

March 14, 2023

MEETING NOTICE**SANTA CLARA VALLEY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM COMMITTEE**

Members of the Capital Improvement Program Committee:

Director Nai Hsueh, Chairperson
Director Tony Estremera, Vice-Chairperson
Director Jim Beall, Committee Member

Staff Support of the Capital Improvement Program Committee:

Rick L. Callender, Esq., Chief Executive Officer
Melanie Richardson, Asst. Chief Executive Officer
Christopher Hakes, Acting Asst. Chief Executive Officer
Darin Taylor, Chief Financial Officer
Aaron Baker, Chief Operating Officer – Water Utility
Rechelle Blank, Chief Operating Officer – Watersheds
Bhavani Yerrapotu, Interim Chief Operating Officer - Watersheds
Rachael Gibson, Chief of External Affairs
Tina Yoke, Chief Administrative Officer
Leslie Orta, Senior Assistant District Counsel
Audrey Beaman, Assistant District Counsel
Sam Bogale, Deputy Operating Officer
Tony Ndah, Deputy Administrative Officer
Don Rocha, Deputy Administrative Officer
Michael Cook, Deputy Administrative Officer
John Bourgeois, Deputy Operating Officer
Jennifer Codianne, Deputy Operating Officer
Emmanuel Aryee, Deputy Operating Officer
Vincent Gin, Deputy Operating Officer
Gregory Williams, Deputy Operating Officer
Patrice McElroy, Deputy Administrative Officer
Kirsten Struve, Assistant Officer
Lisa Bankosh, Assistant Officer
Alex Gordon, Assistant Officer
Bryant Welch, Labor Relations Officer

David Montenegro, Principal Construction Contracts Administrator
Erin Baker, Asset Management Manager
Charlene Sun, Treasure & Debt Manager
Jessica Collins, Business Planning and Analysis Unit Manager
Enrique De Anda, Budget Manager
Jennifer Martin, Program Administrator
Conception Gayotin, Purchasing & Contracts Manager
Linh Hoang, Communications Manager
Jill Bernhard, Acting System Development & Support Manager
Sarah Berning, Program Administrator
Phyllis Chen, Senior Management Analyst
Alison Phagan, Senior Management Analyst
Stacy Klopfer, Senior Management Analyst
Agnes Lee, Senior Management Analyst
Chenlei Yao, Senior Management Analyst
Feliser Lee, Senior Management Analyst
Timothy Chan, Management Analyst II
Kristie Resendez, Management Analyst II
Odilia Leonardo, Staff Analyst

A Santa Clara Valley Water District special Capital Improvement Program Committee meeting has been scheduled to occur at 11:30 a.m. on Monday, March 20, 2023 in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden, San Jose, CA.

Members of the public may join at: <https://valleywater.zoom.us/j/94158013374>

The meeting agenda and corresponding materials are located on the Committee's website at: <https://www.valleywater.org/how-we-operate/committees/board-committees>.

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Santa Clara Valley Water District Capital Improvement Program Committee Meeting

Headquarters Building Boardroom
5700 Almaden Expressway, San Jose, CA 95118

Join Zoom Meeting:
<https://valleywater.zoom.us/j/94158013374>

SPECIAL MEETING AGENDA

**Monday, March 20, 2023
11:30 AM**

District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.

BOARD COMMITTEE MEMBERS:

Committee Chair:
Director Nai Hsueh, District 5

Committee Vice Chair:
Director Tony Estremera, District 6

Committee Member:
Director Jim Beall, District 4

During the COVID-19 restrictions, all public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body, will be available to the public through the legislative body agenda web page at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to participate in the legislative body's meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

COMMITTEE LIAISON:
Jessica Collins

COMMITTEE CLERK:
Eva Marie Sans
Assistant Deputy Clerk II
408-265-2306
esans@valleywater.org
www.valleywater.org

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

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Santa Clara Valley Water District
Capital Improvement Program Committee
REGULAR MEETING
AGENDA

Monday, March 20, 2023

11:30 AM

Headquarters Building Boardroom
5700 Almaden Expressway, San Jose, CA 95118

Join Zoom Meeting:
<https://valleywater.zoom.us/j/94158013374>

*****IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS*****

Santa Clara Valley Water District (Valley Water) Board of Directors/Board Committee meetings are held as a “hybrid” meetings, conducted in-person as well as by telecommunication, and is compliant with the provisions of the Ralph M. Brown Act.

To maximize public safety while still maintaining transparency and public access, members of the public have an option to participate by teleconference/video conference or attend in-person. To observe and participate in the meeting by teleconference/video conference, please see the meeting link located at the top of the agenda. If attending in-person, you are required to comply with Ordinance 22-03 - AN ORDINANCE OF THE SANTA CLARA VALLEY WATER DISTRICT SPECIFYING RULES OF DECORUM FOR PARTICIPATION IN BOARD AND COMMITTEE MEETINGS located at <https://s3.us-west-2.amazonaws.com/valleywater.org.if-us-west-2/f2-live/s3fs-public/Ord.pdf>

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee at a video conferenced meeting, during public comment or on any item listed on the agenda, should use the “Raise Hand” tool located in the Zoom meeting link listed on the agenda, at the time the item is called. Speakers will be acknowledged by the Board Chair in the order requests are received and granted speaking access to address the Board.

- Members of the Public may test their connection to Zoom Meetings at: <https://zoom.us/test>
- Members of the Public are encouraged to review our overview on joining Valley Water Board Meetings at: <https://www.youtube.com/watch?v=TojJpYCxXm0>

Valley Water, in complying with the Americans with Disabilities Act (ADA), requests individuals who require special accommodations to access and/or participate in Valley Water Board of Directors/Board Committee meetings to please contact the Clerk of the Board’s office at (408) 630-2711, at least 3 business days before the scheduled meeting to ensure that Valley Water may assist you.

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley Water's bonds, notes or other obligations. Any projections, plans or other forward-looking statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of Valley Water's bonds, notes or other obligations and investors and potential investors should rely only on information filed by Valley Water on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures and Valley Water's Investor Relations website, maintained on the World Wide Web at [h t t p s : / / e m m a . m s r b . o r g /](http://emmas.msrb.org/) and <https://www.valleywater.org/how-we-operate/financebudget/investor-relations>, respectively.

Under the Brown Act, members of the public are not required to provide identifying information in order to attend public meetings. Through the link below, the Zoom webinar program requests entry of a name and email address, and Valley Water is unable to modify this requirement. Members of the public not wishing to provide such identifying information are encouraged to enter "Anonymous" or some other reference under name and to enter a fictional email address (e.g., attendee@valleywater.org) in lieu of their actual address. Inputting such values will not impact your ability to access the meeting through Zoom.

Join Zoom Meeting:

<https://valleywater.zoom.us/j/94158013374>

Meeting ID: 941 5801 3374

Join by Phone:

1 (669) 900-9128, 94158013374#

1. CALL TO ORDER:

1.1. Roll Call.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.

Notice to the Public: Members of the public who wish to address the Committee on any item not listed on the agenda should access the "Raise Hand" tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in order requests are received and granted speaking access to address the Committee. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.

3. APPROVAL OF MINUTES:

- 3.1. Approval of February 13, 2023 Capital Improvement Program Committee Minutes. [23-0219](#)
- Recommendation: Approve the minutes.
- Manager: Candice Kwok-Smith, 408-630-3193
- Attachments: [Attachment 1: 02/13/23 CIP Committee Meeting Minutes](#)
- Est. Staff Time: 5 Minutes

4. REGULAR AGENDA:

- 4.1. Review Capital Project Monitoring - Construction Report. [23-0226](#)
- Recommendation: Receive and discuss information regarding the status of capital projects in the construction phase.
- Manager: Bhavani Yerrapotu, 408-630-2735
Emmanuel Aryee, 408-630-3074
Christopher Hakes, 408-630-3796
Mike Cook, 408-630-2424
- Attachments: [Attachment 1: Capital Project Monitoring - Construction](#)
- Est. Staff Time: 15 Minutes
- 4.2. Consider Staff's Recommendation to Include the Pond A4 Resilient Habitat Restoration Project, a new Initially Validated Water Resources Stewardship Project, in the Capital Improvement Program (CIP) Final FY2024-28 Five-Year Plan. [23-0293](#)
- Recommendation: Consider Staff's Recommendation to Include the Pond A4 Resilient Habitat Restoration Project, a new Initially Validated Water Resources Stewardship Project, in the Capital Improvement Program (CIP) Final FY2024-28 Five-Year Plan.
- Manager: Lisa Bankosh, 408-630-2618
- Attachments: [Attachment 1: PowerPoint](#)
- Est. Staff Time: 10 Minutes
- 4.3. Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract. [23-0224](#)
- Recommendation: Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.
- Manager: Ryan McCarter, 408-630-2983
- Attachments: [Attachment A: Government Code § 84308](#)
[Attachment 1: Construction Contract Change Orders Status](#)
[Attachment 2: Construction Contract Financials](#)
- Est. Staff Time: 5 Minutes

- 4.4. Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects. [23-0225](#)

Recommendation: Receive information on upcoming consultant agreement amendments for capital projects.

Manager: Ryan McCarter, 408-630-2983 (on behalf of Christopher Hakes)
Erin Baker, 408-630-2608 (on behalf of Bhavani Yerrapotu)
Emmanuel Aryee, 408-630-3074
Luz Penilla, 408-630-2228

Attachments: [Attachment A: Government Code § 84308](#)

Est. Staff Time: 5 Minutes

- 4.5. Review 2023 Capital Improvement Program Committee Work Plan. [23-0223](#)

Recommendation: Review the 2023 Capital Improvement Program Committee Draft Work Plan and make adjustments, as necessary.

Manager: Candice Kwok-Smith, 408-630-3193

Attachments: [Attachment 1: 2023 CIP Committee Work Plan](#)

Est. Staff Time: 5 Minutes

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

6. ADJOURN:

- 6.1. Adjourn to Special Meeting at 11:00 a.m. on April 10, 2023.



Santa Clara Valley Water District

File No.: 23-0219

Agenda Date: 3/20/2023

Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

Government Code § 84308 Applies: Yes ☐ No ☒
(If "YES" Complete Attachment A)

SUBJECT:

Approval of February 13, 2023 Capital Improvement Program Committee Minutes.

RECOMMENDATION:

Approve the minutes.

