



REGULAR BOARD MEETING

MARCH 9, 2021



**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

Scot A. Moody
General Manager

Justin M. Hopkins
Assistant 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

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, MARCH 9, 2021 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

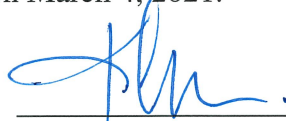
A.	Pledge of Allegiance (Director Panizza) & Roll Call	
B.	Consent Calendar (None)	
C.	Public Comment (Non-Agenda Items)	
D.	Scheduled Presentations and Agenda Items	
	1. Minutes 03/02/21 Regular Meeting	01
	2. Warrants – California Public Employees’ Retirement System	05
	3. Business Consultant Agreements 04/01/21 – 03/31/22	
	a. Anthony Barkett	07
	b. Doyce Boesch	09
	4. Stockton East Water District – Shut Down Projects Update Memo	11
	5. Stockton East Water District – Rubicon SCADA – One Year Subscription Memo	15
	6. Disinfection Alternatives Study Presentation	17
	7. Stockton East Water District – Draft 2020 Agricultural Water Management Plan	31

- E. Committee Reports**
 - 1. Eastern San Joaquin Groundwater Authority Ad-Hoc Technical Advisory Committee (TAC) Meeting, 03/04/21 35
 - 2. San Joaquin County & Delta Water Quality Coalition Meeting, 03/08/21
- F. Report of the General Manager**
 - 1. Water Supply Report as of 03/01/21 37
 - 2. Information Items
 - a. Material Included, but Bound Separately from Agenda Packet:
 - 1. New Agreement Will Conserve Threatened Steelhead And Secure Water Operations On The Calaveras River For 50 Years, CSDA News, Jan/Feb 2021
 - 2. COVID Drops – Says MD, The Linden Herald, 02/25/21
 - 3. Federal COVID-19 Relief Heads To U.S. Senate; Special District Advocacy Hits Critical Juncture, CSDA eNews, 03/01/21
 - 3. Report on General Manager Activities
 - a. Stockton East Water District Activities Update
- G. Director Reports**
- H. Communications**
- I. Agenda Planning/Upcoming Events**
 - 1. Eastern San Joaquin Groundwater Authority Steering Committee Meeting, 8:30 a.m., 03/10/21
Teleconference Only
 - 2. ACWA State Legislative Committee Meeting, 10:00 a.m., 03/12/21
- J. Report of the Counsel**
 - 1. Closed Session - Existing Litigation
Stockton East Water District vs. City of Stockton, et al.
Government Code 54956.9 (a)
 - 2. Closed Session – Personnel
Government Code 54957
- K. Adjournment**

Certification of Posting

I hereby certify that on March 4, 2021 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 March 4, 2021.



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, MARCH 2, 2021 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. Administrative Assistant Curtis led the Pledge of Allegiance.

Present at roll call at the District were Directors Cortopassi, Sanguinetti and Watkins. Also present were Manager Moody, Assistant Manager Hopkins, Finance Director Vega, Administrative Services Manager Carido and Administrative Assistant Curtis. Present at roll call via teleconference were Directors Atkins, McGaughey and Panizza. Also present via teleconference was Legal Counsel Zolezzi and Consultant Barkett.

B. CONSENT CALENDAR (None)

C. PUBLIC COMMENT (None)

D. SCHEDULED PRESENTATIONS AND AGENDA ITEMS

1. Minutes 02/23/2021 – Regular Board Meeting

A motion was moved and seconded to approve the February 23, 2021 Regular Board Meeting Minutes, as presented.

Roll Call:

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

Nays: None

Abstain: None

Absent: None

2. Warrants

a. Fund 68 – Municipal & Industrial Groundwater Fund

b. Fund 70 – Administration Fund

c. Fund 71 – Water Supply Fund

d. Fund 91 – Vehicle Fund

e. Fund 94 – Municipal & Industrial Fund

f. Summary

g. Short Names/Acronym List

h. SEWD Vehicles & Equipment

Director McGurk inquired on the expenses on page 15, line items 71 & 72 for SunE Solar Mission III LLC for energy produced on high side solar panels Jan 2021 in the amount of \$7,037.46 and for energy produced on low side solar panels Jan 2021 in the amount of \$6,727.68. Manager Moody replied this is the electricity produced by SunE Solar. The District pays them for electricity at a lower rate than what would be paid to PG&E.

Director Cortopassi inquired on the expenses on page 15, line items 52 & 53 for Aqua Metrology Systems for THM meter maintenance 11/13/19-11/12/20 in the amount of \$17,950 and for THM

meter maintenance 11/13/20-11/12/21 in the amount of \$17,950. Manager Moody replied this is annual maintenance and Aqua Metrology Systems forgot to bill the District for the work in 2019.

Director Cortopassi inquired on the expense on page 11, line item 29 for Dokken Engineering for CEQA fees for Gotelli Bridge 2 in the amount of \$7,760. Assistant Manager Hopkins replied this is for the CEQA documentation for the project. Manager Moody added with CEQA the District has to indicate instream work that will be conducted, what that will entail and the mitigation measures that will be used.

Director Cortopassi inquired on the expense on page 9, line item 17 for JWT & Associates, LLP for final bill for audit services FYE 03/31/20 in the amount of \$19,100. Finance Director Vega replied the total cost for all audit services was around \$33,000, which is reasonable compared to the last firm used. And when staff went out to bid for this work JWT & Associates were significantly cheaper than other firms.

A motion was moved and seconded to approve the March 2, 2021 Warrants, as presented.

Roll Call:

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

3. Stockton East Water District – April 2021 Salary Adjustment Per Memorandum Of Understanding Memo, 02/22/21

Manager Moody reported except in years where a salary survey is conducted, an annual Cost of Living Adjustment (COLA) is administered to all staff. Manager Moody reported when the salary survey was conducted in 2020 it was found that some positions are currently overpaid. The Board agreed that those overpaid would not receive a COLA increase until they equal out with their salaries.

Manager Moody advised that all positions coded with green boxes in the COLA increase column on the included exhibit will receive a COLA increase ranging from .89% to 2.5%. The positions coded with tan boxes will not receive a COLA increase until their salary has evened out.

A motion was moved and seconded to approve the April 2021 Salary Adjustment Per Memorandum Of Understanding Memo, as presented.

