

RECLAMATION DISTRICT NO. 1614

AGENDA FOR REGULAR BOARD OF TRUSTEES MEETING
2:00 P.M. DECEMBER 2, 2024

3121 WEST MARCH LANE, SUITE 100
STOCKTON, CA 95219

AGENDA

1. Call to Order/Roll Call.
2. **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 5 minutes for general public comment and per agenda item in accordance with Resolution 2014-06.
3. **Minutes**. Approval of Minutes of Regular meeting of November 4, 2024 meeting.
4. **District Finances**. Presentation of Financial Status Reports. Discussion and possible action.
5. **Agency Reports**. Report on San Joaquin Area Flood Control Agency’s Smith Canal Gate Structure Project.
6. **District Engineer Report**. Presentation of Engineer’s Report. Discussion and possible action:
 - I. LEVEE MAINTENANCE PROJECT – FY 2024-2025
 - A. Review progress of San Rafael Rock Quarry, Inc. (Dutra Construction Co.)
7. **Superintendent’s Report**. Presentation of Superintendent’s Report; request for direction.
8. **Letter of Map Revision**. Discussion and possible action regarding Letter of Map Revision.
9. **Report on Meetings Attended**.
10. **District Newsletter/Postcard**. Discussion and direction.
11. **Trustee Reports**. Discussion and direction on Trustee Reports.
 - a. Trustee Gulli’s November 21, 2024 comments to SJAFCA regarding FEMA mapping and interior drainage issues.
 - b. SJAFCA - Smith Canal 100-yr Interior Drainage Analysis dated 2/16/17.
 - c. Tide Readings through high tide events and interior rainstorms correlated to nearest CDEC Station Stages.

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 Rhonda Olmo 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. The agenda is also available on the Reclamation District website at: <http://www.rd1614.com/>

12. **District Calendar.**
 - a. Next Meeting – January 6, 2025.
13. **Items for Future Meetings.** Items for future meetings.
14. **Correspondence.** Discussion and direction.
15. **District Bills.** Motion to Approve of Bills presented.
16. **Adjournment.**

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 Rhonda Olmo at 209/948-8200 during regular business hours, at least forty-eight hours prior to the time of the meeting.

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**AGENDA PACKET
RECLAMATION DISTRICT 1614
December 2, 2024**

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

ITEM 3

DRAFT MINUTES OF REGULAR MEETING OF BOARD OF TRUSTEES
FOR RECLAMATION DISTRICT 1614
HELD MONDAY, NOVEMBER 4, 2024

The November Regular Meeting of the Board of Trustees of Reclamation District 1614 was held on Monday, November 4, 2024, at the hour of 2:00 p.m.

Roll Call of Board Members and Staff:

President Kevin Kauffman, Trustee Chris Gaines, Trustee Dominick Gulli, Attorney Andy Pinasco, and Engineer Chris Neudeck.

The following members of the public were present: Sarah Vigil (Port City Marketing), Chris Elias (SJAFCA)

Absent were: Rhonda Olmo, Abel Palacio

Item 1. Call to Order/Roll Call. President Kauffman called the meeting to order at 2:06 p.m.

Item 2. 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 5 minutes for general public comment and per agenda item in accordance with Resolution 2014-06.

No Public Comment.

Item 3. Minutes. Approval of Minutes of the Regular meeting of October 7, 2024 meeting.

After review, the Trustee’s had the following edits to the October 7, 2024 Regular meeting minutes:

- Paragraph 9, add the following to the end of the Paragraph:
“Trustees requested that the entire CLOMR application be sent as the various components of the application are completed.”

On a motion by Trustee Gulli, seconded by Trustee Gaines, the Trustee’s present voted unanimously to approve the October 7, 2024 Regular meeting minutes as amended by the following vote.

Ayes: Gulli, Gaines, Kauffman
Noes: None
Abstain: None
Absent: None

Item 4. District Finances. Presentation of Financial Status Report. Discussion and possible action.

Mr. Pinasco provided a written and oral report of the District’s Fund Balance and indicated that due to Ms. Olmo’s absence, that the November Financial Report will be presented at the December meeting.

Item 5. Agency Reports. Report on San Joaquin Area Flood Control Agency’s Smith Canal Gate Structure Project, including the following from Mr. Elias, SJAFCA Executive Director:

- a. **Report on ribbon cutting for Smith Canal gate.**
- b. **Completion status.** If the area floods tomorrow, the gate works. There are punch items that are currently being completed. Working closely with DWR regarding

pre-operation intelligence as to tidal activity. Discussion of the gate operation and planned closures due to flood stage.

- c. **Operations Manual.** Interior drainage analysis was sent to District Legal Counsel. Legal Counsel sent to Trustees during meeting.
- d. **Discussion of relocation of CC diversion point.** SJAFCA is coordinating with Dino and Sons regarding extension of the intake lines.

Mr. Elias reiterated SJAFCA is finalizing their submittal to FEMA as previously mentioned above.

Item 6. District Engineer Report. Presentation of Engineer's Report. Discussion and possible action:

I. LEVEE MAINTENANCE PROJECT – FY 2024-2025

- A. Review progress of San Rafael Rock Quarry, Inc. (Dutra Construction Co.)

Mr. Neudeck provided a written and oral report regarding the Levee Maintenance Project status. Mr. Neudeck explained the Project's planned approach and informed on the materials to be used.

Item 7. Superintendent's Report. Presentation of Superintendent's Report; request for direction.

President Kauffman provided a brief oral report in Superintendent Abel Palacio's absence. President Kauffman indicated that Mr. Palacio has been closely watching the progress of the District's Levee Maintenance Project.

Item 8. Letter of Map Revision. Discussion and possible action regarding Letter of Map Revision.

The Trustee's reminded Mr. Elias that the District is still waiting for the information they requested so that the District can do their review. Mr. Elias mentioned that he sent the interior drainage analysis to the District's Legal Counsel. Mr. Pinasco confirmed such and distributed the information to the Trustees. The Trustees reiterated their request that the entire CLOMR application be sent as the various components of the application are completed.

With the receipt of the interior drainage analysis, Trustee Gulli indicated that the District's consulting engineer should review the information and provide an analysis to the Trustees. Mr. Pinasco indicated that the District has an existing agreement with the consulting engineer, however, the current scope of work does not include the work to analyze the interior drainage information. President Kauffman indicated that he would obtain a scope of work authorizing up to 40 hours of time for the consulting engineer to provide to the Trustees for approval.

Item 9. Report on Meetings Attended. No meetings reported.

Item 10. Trustee Reports. No reports given.

Item 11. District Calendar.

- a. Next Meeting – December 2, 2024.
- b. Newsletter – the Trustees present provided direction to Port City Marketing as to topics for inclusion in the District's postcard to property owners. Topics directed included:
 - a. Wishing the property owners a great new year.

- b. Direct the property owners to visit the District’s website for more information on the following:
 - i. Reelection of Trustees Kauffman and Gulli.
 - ii. Provide information on the District’s Levee Maintenance Project.
 - iii. Informing the property owners that the assessment has been reduced for past 2 years.
- c. Trustee Gulli indicated that he would send Ms. Vigil information as it relates to levee subventions and rock slope protection projects.

Item 12. Items for Future Meetings. Items for future meetings.

- Trustees requested that District Secretary invite the District’s consulting engineer, Mr. Jordan Baldwin, to the December meeting.

Item 13. Correspondence. Discussion and direction. None.

Item 14. District Bills. Motion to Approve of October 2024 Bills.

After review,

On a motion by Trustee Gulli, seconded by Trustee Gaines, the Trustee’s present voted unanimously to approve the October 2024 bills by the following vote.

Ayes: Gulli, Gaines, Kauffman
Noes: None
Abstain: None
Absent: None

Item 18. Adjournment. At 3:36 p.m. President Kauffman adjourned the meeting.

Respectfully submitted,

Rhonda L. Olmo
District Secretary

Reclamation District 1614
AMENDED October 2024 Bills

NAME	INVOICE #	AMOUNT	TOTAL \$	WARRANT #	CHECK #	SUBVENTION FUND
Kevin Kauffman - November 4, 2024 Meeting		\$100.00		6383		
October 25, 2024 Special Meeting		\$100.00				
			\$200.00			
Christian Gaines - November 4, 2024 Meeting		\$50.00		6384		
October 25, 2024 Special Meeting		\$50.00				
			\$100.00			
Dominick Gulli - November 4, 2024 Meeting		\$50.00		6385		
October 25, 2024 Special Meeting		\$50.00				
			\$100.00			
Rhonda Olmo		\$1,212.17		6389		
October 25, 2024 Special Meeting		\$250.00				
			\$1,462.17			
Neumiller & Beardslee	350918	\$11,442.74		6387		
			\$11,442.74			
Delk Pest Control	248550	\$220.00		6388		
			\$220.00			
ADP - Period Ending 9/30/24	672131823	\$132.25				
			\$132.25			
T-Mobile		\$111.78			online	
			\$111.78			
Comcast		\$142.16			online	
			\$142.16			
PG&E		\$1,391.15			online	
			\$1,391.15			

Reclamation District 1614
 AMENDED October 2024 Bills

Visa		\$817.19			online	
			\$817.19			

WARRANT TOTAL: \$13,524.91
CHECKING TOTAL: \$2,594.53
TOTAL BILLS PAID \$16,119.44

ITEM 4

RECLAMATION DISTRICT 1614
FINANCIAL REPORT MEETING NOVEMBER 2024 MEETING
% OF FISCAL YEAR ELAPSED THROUGH END OF OCTOBER - 33.3%

Budget Item		Budget Amount	Expended MTD	Expended YTD	% YTD
GENERAL FUND					
Administrative					
G1	Annual Audit	\$ 8,000.00	\$0.00	\$0.00	0.00%
G2	Public Communication & Noticing	10,000.00	\$0.00	0.00	0.00%
G3	Election Expense	30,000.00	\$0.00	0.00	0.00%
G4	Superintendent	50,000.00	\$132.25	6,944.46	13.89%
G4a	Secretary	16,000.00	\$1,462.17	6,798.65	42.49%
G5	Workers' Compensation	3,000.00	\$0.00	712.25	23.74%
G6	Trustee Fees	4,000.00	\$400.00	1,000.00	25.00%
G7	County Assessment Administration	8,000.00	\$0.00	0.00	0.00%
G7A	General Assessment Administration (Engineers)	12,000.00	\$0.00	4,675.59	38.96%
G8	Office Supplies	1,500.00	\$0.00	737.00	49.13%
G9	Communication (phones, radios, etc.)	3,000.00	\$253.94	1,021.94	34.06%
G12	Education/Memberships	3,000.00	\$0.00	791.00	26.37%
G13	Non Management Staff	5,000.00	\$0.00	0.00	0.00%
G13A	LOMR	50,000.00	\$0.00	2362.50	4.73%
	TOTAL	\$203,500.00	\$2,248.36	\$25,043.39	12.31%
Consultants					
G14	General Engineering	\$ 30,000.00	\$0.00	\$11,325.30	37.75%
G15	General Legal	30,000.00	\$11,442.74	25,849.43	86.16%
	TOTAL	\$ 60,000.00	\$11,442.74	\$37,174.73	61.96%
Property & Equipment					
G16	Operation & Maintenance	\$ 3,000.00	\$0.00	\$0.00	0.00%
G16A	District Vehicle Expenses	3,500.00	\$140.50	400.50	11.44%
G17	Acquisitions	0.00	\$0.00	0.00	0.00%
G18	Flood Fight Supplies	5,000.00	\$0.00	0.00	0.00%
	TOTAL	\$ 11,500.00	\$140.50	\$400.50	3.48%
Other					
G19	Insurance	\$ 19,500.00	\$0.00	\$22,831.31	117.08%
	TOTAL	\$ 19,500.00	\$0.00	\$22,831.31	117.08%
	TOTAL GENERAL FUND	\$ 294,500.00	\$ 13,831.60	\$ 85,449.93	
RECURRING EXPENSES					
Levee					
L1	General Maintenance	\$ 15,000.00	\$0.00	3,100.08	20.67%
L2	Engineering	25,000.00	\$0.00	8,160.60	32.64%
L3	Riprap and Levee Repair	780,000.00	\$0.00	49,235.76	6.31%
L4	Specific Project Engineering	25,000.00	\$0.00	2,816.42	0.00%
L5	Storm Emergency	25,000.00	\$0.00	112.00	0.00%
	TOTAL	\$ 870,000.00	\$0.00	\$63,424.86	7.29%
Drainage					
D1	Electricity	\$ 35,000.00	\$1,391.15	\$8,373.68	23.92%
D2	Sump Clearing	15,000.00	\$0.00	10,057.00	67.05%
D3	Plant O&M	65,000.00	\$676.69	37,934.36	58.36%
D4	Pest Control	3,000.00	\$220.00	880.00	29.33%
D5	Engineering	10,000.00	\$0.00	\$2,762.68	0.00%
	TOTAL	\$ 128,000.00	\$2,287.84	\$60,007.72	46.88%
	TOTAL RECURRING EXPENSES	\$ 998,000.00	\$ 2,287.84	\$ 123,432.58	
	TOTAL EXPENSE BUDGET	\$ 1,292,500.00	\$ 16,119.44	\$ 208,882.51	

INCOME

Anticipated

Assessment - Existing	\$ 350,000.00	\$0.00	\$0.00	0.00%
Assessment - Wisconsin	97,090.00	\$0.00	\$0.00	0.00%
Interest	88,000.00	\$0.00	\$24,519.00	27.86%
Property Tax	195,000.00	\$0.00	\$3,974.16	2.04%
Subvention Reimbursement	425,000.00	\$0.00	\$0.00	0.00%
2019-2020 DWR 5-Year Plan	0.00	\$0.00	\$0.00	0.00%
Delta Grant II - Flood Fight Supplies	0.00	<u>\$0.00</u>	<u>\$0.00</u>	<u>0.00%</u>
TOTAL	\$ 1,155,090.00	\$0.00	\$28,493.16	2.47%
TOTAL NET INCOME (LOSS)	<u>\$ (137,410.00)</u>			

Dist. Secretary out -
no current balances
obtained.