SUMMARY:

In accordance with the Ralph M. Brown Act, a summary of Committee discussions, and details of all actions taken by the Capital Improvement Program Committee, during all open and public Committee meetings, is transcribed and submitted to the Committee for review and approval.

Upon Committee approval, minutes transcripts are finalized and entered into the Committee's historical record archives, and serve as the official historical record of the Committee's meeting.

ATTACHMENTS:

Attachment 1: 02/13/23 CIP Committee Meeting Minutes

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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CAPITAL IMPROVEMENT PROGRAM MEETING

DRAFT MINUTES

**MONDAY, FEBRUARY 13, 2023
11:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A special meeting of the Santa Clara Valley Water District (Valley Water) Capital Improvement Program Committee (Committee) was called to order at 5700 Almaden Expressway in San Jose, California at 11:00 a.m. and via Zoom teleconference.

1.1 Roll Call.

Committee members in attendance were District 6 Director Tony Estremera, District 4 Director Jim Beall, and District 5 Director Nai Hsueh, constituting a quorum of the Committee.

Staff in attendance was Eva Sans, Assistant Deputy Clerk II.

Staff members in attendance were G. Adriano, J. Aranda, E. Aryee, A. Baker, E. Baker, L. Bankosh, A. Beaman, S. Berning, W. Blackard, R. Blank, J. Bourgeois, R. Callender, F. Chak, R. Chan, B. Ching, T. Chinte, J. Collins, M. Cook, M. DeMartini, A. Fraumeni, C. Gayotin, R. Gibson, A. Gschwind, C. Hakes, H. Hoang, S. Klopfer, E. Llamas, M. Lugo, J. Martin, R. McCarter, P. McElroy, T. Ndah, C. Orellana, L. Penilla, A. Phagan, J. Randol, K. Resendez, M. Richardson, M. Silva, K. Struve, J. Villareal, D. Taylor, B. Welch, R. Yamane, and T. Yoke.

Guests in attendance: S. Bundy, S. Clark, C. Cleveland, J. Crowder, N. Fontaine, and K. Irvin.

2. TIME OPEN FOR PUBLIC COMMENTS ON ANY ITEM NOT ON THE AGENDA:

Chairperson Hsueh declared time open for public comment on any subject not on the agenda. There was no one present who wished to speak.

3. ELECTION OF OFFICERS:

It was moved by Director Beall, seconded by Director Estremera, and unanimously carried, to nominate and elect Director Hsueh as 2023 Chairperson, and Director Estremera as 2023 Vice Chairperson.

4. APPROVAL OF MINUTES:

4.1 Approval of December 12, 2022 Capital Improvement Program Committee Minutes.

Recommendation: Approve the minutes.

It was moved by Director Estremera, seconded by Chair Hsueh, to approve the December 12, 2022 minutes, as presented.

5. ACTION ITEMS:

5.1 Receive and Discuss Information Regarding the Status of Capital Projects in the Feasibility and Planning Phase.

Recommendation: Receive and discuss information regarding the status of capital projects in the feasibility and planning phase.

Various staff reviewed the information on this item, per the attached Committee agenda memo, and corresponding presentation materials contained in Attachment 1.

During the presentation, the Committee noted and requested the following without taking formal action:

- On Line 4, *Dam Seismic Stability Evaluation* project, Lenihan and Stevens Creek were found to be seismically sufficient;
- On Line 5, the Committee requested to be provided a copy of the scope of the *SCADA Master Plan Implementation* and *Distribution System Master Plan Implementation* projects. Subsequently, staff will be scheduling a meeting with Director Beall to provide an overview of the project as well as the scope;
- On Line 8, *E-4 Upper Penitencia Ck Coyote Ck Dorell Drive* project, staff was requested to include the benefits to health and safety for all, as well as the unhoused, as a component on all project planning studies;
- On Line 9, *Guadalupe River-Tasman to Hwy 880* project, a staff presentation on the chosen alternative would be an upcoming item to this committee's work plan;
- On Line 10, *San Francisco Bay Shoreline- Phase II and III* project, the US State Army Corps of Engineer would look into needed approvals from their agency on the inclusion of the tide gate project under shoreline Phase II, and on their agency's process in reopening the planning study;
- On Line 14, *Ogier Ponds Planning Study* project, this project had been analyzed and included on the Anderson Dam Seismic project EIR as part of Anderson's conservation measure; and
- On Line 15, *Headquarters Operations Building* project, the state of the structure would not allow for a no-project alternative. The project's feasibility study would be an upcoming item on this committee's work plan.

5.2 Receive and Discuss Information Regarding the Status of Capital Projects in the Design and Permitting Phase

Recommendation: Receive and discuss information regarding the status of capital projects in the design and permitting phase.

Various staff reviewed the information on this item, per the attached Committee agenda memo, and corresponding presentation materials contained in Attachment 1.

During the presentation, the Committee noted and requested the following without taking formal action:

- Staff would begin to include information on opportunities for energy efficiency on capital projects in the design phase. The Board adopted the Climate Change Action Plan and designated the Board Policy Planning Committee to monitor the progress of Action Plan implementation;
- On Line 16, *Coyote Creek Chillers Plant* project, staff would provide project briefing to Director Beall offline; and
- On Line 17, *Coyote Creek Flood Management* project, a Memorandum of Agreement with the City of San Jose was being developed to address issues on encampments along the creek including costs for outreach and social services, and to meet Valley Water's construction schedule of the *Coyote Creek Flood Management* project.

5.3 Receive an Update on the Water Treatment Plant Master Plan Implementation Project No. 93044001.

Recommendation: Receive an update on the Water Treatment Plant Master Plan Implementation Project No. 93044001.

Luz Penilla, Assistant Officer, reviewed the information on this item per the attached Committee agenda and corresponding presentation materials contained in Attachment 1.

The Committee noted the information without taking formal action.

5.4 Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

Recommendation: Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

Chris Hakes reviewed the information on this item and reviewed the information on this item, per the attached Board Agenda Memo, and per the information contained in Attachment 1.

The Committee requested that staff include a future discussion on the expended portion of the contingency amount for possible presentation to the full Board.

The Committee noted the information without taking formal action.

5.5 Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

Recommendation: Receive information on upcoming consultant agreement amendments for capital projects.

Several staff reviewed the information on this item per the attached Committee Agenda Memo.

The Committee noted the information without taking formal action.

5.6 Capital Improvement Program Committee 2022 Accomplishments Report.

Recommendation: Review and accept the Capital Improvement Program Committee 2022 Accomplishments Report.

The Committee acknowledged the work done by staff and the contribution of Chairperson Hsueh to this Committee without taking formal action.

5.7 Review 2023 Capital Improvement Program Committee Work Plan.

Recommendation: A. Review the 2023 Capital Improvement Program Committee Draft Work Plan and make adjustments as necessary; and.
B. Confirm next meeting date.

Chairperson Hsueh announced two upcoming presentations on two capital projects, namely: *HQ Operations Building* and *Guadalupe River to Tasman Hwy 880* projects, and a Committee's request to include energy efficiency information on capital projects presented to this Committee.

6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

None.

6. ADJOURN.

Chairperson Hsueh adjourned the meeting at 1:05 p.m. to the next meeting on March 20, 2023.

Eva Sans
Assistant Deputy Clerk II

Approved:
Date:



Santa Clara Valley Water District

File No.: 23-0226

Agenda Date: 3/20/2023

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Capital Improvement Program Committee

Government Code § 84308 Applies: Yes ☐ No ☒
(If "YES" Complete Attachment A)

SUBJECT:

Review Capital Project Monitoring - Construction Report.

RECOMMENDATION:

Receive and discuss information regarding the status of capital projects in the construction phase.

SUMMARY:

The 2023 Work Plan for the Board Capital Improvement Program Committee (Committee) includes monitoring of capital projects during all phases of development. Staff will present a list of active projects at each Committee meeting and provide detailed information on those where potential and/or significant issues have been identified. The projects presented for discussion will be organized by phases: planning/feasibility; design; and construction. Staff will present projects to the Committee for review one phase at a time. Projects currently in the construction phase are being presented at this Committee meeting. Other attachments may be included to provide more detail on other items associated with these projects.

Attachment 1 is a list of projects in the construction phase. A verbal report will be provided at the meeting with more detailed information about recent developments on the projects listed in Attachment 1.

ATTACHMENTS:

Attachment 1: Capital Project Monitoring - Construction

UNCLASSIFIED MANAGER:

Bhavani Yerrapotu, 408-630-2735
Emmanuel Aryee, 408-630-3074
Christopher Hakes, 408-630-3796
Mike Cook, 408-630-2424

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Capital Project Monitoring Report - March 2023