Roll Call:

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

E. COMMITTEE REPORTS

1. ACWA Agriculture Committee Meeting, 03/02/21

Director Watkins and Manager Moody attended the March 2, 2021 ACWA Agriculture Committee Meeting. Manager Moody reported Cindy Tuck provided an update on the bills that were introduced and that ACWA is reviewing. There was a Federal Relations update provided as well. Manager Moody reported the USBR provided an update on the water status for this year. President Watkins added that the central regions received 61% of the normal snowpack and that

is the best of all regions within the state. Manager Moody reported there was a presentation provided on the Airborne Snow Observatory. There was discussion on how observatory locations could be put in the mountains. It was discussed that using a plane for this work is far more expensive than older methods of having someone physically place markers in the snow. Currently this process is being funded by the state and state funding is trying to be acquired. Director Watkins added that the plane method is 90-96% accurate and the physical placement of the snow stick is 40-46% accurate. Manager Moody reported Tim Quinn, Stanford University led a discussion on the San Joaquin Valley Water Collaborative Action Program. There was a report provided on Lake Shasta and how temperature management is conducted. Manager Moody reported there was an update provided on Regions 2 & 8 and their projects. Director McGurk inquired if Northern California Water Association provided a presentation. Manager Moody replied yes, at the very end of the meeting. Manager Moody reported at one point they had 51 participants in attendance of the meeting.

F. REPORT OF GENERAL MANAGER

1. Water Supply Report as of 03/02/21

Manager Moody 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 147,884 AF in storage at New Hogan Reservoir. Current releases are set at 23 cfs. There is 1,555,440 AF in storage at New Melones Reservoir. Current release at Goodwin Dam to Stanislaus River are set at 210 cfs and release to all water users are set at 0 cfs. The City of Stockton is currently processing 13 mgd.

2. Information Items:

Manager Moody noted items: F2a-1, F2a-2, F2a-3 and F2a-4.

3. Report on General Manager Activities

a. Stockton East Water District Activities Update

Manager Moody reported staff broke ground on the Whittle's Project on Monday for the primary crossing. Due to impending rain next week there will likely be overtime hours worked over the weekend to finish part of the Project prior to the rain.

Manager Moody requested to take vacation from March 15th – 17th. There was no objection from the Board.

Director McGaughey inquired where the Linden Herald receives their information from regarding the District. Manager Moody replied they have requested to receive the Board Packages, so they are included on the weekly email distribution list.

G. DIRECTOR REPORTS (None)

H. COMMUNICATIONS (None)

I. AGENDA PLANNING/UPCOMING EVENTS

1. Eastern San Joaquin Groundwater Authority Ad-Hoc Technical Advisory Committee (TAC) Meeting, 10:00 a.m., 03/04/21

2. San Joaquin County & Delta Water Quality Coalition Meeting, 9:00 a.m., 03/08/21

J. REPORT OF THE COUNSEL

1. Closed Session - Existing Litigation
Stockton East Water District vs. City of Stockton, et al.
Government Code 54956.9 (a)

President Watkins adjourned the meeting to closed session at 12:49 p.m. to discuss closed session agenda items. District staff, with the exception to Manager Moody, were excused from the closed session meeting at 1:30 p.m. The regular meeting reconvened at 1:34 p.m., with no reportable action.

K. ADJOURNMENT

President Watkins adjourned the meeting at 1:35 p.m.

Respectfully submitted,

Scot A. Moody
Secretary of the Board

tbc

**STOCKTON EAST WATER DISTRICT
INVOICES FOR BOARD PACKAGE
CALPERS SPECIAL CHECK REQUEST
March 9, 2021**

Vendor name	District Fund#	Account #	Description	Amount	Invoice No.
1 CA Public Employees Retirement System (CalPERS)	70	10-5049-0	Retirement Contributions for Payroll 03/05/21-Admin	5,525.54	03/05/21 1245106351
			Total Fund 70 Admin	\$ 5,525.54	
1 CA Public Employees Retirement System (CalPERS)	71	10-5049-0	Retirement Contributions for Payroll 03/05/21-WS-NIM	2,633.27	03/05/21 1245106351
2 CA Public Employees Retirement System (CalPERS)	71	10-5058-0	Retirement Contributions for Payroll 03/05/21-WS-NH	1,238.02	03/05/21 1245106351
			Total Fund 71 Water Supply	\$ 3,871.29	
1 CA Public Employees Retirement System (CalPERS)	94	10-5049-0	Retirement Contributions for Payroll 03/05/21-M&I	17,956.94	03/05/21 1245106351
			Total Fund 94 Municipal & Industrial	\$ 17,956.94	
Grand Total for Special Check Request on RBM 03/09/21				\$ 27,353.77	

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BUSINESS CONSULTANT AGREEMENT

This Business Consultant Agreement (Agreement) is entered into this 1st day of April 2021 by and between STOCKTON EAST WATER DISTRICT (District) and ANTHONY M. BARKETT, (Consultant).

1. Consultation Services. District hereby employs Consultant to perform the following services in accordance with the terms and conditions set forth in this Agreement:

a. The Consultant will consult with the officers and employees of the District concerning matters for which District seeks Counsel on local, state and federal politics. The Consultant will also advise on business development and legal matters. The Consultant will not act as Legal Counsel for the District.

b. Consultant will represent District's interests before local, state and federal governmental agencies, elected representatives, regulatory agencies, and trade associations and public affairs groups with emphasis on District's needs in the water area.

2. Terms of Agreement. This Agreement is effective as of April 1, 2021 and shall continue for a period of one-year from the effective date, through March 31, 2022. Either party may cancel this agreement on thirty (30) day notice to the other party in writing, by certified mail or personal delivery.

3. Time Devoted by Consultant. It is anticipated the Consultant will spend approximately 8 hours per week in fulfilling its obligations under this Agreement. The particular amount of time may vary from day to day or week to week. However, the Consultant shall devote a minimum of 4 days per month to its duties in accordance with this agreement.

4. Place Where Services Will Be Rendered. The Consultant will perform services in accordance with this Agreement at its various places of business, including at 119 East Weber Avenue, Stockton CA 95202, as well as on the telephone, via internet and email, and at such other places as designated by the District to perform these services in accordance with this Agreement.

5. Payment to Consultant. The Consultant will be paid at the rate of Five Thousand Five Hundred Dollars (\$5,500.00) per month for work performed in accordance with this Agreement, and regardless of the amount of time spent in accordance with this Agreement. The Consultant will submit a statement for services rendered, and the District will pay the Consultant the amounts due within ten (10) days of receipt.

