



REGULAR BOARD MEETING

SEPTEMBER 20, 2022



STOCKTON EAST WATER DISTRICT

PROVIDING SERVICE SINCE 1948

www.sewd.net

DIRECTORS

Richard Atkins
Vice President
Division 1

Andrew Watkins
President
Division 2

Alvin Cortopassi
Division 3

Melvin Panizza
Division 4

Paul Sanguinetti
Division 5

Loralee McGaughey
Division 6

Thomas McGurk
Division 7

STAFF

Justin M. Hopkins
General Manager

LEGAL COUNSEL

Jeanne M. Zolezzi
General Counsel

Phone 209-948-0333
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E-mail sewd@sewd.net

6767 East Main Street
Stockton, CA 95215

Post Office Box 5157
Stockton, CA 95205

MEETING NOTICE

THE REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE STOCKTON EAST WATER DISTRICT WILL BE HELD AT 12:30 P.M., TUESDAY, SEPTEMBER 20, 2022 AT THE DISTRICT OFFICE, 6767 EAST MAIN STREET STOCKTON, CALIFORNIA 95215

Assistance for the Disabled: If you are disabled in any way and need accommodation to participate in the meeting, please contact Kristin Carido, Administrative Services Manager (209) 948-0333 at least 48-hours in advance for assistance so the necessary arrangements can be made.

DUE TO COVID-19 STOCKTON EAST WATER DISTRICT BOARD MEETINGS WILL BE AVAILABLE BY TELECONFERENCE.

Please call (425) 436-6336/Access Code: 866228# to be connected to the Regular Board Meeting, to begin at 12:30 p.m.

Agendas and minutes are located on our website at www.sewd.net.

AGENDA

Page No

- A. Pledge of Allegiance (Legal Counsel Zolezzi) & Roll Call**
- B. Consent Calendar (None)**
- C. Public Comment (Non-Agenda Items)**
- D. Scheduled Presentations and Agenda Items**
 - 1. Minutes 09/13/22 Regular Meeting 01
 - 2. Warrants – California Public Employees’ Retirement System 07
 - 3. Stockton East Water District – Professional Services Agreement with CDM Smith for Ozone Study and PER Memo, 09/20/22 09
 - 4. Dr. Joe Waidhofer Drinking Water Treatment Plant – Sodium Hypochlorite Project Monthly Update
 - 5. Stockton East Water District – Bellota Project 100% Design 11
- E. Committee Reports**
 - 1. Eastern San Joaquin Groundwater Authority Board Meeting, 09/14/22 43
 - 2. Eastern Water Alliance (EWA) Meeting/DREAM Monitoring Committee Meeting, 09/14/22 45

F.	Report of the General Manager	
1.	Water Supply Report as of 09/12/22	47
2.	Information Items	
a.	Material Included, but Bound Separately from Agenda Packet:	
1.	<u>San Joaquin County Flood Control & Water Conservation District Advisory Water Commission September 21, 2022 Meeting Cancellation Notice</u>	
2.	<u>ACWA Regions 6 & 7 Two Day Event: Tour: Investments, Innovation & Challenges: Securing A Sustainable Water Supply For San Joaquin Valley Communities And Agriculture & San Joaquin Valley Water Forum, ACWA.com, 10/13/22 & 10/14/22</u>	
3.	<u>California's Drought Regulators Lose Big Case. What It Means For State's Power To Police Water, The Sacramento Bee, 09/14/22</u>	
3.	Report on General Manager Activities	
a.	CVP Water Association – Executive and Financial Affairs Committees Meeting, 09/16/22	49
b.	Stockton Area Water Suppliers (SAWS) Meeting, 09/16/22	51
c.	Stockton East Water District Activities Update	
G.	Director Reports	
H.	Communications	
I.	Agenda Planning/Upcoming Events	
1.	San Joaquin County Office of Emergency Services – Agricultural Drought Task Force Meeting, 10:00 a.m., 09/21/22	
2.	Eastern San Joaquin County Regional Water Coordinating Committee Meeting, 3:00 p.m., 09/21/22	
3.	Stockton East Water District – Recharge Projects Follow-up Discussion, 3:30 p.m., 09/22/22	
4.	East Bay Municipal Utility District – 27 th Annual Pardee BBQ, 11:30 a.m., 10/07/22	53
J.	Report of the Counsel	
1.	CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION Section 54956.9 (2 Cases)	

K. Adjournment

Certification of Posting

I hereby certify that on September 15, 2022 I posted a copy of the foregoing agenda in the outside display case at the District Office, 6767 East Main Street, Stockton, California, said time being at least 72 hours in advance of the meeting of the Board of Directors of the Stockton East Water District (Government Code Section 54954.2).

Executed at Stockton, California on September 15, 2022.



Kristin Carido, Administrative Services Manager
Stockton East Water District

Any materials related to items on this agenda distributed to the Board of Directors of Stockton East Water District less than 72 hours before the public meeting are available for public inspection at the District's office located at the following address: 6767 East Main Street, Stockton, CA 95215. Upon request, these materials may be available in an alternative format to persons with disabilities.

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THE REGULAR MEETING OF THE BOARD OF DIRECTORS
OF STOCKTON EAST WATER DISTRICT WAS HELD AT THE DISTRICT OFFICE
6767 EAST MAIN STREET, STOCKTON, CA
ON TUESDAY, SEPTEMBER 13, 2022 AT 12:30 P.M.

A. PLEDGE OF ALLEGIANCE AND ROLL CALL

President Watkins called the regular meeting to order at 12:30 p.m., and Legal Counsel Zolezzi led the Pledge of Allegiance.

Present at roll call at the District were Directors Cortopassi, McGurk, Sanguinetti and Watkins. Also present were Finance Director Vega, District Engineer Evensen, Administrative Services Manager Carido, Accountant Ram, Legal Counsel Zolezzi and Consultant Barkett. Present at roll call via teleconference were Directors McGaughey and Panizza. Director Atkins was absent. Manager Hopkins was present via teleconference.

B. CONSENT CALENDAR (None)

C. PUBLIC COMMENT

Ana Javid, ACWA Region & Member Engagement Specialist II was present and commented she is attending today to listen to what is going on at Stockton East Water District. President Watkins welcomed Mrs. Javid.

D. SCHEDULED PRESENTATIONS AND AGENDA ITEMS

1. Minutes 09/06/22 Regular Meeting

A motion was moved and seconded to approve the September 6, 2022 Regular Board Meeting Minutes, as presented.

Roll Call:

Ayes: Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nays: None

Abstain: None

Absent: Atkins

2. Warrants

- a. Fund 68 – Municipal & Industrial Groundwater Fund
- b. Fund 70 – Administration Fund
- c. Fund 71 – Water Supply Fund
- d. Fund 89 – Fish Passage Improvements Fund
- e. Fund 91 – Vehicle Fund
- f. Fund 94 – Municipal & Industrial Fund
- g. Summary
- h. Short Names/Acronym List
- i. SEWD Vehicles & Heavy Equipment

Director Sanguinetti inquired on the expense on page 20, line item 164 for Willie Electric Supply Co., for a replacement battery for fluke meter in the amount of \$231.07, adding most of those meters are run by AA batteries. Accountant Ram replied the expense is for one battery pack.

Director Sanguinetti inquired on the expense on page 16, line item 90 for Morgan Tire of Sacramento, Inc., for service call & replace tires on Unit 29/Replace tire on Unit 16 in the amount of \$2,380.85.,

inquiring why we do not buy locally. Manager Hopkins replied the tire shop is located in Stockton however the legal business name is Morgan Tire of Sacramento, Inc.

Director Sanguinetti suggested being more frugal and shopping around, since every \$100 adds up.

A motion was moved and seconded to approve the September 13, 2022 Warrants, as presented.

Roll Call:

Ayes: Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nays: None

Abstain: None

Absent: Atkins

3. Stockton East Water District – Draft 2022/23 Fall/Winter Newsletter
Manager Hopkins provided the Board with a handout of the Draft 2022/23 Fall/Winter Newsletter. President Watkins inquired if there are any comments from the Directors. Discussion followed regarding the SGMA article and figures and potentially adding the term “surface irrigation water”. Legal Counsel Zolezzi commented on double-checking the figures used. Finance Director Vega reported staff will need to get this document to the printer by tomorrow. President Watkins added any comments will need to be provided to staff by tomorrow. This item was for information only.
4. Resolution No. 22-23-11 – 2022 Water Professionals Appreciation Week
Manager Hopkins provided the Board with Resolution No. 22-23-11 – 2022 Water Professionals Appreciation Week. Manager Hopkins reported ACWA has been advertising the upcoming Water Professionals Appreciation Week which takes place the first week of October. Manager Hopkins provided the draft Resolution as it is a way for agencies to publicly recognize the importance of the work that is done at their organizations. The resolution template was provided by ACWA and modified by SEWD. The Resolution is a way to acknowledge the importance of delivering water and requested to consider approval.

A motion was moved and seconded to approve Resolution No. 22-23-11 – 2022 Water Professionals Appreciation Week, as presented.

Roll Call:

Ayes: Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nays: None

Abstain: None

Absent: Atkins

5. Stockton East Water District – Values Program Memo, 09/13/22
Manager Hopkins provided the Board with a memo regarding the District Values Program. Manager Hopkins reported this Program was discussed previously with the Board. Manager Hopkins reported the Program funding is not approved by the Board; and, is recommending Program funding up to \$800.00 from the Administration Fund and up to four (4) days off from salary accounts for the Fiscal Year 2022-23 Employee Values Recognition Program.

Director Panizza inquired if Legal Counsel has reviewed the proposal and if it is in-line with the District’s Memorandum of Understanding (MOU) and State and Federal laws. Legal Counsel Zolezzi replied the proposal has been reviewed and is in accordance with state law. Director Panizza thanked Legal Counsel Zolezzi for her review.

Director Cortopassi inquired for clarification of the total amount of monies being used. Manager Hopkins replied total amount up to \$800.00 and a total of four (4) days off at staff salary. Finance

Director Vega added the way the Program is envisioned, the employee whom is recognized at each quarterly potluck (4 times a year) would win a day-off or a maximum cash prize of \$200; and those employees whom were nominated and selected for recognition could spin a prize wheel at the quarterly potluck to determine the prize.

A motion was moved and seconded to approve funding the Employees Value Program in an amount up to \$800.00, from the Administration Fund and up to four (4) days off from salary accounts for the Fiscal Year 2022-2023 Employee Values Recognition Program, as presented.