Construction Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	In house	External	Combination
<u>Water Supply</u>						
1	91864006	Anderson Dam Tunnel Project <i>(an Anderson Dam Federal Energy Regulatory Commission Order Compliance Project)</i>	The High-Level Outlet Works (HLOW) Drop Shaft excavation was completed in December 2022. Tunnel excavation began at the diversion outlet portal on November 9, 2022 and completed about 310 feet when it reached the HLOW Drop Shaft on January 20, 2022. Tunnel excavation has commenced in the Transition Zone from the HLOW Drop Shaft heading toward the reservoir about 1,370 feet away. The contractor continues work on the Diversion Outlet Structure (DOS) outside the tunnel with installation of the foundation rock anchors.			X
2	91864010	Cross Valley Pipeline Extension Project <i>(an Anderson Dam Federal Energy Regulatory Commission Order Compliance Project)</i>	The contractor has installed 100% of pipeline including the vaults, appurtenances and stilling well. Construction of the outfall (in-channel) is complete, however apron work on the outfall is pending the lowering of Coyote Creek. Construction completion is now estimated to be May 2023 due to rain delays and PG&E coordination for two new PG&E electrical services.	X		
3	91214010	Small Capital Improvements, San Felipe, Reach 1: Pacheco Pumping Plant Electrical Current Limiting Fuse and Hydraulic Valve Operating System (HVOs) Upgrades	Construction work has been completed and is waiting for the 30-day Acceptance Testing, which is dependent on the completion of the Santa Clara Conduit Project construction work. Construction completion is anticipated for the spring 2023.	X		
4	95084002	10-Year Pipeline Inspection and Rehabilitation Project (Santa Clara Conduit)	Internal pipeline inspection work has been completed. Shutdown-required work associated with the Pacheco Sectionalizing Vault has been completed. Winter storms, flooding, and repair work for corrosion found in a segment of the pipeline have resulted in delays to the remaining shutdown-required pipeline appurtenance work and Acoustic Fiber Optic (AFO) cable installation. Staff are evaluating when the remaining work can be completed.	X		
5	95084002	10-Year Pipeline Inspection and Rehabilitation Project (Almaden Valley Pipeline)	All shutdown-required work is complete. Contractor continues to work on exterior pipeline appurtenance work. Refilling of the remaining portion of the pipeline is dependent on the Santa Clara Conduit Project construction.	X		
6	93294058	Rinconada WTP Residuals Remediation Project	Installation of various facilities is in progress including Centrate Wet Well B, Centrifuge Bldg B, and the Loadout Structure. Testing of equipment at the Sludge Storage Tanks has commenced. Construction completion is anticipated for summer 2023.	X		
7	93764004	Penitencia WTP Flocculation/Sedimentation Basin Rehabilitation Project	Contractor continues to address equipment deficiencies identified during project startup and commissioning. Stuffing box replacements were successfully completed in Basin 2 in October 2022. Due to supply chain issues, the remaining equipment replacements are scheduled for May 2023.	X		
8	93284013	Santa Teresa Water Treatment Plant Filter Media Replacement	Removal and off-hauling of the sand and GAC from Filters 2W, 5W, and 6W have been completed. The Contractor has also completed the underdrain flow distribution test in Filters 2W and 5W, and plans to begin work on the underdrain nozzle replacement. Construction completion is anticipated for spring 2024.	X		
9	91094009	South County Recycled Water Pipeline Project	90% of the contract pipeline work has been installed. All jack and bore and microtunneling operations have been completed. Paving is now scheduled for spring 2023. Construction work for segment 1C is on hold because an agreement has not been reached with the property owners regarding the easement for that segment.	X		
<u>Flood Protection</u>						
10	10244001	Permanente Creek, SF Bay to Foothill Expressway	The Board of Directors awarded the construction contract on November 22, 2022. Construction for the floodwall retrofit is ongoing. Contractor has currently completed approximately 525 linear feet of the 1,300 linear feet of retrofit required for the Project. All retrofit work will be completed by May 2023.	X		

Capital Project Monitoring Report - March 2023

Construction Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	In house	External	Combination
11	40174005	Other 2012 SCW: Berryessa Creek, Lower Penitencia Creek to Calaveras Blvd, Phase 2	Construction for the Lower Calera Creek Project started in June 2021 and is currently underway. All in-channel floodwall work has been completed. A waterline that passes beneath a floodwall owned by Milpitas leaked and a Valley Water team is working with Milpitas on the repair. Once the waterline leak is repaired, the contractor has some minor work remaining such as finished grading for maintenance roads, fencing, and paving. All civil work estimated to be completed by April 2023, followed by a plant establishment phase.	X		
12	40334005	Lower Penitencia Creek Improvements, Berryessa to Coyote Creeks	Construction for Lower Penitencia Creek Project started in July 2021. All civil work in the contract will be completed in March 2023, followed by a three-year plant establishment and maintenance period. A channel lining fix due to erosion damage caused by a baker tank overflow will be conducted in summer 2023.	X		
13	26174051 26174052 26174055	E6: Upper Llagas Creek Flood Protection Project, Phase I and Phase 2A	Phase 1 construction was completed and accepted by the Board of Directors on May 24, 2022. This precedes a three-year plant establishment phase, which is currently underway and will be completed in March 2025. Construction contract for Phase 2A was awarded in summer 2021 and is currently in progress. Significant utility relocations have been completed as of February 2023, and the underground twin reinforced concrete box culverts along Del Monte Avenue and Ciolino Avenue were completed as of December 2022. Drilling of the 2,200 foot underground bypass tunnel has been completed. Beginning on May 1, 2023, Hale Avenue will be closed so the underground twin reinforced concrete box culverts along Hale Avenue can be constructed before schools reopen on August 16, 2023. Phase 2A contract completion date is expected May of 2024, but the project is currently a couple of months ahead of schedule.	Phase 1	Phase 2A	
14	00044026	San Francisco Bay Shoreline, EIA 11 - Alviso Slough to Coyote Creek Bypass (E7: 26444001, 26444002, 26444004)	Construction of levees in the first three reaches, Reaches 1-3, is ongoing. Reaches 1-3 are located between the Alviso Marina and U.S. Fish and Wildlife Service Don Edwards San Francisco Bay National Wildlife Refuge Environmental Education Center. The United States Army Corps of Engineers awarded the construction contract in August 2021 to Maloney-Odin Joint Venture. Construction began on December 6, 2021 and is anticipated to be completed in summer 2024.	N/A	USACE construction	
15	62084001	Watershed Asset Rehabilitation Program	The Board of Directors awarded the construction contract for the Calabazas Creek Rehabilitation Project (Bollinger Rd to Miller Ave) to Granite Construction on May 24, 2022. This two-season project consists of repair for 10 erosion sites between Miller Ave. and Bollinger Road. Year One construction of six sites were completed. Year Two construction will start by third week of April 2023 subject to rain forecast. Year Two construction of Giken silent sheet piles will be constructed for four sites next season ending in November 2023. Steel sheet pile materials have been procured from an out-of-the-country supplier.	X		
Water Resources Stewardship						
16	26164001	D6: Restoration of Natural Creek Functions: Hale Creek Enhancement Pilot Project	The construction contract for Hale Creek was awarded to McGuire & Hester on May 10, 2022. Construction began on June 1, 2022 and was completed in January 2023. In-channel construction was completed November 18, 2022 and top-of-bank improvements were completed December 30, 2022. The three-year plant establishment maintenance and monitoring period began on December 23, 2022 and is expected to last until December 2025.			X

Capital Project Monitoring Report - March 2023

Construction Phase

Row	Project No.	Project Name	Notes, Upcoming Board Actions or potential issues	In house	External	Combination
17	26044004	D6.2: Bolsa Road Fish Passage Improvements	The Board of Directors approved an agreement with Cal Engineering & Geology, Inc. for construction management services in March 2022. The Board of Directors awarded the construction contract to Teichert, Inc. on July 12, 2022. Notice to Proceed for construction was issued on July 26, 2022. Staff is working with the Construction Manager and Contractor to secure a construction grading and drainage permit from the County of Santa Clara. Construction of in-channel work must occur between June and October to adhere to permit conditions. The construction contract was not awarded in time to complete construction within this work window in 2022, and therefore will begin in May/June 2023		X	
Buildings & IT						
18	73274009	Data Consolidation	The Human Resources Division (HR) project is currently finalizing implementation of Hyland's OnBase enterprise information platform and scanning their paper archives. This effort will digitize over 80 document types into a new paperless system. HR is looking to go live with the system spring 2023. The project team is currently in the process of scoping implementation for the Community Projects Review Unit in alignment with the desired outcomes of their recent audit and modernization project.	N/A	N/A	N/A
19	73274001	Information Technology Disaster Recovery	In partnership with VMware and Amazon Web Services, Valley Water is progressing on building a redundant virtual data center in the cloud. This project will allow Valley Water servers to run side-by-side in on-site and cloud data centers to create an "always ready" redundant server environment. Other initiatives underway include the procurement of removable drives to replace existing tape backups. The projects identified by our 2021 strategy are likely to require a two-to-three year timeline for implementation. Most initiatives are currently in the procurement phase.	N/A	N/A	N/A
20	73274002	ERP System Implementation	System is currently live with all modules currently live. Finance modules have been in production since January 2022 with all other modules implemented by April 2022. Project team continues to work on fewer than ten punchlist items with vendor.	N/A	N/A	N/A
21	73274012	Telephone System Voice Over IP	System is currently live for all staff/all locations. Team is currently implementing related post go-live tasks, such as configuring intercom systems for treatment plant gatehouses. Project is scheduled to close in summer 2023.	N/A	N/A	N/A

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Santa Clara Valley Water District

File No.: 23-0293

Agenda Date: 3/20/2023

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes ☐ No ☒
(If "YES" Complete Attachment A - Gov. Code § 84308)

SUBJECT:

Consider Staff's Recommendation to Include the Pond A4 Resilient Habitat Restoration Project, a new Initially Validated Water Resources Stewardship Project, in the Capital Improvement Program (CIP) Final FY2024-28 Five-Year Plan.

RECOMMENDATION:

Consider Staff's Recommendation to Include the Pond A4 Resilient Habitat Restoration Project, a new Initially Validated Water Resources Stewardship Project, in the Capital Improvement Program (CIP) Final FY2024-28 Five-Year Plan.

SUMMARY:

The Pond A4 Resilient Habitat Restoration Project (Pond A4 Project) is a multi-benefit project that will create habitat for threatened and endangered species and promote community flood resilience by constructing a 30:1 sloped ecotone at the southern boundary of Pond A4, a former salt production pond acquired by Santa Clara Valley Water District (Valley Water) in 2000. The Pond A4 Project will beneficially re-use sediment removed from local creeks, as a part of the Valley Water's Stream Maintenance Program (SMP), to build necessary staging areas in order to construct the ecotone.

Project Objectives:

- Restore historic tidal marsh habitat that once existed along the Bay's edge.
- Provide adaptability to rising seas for sensitive and endangered species.
- Promote resilient coastal flood protection to Sunnyvale's low-lying shoreline area.

The Pond A4 Project will be constructed in two phases. Phase 1 will include planning, design, and permitting for the full project; construction of the maintenance road necessary for access and staging areas; and adding initial sediment reuse deposits from local sources to Pond A4. Phase 2 of the Pond A4 Project will include sediment reuse to create the resilient habitat ecotone; and restoring nearly 50 acres of marsh, mud flat, transitional, and upland habitat. The ecotone habitat will buffer adjacent communities in Sunnyvale from storm surge and high tide wave action in the near term, and

vegetated ecotone will keep pace with sea level rise thereby promoting resilient flood protection against sea level rise.

Project Scope, Schedule, and Budget:

Phase 1. FY 2023-25: Planning, design, and permitting for the full Pond A4 Project, and construction of the access route and on-site staging area. Planning and preliminary design work is currently in progress.

To provide safe haul routes for trucks, the 120-foot-long stretch of the existing maintenance road, owned in fee by Valley Water, must be widened from 15 feet to approximately 35 feet, at its intersection with East Caribbean Drive, Sunnyvale.