6. Independent Contractor. The parties agree that the Consultant will act as an

independent contractor in the performance of its duties under this Agreement. Accordingly, the Consultant shall be responsible for payment of all taxes including federal, state and local taxes arising out of the Consultant's activities in accordance with this contract, including by way of illustration but not limitation, federal and state income tax, Social Security tax, Unemployment Insurance taxes, and any other taxes or business license fee as required.

7. Confidential Information. The Consultant agrees that any information received by the Consultant during any furtherance of the Consultant's obligations in accordance with this Agreement, that concerns the affairs of the District will be treated by the Consultant in full confidence and will not be revealed to any other persons, firms or organizations.

8. Employment of Others. The District may from time to time request that the Consultant arrange for the services of others. All costs to the Consultant for those services will be paid by District, but in no event shall the Consultant employ others without the prior authorization of District.

STOCKTON EAST WATER DISTRICT

DRAFT

By: _____

Andrew Watkins, President
Stockton East Water District
P O Box 5157
Stockton CA 95205-0157
(209) 948-0333

DRAFT

Attest: _____

Scot A. Moody
Secretary of the Board

DRAFT

By: _____

Anthony M. Barkett, Consultant
Law Office of Anthony M. Barkett
119 East Weber Avenue
Stockton CA 95202
(209) 609-7745

BUSINESS CONSULTANT AGREEMENT

This Business Consultant Agreement (Agreement) is entered into this 1st day of April 2021 by and between STOCKTON EAST WATER DISTRICT (District) and DOYCE BOESCH, (Consultant).

1. Consultation Services. District hereby employs Consultant to perform the following services in accordance with the terms and conditions set forth in this Agreement:

a. The Consultant will consult with the officers and employees of District concerning matters for which District seeks federal funding and/or support, or needs federal legislation.

b. Consultant will represent District's interests before federal governmental agencies, elected representatives, regulatory agencies, and trade associations and public affairs groups with emphasis on District's needs in the water area.

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3. Time Devoted by Consultant. It is anticipated the consultant will spend approximately 8 hours per week in fulfilling its obligations under this contract. The particular amount of time may vary from day to day or week to week. However, the consultant shall devote a minimum of 4 days per month to its duties in accordance with this agreement.

4. Place Where Services Will Be Rendered. The Consultant will perform most services in accordance with this contract at its place of business at 1120 G Street NW, Suite 1000, Washington DC 20005, as well as on the telephone, via internet and email, and at such other places as designated by the District to perform these services in accordance with this Agreement.

5. Payment to Consultant. The Consultant will be paid at the rate of Seven-Thousand Dollars (\$7,000.00) per month for work performed in accordance with this Agreement, and regardless of the amount of time spent in accordance with this Agreement. The Consultant will submit a statement for services rendered, and the District will pay the Consultant the amounts due within ten (10) days of receipt.

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STOCKTON EAST WATER DISTRICT

DRAFT

By: _____
Andrew Watkins, President
Stockton East Water District
PO Box 5157
Stockton CA 95205-0157
(209) 948-0333

DRAFT

Attest: _____
Scot A. Moody
Secretary of the Board

DRAFT

By: _____
Doyce Boesch, Consultant
1120 G Street NW, Suite 1000
Washington DC 20005
(202) 731-9995



Figure 2. Whittle Ranch Main Crossing Construction

High Voltage Inspection

The high voltage inspection commenced on March 1 and the work is being performed by High-voltage Apparatus Repair and Testing, Inc. (Hart), under observation of a District electrician (Figure 3). As of March 4, Hart successfully inspected and tested all the sedimentation basin, filter gallery, operations building, administration building, and Low Lift Pump Station electrical equipment. The work is on schedule and has an estimated completion date of March 5. Upon completion, Hart will provide the District with a report of findings and recommendations for repairs.



Figure 3. HSPS Switchboards Inspection

Master Backwash Valve Project

MarTech Inc., the contractor for the Master Backwash Valve Project, began mobilizing the week of February 22 in preparation for the work that commenced on March 1. The master backwash

valve was successfully removed and replaced by March 3 (Figure 4). Work to remove and replace the two 42" filter effluent isolation valves began March 3 and is planned to be complete by March 6. All work performed by MarTech Inc. requiring shutdown of the WTP is on schedule for completion by March 7. District staff plan to restart the WTP on March 8 and expect to restore service to the Urban Contractors no later than March 10.



Figure 4. Master Backwash Valve Replacement

Low Lift Pump Station Sump Cleaning

The Low Lift Pump Station (LLPS) sump cleaning was arduous and marginally successful. District staff had to overcome the leaking influent isolation gates daily. Once the LLPS sump was pumped down each morning, work was able to commence to perform an inspection and remove debris. District staff cleaned the sump on March 1st, 2nd, and completed cleaning on the 4th (Figure 5). Several inches of sediment, thousands of mussels, and two turtles were removed (alive) during the cleaning. Cleaning was not fully completed due to frequent debris pump and vacuum unit plugging. Excepting the leaking gate, the sump is structurally in good condition. Staff also performed a cursory inspection of the pumping units: P-1 is in fair condition and P-2, 3, and 4 are in good condition.

Backwash Pump Victaulic Gasket Replacement

Although replacement of the 24" Victaulic gaskets on each of the three backwash pumps was not a WTP shutdown sensitive project, the gasket replacements provided good fill-in work when other activities had to be paused. Staff successfully replaced gaskets on P-19 and P-21 (Figure 6). The gasket for P-20 will be replaced after the WTP has resumed production. Prior to replacement, all three Victaulic connections were leaking water during the filter backwash processes.



