

CALAVERAS COUNTY WATER DISTRICT ENGINEERING COMMITTEE MEETING

OUR MISSION

Protect, enhance, and develop Calaveras County's water resources and watersheds to provide safe, reliable, and cost-effective services to our communities.

2021-2026 Strategic Plan, Adopted April 28, 2021, can be viewed at this [link](#)

Engineering Committee
Tuesday, September 10, 2024
2:00 p.m.

Calaveras County Water District
120 Toma Court
San Andreas, California 95249

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COMMITTEE MEMBERS

Director Davidson, Chair

Russ Thomas, Director

ORDER OF BUSINESS

CALL TO ORDER / PLEDGE OF ALLEGIANCE

1. **ROLL CALL**

2. **PUBLIC COMMENT**

3. **APPROVAL OF MINUTES:** For the meeting of July 2, 2024

4. **NEW BUSINESS**

4a Sawmill Tank Replacement Design Services Amendment with Wallace Tank
(Kevin Williams, Senior Civil Engineer)

4b Copper Valley Development Project Update
(Sam Singh, Senior Engineering Technician)

4c Water & Sewer Ordinance Overview
(Mark Rincon-Ibarra, District Engineer)

5. **OLD BUSINESS**

5a Capital Improvement Updates
(Juan Maya, Associate Civil Engineer)

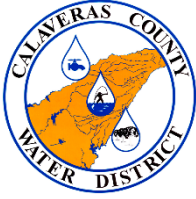
5b Other Updates
(Engineering Department)

6.* **GENERAL MANAGER COMMENTS**

7.* **DIRECTOR COMMENTS OR FUTURE AGENDA ITEMS**

8. **NEXT COMMITTEE MEETING:** November 5, 2024

9. **ADJOURNMENT**



CALAVERAS COUNTY WATER DISTRICT SPECIAL ENGINEERING COMMITTEE

MINUTES
July 2, 2024

Directors/Committee Members present:

Russ Thomas
Jeff Davidson

Staff present:

Michael Minkler	General Manager
Mark Rincon-Ibarra	District Engineer
Sam Singh	Senior Engineering Technician
Jared Gravette	Senior Supervisor Construction Inspection
Juan Maya	Civil Engineer
Haley Airola	Engineering Coordinator
Kelly Gerkenmeyer	External Affairs Manager
Pat Burkhardt	Construction/Maintenance Manger
Kate Jesus	Human Resources Technician*
Rebecca Hitchcock	Executive Assistance/Clerk to the board*
John Coleman	Water Resources Manager
Jason Knick	Construction Inspector*
Jeff Meyer	Director of Administrative Services
Bana Rousan-Gedese	Water Resource Specialist*
Kylie Muetterties	Accountant I*
Michael Bear	Accountant II*

Others present:

Bill Slenter	Member of the Public*
Cindy Secada	Member of the Public*
Francsio De La Cruz	Member of the Public*
Micheal Rodgers	Member of the Public*

CALL TO ORDER / PLEDGE OF ALLEGIANCE.

1. ROLL CALL

Director Thomas called the Engineering Committee to order at 2:00 p.m. and led the Pledge of Allegiance.

2. PUBLIC COMMENT

No Comments from the Public

3. APPROVAL OF MINUTES

The June 4, 2024, minutes were approved by a motion from Director Thomas and seconded by Director Davidson.

4. NEW BUSINESS

**4a Fire District Operations & Maintenance
(Damon Wycoff, Director of Operations)**

DISCUSSION: Damon Wycoff presented on the Districts collaboration with the local Fire Protection Districts to maintain the fire hydrants. Any questions from the Committee were answered directly by Damon Wycoff.

PUBLIC COMMENT: No Public Comment was given.

**4b Construction Management for Copper Tanks Construction
(Mark Rincon-Ibarra, District Engineer)**

DISCUSSION: Mark Rincon-Ibarra, presented on the budget adjustment for the Copper Cove Clearwell and B Tank Project, CIP 11083C. Mark requested to present it to the full Board. Motioned by Director Thomas and seconded by Director Davidson. All questions from the Committee were answered directly by Mark.

PUBLIC COMMENT: No Public Comment was given.