For the trucks to logistically turn around, offload, and deposit fill at the Pond A4 Project site, there is a need to construct a 1.4-acre staging area within Pond A4 near the intersection of the Bay Trail and the Pond A4 access road.

Road widening and staging area construction will require placement of approximately 34,000 cubic yards (CY) of fill in Pond A4 and up to 1,500 CY of fill in sloped area adjacent to the maintenance road.

Phase 1 Preliminary Cost Estimate: \$5.32M Funding Source: Watershed Stream Stewardship Fund (Fund 12) (secured); Grants and Partnerships (potential, unsecured)

Phase 2. FY 2026-28: Resilient Habitat Ecotone Construction

The finished ecotone (scheduled for completion in approximately FY 2038) will span the 1-mile-long southern boundary of Pond A4. The total area of restored habitat will be 2 million square feet (46 acres), consisting of brackish marsh, transitional, and upland habitats. Approximately 400,000 CY of fill will be required to construct the ecotone. Following construction, topsoil would be overlaid on the ecotone fill slope and appropriate restoration plantings would be installed, monitored, and adaptively managed.

Preliminary Cost Estimate: \$20.7M Funding Source (through approximately FY 2038): Unfunded; Grants and Partnerships (potential, unsecured).

NEXT STEP:

Provided the CIP Committee supports staff's recommendation, staff will recommend to the board at its April 11, 2023 regular meeting that the Pond A4 Project be included in the CIP Final FY2024-28 Five-Year Plan.

ATTACHMENTS:

Attachment 1: PowerPoint

File No.: 23-0293

Agenda Date: 3/20/2023
Item No.: 4.2.

UNCLASSIFIED MANAGER:
Lisa Bankosh, 408-630-2618

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Pond A4 Resilient Habitat Restoration Project