Figure 5. LLPS Sump Inspection and Cleaning

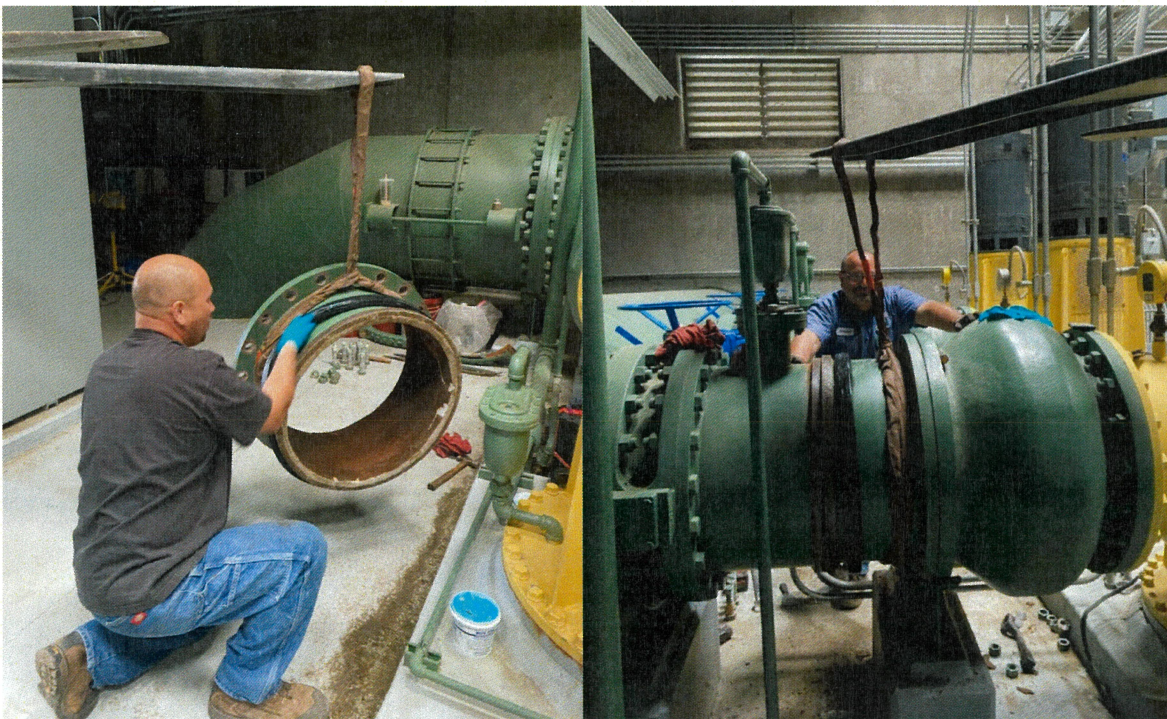


Figure 6. Backwash Pump Victaulic Gasket Replacement

Memorandum

To: Scot A. Moody, General Manager
From: Justin Hopkins, Assistant General Manager
Date: March 9, 2021
Re: Rubicon SCADA – One Year Subscription

BACKGROUND:

On December 15, 2020, the Stockton East Water District (District) Board of Directors (Board) approved the Fiscal Year 2021-2022 (FY21-22) budget. The approved budget includes multiple projects in the water supply system and at the water treatment plant, 54 in total, to be completed by the District's various departments.

SUMMARY

Staff developed the FY21-22 projects in a collaborative effort and based project selection on the District's ability to adequately schedule and complete the work. Even though staff pursued a common-sense approach for project selection, the District must perform more work than the District has staff and equipment available to complete projects. As such, several projects were budgeted and scheduled for a contractor to complete the work at a greater cost. The FY21-22 budget cost increased approximately \$490,000 to fund contractor construction of certain projects.

To accomplish the tentative project schedule for FY21-22 (Figure 1), District management proposes to dedicate three Water Supply staff to full-time construction, one Water Supply staff to full-time vegetation maintenance, and five Water Supply staff for rotational operation of the water supply system. The District has not previously been required to accomplish such an aggressive construction and maintenance schedule during the irrigation season, however changing/new regulations, deferred maintenance, and facilities reaching the end of their useful lives warrants increased effort. Achieving completion of all projects as planned is only possible by allowing very few, if any, Water Supply Staff vacations and through increased remote monitoring and control of the District's newly automated facilities.

Prior to the beginning of the 2021 irrigation season, the District is hopeful to have automated flow control equipment installed at the Lower Farmington Canal headworks, the Mosher Creek headworks, the PC-1, -2, and -3 outlets, and the 66 Vault outlet. All of the projects were planned with and include funding for a SCADA component to connect the facilities to the District's SCADA system. Although the SCADA equipment will be purchased before the end of the current fiscal year, staff is unable to procure, install, integrate, and provide remote access to the sites.

To provide an immediate, but temporary SCADA solution, staff proposes to purchase the necessary radio equipment and annual subscriptions to connect the automated facilities to Rubicon's web hosted SCADA system, SCADAConnect Live. The temporary SCADA solution requires an annual fee of \$750 plus the purchase of a \$1,000 radio, per site. The annual fee will only be required for one year. The radio is not compatible with the District's telemetry network and will be a sunk cost. The estimated cost to implement a temporary SCADA solution is \$10,500.

Disinfection Alternatives Study

Preliminary Engineering Report – Board Presentation

Chris Cleveland, P.E.
Project Manager



Dr. Thomas Gillogly
Disinfection Technologist

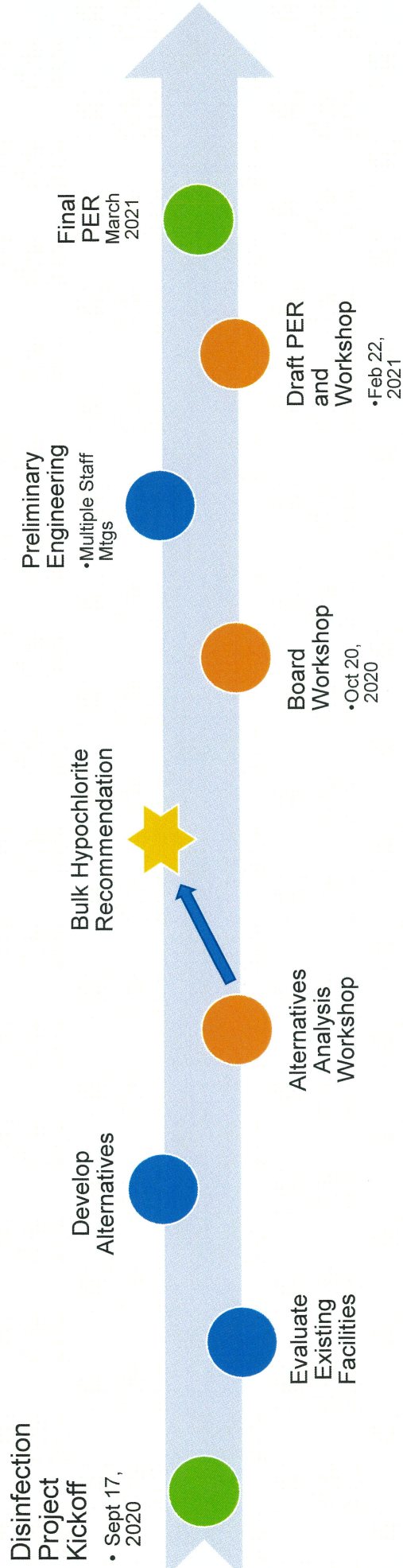


SEWD // March 9, 2021

Agenda

- ✓ How We Got Here
- ✓ Preliminary Engineering Report
- ✓ Project Components
- ✓ Next Steps
- ✓ Q&A