**4c Arnold WWTP Improvements Construction Funding Update
(Mark Rincon-Ibarra, District Engineer)**

DISCUSSION: Mark Rincon-Ibarra provided an update on the project and requested to present it to the full Board. Motioned by Director Davidson and seconded by Director Thomas. All questions from the Committee were answered directly by Mark.

PUBLIC COMMENT: No public comment given.

**4d La Contenta WWTP Improvements Engineering Design Consultant Selection
(Mark Rincon-Ibarra, District Engineer)**

DISCUSSION: Mark Rincon-Ibarra provided an update on the recently received RFP's and requested to present it to the full Board. Motioned by Director Davidson and Seconded by Director Thomas. All questions from the Committee were answered directly by Mark.

PUBLIC COMMENT: Public comment given by Micheal Rodgers.

**4c AMI Project Additional Purchases
(Mark Rincon-Ibarra, District Engineer)**

DISCUSSION: Mark Rincon-Ibarra provided information on the project and additional funding available. All questions from the Committee were answered directly by Mark.

PUBLIC COMMENT: No Public comment given.

4f Douds Fuel Break Project Update
(John Coleman, Water Resources Manager)

DISCUSSION: John Coleman provided a project update and the projected plan for the next year. Any questions from the Committee were answered directly by John.

PUBLIC COMMENT: No Public was given.

5. **OLD BUSINESS**

5a **Capital Improvement Updates**
(Engineering Department)

DISCUSSION: The engineering department provided updates on all CIP projects. Any questions from the Committee were answered by the department.

PUBLIC COMMENT: No Public comment was given

5b **Other Updates**
(Engineering Department)

DISCUSSION: The engineering department provided updates on other projects including developer driven projects. Any questions from the Committee were answered by the department.

PUBLIC COMMENT: Public comment was given by Fransico de la Cruz.

6. **GENERAL MANAGER COMMENTS**

None.

7. **DIRECTOR COMMENTS OR FUTURE AGENDA ITEMS**

Director Davidson asked how the Chevron Determination will affect the District and other local agencies. Director Thomas asked for a report on Gold Creek Subdivision.

8. **NEXT COMMITTEE MEETING**

September 3, 2024

9. **ADJOURNMENT**

There being no further business, the meeting adjourned at approximately 3:14 p.m.

Respectfully submitted,

Haley Airola _____

Haley Airola
Engineering Coordinator

DRAFT

Agenda Item

DATE: September 10, 2024

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Kevin Williams, Senior Civil Engineer

RE: Amendment for Blackwater Engineering for Design of New Water Storage Tank in Wallace *CIP#11083W*

SUMMARY:

The District issued a Request for Proposals (RFP) on June 3, 2024 for Design Services for Sawmill Tank Replacement in Arnold. Blackwater Engineering was selected as the Design Consultant.

The next water storage tank in priority under the tank replacement/rehabilitation program was the Wallace Tank. The ground-level water storage tank at the Wallace Water Treatment Plant is in poor condition and needs to be replaced. The scope of work for Wallace Tank will be very similar to the design effort for Sawmill Tank, currently under design. It can be more economical and efficient to combine two smaller projects into one larger project. Efficiencies will be realized in bid document preparation and construction. Even though the two work locations are geographically separated, anticipated savings are a result of not having to administer two separate design and construction contracts for the same scope of work. Construction on the Sawmill Tank would be completed within the summer and fall of 2025, while the work on Wallace Tank would likely be completed when demand is the lowest in the winter and spring of 2025-26, thus allowing the same construction crews to move between the two work locations.

Blackwater Engineering provided a detailed proposal Wallace Tank in the amount of \$365,063 which includes design, environmental, and construction assistance. This cost is similar to the approved proposal of the amount of \$382,574 for Sawmill Tank. Staff are looking for the recommendation for the Engineering Committee to take the proposed amendment (Proposal) to Blackwater Engineering's Professional Services Contract to the full Board.

FINANCIAL CONSIDERATIONS

The approved budget for CIP #11083W (Tank Rehabilitation Program) includes \$1,000,000 for Tanks in FY24-25 and an additional \$1,250,000 in FY25-26 with is sufficient to complete Wallace Tank. The overall Project Cost including construction is

estimated at \$1,500,000. Funds from Wallace CSD that were earmarked for improvements to Wallace Sewer and Water could also be available for use on this Project.