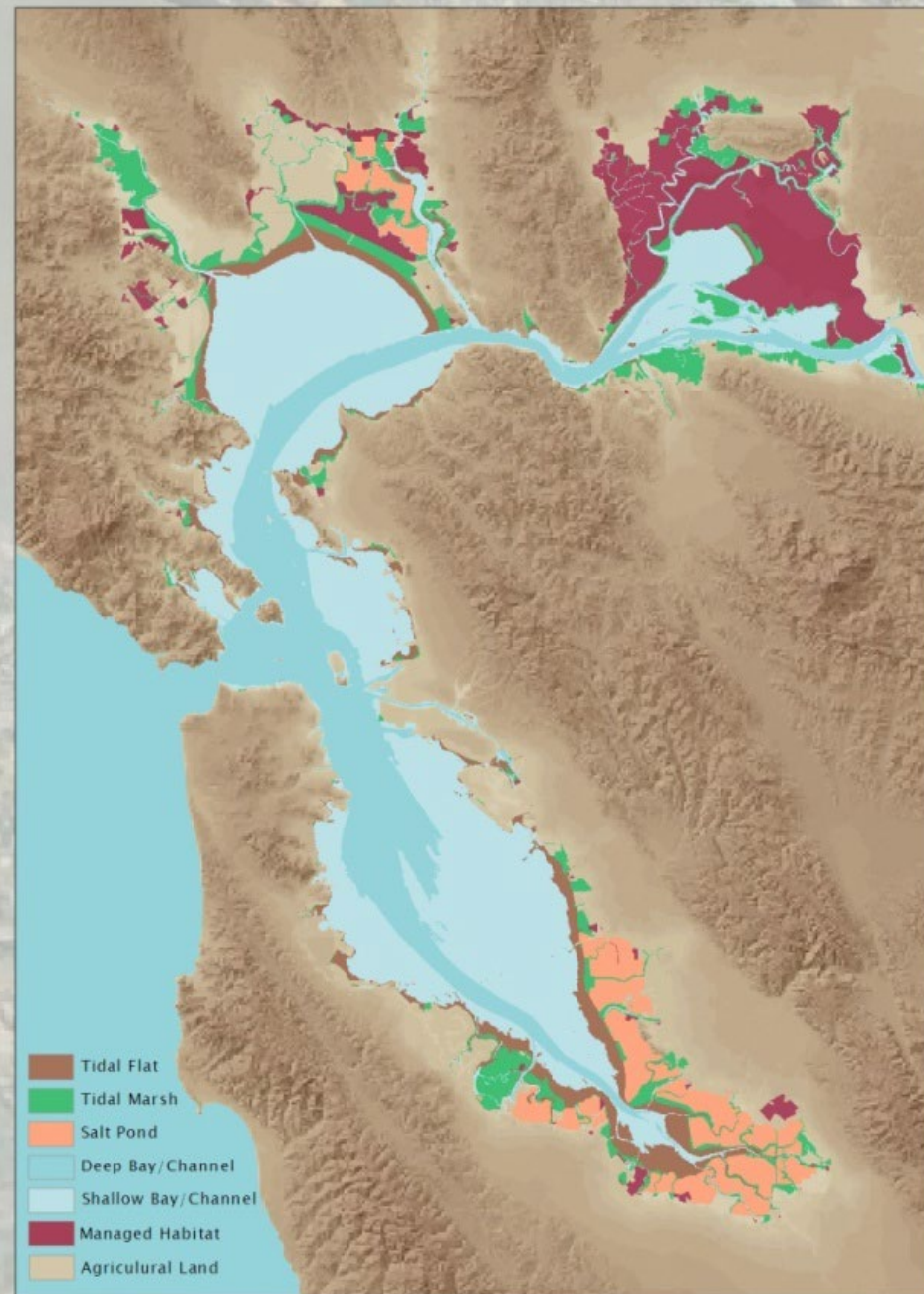
Capital Program Improvement Committee

Presented by: **Judy Nam**, Senior Water Resources Specialist

March 20, 2023



Year 1850



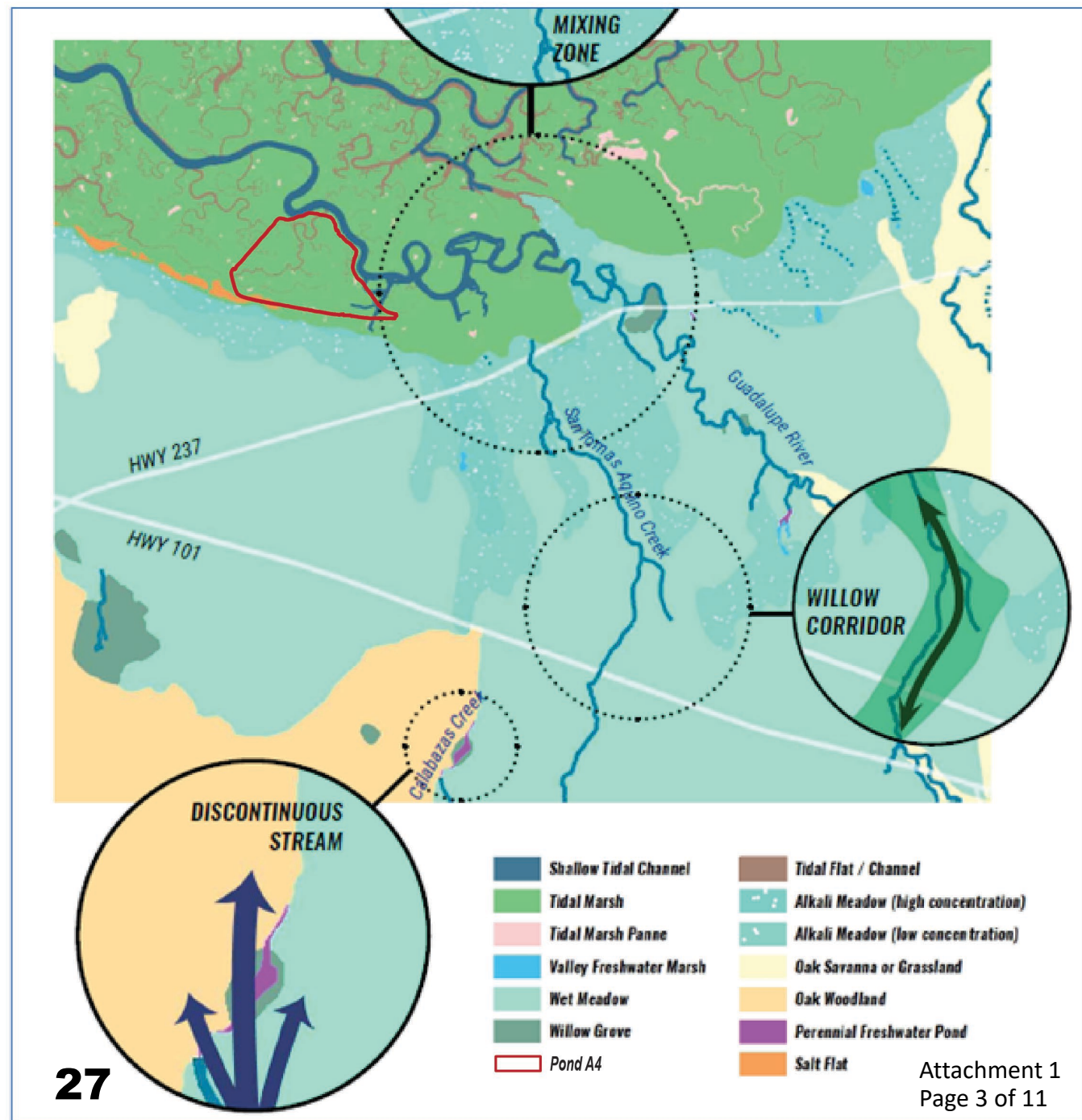
26

Year 2000

Historical Context

Past Habitat at Pond A4

- Tidal Marsh
- Alkali Meadow



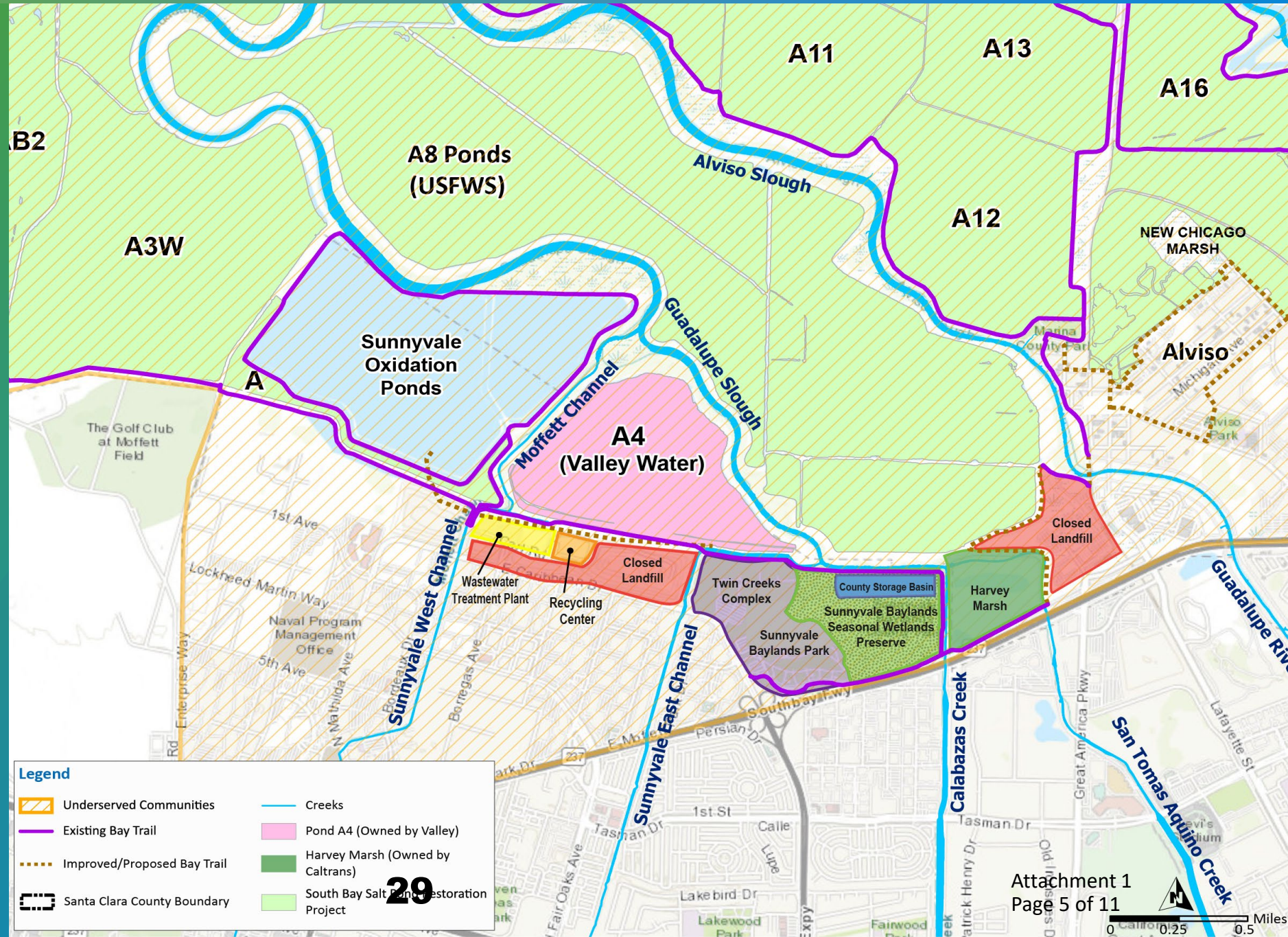
Pond A4 Resilient Habitat Restoration Project
SCW D3 Contribution To SBSPRP – Reuse of SMP Sediment for Habitat Creation



Pond A4 Resilient Habitat Restoration Project: Location and Need

Project Location

- Valley Water owns Pond A4
- Access from Caribbean Drive in Sunnyvale





Restore historic tidal marsh habitat that once existed along the bay's edge.



Provide adaptability to rising seas for sensitive and endangered species.



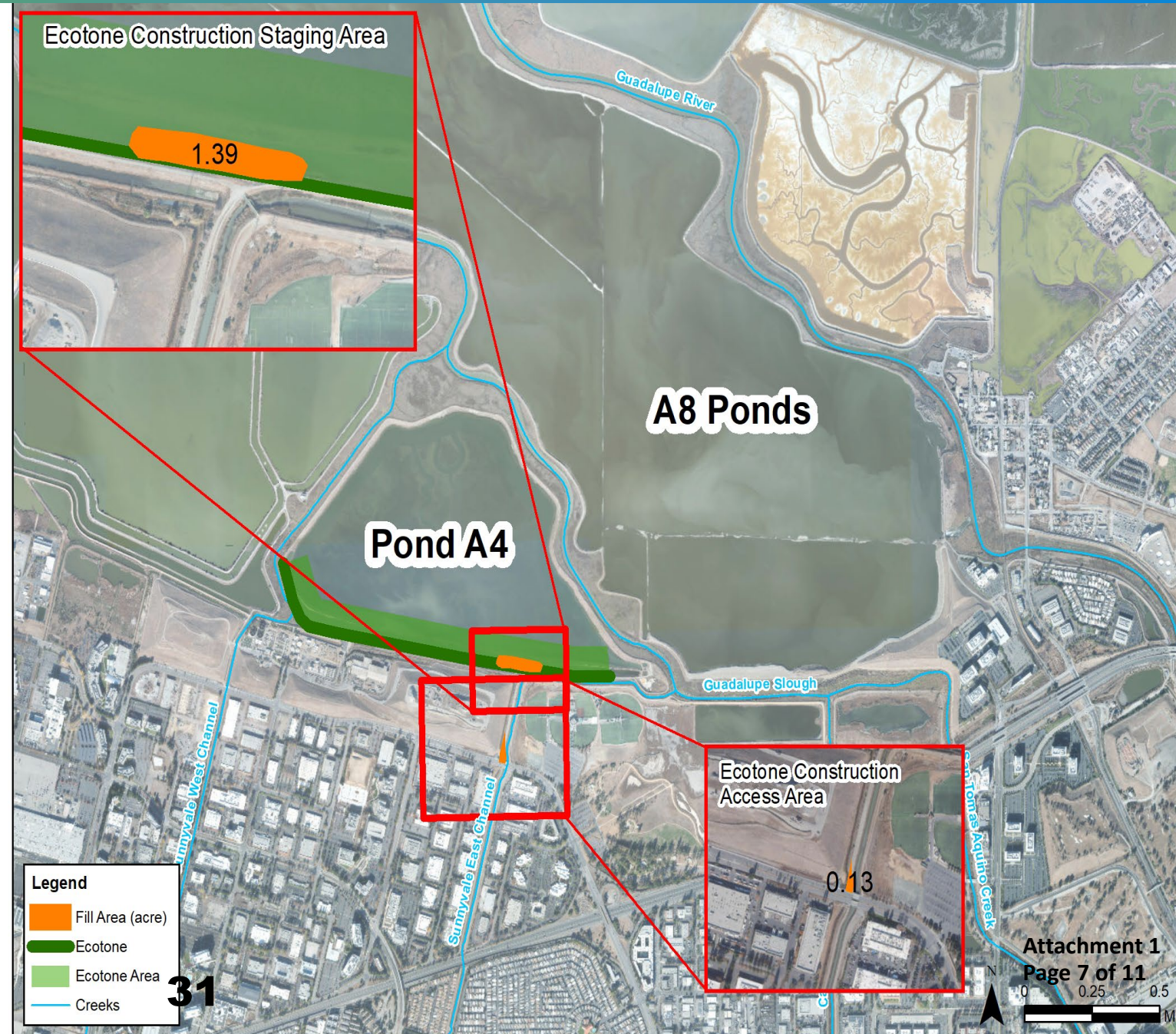
Promote resilient coastal flood protection to Sunnyvale's low-lying shoreline area.

Objectives

This project will beneficially re-use Valley Water's Stream Maintenance Program sediment to create resilient habitat for sensitive and endangered species by restoring lost wetlands.

