



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
Wednesday, March 6, 2024
2:00 p.m.

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

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ORDER OF BUSINESS

CALL TO ORDER / PLEDGE OF ALLEGIANCE

1. ROLL CALL

2. PUBLIC COMMENT

3. APPROVAL OF MINUTES: For the meeting of January 9, 2024

4. NEW BUSINESS

- 4a Jenny Lind A-B Construction Contract Update, Service Line Additive Item
(Kevin Williams. Senior Civil Engineer)

COMMITTEE MEMBERS

Director Davidson, Chair

Russ Thomas, Director

- 4b La Contenta WWTP Improvements
(Kevin Williams, Senior Civil Engineer)
- 4c Huckleberry Lift Station
(Kevin Williams, Senior Civil Engineer)
- 4d Reeds Turnpike Pump Station
(Juan Maya, Associate Civil Engineer)
- 4e Copper Cove Lift Station 6 & 8 Construction Scheduling Impacts
(Jared Gravette, Construction Inspector)

5. OLD BUSINESS

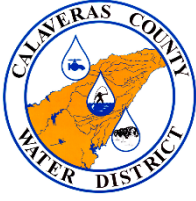
- 5a Capital Improvement Updates
(Engineering Department)
- 5b Other Updates
(Engineering Department)

6.* GENERAL MANAGER COMMENTS

7.* DIRECTOR COMMENTS OR FUTURE AGENDA ITEMS

8. NEXT COMMITTEE MEETING: May 7, 2024

9. ADJOURNMENT



CALAVERAS COUNTY WATER DISTRICT ENGINEERING COMMITTEE MEETING

MINUTES
January 9, 2024

Directors/Committee Members present:

Russ Thomas
Jeff Davidson

Staff present:

Michael Minkler	General Manager
Kate Jesus	Human Resources Technician
Mark Rincon-Ibarra	District Engineer
Kevin Williams	Senior Civil Engineer
Sam Singh	Senior Engineering Technician
Jared Gravette	Senior Supervisor Construction Inspection
Kelly Gerkenmeyer	Water Resources Specialist
Damon Wyckoff	Director of Operations
Pat Burkhardt	Construction and Maintenance Manager
Rebecca Hitchcock	Executive Assistant/Clerk to the Board
Jeffrey Meyer	Director of Administrative Services
Tiffany Burke	Administrative Technician

Others present:

Ralph Copeland	Member of the Public
Cindy Secada	Member of the Public
Francisco De La Cruz	Member of the Public
Michael Rogers	Member of the Public
Carl Collins	Member of the Public

CALL TO ORDER / PLEDGE OF ALLEGIANCE.

1. ROLL CALL

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

2. PUBLIC COMMENT

Carl Collins addressed the Committee regarding a noise issue at his residence. Ralph Copeland also mentioned a similar noise at his residence.

3. APPROVAL OF MINUTES

The November 2, 2023 minutes were approved by a motion from Director Thomas and seconded by Director Davidson.

4. NEW BUSINESS

**4a Proposed Professional Services Agreement with Landstedt Consulting for As-Needed Grant Administration
(Mark Rincon-Ibarra, District Engineer)**

Mr. Rincon-Ibarra presented contract options and benefits of using Landstedt Consulting for grant services due to the current staff constraints. The Engineering Committee agreed to have the item presented to the Board for approval at the next regular Board meeting.

**4b Master Meter at Meadowmont Shopping Center
(Sam Singh, Senior Engineering Tech)**

Mr. Singh reviewed the history and background of the property owner's request. He proposed a 4-inch master meter at the existing vault in the shopping center past the pressure reducing station, that will replace the existing 27 water meters. The property owner would be responsible for the cost of construction if performed by CCWD.. But they would also have the choice to outsource the construction to a contractor of their choice. Staff will follow up with the owner.

**4c Discussion on Proposal from Crosno Construction for Rehabilitation of Jenny Lind Water Treatment Plant Clearwell #2, CIP 11083J
(Kevin Williams, Senior Civil Engineer)**

Kevin Williams presented a quote from Crosno Construction for the rehab of the water tank. Crosno Construction is currently working on the Clearwell project in Copperopolis and the staff is very happy with their work. Mr. Williams discussed other concerns about the condition of the Jenny Lind tank, including the need to increase the CIP budget for this project. Ralph Copeland expressed concerns about the item not going to public bid. Kevin & Michael Minkler clarified the reasoning behind the decision. Francisco De La Cruz expressed concern of how the tank deterioration was not noticed previously. Kevin gave further clarification of the inspection process. The Committee agreed to have the item presented to the Board for approval at the next regular Board meeting.

**4d Service Termination Request Variance West Point
(Sam Singh, Senior Engineering Tech)**

The property owner has requested termination of water service as they currently use a well. One of the requirements of the Termination of Service policy is the fact that the property must not have a habitable structure, which this property does have. Staff recommended the owner apply for a Variance which requires a deposit of \$3,500. The property owner has now requested a Variance to the Variance Policy to have the deposit waived. Staff needs direction from the Committee to move forward. The Committee discussed the options of amending the current Termination of Service Policy to include the option to terminate service if the owner has a working well. Staff will follow up with possible policy updates and resolution with the property owner.