Attachments:

- 1) *Blackwater Proposal*

August 28, 2024

Kevin Williams
Senior Civil Engineer
Calaveras County Water District
kevinw@ccwd.org

(VIA: EMAIL)

Subject: Wallace Tank Replacement Project
Scope and Fee Proposal

Dear Mr. Williams,

Black Water Consulting Engineers, Inc. (Black Water/Consultant) is pleased to submit this scope of work and fee proposal to Calaveras County Water District (CCWD/District/Client) for the planning, design, and construction documentation of a new steel water tank at the Wallace water system. This initiative is a part of the District's ongoing tank rehabilitation program and will parallel the Sawmill Tank Replacement Project, enabling simultaneous design and construction of both projects.

Black Water understands that CCWD intends to replace the existing 224,000-gallon ground-level water storage reservoir in Wallace with a new bolted steel tank of similar capacity and dimensions. The project includes the flexibility to either situate the new tank on the existing foundation or relocate it within the current site, based on the final design and temporary service requirements. Temporary water storage may be facilitated using CCWD's 8,000-gallon poly tanks and bypass piping during construction, ensuring continuous water supply to the community. To minimize disruption, construction will be scheduled for the winter season, when water demand is at its lowest.

The replacement tank will be outfitted with advanced float controls and a 0-15 psi level transducer, which will be seamlessly integrated into the existing system controls. Additionally, Black Water will ensure that all necessary permanent interconnections between the new tank and the existing treatment and booster pump systems are provided.

This comprehensive scope of work, detailed in the attached fee proposal, reflects our commitment to delivering a high-quality, cost-effective solution that meets CCWD's needs and expectations. We appreciate the opportunity to submit this proposal to the District and look forward to working with you concurrently with the Sawmill Tank Replacement Project if our proposal is accepted. Should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,



Jeff Black, P.E.
President

Attachments: Scope of Work, Estimated Detailed Fee; Black Water 2024 Rate Schedule

**Calaveras County Water District
Wallace Tank Replacement Project**

August 28, 2024

SCOPE OF WORK

Task 1 – Project Management

Consultant will participate as needed in project meetings not specifically identified in this scope of work and maintain correspondence and decision logs for the duration of the Project. Consultant will follow standards of professionalism necessary to maintain the project budget, schedule, and administrative requirements of the Consultant's scope of work.

Task 2 – Background Research and Field Investigations

Consultant will conduct comprehensive site visits, obtain a topographic survey, and oversee a geotechnical site investigation to gather all necessary background information.

Task 3 – CEQA and SWPPP

Consultant will ensure compliance with CEQA requirements and address environmental impacts. A project-specific SWPPP will be developed to manage stormwater and prevent pollution during construction.

Task 4 – Preliminary Design Report

Preliminary Design Report (PDR): Based on the data collected, Consultant will develop a PDR for Client's review and comments. This report will outline the preferred design approach and any alternative solutions for consideration.

Final Design Report (FDR): The FDR will incorporate feedback from the PDR and serve as the definitive guide for the preparation of detailed construction plans and specifications.

Task 5 – Project Design

Consultant will prepare all necessary construction documents, including detailed plans, specifications, and cost estimates, ensuring compliance with all applicable codes and regulations.

Task 6 – Construction Assistance

Consultant will provide support during the bidding process, responding to contractor inquiries and issuing any necessary addenda. During construction, Consultant will be available to assist with any engineering-related issues that arise, ensuring that the project is completed on time and within budget.



CALAVERAS COUNTY WATER DISTRICT
 WALLACE TANK REPLACEMENT PROJECT
level of effort - staff time
 Fee Schedule