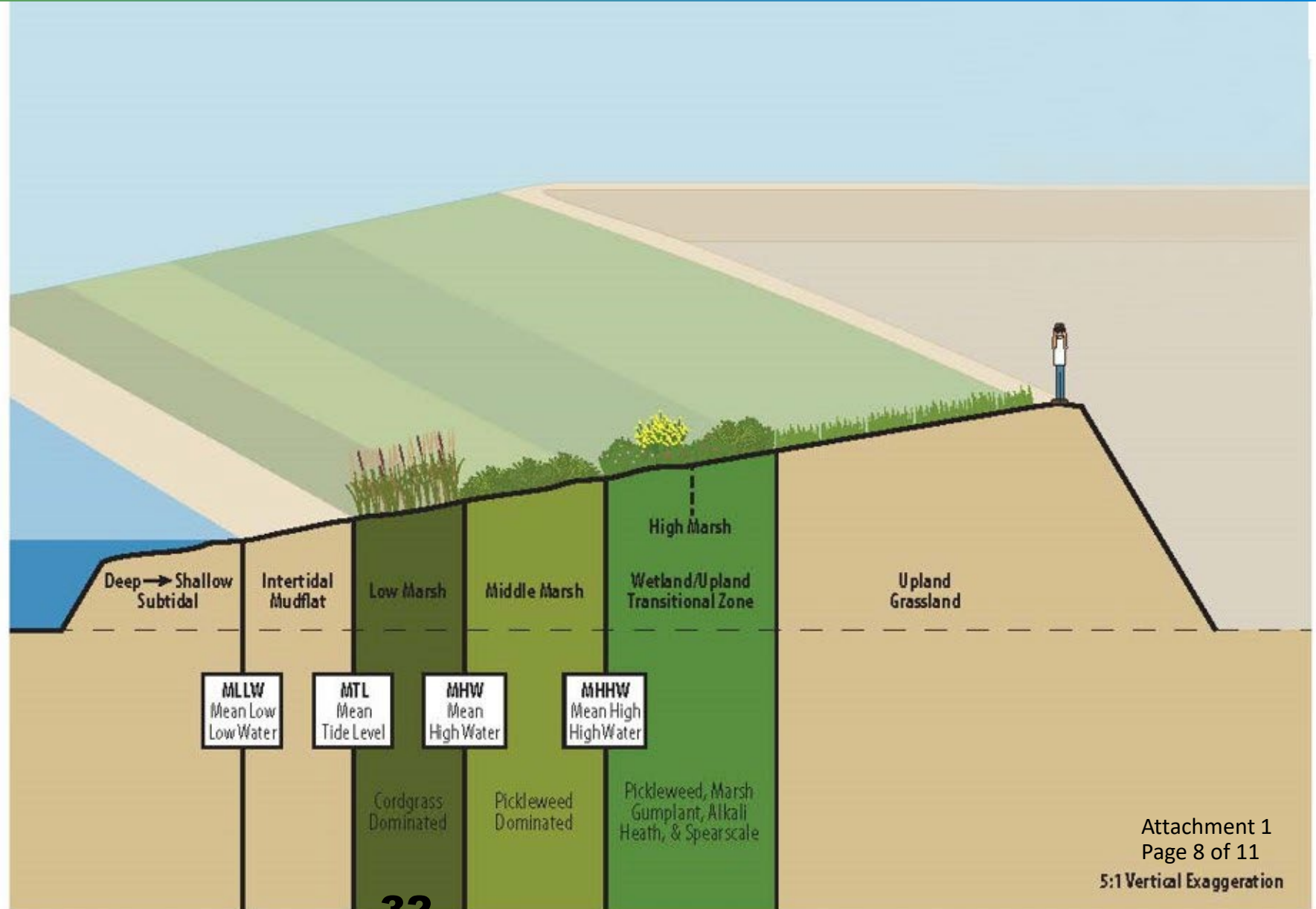
Project Elements

- Construct staging area and access Improvement
- Deliver sediment starting Oct 2024 (Annual SMP Sediment: 6,000- 80,000 CY)
- Apply USFWS QAPP standards for sediment re-use
- Construct 50-acre 30:1 Ecotone over 5-15 yrs (appx 400,000 CY)
- Plant ecotone with native species
- Adaptively manage after construction to maximize ecological benefits



Project Need and Urgency

- SMP Material Beneficial Reuse
- Ecosystem Restoration
- Sea Level Rise Resilience



Pond A4 Resilient Habitat Restoration Project: Schedule

Pond A4 Resilient Habitat Restoration Project

		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
	Completion Date	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CEQA/Design/Permitting	May 2024																
CONSTRUCTION																	
Access Improvement/Staging Area	Oct. 2024																
Sediment Delivery/Ecotone/Reveg.	Jun. 2038																

Pond A4 Resilient Habitat Restoration Project: Budget (\$million)

	FY23-38	FY23-25 (Phase 1)	FY26-38 (Phase 2)
TOTAL	\$26	\$5.32	\$20.68
CEQA, Design, Permitting,	\$2	\$2	\$0
Construction Cost Estimate	\$24	\$3.32	\$20.68
Earthwork	\$4.5	\$0.12	\$4.48
Top Soil	\$12	\$0.6	\$11.4
Annual Soil Testing	\$3.6	\$0.6	\$3
Revegetation and Adaptive Mgmt.	\$1.8	\$0	\$1.8
Constr. Access and Staging	\$2	\$2	\$0



Valley Water

Clean Water • Healthy Environment • Flood Protection

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Santa Clara Valley Water District

File No.: 23-0224

Agenda Date: 3/20/2023

Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes ☒ No ☐
(If "YES" Complete Attachment A)

SUBJECT:

Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

RECOMMENDATION:

Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

SUMMARY:

During the May 17, 2021, Capital Improvement Program (CIP) Committee meeting, staff provided an update on the Anderson Dam Tunnel Project No. 91864005. The Committee requested staff provide monthly change order status updates after construction of the ADTP commences on July 7, 2021.

Project Background

Santa Clara Valley Water District (Valley Water) is undertaking the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP) as a result of the February 20, 2020, directive from the Federal Energy Regulatory Commission (FERC) to implement interim risk reduction measures at Anderson Dam. One of those measures is the Anderson Dam Tunnel Project (ADTP).

On April 27, 2021, Valley Water's Board of Directors awarded the construction contract for the Anderson Dam Tunnel Project (ADTP) to the top ranked best value proposer, Flatiron West, Inc. (Flatiron), in the sum of \$161,140,321 and approved a contingency amount of \$40,000,000 (25% of the contract price). The Board directed staff to discuss delegating authority for contingency expenditures with the CIP Committee.

By unanimous roll call vote at its May 17, 2021, meeting, the Committee approved recommending to the full Board that it consider delegating authority to staff to approve change orders for the Anderson Dam Tunnel Project at the amounts stated below and that the CIP Committee receive regular monthly reports with information regarding approved change orders, pending change orders, and the cumulative amounts. Valley Water's Board of Directors accepted the CIP Committee

recommendations at its regular meeting on May 25, 2021.

Delegated Approval Authority

Unit Manager: Up to \$100,000
Assistant Operating Officer: Up to \$250,000
Deputy Operating Officer: Up to \$500,000
Assistant Chief Executive Officer: Up to \$2.5 million
Chief Executive Officer: Up to \$5 million
Board of Directors: \$5 million and above

Construction Contract Change Orders Status

During the May 17, 2021, Capital Improvement Program (CIP) Committee meeting, staff provided an update on the Anderson Dam Tunnel Project No. 91864005. The Committee requested staff provide monthly change order status updates after construction of the ADTP commences on July 7, 2021.

Contract Change Order #14

- 1. Increased Quantity for 18.5 Foot Diameter Tunnel (Diversion Tunnel) Excavation Class 5.** The tunnel excavation work is compensated based on the ground classification encountered and the corresponding ground support mechanism required. The Diversion Tunnel includes three ground classifications 3, 4, and 5, with classification 3 as the most competent ground, requiring the least amount of ground support, and classification 5 as the most difficult ground to support with additional ground support mechanisms. Due to increased ground Class 5 material encountered in the field during the excavation of the Diversion Tunnel, an increase to the bid quantity is necessary for Bid Item No. 5c, 18.5-foot diameter Class 5 tunnel excavation. The bid quantity is increased by 38 linear feet (LF) for ground Class 5 for a revised total quantity of 208 LF (70 LF original bid quantity plus 100 LF increase per executed Contract Change Order 12 and this final 38 LF increase). The 355 LF Diversion Tunnel excavation has now been completed. This item is valued at \$684,000.00.
- 2. Decreased Quantity for Bid Items No. 5a and 5b.** The tunnel excavation work is compensated based on the ground classification encountered and the corresponding ground support mechanism required. The Diversion Tunnel excavation has been completed; therefore, the original bid quantities of Diversion Tunnel excavation for Class 3 and 4 are revised to balance and reflect the actual bid quantities of completed work due to less ground Class 3 and 4 material being encountered in the field. The total quantity for Bid Item No. 5a 18.5 Foot Diameter Tunnel Excavation Class 3 is decreased in its entirety by 70 LF as there was no ground Class 3 encountered. The total quantity for Bid Item No. 5b 18.5 Foot Diameter Tunnel Excavation Class 4 is decreased by 68 LF for a revised bid quantity of 147 LF. This item results in a \$1,240,000.00 credit to the construction contract.

- 3. Increased Quantity for Bid Items No. 2h, 2i, 2j, 2k.** Findings from Time Impact Analysis 01 and 02 resulted in an overall Contract Time extension of 8 months, captured in Directed Change Order 1 and Contract Change Order 11. With this extension in the Contract Time, monthly unit price bid items, which are required to be performed to meet construction permit requirements, also require an extension by that amount of time. Therefore, the following monthly unit price bid items of work are being extended by 8 months, for a revised total bid quantity of 40 months: Bid Item No. 2h Compliance with NPDES General Permit, 2i Migratory Birds, 2j Noise and Vibration Monitoring, and 2k Dust Control and Air Monitoring. This item is valued at \$712,000.00.

Contract Change Order #15

- 1. Diversion Outlet Structure CLSM Saturday Premium Time.** This cost covers the premium charges to deliver and place Controlled Low Strength Material (CLSM) on Saturdays at the Diversion Outlet Structure foundation due to field changes impacting CLSM scheduled pours and limited availability from supplier to deliver CLSM during weekdays. The work is valued at \$36,524.00.
- 2. Diversion Portal Soil Nail Wall Conditions.** Differing ground conditions and shutdowns at the Diversion Portal Soil Nail Wall resulted in differential excavation requiring resequencing of operations and additional efforts to complete the Diversion Portal Soil Nail Wall. The extended duration of this work resulted in additional cost for excavation, haul trucks, QC testing, inspection, water trucks and soil nail drilling support by Flatiron West and their subcontractors. This closes out all remaining costs associated with the Diversion Portal differing site condition impacts to Flatiron West and their subcontractors for the completed work. This item is valued at \$400,082.00.

The net value of the two Contract Change Orders (CCO #14 and CCO #15) is \$592,606.00.

Construction Contract Financial Status

On February 13, 2023, the Committee requested an update on the construction contract payments and summary of financials. Attachment 2 provides the construction contract financial status. The contract total value with executed Change Orders 1-13 is \$174,214,824, of which \$49,357,723 has been paid through January 2023.

ATTACHMENTS:

Attachment A: Government Code § 84308
Attachment 1: Construction Contract Change Orders Status
Attachment 2: Construction Contract Financial Status

File No.: 23-0224

Agenda Date: 3/20/2023
Item No.: 4.3.

UNCLASSIFIED MANAGER:
Ryan McCarter, 408-630-2983

Attachment A – Gov. Code § 84308

Receive Information on Change Orders to Anderson Dam Tunnel Project Construction Contract.