O&M Fund Balance (as of 10/31/2024)
Wisconsin Fund Balance (as of 10/31/2024)
Proposed Expenses
TOTAL CASH

16,119.44
#VALUE!

Checking Account Balance (as of 10/31/2024)
TOTAL CASH ON HAND

#VALUE!

Wisconsin Pump Station Costs: \$871,811.87
See attached for details.

RECLAMATION DISTRICT 1614
FINANCIAL REPORT MEETING DECEMBER 2024 MEETING
% OF FISCAL YEAR ELAPSED THROUGH END OF NOVEMBER - 41.66%

Budget Item		Budget Amount	Expended MTD	Expended YTD	% YTD
GENERAL FUND					
Administrative					
G1	Annual Audit	\$ 8,000.00	\$0.00	\$0.00	0.00%
G2	Public Communication & Noticing	10,000.00	\$0.00	0.00	0.00%
G3	Election Expense	30,000.00	\$0.00	0.00	0.00%
G4	Superintendent	50,000.00	\$4,298.31	11,242.77	22.49%
G4a	Secretary	16,000.00	\$1,596.51	8,395.16	52.47%
G5	Workers' Compensation	3,000.00	\$0.00	712.25	23.74%
G6	Trustee Fees	4,000.00	\$200.00	1,200.00	30.00%
G7	County Assessment Administration	8,000.00	\$0.00	0.00	0.00%
G7A	General Assessment Administration (Engineers)	12,000.00	\$0.00	4,675.59	38.96%
G8	Office Supplies	1,500.00	\$98.09	835.09	55.67%
G9	Communication (phones, radios, etc.)	3,000.00	\$253.94	1,275.88	42.53%
G12	Education/Memberships	3,000.00	\$0.00	791.00	26.37%
G13	Non Management Staff	5,000.00	\$0.00	0.00	0.00%
G13A	LOMR	50,000.00	\$0.00	2362.50	4.73%
	TOTAL	\$203,500.00	\$6,446.85	\$31,490.24	15.47%
Consultants					
G14	General Engineering	\$ 30,000.00	\$5,456.05	\$16,781.35	55.94%
G15	General Legal	30,000.00	\$5,090.98	30,940.41	103.13%
	TOTAL	\$ 60,000.00	\$10,547.03	\$47,721.76	79.54%
Property & Equipment					
G16	Operation & Maintenance	\$ 3,000.00	\$0.00	\$0.00	0.00%
G16A	District Vehicle Expenses	3,500.00	\$247.16	647.66	18.50%
G17	Acquisitions	0.00	\$0.00	0.00	0.00%
G18	Flood Fight Supplies	5,000.00	\$0.00	0.00	0.00%
	TOTAL	\$ 11,500.00	\$247.16	\$647.66	5.63%
Other					
G19	Insurance	\$ 19,500.00	\$0.00	\$22,831.31	117.08%
	TOTAL	\$ 19,500.00	\$0.00	\$22,831.31	117.08%
	TOTAL GENERAL FUND	\$ 294,500.00	\$ 17,241.04	\$ 102,690.97	
RECURRING EXPENSES					
Levee					
L1	General Maintenance	\$ 15,000.00	\$0.00	3,100.08	20.67%
L2	Engineering	25,000.00	\$1,863.25	10,023.85	40.10%
L3	Riprap and Levee Repair	780,000.00	\$37,186.81	86,422.57	11.08%
L4	Specific Project Engineering	25,000.00	\$2,250.75	5,067.17	0.00%
L5	Storm Emergency	25,000.00	\$1,008.00	1,120.00	0.00%
	TOTAL	\$ 870,000.00	\$42,308.81	\$104,725.67	12.04%
Drainage					
D1	Electricity	\$ 35,000.00	\$1,918.57	\$10,292.25	29.41%
D2	Sump Clearing	15,000.00	\$5,430.00	15,487.00	103.25%
D3	Plant O&M	65,000.00	\$652.50	38,586.86	59.36%
D4	Pest Control	3,000.00	\$220.00	1,100.00	36.67%
D5	Engineering	10,000.00	\$0.00	\$2,762.68	0.00%
	TOTAL	\$ 128,000.00	\$8,221.07	\$68,228.79	53.30%
	TOTAL RECURRING EXPENSES	\$ 998,000.00	\$ 50,529.88	\$ 172,954.46	
	TOTAL EXPENSE BUDGET	\$ 1,292,500.00	\$ 67,770.92	\$ 275,645.43	

INCOME

Anticipated

Assessment - Existing	\$ 350,000.00	\$0.00	\$0.00	0.00%
Assessment - Wisconsin	97,090.00	\$0.00	\$0.00	0.00%
Interest	88,000.00	\$23,554.00	\$48,073.00	54.63%
Property Tax	195,000.00	\$0.00	\$3,974.16	2.04%
Subvention Reimbursement	425,000.00	\$0.00	\$0.00	0.00%
2019-2020 DWR 5-Year Plan	0.00	\$0.00	\$0.00	0.00%
Delta Grant II - Flood Fight Supplies	0.00	\$0.00	\$0.00	0.00%
TOTAL	\$ 1,155,090.00	\$23,554.00	\$52,047.16	4.51%
TOTAL NET INCOME (LOSS)	\$ (137,410.00)			

O&M Fund Balance (as of 11/26/2024)	1,907,897.64
Wisconsin Fund Balance (as of 11/26/2024)	1,848,013.40
Proposed Expenses	<u>67,770.92</u>
TOTAL CASH	<u>\$ 3,688,140.12</u>

Checking Account Balance (as of 11/26/2024)	11,634.60
TOTAL CASH ON HAND	<u>\$ 3,699,774.72</u>

Wisconsin Pump Station Costs: \$871,811.87
See attached for details.

ITEM 6

Kevin Kauffman, President
Christian Gaines, Trustee
Dominick Gulli, Trustee

**RECLAMATION DISTRICT NO. 1614
SMITH TRACT**

Andrew J. Pinasco, Counsel
Rhonda L. Olmo, Secretary
Christopher H. Neudeck, Engineer
Abel Palacio, Superintendent

**BOARD OF TRUSTEES MEETING
MONDAY, DECEMBER 2, 2024
2:00 PM**

I. LEVEE MAINTENANCE PROJECT – FY 2024-2025

A. Review progress of San Rafael Rock Quarry, Inc. (Dutra Construction Co.)

EXHIBIT A: Field photos from daily field reports.

EXHIBIT A









ITEM 7

RD 1614 Superintendent's Report
November 2024

11/26//2024

The month of November 2024 gave us the first rains of the year. The District's 11 pump stations and levee system continue to function well. There are no significant problems with pumps to report. The RTU (remote terminal unit) that failed last month was replaced and installed, configured and tested.

Pump Stations:

The preventative maintenance work completed over the summer at the district's pumps stations and sump cleaning proved to be a major factor in weathering the first storm of the season. We also had relatively little rainfall in the district watershed area which, no doubt also contributed to the successful first rain event performance but, it was a good first test of the system.. I was especially interested in how the drainage system for the Lake Drive pump station(PS2) would perform since San Joaquin County public works dept completed major elevation, sidewalk, street repairs in that area. The drainage system catch basin serves as the inlet to our pump station. The system seems to flow well with little to no standing water as was the case before the repairs were made. Lake Drive pump station is the last pump station that does not send analog data (sump level) to the alarm agent which in turn gives me the ability to monitor and track levels and pump station draw down rates during a storm event . I am planning to modify the RTU and level control system to be able to do that in the near future.

District vehicle:

The District's Service truck was serviced this month and a flat tire could not be repaired so a new tire was purchase and installed

Levee inspection: A levee inspection was performed from. An effort was made to inspect the progress of the RSP project along the Stockton golf and country club golf course. I also want to see the potential for further scouting out other properties for RSP in the future. Please see the attached report.

This concludes my report.

Respectfully:

Abel Palacio - Reclamation District 1614 Superintendent:

Reclamation District 1614 Monthly Waterside Inspection Report

Personnel present: Abel Palacio (RD 1614 Superintendent), Aaron Lickingteller (KSN)

Inspection conducted: Monday, November 25, 2024 at 11:00am –2:30pm. Low tide occurred at 8:04am (0.26 feet) and high tide occurred at 2:14pm (3.47 feet). The following points of interest were observed during the inspection:

Photos of Smith Tract



2030 Moering Ct.: A new slope repair was made after a large tree that fell into the channel was removed.



2024 Idaho Ave: The densest vegetation on the District west of I-5.



2008 Grange Ave.: RSP was placed along the waterside slope nearly two decades ago but appears to have slipped into the canal over time.



1826 & 1822 S. Tuxedo Ave.: Both properties requested RSP.



1628 to 1640 S. Tuxedo Ave.: At least one of the property owners of this condominium complex has requested RSP.



1466 W. S. Tuxedo Ave.

Photos of Weber Tract



1701 Pershing Ave.: The homeless camp was removed from this property and slope modifications conducted by the property owner.

Photos of the Stockton Golf & Country Club









ITEM 11(a)

Dominick Gulli PE, PLS
209 649 4555
greenmountaindom@hotmail.com
Professional Citizen to Protect Public Flood and Water Funds.
Savedadspoint.org

San Joaquin Area Flood Control Agency
Board of Directors
c/o Chairman

11/21/24

Public Comments for 11/21/24 Regular meeting.

2. CLOSED SESSION

2.1) Conference with Legal Counsel and Recruiter regarding Public Employment pursuant to Government Code Section 54957 Title: Executive Director

I trust that the selection committee has selected an Executive Director of the Agency who is a Licensed Civil Engineer and Land Surveyor. As required by The Professional Engineers Act (Business and Professions Code §§ 6700 – 6799).

5. Public Comments

Earlier this month The Executive Director provided Reclamation District 1614 with SJAFCA's Smith Canal 100-yr Interior Drainage Analysis dated 2/16/17 (170216 PBI IDA) and stated that it will be the IDA used for the Letter Of Map Revision LOMR for the Smith Canal. This study includes the Interior Drainage impacts of the Yosemite Lake Drainage Basin (1935 acres with 177.9 acre-ft. of excess drainage beyond pumping capacity).

The board should be concerned, as the Previous Executive Director was notified by FEMA staff Engineer Kathy Schaefer, in 2011 (Ex 3) that "**Areas impacted by interior drainage may be mapped as a special flood hazard area.**"

This Smith Canal 100-yr Interior Drainage Analysis dated 2/16/17, report was obtained previously from other sources and many questions and clarifications are **required from FEMA** as well as many concerns that I, a Trustee and Licensed Civil Engineer and Land Surveyor have identified. Enclosed is (EX 13) 3/1/24

Trustee Memo to the Board regarding the Districts LOMR submittal Case 22-09-17743P and the FEMA issues with obtaining the letter of map revision.

The Smith Canal Area is subject to many flooding sources 1) Lower Calaveras River 2) Smith Canal 3) San Joaquin River and 4) interior Drainage. The SJAFCA seem to have made a mistake in assuming the SFHA was due to the Smith Canal Levees as it seems clear that it was due to the interior drainage facilities, including the Yosemite Lake Pump Station.

It appears to me that without a detention basin or larger pumps there will exist a SFHA "A" zone associated with Internal Drainage that according to FEMA "*expects the interior drainage from the Calaveras River levee and the Smith Canal Levee to be located at the low-lying area (near the intersection of Clement and Wisconsin Street)*". (see item 8 of Ex 13)

6. Consent Items

For the Record, without board approval, the staff revised today's meeting to a special meeting although it is a regular meeting. This maneuver allows them to reduce the time for posting the agenda which was done 24 hours prior to the meeting. This is a coy maneuver to further conceal the actions of the agency.

The 11/21/24 Agenda Posted on the Board Meetings tab of the Website excludes all the attachments that are hidden on the Board Agenda Tab.

6.1 and 6. 2. Not sure how the Board can approve the minutes without seeing the Draft. Written Comments submitted to the Board Should be included in the minutes.

6.3) Authorization to Enter a Funding Agreement with the Department of Water Resources for "Phase 5" of the Regional Flood Management Program

Prior work on the RFMP included compensated input from Affected Reclamation Districts.

7.1 Board Meeting Schedule

To be provided

8.1 Status Summary of Strategic Plan Priority Actions

The Staff Report indicates;

Progress Toward System Wide Resiliency

- *Smith Canal Gate ribbon cutting on October 23, 2024, which is the culmination of 15 years of planning and work to provide up to 200-year flood protection for approximately 8,500 property owners.*

The Smith Canal Gate does not provide 200-year level of protection for the 8,500 property owners. 200-year building restrictions to build above the Smith Canal Base Flood Elevation will remain.

- *USACE contract award for \$17.9M to Ahtna-Forgen JV for the construction of TS30L.*

This construction bid of \$17,888,574 is for **one mile** of a dryland levee which is exorbitant! This is the first that the Board or the Public have been informed of the contract amount and the low bidder. It has been further learned that the **Government Estimate was \$32,791,694**, the second bidder (Cecil Nordic JV) was \$29,488,489 and the third bidder (MCOE JV) was \$21,296,811.

Per the Governments Estimate (Ex 4) this cost does not include Relocations (14% of Construction Costs (CC), Fish and Wildlife Facilities and Mitigation (11.3% of CC), Lands and Damages (12.4%), Planning and Engineering (21.3%), Preliminary Engineering and Design (PED) (5.1%) or Construction Management (14.3%). All total, adding these additional costs, based on the Governments estimate would total about **\$58,510,245**. All this expenditure for 1 mile of dryland levee that meets the requirements of FEMA CFR 65.10.