BLACK WATER CONSULTING ENGINEERS										Subconsultants				Totals	
Billing Rates \$/hr		288	262	228	184	155	113								
TASK	Task Activity	Principal	Project Manager	Associate Engineer	Assistant Engineer	Design / Drafting	QAQC/ Admin.	Black Water Total Hours	Black Water Fee	NorthStar (Survey)	Crawford (Geotech)	Base Camp (CEQA)	SWPPP	Subconsultants Total Fees	Total Fee ³
1	Project Management														
	Kick-Off Meeting	1	1	1	1			4	\$962					\$0	\$962
	Agency Coordination	1	6	6	12		8	33	\$6,340					\$0	\$6,340
	Progress Reports, Decision Log, and Schedule Updates	2	12	12	4		12	42	\$8,548					\$0	\$8,548
	Budget and Invoicing	1	15				30	46	\$7,608					\$0	\$7,608
	Total Task 1	5	34	19	17	0	50	125	\$23,458	\$0	\$0	\$0	\$0	\$0	\$23,458
2	Background Research and Field Investigations														
	Information Collection and Review	2	8	8	24			42	\$8,912					\$0	\$8,912
	Site Visit (Assume 3)	4	10	15	15			44	\$9,952					\$0	\$9,952
	Utility Research and Coordination		2	4	4	4		14	\$2,792					\$0	\$2,792
	Topographic Survey		2	4		6		12	\$2,366	\$11,420				\$11,420	\$14,928
	Geotechnical Investigation and Report	1	2	4	2			9	\$2,092		\$28,000			\$28,000	\$32,892
	Total Task 2	7	24	35	45	10	0	121	\$26,114	\$11,420	\$28,000	\$0	\$0	\$39,420	\$69,476
3	CEQA and SWPPP														
	Prepare technical memorandum to support Categorical Exemption - See Note 2		1	1	2		2	6	\$1,084			\$3,000		\$3,000	\$4,384
	Prepare Stormwater Runoff Control Plan			2	2	2	1	7	\$1,247			\$15,400		\$15,400	\$18,187
	Total Task 3	0	1	3	4	2	3	13	\$2,331	\$0	\$0	\$3,000	\$15,400	\$18,400	\$22,571
4	Preliminary Design Report														
	Draft Report	2	20	28	40	80	8	178	\$32,864					\$0	\$32,864
	Final Report	2	6	12	24	16	2	62	\$12,006					\$0	\$12,006
	Total Task 4	4	26	40	64	96	10	240	\$44,870	\$0	\$0	\$0	\$0	\$0	\$44,870
5	Project Design														
	50% Plans and Cost Estimate	2	12	24	60	32	8	138	\$26,096					\$0	\$26,096
	90% Plans, Specifications, and Cost Estimate	4	20	52	80	160	24	340	\$60,480					\$0	\$60,480
	100% Plans, Specifications, and Cost Estimate	2	8	16	16	60	4	106	\$19,016					\$0	\$19,016
	Final Plans, Specifications, and Cost Estimate for Construction (Bid-Ready Set)	2	8	16	16	12	12	66	\$12,480					\$0	\$12,480
	Total Task 5	10	48	108	172	264	48	650	\$118,072	\$0	\$0	\$0	\$0	\$0	\$118,072
	SUB-TOTAL														
		26	133	205	302	372	111	1149	\$214,845	\$11,420	\$28,000	\$3,000	\$15,400	\$57,820	\$278,447
6	Construction Assistance														
	Pre-Bid Job Walk and Site Meetings (Assume 4)	6	9	9	9			33	\$7,794					\$0	\$7,794
	Project Management and Administration (9 Months per RFP)	18	40		9		18	85	\$19,354					\$0	\$19,354
	Prepare Addendums (Assume 4)	2	8	12	24	24	4	74	\$13,996					\$0	\$13,996
	RFI's / Change Orders (Assume 10)	2	8	40	20			70	\$15,472					\$0	\$15,472
	Submittal Reviews (Assume 50)	4	16	32	48			100	\$21,472					\$0	\$21,472
	Record Drawings		8		8	32		48	\$8,528					\$0	\$8,528
	Total Task 6	32	89	93	118	56	22	410	\$86,616	\$0	\$0	\$0	\$0	\$0	\$86,616
	TOTALS	58	222	298	420	428	133	1,559	301,461	\$11,420	\$28,000	\$3,000	\$15,400	\$57,820	\$365,063
														TOTAL FEE	\$365,063

- Notes:**
- All scope items and associated fees are based on the best approximation we can make given the current level of information we have.
 - If the project requires preparation of an Initial Study and Mitigated Negative Declaration, add \$25,000.
 - Subconsultant work is charged at cost plus 10 percent.