List of Parties and Their Agents/Representatives Known to Staff

<u>Organization Name</u>	<u>Name</u>	<u>Role</u>	<u>Location</u>
Flatiron West, Inc.	Shawn Golden	Vice President	2100 Goodyear Rd. Benicia, CA 94510

List of Participants and Their Agents/Representatives Known to Staff

<u>Organization Name</u>	<u>Name</u>	<u>Role</u>	<u>Location</u>

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**Anderson Dam Tunnel Project
Construction Contract Change (CO) Order Status**

CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
		4/27/2021	Original Contract	\$161,140,321.00	\$40,000,000.00	Board	
1	1/18/2022	12/16/2021	Additional Tree Removal, Protection and Relocation	\$460,250.41	\$39,539,749.59	DOO	Approved
2	2/14/2022	4/26/2022	Outlet Works Vertical Shaft Re-sizing	\$3,783,119.15	\$35,756,630.44	CEO	Approved
3	5/16/2022	5/17/2022	Water Quality Monitoring Equipment, Miscellaneous demolition, TCEAP VHF/UHF Radios	\$131,603.28	\$35,625,027.16	AOO	Approved
4	6/13/2022	6/30/2022	Tunnel and Miscellaneous Items from CDC-001/001.1, Remove Taber Drilling from Scope	\$386,801.98	\$35,238,225.18	DOO	Approved
5	6/13/2022	6/30/2022	Upsizing Soil Nail Rows D&E from #18 to #20	\$228,562.00	\$35,009,663.18	DOO	Approved
6	7/18/2022	8/6/2022	Increased Quantity of Diversion Portal Excavation, Assistance with Geological Investigations, Internet access to Trailer # 2, and Change of Infill material for High Level Outlet Works (HLOW) Shaft	\$63,063.32	\$34,946,599.86	UM	Approved
7	9/26/2022	10/31/2022	Disposal Area Parking Lot Remediation, DOS Foundation Excavation - Revised Soil Nail Wall, and Additional Environmental Compliance for Water Quality Monitoring and Soil Testing	\$1,526,724.84	\$33,419,875.02	ACEO	Approved
8	10/18/2022	10/26/2022	Disposal of Regulated and Organic Material	\$80,000.00	\$33,339,875.02	UM	Approved
9	11/14/2022	11/18/2022	3-D Modeling of HLOW Shaft	\$101,101.00	\$33,238,774.02	AOO	Approved
10	12/12/2022	12/19/2022	Monitoring of Additional Piezometer, Supplementary Support for the Transition Zone, DOS Portal Conditions, Partnering	\$1,971,946.48	\$31,266,827.54	ACEO	Approved
11	2/13/2023	12/19/2022	Time Related Overhead Time Impact Analysis 002	\$2,515,330.18	\$28,751,497.36	CEO	Approved
12	2/13/2023	1/19/2023	Increased Quantity of Diversion Tunnel Excavation Class 5	\$1,800,000.00	\$26,951,497.36	ACEO	Approved
13	2/13/2023	2/24/2023	Diversion Outlet Structure (DOS) Energy Dissipation Chamber Grated Access Opening	\$26,000.00	\$26,925,497.36	UM	Approved
DCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
1	09/26/22	10/05/22	Milestone 7, 9, and 10 Completion Revisions	\$0.00	\$26,925,497.36	UM	Approved

Total Approved	14	Total	\$13,074,502.64	\$26,925,497.36
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Pending CCO #	CIP Committee Date	Approval Date	Description	Amount	Contingency Amount	Approval Level	Status
14	3/20/2023		Increased Quantity for 18.5 Foot Diameter Tunnel Excavation Class 5, Increased Quantity for Bid Items No. 2h, 2i, 2j, 2k. Decreased Quantity for Bid Item No. 5a and 5b.	\$156,000.00	\$26,769,497.36	ACEO	Pending
15	3/20/2023		Diversion Outlet Structure Controlled Low Strength Material Saturday Premium Time, Diversion Portal Soil Nail Wall Condition	\$436,606.00	\$26,332,891.36	DOO	Pending

Total Pending	2	Total	\$592,606.00	\$26,332,891.36
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Total Number of COs (Approved & Pending)	Total Amount of COs (Approved & Pending)
16	\$13,667,108.64

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**Anderson Dam Tunnel Project
Construction Contract Financials**

Bid Item No.	Description	Amount	Balance Remaining	% Billed	Amount Billed Through 01/2023
1	MOBILIZATION AND DEMOBILIZATION	\$ 16,150,000.00	\$ 2,920,500.00	82%	\$ 13,229,500.00
2	SITE PREPARATION	\$ 5,713,000.00	\$ 1,915,107.78	66%	\$ 3,797,892.22
3	DIVERSION PORTAL	\$ 6,173,496.00	\$ 261,886.40	96%	\$ 5,911,609.60
4	LAKE-TAP PORTAL	\$ 4,215,000.00	\$ 4,093,500.00	3%	\$ 121,500.00
5	TUNNEL EXCAVATION AND LINING	\$ 47,438,325.00	\$ 43,870,125.00	8%	\$ 3,568,200.00
6	SHAFT EXCAVATION AND LINING	\$ 10,100,000.00	\$ 4,336,360.00	57%	\$ 5,763,640.00
7	MICROTUNNEL	\$ 9,982,000.00	\$ 9,331,000.00	7%	\$ 651,000.00
8	DIVERSION OUTLET STRUCTURE	\$ 48,678,550.00	\$ 42,563,787.01	13%	\$ 6,114,762.99
9	COYOTE CREEK MODIFICATIONS	\$ 6,421,550.00	\$ 6,173,750.00	4%	\$ 247,800.00
10	SUPPLEMENTAL WORK ITEMS	\$ 5,668,400.00	\$ 5,668,400.00	0%	\$ -
11	ALLOWANCES	\$ 600,000.00	\$ 453,418.86	24%	\$ 146,581.14
		Total Original Contract Amount	\$ 161,140,321.00		Total Billed To Original Contract Amount
					\$ 39,552,485.95

CCOs	Description	Amount	Balance Remaining	% Billed	Amount Billed Through 01/2023
CCO 1-13	CONTRACT CHANGE ORDERS (CCO)	\$ 13,074,502.64	\$ 3,269,265.48	75%	\$ 9,805,237.16
		Total Contract Amount Including CCOs 1-13	\$ 174,214,823.64		Total Billed Including CCOs
					\$ 49,357,723.11

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Santa Clara Valley Water District

File No.: 23-0225

Agenda Date: 3/20/2023

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM Capital Improvement Program Committee

Government Code § 84308 Applies: Yes ☒ No ☐
(If "YES" Complete Attachment A)

SUBJECT:

Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

RECOMMENDATION:

Receive information on upcoming consultant agreement amendments for capital projects.

SUMMARY:

At the March 28, 2017 meeting, the Board of Directors approved revising the Capital Improvement Program (CIP) Committee's purpose to include monitoring implementation progress of key projects in the CIP. At their June 29, 2020 meeting, the CIP Committee requested this topic be added as a standing item on all future CIP Committee meeting agendas, and that staff provide updates on consultant agreement amendments for capital projects which may include modifications to scope, schedule, and/or budget.

There are eight consultant agreement amendments for capital projects presented here for the Committee's information:

1. Amendment No. 2 to Agreement A4464A with AECOM Technical Services, Inc. for Design Services for the Coyote Creek Flood Management Measures Project No. 91864007 (Scope Change, Cost Increase) (E. Baker)

Staff will recommend Board approval of Amendment No. 2 to Agreement A4464A with AECOM Technical Services, Inc. (Consultant) for design services for both the Coyote Creek Flood Protection Project (CCFPP) and Coyote Creek Flood Management Measures Project (CCFMMP) No. 91864007, to add engineering support during construction for only the CCFMMP at this time, and to increase the cost of the Agreement by \$2,696,572.50 for a new not-to-exceed amount of \$12,681,885.74.

As a result of the February 20, 2020, directive from the Federal Energy Regulatory

Commission (FERC) to implement interim risk reduction measures at Anderson Dam, Valley Water has implemented the CCFMMP to reduce the risk of flooding to homes, schools, businesses, and highways during completion of the Anderson Dam Seismic Retrofit Project.

Amendment No. 2 to Agreement A4464A will amend the scope to add engineering support during construction for CCFMMP, which is necessary for successful Project completion.

Government Code § 84308 Applies: Yes ☒ No ☐

2. Amendment No. 1 to Agreement A4605A with Cal Engineering & Geology, Inc. for Construction Management Services for the Bolsa Road Fish Passage Project No. 26044004 (Consultant Name Change, Time Extension) (E. Baker)

Staff will recommend Deputy Administrative Officer approval of Amendment No. 1 to Agreement A4605A with Cal Engineering & Geology, Inc. for construction management services for the Bolsa Road Fish Passage Improvements Project No. 26044004 to document Consultant's name change from Cal Engineering & Geology, Inc., to Haley & Aldrich, Inc., and extend the term of the Agreement by one year from June 30, 2023, to June 30, 2024.

Pursuant to Agreement A4605A, Consultant is supporting Project staff by performing construction management services for the Bolsa Road Fish Passage Project No. 26044004.

Valley Water has been advised that as of December 1, 2022, Consultant has changed its firm name as a result of an acquisition. The purpose of amending Agreement A4605A is to document Consultant's name change; express Valley Water's consent to assignment of the Agreement from the original firm to the new firm; and confirm all required insurance coverages as stated in the Agreement have continued to remain in full force and effect.

Furthermore, Amendment No. 1 to Agreement A4605A will extend the term of the Agreement by one year from June 30, 2023, to June 30, 2024, thereby allowing Consultant, now known as Haley & Aldrich, to continue to provide Construction Management Services for the Bolsa Road Fish Passage Improvements Project No. 26044004 throughout Project construction, expected to begin in June 2023.

Government Code § 84308 Applies: Yes ☐ No ☒

3. Amendment No. 4 to Agreement A4264A with Cal Engineering & Geology, Inc. for On-Call Geotechnical Services (Consultant Name Change) (E. Baker)

Staff will recommend Deputy Administrative Officer approval of Amendment No. 4 to Agreement A4264A with Cal Engineering & Geology, Inc. for on-call geotechnical services to document the Consultant's name change from Cal Engineering & Geology, Inc., to Haley & Aldrich, Inc.

Pursuant to Agreement A4264A, Consultant performs work including: investigations, analysis, and safety evaluations of existing levees and flood walls; evaluation of design criteria for new levees and flood walls and makes recommendations for levee improvement or remedial design; investigations, analysis, and recommendations for design of bridge foundation and

pipelines; review of project plans and specifications for quality assurance/quality control purposes; construction site inspections; and evaluation of geotechnical test results to ensure compliance with project plans and specifications.

Valley Water has been advised that as of December 1, 2022, Consultant has changed its firm name as a result of an acquisition. The purpose of amending Agreement A4264A is to document Consultant's name change; express Valley Water's consent to assignment of the Agreement from the original firm to the new firm; and confirm all required insurance coverages as stated in the Agreement have continued to remain in full force and effect. Consultant, now known as Haley & Aldrich, Inc., will continue to provide Geotechnical Services on an on-call, as-needed basis for Valley Water's capital construction projects.