The “Program Highlights Flyer” propaganda dated November 2024 indicates”

With a snip of giant scissors, a ribbon across the Smith Canal Gate was cut on October 23 during a ceremony attended by local, state and federal officials. The celebration culminated 15 years of planning and work to provide up to 200-year flood protection for ~8,500 property owners in the Smith Tract, many of whom have been living with a costly flood insurance mandate since 2008. SJAFCA is awaiting final project documents from the construction contractor that are necessary to finalize the project accreditation package for FEMA. The package is expected to be submitted to FEMA by the end of 2024. The federal agency is expected to issue a Letter of Map Revision (LOMR) sometime in 2025. Once new maps are in place, Smith Tract properties will no longer be required to pay for high-risk flood insurance. Collectively, this will save property owners hundreds of thousands of dollars per year while providing them access to lower cost flood insurance.

- ✓ Again, the Gate does not provide 200 year protection.
- ✓ The contractor is not holding up the submittal, it is the interior drainage analysis and the Operations and Maintenance manual that is having difficulty completing.
- ✓ To be clear, the reason flood insurance is so expensive for some landowners is that SJAFCA’s **Smith Canal Gate Engineers, determined, for the community, that elevation 9.4 should be used in Box B9 (Base Flood Elevation BFE) of the Elevation Certificate.** If the landowner follows the directions for a flood certificate and uses a Zone A (without BFE) **as indicated on the**

FIRM, the landowner can complete Section E (no land surveyor required) and the insurance will be substantially less. See (EX 5) FEMA FIRM Map and Flood Certificate form and instructions.

8.2) Receive Informational Briefing on the Status of the Climate Adaptation Policy for the Mossdale Tract Project

The staff Report indicates:

The current climate change policy for the Mossdale Project was adopted by SJAFCA in 2019 and is due for review. **It is recommended that staff and their consultants undertake a comprehensive review of the policy and, if warranted, modify and re-draft the Mossdale policy to align with the latest climate science.** In addition, staff would also consider expanding the climate change policy, or drafting a separate climate change policy, for other areas of the SJAFCA planning region beyond the Mossdale Tract. This type of policy may also be able to serve a purpose for ongoing projects such as the Paradise Cut Bypass Expansion feasibility study and the USACE Lower San Joaquin River Project (LSJRP). Following staff review of the climate change policy, we will return to the SJAFCA Board for another briefing to discuss staff review of the policy and to propose the next steps.

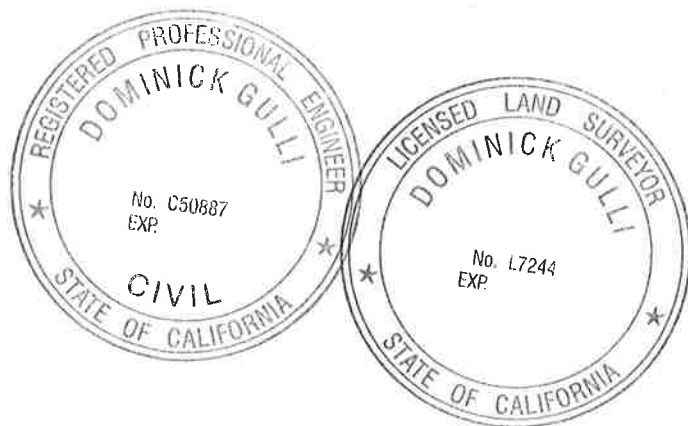
“This is an informational item only. **There is no net budgetary impact resulting from staff’s recommendation to the Board.**”

This staff recommendation will have a **significant cost** and the Board should be aware of what this cost will be and which budget items will incur this expense. The board should also be aware of which Master Services Contracts will be used to implement this costly endeavor.

Thank You and Contact me if you have any questions



Dominick Gulli PE, PLS



EX 3



U.S. Department of Homeland Security
1111 Broadway, Suite 1200
Oakland, CA 94607-4052

FEMA

January 21, 2011

Mr. James B. Giottonini
Executive Director
San Joaquin Area Flood Control Agency
22 E. Weber Avenue, Room 301
Stockton, CA 95202-2317

Dear Mr. Giottonini:

This letter is in reference to the review of the levee certification package originally submitted on March 24, 2010 and the updated information that was submitted on September 7, 2010 and December 20, 2010 by the San Joaquin Area Flood Control Agency (SJAFC) for the levee system along Lower Calaveras River, the San Joaquin River, and Walker Slough. The levee segments of this system, found on the enclosed map, have been previously identified as follows:

- the levee segments along Lower Calaveras River on the north bank (segment P454) and south bank (segments P1401, P140, P356, and P357);
- the levee segment along the right bank of the San Joaquin River (segment P359);
- the levee segment along Walker Slough on the north bank (segment P268).

After a review of the documentation and data submitted, it has been determined that the minimum criteria outlined in Title 44, Code of Federal Regulations, Section 65.10 (44 CFR 65.10), have been met for the levees listed above. Therefore, FEMA plans to fully accredit these levee segments. Levee segment P454, which is a part of a previously accredited levee system on Flood Insurance Rate Map (FIRM) panels 06077C0320F, 06077C0455F, and 06077C0460F, dated October 16, 2009, will be mapped as providing protection from the 1-percent annual chance (base) flood. The area protected from the base flood by fully accredited levee systems will continue to be mapped as shaded Zone X and an updated note reflecting the new levee status will be placed in that area. Areas impacted by internal drainage may be mapped as a special flood hazard area.

Although levee segments P1401, P140, P356, P357, P359, and P268 meet the minimum criteria outlined in 44 CFR 65.10, other levee segments in corresponding levee systems do not meet 44 CFR 65.10 requirements. As a result, the areas protected from the base flood by levee systems depicted as provisionally accredited on the October 16, 2009 effective FIRM with identified deficiencies will be de-accredited in a future FEMA mapping action. If additional, new, or updated information regarding the performance or condition of these levees become available, FEMA may re-evaluate the flood hazard depicted on the effective FIRM, and incorporate that information as warranted.

Mr. James B. Giottonini
January 21, 2011
Page 2 of 3


Map revisions in the future may require that data and documentation be submitted to demonstrate compliance with the 44 CFR 65.10 criteria at that time. Design, construction, operation, and/or maintenance documents may be requested at any time. Deviations from the documentation and data submitted to FEMA could result in the levee system no longer being mapped as providing protection from the base flood on a future FIRM. If at any point, additional information is provided to FEMA that shows the levee system no longer meets the criteria outlined in 44 CFR 65.10, FEMA will contact the levee owner and community about possibly de-accrediting the levee system.

While FEMA may map the referenced levee system as providing protection from the base flood, it is important to note that levees are only designed to provide a specific level of protection. They can be overtopped or fail in larger flood events. Levee systems require regular maintenance and periodic upgrades to retain their level of protection. When levees do fail, they fail catastrophically, and damage may be more significant than if the levee was not there.

Everyone should understand the risk to life and property that resides behind levees – risk that even the best flood-control system cannot completely eliminate. For these reasons, FEMA encourages people to understand their risk. The National Flood Insurance Program (NFIP) was created to reduce flood damages by identifying flood risks, encouraging sound community floodplain management practices, and providing flood insurance to lessen the financial impact of flood damage. Through the NFIP, property owners in participating communities are able to insure against flood losses.

If you have any questions regarding this matter or flood hazard mapping in general, please contact me by telephone at (510) 627-7129 or by email at kathleen.schaefer@dhs.gov.

Sincerely,

A handwritten signature in black ink that reads "Kathleen K. Schaefer". The signature is written in a cursive style with a large initial "K".

Kathleen Schaefer, P.E., CFM
FEMA Region IX
Mitigation Division

Enclosure: Levee Status Map

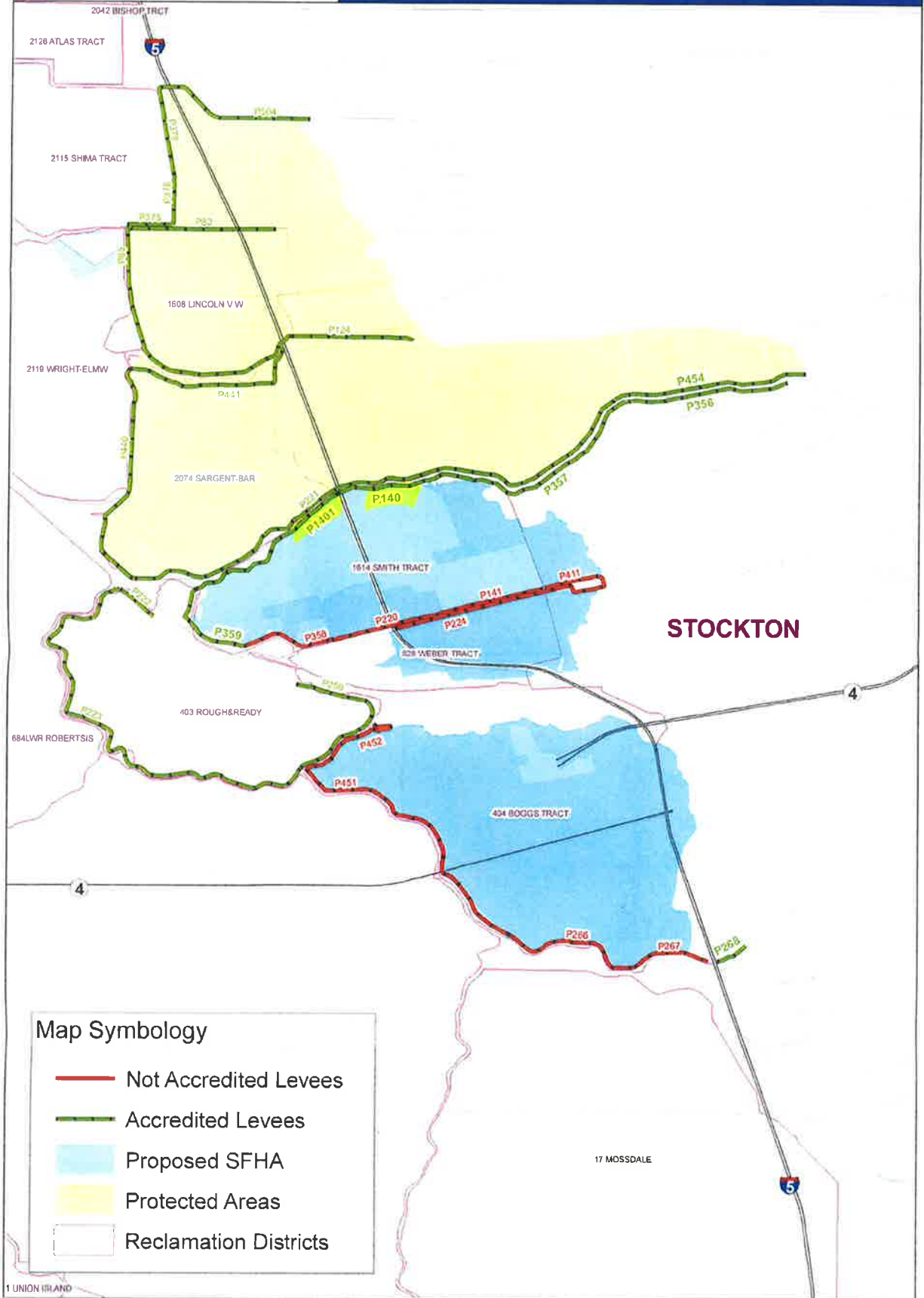
Mr. James B. Giottonini
January 21, 2011
Page 3 of 3

cc: Mr. Roger Churchwell, Deputy Executive Director, SJAFCA
Mr. Bob Deis, City Manager, City of Stockton
Mr. Mike Niblock, Director, Community Development Department, City of
Stockton
Mr. Thomas Gau, Chief Deputy Director, Public Works Department, San Joaquin
County
Mr. Mike Connelly, Engineering Services Manager, San Joaquin County Flood
Control and Water Conservation Board
Mr. William Dunning, Reclamation District 1614



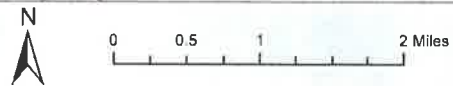
FEMA

Levee Status Map - San Joaquin County, CA



Map Symbology

- Not Accredited Levees
- Accredited Levees
- Proposed SFHA
- Protected Areas
- Reclamation Districts



Created by: BakerAECOM
 Date created: January 11, 2011

Ex 4

WALLA WALLA COST ENGINEERING (MCX)

**COST AGENCY TECHNICAL REVIEW
CERTIFICATION STATEMENT**

For Project No. 105785

SPK – Lower San Joaquin Feasibility Study
Stockton, CA

The Lower San Joaquin River Feasibility Study & cost update, as presented by Sacramento District, has undergone a Cost Agency Technical Review (Cost ATR), performed by the Walla Walla District Cost Engineering Mandatory Center of Expertise (Cost MCX) team. The Cost ATR included study of the project scope, report, cost estimates, schedules, escalation, and risk-based contingencies. This certification signifies the products meet the quality standards as prescribed in ER 1110-2-1150 Engineering and Design for Civil Works Projects and ER 1110-2-1302 Civil Works Cost Engineering.

As of December 8, 2017, the Cost MCX certifies the estimated total project cost:

FY18 Project First Cost: \$1,070,309,000
Fully Funded Costs: \$1,385,283,000

Note: Cost ATR was devoted to remaining work. It did not review spent costs, which requires an audit process. It remains the responsibility of the District to correctly reflect these cost values and to implement effective project management controls and implementation procedures including risk management through the period of Federal participation.



