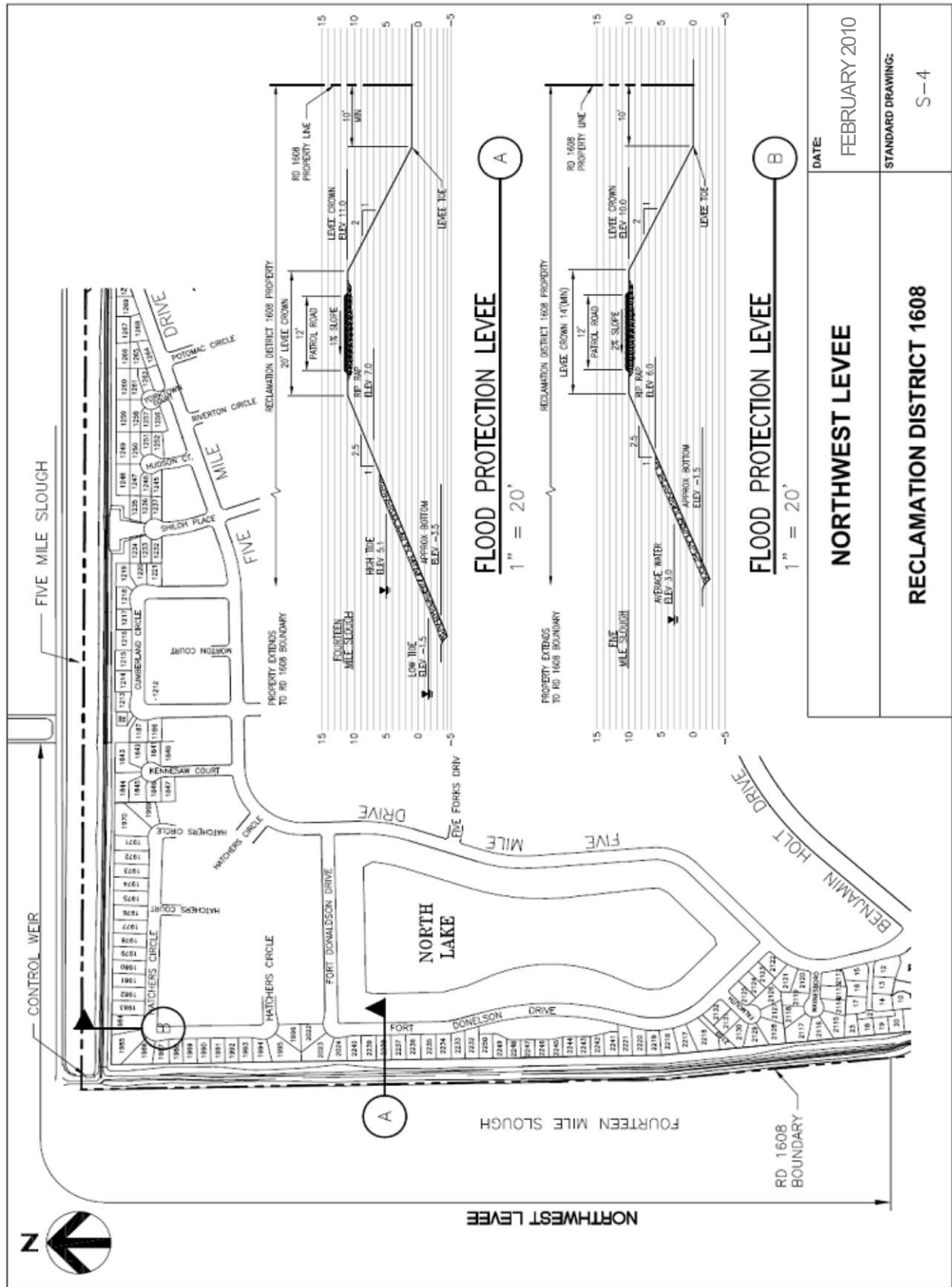


**Appendix S-1**

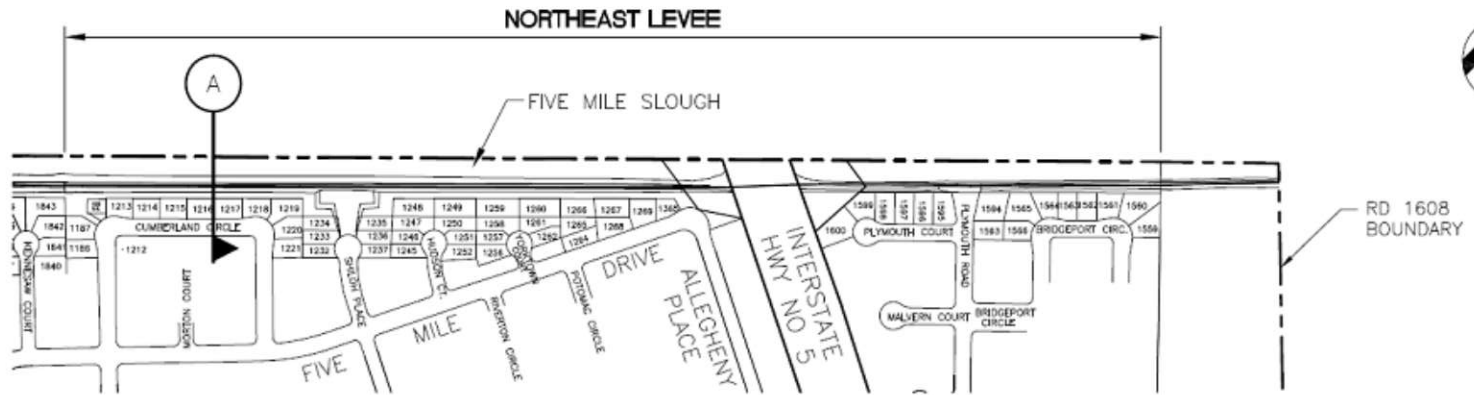
989387-2  
1905114-7



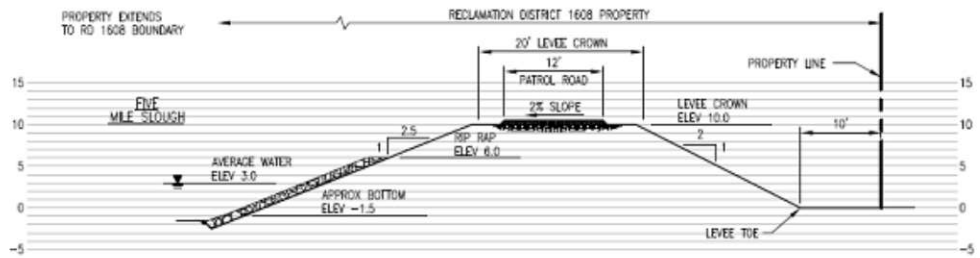




DATE:	FEBRUARY 2010
STANDARD DRAWING:	S-4
<b>NORTHWEST LEVEL</b>	
<b>RECLAMATION DISTRICT 1608</b>	



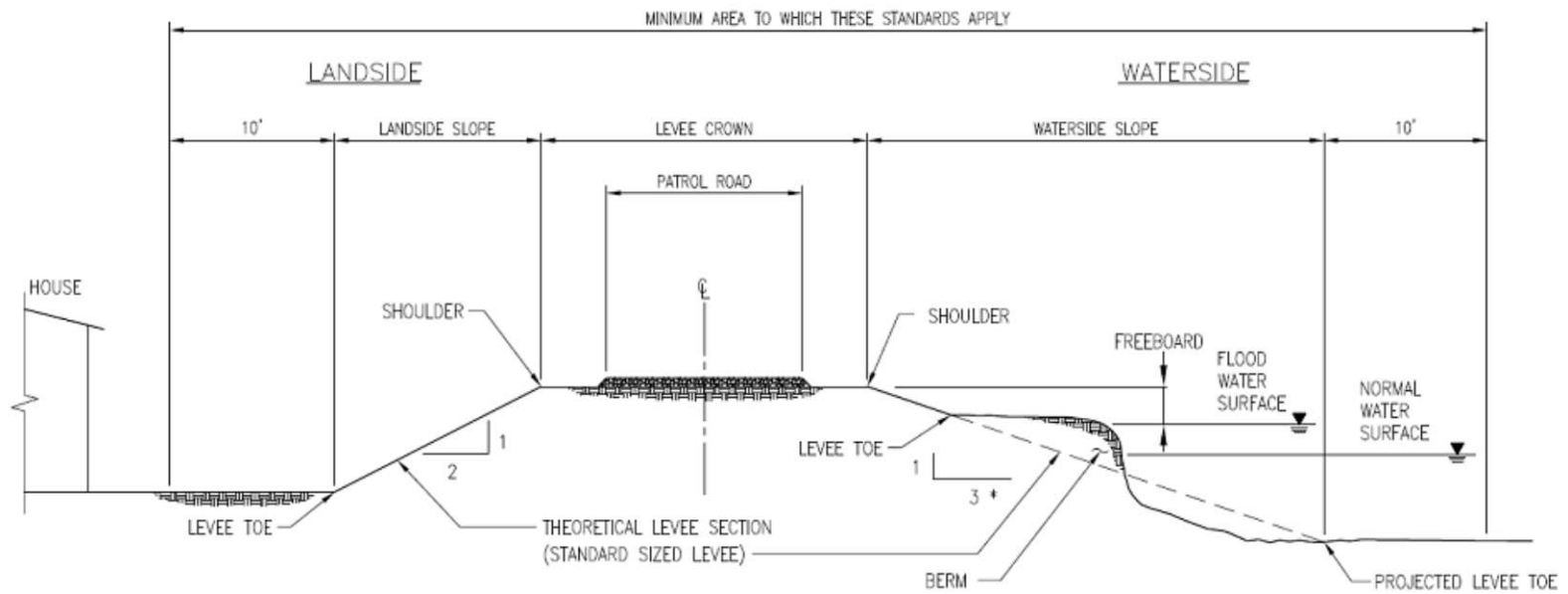
**PLAN**  
1" = 20'



**FLOOD PROTECTION LEVEE**

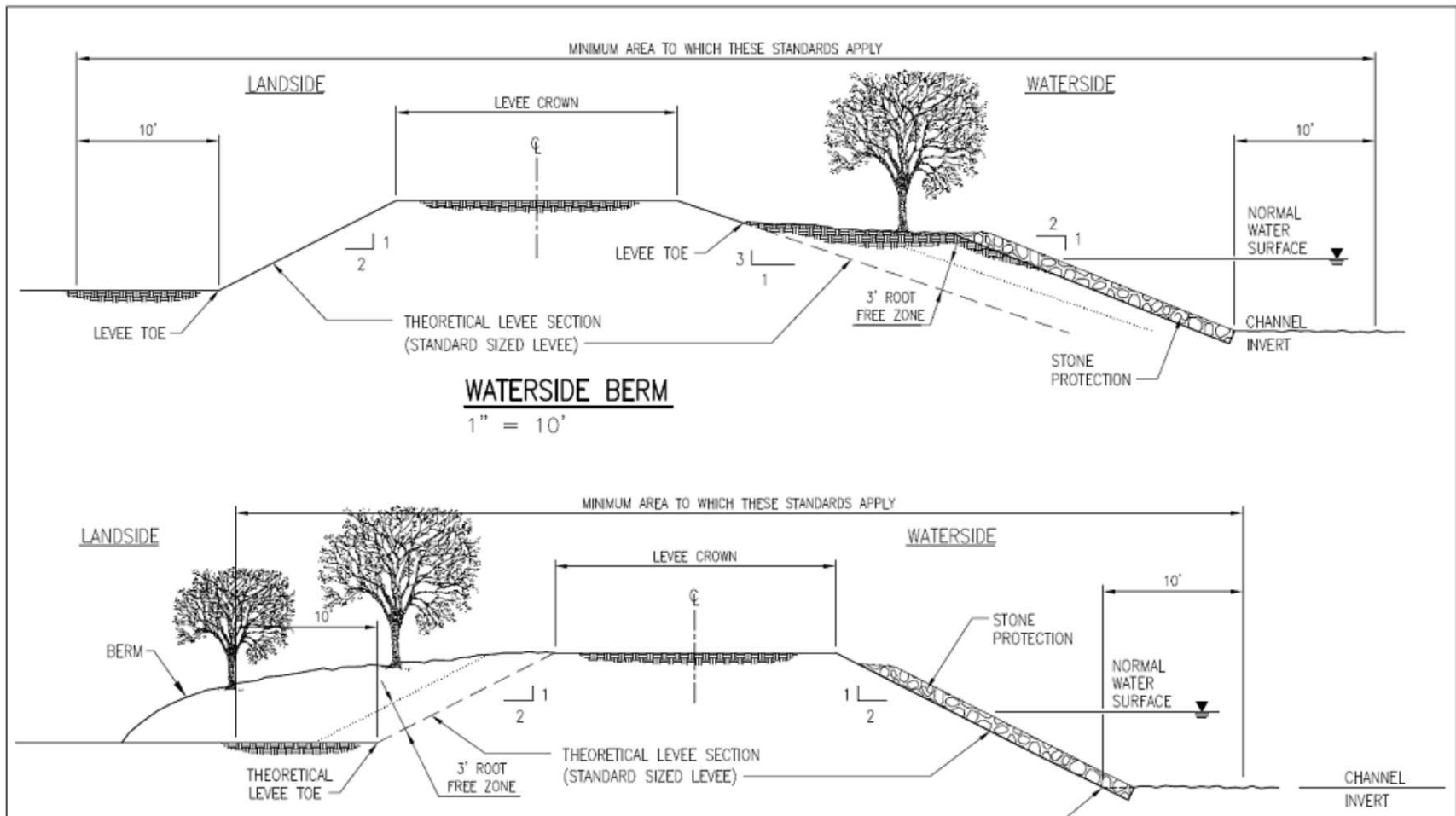
1" = 20'





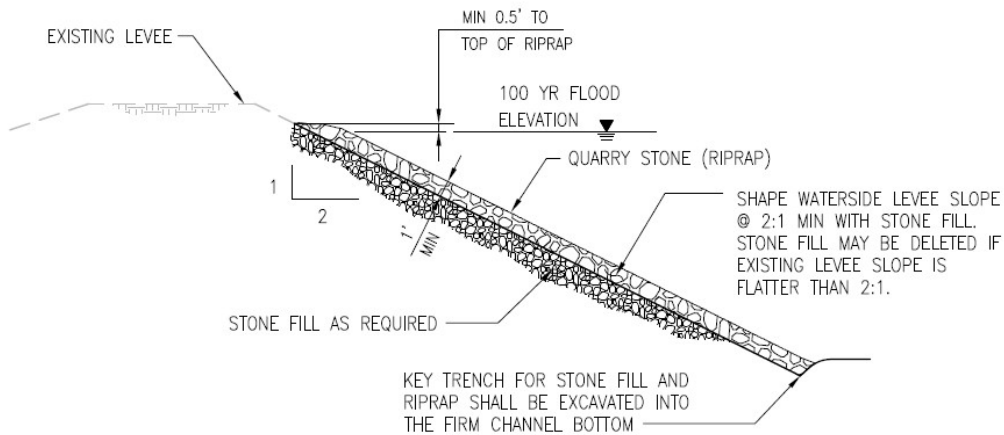
\* THE WATERSIDE LEVEE SLOPE SHALL HAVE A MINIMUM THREE (3) HORIZONTAL TO ONE (1) VERTICAL SLOPE, EXCEPT WHERE AN APPROVED ROCK REVETMENT IS USED, A SLOPE OF TWO (2) HORIZONTAL TO ONE (1) VERTICAL MAY BE USED.

989387-2  
1905114-7



**RECOMMENDED QUARRY STONE GRADUATIONS  
AND STONE FILL SIZES ARE AS FOLLOWS**

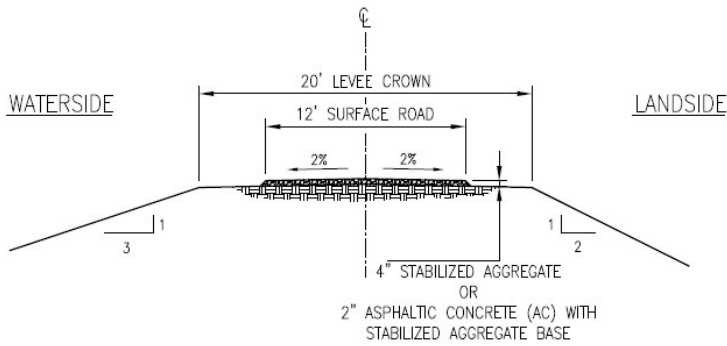
QUARRY STONE (RIPRAP)		STONE FILL	
WT OF INDIVIDUAL PIECES (LBS)	% SMALLER BY WT (SSD)	SIEVE SIZE	PERCENT PASSING
200	100	15"	100
100	60-90	12"	90
50	35-65	6"	50
20	10-30	3"	30
5	0-10	1"	20
		#200	2-3



**NOTES:**

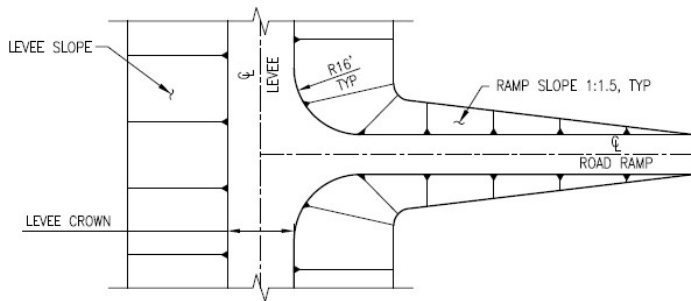
1. PRIOR TO PLACEMENT OF STONEFILL OR STONE PROTECTION (RIPRAP), LOOSE MATERIAL IN THE LEVEE BANK SLOPE SHALL BE COMPACTED TO THE DENSITY OF THE ADJACENT UNDISTURBED CONSOLIDATED MATERIAL.
2. STONE FILL SHALL CONSIST OF BANK RUN GRAVELS, DREDGE TRAILINGS, QUARRY WASTE (OTHER THAN OVERBURDEN AND STRIPPING) AND/OR BANK PROTECTION STONE.
3. QUARRY STONE SHALL BE ANGULAR IN SHAPE. NEITHER THE BREADTH OR THE THICKNESS OF ANY PIECE OF STONE SHALL BE LESS THAN ONE-THIRD ITS LENGTH.

<b>TYPICAL ROCK REVETMENT</b>	<b>DATE:</b> FEBRUARY 2010
<b>RECLAMATION DISTRICT 1608</b>	<b>FIGURE:</b> S-8



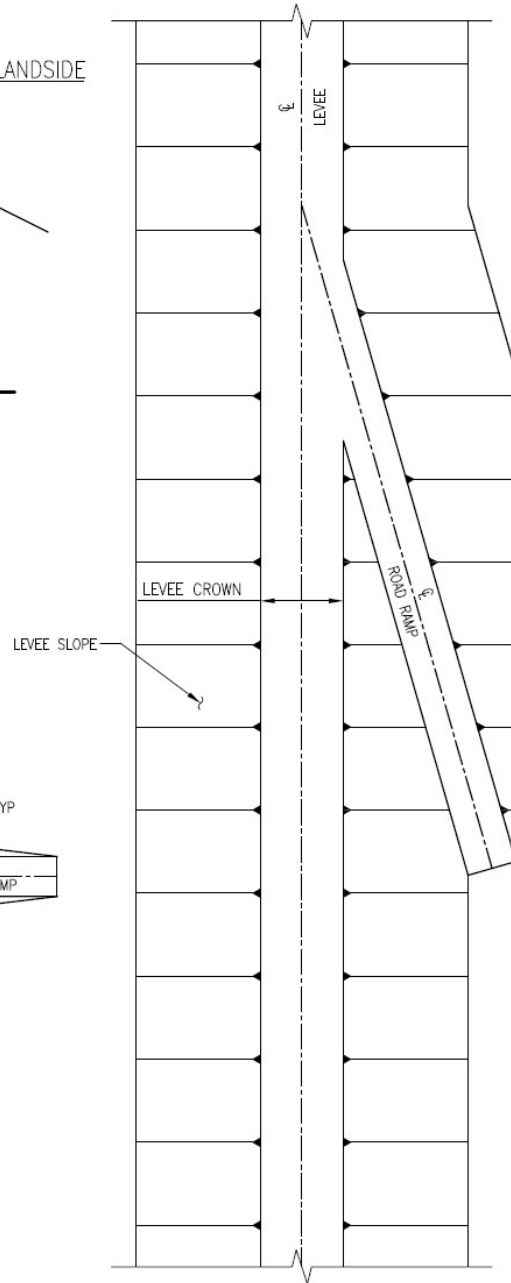
**LEVEE SURFACING FOR PATROL ROAD**

1" = 10'



**HEAD-ON APPROACH ROAD RAMP**

1" = 40'



**SIDE APPROACH ROAD RAMP**

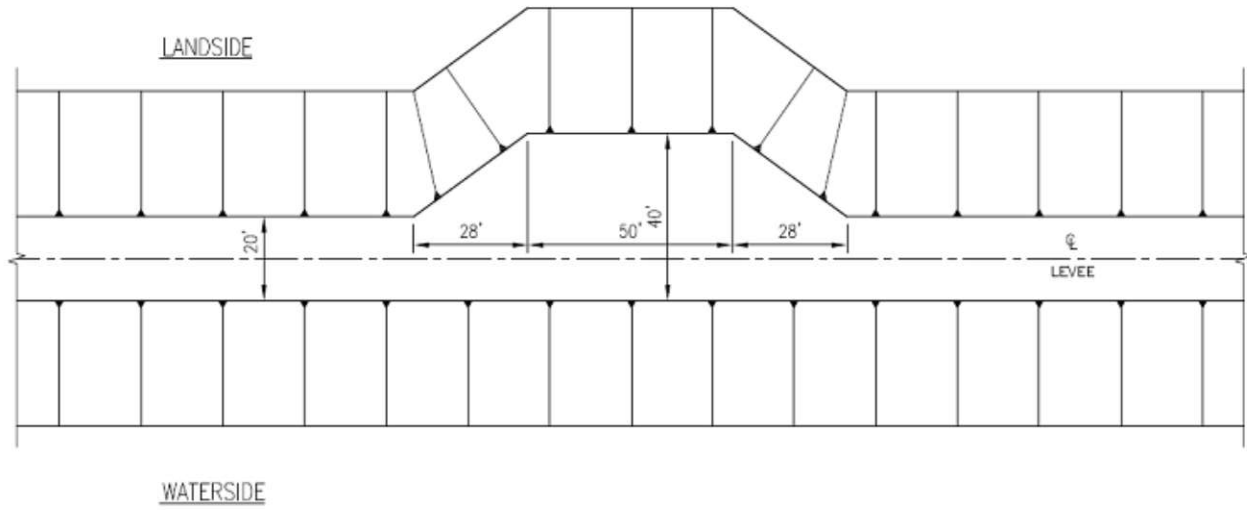
1" = 40'