// How We Got Here



// Preliminary Engineering Report

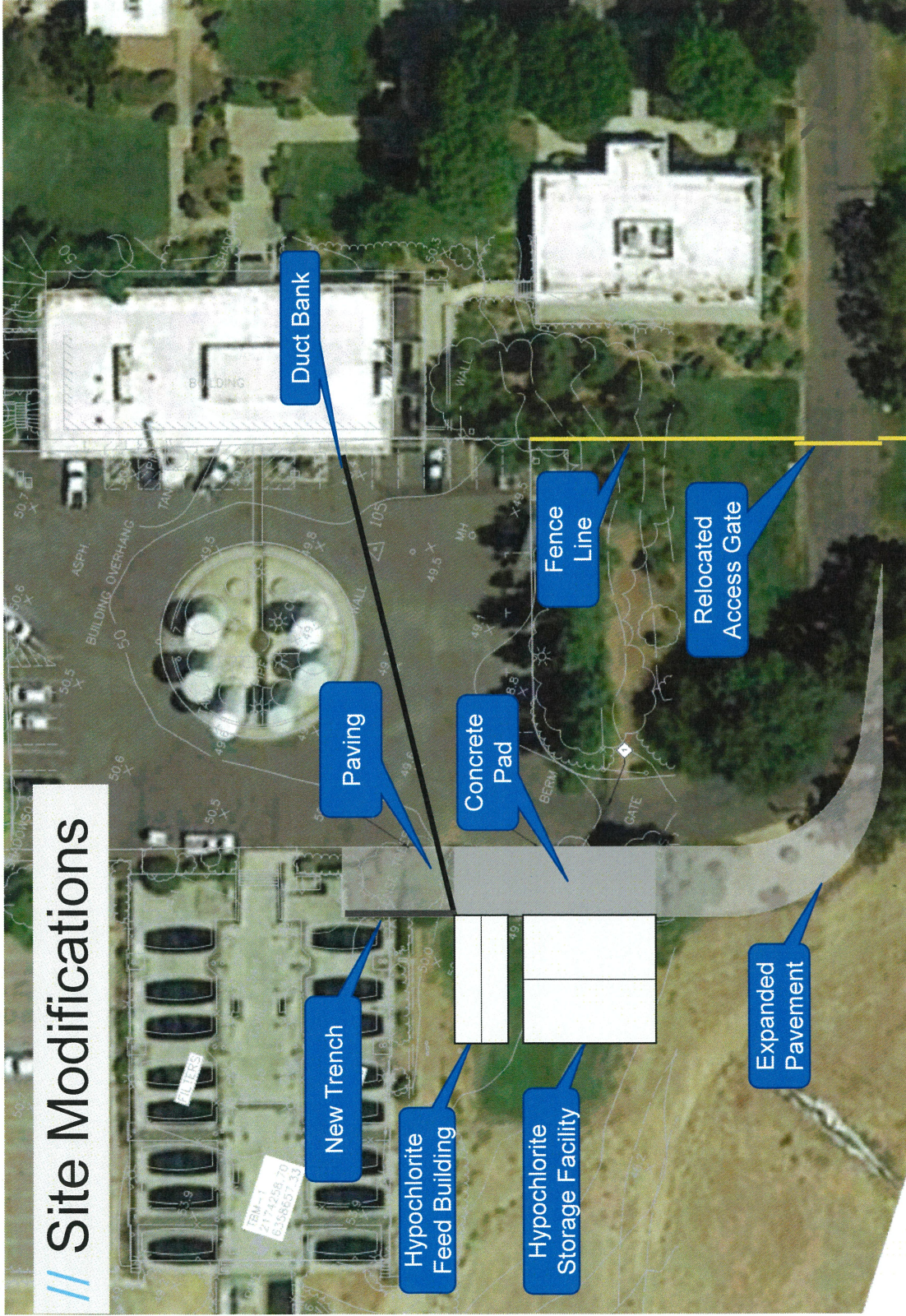


Stockton East Water District
Disinfection Alternatives Study
PRELIMINARY ENGINEERING
REPORT

DRAFT | February 2021



- Section 1 - Introduction
- Section 2 - Sodium Hypochlorite Characteristics
- Section 3 - Design Criteria
- Section 4 - Tank Layout Design
- Section 5 - Chemical Feed
- Section 6 - Facility Details of Construction
- Section 7 - Electrical, Instrumentation and Controls
- Section 8 - Demolition
- Section 9 - Construction Implementation and Sequencing
- Section 10 - Cost Estimates
- Section 11 - Ozone
- Section 12 - Summary and Conclusions