**NEUBAUER.JA
MES.GERARD.
1153289898**

Digitally signed by
NEUBAUER.JAMES.GERARD.1153
289898
DN: c=US, o=U.S. Government,
ou=DoD, ou=PKI, ou=USA,
cn=NEUBAUER.JAMES.GERARD.1
153289898
Date: 2017.12.08 09:11:40 -08'00'

**For: Kim C. Callan, PE, CCE, PM
Chief, Cost Engineering MCX
Walla Walla District**

11/28/24

TS 30 L TOTAL COST CALCULATION
 BASED ON GOVERNMENT
 ESTIMATE OF CONST COSTS

**** TOTAL PROJECT COST SUMMARY ****

Printed: 12/8/2017
 Page 1 of 8

PROJECT: Lower San Joaquin River Feasibility Study
 PROJECT NO: P2# 105785
 LOCATION: Stockton, CA

DISTRICT: SPK Sacramento District
 POC: CHIEF, COST ENGINEERING, Jeremiah Frost
 PREPARED: 12/8/2017

This Estimate reflects the scope and schedule in report

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2018 1 OCT 17		INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-17 (\$K)	TOTAL FIRST COST (\$K) K				
02	RELOCATIONS	\$61,594	\$23,406	38.0%	\$85,000	0.0%	\$61,594	\$23,406	\$85,000	\$0	\$85,000	27.7%	\$78,637	\$29,882	\$108,519
06	FISH & WILDLIFE FACILITIES	\$18,638	\$7,082	38.0%	\$25,720	0.0%	\$18,638	\$7,082	\$25,720	\$0	\$25,720	26.3%	\$23,541	\$8,945	\$32,486
06	FISH & WILDLIFE FACILITIES - Habitat	\$32,742	\$12,442	38.0%	\$45,184	0.0%	\$32,742	\$12,442	\$45,184	\$0	\$45,184	22.6%	\$40,152	\$15,258	\$55,410
11	LEVEES & FLOODWALLS	\$410,579	\$156,020	38.0%	\$566,599	0.0%	\$410,579	\$156,020	\$566,599	\$0	\$566,599	25.2%	\$514,135	\$195,371	\$709,506
15	FLOODWAY CONTROL & DIVERSION STRUCTURE	\$38,538	\$14,644	38.0%	\$53,183	0.0%	\$38,538	\$14,644	\$53,183	\$0	\$53,183	25.8%	\$48,485	\$18,424	\$66,909
CONSTRUCTION ESTIMATE TOTALS:		\$562,091	\$213,595		\$775,685	0.0%	\$562,091	\$213,595	\$775,685	\$0	\$775,685	25.4%	\$704,949	\$267,881	\$972,829
01	LANDS AND DAMAGES (From Fed REP Table 4)	\$7,907	\$2,768	35.0%	\$10,675	0.0%	\$7,907	\$2,768	\$10,675	\$0	\$10,675	19.8%	\$9,475	\$3,316	\$12,791
01	LANDS AND DAMAGES (From Non-Fed REP Table 4)	\$51,836	\$18,143	35.0%	\$69,979	0.0%	\$51,836	\$18,143	\$69,979	\$0	\$69,979	19.8%	\$62,113	\$21,740	\$83,853
30	PLANNING, ENGINEERING & DESIGN	\$88,010	\$33,444	38.0%	\$121,454	0.0%	\$88,010	\$33,444	\$121,454	\$0	\$121,454	36.4%	\$120,085	\$45,632	\$165,718
30 & 31*	PED & CONSTRUCTION MANGEMENT (02 ONLY)	\$16,991	\$6,456	38.0%	\$23,447	0.0%	\$16,991	\$6,456	\$23,447	\$0	\$23,447	67.5%	\$28,453	\$10,812	\$39,265
31	CONSTRUCTION MANAGEMENT	\$50,050	\$19,019	38.0%	\$69,069	0.0%	\$50,050	\$19,019	\$69,069	\$0	\$69,069	60.5%	\$80,309	\$30,517	\$110,826
PROJECT COST TOTALS:		\$776,885	\$293,424	37.8%	\$1,070,309		\$776,885	\$293,424	\$1,070,309	\$0	\$1,070,309	29.4%	\$1,005,384	\$379,898	\$1,385,283

	Total LSRP *(\$1,000)	% of Total	% of Construction	
RELOCATIONS	\$108,545	7.8%	14.0%	\$4,585,121
FISH & Wildlife Facilities	\$32,485	2.3%	4.2%	\$1,372,221
FISH & Wildlife Facilities habitat	\$55,396	4.0%	7.1%	\$2,340,007
LEVEES and Floodwalls	\$709,382	51.2%	91.4%	\$29,965,570 Government Estimate
FLOODWAY Control and Diversio	\$66,904	4.8%	8.6%	\$2,826,124 Government Estimate
TOTALS:	\$972,711			\$32,791,694
ESTIMATE Totals				TS 30 L
LANDS and Damage Fed	\$12,789	0.9%	1.6%	\$540,216
LANDS and Damages non-fed	\$83,835	6.1%	10.8%	\$3,541,334
Planning and Engineering'	\$165,663	12.0%	21.3%	\$6,997,914
PED and Construction Managem	\$39,274	2.8%	5.1%	\$1,658,993
Const Management	\$110,856	8.0%	14.3%	\$4,682,746
Total LSRP	\$1,385,127	100.0%		\$58,510,245

TOTAL PROJECT COST:	\$1,385,283
PREVIOUS TPCS:	\$ 1,552,634
DATED:	3-May-16
S A PROJECT COST CHANGE OF:	\$ (167,351)
THE 902 COST LIMITS ARE	
HORIZED COST PLUS INFLATION:	\$ -
902 LIMIT:	\$ -
DATED:	
TSIDE OF TOTAL PROJECT COST:	N/A

Ex 5.

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077
Expires July 31, 2002

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION		For Insurance Company Use:
BUILDING OWNER'S NAME		Policy Number
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.		Company NAIC Number
CITY	STATE	ZIP CODE
PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)		
BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.)		
LATITUDE/LONGITUDE (OPTIONAL) (##° - ##' - ##.##" or ##.#####°)	HORIZONTAL DATUM: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983	SOURCE: <input type="checkbox"/> GPS (Type): _____ <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Other: _____

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER		B2. COUNTY NAME		B3. STATE <i>(NO BASE FLOOD)</i>	
B4. MAP AND PANEL NUMBER	B5. SUFFIX	B6. FIRM INDEX DATE	B7. FIRM PANEL EFFECTIVE/REVISED DATE	B8. FLOOD ZONE(S) <i>A</i>	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding)
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9. <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input checked="" type="checkbox"/> Other (Describe): <i>SIJAFCA. SMITH CANAL GATE Engineer</i>					
B11. Indicate the elevation datum used for the BFE in B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe): _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input type="checkbox"/> No Designation Date: _____					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Building Diagram Number _____ (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

C3. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO
Complete Items C3 a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.
Datum _____ Conversion/Comments _____

Elevation reference mark used _____ Does the elevation reference mark used appear on the FIRM? Yes No

<input type="checkbox"/> a) Top of bottom floor (including basement or enclosure)	_____ ft. (m)	License Number, Embossed Seal, Signature, and Date
<input type="checkbox"/> b) Top of next higher floor	_____ ft. (m)	
<input type="checkbox"/> c) Bottom of lowest horizontal structural member (V zones only)	_____ ft. (m)	
<input type="checkbox"/> d) Attached garage (top of slab)	_____ ft. (m)	
<input type="checkbox"/> e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area.)	_____ ft. (m)	
<input type="checkbox"/> f) Lowest adjacent (finished) grade (LAG)	_____ ft. (m)	
<input type="checkbox"/> g) Highest adjacent (finished) grade (HAG)	_____ ft. (m)	
<input type="checkbox"/> h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade _____		
<input type="checkbox"/> i) Total area of all permanent openings (flood vents) in C3.h _____ sq. in. (sq. cm)		

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information.
I certify that the information in Sections A, B, and C on this certificate represents my best efforts to interpret the data available.
I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME	LICENSE NUMBER
TITLE	COMPANY NAME
ADDRESS	CITY STATE ZIP CODE
SIGNATURE	DATE TELEPHONE

IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use:
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.			Policy Number
CITY	STATE	ZIP CODE	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

COMMENTS

Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zone AO and Zone A (without BFE), complete Items E1. through E4. If the Elevation Certificate is intended for use as supporting information for a LOMA or LOMR-F, Section C must be completed.

- E1. Building Diagram Number _____ (Select the building diagram most similar to the building for which this certificate is being completed – see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)
- E2. The top of the bottom floor (including basement or enclosure) of the building is _____ ft.(m) _____ in.(cm) _____ above or _____ below (check one) the highest adjacent grade. (Use natural grade, if available.)
- E3. For Building Diagrams 6-8 with openings (see page 7), the next higher floor or elevated floor (elevation b) of the building is _____ ft.(m) _____ in.(cm) above the highest adjacent grade. Complete Items C3.h and C3.i on front of form.
- E4. For Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, C (Items C3.h and C3.i only), and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, C, and E are correct to the best of my knowledge.*

PROPERTY OWNER'S OR OWNER'S AUTHORIZED REPRESENTATIVE'S NAME

ADDRESS _____ CITY _____ STATE _____ ZIP CODE _____

SIGNATURE _____ DATE _____ TELEPHONE _____

COMMENTS

Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below.

- G1. The information in Section C was taken from other documentation that has been signed and embossed by a licensed surveyor, engineer, or architect who is authorized by state or local law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. PERMIT NUMBER	G5. DATE PERMIT ISSUED	G6. DATE CERTIFICATE OF COMPLIANCE/OCCUPANCY ISSUED
-------------------	------------------------	---

G7. This permit has been issued for: New Construction Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building is: _____ ft.(m) Datum: _____

G9. BFE or (in Zone AO) depth of flooding at the building site is: _____ ft.(m) Datum: _____

LOCAL OFFICIAL'S NAME _____ TITLE _____

COMMUNITY NAME _____ TELEPHONE _____

SIGNATURE _____ DATE _____

COMMENTS

Check here if attachments

Item B4. Map and Panel Number. Enter the 10-digit number shown on the FIRM panel where the building or manufactured (mobile) home is located. The first six digits will not match the NFIP community number: 1) when the sixth digit is a “C,” in which case the FIRM panel is in a countywide format; or 2) when one community has annexed land from another community but the FIRM panel has not been updated to reflect this annexation. If the sixth digit is a “C,” it is followed by a four-digit map number. For maps not in countywide format, enter the “community panel number” shown on the FIRM.

Item B5. Suffix. Enter the suffix letter shown on the FIRM panel that includes the building’s location.

Item B6. FIRM Index Date. Enter the effective date or map revised date shown on the FIRM Index.

Item B7. FIRM Panel Effective/Revised Date. Enter the map effective date or the map revised date shown on the FIRM panel. This will be the latest of all dates shown on the map. The current FIRM panel effective date can be determined by calling 1-800-427-4661.

Item B8. Flood Zone(s). Enter the flood zone, or flood zones, in which the building is located. All flood zones containing the letter “A” or “V” are considered Special Flood Hazard Areas. The flood zones are A, AE, A1-A30, V, VE, V1-V30, AH, AO, AR, AR/A, AR/AE, AR/A1-A30, AR/AH, and AR/AO. Each flood zone is defined in the legend of the FIRM panel on which it appears.

Item B9. Base Flood Elevation(s). Using the appropriate Flood Insurance Study (FIS) Profile, Flood Elevation Table, or FIRM panel, locate the property and enter the BFE (or base flood depth) of the building site. If the building is located in more than one flood zone in Item B8., list all appropriate BFEs in Item B9. BFEs are shown on a FIRM or FIS Profile for Zones A1-A30, AE, AH, V1-V30, VE, AR, AR/A, AR/AE, AR/A1-A30, AR/AH, and AR/AO; flood depth numbers are shown for Zone AO. Use the AR BFE if the building is located in any of Zones AR/A, AR/AE, AR/A1-A30, AR/AH, or AR/AO. In A or V zones where BFEs are not provided on the FIRM, the community may have established BFEs or obtained BFE data from other sources. For subdivisions and other developments of more than 50 lots or 5 acres, establishment of BFEs is required by the community’s floodplain management ordinance. If the BFE is obtained from another source, enter the BFE in Item B9.

Item B10. Indicate the source of the BFE that you entered in Item B9.

Item B11. Indicate the elevation datum to which the elevations on the applicable FIRM are referenced.

Item B12. Indicate whether the building is located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA). Federal flood insurance is prohibited in designated CBRS areas for buildings or manufactured (mobile) homes built or substantially improved after the date of the CBRS designation. An information sheet explaining CBRS areas may be obtained on FEMA’s website at <http://www.fema.gov> or by calling 1-800-427-4661.

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

Complete Section C if the building is located in any of Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, or AR/AO, or if this certificate is being used to support a LOMA or LOMR-F. If the building is located in Zone AO or Zone A (without BFE), complete Section E instead.