**LEVEE PATROL ROAD SURFACING AND ACCESS RAMPS**

DATE:  
FEBRUARY 2010

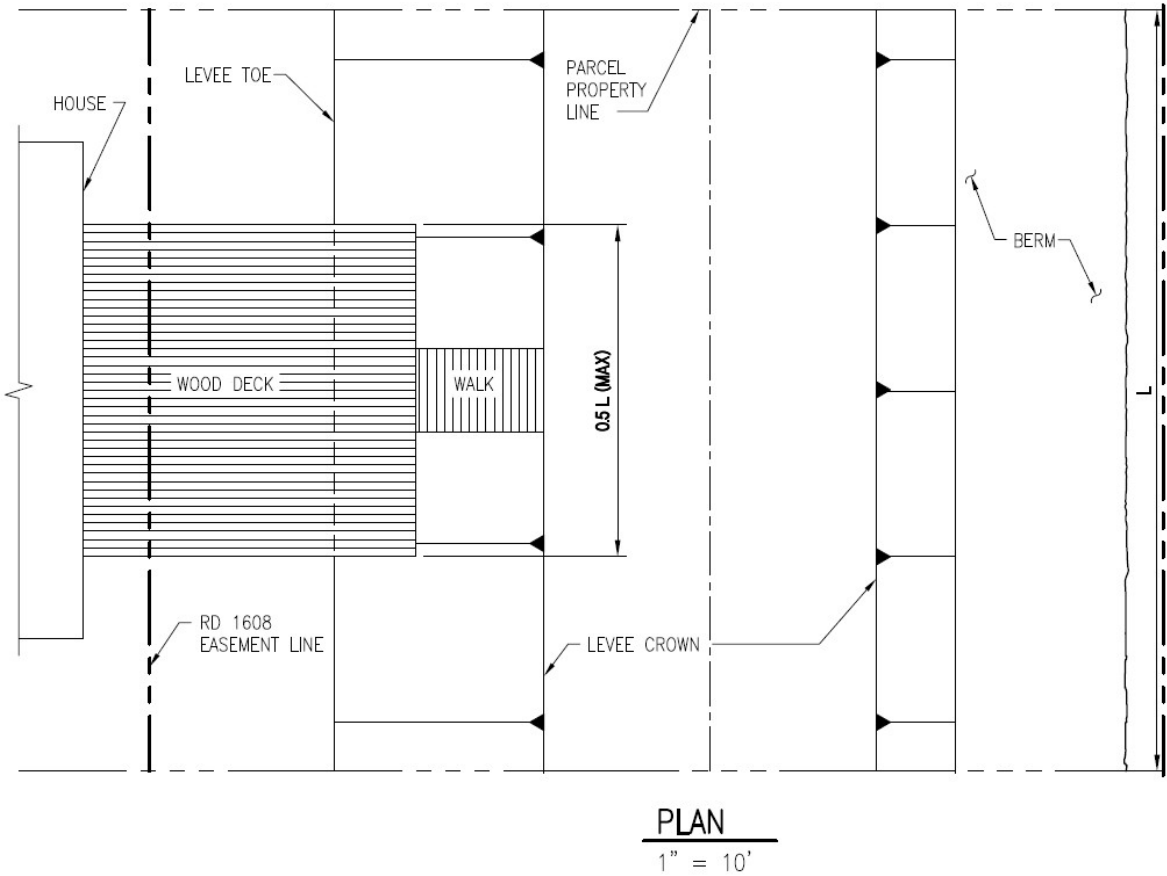
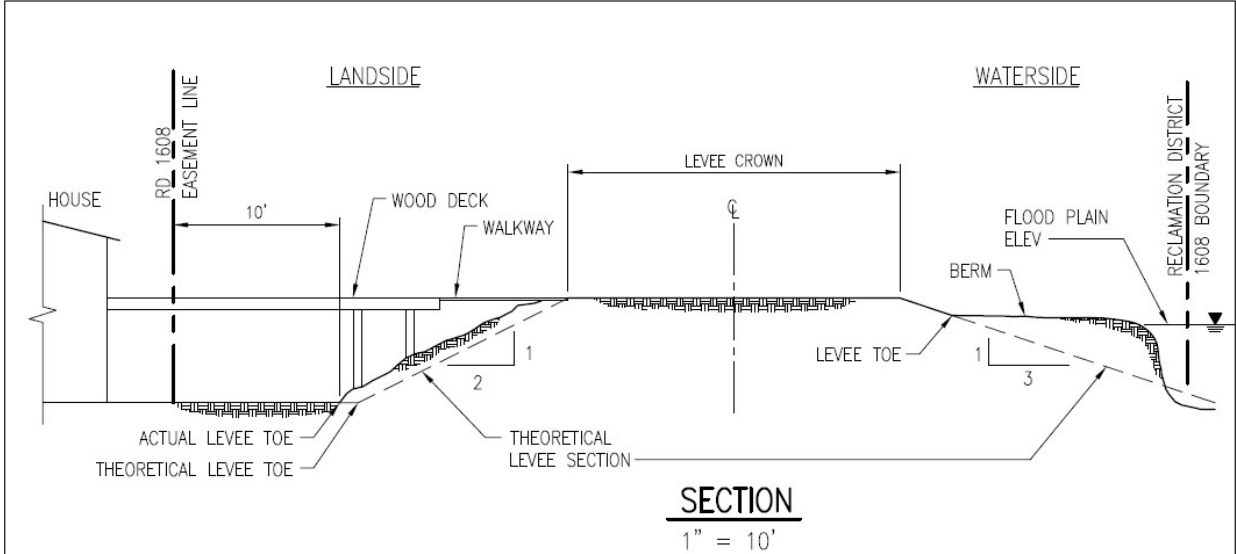
**RECLAMATION DISTRICT 1608**

STANDARD DRAWING:  
S-9

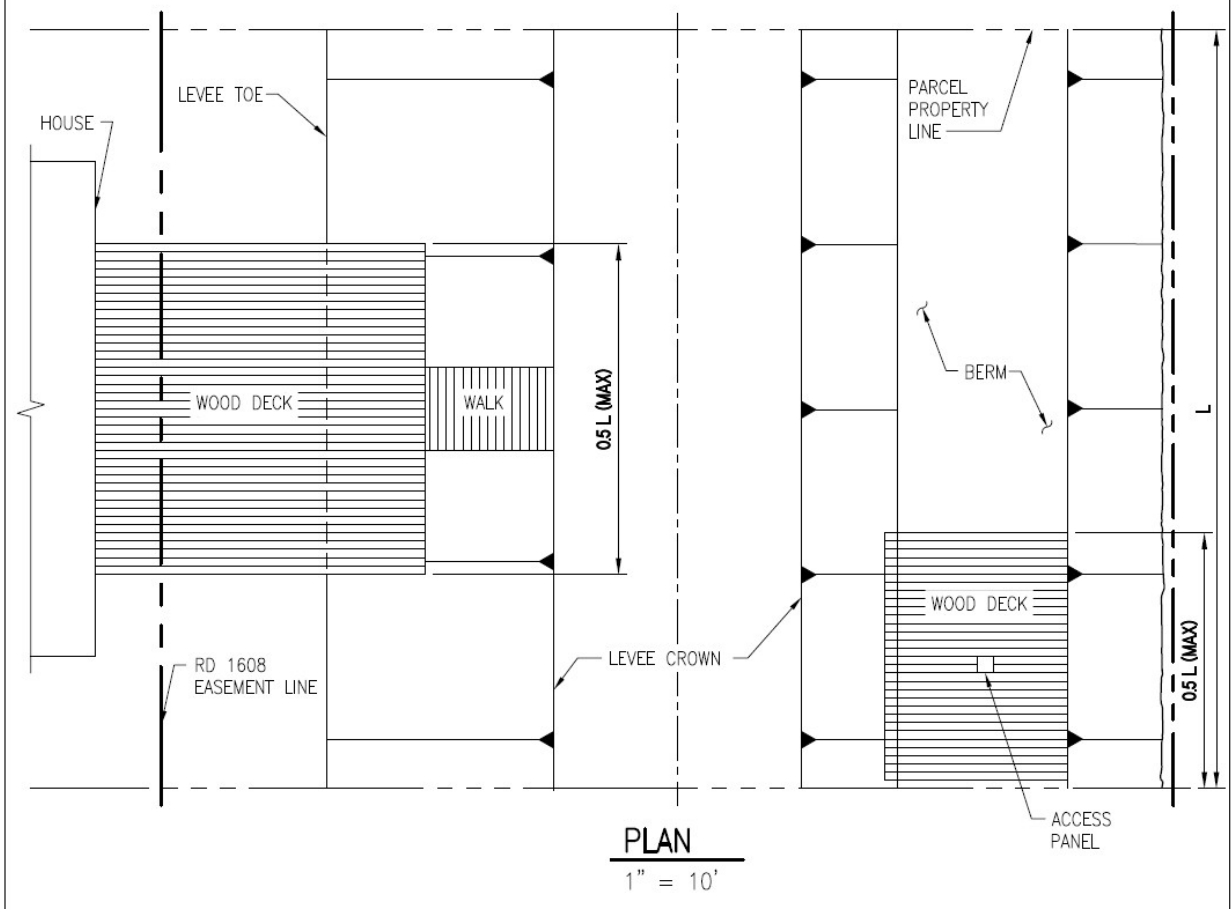
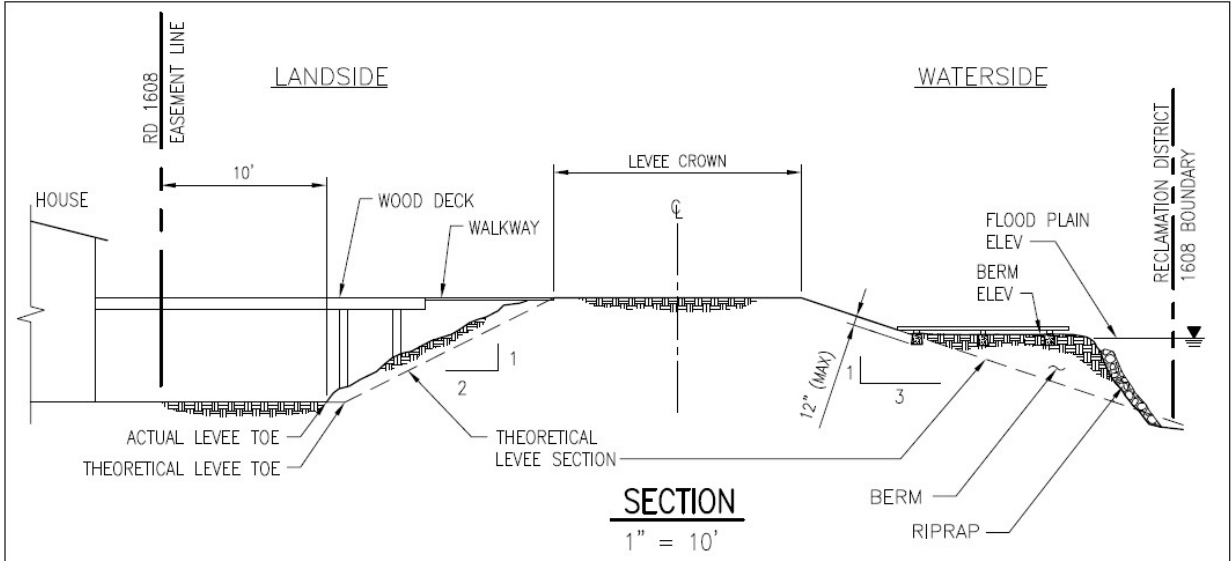


TYPICAL LEVEE TURNAROUND

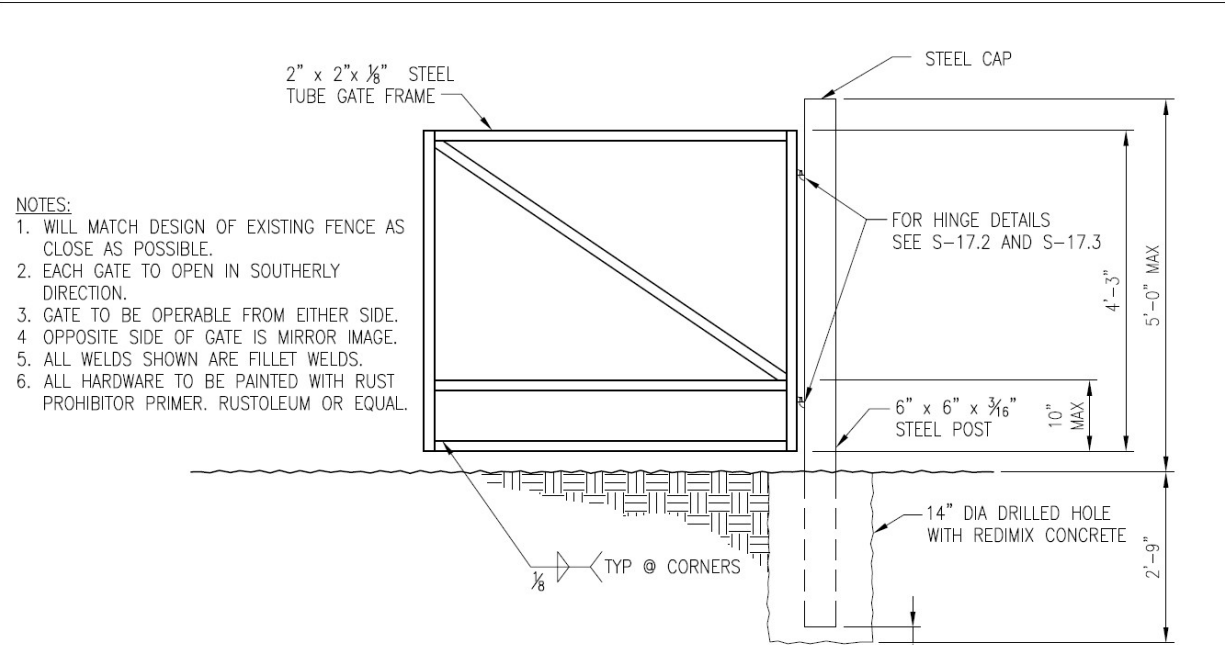
1" = 40'



<b>SOUTHWEST LEVEE REAR YARD DECK DETAIL</b>	DATE: FEBRUARY 2010
<b>RECLAMATION DISTRICT 1608</b>	STANDARD DRAWING: S-15

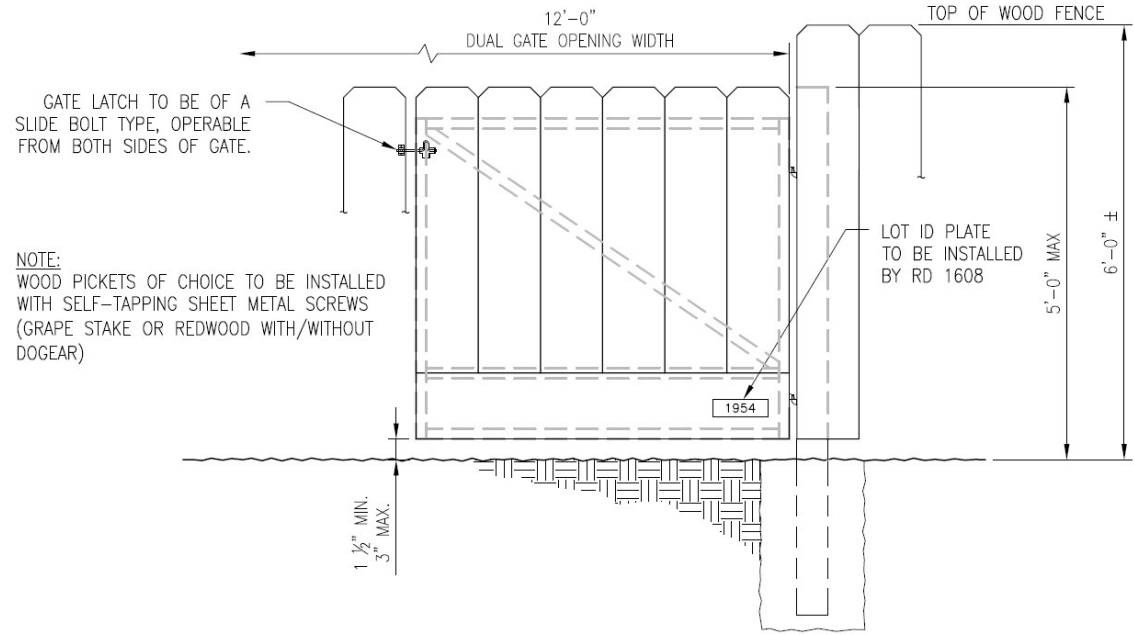


<b>SOUTHWEST LEVEE REAR YARD WATERSIDE DECK DETAIL</b>	DATE: FEBRUARY 2010
	STANDARD DRAWING: S-16
<b>RECLAMATION DISTRICT 1608</b>	



- NOTES:**
1. WILL MATCH DESIGN OF EXISTING FENCE AS CLOSE AS POSSIBLE.
  2. EACH GATE TO OPEN IN SOUTHERLY DIRECTION.
  3. GATE TO BE OPERABLE FROM EITHER SIDE.
  4. OPPOSITE SIDE OF GATE IS MIRROR IMAGE.
  5. ALL WELDS SHOWN ARE FILLET WELDS.
  6. ALL HARDWARE TO BE PAINTED WITH RUST PROHIBITOR PRIMER. RUSTOLEUM OR EQUAL.

**METAL POST & FRAMES**  
 3/8" = 1'-0"



GATE LATCH TO BE OF A SLIDE BOLT TYPE, OPERABLE FROM BOTH SIDES OF GATE.

**NOTE:**  
 WOOD PICKETS OF CHOICE TO BE INSTALLED WITH SELF-TAPPING SHEET METAL SCREWS (GRAPE STAKE OR REDWOOD WITH/WITHOUT DOGEAR)

**FENCE FACING**  
 3/8" = 1'-0"

<b>SOUTHWEST LEVEE CROWN DUAL SWING GATE</b>	DATE: MARCH 2013
<b>RECLAMATION DISTRICT 1608</b>	STANDARD DRAWING: S-17.1

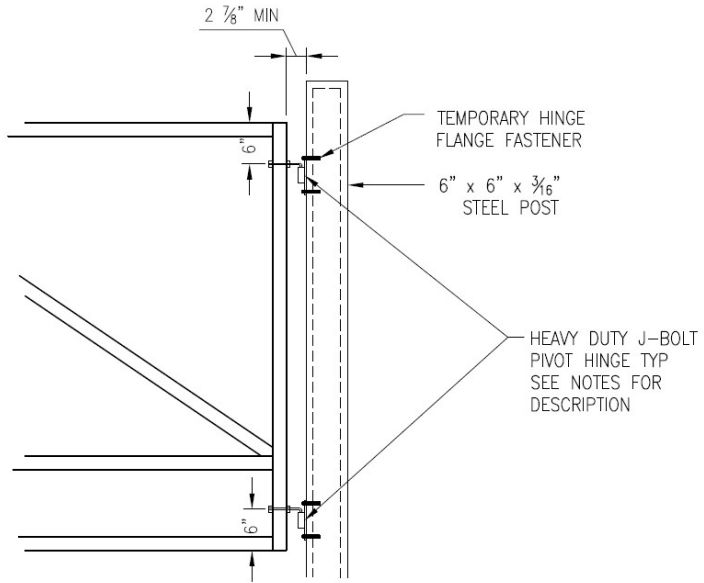
**NOTES:**

- ① HEAVY DUTY  $\frac{5}{8}$ " J-BOLT HINGE FROM HARDWARE SOURCE (SKU 783000 OR EQUAL)

HARDWARE SOURCE  
 5710 KEARNY VILLA RD SUITE A  
 SAN DIEGO, CA 92123  
 877-944-6437

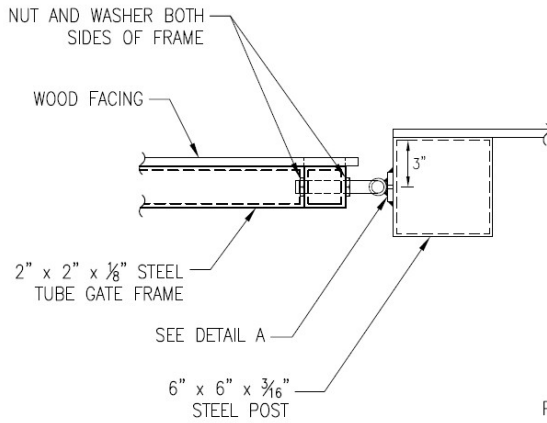
HINGE CAPACITY  
 500# PER PAIR

- ② PROVIDE TEMPORARY FASTENER FOR HINGE FLANGE PLACEMENT BY DRILLING PILOT HOLES IN POST AND INSTALLING SELF TAPPING SCREWS.
- ③ WELD ALONG VERTICAL EDGES OF HINGE FLANGE AFTER FINAL POSITIONING.



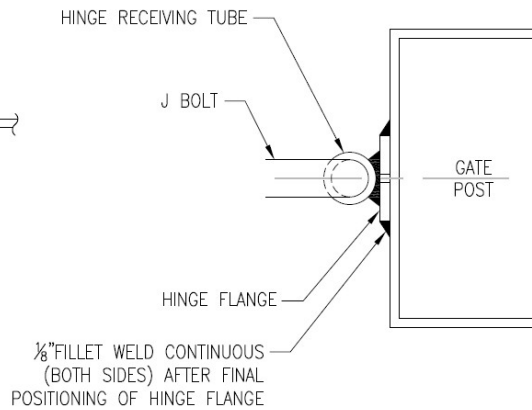
**J BOLT HINGE ELEVATION**

1" = 2'-0"



**J BOLT HINGE PLAN VIEW**

1" = 1'-0" (TOP & BOT. TYP)



**DETAIL A**

NTS

**SOUTHWEST LEVEE CROWN  
 DUAL SWING GATE**

**RECLAMATION DISTRICT 1608**

DATE:

MARCH 2013

STANDARD DRAWING:

S-17.2



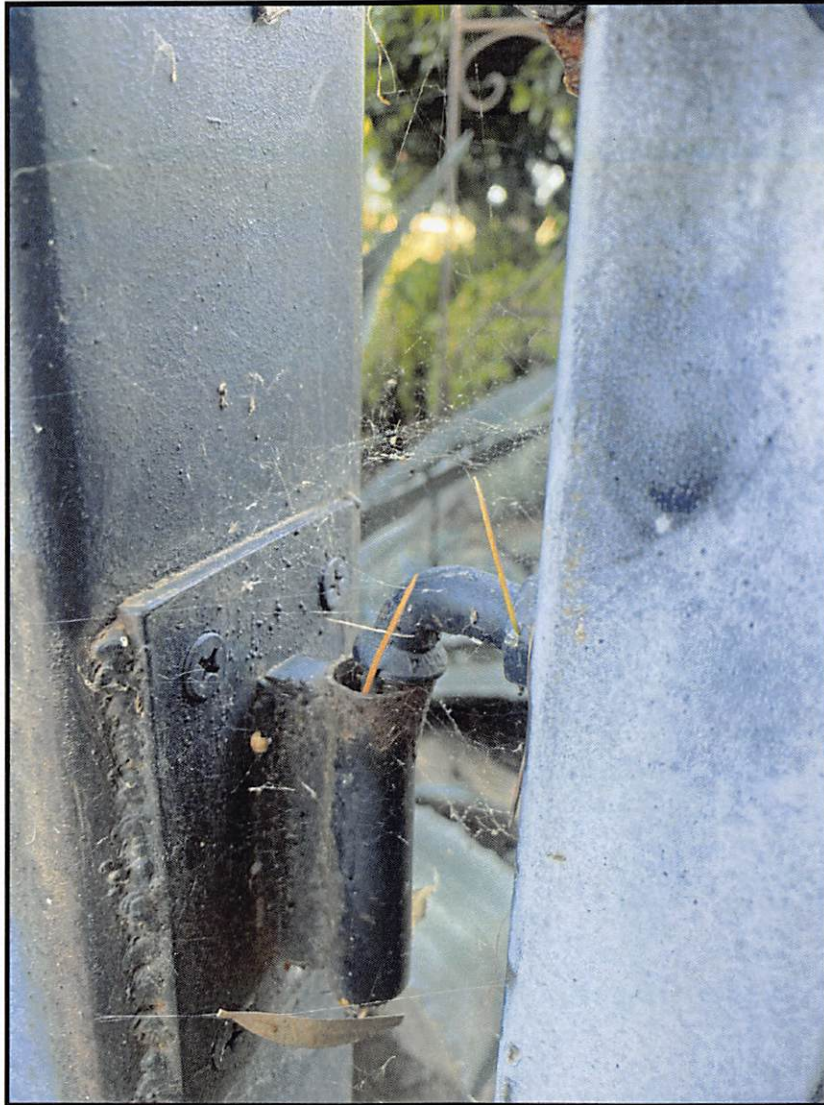
TYPICAL PHOTO

<b>SOUTHWEST LEVEE CROWN DUAL SWING GATE</b>	DATE: MARCH 2013
<b>RECLAMATION DISTRICT 1608</b>	STANDARD DRAWING: S-17.3



TYPICAL PHOTO

<b>SOUTHWEST LEVEE CROWN TYPICAL GATE HINGE</b>	<b>DATE:</b> APRIL 2026
<b>RECLAMATION DISTRICT 1608</b>	<b>STANDARD DRAWING:</b> S-17. 3A



TYPICAL PHOTO

<b>SOUTHWEST LEVEE CROWN OLD GATE HINGE (NO LONGER USED)</b>	<b>DATE:</b> APRIL 2026
<b>RECLAMATION DISTRICT 1608</b>	<b>STANDARD DRAWING:</b> S-17.3B



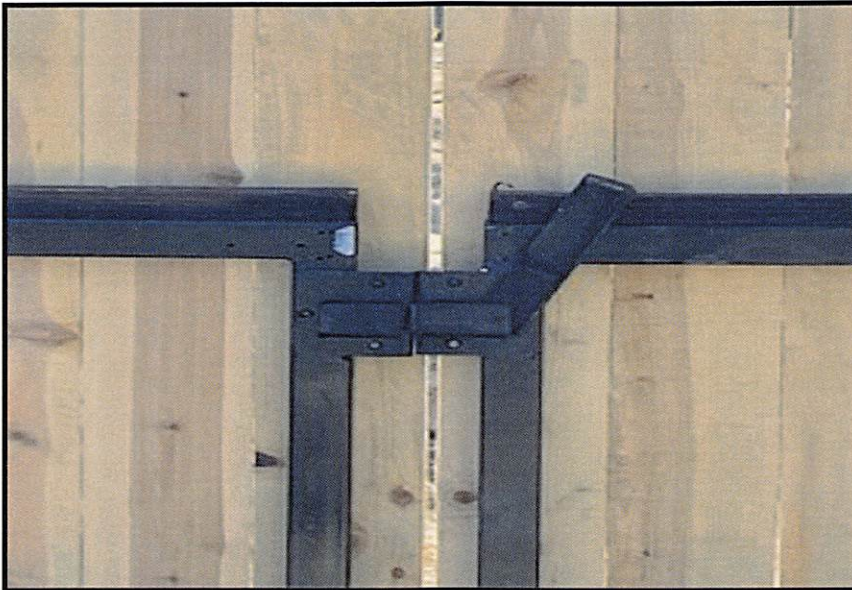
TYPICAL PHOTO

<b>SOUTHWEST LEVEE CROWN TYPICAL GATE LATCH DETAIL</b>	DATE: APRIL 2026
<b>RECLAMATION DISTRICT 1608</b>	STANDARD DRAWING: S-17. 4A