2024 Rate Schedule

	Hourly Rate
ENGINEERING:	
ENGINEERING INTERN	\$113.00
ENGINEER TECHNICIAN	\$173.00
ASSISTANT ENGINEER	\$184.00
ASSOCIATE ENGINEER	\$228.00
PROJECT MANAGER	\$262.00
PRINCIPAL	\$288.00
TECHNICAL STAFF:	
CAD TECHNICIAN	\$155.00
SENIOR CAD TECHNICIAN	\$178.00
SENIOR CAD DESIGNER	\$213.00
FIELD SERVICES:	
CONSTRUCTION INTERN	\$113.00
CONSTRUCTION INSPECTOR	\$212.00
CONSTRUCTION MANAGER	\$262.00
ADMINISTRATION:	
ADMINISTRATION	\$113.00
EXPERT WITNESS:	\$374.00
DIRECT COSTS:	COST PLUS 10 PERCENT
SUBCONSULTANTS:	COST PLUS 10 PERCENT
MILEAGE:	IRS RATE

The above rate schedule is subject to adjustment December 31, 2024.

Agenda Item

DATE: September 10, 2024

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Sam Singh, Senior Engineer Technician

RE: Copper Valley Development Update

SUMMARY

The Copper Valley Town Square Project (Town Square) was acquired by Copper Valley Development Partners, LLC in 2018. The said development is of mixed use with commercial buildings which range from retail, restaurants and offices while the upper floors on some of the buildings are residential condominium units. Ever since the acquisition of the project, the owner has made some significant improvements to the existing buildings:

- Building 3, which was converted into the Gateway Hotel with residential units on top floor
- Building 4 has been changed to have a pool and bar while keeping the other retail businesses intact
- Building 6 has changed use to a Medical Center
- Building 8 had structural changes to expand the existing Café.



Image: The Gateway Hotel, Copper Valley Town Square

These changes were accepted by the District keeping on course with the infrastructure in place and improvements that had to be made per the Facilities Agreement of Copperopolis Condominium Project.

These changes have been a boost to the community development, however they had significant impacts on the water and sewer infrastructure.

Water

Water infrastructure that serves town square includes a 500,000 gallon storage reservoir, a 12-inch water main, and booster pump station on Reeds Turnpike. The storage reservoir and water main were constructed and funded by the developer, and an Area of Benefit was established to pay back a portion of the cost of improvements over 20-year period. The Area of Benefit is set to expire in 2027.

The Reeds Turnpike Pump Station was not improved upon as all development had halted due to the 2008 economic downturn. However, the developer is paying on a performance bond to construct a 200 gpm rated booster pump station that should be able to support the buildout in Town Square. Recent fires in Copper Cove service area have highlighted the shortfalls of the existing pump station as the demand for fire flows would have depleted the domestic supply from Copperopolis Storage Reservoir.

The District staff and owners of CV Development Partners, LLC have been mutually working with Weber Ghio and Associates Engineering firm to design the booster pump station. Design drawings have reached 60% completion. District staff is working with the property owner to expand the easement on front of the property to accommodate new construction.

Sewer

Town Square sewer infrastructure includes the collection system, a temporary lift station, force main, and a temporary storage tank. The District had accepted the gravity collections system in Town Square and maintained it since 2007. Temporary facilities were constructed by the previous owners with possibility of tying the collections system to adjoining developments that were proposed at that time. Septage is being trucked using Septic Pumping Services from the temporary storage tank to the District Copper Cove Wastewater Treatment Plant at the owners expense. These trips are becoming more too frequent with the added development in Town Square.

With the proposed additional development of Buildings 11, 12, 15, 20 , 22, townhouses and extension of the Gateway Hotel with 34 additional units, the temporary facilities can be overwhelmed with septage. This has triggered the need for permanent solution to construct a lift station and force main to dispose of the septage at the Copper Cove WWTP. A pre-design report has been developed by the owner's engineer which describes the force main alignment along Little John Road and possible tie-in location at Saddle Creek Subdivision collection system.

District Staff and engineering representatives from Copper Valley have had some productive discussions about the location of new lift station that could accommodate the buildout of Town Square and the proposed Sawmill Subdivision.