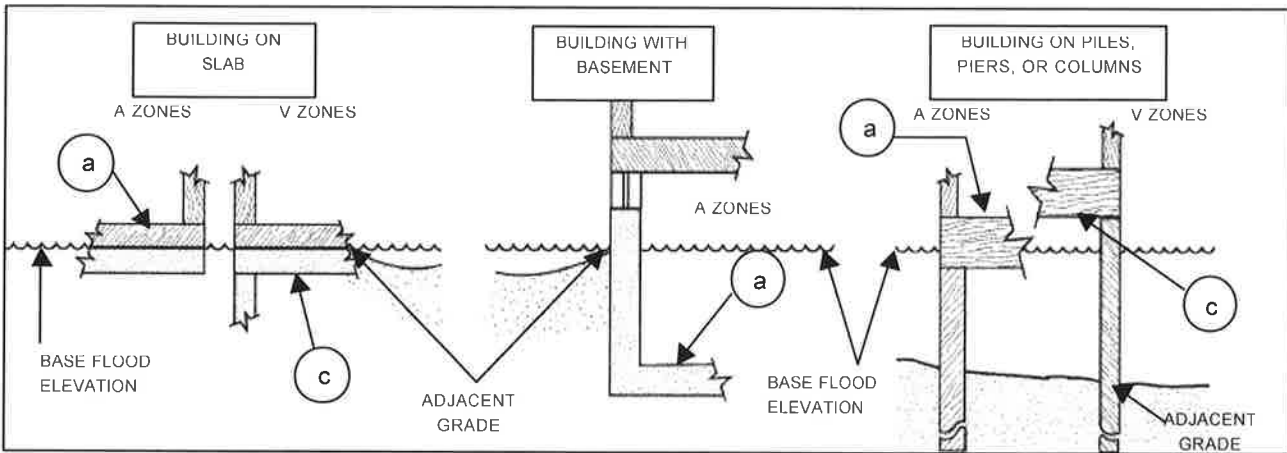
Item C1. Indicate whether the elevations to be entered in this section are based on construction drawings, a building under construction, or finished construction. For either of the first two choices, a post-construction Elevation Certificate will be required when construction is complete. Select “finished construction” only when all machinery and/or equipment such as furnaces, hot water heaters, heat pumps, air conditioners, and elevators and their associated equipment have been installed and the grading around the building is completed.

Item C2. Select the diagram on pages 6 and 7 that best represents the building. Then enter the diagram number and use the diagram to identify and determine the appropriate elevations requested in Items C3.a-g. If you are unsure of the correct diagram, select the diagram that most closely resembles the building being certified, or provide a sketch or photograph of the building and enter all elevations in Items C3.a-g.

Item C3. Indicate whether the elevation reference mark (benchmark) used during the field survey is an elevation mark on the FIRM. If it is not, indicate the source and datum for the elevation. Vertical control benchmarks other than those shown on the

FIRM are acceptable for elevation determinations. Show the conversion from the field survey datum used to the datum used for the BFE(s) entered in Item B9. All elevations for the certificate must be referenced to the datum on which the BFE is based. Show the datum conversion, if applicable, in this section or in the Comments area of Section D. For property experiencing ground subsidence, the most recently adjusted reference mark elevations must be used for determining building elevations. However, when subsidence is involved, the BFE should not be adjusted. Enter elevations in Items C3.a-g to the nearest tenth of a foot (nearest tenth of a meter, in Puerto Rico).

Items C3.a-d. Enter the building elevations (excluding the attached garage) indicated by the selected building diagram (Item C2.) in Items C3.a-c. If there is an attached garage, enter the elevation for top of attached garage slab in Item C3.d. (Because elevation for top of attached garage slab is self-explanatory, attached garages are not illustrated in the diagrams.) If the building is located in a V zone on the FIRM, complete Item C3.c. If the flood zone cannot be determined, enter elevations for all of Items C3.a-g. For buildings in A zones, elevations a, b, d, and e should be measured at the top of the floor. For buildings in V zones, elevation c must be measured at the bottom of the lowest horizontal structural member of the floor (see drawing below). *If any item does not apply to the building, enter "N/A" for not applicable.*



Item C3.e. Enter the lowest elevation of machinery and/or equipment such as furnaces, hot water heaters, heat pumps, air conditioners, and elevators and their associated equipment in an attached garage or enclosure or on an open utility platform that provides utility services for the building. If the machinery and/or equipment is mounted to a wall, pile, etc., enter the platform elevation of the machinery and/or equipment. Indicate machinery/equipment type in the Comments area of Section G or Section D, as appropriate. *If this item does not apply to the building, enter "N/A" for not applicable.*

Items C3.f-g. Adjacent grade is defined as the elevation of the ground, sidewalk, patio slab, or deck support immediately next to the building. For Zone AO, use the natural grade elevation, if available. This measurement must be to the nearest tenth of a foot (nearest tenth of a meter, in Puerto Rico) if this certificate is being used to support a request for a LOMA or LOMR-F.

Items C3.h-i. Enter the number of permanent openings (flood vents) in the walls supporting the building that are no higher than 1.0 foot above the adjacent grade. Determine the total area of all such openings in square inches (square cm, in Puerto Rico), and enter the total in Item C3.i. If the building has no permanent openings (flood vents) within 1.0 foot above adjacent grade, enter "0" (zero) for each of Items C3.h and C3.i.

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

Complete as indicated. This section of the Elevation Certificate may be signed by only a land surveyor, engineer, or architect who is authorized by law to certify elevation information. Place embossed seal and signature in the box next to elevations in Section C. A flat stamp is acceptable only in states that do not authorize use of an embossed seal over the signature of a professional. You are certifying that the information in Sections A, B, and C on this certificate represents your best efforts to interpret the data available and that you understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001. Use the Comments area of Section D, on the back of the certificate, to provide datum, elevation, or other relevant information not specified on the front.



SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO & ZONE A (WITHOUT BFE)

Complete Section E if the building is located in Zone AO or Zone A (without BFE). Otherwise, complete Section C instead.

Item E1. Select the diagram on pages 6 and 7 that best represents the building; then enter the diagram number. If you are unsure of the correct diagram, select the diagram that most closely resembles the building, or provide a sketch or photograph.

Item E2. Enter the height in feet and inches (meters and centimeters, in Puerto Rico) of the top of the bottom floor (as indicated in the applicable diagram) above or below the highest adjacent grade (HAG). For post-FIRM buildings in Zone AO, the community's floodplain management ordinance requires that this value equal or exceed the base flood depth on the FIRM. Buildings in Zone A (without BFE) may qualify for a lower insurance rate if an engineered BFE is developed at the site.

Item E3. For Building Diagrams 6-8 with "proper openings" (see page 7), enter the height in feet and inches (meters and centimeters, in Puerto Rico) of the next higher floor or elevated floor (as indicated in the applicable diagram) above the highest adjacent grade (HAG). Be sure that you have completed Items C3.h and C3.i on the front of the form to show the number of permanent, proper openings (flood vents) within 1 foot above adjacent grade and the total area of the openings.

Item E4. For those communities where this base flood depth is not available, the community will need to determine whether the top of the bottom floor is elevated in accordance with the community's floodplain management ordinance.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

Complete as indicated. This section is provided for certification of measurements taken by a property owner or property owner's representative when responding to Sections A, B, C (Items C3.h and C3.i only), and E. The address entered in this section must be the actual mailing address of the property owner or property owner's representative who provided the information on the certificate.

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

Complete as indicated. The community official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. If the authorized community official completes Sections C, E, or G, complete the appropriate item(s) and sign this section.

Check **Item G1.** if Section C is completed with elevation data from other documentation, including elevations obtained from the Community Rating System Elevation Software, that has been signed and embossed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. Indicate the source of the elevation data and the date obtained in the Comments area of Section G. If you are both a community official and a licensed land surveyor, engineer, or architect authorized by law to certify elevation information, and you performed the actual survey for a building in Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/A1-A30, AR/AE, AR/AH, or AR/AO, you must also complete Section D.

Check **Item G2.** if information is entered in Section E by the community for a building in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

Check **Item G3.** if the information in Items G4.-G9. has been completed for community floodplain management purposes to document the as-built lowest floor elevation of the building. Section C of the Elevation Certificate records the elevation of various building components but does not determine the lowest floor of the building or whether the building, as constructed, complies with the community's floodplain management ordinance. This must be done by the community. Items G4.-G9. provide a way to document these determinations.

Item G4. Permit Number. Enter the permit number or other identifier to key the Elevation Certificate to the permit issued for the building.

Item G5. Date Permit Issued. Enter the date the permit was issued for the building.

Ex 13.

There are potential issues with the previous mapping efforts for the Smith Canal and the Calaveras River South Bank west of Interstate 5 and the Special Flood Hazard A zone may remain unless additional measures are undertaken to address residual flooding, such as larger pumps or detention requirements. The District should investigate with FEMA whether there are issues and plan accordingly for its remediation if required.

The Yosemite Pump Station is outside of the jurisdiction and boundary of RD 1614. The Interior drainage should have analyzed with Calaveras River South Bank west of Interstate 5. Apparently, this was not done and it is possible that this is the source of flooding that caused the SFHA a zone within RD1614 which is the lowest area in the system. It is unclear if a PAL agreement was issued or if the required work was completed.

At the last meeting, the Engineer stated that the previous Kjeldsen, Sinnock & Neudeck, Inc., "Interior Drainage Analysis Tributary of Smith Canal," 2010 was a draft and not suitable to be updated for a FEMA submittal. SFAFCA had prepared a more detailed analysis used for the CLOMR that required updating to reflect the Wisconsin Pump upgrade (SJAFCA Smith Canal 100-yr Interior Drainage Analysis dated 2/16/17 (170216 PBI IDA). It was proposed that this analysis be used for the Districts LOMR and that KSN provide the (170216 PBI IDA) and review with Trustee Gulli and Ridgeline Engineering to consider its suitability for the Districts LOMR. The review has not taken place, however Trustee Gulli has reviewed the 170216 PBI IDA and has some concerns regarding the methodology and conclusions.

FEMA requires any area "with greater than 1 ft. of flooding to be shown as an AH Areas with a 1% annual chance of shallow flooding, usually in the form of a pond, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones."

The enclosed residual floodplain EX 14-15 indicate that the street network is such that it will store residual flooding in a uniform way as if the land were basically level and the water will spread out throughout the entire basin. The Attachment 2 indicates that the Eastern boundary is elevation 20 and the Western Boundary is Elevation 0. All the storm Drains Flow from East to West. Based on my experience last year with Terminous Tract, which also has 20 ft. of fall from East to West the water will back near the pump station (EX 50). It took months to pump off the Jan 3rd 2017 storm on Terminous. Fortunately, no homes or structures with the residual floodplain only sod fields planted by farmers aware of flood risk (note that the Terminous purchased a new pump to mitigate the flooding impacts). This is not true for Reclamation District 1614 and people's lives are at stake and if a pump is required it should be considered.

The CLOMR submittal included SJAFCA's Smith Canal 100-yr Interior Drainage Analysis dated 2/16/17 (170216 PBI IDA) which should be clarified with FEMA or reviewed in detail.

Following are my preliminary questions and concerns with the IDA, the CLOMR and obtaining a LOMR.

1. The Yosemite Pump Station is outside of the jurisdiction and boundary of RD 1614. The Interior drainage should have analyzed with the south bank of the Calaveras River System. Apparently, this was not done.
2. The 170216 PBI IDA analysis does consider the Yosemite Pump Station and others that drain 2,600 acres to the East of the District. The resulting residual flood plain and indicates areas greater than 1 ft. of depth. (See Figure 16) Per FEMA this Drainage has the potential to flow to the low point in the system at Wisconsin Pumps. The analysis indicates that at least 147-acre ft. of residual flooding to the East will result.
3. This interior drainage should have been considered when FEMA reviewed the Calaveras River South Bank Provisionally Accredited Levee system (PAL). The PAL required that "Test Records of Mechanized Interior Drainage System" be submitted. Kathy Schaefer stated on 4/10/08 that she "**was not accepting the PAL for the Calaveras River South Bank West of 15. Dave Jack and Pascal please take the appropriate action**". *"I would like to have the maps revised to show the left bank of the Calaveras River East of 15 as a PAL levee. The left bank of the Calaveras River West of the 15 should be deaccredited and the SFHA should be drawn to reflect the SFHA identified in the previous message."* (see enclosed LOMR and FEMA Correspondence.)
4. The 170216 PBI IDA assumes that streets will hold a 100-year storm storage at 1 ft. or less and not over flow to the low point in the system. This appears to be based on a Technical Memo which was prepared for SJAFCA 10/12/10 which states that "It was assumed that approximately one-half of the street networks could fill up with water to a depth of one foot before the water would inundate any buildings." The IDA used "Professional judgement was used to determine the pond boundaries"
5. The 170216 PBI IDA uses the full capacity of all pumps stations, without regard for pump inefficiencies, breakdowns or high head conditions. The Calaveras River PAL submittal required "Test Records of Mechanized Interior Drainage System" be submitted. The Corps of Engineers Manual recommends the use of back up pump.
6. The current FEMA Map indicates a floodplain that could not be based on a levee failure and resembles an interior drainage source of flooding from the East. FEMA comments indicate they are aware of the issue.
7. The 170216 PBI IDA does not consider the storm conveyance system which should be reviewed to determine where it will underflow and overflow.
8. FEMA raised the issue of the low point of the system during their review of the CLOMR. See enclosed 161214STARR and 170100 STARR correspondence just prior to the drainage analysis. Although the CLOMR was issued it is not entirely clear whether or not they have accepted this analysis. FEMA stated on 1/1/17 that "we expect the interior drainage from the Calaveras River levee and the Smith Canal Levee to be located at the low lying area (near the intersection of Clement and Wisconsin Street)"
9. The worst storms I have seen that resulted in street flooding were 5/18/19 and 5/20/19 total 2.52 inches (2 days). 12/29/22 to 1/1/23 total =1.38 inches in 3 days. According to the internet the greatest recorded 1 day total was 3.1 inches in 9/13/18. The 1.38 inches in 3 days resulted in street flooding greater than 1 ft. at Alpine and Delano.

10. The 100 year is 3.36" for a 24-hour duration which is a substantial increase from recent events.
11. The Smith Canal at Yosemite Lake appeared to be 1 to 2 ft. higher than the San Joaquin River CDEC information for the RRI gauge on 2/9/24 and 2/19/24.
12. The Yosemite Lake Pump (4) discharge pipes are at about an invert of elevation 7 (NAVD 88) and flow backward into the sump at high water greater than 7.
13. The Districts 2012 5-yr plan and Profile included the Calaveras River South Bank west of Interstate 5 and indicated approximately 1,800 ft. of levee that has areas below the 3 ft. of required freeboard west of I-5.