TYPICAL PHOTO

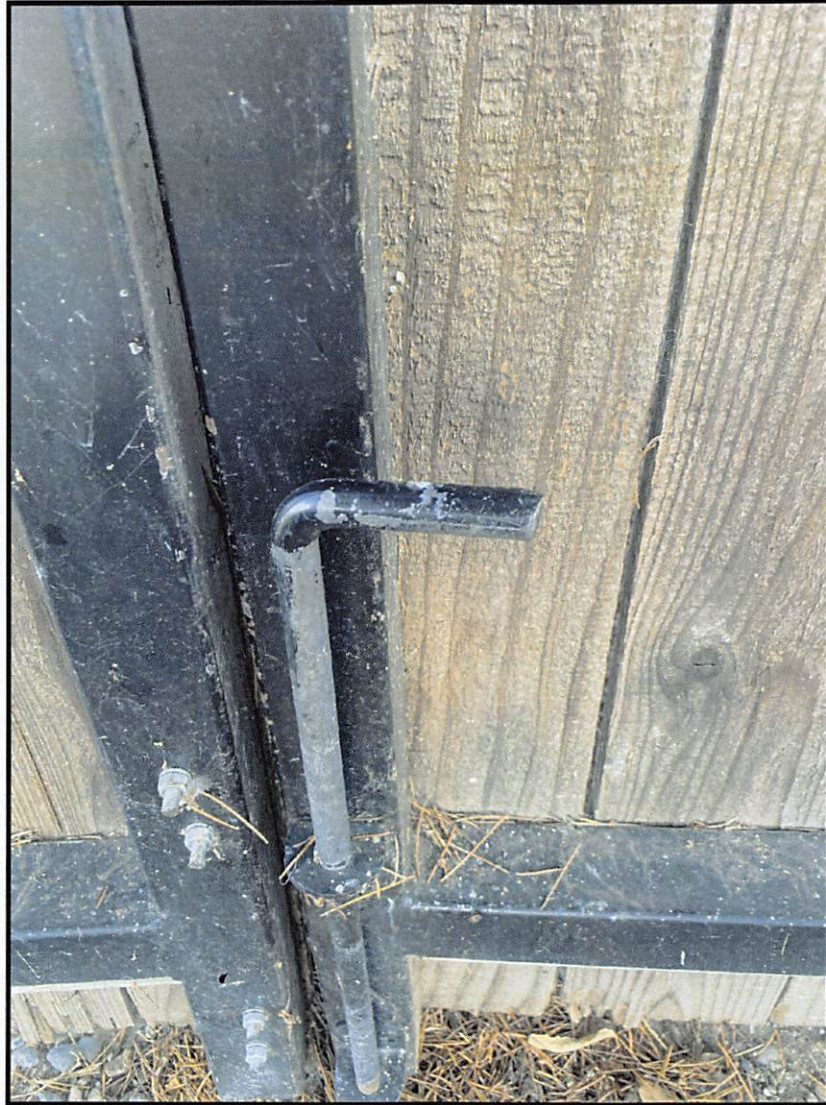
<b>SOUTHWEST LEVEE CROWN TYPICAL GATE LATCH DETAIL</b>	<b>DATE:</b> APRIL 2026
<b>RECLAMATION DISTRICT 1608</b>	<b>STANDARD DRAWING:</b> S-17. 4B



TYPICAL PHOTO

<b>SOUTHWEST LEVEE CROWN TYPICAL GATE LATCH DETAIL</b>	<b>DATE:</b> APRIL 2026
	<b>STANDARD DRAWING:</b> S-17.4C

**RECLAMATION DISTRICT 1608**



TYPICAL PHOTO

**SOUTHWEST LEVEE CROWN  
TYPICAL CENTER GATE POST DETAIL**

DATE:

APRIL 2026

**RECLAMATION DISTRICT 1608**

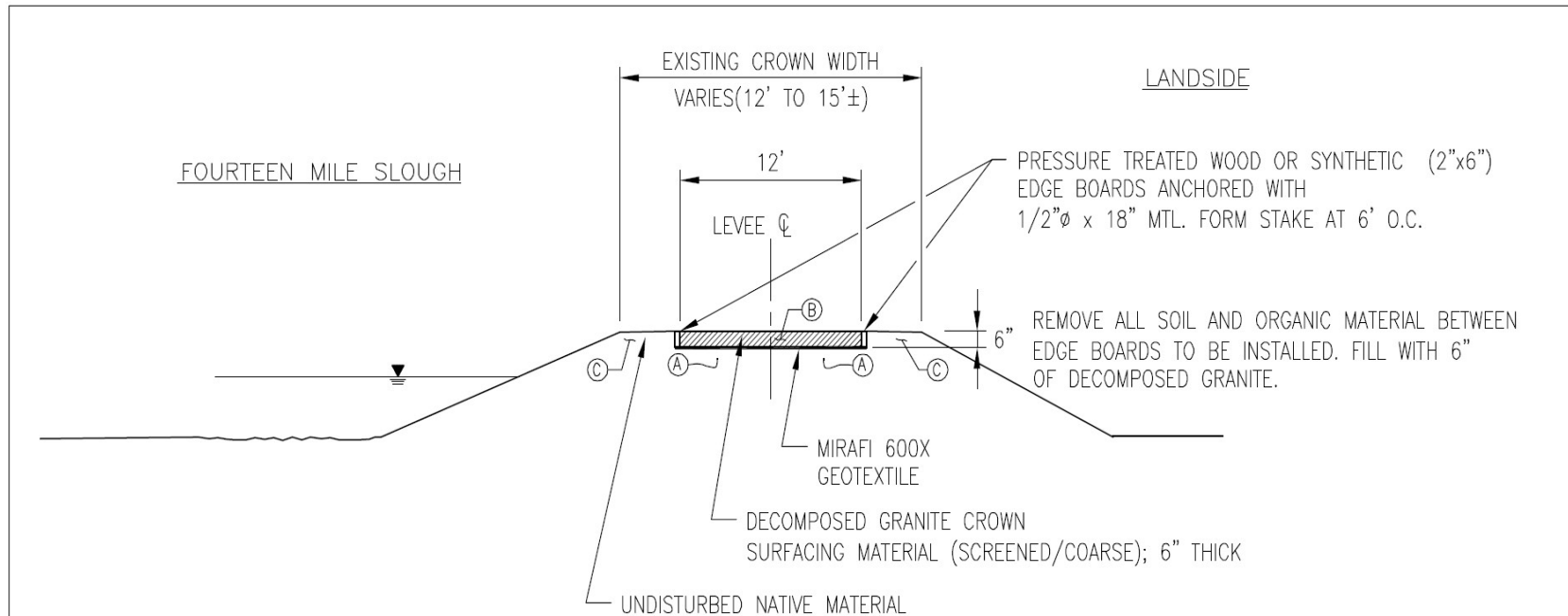
STANDARD DRAWING:

S-17.5A



TYPICAL PHOTO

<b>SOUTHWEST LEVEE CROWN TYPICAL CENTER GATE POST DETAIL</b>	<b>DATE:</b> APRIL 2026
<b>RECLAMATION DISTRICT 1608</b>	<b>STANDARD DRAWING:</b> S-17.5B



**NOTES:**

1. REMOVE EXISTING SOIL AND ORGANIC MATERIAL FROM THE LEVEE CROWN AS SHOWN ABOVE TO A DEPTH OF 6 INCHES. -**(A)**
2. COMPACT FOUNDATION AND GRADE SURFACE-**(A)**
3. PLACE MIRAFI 600X GEOTEXTILE.
4. PLACE 2"x6" PRESSURE TREATED WOOD EDGE BOARDS.
5. PLACE AND COMPACT DECOMPOSED GRANITE (DG) IN TWO 3-INCH LIFTS. -**(B)**
  - a. MAXIMUM PARTICLE SIZE = 3/8 INCH
  - b. 10% TO 15% FINES

# ITEM 6

Dr. Michael R. Panzer, Chairman  
Dan MacDonnell, Trustee  
Dot Lofstrom, Trustee

**RECLAMATION DISTRICT NO. 1608  
LINCOLN VILLAGE WEST  
BOARD OF TRUSTEES MEETING  
WEDNESDAY, JUNE 3, 2026  
8:00 A.M.  
ENGINEER'S REPORT**

Andrew J. Pinasco, Attorney  
Elvia C. Trujillo, Secretary  
Christopher H. Neudeck, Engineer  
Joe Bryson, Superintendent

**I. LOWER SNA JOAQUIN RIVER FEASIBILITY PROJECT**

- A. Review the outcome from the FM 50L Fourteenmile Slough US Army Corps of Engineers Design Charrette held on Thursday May 21, 2026.

*EXHIBIT A: Meeting Agenda.*

*EXHIBIT B: Design Charrette PowerPoint presentation.*

**II. PLAN REVIEW**

- A. Review status of Annual Levee Inspection of the District's Levee system for 2026.

*EXHIBIT C: Violation Remedy tracking for 2026.*

**III. DELTA LEVEE SUBVENTIONS PROGRAM**

- A. Review recent program briefing by a PowerPoint presentation by Department of Water Resources (DWR) Staff on the last several years of the Program.

*EXHIBIT D: DWR PowerPoint presentation on Subventions Program.*

# EXHIBIT A

# FM 50L, 14-Mile Slough Closure Structure Design Charrette – Preliminary Agenda

Thursday, May 21, 2026  
 Design Charrette: 0900 – 1530  
 Optional Site Visit: 1600 – 1700  
 Stribley Community Center  
 1760 E Sonora St., Stockton, CA 95205

## Meeting Objectives

1. Discussion of the design alternatives for the USACE authorized gate structure at 14-Mile Slough.
2. Get consensus from federal and non-federal sponsors on preferred gate design to allow for project to move into 30% design.

Note: Charette will be a focused, facilitated discussion on the design considerations of the authorized project. A Value Engineering study will occur later this year.

## Agenda

#	Time	Topic	Leads	Objective
1	0900	Welcome and Introductions  Facilitation, Ground Rules and Expectations	Dylan Van Dyne, USACE  Tiffany Mendoza, HDR	
2	0930	Project Overview <ul style="list-style-type: none"> <li>• Review Design Schedule (5 min.)</li> <li>• R/W and Site Access (10 min.)               <ul style="list-style-type: none"> <li>○ Ownership</li> <li>○ Adjacent projects</li> </ul> </li> <li>• H&amp;H analysis (45 min.)</li> <li>• Interior Drainage (30 min.)</li> <li>• Environmental (10 min.)               <ul style="list-style-type: none"> <li>○ Permitting Requirements</li> <li>○ Work Windows, Limitations, Monitoring</li> </ul> </li> </ul>	Kevin Fellows, HDR   Cheegwan Lee, USACE Chris Ferrari, GEI Jeffrey Wang, USACE	Information Sharing
3	1130	Lunch <i>Lunch will be provided on-site in conference room to accommodate a short 30-minute lunch break.</i>		
4	1200	Gate Alternatives/Selection Criteria <ul style="list-style-type: none"> <li>• Geotechnical (40 min.)</li> <li>• Structural (40 min.)</li> <li>• Mechanical (40 min.)</li> <li>• <i>Break at approx. 1400 (10 min.)</i></li> <li>• Electrical (20 min.)</li> </ul>	Garret Harris, HDR Wes Jacobs, HDR Matt McGuire, HDR  Mark Anderson, HDR	Discussion on path forward for 30% design

FM50L, 14mile Slough Closure Structure  
 May 21, 2026, 9:00 a.m. - 5:00 p.m.

#	Time	Topic	Leads	Objective
		<ul style="list-style-type: none"> <li>• Civil (30 min.)                             <ul style="list-style-type: none"> <li>○ Existing Utilities</li> <li>○ Navigation</li> <li>○ Construction Sequencing</li> </ul> </li> </ul>	Kevin Fellows/ Jim Lorenzen, HDR	
5	1500	Operations & Maintenance (25 min.) <ul style="list-style-type: none"> <li>• Control Building</li> <li>• Site Security</li> <li>• Controls</li> <li>• Stop Logs</li> </ul>	Kevin Fellows, HDR	Information Sharing
6	1525	Closing/Next Steps <ul style="list-style-type: none"> <li>• Review Due Outs</li> <li>• Review Parking Lot</li> </ul>	Dylan Van Dyne, USACE & Tiffany Mendoza, HDR	Information Sharing
7	1530	Adjourn	Tiffany Mendoza, HDR	
8	1600	Optional Site Visit  Meeting location at TS 30L construction staging site at the intersection of W. March Lane and March Lane (across the street from 3910 W March Lane) Location Pin Drop: <a href="https://maps.app.goo.gl/cfc5ob5YKWztbBeE9">https://maps.app.goo.gl/cfc5ob5YKWztbBeE9</a>	All	Information Sharing
<b>Site Visit Details:</b> <ul style="list-style-type: none"> <li>• Interested participants depart by car and meet at the project site.</li> <li>• Directions and parking information will be provided.</li> <li>• Anticipate no more than 30 min. on site.</li> <li>• PPE requirements: Hardhat, steel toe boots, bright colored vest</li> <li>• QA orientation at Mobile site, caravan to gate location, ride share</li> </ul>				

# EXHIBIT B

# FM50L FOURTEEN MILE SLOUGH DESIGN CHARRETTE

Date: 21 May 2026

Stribley Community Center, Stockton

## Teams

Meeting ID: 993 560 645 379

Passcode: Yc6qk79h



U.S. ARMY



US Army Corps  
of Engineers



# Welcome & Introductions

Dylan Van Dyne, USACE  
Tiffany Mendoza, HDR

 **AGENDA**

0900 - Welcome and Introductions

0930 - Project Overview

1130 - Lunch

1200 - Gate Alternatives & Selection Criteria

1500 – Operations & Maintenance

1525 - Closing & Next Steps



## SAFETY MOMENT

4



1. Identify Emergency Exits
2. Delegate Individual to call 911
3. Site Visit Personal Protective Equipment Needs:
  - Hard Hat
  - Safety Vest
  - Steel Toe Boots



## MEETING OBJECTIVES

- **Discussion of the design alternatives** for the USACE authorized gate structure at Fourteen Mile Slough.
- **Get consensus from federal and non-federal sponsors on preferred gate design** to allow for project to move into 30% design



## EXPECTATIONS



- Focus on meeting objectives/agenda
  - Non-agendized topics will be noted in the “parking lot”
- Encourage active listening and participation
  - Raise your hand to contribute
- Respect everyone’s time
  - Be succinct
  - Agree with points already made without repeating
- Tackle problems, not people
  - Focus on issue and be respectful of other opinions

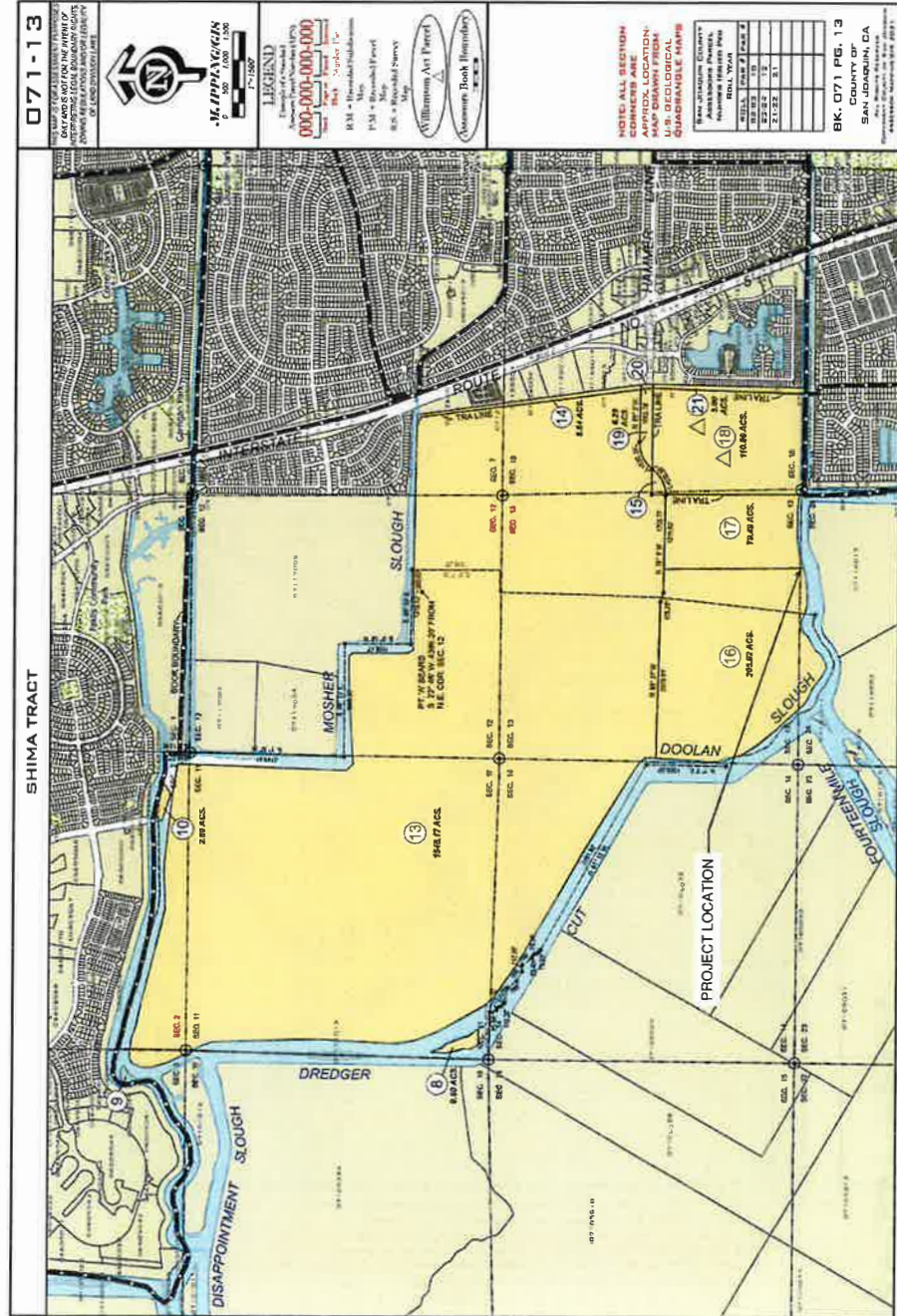
# OVERVIEW

 **DESIGN SCHEDULE**

- **Design Charrette:** May 21, 2026
- **30% Design Submittal:** (150 days after Govt provides Design Charrette Meeting comments)
  - ~June 01, 2026 – October 30, 2026
    - Cadence of PDT Meetings During Design: TBD
- **USACE NFS 30% Review:** (21 days)
  - ~November 2, 2026 – November 23, 2026
- **Value Engineering Study:** ~January 11, 2027 – January 14, 2027

**30% Design Deliverables:**

- Geotechnical Data Report (GDR)
- Geotechnical Basis of Design Report (GBODR)
- Design Documentation Report (DDR)



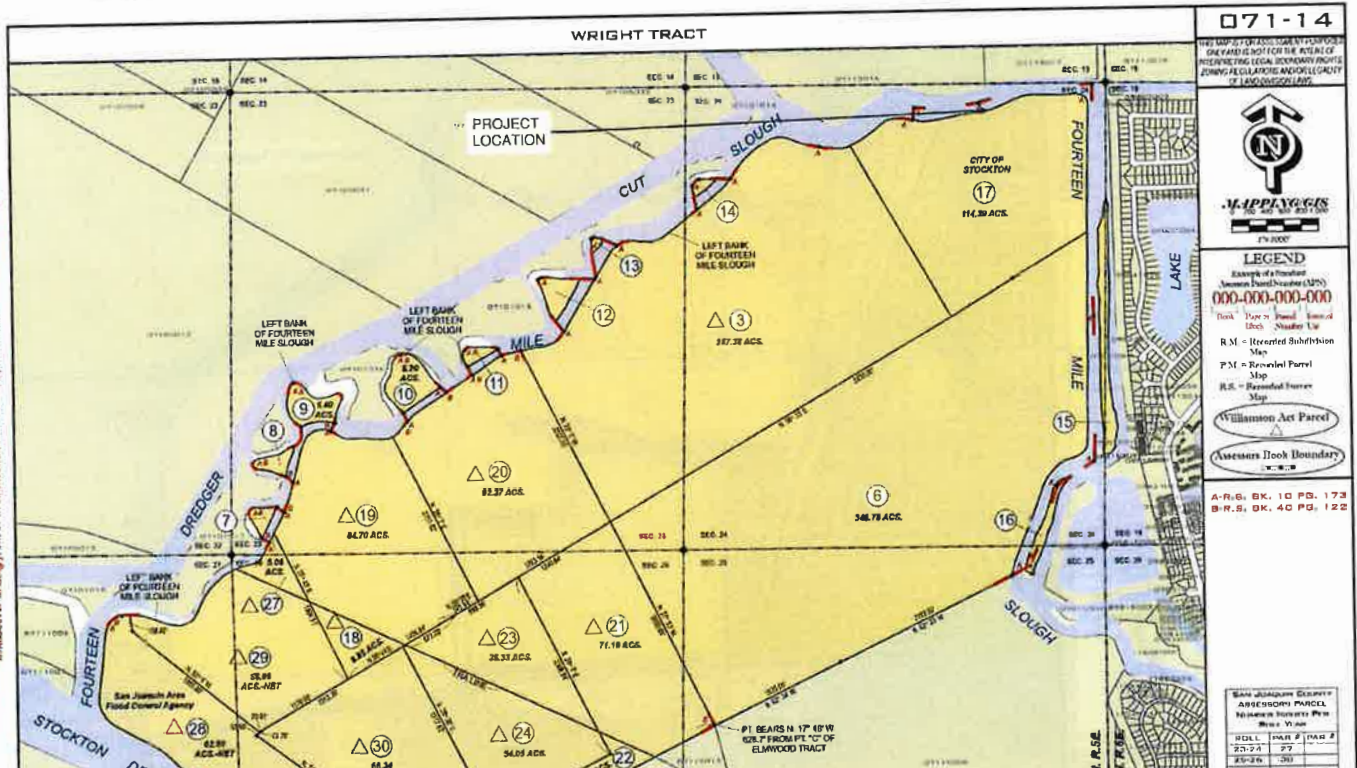
Shima Tract – Private Land

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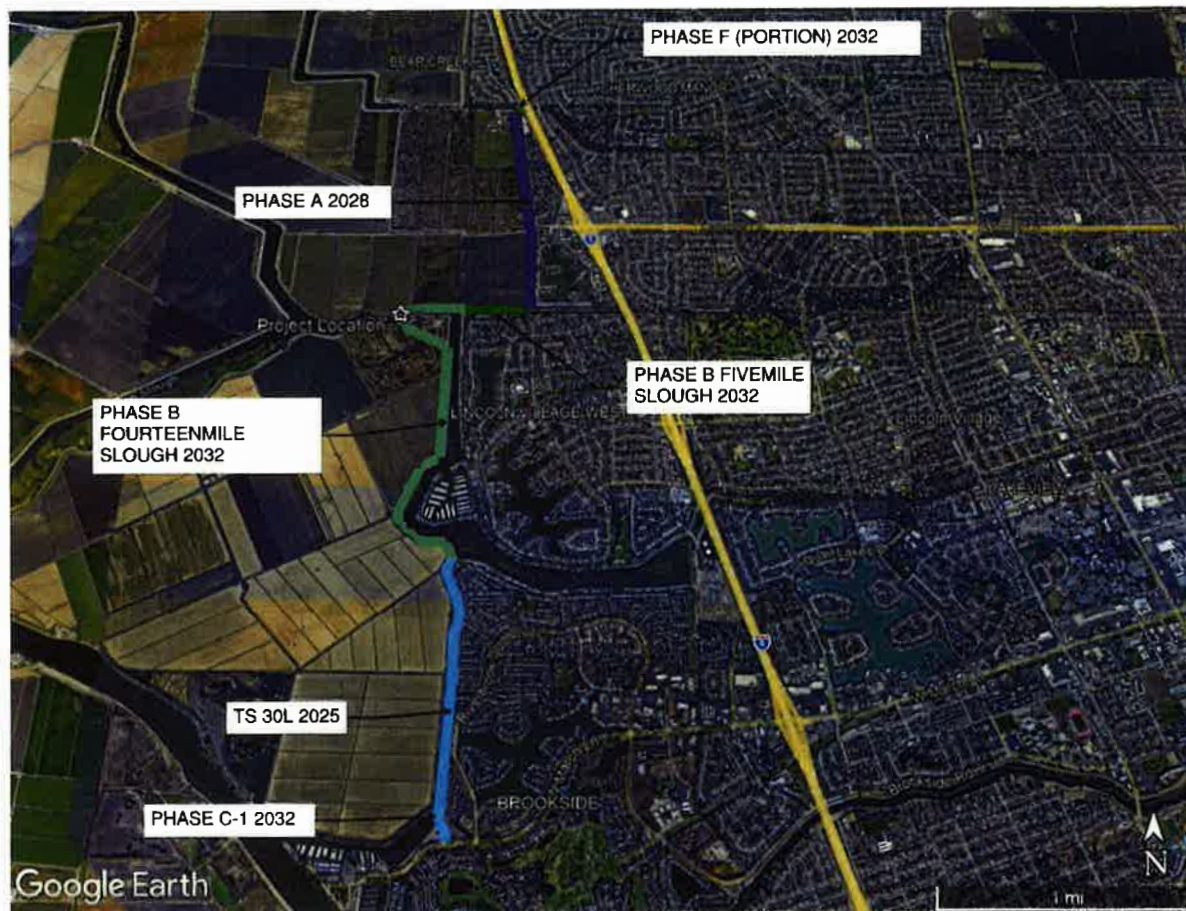


# ACCESS - ADJACENT PROJECTS



- Phase F (North Access) should be completed prior to start of work
- Phase B (South access) may be under construction