Roll Call:

Ayes: Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins
Nays: None
Abstain: None
Absent: Atkins

E. COMMITTEE REPORTS

1. Bellota Project Committee Meeting, 09/07/22

Directors Atkins, Cortopassi, Sanguinetti and Watkins, and Manager Hopkins, District Engineer Evensen and Administrative Services Manager Carido attended the September 7, 2022 Bellota Project Committee Meeting. Director Cortopassi reported there was no public comment and the 100% Design Presentation was given by Elizabeth Schlegel, KSN. Director Cortopassi reported there was discussion regarding project costs and of project cost allocation. Director Cortopassi reported staff and consultants had more work to do and would bring it back to the Committee at a later time. Manager Hopkins added the 100% Design is scheduled to be presented to the Board next week for consideration and approval. President Watkins noted staff will continue work in the meantime on the required environmental documentation. Director McGurk inquired on if the 100% of Project design is locked in. Director Sanguinetti replied once environmental documents are approved there will not be any changes to the design because the environmental documents are going to address the Project as it is designed.

2. San Joaquin County & Delta Water Quality Coalition Meeting, 09/12/22

Nothing to report.

F. REPORT OF GENERAL MANAGER

1. Water Supply Report as of 09/05/22

Finance Director Vega provided a handout of the Water Supply Report for information only that included storage, release, and production data collected from various sources as of midnight last night.

There is 63,431 AF in storage at New Hogan Reservoir. Current releases are set at 261 cfs. Current release at Goodwin Dam to Stanislaus River are set at 234 cfs and release to all water users are set at 0 cfs. There are 17 irrigators on New Hogan, 0 irrigators on New Melones, and 0 irrigators out of District. The water treatment plant is currently processing 52 mgd. The City of Stockton is currently processing 13 mgd. Finance Director Vega reported the District wells total water extraction is 6,714 gpm. Manager Hopkins reported there is a typo with the mgd figure reported of ~4.4 mgd and commented the figure should be ~9.7 mgd.

President Watkins inquired if the District is receiving water from Salt Springs. Manager Hopkins replied yes and so far Rock Creek Water District has not been able to divert as expected (currently 10 cfs). Manager Hopkins reported Rock Creek Water District is looking to increase the flow by modifying their infrastructure. Finance Director Vega reported staff reported in ~10-11 days they hope to have the increase flow going but have stopped flow in the meantime as they have an irrigator taking water.

2. Information Items:
Finance Director Vega noted item: F2a-1, F2a-2 and F2a-3.

Director McGurk inquired on F2a-3 and if SEWD is one of the 30 largest water providers in the state. Manager Hopkins replied the District has not been confirmed as such; however, the District has conducted PFAS testing for both sources as part of exploratory work for future disinfection processes and the amount of PFAS in our water is currently lower than what is currently being discussed as the threshold.

3. Report on General Manager Activities

- a. Eastern Water Alliance – Demonstration Recharge Extraction and Aquifer Management (DREAM) Expansion Discussion Meeting, 09/09/22

Director Watkins and Manager Hopkins attended the September 9, 2022 Eastern Water Alliance – Demonstration Recharge Extraction and Aquifer Management (DREAM) Expansion Discussion Meeting. Manager Hopkins there was general interest among the agencies however it will be difficult to move forward until EBMUD can provide data. Manager Hopkins reported on scheduling another meeting in a few weeks to discuss potential projects and how to put that water to use.

- b. San Joaquin County Environmental Health Department – Introduction to Executive Order N-7-22 Review Criteria Meeting, 09/12/22

Director Watkins and District Engineer Evensen attended the September 12, 2022 San Joaquin County Environmental Health Department – Introduction to Executive Order N-7-22 Review Criteria Meeting. President Watkins reported the meeting was hard to hear attending via teleconference. Discussion focused on criteria, such as if you are within 1,500 feet from an existing well and draw-down is minimal that is okay however if you have high draw-down that is not. District Engineer Evensen reported the requirements seem like a method for the County to use for help determining well application approval.

- c. San Joaquin County Public Works – Water Resources – Basin Accounting Charter Meeting, 09/12/22

Director Watkins and Administrative Services Manager Carido attended the September 12, 2022 San Joaquin County Public Works – Water Resources – Basin Accounting Charter Meeting. President Watkins reported a draft outline was provided regarding the tasks needing to be accomplished in a very fast schedule. The tasks are established to determine each GSA's groundwater model component as either common pool or GSA resource. President Watkins commented it is water accounting they want to use to do fiscal accounting. Director McGurk inquired whether there was any hint if this is going to get linked to water marketing. President Watkins replied having concern about GSAs having credits and if that will mean they can sell their credits adding the ultimate test is water levels and if you do not maintain water levels, the GSP says you will be curtailed. Director McGurk commented on Wall Street not being transparent with adding water to the commodity exchanges. President Watkins commented to focus efforts into projects that solve the problems in the basin, not fix in the past. President Watkins added another meeting is scheduled for next week on Monday, September 19th at 11:00 a.m.

- d. Stockton East Water District Activities Update

Finance Director Vega reported currently 1 District staff member is out with COVID.

G. DIRECTOR REPORTS (None)

H. COMMUNICATIONS

1. Stockton East Water District – Comments on the State Water Resources Control Board Notice of Preparation Regarding the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta, 09/07/22

Manager Hopkins provided the Board with the September 7, 2022 correspondence regarding comments on the State Water Resources Control Board (SWRCB) Notice of Preparation Regarding the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta. Legal Counsel Zolezzi reported this is for information only, the correspondence has been submitted to the SWRCB.

I. AGENDA PLANNING/UPCOMING EVENTS

1. Eastern San Joaquin Groundwater Authority Board Meeting, 10:30 a.m., 09/14/22
2. Eastern Water Alliance (EWA) Meeting/DREAM Monitoring Committee Meeting, 2:00 p.m., 09/14/22
3. CVP Water Association – Executive and Financial Affairs Committees Meeting Schedule, 10:00 a.m., 09/16/22
4. Stockton Area Water Suppliers (SAWS) Meeting, 2:30 p.m., 09/16/22
5. Linden-Peters Chamber of Commerce Meeting, 7:00 p.m., 09/19/22

J. REPORT OF THE COUNSEL

1. Closed Session - Existing Litigation
California Water Service Company,
City of Stockton & Stockton East Water District vs. Central San
Joaquin Water Conservation District
Government Code 54956.9 (a)
2. Closed Session - Potential Litigation
Government Code 54956.9 (c) – one case

President Watkins adjourned the meeting to closed session at 1:07 p.m. to discuss closed session agenda items. The regular meeting reconvened at 1:30 p.m., with the no reportable action.

K. ADJOURNMENT

President Watkins adjourned the meeting at 1:31 p.m.

Respectfully submitted,

Justin M. Hopkins
Secretary of the Board

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**STOCKTON EAST WATER DISTRICT
INVOICES FOR BOARD PACKAGE
CALPERS EFT REQUEST
SEPTEMBER 20, 2022**

Vendor name	District Fund#	Account #	Description	Amount	Invoice No.
1 CA Public Employees Retirement System (CalPERS)	70	10-5049-0	Retirement Contributions for Payroll 09/16/22-Admin	4,393.75	09/16/22 1245106351
2 CA Public Employees Retirement System (CalPERS)	70	10-22299-0	Retirement Contributions for Payroll 09/16/22-Admin	47.45	09/16/22 1245106351
			Total Fund 70 Admin	\$ 4,441.20	
1 CA Public Employees Retirement System (CalPERS)	71	10-5049-0	Retirement Contributions for Payroll 09/16/22-WS-NM	5,179.42	09/16/22 1245106351
2 CA Public Employees Retirement System (CalPERS)	71	10-5058-0	Retirement Contributions for Payroll 09/16/22-WS-NH	1,679.33	09/16/22 1245106351
			Total Fund 71 Water Supply	\$ 6,858.75	
1 CA Public Employees Retirement System (CalPERS)	94	10-5049-0	Retirement Contributions for Payroll 09/16/22-M&I	20,281.46	09/16/22 1245106351
			Total Fund 94 Municipal & Industrial	\$ 20,281.46	
Grand Total for Electronic Funds Transfer Request on RBM 09/20/22				\$ 31,581.41	

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Memorandum

To: Board of Directors
From: Justin Hopkins – General Manager
Darrel Evensen – District Engineer
Manuel Verduzco – Senior Engineer
Date: 09/20/2022
Re: Ozone Study and PER

Background

During the disinfection study, Stockton East Water District's (District) consultant, Carollo Engineers, analyzed different processes to disinfect the drinking water. Ozone was one option, but without residual disinfection protection, chlorine would still need to be added to maintain a residual disinfection in the pipeline. The District selected a sodium hypochlorite disinfection process and the elimination of the existing gaseous chlorine disinfection once the new disinfection system becomes online next year.

Ozone is a strong oxidant and can eliminate the periodic taste and odors caused by geosmin and 2-methylisoborneol (MIB) at the Water Treatment Plant (WTP). Beyond taste and odor, ozone reduces chlorine dosing, removes some chlorine resistant microorganisms, increases particle removal through filters, enhances total organic carbon removal and reduces the total trihalomethanes disinfection byproducts.

The District requested qualification proposals from consultant engineering firms for the Ozone Study and Preliminary Engineering Report (PER) that would take the design to a 15% completion. Proposals were received by Carollo Engineers, CDM Smith and Stantec. All three firms have completed multiple ozone projects in California.

Summary

District Staff reviewed the proposals from the three consultant engineering design firms and recommended CDM Smith based on their project staff, ozone experience, similar size projects and understanding of the Stockton area.

The Ozone Study will provide a kickoff meeting and two workshops with staff and board members to discuss design alternatives, comparative costs, site plans and hydraulic profiles, implementation schedules with sequencing and impacts to the WTP performance. A PER will include design criteria, treatability testing recommendations, site plan/facilities layout, costs, project implementation schedule, and environmental review/permitting requirements.

Financial Impact

The Ozone Study and PER project is in the Fiscal Year 22-23 budget at \$204,000. CDM Smith's proposal was negotiated to \$224,190 from the initial proposal amount of \$228,930. With a 10% contingency, the budget would be \$246,609, which requires an additional \$42,609. Staff recommends additional funding from the General Manager's Office – Professional Services budget of \$185,000.

Recommendations

District Staff recommends the Board authorize the General Manager to approve a Professional Services Agreement with CDM Smith to provide study and design work for the Ozone Study and PER in the amount of \$224,190, plus a 10% contingency of \$22,419, for a total of \$246,609, and make all other necessary approvals.