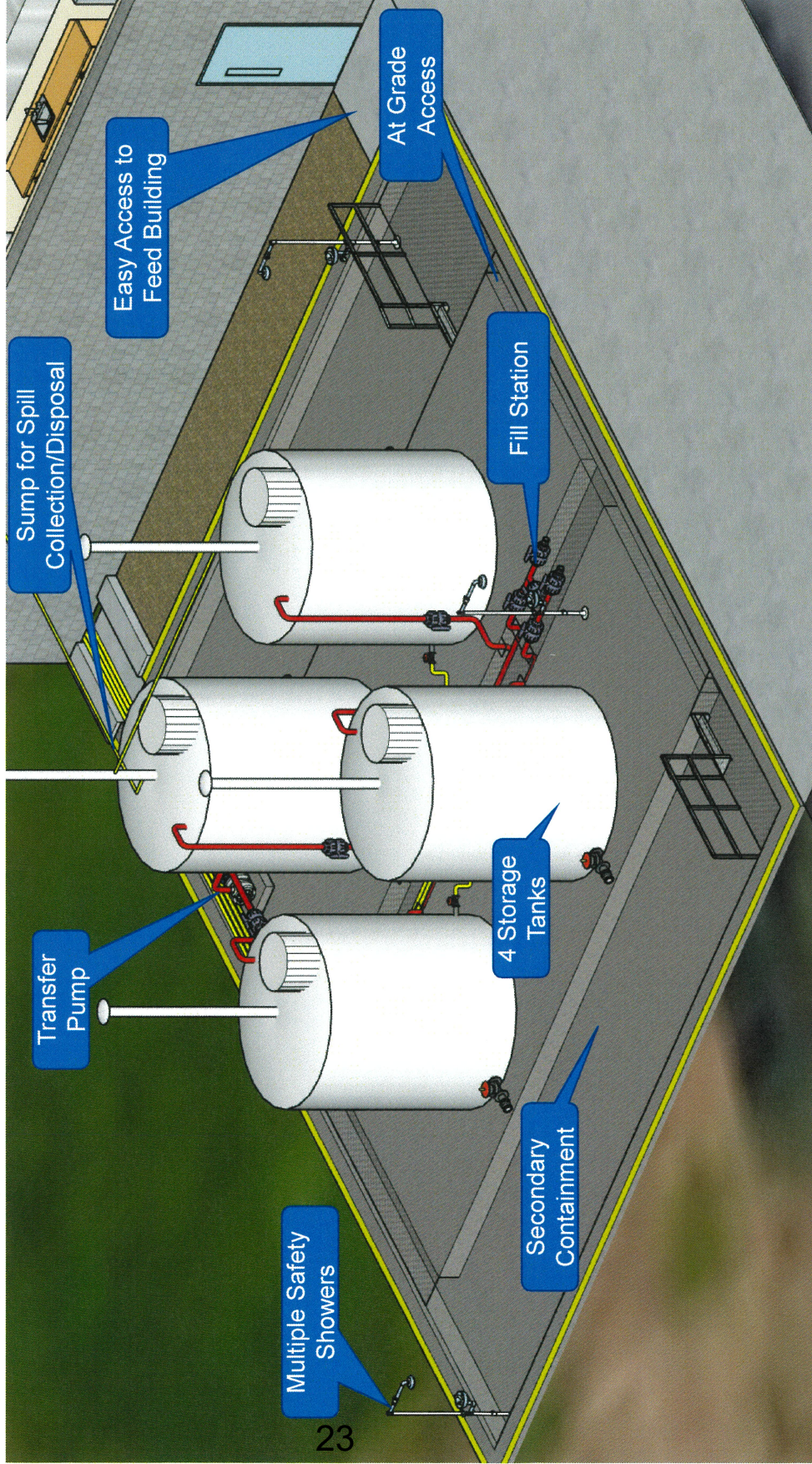


Site Modifications

// Hypochlorite Facilities



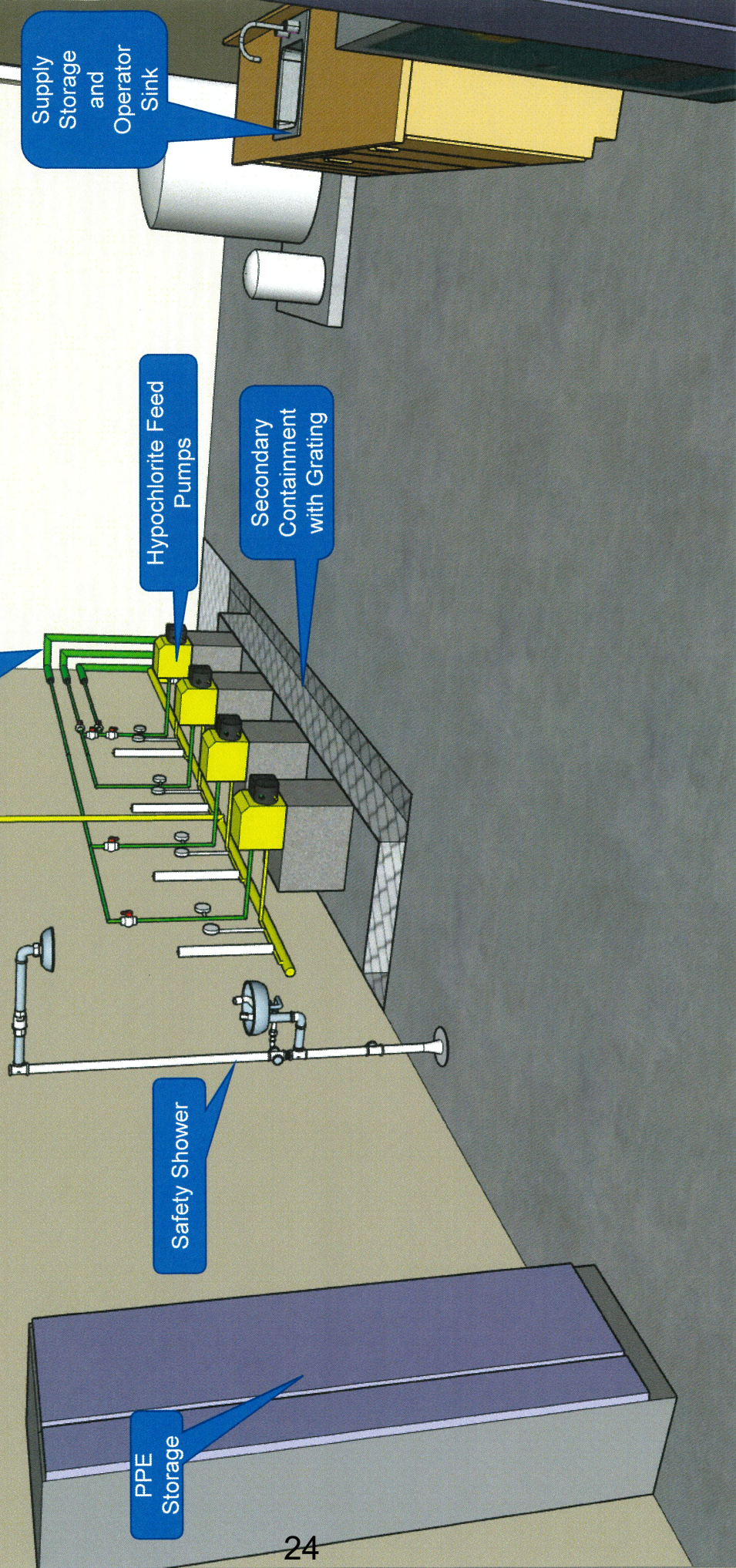
// Bulk Hypochlorite Storage Facility



// Hypochlorite Feed Building

Double Contained Feed Piping

- 2 Primary Hypo App Points, 1 Optional Primary & Backup Injectors
- 3 Operator-Selectable Dose Modes