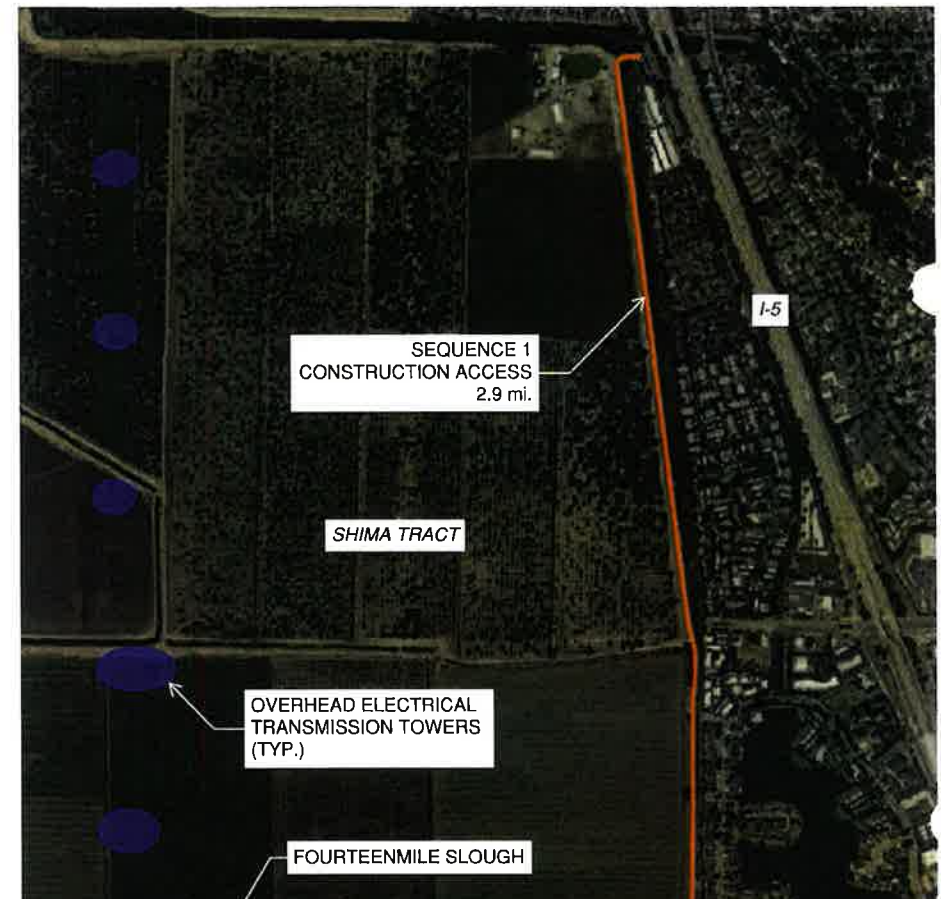
## SITE ACCESS



- Access from the North (Shima Tract) is closest to major roadways
- Assumed majority of Structure Constructed from the North
- Land-based construction (trestle)

## SITE ACCESS - NORTH

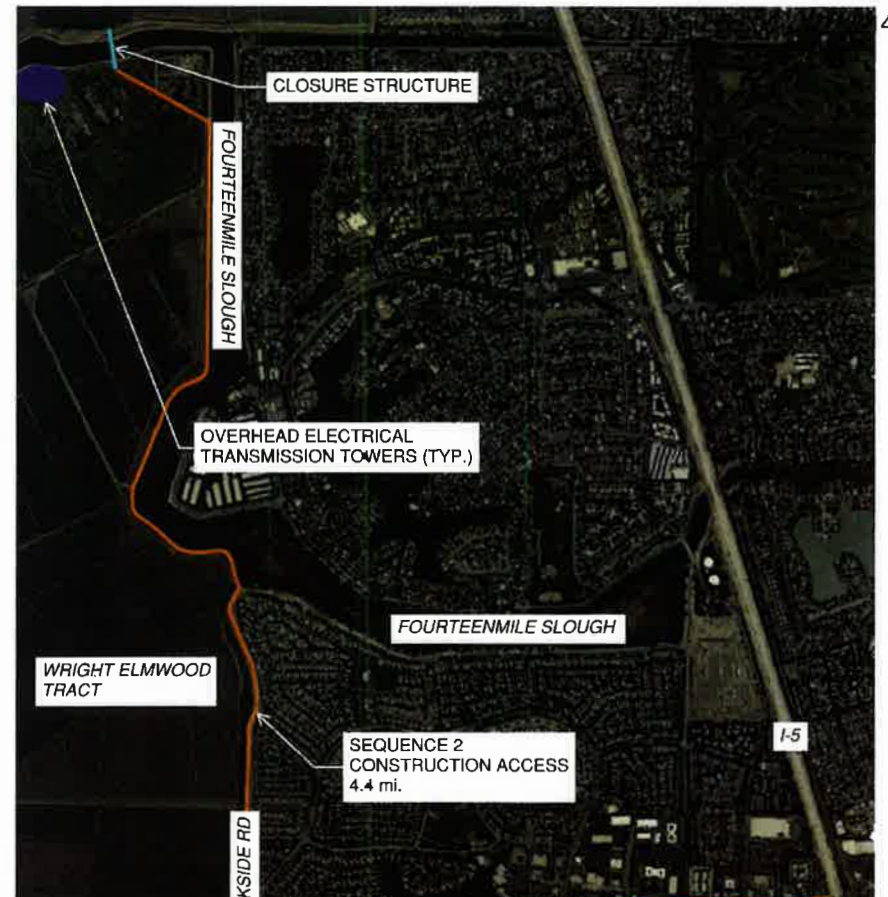
- Access from the North (Shima Tract) is closest to major roadways
  - Approximately 2.9 mi.
  - Mariners Ln access via Levee Road
- Assumed majority of Structure Constructed from the North
  - Shima Fills
  - Gate structure and North Floodwall





## SITE ACCESS - SOUTH

- Access from the South (Wright Elmwood Tract) is farthest from major roadways
  - Approximately 4.4 mi.
  - I-5 access via March Ln, Brookside Rd, Levee Road
- Assumed minority of Structure Constructed from the South
  - Wright Elmwood floodwall
  - South Fills



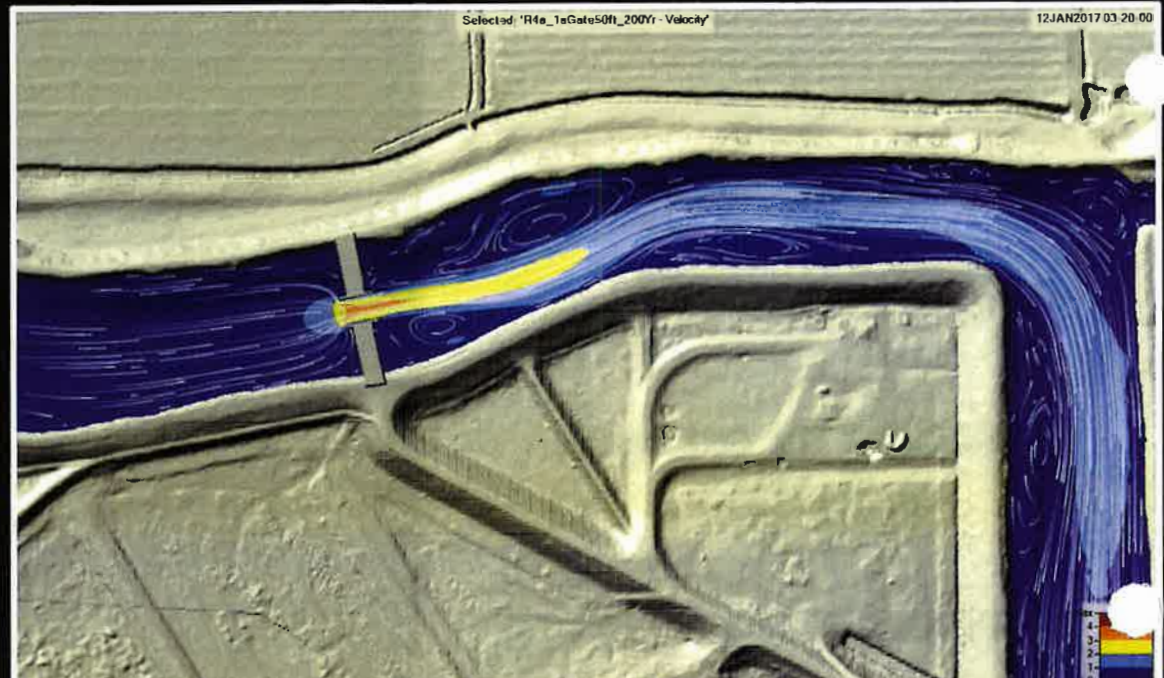
## SITE ACCESS - WATER



Barge – Port of Stockton to Project

- Dutra stated it is workable for barges

# Hydraulic Evaluation



 **OUTLINES**

**What → Why → How → What Found → What Matters.**

- Objectives
- Project Setting and Flood Control
- H&H Project Task Overview
- Hydraulic Design Criteria and Consideration
- Hydraulic Modeling Framework and Analysis
- Summary of Results and Recommendations



## OBJECTIVES (HYDRAULICS)

- Summarize the **H&H design criteria** governing gate operation, loading, and O&M.
- Present the **site-specific hydraulic analyses** completed to date and how they inform those criteria.
- Support **design charette (miter gate vs. sector gate discussion)** and identify next steps toward 35% design.

## PROJECT SETTING AND FLOOD CONTROL

- Fourteenmile Slough is a **tidally influenced slough**, connected to the **Lower San Joaquin River / Delta** and interior drainage system.
- The proposed gate site is about **0.3 mile west of Fivemile Slough** and about **0.5 mile upstream of the Delta connection**.
- **Interior drainage** discharges stormwater directly into slough via pumping stations.
- The project is intended to **reduce backwater flooding risk in North Stockton** while maintaining **normal**



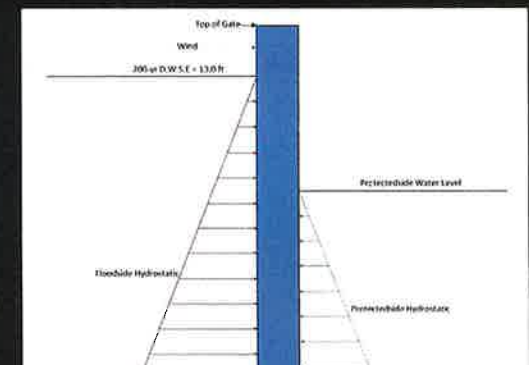
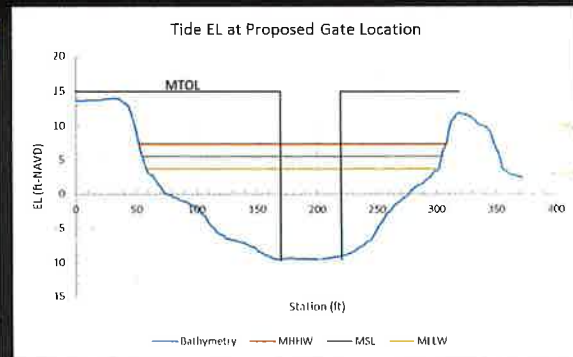


## H&H PROJECT TASK OVERVIEW

- Purpose of Gate Structure
  - Reduce flood risk to North Stockton by preventing **backwater flooding** from the San Joaquin River and Delta during high water events. **The authorized plan is construction of a 50-ft wide miter gate.**
- Hydraulic Tasks for Phase B2 Gate Closure Structure
  - Task 1: Design water surface elevation (completed)-hydraulic loading
  - Task 2: Base hydraulic model (completed)
  - **Task 3: Design hydraulic model (initial site evaluation completed)**
  - **Task 4: Interior drainage (HDR/GEI JV)**
  - Task 5: CFD modeling (toward 65%)
  - Task 6: Hydrodynamic loading (toward 65%)
  - Task 7: Wind wave analysis for gate structure loading (completed)/land side protection (ongoing)

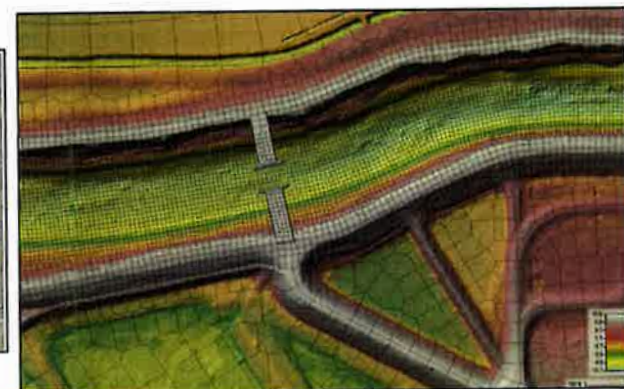
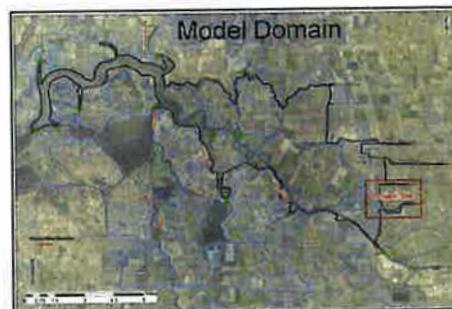


Topic	Preliminary design basis / implication
Tidal regime	Mixed semidiurnal Delta tide; <b>several feet of daily stage variation</b> and flow reversals govern <b>operation timing</b> .
Design Water Surface Elevation	Backwater-controlled; 1/200 AEP + 2070 SLR $\approx$ <b>13.0 ft NAVD88</b> for PED. Sea level rise likely increase future closure frequency.
Closure/Reopen trigger	Preliminary trigger <b><math>\sim</math>8.0 ft NAVD88 (TBD)</b> ; <b>close near slack tide, reopen when Delta stages recede</b> and interior drainage can safely discharge. <b>Emergency gate operation</b> under potential landside levee failure.
Operation frequency expectation	Historical stage analysis suggests about <b>2–3 closures per year</b> under current conditions, with <b>multi-day closure possible</b> in wetter years.
Interior drainage constraint	Closed-gate storage appears feasible if starting stage is low; allowable landside WSE must be determined. <b>Potential reverse head conditions</b> .
Operation loads	The gate must resist <b>full hydrostatic differential head</b> under design flood conditions and may also need to operate under limited flow during <b>emergency conditions</b> and some <b>reverse differential head</b> .
Sediment/Debris	No significant sediment accumulation at proposed gate. Localized



## HYDRAULIC MODELING FRAMEWORK

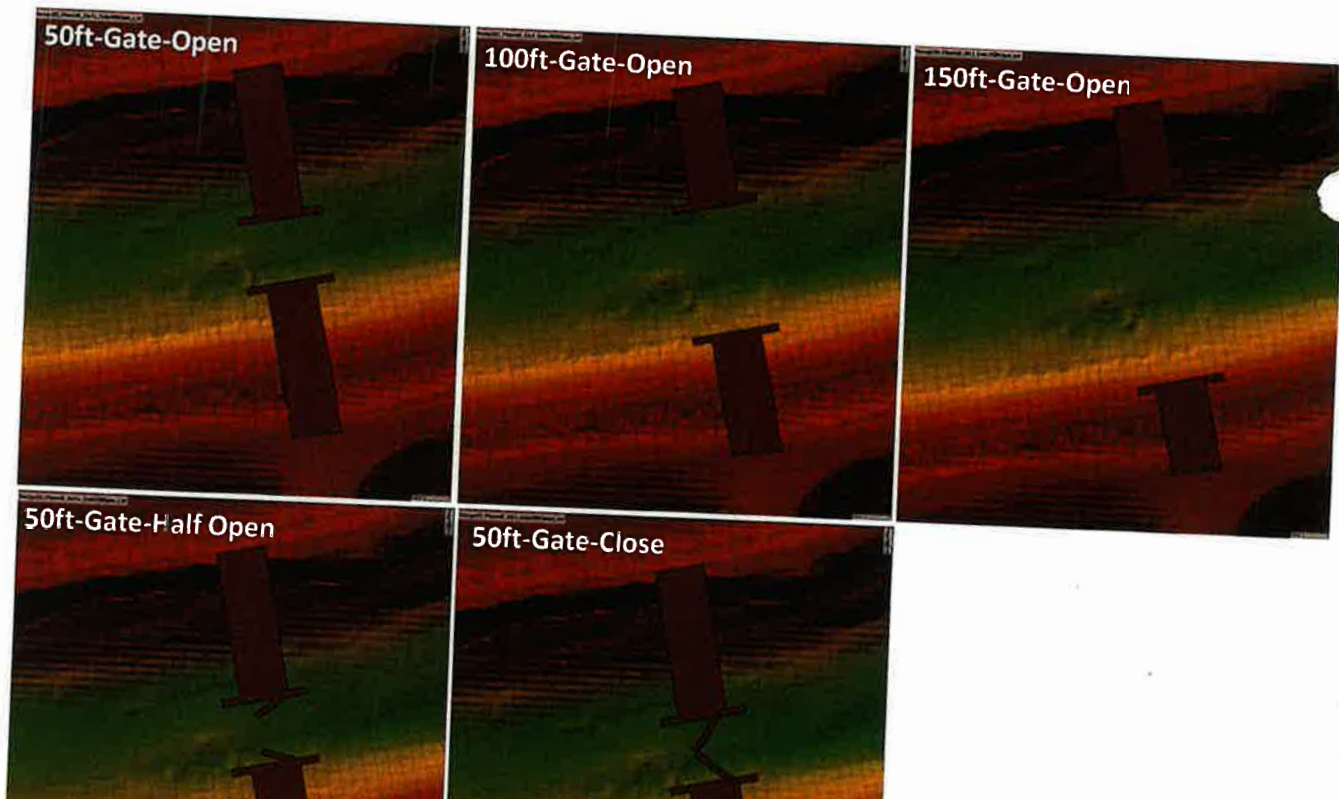
- Platform: HEC-RAS 2D v6.6
- Updated from base hydraulic model
- Boundary conditions: tides, flood, and interior drainage inflow.
- **Modeling Scenarios**
  - Design baseline (existing condition)
  - **Gate configuration** (50, 100, 150-ft widths; open/closed/partial)
  - Emergency closure for **levee breach**
  - Tracer mixing and transport for **water quality and sedimentation impacts**
  - Impact of **interior drainage**





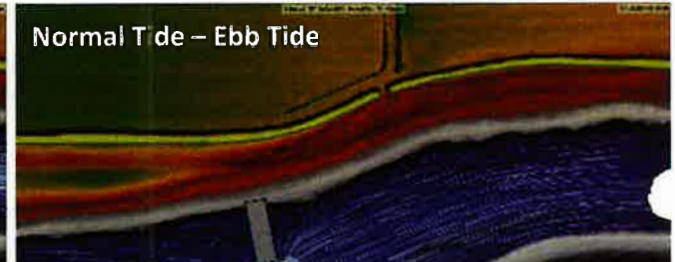
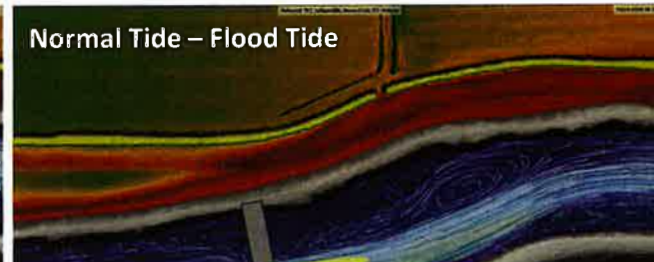
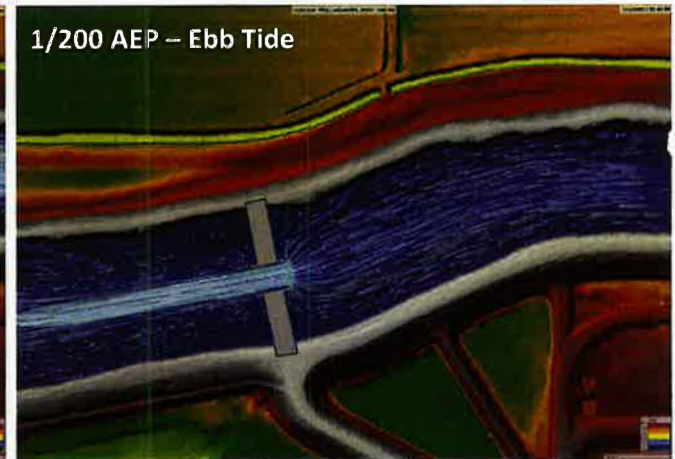
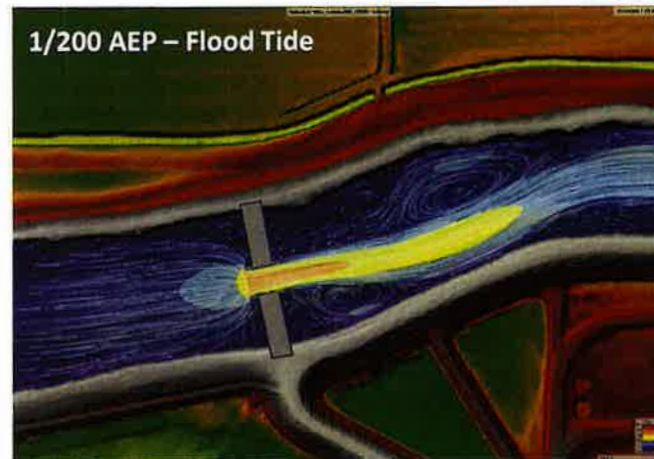
## GATE OPENING ALTERNATIVES

- Evaluate impact of gate opening width on **hydraulic performance, operability, and system response.**
- Support **risk-informed decision-making**, while ensuring the selected design meets the **authorized project function** and balances **cost, risk, environmental effects, and long-term performance.**



## IMPACT ON PEAK VELOCITY (50-FT GATE OPEN)

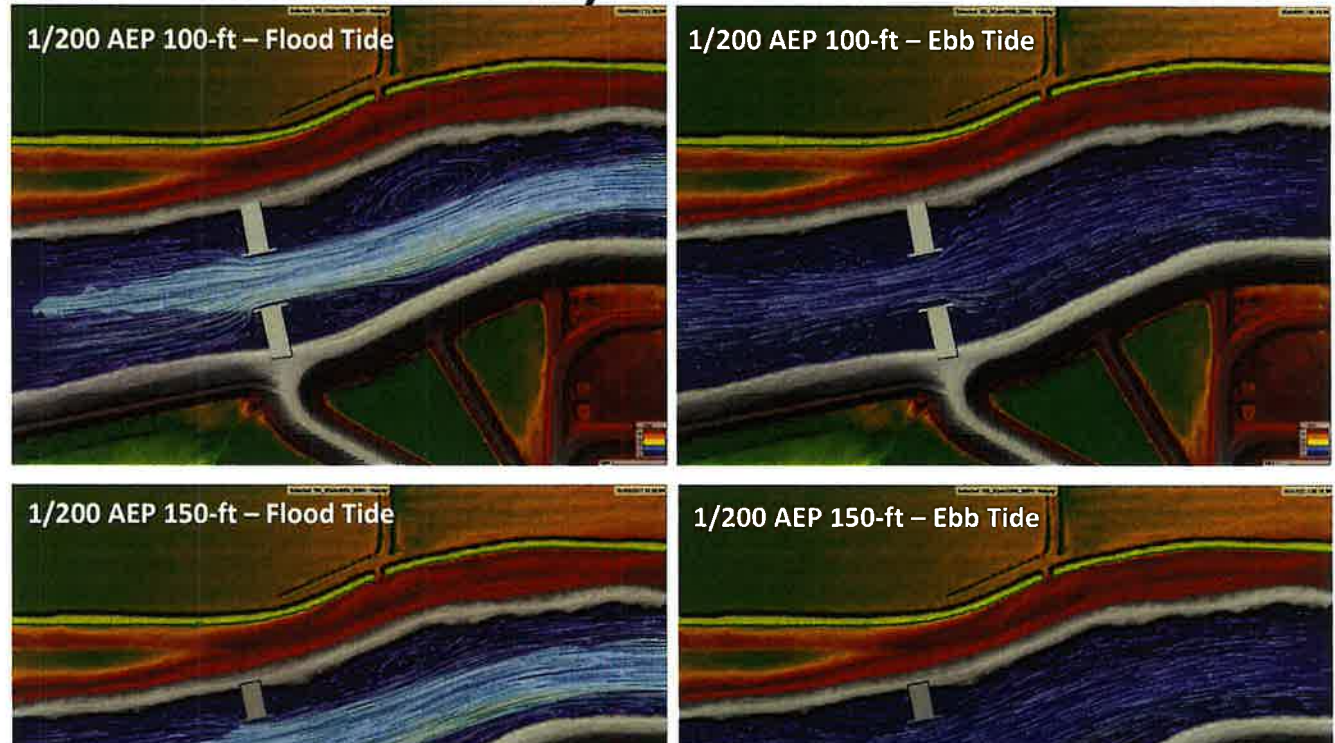
- Narrower openings **increase local velocity.**
- Highest velocities occur during flood tide.
- **50-ft opening:** peak velocity  $\approx$  3.4 ft/s (2~3 hours  $>$  2 ft/s)
- **50-ft half-open:** peak velocity  $\approx$  5.3 ft/s  $\rightarrow$  increase dynamic surge load.