BELLOTA WEIR MODIFICATIONS PROJECT

100% Ad-Hoc Committee Review September 7, 2022



01

**Introductions and Meeting
Objectives**

02

Project Development Overview

03

Overall Project Cost Summary

04

**Construction Sequencing and
Sequence Costs**

05

Project Schedule Overview

06

Next Steps

07

Questions




01 INTRODUCTION AND MEETING OBJECTIVES

MEETING OBJECTIVES

- Review of:
 - Project Development to Date, & Understanding of Next Steps
 - Anticipated Construction Costs, Overall and by Sequence
- Construction Sequencing
 - Potential Project Schedule through Construction

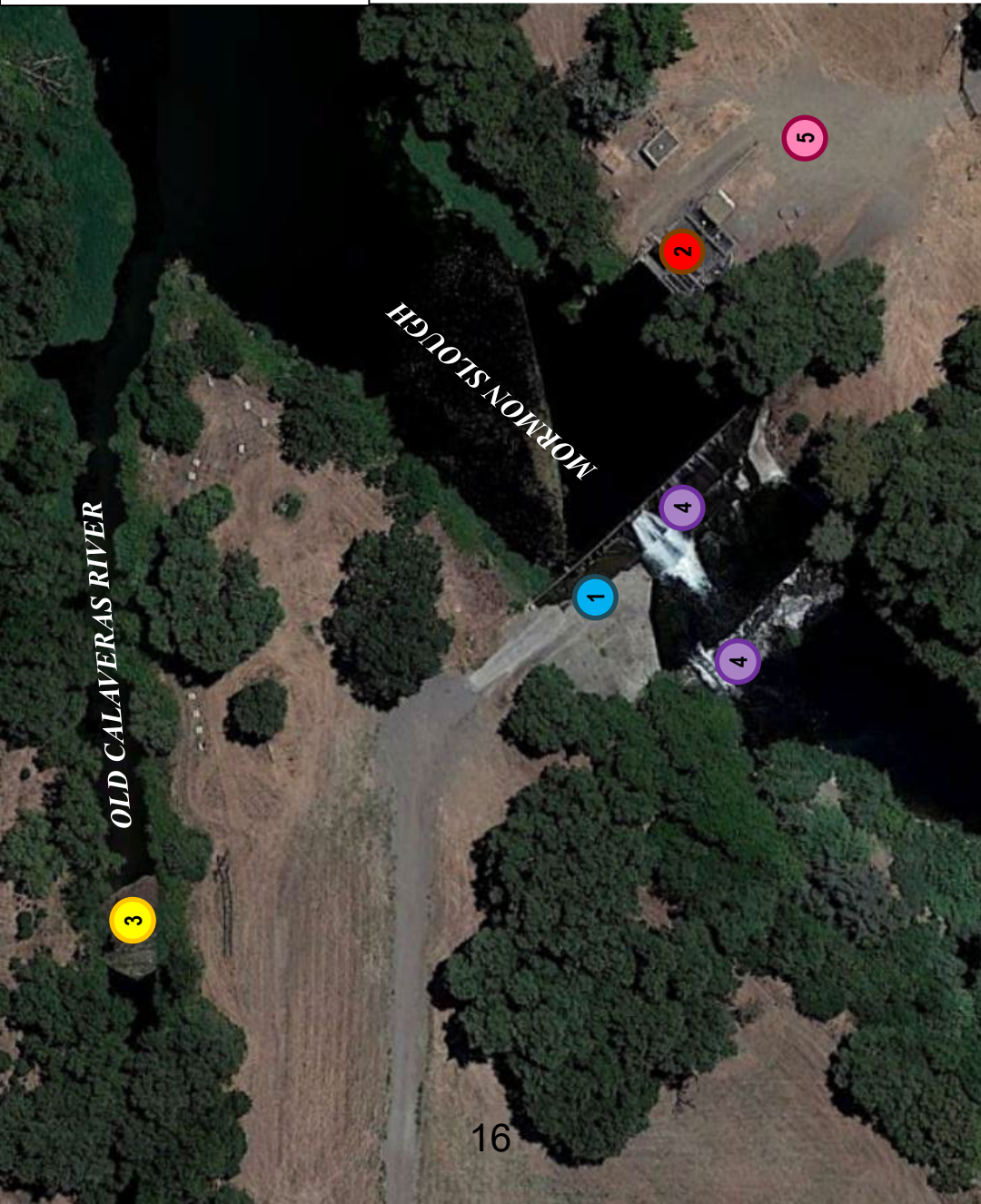




02 PROJECT DEVELOPMENT OVERVIEW

Existing Site Elements

- 1 Concrete Weir w/ Flashboards
- 2 Surface Water Intake
- 3 Earthen Berm, Four Culverts with Water Control Gates
- 4 Denil Fish Ladder
- 5 54-inch Diameter Gravity Flow Pipeline



ORIGINAL PROJECT OBJECTIVES

- Reduce juvenile fish entrainment at the existing SEWD intake
- Reduce juvenile fish movement down the Old Calaveras River Channel
- Improve upstream migration of adult salmon and steelhead
- Provide more reliable water supply infrastructure for SEWD

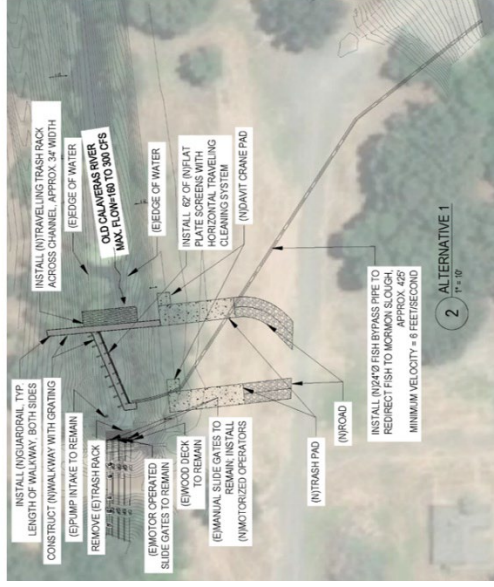
INITIALLY PROPOSED PROJECT ELEMENTS

- Modify and/or replace the existing profile control infrastructure (flashboard weir)
- Provide fish passage facility for fish species throughout various life stages at project site
- Provide fish exclusion and protection measures for SEWD intake at Bellota Weir
- Exclude fish from migrating downstream into the Old Calaveras River

ALTERNATIVE FORMULATION – ALTERNATIVES SELECTED FOR FURTHER CONSIDERATION

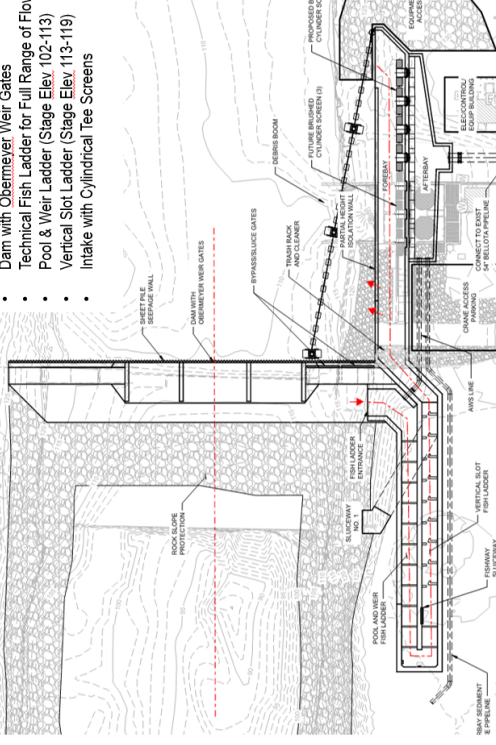
- Alternative 1A: Technical Fish Ladder and Intake with Cylindrical Tee Screens
- Alternative 1B: Technical Fish Ladder and Intake with Flat Panel Screens
- Alternative 2A: Channel Spanning Fishway & Technical Fish Ladder
- Alternative 2B: Roughened Channel & Technical Fish Ladder
- Alternative 3: Combined Fish Ladders with Two Exits

ALTERNATIVE 1 – FLAT PANEL FISH SCREENS AT CALAVERAS HEADWORKS



ALTERNATIVE 1A - TECHNICAL FISH LADDER, INTAKE WITH TEE SCREENS

- Dam with Obermeier Weir Gates
- Technical Fish Ladder for Full Range of Flows and River Stages
- Pool & Weir Ladder (Stage Elev. 102-113)
- Vertical Slot Ladder (Stage Elev. 113-119)
- Intake with Cylindrical Tee Screens



ALTERNATIVE FORMULATION – ALTERNATIVES SELECTED FOR FURTHER CONSIDERATION

- Alternative 1: Flat Panel Fish Screens at Calaveras Headworks
- Alternative 2: Flat Panel Fish Screens Upstream of Calaveras Headworks
- Alternative 3: Conical Fish Screens Upstream of Calaveras Headworks
- Alternative 4: Conical Fish Screens in Bellota Pool with Discharge Culvert to Calaveras Headworks
- Alternative 5: Conical Fish Screens in Bellota Pool with Discharge Channel to Calaveras Headworks

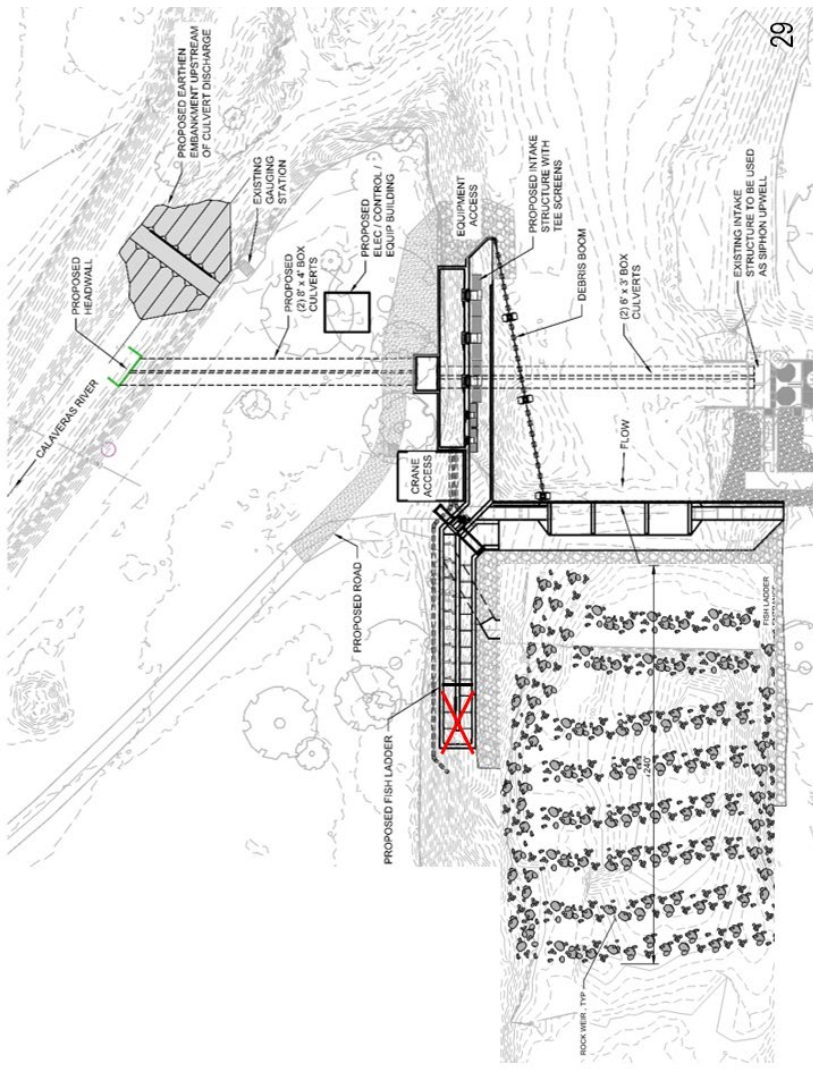
Early Project Concepts – April 2020

INPUT RECEIVED – EARLY PROJECT CONCEPTS

- SEWD: Consolidate facilities to north shore of Mormon Slough, provide concrete fish ladder with high/low flow entrances
 - Stakeholder Agencies: Incorporate roughened channel into consolidated facility alternative for low-flow fish passage
- Design Impacts:
 - Fewer fish screens needed
 - Added drinking water intake at north shore
 - » Additional pipelines, junction structures to connect new intake to Bellota Pipeline
 - » Improved project's ability to meet water supply / redundancy objective
 - » **Dramatically increased scope of electrical and instrumentation infrastructure needed for facility**
- Initially was ruled out by SEWD due to complexity/cost of permitting compliance and extent of construction in channel
- Design Impacts:
 - Added design effort
 - Added construction cost
 - Increased permitting complexity