The District should consider requesting clarification from FEMA as our constituents have been waiting a long time to remove the SFHA. If indeed there are issues that need to be addressed it should be done now rather than spending significant time and expense to find out later. It appears to a Licensed Engineer Reclamation District Trustee to be fixable, albeit requiring additional expenditures.

Thank You



Dominick Gulli PE, PLS
Trustee



Exhibits:

- (EX 10) January 2017 STARR Memo Calaveras River Interior Drainage.
- (EX 20) 12/14/16 STARR Memo
- (EX 30) 4/10/08 Calaveras River Provisional Levee Accreditation Information
- (EX 40) 10/12/10 KSN Memorandum to PBI Interior Drainage on Street Storage
- (EX 50) 1/3/23 Residual Flooding at Terminous Tract

11x17

- (EX 14) Figure 14. 100-year Residual Floodplain without upsized Wisconsin Pump Station
- (EX 15) Figure 15. 100-year Residual Floodplain with upsized Wisconsin Pump Station
- (EX 16) Figure 16. 100-year Residual Floodplain with upsized Wisconsin Pump Station
- (Attachment 2) Certified Smith Canal Ground topography and 100-year residual floodplain. Topographic Figure 15. 100-year Residual Floodplain with average ponding areas.
- (EX 13) 2012 RD 1614 5-year plan and profile.

Guidance on application of the Natural Valley LAMP Procedure for the Smith Canal

1. Calaveras River Interior Drainage

- a. The area near the intersection of Clement Ave and Wisconsin Ave are the lowest ground elevation points in the levee protected area for the Calaveras Levee as well as the Smith Canal levee embankments (please see Figure 2).

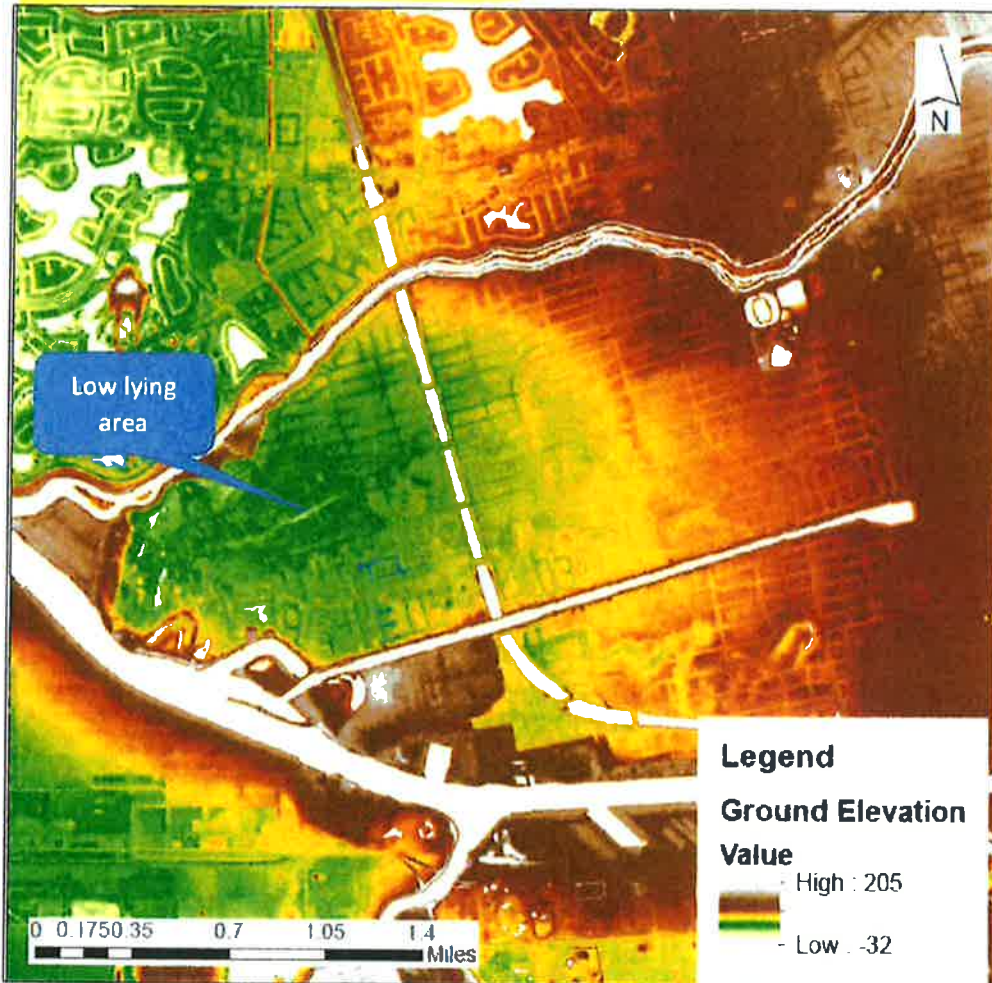


Figure 1: Low lying area near Clement Ave and Wisconsin Ave

- b. While we do not have the Calaveras River levee accreditation interior drainage floodplain, we expect it to be located in this low lying area.
- c. The overland runoff from Smith Canal will also end up in this low lying area.
- d. The analysis for Smith Canal needs to take into account the interior drainage from both levees and the respective pump systems.

2. Storm “Sewersheds” & their Storage

- a. The SJAFCA has provided FEMA with the “storm sewersheds” for the area immediately north of the Smith Canal (please see Figure 3).

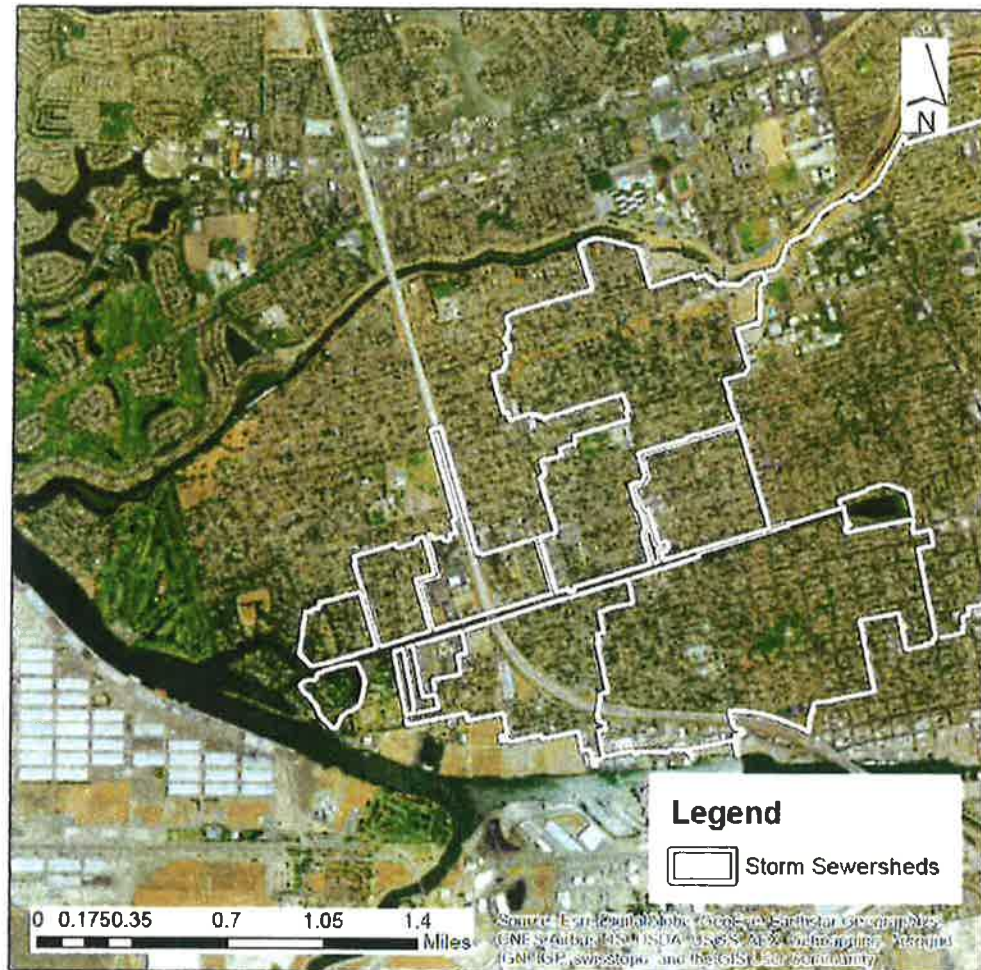


Figure 2: Storm Sewersheds

- b. FEMA understands that the storm sewer network is designed for a 10-year event. As such it may or may not offer significant storage.
- c. It is recommended that one storm sewershed be chosen and the storage in it be computed. The storage will be the volume stored between the invert of the lowest storm sewer pipe and the elevation of the lowest inlet to the storm sewer system.
- d. Based on the storage computed in 2c (above) it can be determined if the storage is significant and worth taking into account as considering it will increase the level of effort.

- d. It is recommended that the outflow hydrographs be computed as follows:
- i. The outflow from the Canal to each sewershed should be computed separately.
 - ii. For the portion of the Canal south of each sewershed, the volume stored in the Canal above the elevation of the landward toe of the levee needs to be computed.
 - iii. The elevation between the levee landward toe and the water-surface elevation needs to be computed.
 - iv. The flow from each portion of the canal needs to be computed using the weir equation where the weir is assumed to be at the levee landward toe elevation with the head computed in 3.d.iii. (above).
 - v. The outflow is assumed to occur for a suitable time step (1 min, 5 min etc.) and the volume of outflow computed.
 - vi. Based on the outflow volume the remaining volume in the Canal is computed as well as the new water-surface elevation.
 - vii. Steps (iv), (v), and (vi) are repeated until the Canal volume above the landward toe elevation is drained.
 - viii. Using the time step and outflows computed above, outflow hydrographs are developed for each portion of the Canal south of the sewersheds.



MEMORANDUM

DATE: 12/14/2016
FOR: Case Folder 16-09-2067R
FROM: STARR II
SUBJECT: Review of Additional Information Received on 7/11/2016

Summary of Comments from the 316-AD letter dated June 2, 2016. The comments are shown in black and the review comments are shown in red.

1. The proposed project is using a revised base (1-percent-annual-chance) flood elevation for the San Joaquin River delta. Please provide the historic gage data information referenced in the documented titled, "San Joaquin River Delta Base Flood Elevation Refinement Stage Frequency Analysis," dated September 2, 2010, as supporting information for your analysis.

Satisfied. Data was received.

2. The submitted geotechnical certification letter entitled "Smith Canal, Levee Analysis, SJAFCA – Smith Canal Gate Project, Stockton, California", prepared by Kleinfelder, Inc., dated March 3, 2016, references data and analyses for the Smith Canal levee embankments from the CA DWR Urban Levee Evaluation (ULE) project as part of the certification. Please submit all relevant data and analyses from the ULE project.

Satisfied. Data was received.

3. The submitted geotechnical certification statement did not include a portion of the northern levee embankment along Smith Canal (designated as levee reach C3 from the ULE project). Please submit a revised geotechnical certification statement to include this levee reach, and any additional data as appropriate.

Satisfied. According to the explanation and data that was received, levee reach C3 from the ULE project was analyzed as part of reach C1.

4. The submitted geotechnical certification statement references USACE and FEMA criteria. Please identify any specific documents and engineering manuals as part of the certification.

Satisfied. Documents and manuals used for certification were identified.

5. The submitted interior drainage analysis references the San Joaquin County hydrology manual as the source of rainfall depths used in the analysis. Please provide a copy of the hydrology manual as supporting information for your analysis.

Satisfied. Hydrology manual was provided.

MEMORANDUM

6. The submitted interior drainage analysis assumed a 4-percent-annual-chance rainfall depth on the interior side of the Smith Canal levee embankments, coincident with a peak high tide event on the San Joaquin River Delta resulting in the gate structure being closed. Please submit an interior drainage analysis with a base flood rainfall depth on the interior side of the levee embankments and the proposed gate structure open.

This needs further discussion.