The District and Calaveras County had a meeting to discuss the operations, emergency alarm response and safety procedures for the temporary facilities until the permanent lift station and force main are constructed.

FINANCIAL CONSIDERATIONS

There is no financial consideration for the District. The owner has expressed interest in using BOLD financing program to fund the projects.

Agenda Item

DATE: September 10, 2024

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Engineering Department

RE: Water and Sewer Ordinance Update

BACKGROUND The Calaveras County Water District's Water/Sewer Ordinance is a series of documents that address specific topics for managing District water and sewer infrastructure uses. Starting in 1961, the District has developed numerous ordinances (92 through 2023) that continue to be in effect. They are typically written to address specific provisions with a series of articles that establish rules that will govern the topic at hand. For example, a pending ordinance (2024-XXX) has been drafted to address "Regulating the Use, Installation and Maintenance of Wastewater Facilities" with the following Articles:

- Article I – Definitions
- Article II – General Provisions
- Article III – Use of Public Sewers Requires
- Article IV – Private Sewer Disposal within Established Wastewater Districts
- Article V – Building Sewer, Laterals Sewers and Connections
- Article VI – Public Sewer Connections
- Article VII – Use of Public Sewers
- Article VIII – Permits and Fees
- Article IX – Enforcement
- Article X – Miscellaneous Provisions

These Ordinances continue to be in effect. However, there are a number that are outdated or have been established on superseded laws or generally accepted practices.

DISCUSSION

The goal of this project is to consolidate and simplify the organization of the District's Water Ordinance and Wastewater Ordinance. The revised ordinances will set the basis of administering the water and wastewater systems.

The approach to this project is to form an internal working group with representatives from the Engineering, Operations, and Administrative Services departments to review and develop two new ordinances that will address water and wastewater services. Furthermore, the proposed ordinances will be structured to refer to Policy Statements that provide as-needed updates to provisions, such as fees.

A simplified example of a Water Utility Ordinance outlines that addresses the administration of the utility and references policies for specific items is presented below: The proposed schedule to fulfill the project is as follows:

Item	Schedule
Convene an internal working group	October 2024
Provide draft of a water ordinance	December 2024
Engineering Committee presentation	February 2025
Engineering Committee comments/edits	April 2025
Final Draft for Board of Directors review	June 2025
Board of Directors Adoption	August 2025

This simplified ordinance outline provides a framework for administering the water utility and references policies for specific items. A similar framework will be developed for the wastewater utility.

Water Utility Ordinance

Article I: General Provisions

Section 1.1: Purpose This ordinance establishes the rules and regulations for the administration of the water utility, ensuring the provision of safe, reliable, and efficient water services to all customers.

Section 1.2: Definitions

- Utility: The water utility service provider.
- Customer: Any individual or entity receiving water services from the utility.
- Service Connection: The infrastructure connecting the utility's water supply to the customer's premises.

Article II: Administration

Section 2.1: Governance The utility shall be governed by a Board of Directors, responsible for policy-making, oversight, and ensuring compliance with all relevant regulations.

Section 2.2: Management The utility's day-to-day operations shall be managed by a General Manager, appointed by the Board of Directors.

Section 2.3: Reporting The General Manager shall provide regular reports to the Board of Directors on the utility's performance, financial status, and any issues requiring attention.

Article III: Fees and Charges

Section 3.1: Rate Setting The Board of Directors shall establish water rates and charges based on the cost of service, ensuring the utility remains financially self-sustaining.

Section 3.2: Billing Customers shall be billed monthly for water services. Bills shall include charges for water usage, service fees, and any applicable taxes.

Section 3.3: Payment Policies Payments are due within 30 days of the billing date. Late payments may incur additional fees as determined by the Board of Directors.

Section 3.4: Fee Schedule A detailed fee schedule, including connection fees, disconnection fees, and penalties for late payments, shall be maintained and made available to all customers.

Article IV: Service Policies

Section 4.1: Service Connections All new service connections shall be approved by the Utility Manager and installed in accordance with utility standards.

Section 4.2: Maintenance The utility shall be responsible for maintaining the main water lines. Customers are responsible for maintaining service connections on their property.

Section 4.3: Disconnection The utility reserves the right to disconnect service for non-payment, illegal connections, or violations of utility regulations.