PROPOSED ALTERNATIVE 7B

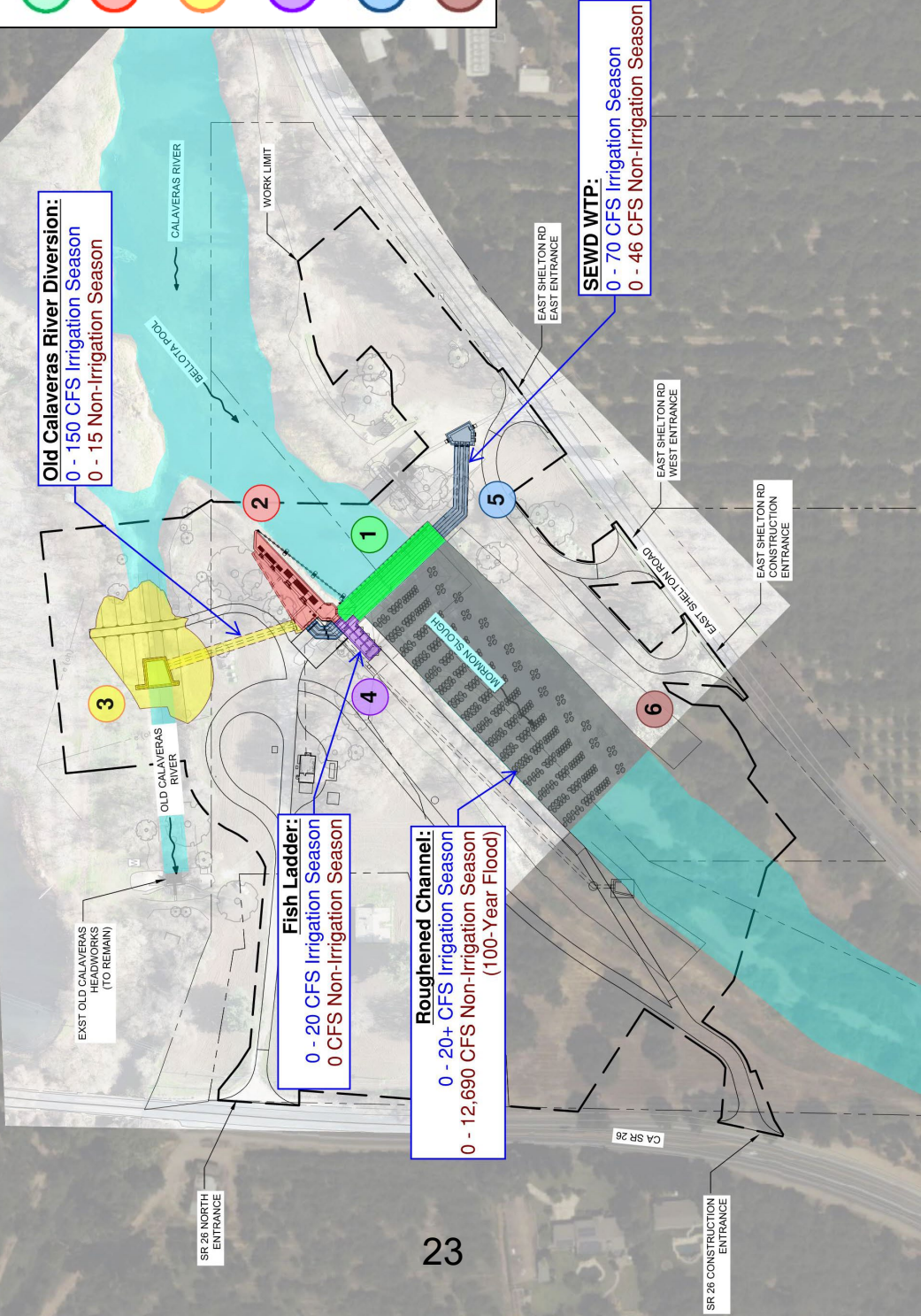
- Shorter ladder and Roughened Channel from Alt 2B
- Consolidated screening on north bank from Alt 7



Project Elements

- 1 Inflatable Weir Gate Dam
- 2 Surface Water Intake with Barrel Style Fish Screens
- 3 Isolation Embankment and Old Calaveras River Pipelines
- 4 Permanent Pool and Weir / Vertical Slot Fish Ladder
- 5 Gravity Flow Pipes to Bellota Pipeline
- 6 Roughened Channel

- Replaces profile control infrastructure
- Provides fish exclusion and protection
- Provides fish passage for fish species throughout various life stages at project site





03 OVERALL PROJECT COST SUMMARY

100% DESIGN-LEVEL OPCC

Project Elements	Low (Base-10%)	Base OPCC w/ Escalation	High (Base+15%)	Total Base OPCC w/ Indirect Costs
Consolidated screening facility on North bank with a roughed channel	\$57.9M	\$64.3M	\$73.9M	\$76.6M

Note:

- 100% OPCC is a Class 1 estimate, with -10% / +15% cost range from Base; previous OPCC provided a Class II estimate with -10% / +20% range from Base
- Soft costs are calculated as 19% of the total direct costs.
- Assumes one construction contract, escalated 5% per year to mid-point of construction

100% DESIGN-LEVEL OPCC ORDERED BY CONSTRUCTION SEQUENCE

CONSTRUCTION SEQUENCE NUMBER	DESCRIPTION	DIRECT COSTS	INDIRECT COSTS	TOTAL COSTS
1A	SITE PREPARATION AND ROADS	\$1.48M	\$280K	\$1.76M
1B	DEMOLITION, COFFERDAM INSTALLATION, AND SLUICeways	\$10.35M	\$1.97M	\$12.32M
1C	WEIR SILL AND ROUGHENED CHANNEL	\$14.55M	\$2.77M	\$17.32M
1D	ROCK SLOPE PROTECTION AND DEBRIS BOOM	\$2.21M	\$420K	\$2.63M
2	BUILDING, FISH LADDER, AND NORTH BANK DIVERSION STRUCTURE	\$9.13M	\$1.73M	\$10.86M
3	WEIR SUPERSTRUCTURE AND OCR CONVEYANCE PIPES	\$6.83M	\$1.30M	\$8.13M
4	INTAKE, SOUTH BANK DIVERSION STRUCTURE AND CONVEYANCE PIPES	\$19.96M	\$3.79M	\$23.75M
5	OLD CALAVERAS IMPROVEMENTS	\$2.97M	\$560K	\$3.53M

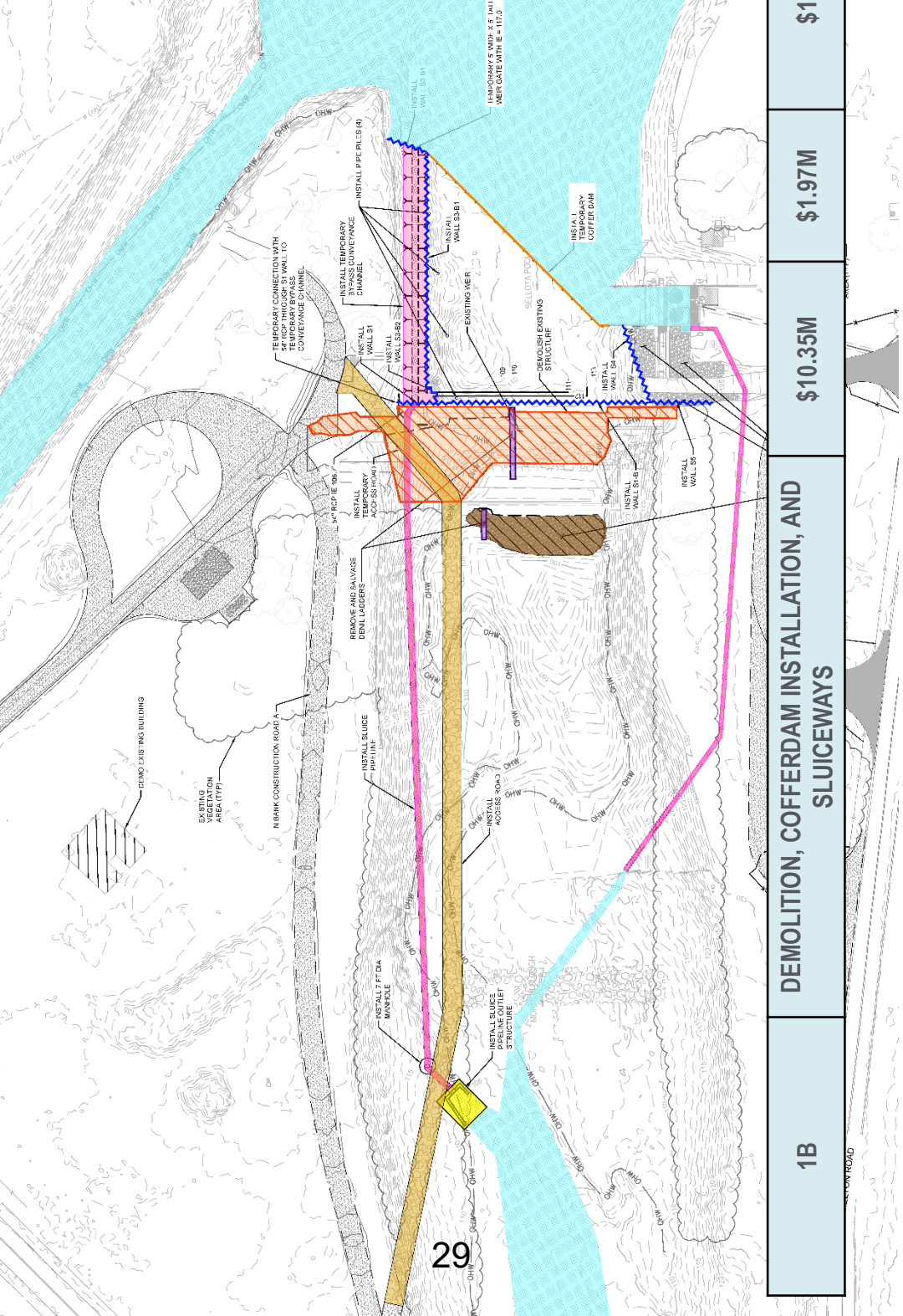
- Assumes 5% escalation per year to mid-point of each construction sequence