## IMPACT ON PEAK VELOCITY (100-FT AND 150-FT GATE OPEN)

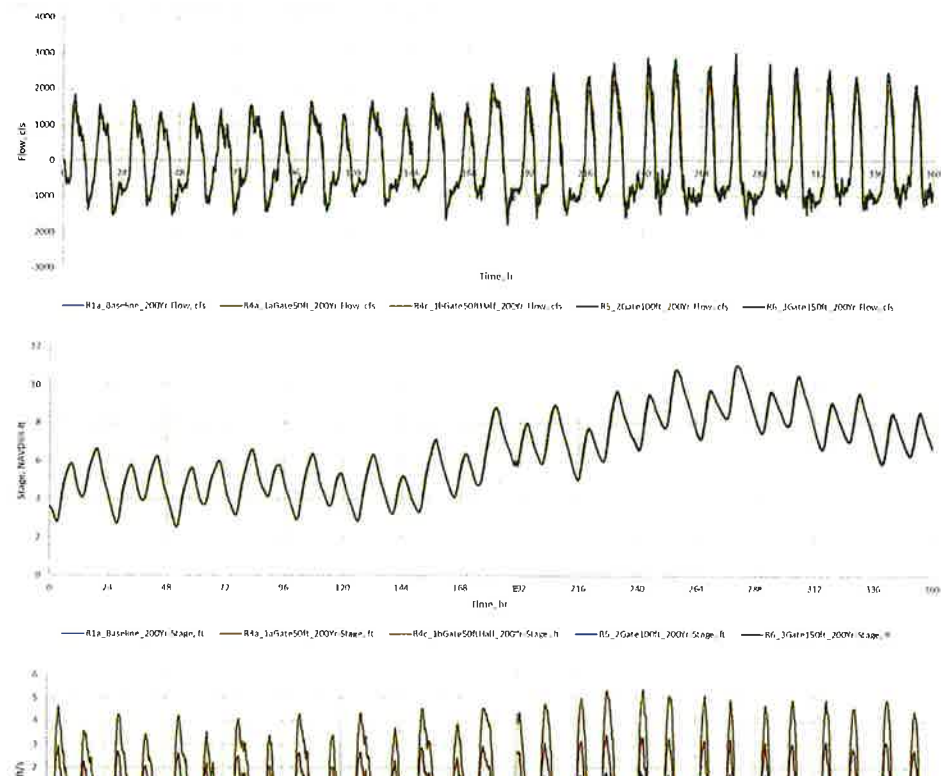
- Wider gate openings significantly **reduce local peak velocity** compared to narrower opening.





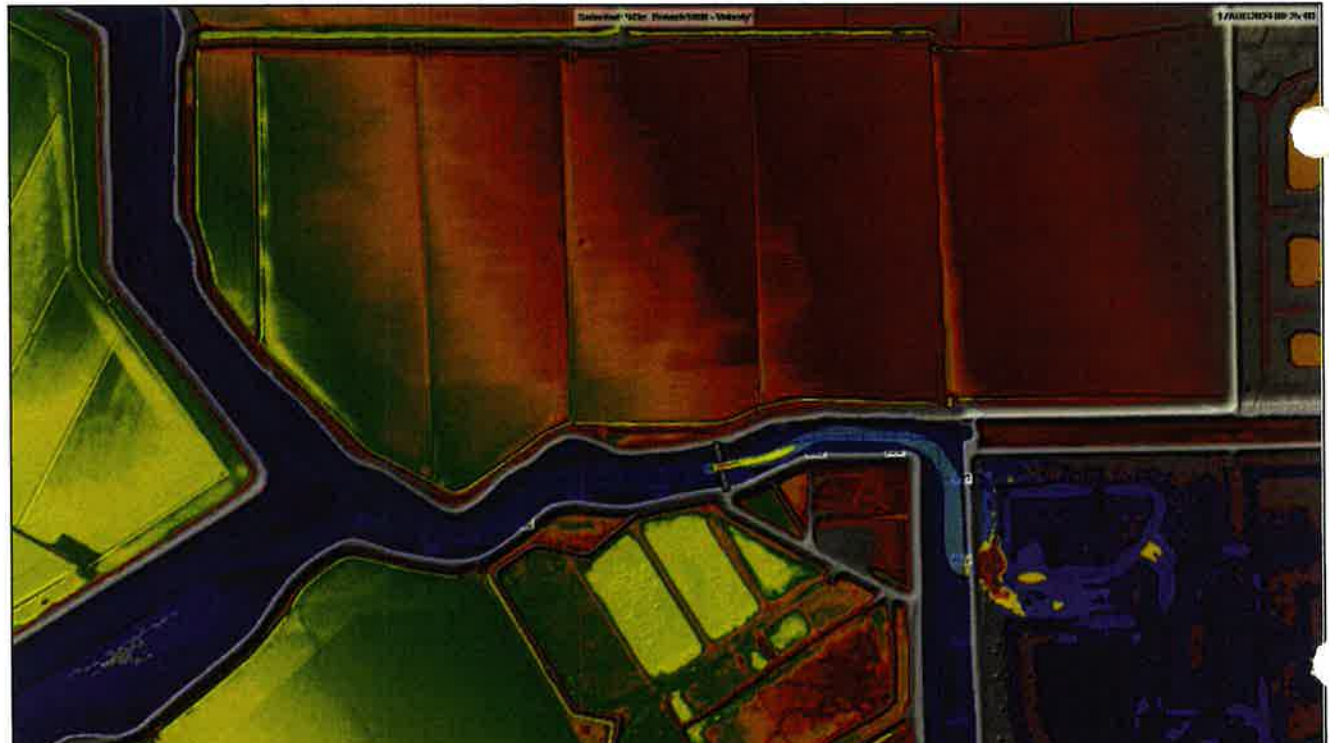
## IMPACT ON FLOW, STAGE, AND VELOCITY

- **No significant change** in overall tidal exchange, flow, and water surface elevations across gate opening widths, except locally near the gate (baseline peak < 2 ft/s).
- Peak velocity near the gate ranges from about **1 to 5.4 ft/s (complete open to 50% open)**, depending on opening width and gate position.
- The **50-ft half-open case** produces the highest velocity. Gate operation **increases hydrodynamic (surge) load** (mechanical design implication)



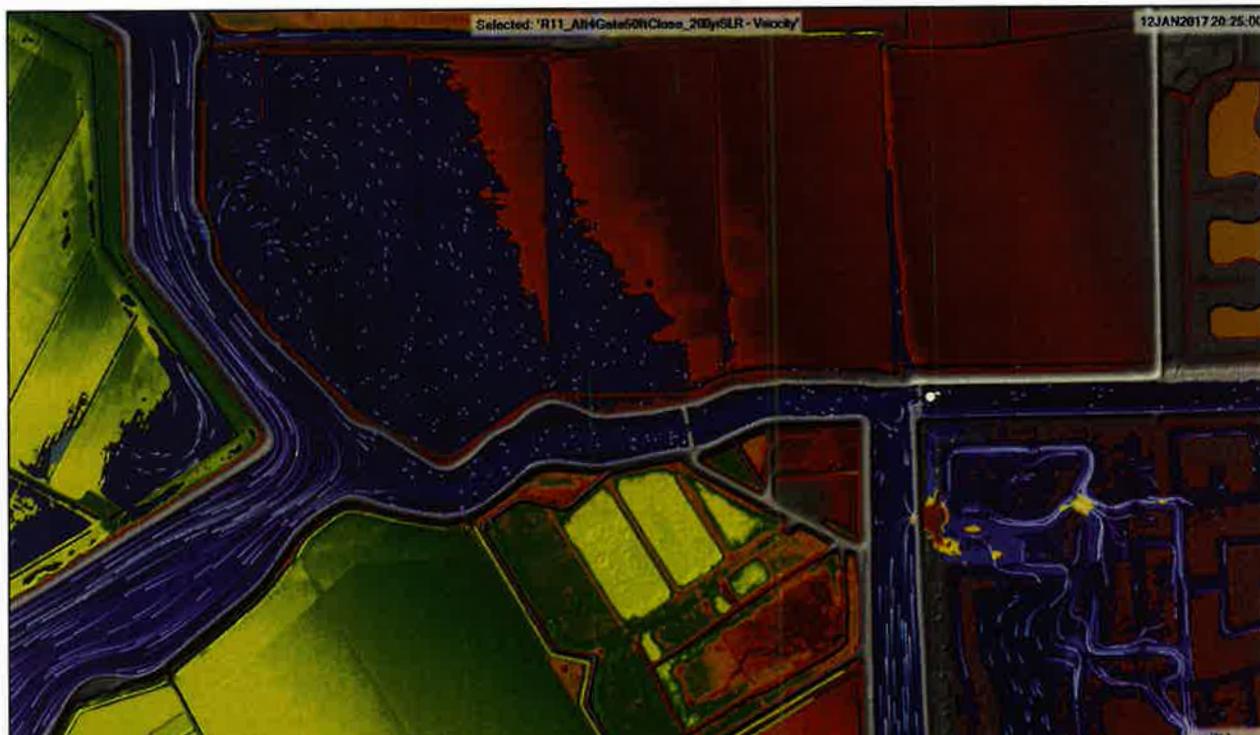
## LEVEE BREACH SCENARIOS (NORMAL TIDE)

- Emergency gate closure necessary under landside levee breach conditions.
- Scenario evaluated: **50-ft gate open with 30-, 50-, and 100-ft breach widths** during normal tide (geotechnical inputs needed).
- Peak velocity at the gate is about **2.5, 2.7, and 3.2 ft/s**, respectively.
- These velocities may be important **structural and**



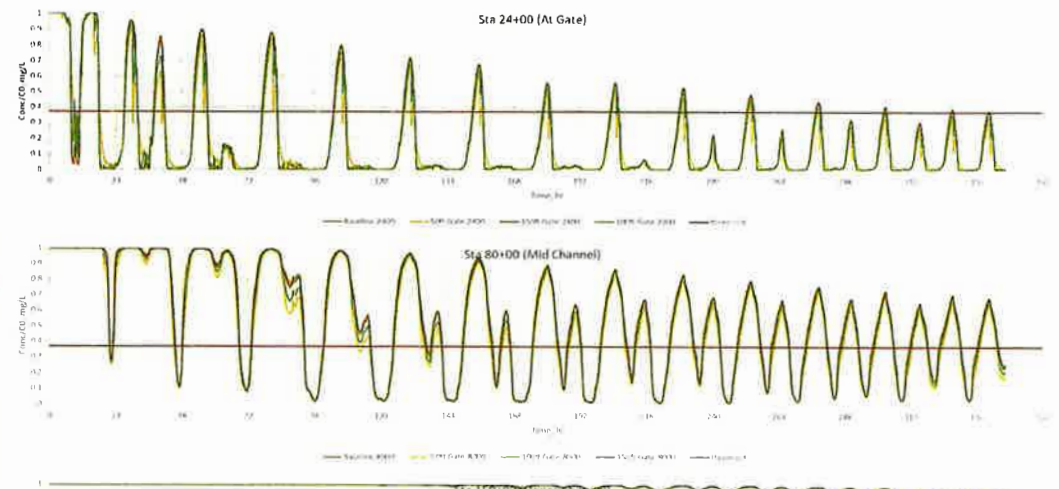
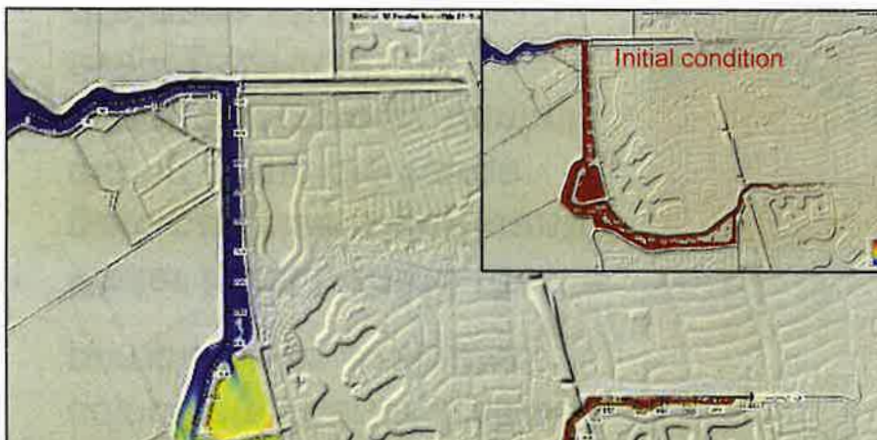
## IMPACT OF LEVEE BREACH ON CLOSED GATE

- **Minimal hydraulic velocity impact** but expected **rapid increase of positive differential head** at the gate and adjacent levee (design hydrostatic load?).
- **Smaller inundation extent than the open-gate breach scenario** due to reduced breach inflow.



## IMPACT ON WATER QUALITY AND SEDIMENTATION

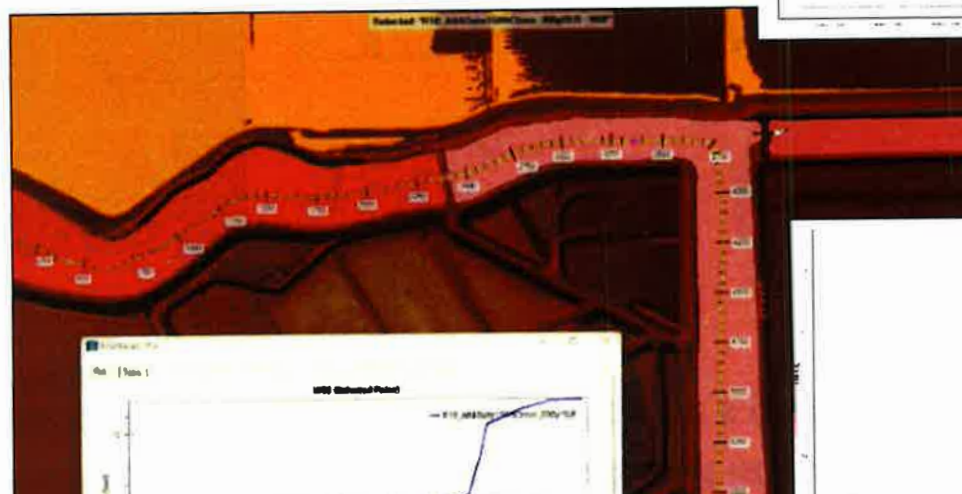
- Tracer modeling indicates **minimal system-wide WQ/Sedimentation impacts** of gate widths.
- The **50-ft gate** slightly enhances **local mixing** due to **jet-like flow** without **notable upstream impact**.
- **Upper channel shows long residence time and weak mixing**, indicating a greater potential for **localized sedimentation**. Consistent with SAV and historical dredging.





## IMPACT OF INTERIOR DRAINAGE PUMPING FLOWS

- **Closed-gate** scenario with coincident interior drainage pumping was evaluated.
- **Water level behind the gate can rise significantly** during pump discharge under a coincident rainfall event (**HDR/GEI JV drainage study**).
- Design question: **temporary storage to be open during receding tide reliably, and mitigations**





## SUMMARY OF RESULTS

**Key H&H message:** hydraulic setting supports the authorized 50-ft opening concept. Gate operation under hydrostatic and dynamic loading, potential reverse head difference, and emergency conditions remains the critical design issue.

- **Narrower Gates Increases Local Velocity:** Peak velocity ranges from 3.4 ft/s (50-ft open) to 5.3 ft/s (50-ft half-open during gate closing time of 1~2 minutes for miter gate, critical load case).
- **Localized jetting and recirculation:** the 50-ft gate produces jet-like flow and local scour/deposition risk near the structure.
- **Minimal system-wide water quality impact:** all gate widths show similar flushing; the 50-ft gate slightly increases mid-slough mixing near gate location.
- **Closure/reopening timing is critical:** gate operation should occur near low slack tide to minimize hydraulic and mechanical loading and potential reverse head condition.
- **Sunny Levee Breach + Opened Gate = Emergency Risk**



## SUMMARY OF RESULTS (CONTINUED)

- **Interior Drainage/Closed Gate Storage**

- **Closed-gate storage may be feasible for multi-day events** if the initial landside stage is low, but this must be refined by the **HDR/GEI interior drainage analysis**.
- The **maximum allowable landside water level** has not yet been established and will require input from **geotechnical / risk-informed evaluation**.
- Ongoing drainage studies may affect **gate operating rules** and the need for **pumps or auxiliary drainage features or other emergency protocols**.



## RECOMMENDATIONS

- **Gate Selection and Design**  
If we proceed with **50-ft miter gate design**, ensure it can **resist hydrostatic and dynamic hydraulic loads** and some **reverse head**, during gate operation and emergency conditions.
- **CFD Analysis of Gate Loading**  
Conduct **CFD simulations** to quantify **hydrodynamic forces** during **moving gate closure**.  
Focus: **pressure, mechanical loading**, and **operability risk** to refine final design.
- **Scour Protection and Sedimentation Flushing/Monitoring**  
Install **riprap aprons** around the gate where **jet-like velocities** and **recirculation zones** were identified.
- **Coordinate with Interior Drainage Analysis and Planning**  
Ensure alignment with **interior stormwater pump station operations** to manage backwater and storage behind the gate during extended closures.

 **CONTINUED (O&M)**

- **Operational Protocol Development**  
Develop gate operation protocols prioritizing **slack tide closure**, and plan for **emergency conditions** such as **levee breach response**, and **potential missing of time window of gate opening**, during pumping from interior drainage with coincident rainfall.
- **Sedimentation Monitoring**  
Consider follow-up monitoring for **sediment buildup** and **stagnation risks** for long-term operation and maintenance.
- **Adaptive O&M Strategy**  
Post-construction, collect and analyze **stage, velocity, and sediment data** to validate design assumptions and support **adaptive O&M strategies**.

# Internal Drainage Evaluation





# INTERNAL WATERSHEDS & PUMP STATION LOCATIONS



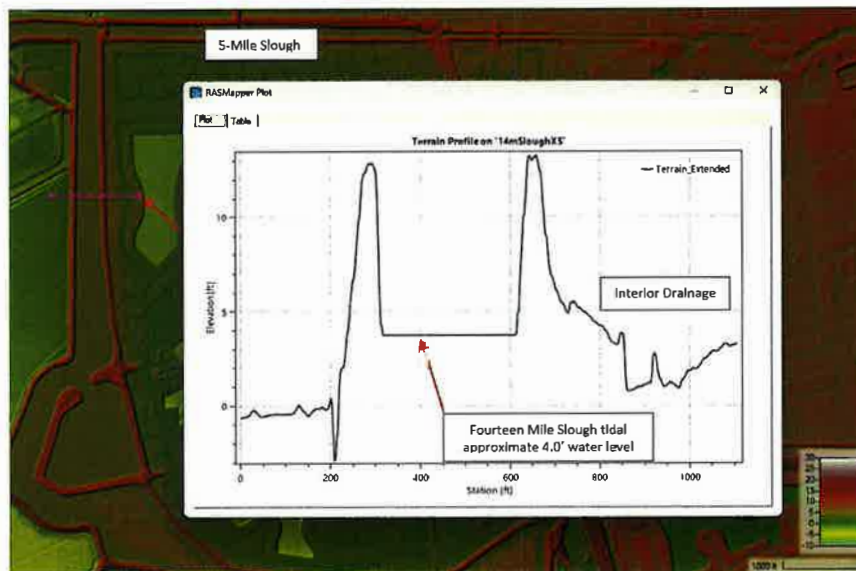
- Shed area 8.3 square miles
- 13 pump stations
- 1 gravity pipe

 **TERRAIN**

- Datum - NAVD 88
- Lowest Top of Levee – 12.3 feet
- Lowest Ground – 0.5'



## FOURTEEN-MILE SLOUGH CROSS SECTION



- Venice Island Gage (VNI) Varies 3.8 ft to 7.8
- NAVD 88





## HYDROLOGIC MODEL EVALUATION

- Proposed pumps was not included in the evaluation with the proposed gate closure
- Internal drainage evaluation included the following rainfall events:
  - (1997, 1998, 2026; 500-, 200- 100-, 50-, 25-, 10-, 2-year 24 hr.)
- Downstream boundary assumed gate closure at El. 3.7', 5.0', 7.0, 8.0' (NAVD 88) tide forecasted above El. 8.0 ft.

• Tide MHHW – MLLW

• Sea-Level Rise – 1.66'

Tidal datum	Tidal El.* (ft, NAVD88)
Mean Higher High Water (MHHW)	5.35
Mean High Water (MHW)	4.90



# FOURTEEN-MILE SLOUGH RESULTS IF GATE REMAINS CLOSED

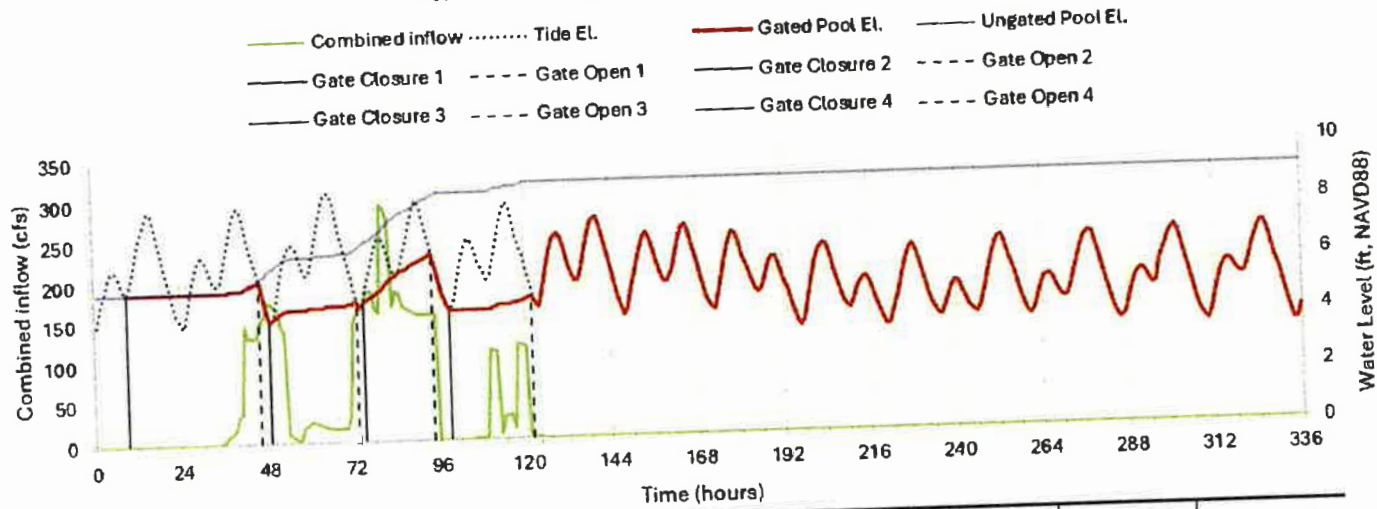
Event	Close Gate at TW Level (ft, NAVD88)	Model Result Stage at Fourteen Mile Slough (ft, NAVD88)	Freeboard* (ft)
Dec 1996 event	3.75	8.5	3.5
	5	9.3	2.7
	7	11.0	1.0
	8	11.9	0.1
Feb 1998 event	3.75	10.8	1.2
	5	11.6	0.4
	7	Overtopping	0.0
	8	Overtopping	0.0
Feb 2026 event	3.75	7.5	4.5
	5	8.4	3.6
	7	10.1	1.9
	8	11.0	1.0
500-yr 24hr	3.75	8.5	3.5
	5	9.3	2.7
	7	11.0	1.0
	8	11.9	0.1
200-yr 24hr	3.75	8.0	4.0
	5	8.9	3.1
	7	10.6	1.4



# GATE OPERATIONS DURING 2026 STORM EVENT

Hypothetical Gate Operation during Feb 2026 Storm

Flow (cfs)



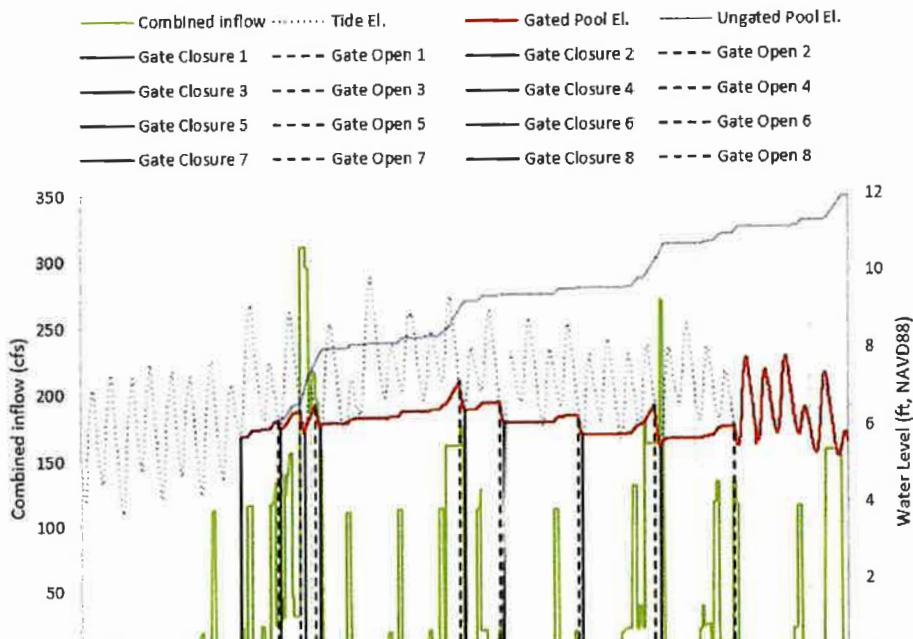
Water level (ft)

Time PDT	Time* (hrs.)	Inflow cfs	Inflow Vol. acre-ft	Tide El. ft, NAVD	Storage plus Inflow Vol acre-ft	Gated Pool El. ft, NAVD	Gate Operation (-)	Ungated Pool El. ft, NAVD
2/10/2026 20:00	0	0	0.0	5.42	239.0	5.42	Closure 1	5.4
2/12/2026 9:00	37	152	60.4	5.68	299.4	5.79	Open 1	5.8