// Hypochlorite Feed Building

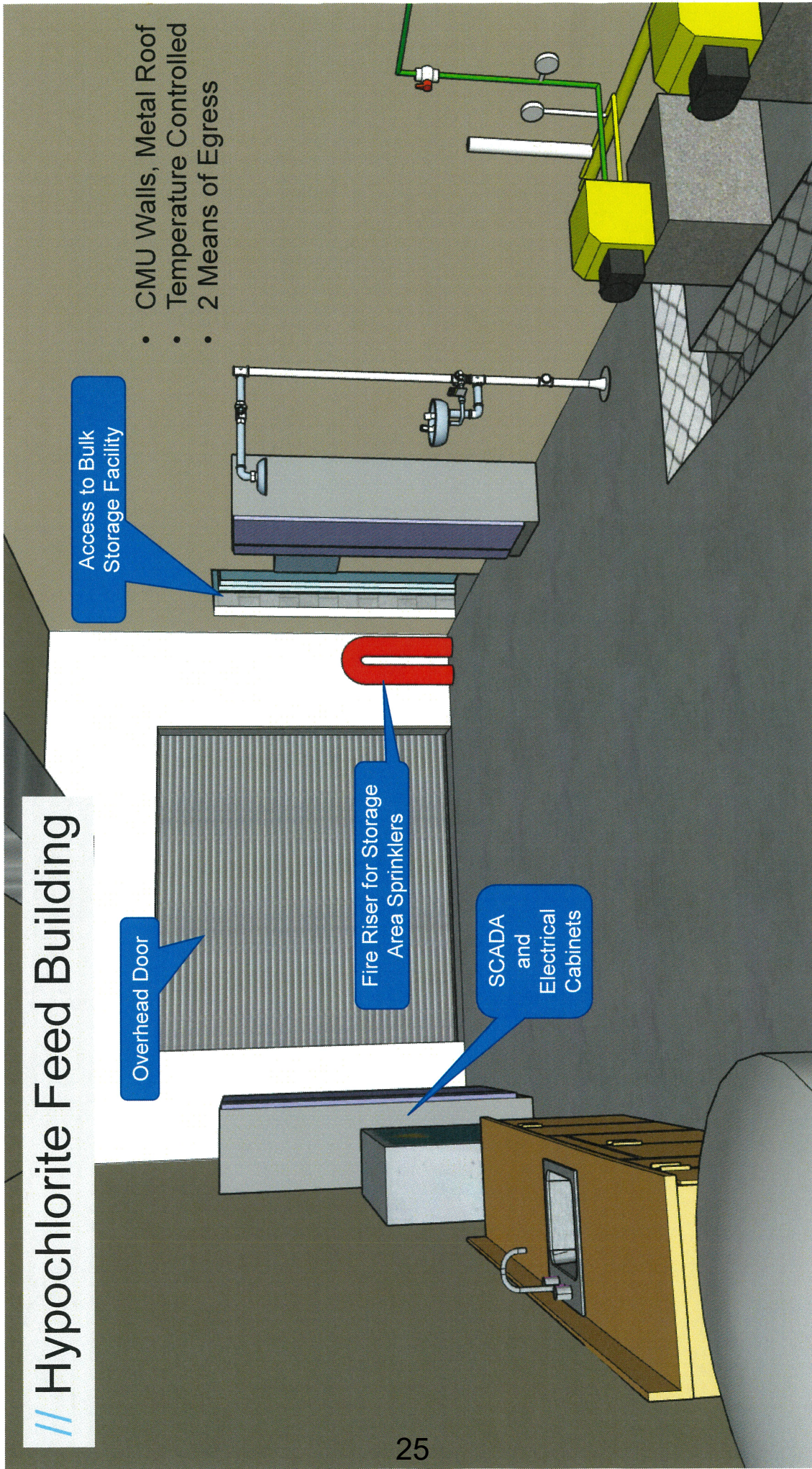
Overhead Door

Fire Riser for Storage Area Sprinklers

SCADA and Electrical Cabinets

Access to Bulk Storage Facility

- CMU Walls, Metal Roof
- Temperature Controlled
- 2 Means of Egress



// Existing Chlorine Gas System Demolition

PRELIMINARY ENGINEERING REPORT | ALTERNATIVES DISINFECTION STUDY | STOCKTON EAST WATER DISTRICT



PHOTO - CHLORINATOR & INSTRUMENTATION IN CHLORINE GAS ROOM



PHOTO - PIPING IN CHLORINE GAS STORAGE ROOM

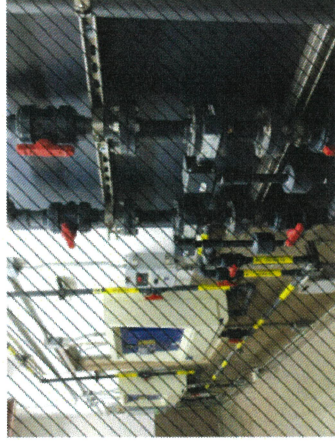


PHOTO - PIPING AND INSTRUMENTATION IN CHLORINE GAS ROOM



PHOTO - SCRUBBER (OUTSIDE)



PHOTO - SCRUBBER (INSIDE CHLORINE GAS STORAGE ROOM)

Figure 18 Existing Chlorine Room

// Project Cost Estimate

Item No.	Description	Total	Notes
01	General Conditions	\$337,000	
02	Mechanical Equipment	\$673,000	
03	Building (960 sf)	\$298,000	\$310/sf
04	Shade Structure with Containment	\$726,000	\$270/sf
05	Civil/Site ¹	\$388,000	
06	Electrical, Instrumentation, and Controls	\$337,000	
07	Demolition	\$50,000	
Total Direct Cost		\$2,809,000	
Total Markups Cost (66.7 percent) ⁽¹⁾		\$1,873,000	Includes contingency, contractor costs, escalation, and tax.
Total Estimated Construction Cost		\$4,690,000	
Engineering, Legal, Administration, Change Order Cost (25.0 percent) ⁽¹⁾		\$1,170,000	Includes engineering, legal, and administration fees and owner's reserve for change orders.
Total Estimated Project Cost		\$5,850,000	

NOTES:

1. Costs are Level 4 AACE Estimates and have an accuracy of -30% to +50%
2. Costs rounded to the nearest \$1,000
3. Additional cost detail provided in Appendix D of the PER

// Next Steps

- Finalize PER (March 31)
- Geotechnical Investigations (Mar-May)
- Final Design (8 months)
- Bid and Construction (Q1 2022)
- Ozone Preliminary Engineering and Testing

Questions?