04 CONSTRUCTION & SEQUENCE COSTS

Stream Bypass Sequence 1b

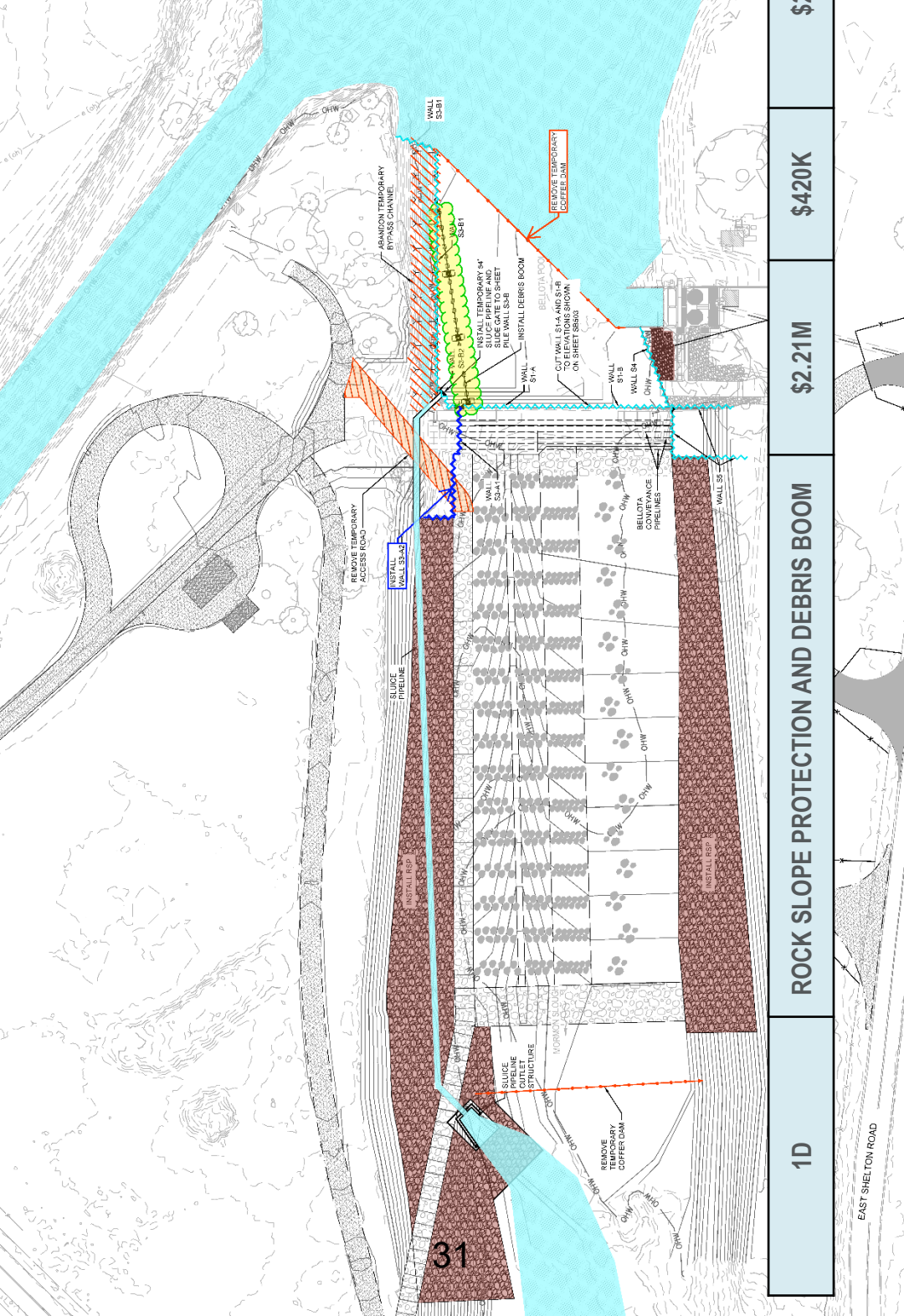
- Emergency Bypass Flow Directed North and South of Roughened Channel in Pipelines
- Demolition and Excavation in Mormon Slough Channel
- Construct sluice pipeline & outlet structure, as well as temporary access road
- Install sheet pile walls
- Construction to Take Place Over 1 Irrigation Season (Summer)



1B	DEMOLITION, COFFERDAM INSTALLATION, AND SLUICEWAYS	\$10.35M	\$1.97M	\$12.32M
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Stream Bypass Sequence 1d

- Install Rock Slope Armoring
- Remove Sheet Pile Walls as needed
- Remove Temporary Bypass Pipeline
- Remove Temporary Access Road
- Construction to Take Place Over 1 Irrigation Season (Summer)



1D	ROCK SLOPE PROTECTION AND DEBRIS BOOM	\$2.21M	\$420K	\$2.63M
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EAST SHELTON ROAD

CONSTRUCTION SEQUENCE 1A-D

CONSTRUCTION SEQUENCE NUMBER	DESCRIPTION	DIRECT COSTS	INDIRECT COSTS	TOTAL DIRECT AND INDIRECT COSTS
1A	SITE PREPARATION AND ROADS	\$1.48M	\$280K	\$1.76M
1B	DEMOLITION, COFFERDAM INSTALLATION, AND SLUICeways	\$10.35M	\$1.97M	\$12.32M
1C	WEIR SILL AND ROUGHENED CHANNEL	\$14.55M	\$2.77M	\$17.32M
1D	ROCK SLOPE PROTECTION AND DEBRIS BOOM	\$2.21M	\$420K	\$2.63M
Overall Cost, Sequence 1: \$34.0M				

Objectives Met by Sequence

- Reduce juvenile fish entrainment at the existing SEWD intake (non-irrigation season)
- Improve upstream migration of adult salmon and steelhead (non-irrigation season)
- Provide more reliable water supply infrastructure for SEWD

Benefits of Sequence

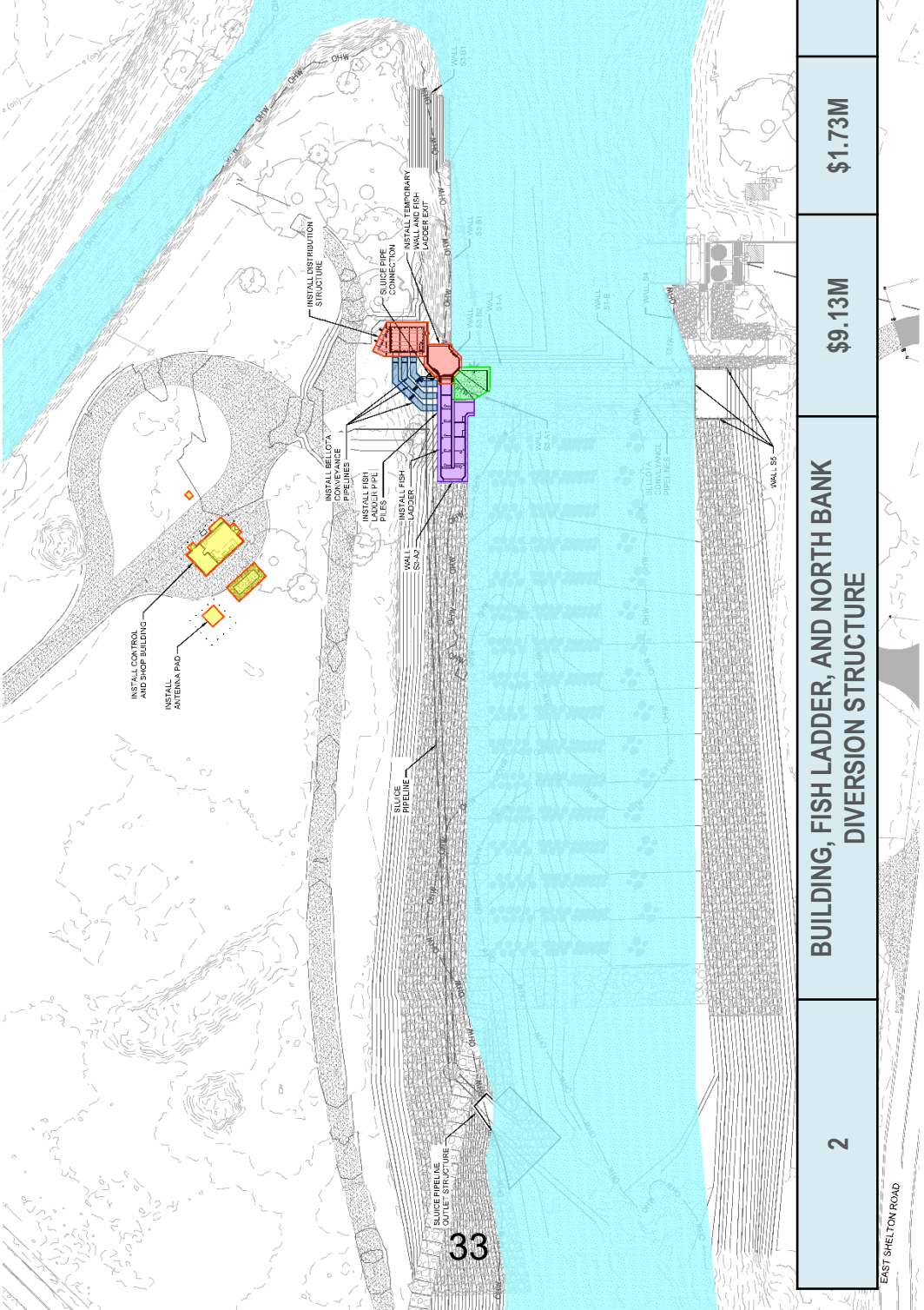
- Provide fish passage facility for fish species throughout various life stages at project site (non-irrigation season)

Stream Bypass Sequence 2

- Objectives Met by Sequence
- Reduce juvenile fish entrainment at the existing SEWD intake
 - Reduce juvenile fish movement down the Old Calaveras River Channel
 - Improve upstream migration of adult salmon and steelhead