Article V: Conservation and Sustainability

Section 5.1: Water Conservation The utility shall promote water conservation through public education and incentive programs.

Section 5.2: Sustainable Practices The utility shall implement sustainable practices to ensure long-term water availability and environmental protection.

This simplified ordinance outline provides a framework for administering the water utility and references policies for specific items. A similar framework will be developed for the wastewater utility.

Agenda Item

DATE: September 10, 2024

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Engineering Department

RE: Capital Improvement Project Updates

Construction Phase

Copper Cove:

Copper Cove Lift Stations 6, 8, 15 & 16 and Lift Stations 12 & 13 Force Main Bypass Project (CIP 15076/15080)

Lift Station 6 Mechanical and Electrical is complete and tested, the lift station should be placed online within the next couple of weeks pending onsite startup/testing of the standby generator. Mozingo will be mobilizing to start excavation at Lift Station 8.

Copper Cove Water System Improvements Project (CIP 11083C)

Filling of B Tank is complete, and VOC compliance testing is to be conducted this week. Once the new B Tank is online, the contractor will start rehabilitation of the existing steel tank. The storm drain at the clearwell site is near completion. Piping fabrication at the B Tank and Clearwell are also near completion.

Jenny Lind:

Jenny Lind Water System A-B Water Transmission Pipeline (CIP 11088)

Supply delays of mechanical joints have delayed the start of construction to October 1st. The pavement agreement with the County is scheduled to go to the Board of Supervisors for final approval on September 10th.

Jenny Lind Clearwell #2 Rehabilitation (CIP 11083)

The start of construction is October 2024, and the estimated completion is June 2025.

West Point:

West Point Water Supply Reliability Improvements (CIP 11106)

Project is almost ready for close-out. Operations is addressing outstanding issues with burnt building and foundation slab.

West Point and Wilseyville Wastewater Consolidation Project (CIP 15091)

Sac Valley Electrical is onsite working on the electrical components and light poles. KW Emerson is working on finish grading. Change Order needed to eliminate the painting of

concrete curbs and canopy. We are working on a Time Extension Request with the Clean Water State Revolving Fund.

Districtwide:

AMI / AMR Project (CIP 11096)

Staff are reviewing options to utilize the unused funding and purchase controls for PRV Stations. Met with Cla-Val and went over PRV control options. Project closeout will proceed once this final purchase is completed.

Design Phase

Ebbetts Pass:

Ebbetts Pass Hunters Raw Water Intake Pumps (CIP 11103)

Cal-OES completed a financial audit of the Project. There were some corrective actions that need to be submitted to Cal-OES, related to Federal Contracting Requirement. There are no penalties from the audit. Funding levels at Cal-OES are low, and they are prioritizing the projects released for construction funding.

Arnold Wastewater Secondary Clarifier Improvements Project (CIP 15095)

The District is moving forward with grant application for USDA funding. USDA has no monies available until the Federal Fiscal Year 2024-25. Staff will submit grant applications in the first two weeks of October. Consultations with two Tribes' representatives are complete. Received questions from CWSRF on grant application through the State. SHPO is underway for Cultural Resources.

Sawmill Tank Management Program (CIP 11083S)

A kickoff meeting with Blackwater Consulting Engineers is scheduled for this week. Once the project design report is completed, a PO for acquisition of a tank will be released.

Sheep Ranch Water Supply Reliability (CIP 10080)

This study is on hold pending discussions with water purveyors along the Hwy 4 corridor regarding system inerties.

Copper Cove:

Copper Cove Wastewater Treatment Plant Tertiary Treatment Improvements and Facilities Plan (USACE Section 219 Project – Increment No. 1). (CIP 15094)

USACE noted that early procurement is possible for the SAF system under an amended Letter Report/Project Partnership Agreement (LR/PPA). USACE Office of Counsel is writing an internal draft for review. The amended LR/PPA will not include increment 2 (dam raise/utility relocation) project elements. The project schedule indicates that construction would start in August of 2025.

CCWD's engineering consultant (HydroScience Engineering) is working on the project's 90% design. Additionally, they are developing a water balance to assist with determining a preferred project phasing plan.