Disinfection Alternatives Study

Stockton East Water District

Chris Cleveland, P.E.
Project Manager

Dr. Thomas Gillogly
Disinfection Technologist



SEWD // March 9, 2021

Disinfection Alternatives Study

Preliminary Engineering Report – Board Presentation

Chris Cleveland, P.E.
Project Manager



Dr. Thomas Gillogly
Disinfection Technologist



SEWD // March 9, 2021

Memorandum

To: Scot A. Moody – General Manager
From: Justin Hopkins – Assistant General Manager
Darrel Evensen – District Engineer
Manuel Verduzco – Senior Engineer
Date: 03/09/2021
Re: 2020 Draft Agricultural Water Management Plan (AWMP)

BACKGROUND

Senate Bill (SB) X7-7 requires agricultural water suppliers, defined as a water supplier providing water to 10,000 or more irrigated acres, prepare and adopt agricultural water management plans with specified components on or before December 31, 2012 and update these plans every 5 years thereafter. Stockton East Water District (District) has prepared the draft 2020 Agricultural Water Management Plan (AWMP) and the final AWMP is due April 1, 2021.

The draft AWMP was prepared in accordance with the 2020 Agricultural Water Management Plan Guidebook developed by California Department of Water Resources (DWR). The Guidebook states that DWR will accept a USBR WMP as a substitute for the 2020 AWMP plan under the following conditions:

- The supplier adopted and submitted a USBR WMP within the last four years (e.g. on 4/1/2017 or later) and USBR accepted the plan as adequate
- The following additional documentation must be submitted to DWR as an attachment to the adequate USBR WMP:
 - Agricultural Water Measurement Regulation Documentation (Five attachments :)
 - If supplier has not implemented all Efficient Water Management Practices (EWMP), a schedule, financing plan, and budget for implementation of remaining EWMPs to be considered for loan/grant availability
 - Documentation of the same process of Notification, Public Participation, Adoption, and Submittal per DWR AWMP requirements

NEXT STEP

The District has completed the additional required AWMP documents to accompany the District's 2019 USBR WMP submission to DWR. Staff will publish the Notice of Preparation per Section 6066 of Government Code, receive comments, and update the final AWMP for Board's approval on 3/30/2021.



**STOCKTON
EAST WATER
DISTRICT**

PROVIDING SERVICE SINCE 1948

www.sewd.net

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Post Office Box 5157
Stockton, CA 95205

Notification of Preparation Agriculture Water Management Plan

The Agricultural Water Management Planning Act requires that the Stockton East Water District (District) prepare and adopt an Agricultural Water Management Plan (AWMP). The draft AWMP is available for public review and the District will hold a public hearing for public review and comment. The public review will begin Tuesday, March 16, 2021. The public hearing to receive comments on the AWMP will be proposed to for March 30, 2021 as part of the regular District Board meeting held at 12:30 PM, at the District office located at 6767 East Main Street, Stockton, CA 95215.

The draft AWMP is available on SEWD's website (i.e. www.sewd.net) or at the District Administrative Building for public viewing.

If you are unable to attend the public hearing, but would like to provide comments, you may send in your written comments via mail, or by e-mail prior to the public hearing to:

Manuel Verduzco
Stockton East Water District
P.O. Box 5157
Stockton, CA 95205
mverduzco@sewd.net

Should you have any questions, please call me at 209.948.0333.

Thank you,

Scot A. Moody
General Manager

Stockton East Water District

2020 Agricultural Water Management Plan



DRAFT



March 2021

CONTENTS

2019 SEWD USBR WATER MANAGEMENT PLAN

Attachments A Thru X 2019 SEWD USBR Water Management Plan

Attachment Y DWR 2020 SEWD Agricultural Water Management Plan Requirements

AWMP Attachment Y.1. Legal Certification and Apportionment Required for Water Measurement

AWMP Attachment Y.2. Engineer Certification and Apportionment Required for Water Measurement

AWMP Attachment Y.3. Water Measurement Best Professional Practices

AWMP Attachment Y.4. Description of Water Measurement Conversion to Volume

AWMP Attachment Y.5. Device Corrective Action Plan Required for Water Measurement

AWMP Attachment Y.6. DWR Notice of AWMP Preparation

AWMP Attachment Y.7 Efficient Water Management Practices



TECHNICAL ADVISORY COMMITTEE MEETING

AGENDA

Thursday, March 4, 2021

10:00 a.m. – 12:00 p.m.

Call-In Information Provided Below

Note to participants: Members of the public, most staff and other GSA/GWA persons may participate via the teleconference line only. Thank you for your understanding.

Call to Order/Roll Call

A. Discussion/Action Items

1. February 4, 2021 meeting notes (see attached)
2. Woodard Curran Proposal (see attached)
 - a. Other optional model related tasks
3. American River Status Hearing March 16, messaging and GWA position
4. Water available for recharge and priority for development
5. Technical work for FY 21-22
6. Outreach for FY 21-22
7. Groundwater accounting framework

B. Next Meeting April 8, 2021 and future agenda items

C. Adjournment

NOTICE: Coronavirus COVID-19

Based on guidance from the California Department of Public Health and the Governor's Office, the Teleconference information below is being provided for your participation in the November 13th Technical Advisory Committee Meeting.

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

+1 209-645-4071 United States, Stockton

Phone Conference ID: 518 405 639#

[Find a local number](#) | [Reset PIN](#)

[Learn More](#) | [Meeting options](#)

Once connected, we request you kindly mute your phone.

If you are connecting to Microsoft Teams for the first time, you will need to download the program to you PC. You can also download the Microsoft Teams App to you Apple or Android device by visiting the App Stores.

Proposed Next Regular Meeting

Thursday, April 8, 2021

10:00am – 12:00pm

Weekly Water Report	As of: March 1, 2021	As of: March 8, 2021
New Hogan (NHG) TOC	202,290	AF
Storage:	147,884	AF
Net Storage Change:	+278	AF
Inflow:	52	CFS
Release:	23	CFS
New Melones (NML) Allocation	75,000	AF
Storage:	1,555,440	AF
Net Storage change:	+1,992	AF
Inflow:	489	CFS
Release:	344	CFS
Source: CDEC Daily Reports		

Goodwin Diversion (GDW)		
Inflow (Tulloch Dam):	361	CFS
Release to Stanislaus River (S-98):	210	CFS
Release to OID (JT Main):	229	CFS
Release to SSJID (SO Main):	72	CFS
Release to SEWD:	<u>0</u>	CFS
Total Release	511	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:	0	
Irrigators on New Melones:	0	
Out-Of-District Irrigators:	0	
DJWWTP Production:	N/A	MGD
North Stockton:	0	MGD
South Stockton:	N/A	MGD
Cal Water:	N/A	MGD
City of Stockton DWSP Production:	13	MGD

District Ground Water Extraction		
74-01	0	GPM
74-02	0	GPM
North	0	GPM
South	0	GPM
Extraction Well # 1	<u>0</u>	GPM
Total Well Water Extraction	0	GPM

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

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