Benefits of Sequence

- Provide fish passage facility for fish species throughout various life stages at project site (after completion of roughened channel)
- Supports future drinking water / flood control related infrastructure improvements



2	BUILDING, FISH LADDER, AND NORTH BANK DIVERSION STRUCTURE	\$9.13M	\$1.73M	\$10.86M
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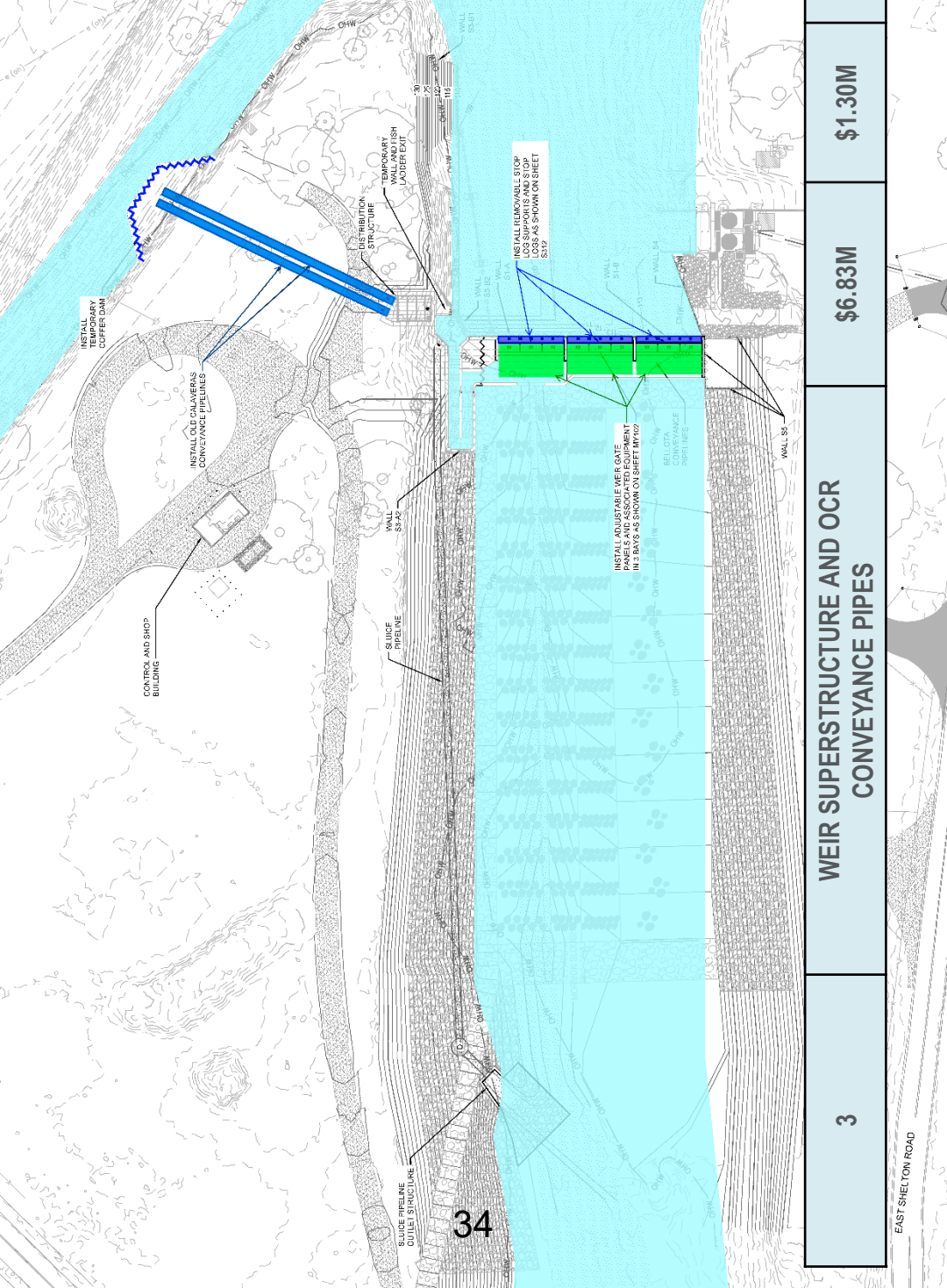
Stream Bypass Sequence 3

Objectives Met by Sequence

- Reduce juvenile fish entrainment at the existing SEWD intake
- Reduce juvenile fish movement down the Old Calaveras River Channel
- Improve upstream migration of adult salmon and steelhead
- Provide more reliable water supply infrastructure for SEWD

Benefits of Sequence

- Provides improved flood control response by replacing the existing flashboard weir with inflatable weir gates
- Supports fish passage for fish species throughout various life stages at project site



3	WEIR SUPERSTRUCTURE AND OCR CONVEYANCE PIPES	\$6.83M	\$1.30M	\$8.13M
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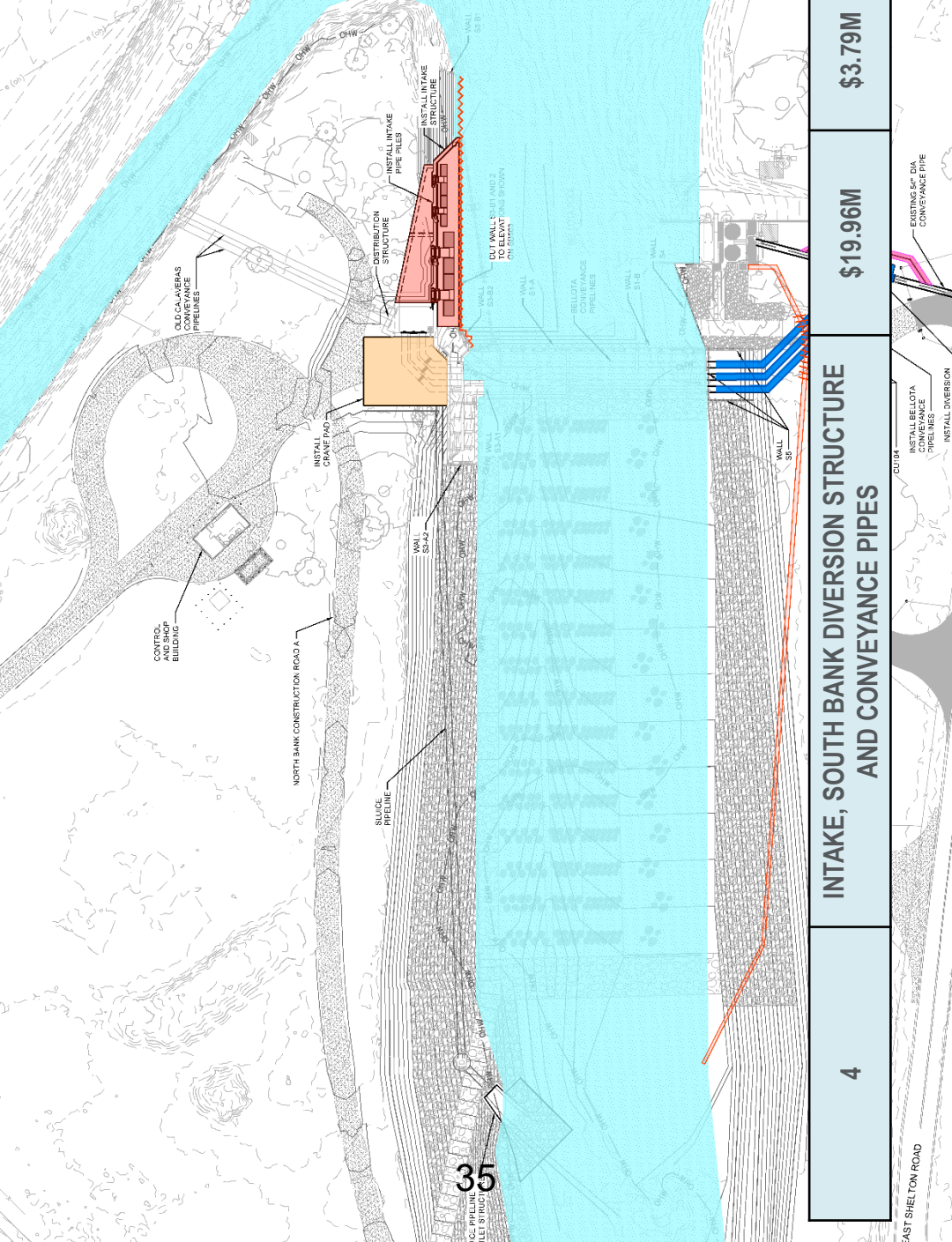
Stream Bypass Sequence 4

Objectives Met by Sequence

- Reduce juvenile fish entrainment at the existing SEWD intake
- Reduce juvenile fish movement down the Old Calaveras River Channel
- Improve upstream migration of adult salmon and steelhead
- Provide more reliable water supply infrastructure for SEWD

Benefits of Sequence

- Provides modern drinking water intake
- Provides fish exclusion and protection measures for SEWD intake at Bellota Weir
- Supports future exclusion to prevent fish from migrating downstream into the Old Calaveras River