Government Code § 84308 Applies: Yes ☐ No ☒

4. Amendment No. 4 to Agreement A3958A with Biggs Cardosa Associates, Inc., and Amendment No. 4 to Agreement A3959A with Mark Thomas & Company, Inc. for On-Call Structural Engineering Services (Time Extension) (E. Aryee).

Staff will recommend Deputy Administrative Officer approval of Amendment No. 4 to Agreement No. A3958A with Biggs Cardosa Associates, Inc., and Amendment No. 4 to Agreement No. A3959A with Mark Thomas & Company, Inc., extending the term of each Agreement by eight months, from April 26, 2023 to December 31, 2023, with no increase to the total not-to-exceed fee of \$1,700,000 for each Agreement.

Valley Water has a large Capital Improvement Program consisting of numerous complex projects. Staff anticipates a continued demand for on-call structural engineering services for the Anderson Dam Federal Energy Regulatory Commission Order Compliance Project (FOCP), several capital improvement projects, and ongoing operations and maintenance work. New on-call structural engineering services agreements are currently scheduled to be recommended for Board approval at the regular meeting on April 25, 2023. However, pursuant to both existing Agreements, Consultants are currently performing work pursuant to authorized task orders. This pending work is anticipated to be completed on or before December 31, 2023, at which time Agreements A3958A and A3959A will be closed out.

Extending the expiration date pursuant to Amendment No. 4 for each Agreement will allow the Consultants to continue to provide much needed on-call structural engineering services in support of Valley Water capital projects and close out existing task orders.

Government Code § 84308 Applies: Yes ☐ No ☒

5. Amendment No. 2 to Agreement A4343A with Consor PMCM, Inc. and Amendment No. 1 to Agreement A4344A with PMA Consultants LLC for On-Call Construction Scheduling Services (Time Extension) (E. Aryee)

Staff will recommend Deputy Administrative Officer approval of Amendment No. 2 to Agreement A4343A with Consor PMCM Inc. and Amendment No. 1 to Agreement A4344A with PMA Consultants LLC for on-call construction scheduling services to extend the expiration

date of both Agreements from April 28, 2023, to December 30, 2023.

Pursuant to Agreements A4343A and A4344A, Consultants perform independent review and assessment of project schedules such as baseline and progress schedules, recovery schedules, look-ahead schedules, and Contractor submittals; assist Valley Water in analyzing causation and responsibility for construction schedule and performance delays; and provide an independent review and assessment of claims and disputes regarding construction.

Extending the expiration dates of Agreement A4343A and Agreement A4344A, Amendment No. 2 and Amendment No. 1, respectively, will allow the Consultants to continue to be available to provide much needed on-call scheduling services in support of Valley Water capital projects.

Government Code § 84308 Applies: Yes ☐ No ☒

6. Amendment No. 3 to Agreement A4296A with Vena Solutions Inc. for On-Call Enhancements and Support Services for the Capital Improvement Program Development and Biennial Budget process for Project Nos. 00074033 and 60221001 (Cost Increase) (L. Penilla)

Staff will recommend Board approval of Amendment No. 3 to Agreement A4296A with Vena Solutions Inc. (Consultant) for On-Call Enhancements and Support Services for the Capital Improvement Program Development Project Nos. 00074033 and 60221001, to increase the cost of the Agreement by \$182,000.00 for a new not-to-exceed amount of \$682,000.00.

Agreement A4296A was approved in October 2019 as a sole-source on-call agreement to augment the original Agreement A4020A with Vena Solutions, Inc., which was awarded as part of a competitive RFP process in August 2016. A4296A was enacted for additional Consultant support services for the Capital Improvement Program Development Project and the Budget Office. The Vena software was implemented in FY17 and continues to be refined. Financial information in Vena is currently synched with Valley Water's enterprise resource planning system Infor. Additionally, the Consultant is providing integration support services for the implementation of Valley Water's new staff forecasting tool, Vemo, and its new capital project management information system, Projectmates.

Amendment No. 3 will increase the NTE fee by \$182,000.00, thereby allowing the Consultant to continue to provide on-call software support on an as-needed basis.

Government Code § 84308 Applies: Yes ☒ No ☐

ATTACHMENTS:

Attachment A: Government Code § 84308

UNCLASSIFIED MANAGER:

Ryan McCarter, 408-630-2983 (on behalf of Christopher Hakes)

Erin Baker, 408-630-2608 (on behalf of Bhavani Yerrapotu)
Emmanuel Aryee, 408-630-3074
Luz Penilla, 408-630-2228

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Attachment A – Gov. Code § 84308

Receive Information on Upcoming Consultant Agreement Amendments for Capital Projects.

List of Parties and Their Agents/Representatives Known to Staff

<u>Organization Name</u>	<u>Name</u>	<u>Role</u>	<u>Location</u>
AECOM Technical Services, Inc.	Theodore B. Feldsher	Vice-President/ Principal-in-Charge	4 N. 2 nd St. San Jose, CA 95113
Vena Solutions USA, Inc.	Linda Neff	Vice-President	2 Fraser Solutions, Ste. 200 Toronto, ON M6K1Y6

List of Participants and Their Agents/Representatives Known to Staff

<u>Organization Name</u>	<u>Name</u>	<u>Role</u>	<u>Location</u>
AECOM subconsultants / subcontractors			
Kleinfelder, Inc.	Andres Traum	Geotechnical Investigation	380 N 1 st St Suite A San Jose, CA 95113
Ruggeri-Jensen-Azar	Scott Shortlidge	Survey	4690 Chabot Drive Suite 200 Pleasanton, CA 94588
Cal Engineering and Geology	Dan Peluso	Geotechnical Investigation	785 Ygnacio Valley Road Walnut Creek, CA 94596
Horizon Water and Environment	Ken Schwarz	Environmental Permitting Compliance	266 Grand Avenue Suite 210 Oakland, CA 94610
MGE Engineering, Inc.	Robert Sennett	Structural Designer	7415 Greenhaven Drive Suite 100 Sacramento, CA 95831
M Lee Corporation	Franklin Lee	Cost Estimating	601 Montgomery Street Suite 2040 San Francisco, CA 94111
Garavaglia Architecture	Michael Garavaglia	House Elevation Architect	582 Market Street Suite 1800 San Francisco, CA 94104
Duquette Engineering	Steven P Duquette	Structural Engineer	1171 Homestead Road Suite 275 Santa Clara, CA 95050
Bess Test Labs	Michael Bohorquez	Utility Locator	2463 Tripaldi Way Hayward, CA 94545
EROCK Associates LLCs	Eric Bennett	UAV	116 W. Main Street Suite 6

			Grass Valley, CA 95945
Bay Area Traffic Solutions, Inc.	Tammy Ta	Traffic Control	44800 Industrial Drive Fremont, CA 94538
CERCO Analytical, Inc.	Darlene Langford	Analytical Testing	1100 Willow Pass Court Suite A Concord, CA 94520
Exploration Geoservices, Inc.	John Collins	Drilling	1535 Industrial Avenue San Jose, CA 95112
McCampbell Analytical	Beverlyn Madrigal	Analytical Testing	1534 Willow Pass Road Pittsburg, CA 94565
Pitcher Services, LLC	Terry Shewchuk	Drilling	218 Demeter Street E. Palo Alto, CA 94303
Taber Drilling	Brian Young	Drilling and/or CPT	536 Galveston Street West Sacramento, CA
JDH Corrosion Consultants, Inc.	J. Darby Howard	Corrosion Testing	1100 Willow Pass Court Concord, CA 94520
Gregg Drilling, LLC	Tim Boyd	Drilling and/or CPT	950 Howe Road Martinez, CA 94553



Santa Clara Valley Water District

File No.: 23-0223

Agenda Date: 3/20/2023

Item No.: 4.5.

COMMITTEE AGENDA MEMORANDUM **Capital Improvement Program Committee**

Government Code § 84308 Applies: Yes ☐ No ☒
(If "YES" Complete Attachment A)

SUBJECT:

Review 2023 Capital Improvement Program Committee Work Plan.

RECOMMENDATION:

Review the 2023 Capital Improvement Program Committee Draft Work Plan and make adjustments, as necessary.

SUMMARY:

Work Plans are created and implemented by all Board Committees to increase Committee efficiency, provide increased public notice of intended Committee discussions, and enable improved follow-up by staff. Work Plans are dynamic documents managed by Committee Chairs and are subject to change. Committee Work Plans also serve to assist to prepare an Annual Committee Accomplishments Reports.

Discussion of topics as stated in the Plan have been described based on information from the following sources:

- Items referred to the Committee by the Board;
- Items requested by the Committee to be brought back by staff;
- Items scheduled for presentation to the full Board of Directors; and
- Items identified by staff.

Regular monthly meetings are scheduled to occur at 11:00 a.m., on the third Monday of each month or at the call of the Committee Chair.

Establishing a work plan and meeting schedule are necessary to provide staff a basis for meeting planning and logistics coordination and agenda item preparation. Attachment 1 is the 2023 CIP committee work plan for review and comments by the CIP committee.

File No.: 23-0223

Agenda Date: 3/20/2023
Item No.: 4.5.

ATTACHMENTS:

Attachment 1: 2023 CIP Committee Work Plan

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

CIP Committee 2023 Work Plan

	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>
Capital Project Monitoring												
Feasibility/Planning		X		X				X		X		
Design/Permitting		X			X			X			X	
Construction			X			X			X			X
Projects in Mitigation/Plant Establishment						X						
CIP Implementation												
Water Treatment Plant Master Plan Implementation		X										
Pond A4 Resilient Habitat Restoration			X									
Contracts Compliance Process Review				X								
Guadalupe River – Tasman to 880 Alternatives						X						
CIP Development												
CIP Process Audit					X							
CIP Planning Process												
• Annual CIP Process and Integrated Financial Planning Schedule and Review of Initially Validated and Unfunded Projects										X		
• Review Significant Project Plan Updates											X	
Preliminary CIP Review												X
Standing Items												
Anderson Dam Tunnel Project Contingency and Change Order Monitoring	X	X	X	X	X	X		X	X	X	X	X
Upcoming Consultant Agreement Amendments	X	X	X	X	X	X		X	X	X	X	X
Workplan	X	X	X	X	X	X		X	X	X	X	X
Minutes	X	X	X	X	X	X		X	X	X	X	X
Annual Election of Committee Officer	X											

Canceled

Recess

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