# GATE OPERATIONS DURING 1998 STORM EVENT

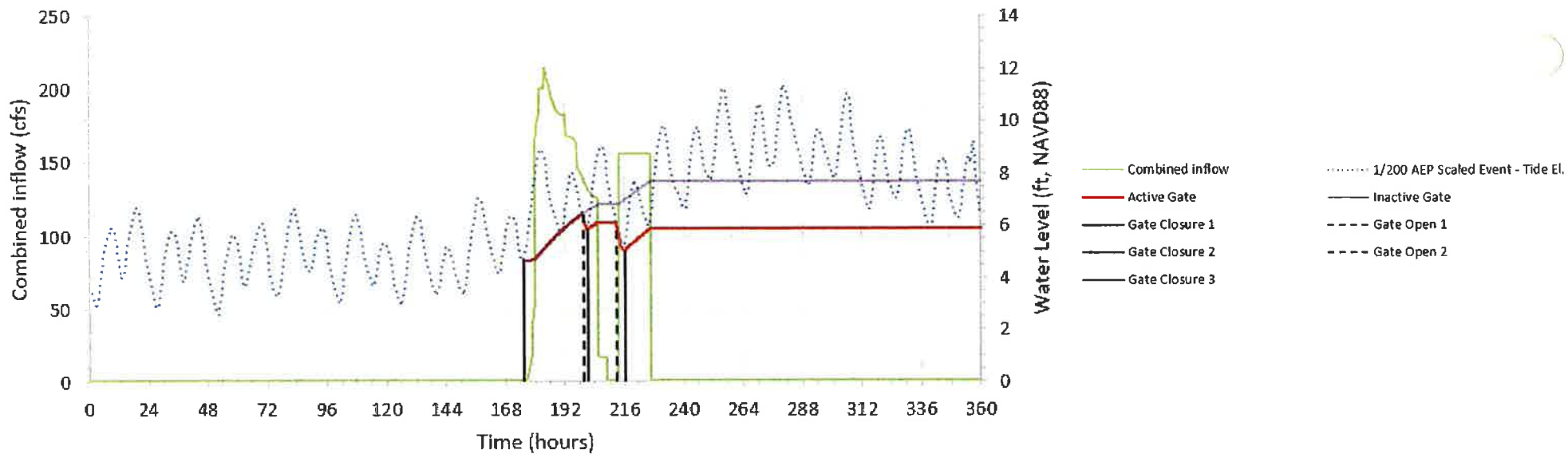
Hypothetical Gate Operation during Feb 1998 Storm



Time PDT	Time* (hrs.)	Inflow cfs	Inflow Vol. acre-ft	Tide El. ft, NAVD	Storage plus Inflow Vol acre-ft	Gated Pool El. ft, NAVD	Gate Operation (-)	Ungated Pool El. ft, NAVD
2/3/1998 4:30	0	20.8	38.8	5.72	287.9	5.72	Closure 1	5.7
2/4/1998 4:00	23.5	42.2	117.2	6.19	366.3	6.17	Open 1	6.1
2/4/1998 5:30	25	44	122.6	5.97	331.7	5.97	Closure 2	6.2
2/4/1998 17:45	37.2	310.8	206.5	6.43	415.6	6.43	Open 2	6.6
2/4/1998 20:15	39.7	310.9	270.7	5.83	306.9	5.83	Closure 3	6.9
2/5/1998 3:00	46.5	213.1	402.0	6.52	438.3	6.55	Open 3	7.6
2/5/1998 6:15	49.7	174.3	452.6	5.98	333.5	5.98	Closure 4	7.9
2/8/1998 21:00	136.5	159.5	665.9	7.13	546.8	7.13	Open 4	9.0
2/9/1998 0:15	139.7	3.5	703.3	6.42	413.0	6.42	Closure 5	9.2
2/9/1998 22:15	161.7	18.4	738.3	6.59	448.0	6.61	Open 5	9.3
2/10/1998 0:45	164.2	2.7	739.7	6.07	349.3	6.07	Closure 6	9.3
2/11/1998 23:30	211	2.4	772.1	6.22	381.7	6.25	Open 6	9.5
2/12/1998 1:45	213.2	2.2	772.5	5.73	289.5	5.73	Closure 7	9.5
2/13/1998 22:45	258.2	160.7	912.0	6.49	429.0	6.51	Open 7	10.2
2/14/1998 2:45	262.2	268.3	968.4	5.40	235.8	5.40	Closure 8	10.5



# TIDE 1/200 (AEP) GATE OPERATIONS DURING 100 YEAR 24 HR PRECIPITATION EVENT



Time PDT	Time <sup>(a)</sup> (hrs.)	Inflow cfs	Inflow Vol. acre-ft	Tide El. ft, NAVD	Storage plus Inflow Vol	Active Gate <sup>(b)</sup> ft,	Gate Operation	Inactive Gate <sup>(c)</sup> ft, NAVD
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## CONCLUSION

- Gate closure forecasted at Elevation 8.0 ft (NAVD 88) is still under review
- Proposed Pump was not included in evaluation
- Gate Closed Evaluation: 1997, 1998, 2026 Real time events and 500-, 200-, 100-year 24-hour design events could raise water levels 3-4 feet resulting in less than 3-feet of freeboard or overtopping
- Operational Gate Evaluation: Longer duration storms may require to open and close the gate to maintain three feet on freeboard storm events
- Sea-level rise impacts will reduce freeboard and will likely require additional gate operation during storms

# ENVIRONMENTAL CONSIDERATIONS



## **ENVIRONMENTAL RESOURCES**

- Endangered Species
  - Giant Garter Snake (GGS)
  - Delta Smelt
- Migratory Birds
- Waters of the US (WOTUS)
- Mitigation Needs
- NEPA/CEQA



## PERMITTING REQUIREMENTS

- Clean Water Act
  - 401 (Water Quality Cert.)
- Endangered Species Act
  - Section 7
  - 2019 Biological Opinion



## **WORK WINDOWS, LIMITATIONS & MONITORING**

- Complete Avoidance Window of August 1 to November 30 (Delta Smelt)
- Active GGS Period May 1 to October 1
- Nesting Bird Season February 15 to September 30
- Blow Count Restrictions (2,000 Per Day based on Project Description)
- Biological Monitoring (GGS, Possibly Birds, Hydroacoustic, Fish Rescue)

**LUNCH BREAK  
(RESUME AT 1200)**

# Gate Alternatives & Selection Criteria



## **GATE ALTERNATIVES AND SELECTION CRITERIA**

- Miter Gate (base)
- Sector Gate
- Radial/Tainter Gate
- Vertical Lift Gate
- Bottom Hinged Crest Gate
- Operability
- Maintenance
- Navigation
- Constructability
- Structural Design

**Geotechnical**



## Field Investigation

- Geology
  - Deltaic and Alluvial boundary
- Geotechnical Explorations (completed)
  - 22 explorations (16 borings – 6 CPTs)
  - Geophysics
  - Field Vane Shear Tests





## GEOTECHNICAL

### Assessment Report

- Relatively shallow compressible, low shear strength
  - Horizontal mix of silts, peats, clays, & sands
  - Potential Liquefiable layers
    - Smith Canal vs 14-Mile
  - PGAs of 0.25g and 0.34g, 975 and 2,500 year-return-period, respectively
- Foundation Target Depth Els -20 to -30 ft
- Preliminary for Foundation support and Seepage



## **GEOTECHNICAL**

### **Next Steps**

- Seismic Hazard Workshop
- Liquefaction triggering analyses
- Alternatives development and analyses

Structural



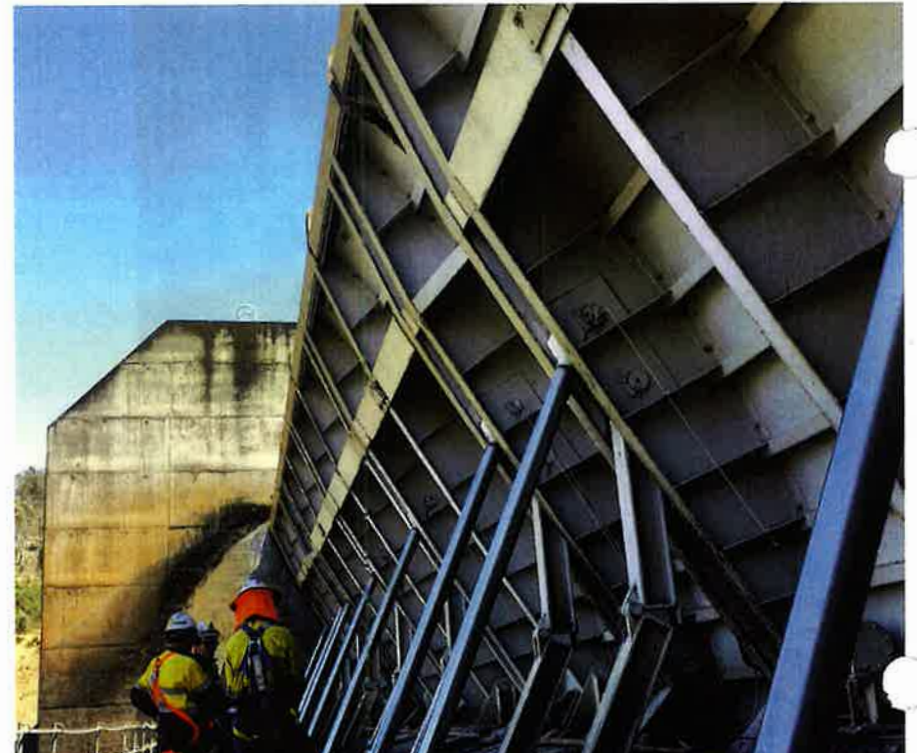
## GATE TYPES CONSIDERED

- Miter Gate (Smith Canal)
- Sector Gate
- Radial/Tainter Gate
- Vertical Lift Gate
- Bottom Hinged Crest Gate



## INITIAL SCREENING FACTORS

- Operability
- Maintenance
- Navigation
- Constructability
- Structural Design





## GATE TYPES CONSIDERED

### Miter Gate (Smith Canal)

- Base Alternative
- Small footprint (flat gate bay walls)
- Efficient steel gate construction
- Operation under flow – gate slamming
- Operation under reverse head – inhibit closure
- Debris/sedimentation – inhibit full closure
- Less resilient to wave/impact forces
- Limited horizontal opening/gate open





## GATE TYPES CONSIDERED

### Sector Gate

- Widely used throughout USACE
- Robust, adaptable structure
- Operates well under flow/diff head
- Impact and wave loading
- Less susceptible to sediment impedance
- Larger footprint and foundations required
- Larger cofferdam/dewatering required
- May require more dredging/alterred placement in the channel





## GATE TYPES CONSIDERED

### Radial/Tainter Gate

- Typical use dams/flow control – not nav. gates
- Vertical clearance limitations
  - Taller structure required/increased footprint/foundations
- Efficient steel gate construction
- Less resilient to Impact and wave loading
- Debris/sediment - inhibit full closure
- Reverse head operation – sealing, C/T members
- Gate is out of the water in open position





## GATE TYPES CONSIDERED

### Vertical Lift Gate

- Vertical clearance limitations
  - Taller structure required/increased footprint/foundations
  - Potential aesthetic issues with taller structure
- Operates well - higher flows/velocities/rev. head
- Debris/sediment – could inhibit full closure at base and within seal recess
- Gate is out of the water in open position
- Potential for vibration when operating under flow
- Phased construction possible to keep channel open

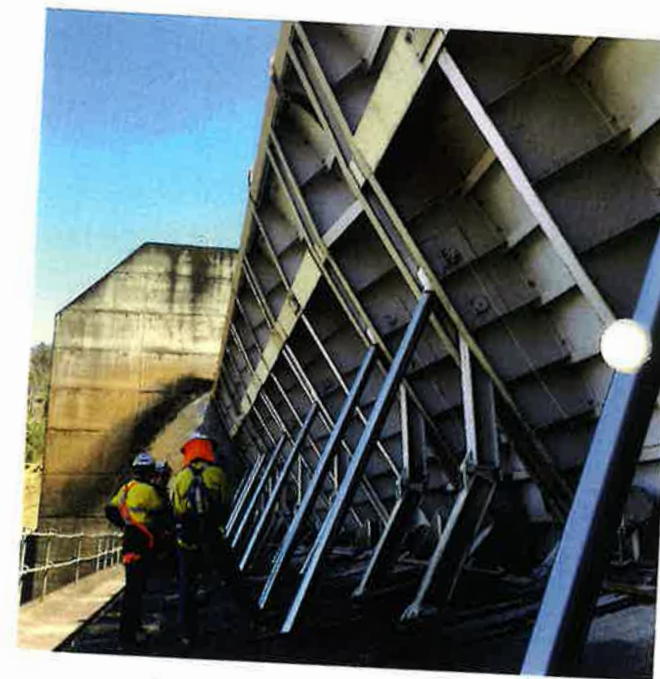




## GATE TYPES CONSIDERED

### Bottom Hinged Crest Gate

- Relatively small footprint
- Adaptable to larger openings
- Vertical clearance – unlimited above water
  - Lower recesses to accommodate open gate position
  - Potential for submerged machinery/rams etc.
- Operates well – higher flows/velocities/rev. head
- Debris/sediment – could inhibit closure
- Gate is submerged open position – difficult to inspect/maintain
- Phased construction possible to keep...

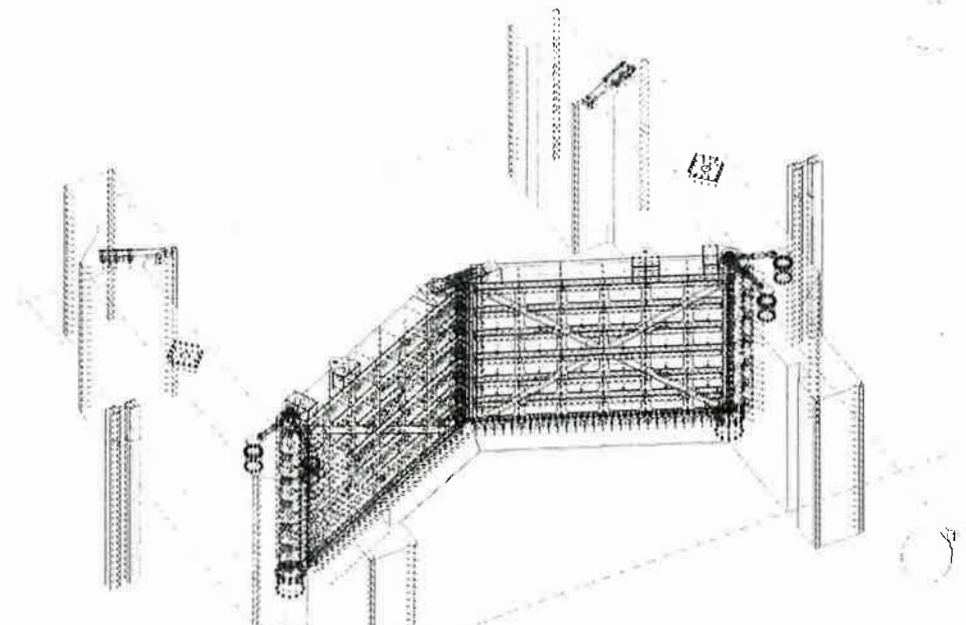




## DESIGN CONSIDERATIONS

### Operation

- Normal Operation
  - Delta stage 8.0 FT NAVD88 – Gate Closed
  - Slough stage 8.0 FT NAVD88 with Delta falling – Gate Opened
- Emergency Operation
  - Gate closed indefinitely for levee failure





## DESIGN CONSIDERATIONS

### Maintenance

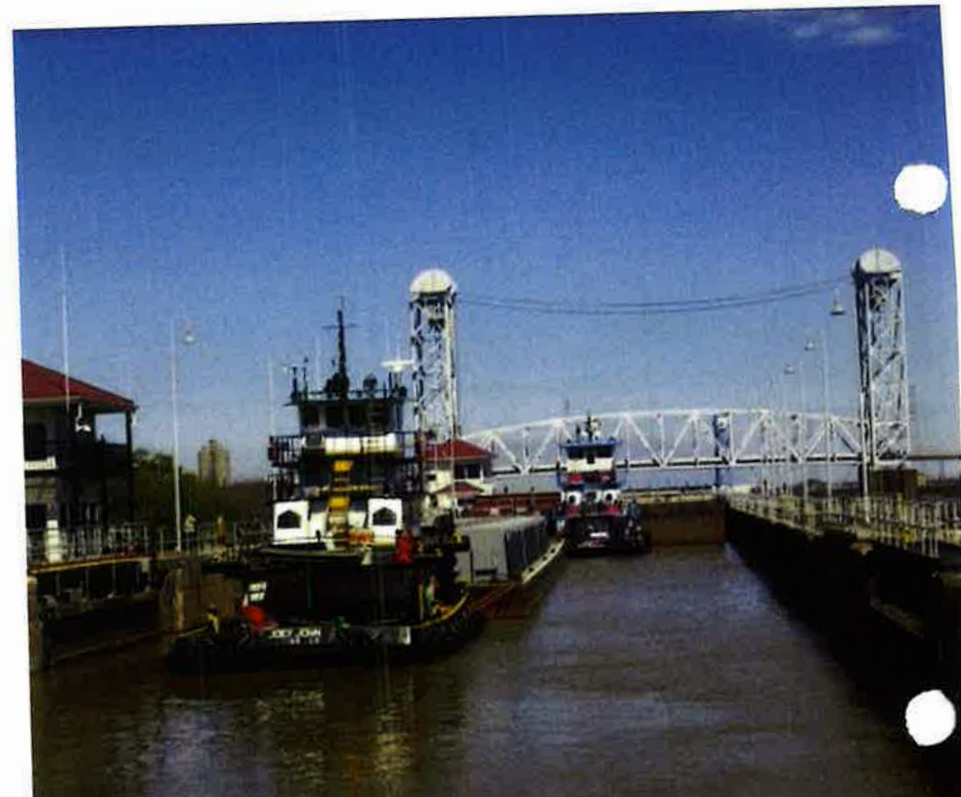
- Exercising the gate regularly
- Routine
  - Gears, motors, machinery avail from topside
- Major – below water line
  - Dewatering bulkheads/stop logs
  - Needle Girders/Beams



## DESIGN CONSIDERATIONS

### Navigation

- Horizontal and Vertical Clearance
- Draft depth
- Vessel types in the area



## DESIGN CONSIDERATIONS

### Constructability

- Methods of construction
- Phasing challenges
- Lead times and fabrication
- Equipment required

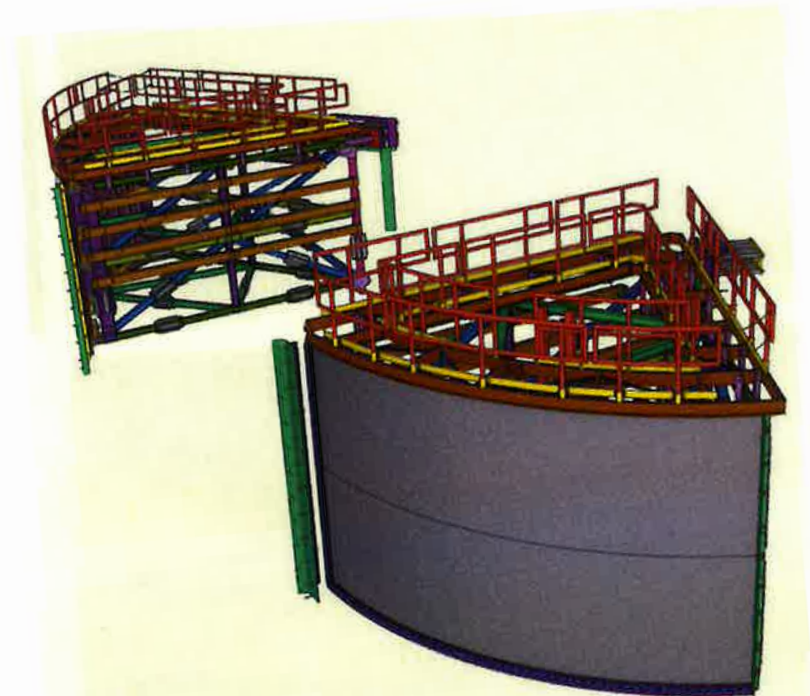




## DESIGN CONSIDERATIONS

### Structural Design

- Loading conditions
- Foundations
- Gate Sill and Gate Bay Walls
- Steel Gates

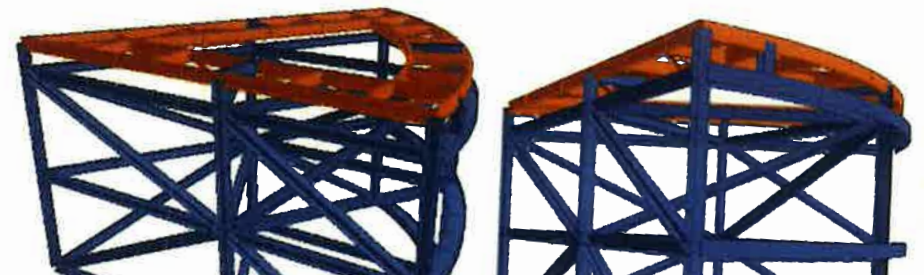
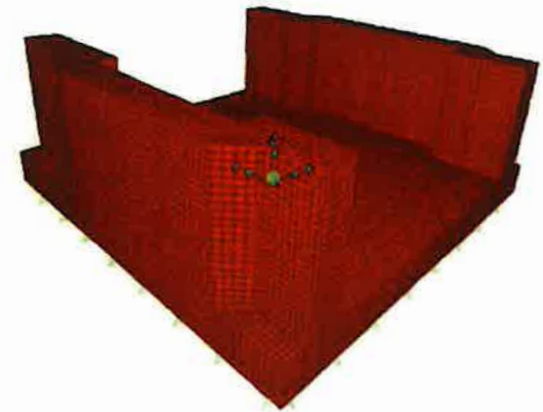




## DESIGN CONSIDERATIONS

### Loading Conditions

- Hydrostatic
- Reverse Head
- Debris
- Wind
- Wave/Hydrodynamic
- Soil
- Seismic
- Dewatered
- Mechanical Loads



## DESIGN CONSIDERATIONS

### Foundations

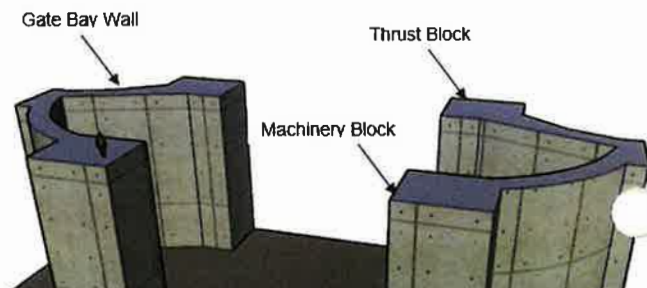
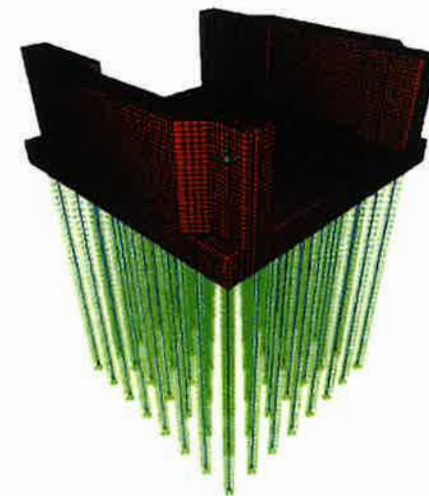
- Steel pipe piles
  - -30 ft approximate tip elevation
  - Partially concrete filled
- Tremie Slab
- Concrete base slab ~ 6 ft – 7 ft thick
- Sector gate alternative
  - ~ 60% - 75% more piles to accommodate the gate bay walls



## DESIGN CONSIDERATIONS

### Gate Sill & Gate Bay Walls

- Miter gate
  - Concrete Tremie Seal & Well Points
  - Concrete sill beam required
  - Gate Sill ~ 6 ft thick
  - Gate Bay Walls – 5 - 6 ft uniform thickness
- Sector gate
  - Concrete Tremie Seal & Well Points
  - Gate Sill ~ 6-7ft thick
  - Steel Curved Embed – Seal Ride

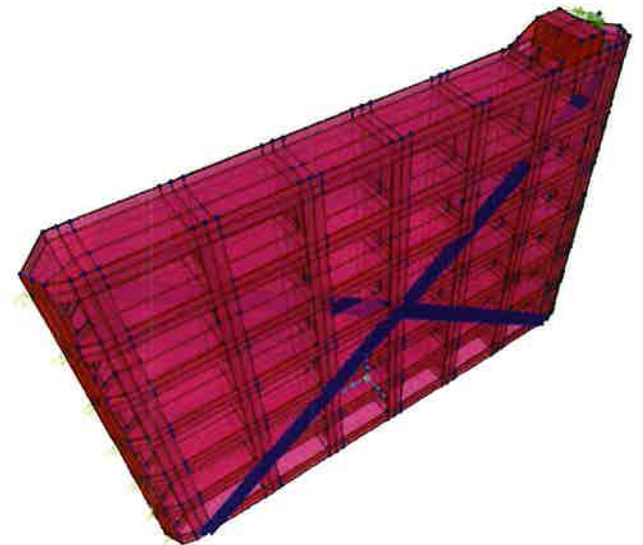




## DESIGN CONSIDERATIONS

### Steel Gate

- Miter Gate
  - Welded Steel Plate Girders
  - Intercostals
  - Skin Plate
  - Gudgeon Post/Quoin Diaphragms
  - Quoin/Pintle
- Sector Gate
  - Steel Trusses/Frames (rolled sections)
  - Curved Steel Girders



**Mechanical**



## MACHINERY FOR GATE TYPES CONSIDERED

Miter Gate (Smith Canal)