4	INTAKE, SOUTH BANK DIVERSION STRUCTURE AND CONVEYANCE PIPES	\$19.96M	\$3.79M	\$23.75M
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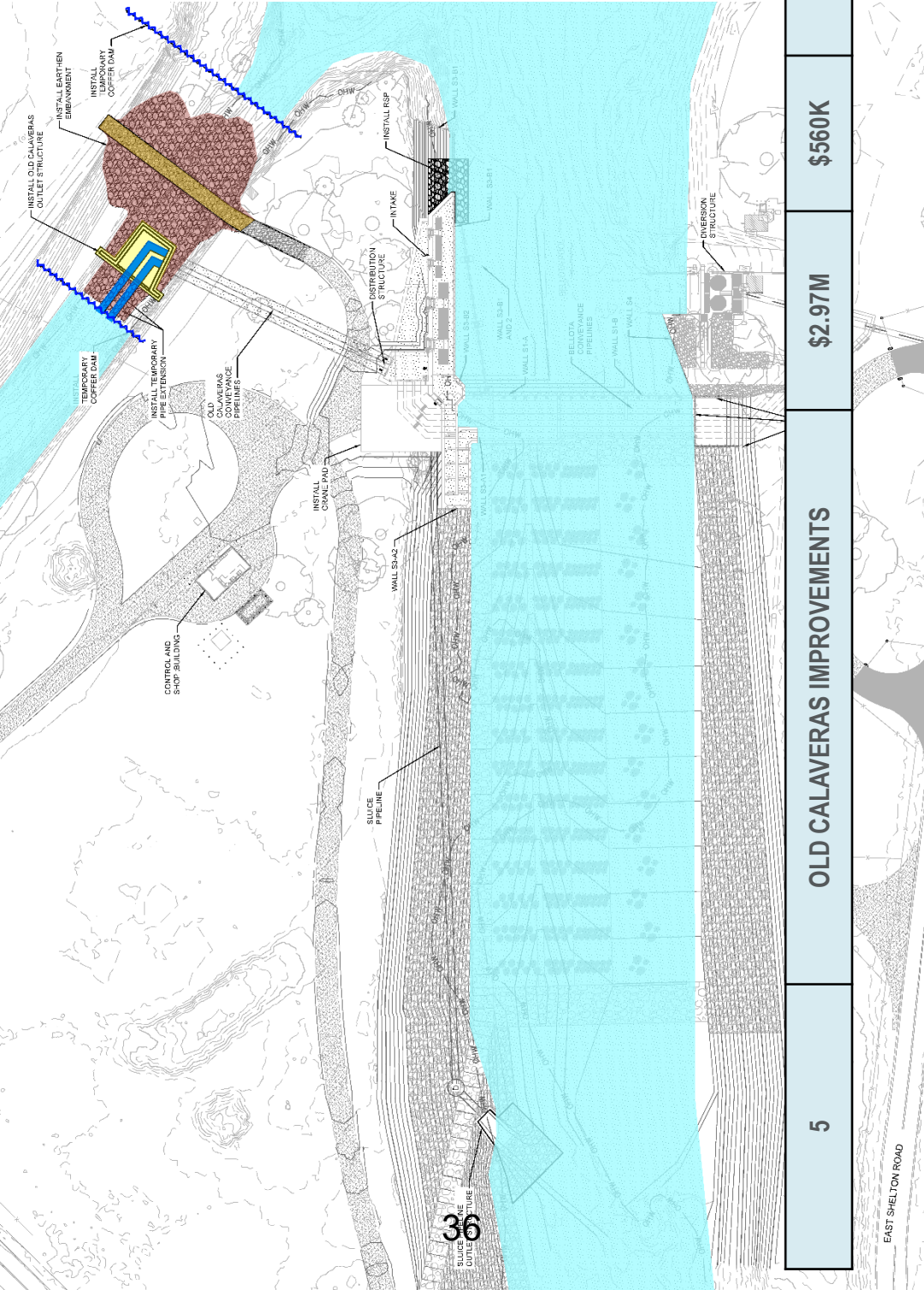
Stream Bypass Sequence 5

Objectives Met by Sequence

- Reduce juvenile fish movement down the Old Calaveras River Channel
- Improve upstream migration of adult salmon and steelhead

Benefits of Sequence

- Excludes fish from migrating downstream into the Old Calaveras River



5	OLD CALAVERAS IMPROVEMENTS	\$2.97M	\$560K	\$3.53M
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05 PROJECT SCHEDULE OVERVIEW

37

Save





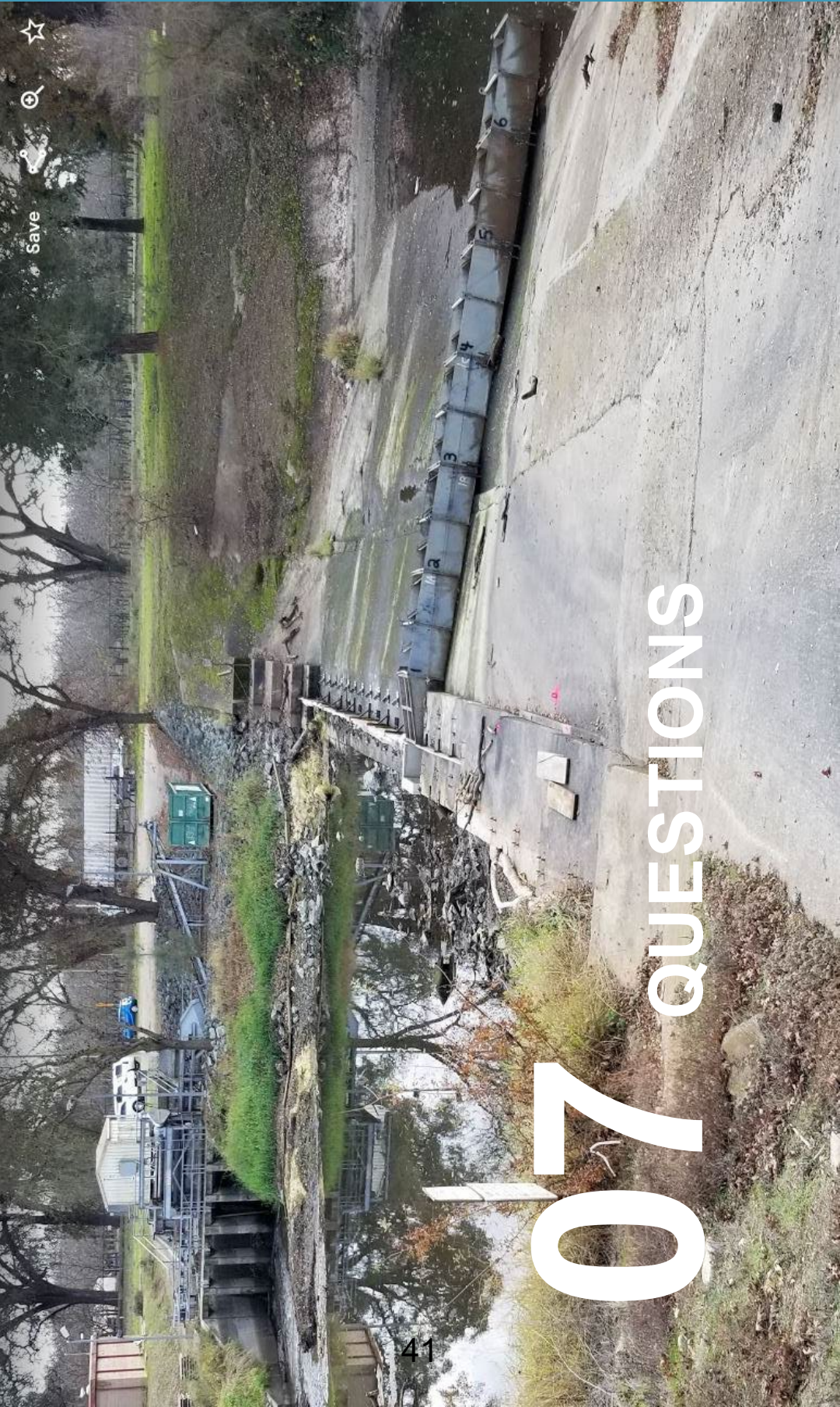
06 NEXT STEPS

NEXT STEPS

- CEQA Public Review Period / Updates
- Apply for Permits / Permit Application Review
- **Get Funding**
- Bid and Construct Entire Project or Update Bid Set by Construction Sequence(s) per Funding Constraints



07 QUESTIONS



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Board of Directors Meeting

AGENDA

Wednesday September 14, 2022

10:30 a.m. – 12:00 p.m.

San Joaquin County Robert J. Cabral Agricultural Center
2101 E. Earhart Avenue Stockton, CA 95206

- I. **Call to Order/Pledge of Allegiance & Safety Announcement/Roll Call**
- II. **Scheduled Items**
 - A. Discussion/Action Items:
 - 1. Approval of the July 13th Meeting Minutes ([Attachment](#))
 - 2. Draft GWA/DWR SGMA Round 1 Grant Agreement - Action
 - 3. City of Stockton Water Rights Support - Action
 - 4. WAF Framework - Status and Discussion
 - 5. Model Policy - Status and Discussion
- III. **Staff/DWR Reports**
 - A. Staff Reports
 - B. DWR Report
- IV. **Directors' Comments and Project Status Reports**
- V. **Public Comment (non-agendized items)**
- VI. **Future Agenda Items**
 - A. GWA/Local Project Sponsor Agreements for SGMA Round 1 Grant
- VII. **Adjournment**

Next Regular Meeting
Wednesday, October 12th 2022
10:30 a.m. – 12:00 p.m.
Manteca Transit Center
220 Moffat Blvd, Manteca CA 95336
Room 1

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Eastern Water Alliance

Post Office Box 5157
Stockton, CA 95205

An Alliance of Water Districts, Central San Joaquin Water Conservation District, North San Joaquin Water Conservation District, and Stockton East Water District, located over the critically overdrafted Eastern San Joaquin County Groundwater Basin

NOTICE OF MEETINGS

Notice is hereby given that a meeting of the DREAM Monitoring Committee will be held at 2:00 p.m. on Wednesday, September 14, 2022 at Stockton East Water District, 6767 East Main Street, Stockton, California

**Due to COVID-19 the DREAM Monitoring Committee will be Available by
Teleconference
Call-In Information Provided Below**

Notice is hereby given that a

A meeting of the Board of Directors of the Eastern Water Alliance will begin immediately following the DREAM Monitoring Committee Meeting, beginning no earlier than 2:30 p.m. on Wednesday, September 14, 2022 at Stockton East Water District, 6767 East Main Street, Stockton, California

MEETING OF THE DREAM MONITORING COMMITTEE

- 1) Call to Order
- 2) Roll Call
- 3) Public Comment
- 4) Demonstration Recharge Extraction and Aquifer Management (DREAM)
 - A. Project Update
- 5) Other Business
- 6) Plan for Next Meeting
- 7) Adjournment

MEETING OF THE EASTERN WATER ALLIANCE

- 1) Call to Order
- 2) Roll Call
- 3) Public Comment

Action items:

- 4) Demonstration Recharge Extraction and Aquifer Management (DREAM) Project
 - i. Action Item for Eastern Water Alliance: Appoint Representative to the DREAM Monitoring Committee
 - ii. Action Item for Eastern Water Alliance: Approve Extension of Time to Complete the DREAM Project



**STOCKTON
EAST WATER
DISTRICT**

PROVIDING SERVICE SINCE 1948

www.sewd.net

DIRECTORS

Richard Atkins
Vice President
Division 1

Andrew Watkins
President
Division 2

Alvin Cortopassi
Division 3

Melvin Panizza
Division 4

Paul Sanguinetti
Division 5

Loralee McGaughey
Division 6

Thomas McGurk
Division 7

STAFF

Justin M. Hopkins
Interim General Manager

LEGAL COUNSEL

Jeanne M. Zolezzi
General Counsel

Phone 209-948-0333
Fax 209-948-0423

E-mail sewd@sewd.net

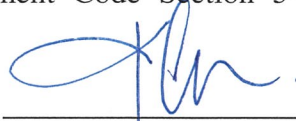
6767 East Main Street
Stockton, CA 95215

Post Office Box 5157
Stockton, CA 95205

- 5) Eastern Water Alliance - June 21, 2021 Minutes
- 6) Eastern Water Alliance – November 18, 2021 Minutes
- 7) Other Business
- 8) Agenda Planning for Next Meeting
- 9) Adjournment

Certification of Posting

I hereby certify that on September 9, 2022 I posted a copy of the foregoing agenda in the outside display case at the District Office, 6767 East Main Street, Stockton, California, said time being at least 72 hours in advance of the meeting of the Board of Directors of the Eastern Water Alliance (Government Code Section 54954.2). Executed at Stockton, California on September 9, 2022.