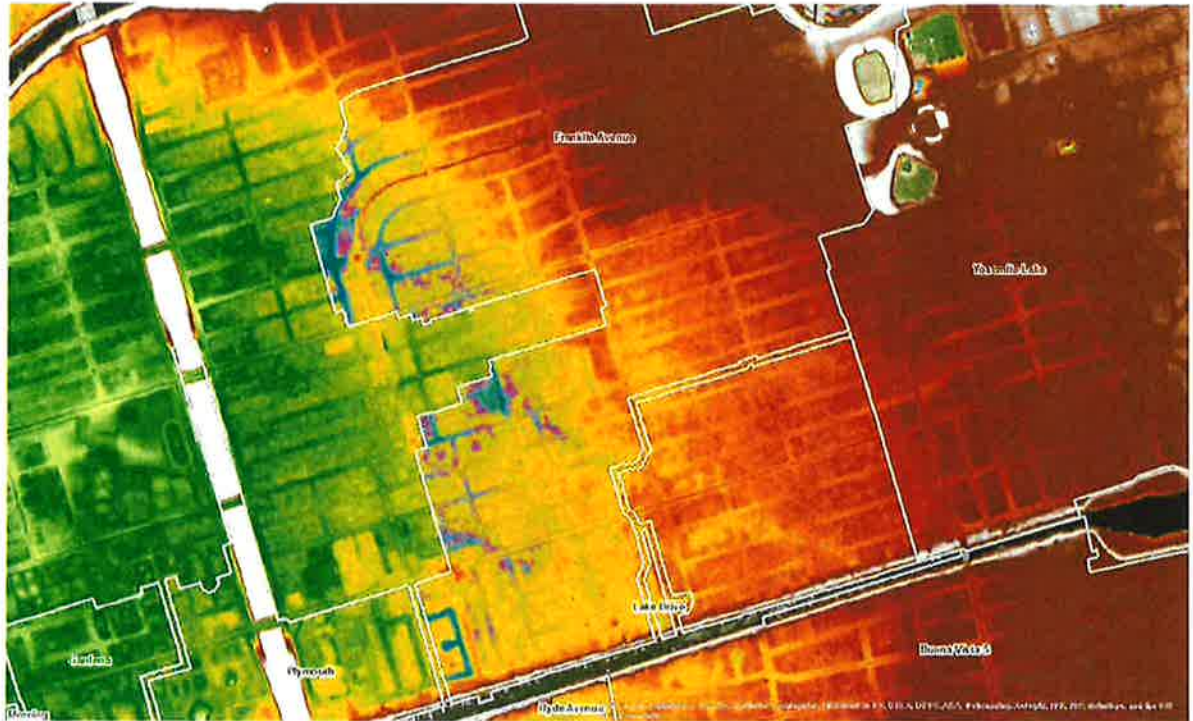
- a. The pumps and gravity drains cannot discharge the entire 100-year runoff. The submitted interior drainage analysis states that the volume of runoff that cannot be discharged will be stored in the streets (and will be less than 1 foot deep). The submitted analysis considers the calculated runoff (listed as "Ponding Beyond Pump Capacity" in the technical memorandum) as "in place storage", and that it will not flow and collect in the lowest elevation of the sub-basin. This is a critical assumption.

Without this assumption, a preliminary analysis using calculated runoff versus available storage, of two interior sub-basins (Gardena and Franklin Avenue) shows that the calculated runoff could collect and pond in low areas and result in flooding (blue areas represents areas greater than 1-foot in flood depth, and purple areas represent flooding that is less than 1-foot in depth). Any flooding that is greater than 1-foot in depth will need to be shown as SFHA.



MEMORANDUM

- b. The sub-basin boundaries appear to be incorrect in some locations when compared against the terrain data. For example in the Franklin Avenue sub-basin there appears to be an abandoned railroad embankment that divides the sub-basin. Revised sub-basin boundaries and analyses may be required and the terrain data used to develop the sub-basin boundaries should be submitted. Additional information such as storm sewer network drainage patterns or storm sewer modeling could be submitted to support their sub-basin boundaries, and their analyses.



- c. Need a digital copy of the HEC-HMS model.

7. Please submit documentation of the individual legal notices that were sent to property owners who would be affected by any increases in width and/or shifting of the floodplain of the base flood. Legal notice may take the form of certified mailing receipts, or certification that all property owners have been notified with an accompanying mailing list and a copy of letter sent, or a copy of a notice placed in a newspaper. Legal notices should be completed by the community or the community should be copied on the notices. Examples of individual legal notices can be found on pages 17 through 18 of the instructions for the MT-2 application/certification forms which can be found at <https://www.fema.gov/media-library/assets/documents/1343>.

Needs further discussion. PON was not submitted. Instead documentation of public outreach material was submitted. However notifications may not be needed if there is no BFE or SFHA increases.



MEMORANDUM

8. The CLOMR request will be processed by FEMA only after FEMA receives documentation from the requestor that demonstrates compliance with the Endangered Species Act (ESA). For projects that are not constructed, funded or permitted by a federal agency, the requestor must demonstrate ESA compliance by submitting to FEMA written justification that a "Take," meaning to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct, has no potential to occur to threatened and endangered species present in the county as a result of the project. If a project has the potential to "Take" listed species, an Incidental Take Permit may be submitted with justification that the project is the subject, or is covered by the subject, of the permit.

For projects with federal construction, funding, or permitting, a "not likely to adversely affect" determination with concurrence from the Services, a "No Effect" determination from the federal action agency, or other approval from the Services is acceptable documentation of ESA compliance.

Additional information regarding ESA compliance related to Letters of Map Change (LOMCs) can be found at <https://www.fema.gov/compliance-endangered-species-act-letters-map-change> and <https://www.fema.gov/media-library/assets/documents/116871>.

Satisfied.

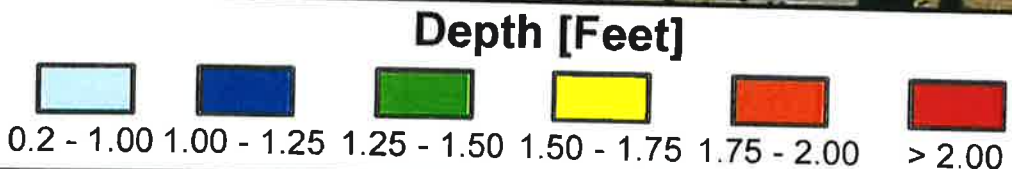


Wisconsin Pump Station
at Current Capacity

PETERSON . BRUSTAD . INC
ENGINEERING . CONSULTING

1180 Iron Point Rd., Suite 260
Folsom, CA 95630

Phone: (916) 608-2212
Fax: (916) 608-2232



San Joaquin Area Flood Control Agency


**100-Year Residual Floodplain
Under Current Conditions**

FIGURE
14



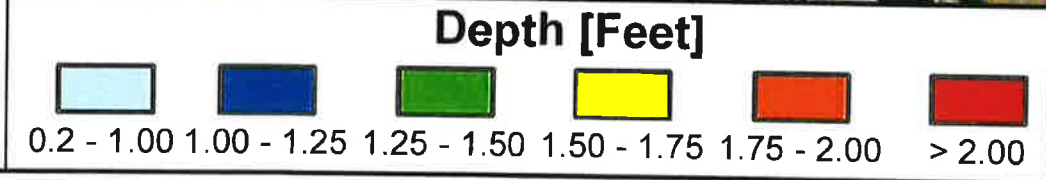
Wisconsin Pump Station
at 66 cfs Capacity

PETERSON . BRUSTAD . INC
ENGINEERING . CONSULTING



1180 Iron Point Rd., Suite 260
Folsom, CA 95630

Phone: (916) 608-2212
Fax: (916) 608-2232



San Joaquin Area Flood Control Agency

**100-Year Residual Floodplain with
Upsized Wisconsin Pump Station**

FIGURE
15

ITEM 11(b)(c)

Two agenda Items for RD 1614 December 2, 2024 meeting.

1) SJAFCA 2/16/17 Smith Canal 100-yr Interior Drainage Analysis dated 2/16/17

On 11/4/24 the Reclamation District 1614 (District) Board was presented the SJAFCA 2/16/17 Smith Canal 100-yr Interior Drainage Analysis dated 2/16/17 (170216 PBI IDA).

It is requested that SJAFCA have the Licensed Engineers and KSN (Erik Almas) who prepared the report make a presentation at a District Meeting, with our Consulting Engineer to review the model inputs/outputs and address concerns and questions of the District. Reclamation District 1614 is the legal authority/entity for the Operation and Maintenance of the levees and the interior pump stations within most the existing A Zone Flood Insurance Rate Map and will be required to fully understand the 170216 PBI IDA in order sign the overview and concurrence form for the LOMR.

The District’s LOMR Case 22-09-1743P was put on hold due to FEMA’s request;

“Our review revealed the submitted interior flooding analysis were draft analyses and did not include the final capacity of the Wisconsin Pump Station after the upgrade. Please verify and provide updated interior flooding analysis certified by a registered professional engineer.”

The SJAFCA 170216 PBI IDA has not been updated and will receive the exact comment when submitted with the LOMR as well as additional concerns from FEMA detailed below.

Enclosed is the 3/1/24 Trustee Memo with the potential issues of the LOMR that are to be addressed by SJAFCA. If the SJAFCA is incapable of presenting the additional data and addressing the concerns the District should consider forwarding the concerns to FEMA directly to assure an accurate Flood Map for our constituents.

As an addendum to the 3/1/24 memo, **the Starr II and FEMA January 2017 memo**, issued after the SJAFCA 2/16/17 Smith Canal Interior Drainage analysis indicates that the interior drainage must consider the “*flow from Smith Canal into the storm sewersheds*” for (i.) *the Gate Open with King Tide and 25 year storm*, (ii) *Gate closed and a 1% annual chance runoff into smith canal.* “

SJAFCA, PBI and KSN did this analysis in August of 2015, enclosed is the correspondence with REDACTIONS. What is being submitted to FEMA in this regard??

2) Tide Readings through high tide events and interior rainstorms correlated to nearest CDEC Station Stages.

Thank You

Dominick Gulli
209 649 4555

Attach: 8/17/15 Residual Flooding due to levee break and interior drainage correspondence and exhibits.

INDEX TO ADMINISTRATIVE RECORD OF PROCEEDINGS

SJAFCA Smith Control Gate CEQA Cases

APCOA v. SJAFCA , San Joaquin County Case No. STK-CV-UWM-2015-0011847

Gulli v. SJAFCA , San Joaquin County Case No. STK-CV-UWM-2015-0011880

Volume No.	Tab No.	Date	Description	Bates Range
		8/17/2015	Attachment: Delta Council Agenda Item 13 Report concerning Appropriate Land Uses to Reduce Flood Risk in San Joaquin County	SJA-CEQ-05127 - SJA-CEQ-05131
Volume 15	0302	8/17/2015	Email between PBI, Kleinfelder, and SJAFCA regarding SC In Water Drilling Plan - Review comments from Ed Hultgren	SJA-CEQ-05132 - SJA-CEQ-05132
Volume 15	0303	8/17/2015	Email between DWR staff and SJAFCA regarding IPE substitution	SJA-CEQ-05133 - SJA-CEQ-05133
Volume 15	0304	8/17/2015	Email between PBI, Kleinfelder, and SJAFCA regarding SC In Water Drilling Plan - Review comments from Ed Hultgren	SJA-CEQ-05134 - SJA-CEQ-05134
Volume 15	0305	8/17/2015	Email between SJAFCA and PBI concerning runoff and residual flooding	SJA-CEQ-05135 - SJA-CEQ-05140
Volume 15	0306	8/17/2015	Email between SJAFCA and PBI concerning residual flooding map	SJA-CEQ-05141 - SJA-CEQ-05146
		8/17/2015	Attachment: Interior Flood Depths	SJA-CEQ-05147 - SJA-CEQ-05147
		8/17/2015	Attachment: Spreadsheet of Interior Flooding	SJA-CEQ-05148 - SJA-CEQ-05148
Volume 15	0307	8/17/2015	Email between Juan Neira and Megan Smith regarding Smith Canal - DEIR comment from Central Valley Flood Protection Board (CVFPB)	SJA-CEQ-05149 - SJA-CEQ-05149
Volume 15	0308	8/17/2015	Email between PBI, Kleinfelder, and SJAFCA regarding Smith Canal Geological Survey Permit from SLC	SJA-CEQ-05150 - SJA-CEQ-05150
		8/17/2015	Attachment: Letter from Richard Greenwood transmitting Geological Survey Permit for SJAFCA	SJA-CEQ-05151 - SJA-CEQ-05169
Volume 15	0309	8/17/2015	Email between SJAFCA, ICF, and PBI regarding Smith Canal - DEIR comment from CVFPB	SJA-CEQ-05170 - SJA-CEQ-05170
		8/17/2015	Attachment: Letter from CVFPB to SJAFCA regarding Smith Canal Gate DEIR	SJA-CEQ-05171 - SJA-CEQ-05172
Volume 15	0310	8/14/2015	Email between PBI and SJAFCA regarding comment letters for Smith Canal DEIR	SJA-CEQ-05173 - SJA-CEQ-05173
Volume 15	0311	8/14/2015	Email from Megan Smith to Dave Murbach and Juan Neira regarding comment letters for Smith Canal DEIR	SJA-CEQ-05174 - SJA-CEQ-05174
Volume 15	0312	8/14/2015	Email between PBI and SJAFCA regarding Updated Smith Canal UFRR Application	SJA-CEQ-05175 - SJA-CEQ-05176
Volume 15	0313	8/14/2015	Email between PBI and SJAFCA regarding Smith Canal UFRR Application	SJA-CEQ-05177 - SJA-CEQ-05179
		7/21/2015	Attachment: Email between PBI and Seth Wurzel regarding SJAFCA Final UFRR Application	SJA-CEQ-05180 - SJA-CEQ-05183
		7/21/2015	Attachment: Executive Summary and Attachment E updated language	SJA-CEQ-05184 - SJA-CEQ-05185
		7/21/2015	Attachment: Email between Seth Wurzel and PBI regarding SJAFCA Final UFRR Application	SJA-CEQ-05186 - SJA-CEQ-05186
		8/14/2015	Attachment: Figure A-5 Handicap Fishing Platform	SJA-CEQ-05187 - SJA-CEQ-05187

PBI "Almost Worst Case"

Watershed	Total Runoff (ac-ft)	Street Detention (ac-ft)	Net Runoff (ac-ft)	Net Runoff (cu yds)
Smith Tract				
Buena Vista North	24.4	12.0	12.4	20,005
Lake Drive	0.8	0.4	0.4	645
Franklin	83.1	42.0	41.1	66,308
Plymouth	15.0	0.0	15.0	24,200
Gardena	9.7	0.0	9.7	15,649
Moreing	6.1	0.0	6.1	9,841
Yosemite Lake (half)	228.6	96.5	132.1	213,121
<i>Subtotal:</i>	<i>368</i>	<i>151</i>	<i>217</i>	<i>349,771</i>
<i>Water in Canal (at Elev 8.0):</i>			<i>194</i>	<i>312,987</i>
			411	662,757
Weber Tract				
Yosemite Lake (half)	228.6	96.5	132.1	213,121
Buena Vista South	116.3	23.5	92.8	149,717
Ryde Avenue	41.6	0.0	41.6	67,115
Kingsley Avenue	4.3	1.8	2.5	4,033
Pinetree Drive	1.9	0.8	1.1	1,775
Occidental Avenue	1.4	0.6	0.8	1,291
Pixie Woods	5.1	2.1	3.0	4,840
<i>Subtotal:</i>	<i>399</i>	<i>125</i>	<i>274</i>	<i>441,892</i>
<i>Water in Canal (at Elev 8.0):</i>			<i>194</i>	<i>312,987</i>
			468	754,879

SJA-CEQ-05147

From: Roger Churchwell
To: Jim Giottonini; Juan Neira; dpeterson
CC: Michael Rossiter
Sent: 8/17/2015 8:25:26 PM
Subject: Re: FW: FEMA

Why did you close the gate at elevation 8? This is a change in the original analysis.