Sector Gate

- Hydraulic
- Elec. Linear Actuators
- Rack and Pinion
- Wire Ropes



## HYDRAULIC MACHINERY

### System Description

- Hydraulic Power Unit (HPU) on utility service
  - Gate equipment
  - Latch equipment
- Fixed displacement pumps
- Valving to control speed
- Stainless pipe and flexible connections
- Duct under waterway
- Back-up power needed to run HPU



## HYDRAULIC MACHINERY

### Pros

- Lower construction cost
- Components are easy to source
- Speed control w/o electrical equipment

### Cons

- Custom operating cylinders
- Shorter lifespan

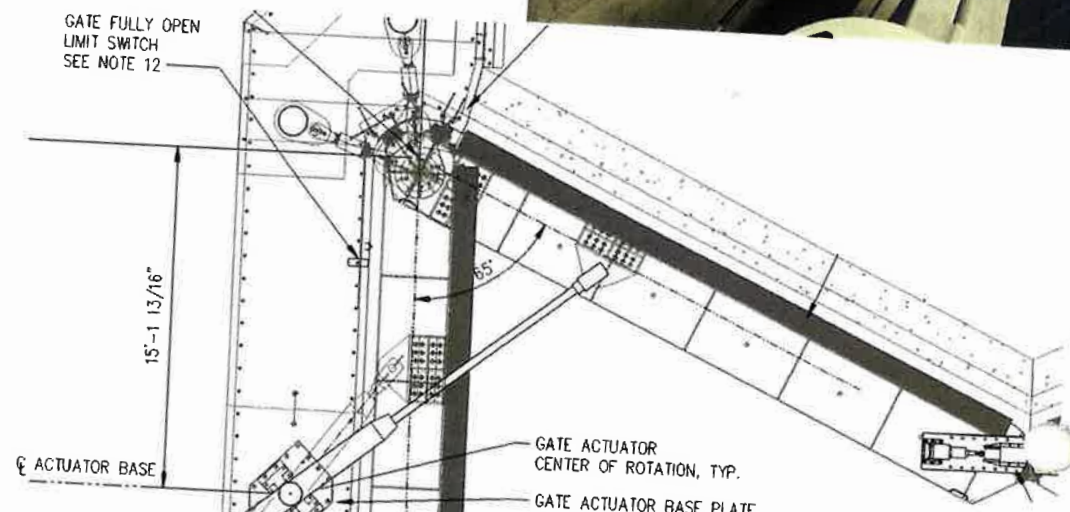




# ELECTROMECHANICAL LINEAR ACTUATORS

## System Description

- Like direct drive hydraulic cylinder
  - Gate equipment
  - Latch equipment
- Electrical controls for speed
- Power and control conductors to unit
- Electrical duct under waterway
- Backup by mechanical input at unit
  - Back-up drill



# ELECTROMECHANICAL LINEAR ACTUATORS

## Pros

- All-in-one package
- Back-up operation onboard
- Less Environmental concerns of hydraulic fluid
- Lessons learned from Smith Canal

## Cons

- Machinery above highest water levels
- Large Custom actuator





# RACK AND PINION

## System Description

- Multiple geometries
  - Direct drive
  - Panama Canal/Ohio River
- Electric Motor driving machinery
- Electrical controls for speed
- Power and control conductors to motor
- Electrical duct under waterway
- Backup by mechanical input at unit
  - Back-up drill
  - Hand wheel





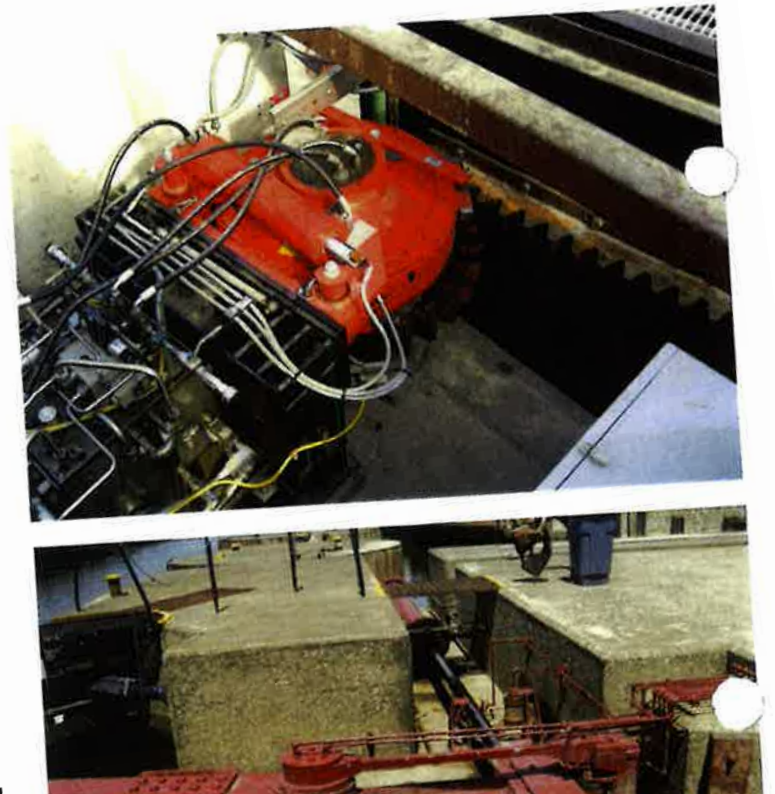
## RACK AND PINION

### Pros

- Robust and proven design
- Back-up operation onboard (for some)
- Less Environmental concerns of hydraulic fluid
- Can accommodate larger channel widths

### Cons

- Machinery above highest water levels
- Almost all machinery custom





## DRUMS AND WIRE ROPES

### System Description (Sector Only)

- Electrical motor driving drum for opposing operating ropes
- Electrical controls for speed
- Power and control conductors to motor
- Electrical duct under waterway
- Backup by mechanical input at unit
  - Back-up drill
  - Hand wheel



## DRUMS AND WIRE ROPES

### Pros

- Robust and proven design
- Ropes are readily available products
- Less alignment work than rack and pinion
- Back-up operation onboard
- Less Environmental concerns of hydraulic fluid
- Can accommodate larger channel widths

### Cons



# Electrical



US Army Corps  
of Engineers



U.S. ARMY

## ELECTRICAL SYSTEM FUNDAMENTALS

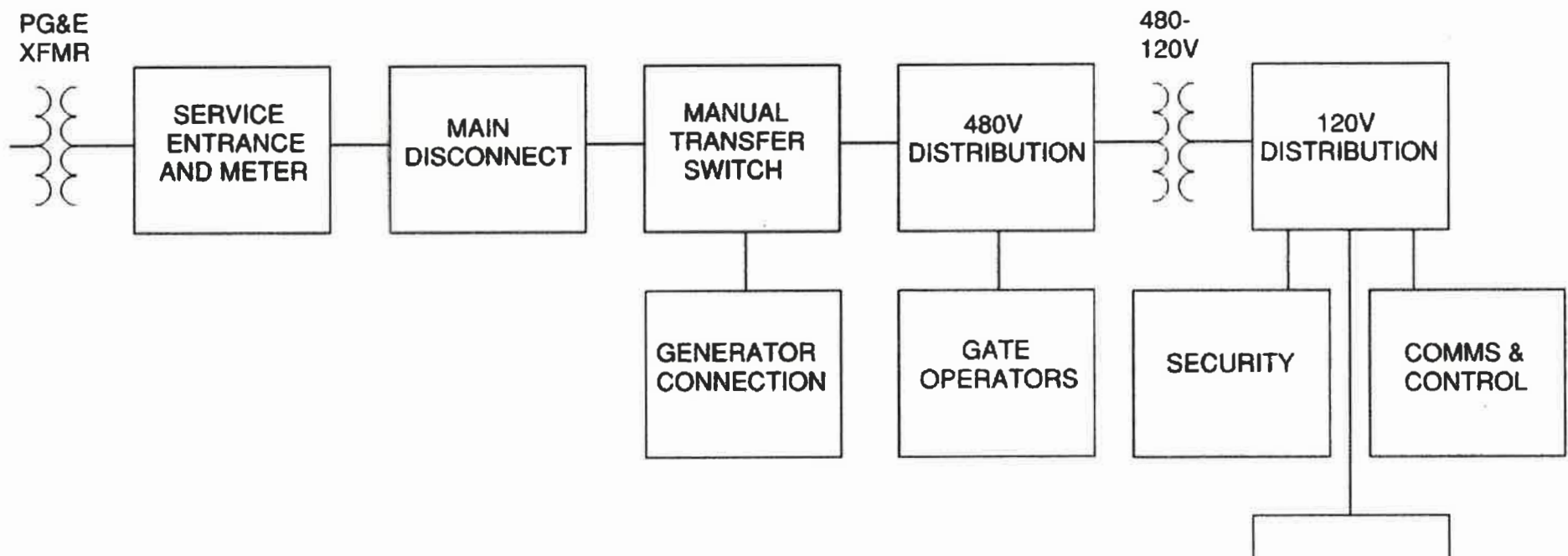
### System Description

- Existing PG&E distribution line within 1200ft of project
- Application for service with PG&E
- PG&E-owned transformer - 480V secondary to project
- 480V distributed to major apparatus operating systems
  - Gate operating systems with a motor per gate will require submarine cables.
- 120V distribution for lighting, receptacles, control, security, etc.
- Manually-operated transfer switch for backup generator
- Power system capacity not contingent on type of gate or operator

 **PG&E ELECTRICAL SERVICE**

RED – Existing PG&E Distribution Line

BLUE – Likely Path from Distribution  
Line to Site

 **ELECTRICAL BLOCK DIAGRAM**

## ELECTRICAL ENCLOSURE

### OUTDOOR NEMA 3R

All electrical equipment is housed in enclosures which provide protection against rain, sleet, and snow. Enclosures are mounted on a concrete slab.



### ELECTRICAL BUILDING

Equipment is located in a building which is dedicated to that equipment. Structure can be constructed of

## OUTDOOR NEMA 3R

### PROS

- Lower cost
- Simple installation
- Easy access
- Small footprint

### CONS

- No protection to personnel troubleshooting/servicing/repairing equipment during inclement weather
- Exposed to potential vandalism



## ELECTRICAL BUILDING

### PROS

- Higher security for electrical lineup
- Sheltered conditions for personnel

### CONS

- Higher cost
- Approximately three times the footprint of outdoor gear
- Requires atmosphere control
- More complex equipment installation



Civil



## PG&E ELECTRICAL SERVICE



RED – Existing PG&E Distribution Line

BLUE – Likely Path from Distribution Line to Site. Considering Underground at levee crossing to minimize conflicts during operations.



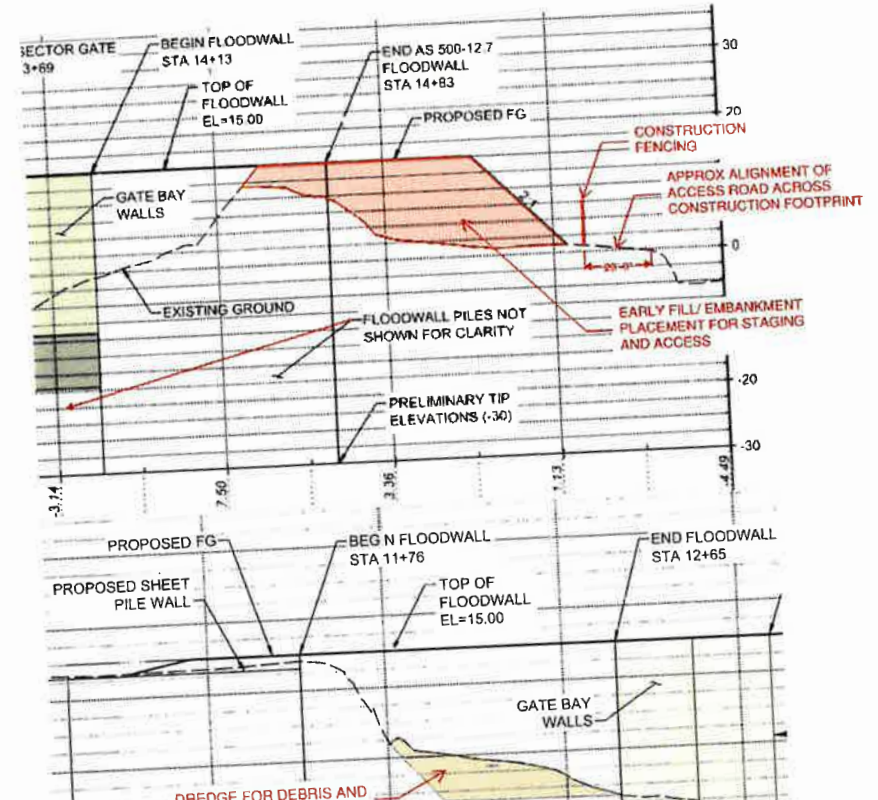
# SEQUENCING

## CONSTRUCT FILLS ON SHIMA AND WRIGHT ELMWOOD

- Provide for earthwork in a single operation – early placement
- Provides working room for construction
- Allow for continued Ag, Utility, and O&M access

## DREDGE/EXCAVATE

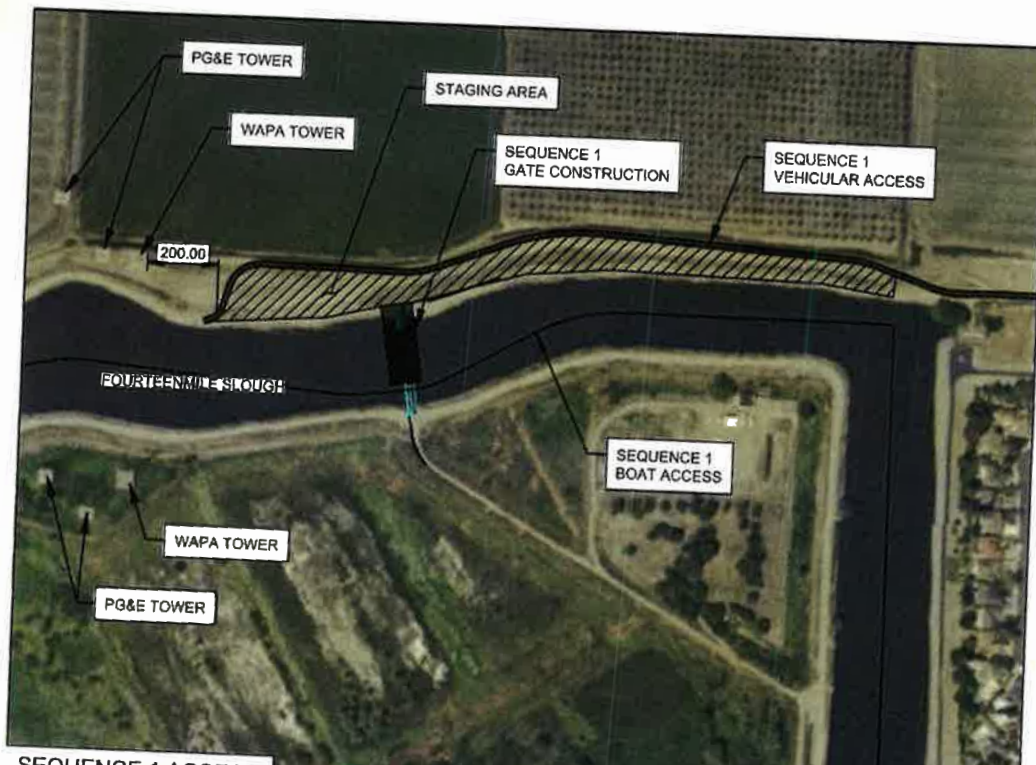
- Remove construction debris and slope





## VEHICULAR ACCESS – PHASE 1

93



- Local traffic diverts around Shima staging area (north limits)
- Boat access constrained to South side of channel
- Maximized Staging (cross hatch)
- 200-ft minimum from electrical transmission tower

## VEHICULAR ACCESS – PHASE 2



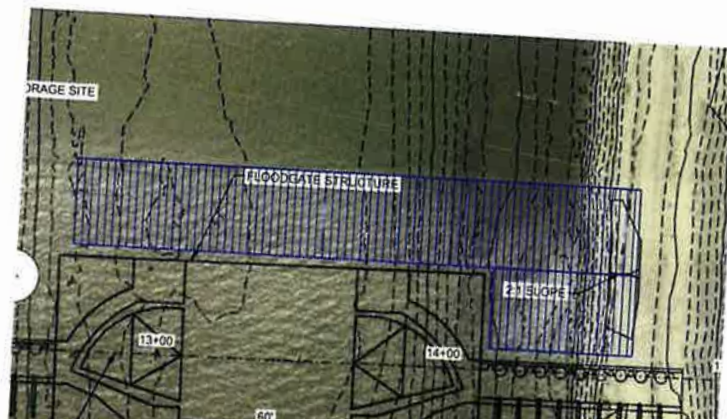
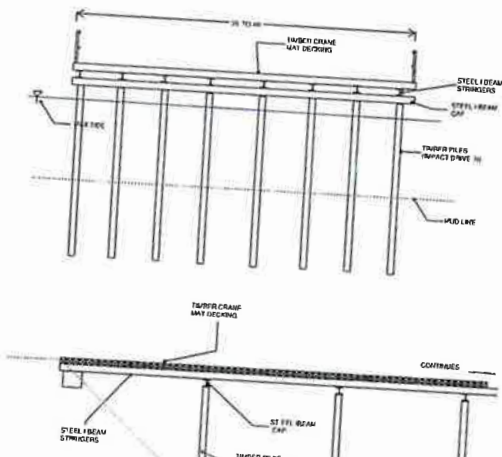
- Local traffic diverts around Wright Elmwood staging area
- Boat access through open gate structure
- Access route constructed on new fill



## SEQUENCING (PHASE 1 – STRUCTURE)

### CONSTRUCT SHIMA FLOODWALL, SHEETPILE WALL AND GATE STRUCTURE

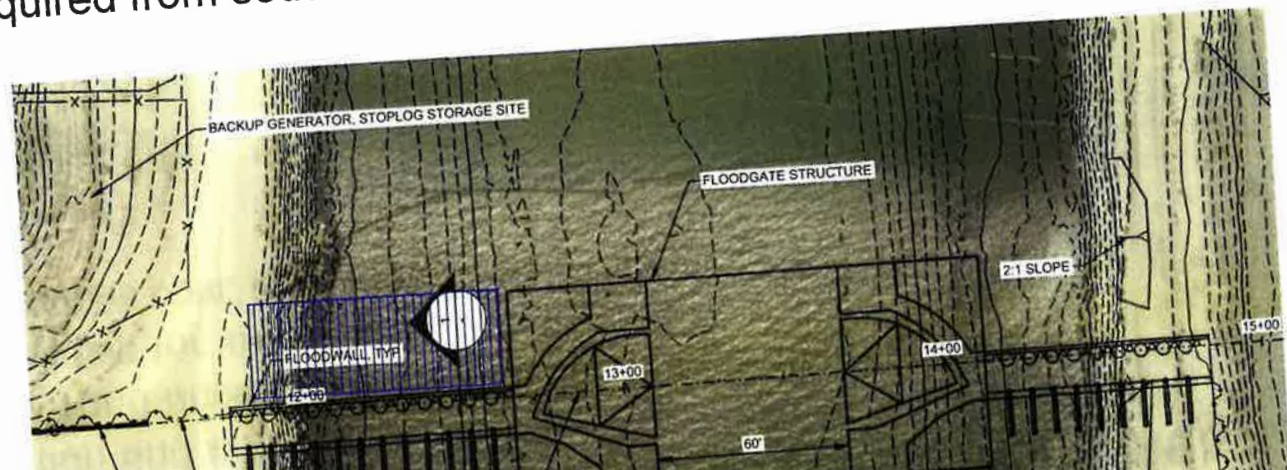
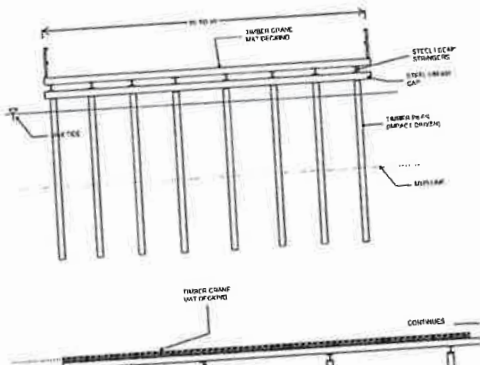
- Land based construction and a trestle
- Shima side has better road access and potentially a larger staging area
- Trestle construction allows for land-based construction
  - Improves access, reduces cost, less interaction with boat traffic



# SEQUENCING (PHASE 2-STRUCTURE)

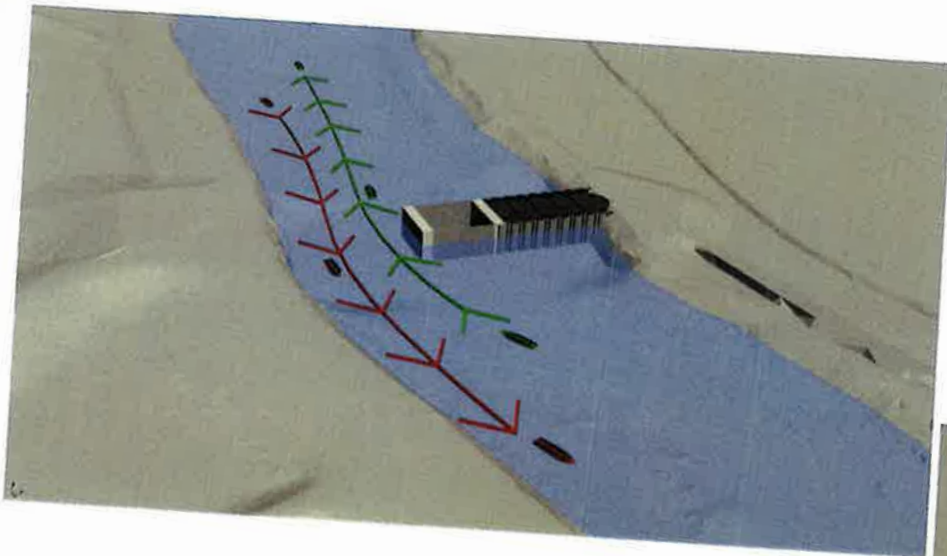
## CONSTRUCT WRIGHT ELMWOOD FLOODWALL AND SHEETPILE WALL

- More constrained access
- Less work/staging required from south access will reduce construction costs



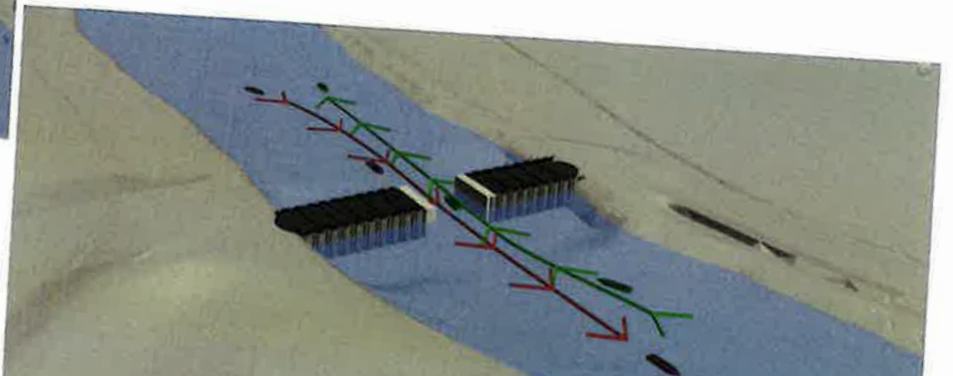


## SEQUENCING NAVIGATION



Subsequent Design Will include:

- Temporary Navigation
- Signage/Lighting/Controls per

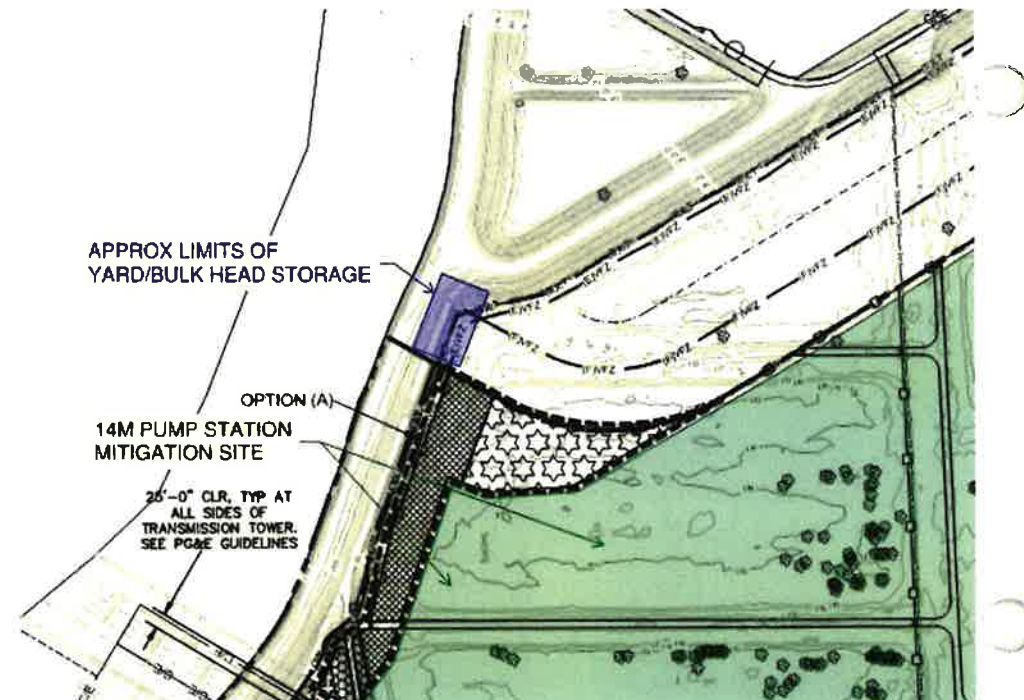


# Operations & Maintenance

# OPERATIONS AND MAINTENANCE YARD

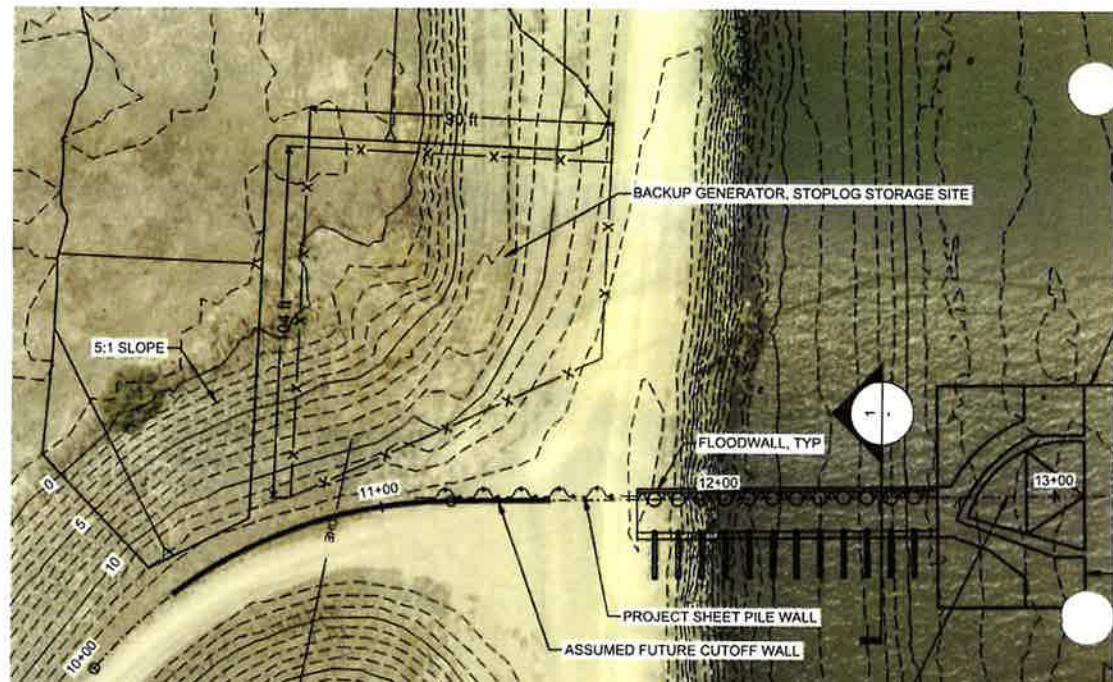
## WRIGHT ELMOOD PROPOSED FOR OPERATIONS AND MAINTENANCE YARD

- Assumed best power availability
- Publicly owned land
- Existing levee access/intersection provides room for operations
- The nearby wastewater pumping plant improves security
- Footprint does not conflict with habitat restoration project



## YARD AREA

- Through Access must be maintained
- Stoplog storage
- Backup generator
- Security Cameras/Lighting
- Fence and Gate(s)
- Power PG&E
- Gate controls



# Closing & Next Steps

# **EXHIBIT C**

### Lincoln Village West Violation/Remedy Tracking 2026

Address	Homeowner		Violation Notice Sent	Homeowner Response Date (required within 7 days) Phone	Homeowner Response Date (required within 7 days) Written	Home Owners Second Notice	Remedy Completion Date	Requiring Additional Work
<b>Southwest Quadrant Violations</b>								
3604 Fourteen Mile Drive	Foulks, Tom & Wendy	VEGETATION VIOLATION	3/4/2026				5/28/2026	
<p><i>2/13/2026 - AJL conducted annual property inspection and discovered dense landside vegetation that requires clearing to meet District vegetation standards. 5/28/26 - Reinspected by Joe Bryson and the property is now in compliance of District vegetation Standards.</i></p>								
3620 Fourteen Mile Drive	Nakamura, Darin & Man Wai	VEGETATION VIOLATION	3/4/2026				5/28/2026	
<p><i>2/13/2026 - AJL conducted annual property inspection and discovered dense landside vegetation that requires clearing to meet District vegetation standards. 5/28/26 - Reinspected by Joe Bryson and the property is now in compliance of District vegetation Standards.</i></p>								
3722 Fourteen Mile Drive	Legkov, Maria	AS-BUILT VIOLATION						
<p><i>2/13/2025 - AJL conducted annual property inspection and discovered several modifications and additions to the property currently under construction. After having been asked for a Plan of Modifications for the District to review, none was brought forth presently and was promised at a later date. Multiple requests and claims by property owner to provide a Plan for District Review never materialized, the modifications to the property were completed. The property owner was contacted last year around October and the Owner said he would not be back in town until January, following the holidays. An As-Built or a Plan for Modifications has yet to be forthcoming for the District to review.</i></p>								

### Lincoln Village West Violation/Remedy Tracking 2026

Address	Homeowner		Violation Notice Sent	Homeowner Response Date (required within 7 days) Phone	Homeowner Response Date (required within 7 days) Written	Home Owners Second Notice	Remedy Completion Date	Requiring Additional Work
3872 Fourteen Mile Drive	Hemington, Herbert & Judy	VEGETATION VIOLATION	3/4/2026					5/28/2026
<p><i>2/13/2026 - AJL conducted annual property inspection and discovered dense landside vegetation that requires clearing to meet District vegetation standards.</i>  <i>5/28/26 - Reinspected by Joe Bryson and issue has not been remedy. Second notice is going out to homeowner.</i></p>								
Northwest Quadrant Violations								
3831 Ft Donelson Drive	Taylan, Emmanuel & Rosita	VEGETATION VIOLATION	3/4/2026				5/28/2026	
<p><i>2/16/2026 - AJL conducted annual property inspection and discovered dense landside vegetation that requires clearing to meet District vegetation standards.</i>  <i>5/28/26 - Reinspected by Joe Bryson and the property is now in compliance of District vegetation Standards.</i></p>								
4173 Ft Donelson Drive	Jackson, Stephen & Kathy	VEGETATION VIOLATION	3/4/2026					5/28/2026
<p><i>2/16/2026 - AJL conducted annual property inspection and discovered dense landside vegetation that requires clearing to meet District vegetation standards.</i>  <i>5/28/26 - Reinspected by Joe Bryson and issue has not been remedy. Second notice is going out to homeowner.</i></p>								

# **EXHIBIT D**

# CVFPB May Meeting

## Briefing on Subventions June Meeting Requests

1. Approval of FY2024-25 Reimbursements, Table A
2. Approval of FY2026-27 Funding Plan, Table 2 (\$16.0 million)
3. Authorize DWR to prepare FY2026-27 Work Agreements for signature.



# Program Funding FY 2024-25

(Table A)

CVFPB Approved Funding: \$16 million

Final Claims: 71 received

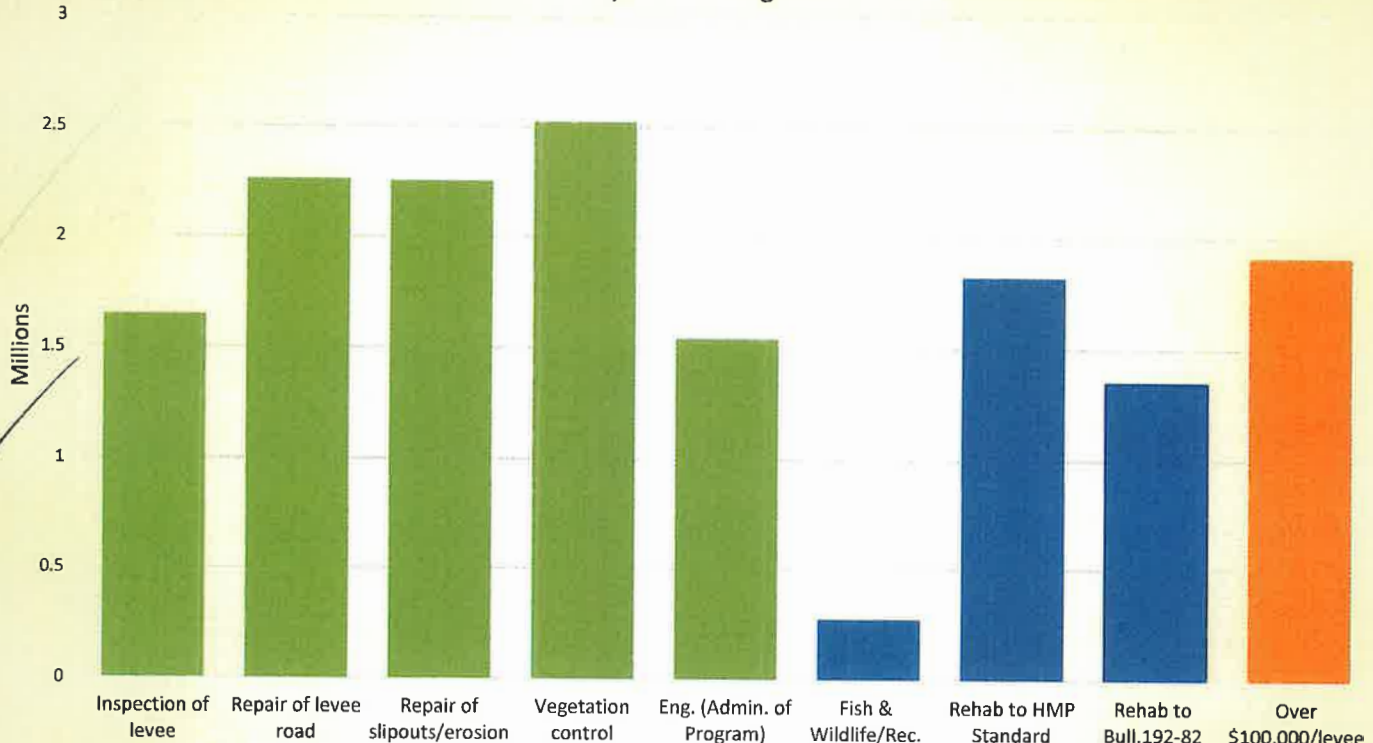
Estimated Eligible Expenses: \$17 million

Estimated State Cost Share: **\$12 million**

Estimated Local Cost Share: \$5 million



Priority 1, Priority 2.1 & Priority 2.2  
(FY 24-25)  
Top Work Categories



# Subventions Program

## *Funding Priorities*

**PRIORITY 1 - MAINTENANCE**  
*up to \$20,000 per levee mile*



### **PRIORITY 2 - REHABILITATION**

**PRIORITY 2.1 - Rehabilitation up to \$100,000 per levee mile**

**Category 1:** CVFPB's highest priority

**Category 2:** Fish and wildlife habitat protective measures and easements

**Category 3:** HMP expenditures

**Category 4:** Bulletin 192-82 expenses

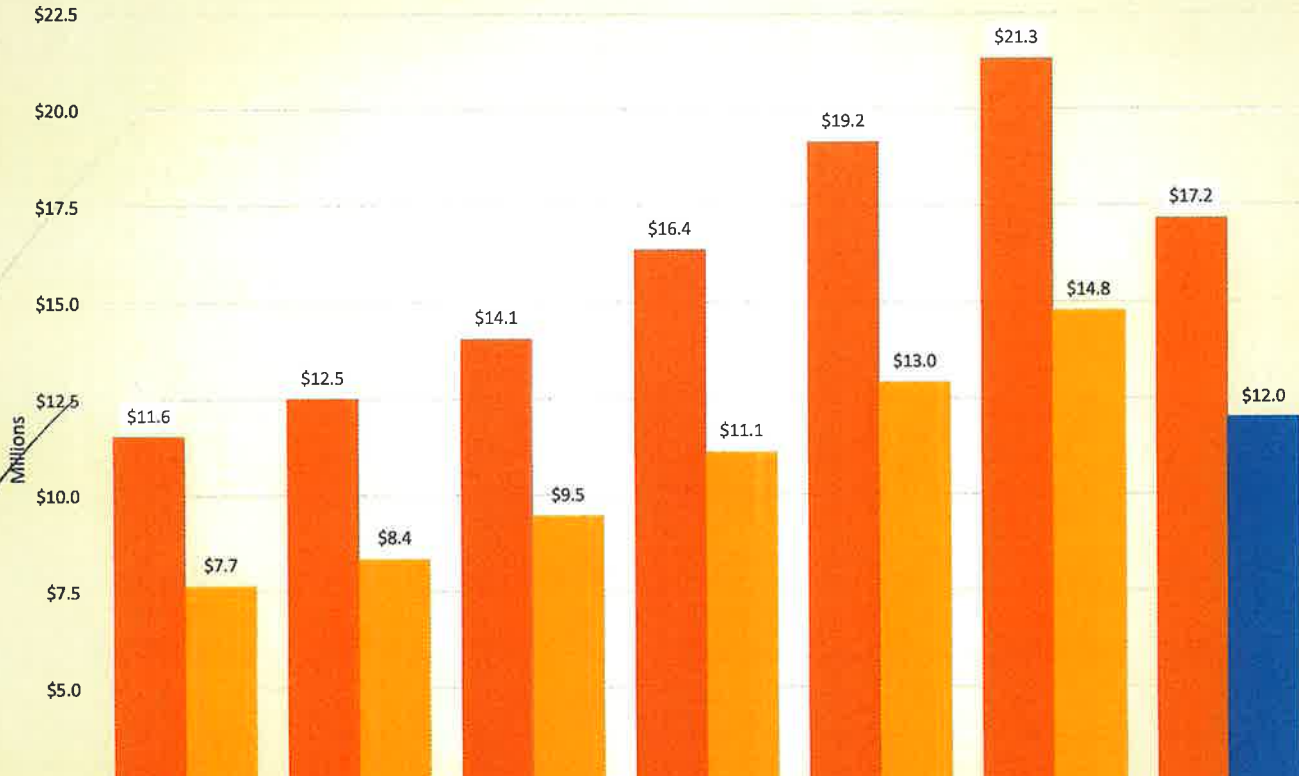


**PRIORITY 2.2 - Rehabilitation over \$100,000 per levee mile**

## Recent Program Funding

Fiscal Year	CVFPB Authorization	State Reimbursement
2020-21	\$12,000,000	\$9,500,000
2021-22	\$12,000,000	\$11,100,000
2022-23	\$13,500,000	\$13,000,000
2023-24	\$15,500,000	\$14,800,000
2024-25	<b>\$16,000,000</b>	\$12,00,000 (estimate)
2025-26	<b>\$16,000,000</b>	Final Claims Due Nov 1, 2026

### Delta Levees Maintenance Subventions



# Program Funding FY 2026-2027

*Proposed Funding for Board Approval*

Fiscal Year	Proposed funding	Applications received	Application Funding Request	Funding Source
2026-2027	\$16 million	75	\$58.9 million	Prop 4

Final claims due November 1, 2027

# Prop 4 Funding

## Funding:

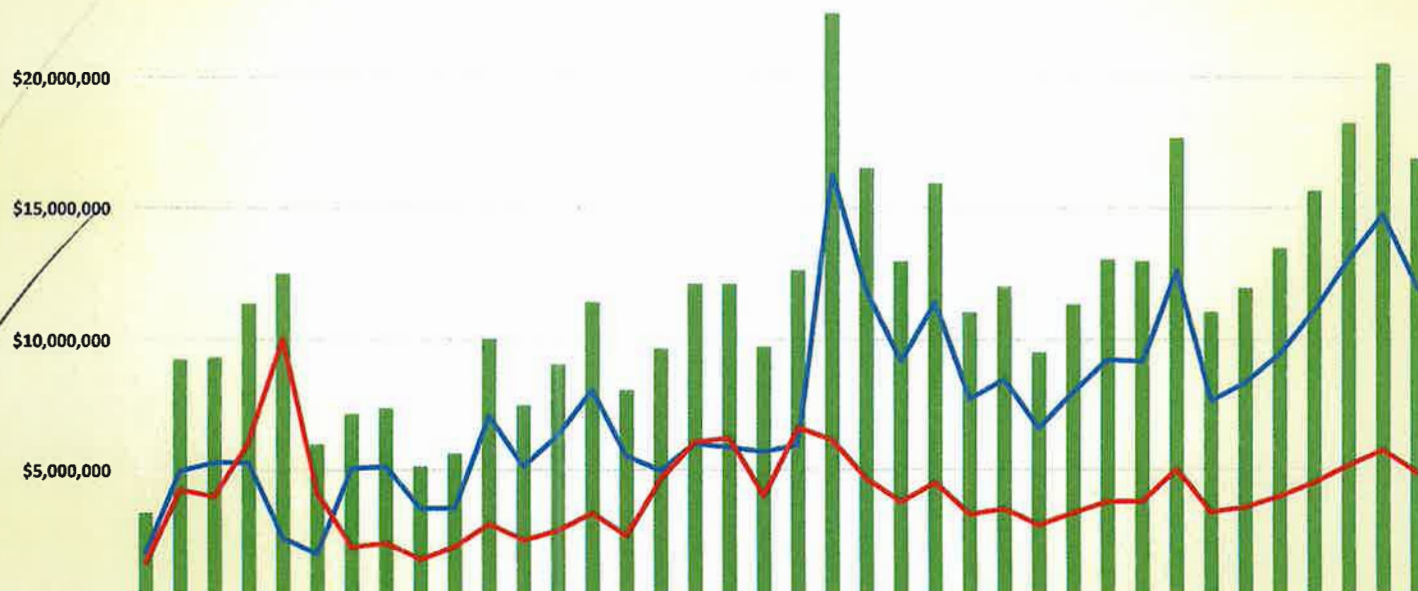
- FY25-26 Reimbursements will be from Prop 1 and Prop 4 if needed.
- Up to \$16M each year FY26-27, FY27-28, FY28-29, FY29-30, FY30-31  
(\$16M x 5yrs = \$80M)

## Use of Prop 4 funds:

- Subventions Guidelines Update

# Supporting the Delta

Delta Levees Subventions Program  
Total Yearly Expenditures



# ITEM 11

## **SHORT TERM GOALS 2026**

1. Revise District Website.
2. Approve Emergency Operations Plan Update.
3. Review and analysis of Levee Standards.

## **LONG TERM GOALS**

1. Raising Elevation of Southwest Levee.
2. Sediment Removal Project.

## **ONGOING CONCERNS**

1. Central Valley Flood Protection Plan.
2. Repair/Maintenance of Gates on Crown of Southwest Levee.
3. Annual Levee Inspection.
4. Monitor San Joaquin Feasibility Project.
5. Vegetation encroachments.
6. Work on slumping areas.
7. Participate in stakeholder groups.
8. All-Weather Road Resurfacing.

# ITEM 12

## **RD 1608: MASTER CALENDAR**

### **JANUARY**

### **FEBRUARY**

- Annual Review of Trustee Compensation
- Send out Form 700s, remind Trustees of April 1 filing date

### **MARCH**

- Yearly Employee Evaluations
- Spring Newsletter
- Review Insurance Proposal (Renews April)

### **APRIL**

- April 1: Form 700s due
- Notify School District of Vegetation Control

### **MAY**

- Draft Budget
- Planning of Levee Tour
- Annual CEQA Exemption
- Subventions Resolution

### **JUNE**

- June 15: Provide notice/make available to the public, documentation/materials regarding determination of Appropriations (15 days prior to meeting at which Appropriations will be adopted) (*Government Code §7910*).
- Approve Audit Contract for expiring fiscal year
- Adopt the Final Budget

### **JULY**

- Adopt Resolution for setting Appropriations and submit to County Assessor's Office.

### **AUGUST**

- August 1: Deadline to certify assessments for tax-roll and deliver to County (duration of current assessment: FY 2025).
- Send handbills for collection of assessments for public entity-owned properties
- In election years, opening of period for secretary to receive petitions for nomination of Trustees (75 days from date of election.) (*Cal. Wat. Code §50731.5*)
- Submit End of the Year Financial Report.

## SEPTEMBER

- In election years, last legal deadline to post notice that petitions for nomination of Trustees may be received (7 days prior to close of closure.) (*Cal. Wat. Code §50731.5*).
- In election years, closing of acceptance of petitions for nomination of Trustees (54 days from date of election.) (*Cal. Wat. Code §50731.5*).
- Letter to Property owners on levee regarding levee standards and permit requirements
- Review Local Agency Biennial Notice – Due early October (even years)

## OCTOBER

- Publish Notice of Election, odd numbered years (once per week, 4 times, commencing at least 1 month prior to election.)
- Fall Newsletter.
- Update District Information Sheet.
- Review District Emergency Supplies
- Emergency Plan Review in 2022 (every three years thereafter)
- Deadline to Notify Insurance of Non-Participation in JPRIMA for Subsequent Year

## NOVEMBER

- Election: to be held first Tuesday after first Monday of each odd-numbered year.

## DECEMBER

- New Trustee(s) take office, outgoing Trustee(s) term(s) end on first Friday of each odd-numbered year.
- Provide updated version of electronic copies of properties within District

### Term of Current Board Members:

Name	Term Commenced	Term Ends
Dan MacDonnell	2025	First Friday of Dec 2029
Dottie Lofstrom	2023	First Friday of Dec 2027
Michael Panzer	2023	First Friday of Dec 2027

### Assessment Expires 6/30/2025

### Emergency Operation Plan Review – June 2025

### Reclamation District Meetings

- **First Wednesday of each month, at 8:00 A.M.  
at the offices of:  
Neumiller & Beardslee  
3121 W. March Lane, Suite 100  
Stockton, California 95219**

# ITEM 14

Reclamation District 1608  
Bills for Approval - June 3, 2026, Board Meeting

NAME	Date	INVOICE #	AMOUNT	TOTAL \$	WARRANT #	CHECK #	RATIFICATION
Michael Panzer	6/3/2026	Trustee Stipend	\$300.00				
				<b>\$300.00</b>	7016		
Dan MacDonnell	6/3/2026	Trustee Stipend	\$300.00				
				<b>\$300.00</b>	7017		
D. Lofstrom	6/3/2026	Trustee Stipend	\$300.00				
				<b>\$300.00</b>	7018		
Elvia Trujillo (May Services)	6/3/2026	Secretary Fee	\$1,328.55				
				<b>\$1,328.55</b>	7019		
Neumiller & Beardslee	5/6/2026	358137	\$5,015.38				
	5/27/2026	358482	\$3,173.45				
				<b>\$8,188.83</b>	7020		
Kjeldsen Sinnock & Neudeck	5/22/2026	43343	\$2,074.47				
	5/22/2026	43344	\$1,036.50				
	5/22/2026	43345	\$253.00				
	5/22/2026	43346	\$590.00				
	5/22/2026	43347	\$147.50				
	5/22/2026	43348	\$1,520.00				
				<b>\$5,621.47</b>	7021		
Croce Sanguinetti & Vander Veen	5/8/2026	24943	\$8,525.00				
				<b>\$8,525.00</b>	7022		
Reclamation District 1608	6/3/2026		\$40,000.00				
Transfer to Checking Account				<b>\$40,000.00</b>	7023		
State Compensation Insurance Fund	4/4/2026	1003543774	\$1,954.01	<b>\$1,954.01</b>		e-Check	
State Compensation Insurance Fund	4/25/2026	1003630238	\$1,204.00	<b>\$1,204.00</b>		e-Check	
State Compensation Insurance Fund	4/29/2026	1003727969	\$364.28	<b>\$364.28</b>		e-Check	

Reclamation District 1608  
Bills for Approval - June 3, 2026, Board Meeting

Bank of Stockton Visa	5/11/2026	3/28/26-4/27/26	\$9,372.79	<b>\$9,372.79</b>	Online
ADP, Inc. (payroll)	5/1/2026	720110376	\$91.26	<b>\$91.26</b>	Online
ADP, Inc. (payroll)	5/15/2026	721021742	\$88.12	<b>\$88.12</b>	Online
State of California Payroll Taxes		4/30/26 and 5/15/26 Payroll	\$1,421.85	<b>\$1,421.85</b>	Online
Federal Government Payroll Taxes		4/30/26 and 5/15/26 Payroll	\$6,022.22	<b>\$6,022.22</b>	Online
Joe L. Bryson (Payroll)	5/1/2026	4/1/26-4/30/26	\$7,562.64	<b>\$7,562.64</b>	Direct Deposit
Joe C. Godinez Sr. (Payroll)	5/1/2026	4/16/26-4/30/26	\$1,384.56	<b>\$1,384.56</b>	Direct Deposit
Joe C. Godinez Sr. (Payroll)	5/15/2026	5/1/26 - 5/15/26	\$1,541.32	<b>\$1,541.32</b>	Direct Deposit
Carlo D. Boccia (Payroll)	5/1/2026	4/16/26-4/30/26	\$1,982.83	<b>\$1,982.83</b>	Direct Deposit
Carlo D. Boccia (Payroll)	5/15/2026	5/1/26-5/15/26	\$1,911.85	<b>\$1,911.85</b>	Direct Deposit
Roger Lamarra (Payroll)	5/1/2026	4/16/26-4/30/26	\$1,296.48	<b>\$1,296.48</b>	Direct Deposit
Roger Lamarra (Payroll)	5/15/2026	5/1/26-5/15/26	\$1,329.32	<b>\$1,329.32</b>	Direct Deposit
		<b>WARRANT TOTAL:</b>		<b>\$64,563.85</b>	
		<b>CHECKING TOTAL:</b>		<b>\$37,527.53</b>	
		<b>TOTAL BILLS:</b>		<b>\$102,091.38</b>	