CCWD's environmental consultant (Dewberry) has issued an Administrative Draft Environmental Assessment/Finding of No Significant Impact (EA/FONSI) for review. The Historic Preservation and Cultural Resources findings are scheduled to be issued for SHPO review by September 6, 2024.

Copper Cove Wastewater Treatment Plant – Pond 6 Dam and Effluent Storage Reservoir Enlargement Project (USACE Section 219 Project – Increment No. 2). (CIP 15112)

As currently defined, the treatment improvements project is separate from dam enlargement project. Pending is the need to address borrow site for compatible soil; Staff is to review an old agreement with the original borrow site property owner. USACE has initiated the EA process. Waiting on Wagner & Bonsignore for updated cost estimate for the project. Once the USACE has authorized the revised LR/PPA, the design will commence.

Copper Cove C Transmission Line & Pump Station (CIP 11122)

CCWD's engineering consultant, PBI, submitted 90% design drawings and the District returned comments. PBI is working on the final design. The District contracted with Badger Daylighting to pothole to verify the precise location of existing utilities and connection points. Pothole data will be included in the final design.

Lake Tulloch Intertie Project (CIP 11104)

Staff met with PBI onsite and looked at the connection points and the alignment. We are working with property owners on survey access for arial drone targets and will follow up with PBI on the survey. Geotechnical soil borings are underway.

Copper Cove O'Byrnes Water Line Extension (CIP 11132)

CCWD Legal Department is negotiating with the property owner's legal representative to resolve the easement.

Jenny Lind / La Contenta:

La Contenta Biolac and Clarifier (CIP 15097)

A topographical survey was completed, and geotechnical testing will begin within the next few weeks. CCWD's engineering consultant, HydroScience, is working on the preliminary design and alternative analysis for the design of the clarifiers.

Huckleberry Lift Station (CIP 15092)

CCWD's consultant, Lumos Engineering, initiated the design. Both the topographical survey and the field geotechnical study are complete. Lumos will be issuing a Preliminary Design Report by the end of the month.

Wallace Tank Replacement (CIP11083W)

Staff recommended the design work be proposed as part of Blackwater Consultant Engineer's amended PSA for the Sawmill Tank project.

Agenda Item

DATE: September 10, 2024

TO: Engineering Committee, Calaveras County Water District
Michael Minkler, General Manager

FROM: Engineering Department

RE: Other Updates

Copper Valley Town Square

Separate report provided (see Item 4B).

Gold Creek Subdivision Unit 3

Staff is working with the developer to address the improvement and other pending fees to get the development back on track.

Jenny Lind Elementary School Force Main Project

This project includes a 20,000-ft sewer force main from the Jenny Lind Elementary School to a connection point with CCWD existing sewer system near Vista Del Lago. The project is being funded by the Clean Water State Revolving Fund (CWSRF) and CCWD has entered a prior Letter Agreement with the School Board. The design phase is complete and has been accepted by the State Architect. Construction will be initiated once the State Revolving Fund has approved the schedule extension request. CCWD met with the Project Manager and Project Engineer. They provided a project update and CCWD explain modifications to their project (revised point of connection to LGI Homes new lift station). CCWD is handling LAFCO expansion.

North Vista Plaza / LGI Homes

CCWD, LGI Homes (developer) and their engineering consultants (Rick Engineering and Coleman Engineering) met on 7/16/24 and agreed to design a lift station that can accommodate their proposed development, Jenny Lind Elementary School and potential connections along the forcemain route from JL Elementary. The forcemain leaving the North Vista Plaza development will be routed in Vista del Lago Road and empty into a manhole near the Huckelberry Lift Station. Coordinating items include:

- CCWD has provided an EDU count from the Jenny Lind Elementary School and properties along the Jenny Lind Force Main. The JL School's negotiated 36 EDUs, and staff has estimated XX EDUs from properties along the alignment.
- An Area of Benefit establishment will include parcels from School to Vista Del Lago West along the alignment and will not have the commercial lots adjoining LGI development.

- CCWD has contacted LAFCO and will update the CCWD service area to include the area served by the JL Forceman and areas east of Hwy 26.
- Environmental exemption to be included in an amendment to the Facility Agreement with LGI Homes. The developer's environmental consultant, Helix, will need to contract directly with the District.