>>> dpeterson 8/17/2015 11:15 AM >>>

Guys,

Attached is a map of the 'almost worst case' residual flooding. It represents the final resting place for the water only, and doesn't show the 2D effects of the flood wave from the break on the north bank. The south bank flooding is representative, however. **The table shows the relative contributions of storm drain and levee break volumes.**

This analysis could be a phd thesis, and may end up that way. But what you are seeing here is a quick answer. We could look at concurrent event probabilities to reduce the frequency of the storm event concurrent with the 100yr Delta stage event, plus we could look more at low tides associated with high tides to refine where the gate closes.

Dave Peterson, P.E.
Peterson Brustad Inc.
1180 Iron Point Road, Suite 260
Folsom, CA 95630
Office (916) 608-2212 ex 122
Fax (916) 608-2232
Cell (916) 792-6285

From: Michael Rossiter
Sent: Monday, August 17, 2015 11:05 AM
To: dpeterson
Subject: FW: FEMA



Mike Rossiter, PE, CFM

Peterson Brustad, Inc.
1180 Iron Point Rd., Suite 260
Folsom, CA 95630
Office: (916) 608-2212 ext. 127
Cell: (916) 416-6599
Fax: (916) 608-2232

From: Erik Almaas [<mailto:realmaas@ksninc.com>]
Sent: Monday, August 17, 2015 10:24 AM
To: Michael Rossiter

Cc: Chris Neudeck
Subject: RE: FEMA

Mike,

Attached is an updated exhibit and a spreadsheet that tabulates the contributing runoff.

Thanks.

K | **KJELDSSEN** Erik E. Almaas, P.E.
S | **SINNOCK** Civil Engineer
N | **NEUDECK** 711 N. Pershing Ave. Stockton CA 95203
INC. | Civil Engineers 209 946-0268 | fax: 209 946-0296 |
and Land Surveyors ealmaas@ksninc.com | <http://www.ksninc.com>

Warning:

Information provided via electronic media is not guaranteed against defects including translation and transmission errors. If the reader is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this information in error, please notify the sender immediately.

From: Michael Rossiter [<mailto:mrossiter@pbieng.com>]
Sent: Monday, August 17, 2015 8:42 AM
To: Erik Almaas <ealmaas@ksninc.com>
Subject: RE: FEMA

Ok, thanks Erik.

Mike Rossiter, PE, CFM

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From: Erik Almaas [<mailto:ealmaas@ksninc.com>]
Sent: Monday, August 17, 2015 8:40 AM
To: Michael Rossiter
Subject: RE: FEMA

I should have something by noon.

Thanks.

K KJELDSSEN Erik E. Almaas, P.E.
S SINNOCK Civil Engineer
N NEUDECK 711 N. Pershing Ave. Stockton CA 95203
INC. Civil Engineers and Land Surveyors 209 946-0268 | fax: 209 946-0296 |
ealmaas@ksninc.com | <http://www.ksninc.com>

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Sent: Monday, August 17, 2015 8:37 AM
To: Erik Almaas <ealmaas@ksninc.com>
Subject: FW: FEMA

Hi Erik-

Dave is asking for a status update for the revised Smith Canal interior drainage map. Do you have an ETA for this?

Thanks,

Mike Rossiter, PE, CFM

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Office: (916) 608-2212 ext. 127

Cell: (916) 416-6599

Fax: (916) 608-2232

From: dpeterson
Sent: Monday, August 17, 2015 8:30 AM
To: Michael Rossiter
Subject: FW: FEMA

Mike, is this almost done?

Is what done?

Dave Peterson, P.E.

Peterson Brustad Inc.

1180 Iron Point Road, Suite 260

Folsom, CA 95630

Office (916) 608-2212 ex 122

Fax (916) 608-2232

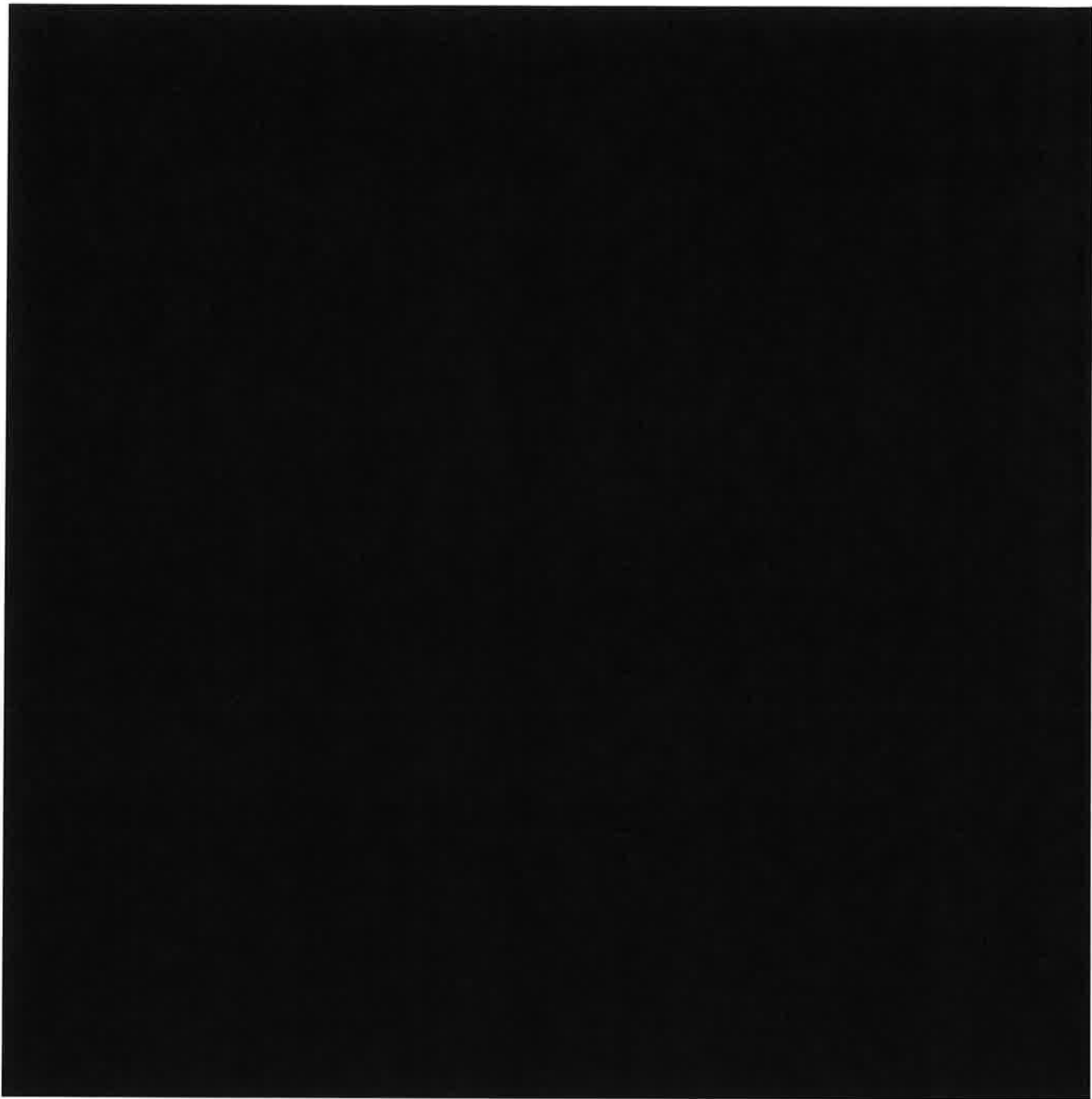
Cell (916) 792-6285

?





Thane,



From: dpeterson
To: Jim Giottonini; Juan Neira; Roger Churchwell
CC: Michael Rossiter
Sent: 8/17/2015 6:18:34 PM
Subject: FW: FEMA
Attachments: ATT00002.pdf; ATT00003.xlsx

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Office (916) 608-2212 ex 122

Fax (916) 608-2232

Cell (916) 792-6285

From: Roger Churchwell [<mailto:Roger.Churchwell@stockongov.com>]
Sent: Thursday, August 13, 2015 2:31 PM
To: dpeterson <dpeterson@pbieng.com>; Jim Giottonini <Jim.Giottonini@stockongov.com>; Thane Young <tyoung@vsadc.com>
Cc: Scott Shapiro <sshapiro@downeybrand.com>; Dave Murbach <DMurbach@pbieng.com>; Michael Rossiter <mrossiter@pbieng.com>
Subject: RE: FEMA

WHAT DOES THIS SAY?







ITEM 12

RD 1614: MASTER CALENDAR

JANUARY

FEBRUARY

- Send out Form 700s, remind Trustees of April 1 filing date
- Update Document Retention Policy

MARCH

- Evaluation Review of Employees

APRIL

- April 1: Form 700s due
- Biannual Town Hall Meeting

MAY

- Draft Budget

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 Annual Budget.
- Reminder that Liability Insurance Expires Annually the end of July.
- Adopt Annual CEQA Exemption for levee maintenance
- Adopt Annual Levee Subventions Agreement Resolution
- Notice for Appropriations Limit

JULY

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

AUGUST

- August 1: Deadline to certify assessments for tax-roll and deliver to County (duration of current assessment: no expiration).
- 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*)
- Employee Embezzlement Policy Expires this Month.
- Renewal of Insurance
(Crime policy does not come up for renewal until 8/22/2026)

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*).
- Review Status of Encroachment Permit request from Randy Pierson for fence at corner of Del Rio Ave and Kirk Ave.

OCTOBER

- Publish Notice of Election, even numbered years (once per week, 4 times, commencing at least 1 month prior to election).
- Newsletter
- Biannual Town Hall Meeting.

NOVEMBER

- Election: to be held date selected by Board each even-numbered year.

DECEMBER

- New Trustee(s) take office, outgoing Trustee(s) term(s) end on first Friday of each even-numbered year.
- Follow up on Smith Canal Proposition 218 Reimbursement for costs advanced to SJAFCA.
- Election of Board officers (Election years)

Term of Current Board Members:

Name	Term Commenced	Term Ends
Christian Gaines	First Friday 12/2022	First Friday of 12/2026
Kevin Kauffman	First Friday 12/2020	First Friday of 12/2024
Dominick Gulli	First Friday 12/2020	First Friday of 12/2024

No Expiration on Assessment

Emergency Operations Plan Review – September 2022.

Reclamation District Meetings

- **First Monday of each month, at 2:00 P.M.**
at the offices of
Neumiller &Beardslee
3121 W. March Lane, Suite 100
Stockton, California 95219

ITEM 15

Reclamation District 1614
November 2024 Bills

NAME	INVOICE #	AMOUNT	TOTAL \$	WARRANT #	CHECK #	SUBVENTION FUND
Kevin Kauffman - December 2, 2024 Meeting		\$100.00		6390		
			\$100.00			
Christian Gaines - December 2, 2024 Meeting		\$50.00		6391		
Replace outlawed warrant from 3/2024		\$50.00				
			\$100.00			
Dominick Gulli - December 2, 2024 Meeting		\$50.00		6392		
Replace outlawed warrant from 3/2024		\$50.00				
			\$100.00			
Rhonda Olmo		\$1,596.51		6393		
			\$1,596.51			
Neumiller & Beardslee	351297	\$5,090.98		6394		
			\$5,090.98			
Kjeldsen, Sinnock & Neudeck, Inc.	38899	\$1,556.80		6395		
	38900	\$902.50				
	38901	\$436.00				
	38902	\$373.75				
	38903	\$1,008.00				
	38904	\$30,084.06				
	38905	\$2,805.75				
	39107	\$2,213.25				
	39108	\$524.75				
	39109	\$1,312.25				
	39110	\$6,412.75				
	39111	\$135.00				
			\$47,764.86			
Reclamation District 1614 Replenish Checking Account		\$25,000.00		6396		
			\$25,000.00			

Reclamation District 1614
November 2024 Bills

Delk Pest Control	252200	\$220.00		6397	
			\$220.00		
Holt Repair & Mfg Inc.	13473	\$5,430.00		6398	
			\$5,430.00		
Abel Palacio - October Payroll		\$1,887.12			Direct Deposit
Abel Palacio - November Payroll		\$1,197.87			
			\$3,084.99		
State of California Payroll Taxes - October		\$57.25			online
State of California Payroll Taxes - November		\$436.85			
			\$494.10		
Federal Government Payroll Taxes - October		\$555.26			online
Federal Government Payroll Taxes - November		\$31.71			
			\$586.97		
ADP - Period Ending 10/31/24		\$132.25			online
			\$132.25		
T-Mobile		\$111.78			online
			\$111.78		
Comcast		\$142.16			online
			\$142.16		
PG&E		\$1,918.57			online
			\$1,918.57		
Visa		\$997.75			online
			\$997.75		

WARRANT TOTAL:	\$85,402.35
CHECKING TOTAL:	\$7,468.57
TOTAL BILLS PAID	\$92,870.92