Kristin Carido, Administrative Services Manager
Stockton East Water District

Assistance for the Disabled: If you are disabled in any way and need accommodation to participate in the meeting, please call Kristin Carido, Administrative Services Manager (209) 948-0333 for assistance so the necessary arrangements can be made.

Weekly Water Report	As of: September 12, 2022	As of: September 19, 2022
New Hogan (NHG) TOC	317,100	AF
Storage:	63,976	AF
Net Storage Change:	-3,729	AF
Inflow:	34	CFS
Release:	261	CFS
New Melones (NML) Allocation	75,000	AF
Storage:	626,431	AF
Net Storage change:	-9,277	AF
Inflow:	582	CFS
Release:	1,177	CFS
Source: CDEC Daily Reports		

Goodwin Diversion (GDW)		
Inflow (Tulloch Dam):	1,177	CFS
Release to Stanislaus River (S-98):	234	CFS
Release to OID (JT Main):	648	CFS
Release to SSJID (SO Main):	332	CFS
Release to SEWD:	<u>0</u>	CFS
Total Release	1,214	CFS
Source: Tri-Dam Operations Daily Report		
Farmington Dam (FRM)		
Diverted to SEWD:	N/A	CFS
Diverted to CSJWCD:	0	CFS
Source: USACE WCDS Hourly Report		

Surface Water Used		
Irrigators on New Hogan:	17	
Irrigators on New Melones:	0	
Out-Of-District Irrigators:	0	
DJWWTP Production:	52	MGD
North Stockton:	18	MGD
South Stockton:	8	MGD
Cal Water:	22	MGD
City of Stockton DWSP Production:	13	MGD

District Ground Water Extraction		
74-01	884	GPM
74-02	542	GPM
North	490	GPM
South	1,748	GPM
Extraction Well # 1	<u>3,050</u>	GPM
Total Well Water Extraction	6,714	GPM
Total Ground Water Production	4.4	MGD

Note: All flow data reported here is preliminary and subject to revision.

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September Meeting Agenda

10:00 a.m. September 16, 2022
279-666-3100 / ID 806 362 590#

The meeting begins at 10:00 a.m. via MS Teams or the provided call-in number.

1. **Opening Business**
2. **Report on EC Meeting**
3. **2022 FAC Issues Matrix**

2022 FAC Issues Matrix – Updated 5/20/2022	
Priority Issues	Update
1. Future Costs and Potential Rate Impacts	Robert
2. Remediation of CVP Costs	
a. PL 111-11 XM Rate	Sabir
b. Remediation of 2014-2019 costs	Sabir
c. Recharacterization of Reimbursability of Costs (BGT 02-02)	Ann
3. CVPIA	
a. True-up and Accounting BPG	Heather
b. Finance Plan	Brooke
c. Progress Activity Report (CPAR)	Kevin
4. CBG’s CVP Reserved Works Application	Duane
5. CVP Final Cost Allocation (FCA) true-up	Sabir
6. Folsom SOD Cost Recovery - Dike 1-6	Sabir
7. Contractor Contact list	Lisa
Tracking Issues	
1. PL 116-260 Aging Infrastructure Account	Reclamation
2. WIIN Act Section 4007 Storage Projects	Vincent
3. Reclamation Manual Updates	Kevin
4. BORWORKS Enhancements	Sabir
5. Warren Act Rates for 2023	Sabir
6. Ability-to-Pay Studies	Steve
7. San Luis Joint Use O&M Cost Reallocation Study	Duane
8. Annual Budget Review with Stakeholders	Ann
9. Trinity PUD assessment collection	Sabir
10. WRDA 2022 draft language	Kevin

4. 2022 FAC Presentations

2022 FAC Schedule of Presentations – Updated 7/15/2022		
Month	Topic	Presenter
January 18	2022 FAC Issues Matrix	Kevin Kasberg
February 18	Regional Director 2022 Priorities	Ernest Conant
March 18	Annual Budget Process	Ann Lubas-Williams
April 22	CVPIA Finance Plan	Brooke White
May 20	BORWORKS 101	Sabir Ahmad/Anthea Hansen
June 17	Reserved Works Application for Aging Infrastructure Account Funding	Duane Stroup, Ed Young, Ann Lubas-Williams
July 15	Future Costs	Robert Ward
August 19	Ratesetting 101 – Rate Development	Sabir Ahmad
September 16	Revenues	Christiane Washington
October 21	Planning (Storage Projects)	Vincent Barbara
November 18	Implementing the Cost Allocation	Steve Pavich
December 16	TBD	

5. Reserved Works Application

6. September Presentation – Revenues with Christiane Washington



MEETING AGENDA
Friday, September 16, 2022 @2:30 pm
TEAMS Meeting

1. **Public Outreach Efforts/ Water Conservation Program Activities**

2. **Water Supply & Curtailment Update (SEWD)**

3. **Drought Response (completed and anticipated)**

4. **Project Updates**

5. **Future Agenda Items**

6. **Next Meeting:** *Friday, Oct 14, 2022 @ 1:00 pm*

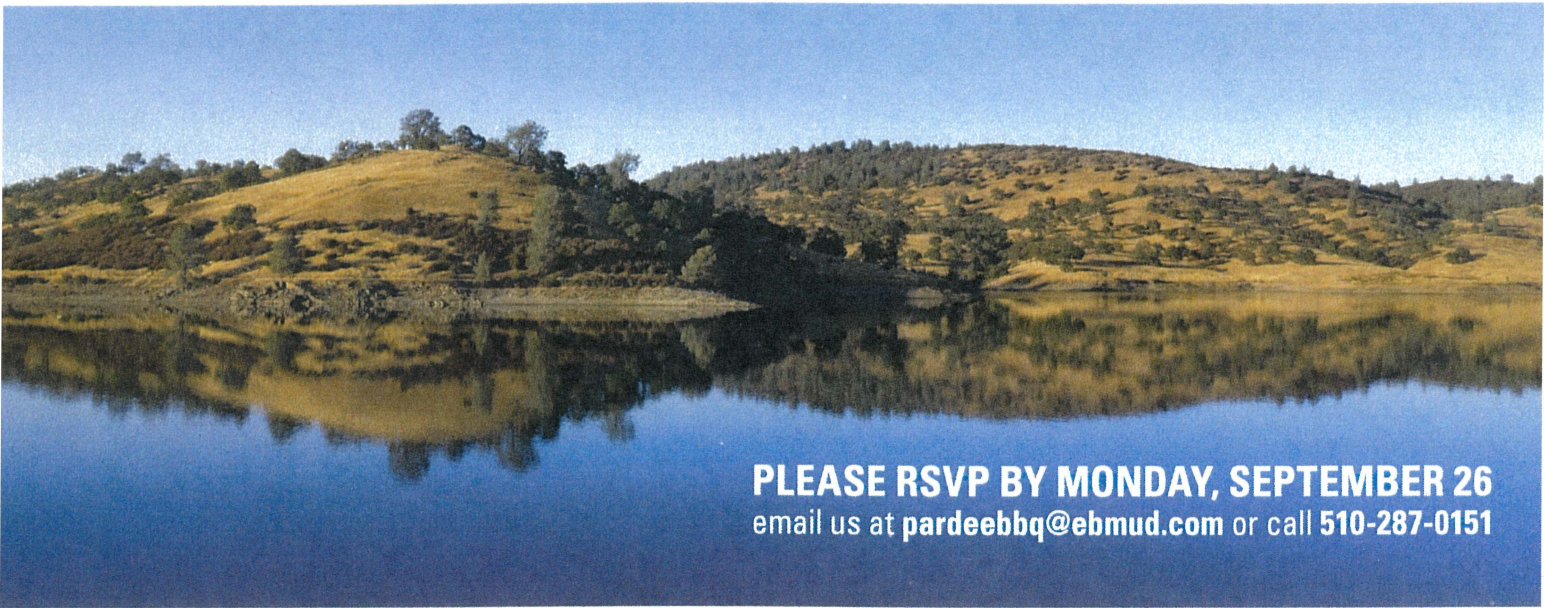
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27TH ANNUAL PARDEE BBQ

Friday, October 7, from 11:30 AM – 2 PM

In keeping with our theme of *Together Again* we ask that you join us in a relaxed and informal setting overlooking the beautiful Pardee Reservoir to celebrate our shared interests. A lot has been accomplished by many agencies, cities and counties over the past three years during a time when we could not be together.

Our keynote speaker, **Jennifer Spaletta, Attorney for the North San Joaquin Water Conservation District**, will address the challenges, trials and tribulations of staying the course in developing the DREAM project and the rewards of collaborating on a regional partnerships to solve water supply challenges.



PLEASE RSVP BY MONDAY, SEPTEMBER 26
 email us at pardeebbq@ebmud.com or call 510-287-0151

Directions to Pardee Center

McLean Hall, Pardee Center

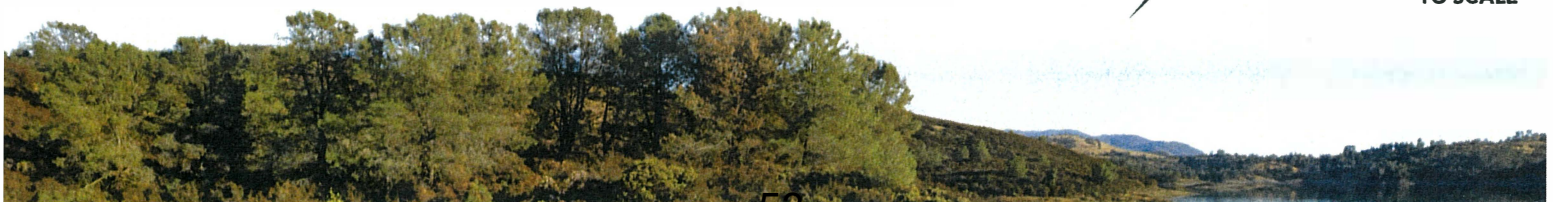
3535 Sandretto Road, Valley Springs, CA

From Jackson:

- From Highway 49 take Hoffman Street/Stony Creek Road
- Continue on Stony Creek Road, turn left on Pardee Dam Road and cross the dam and spillway
- Continue on Pardee Dam Road/Sandretto Road and turn left at the south gate of Pardee Center

From Valley Springs:

- At the intersection of Highways 12 and 26, turn north on Laurel Street
- Take the first right onto Daphne Street
- Continue onto Paloma Road
- Take a slight left onto Watertown Road
- Turn right onto Campo Seco Road
- Make a quick left turn onto Sandretto Road
- Continue 2.9 miles to the south gate of Pardee Center and turn right



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