5. OLD BUSINESS

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

- AMI/AMR Project – Project closeout should be presented at the next Board meeting.
- Jenny Lind Water System A-B Water Transmission Pipeline – Project is currently out to bid with a bid opening in mid-February. The alternate bid items for service line replacements and paving options were discussed.
- Copper Cove Wastewater Projects – Discussion of separate project descriptions regarding the USACE funding.
- Copper Cove Lift Station Project (LS 15, 18 & Forcemain) –Supply chain issues have caused project delays which will impact traffic in the Poker Flat area this Summer.
- Copper Cove Clearwell and Tank B Project – Discussion of color choice for tanks which will blend in with local environment.

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

- Copper Valley Town Square – Update to the developer’s proposal of commercial buildings, commercial plaza area, Town Square townhomes, lift station and forcemain project, and pump station project.
- Jenny Lind Elementary School Forcemain Project – The location of the intermediate lift station was discussed.
- North Vista Plaza / LGI Homes – Continual work with developer on sewer forcemain and lift station.

6. GENERAL MANAGER COMMENTS

Mr. Minker gave updates on the following: 1) Charles Palmer’s upcoming retirement; 2) new Engineering Coordinator will start in the next few weeks;

Director Davidson mentioned the idea of internship programs for future Engineers.

7. DIRECTOR COMMENTS OR FUTURE AGENDA ITEMS

None.

8. NEXT COMMITTEE MEETING

March 5, 2024

9. ADJOURNMENT

There being no further business, the meeting adjourned at approximately 3:56 p.m.

Respectfully submitted,

Kate Jesus
Human Resources Technician

Agenda Item

DATE: March 6, 2024

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

FROM: Kevin Williams, Senior Civil Engineer

RE: Jenny Lind A-B Construction Contract Update, Service Line Additive Item

SUMMARY

The Jenny Lind Water System Tank A-B Transmission Pipeline Project is located in Rancho Calaveras near Valley Springs in western Calaveras County, CA. An existing 8-inch diameter asbestos cement pipe installed in the 1970s is being replaced due to age, poor condition and series of failures and repairs.

The project consists of furnishing and installing approximately 20,000 feet of 12-inch and 14-inch diameter ductile iron pipeline for a dedicated transmission pipeline between existing Tanks A and B. The new pipeline will operate at pressures up to 205 psi and have fully mechanically restrained joints. In addition, this project includes five pressure reducing stations, air relief valves, gate valves, and other appurtenances. The project requires modifying the Tank A pump station outlet piping and Tank B inlet and outlet piping arrangements.

The alignment starts at Tank A on Heinemann Dr, continues south along Hart Vickson Lane, Baldwin Street, and Usher Drive before ending at Tank B along Wind River Drive. The replacement pipeline will be placed within the existing pavement section of the County road right-of-way. Also, the Project will remove and replace 210 service lines as an optional additive bid item. If the service lines are not done during construction, the District would have to wait until a distant time in the future to complete the service line replacements to avoid cutting into newly placed pavement. County pavement restoration requirements for new pavement require an overlay or microsurface treatment of the entire affected lane between service lines.

A bid summary and Engineer's Estimate are shown below.

BIDDER	BASE BID AMOUNT	ADDITIVE BID ITEM
D.A. Wood Construction, Inc.	\$9,309,458.00	\$1,440,810.00
Ford Construction Company, Inc.	\$9,590,410.00	\$1,260,000.00

Mozingo Construction, Inc.	\$9,714,631.00	\$1,874,250.00
Mountain Cascade Inc.	\$9,855,650.00	\$1,404,480.00
Steve P. Rados, Inc.	\$9,902,222.00	\$1,543,500.00
T&S Construction Co., Inc.	\$9,987,764.00 (\$9,714,764.00)*	\$945,000.00
Garney Pacific, Inc.	\$10,679,835.00 (\$10,699,835.00)*	\$1,512,000.00
United Pavement Maintenance, Inc.	\$11,376,905.00	\$958,650.00
Teichert Construction	\$11,436,520.00	\$2,831,850.00
Preston Pipeline Infrastructure LLC	\$11,616,960.00	\$1,617,000.00
McGuire and Hester	\$11,898,606.00	\$2,520,000.00
Farr Construction Corporation	\$12,623,523.00	\$1,533,000.00

**Amount submitted does not match Bid Item Total.*

In Addendum #1 the service lines were added to the Project as, *BID ITEM NO 21 – ADDITIVE BID ITEM / REPLACEMENT OF WATER SERVICE LATERALS*. This additivity Bid Item did not include the cost of asphalt replacement or overlay. Pavement restoration would be paid for in the asphalt item in base contract, quantity overruns in this item due to the service lines replacement would be paid at the same rate as the bid, total estimated cost of asphalt work for the service lines would be \$60K.

Also, the Project includes an Allowance Item to compensate the Contractor on a Time and Materials basis for breaking non-ripable rock within the trench excavation. The Project currently has \$50,000 included for this allowance. This is an estimate, and the actual cost could exceed the current amount within the contract. The District is responsible to pay the full cost of Time and Materials work for Rock Breaking.

Coleman Engineering, Inc., the Design Engineer reviewed the three lowest bids. The apparent low bidder, D.A. Woods Construction, responded with all the requested information: license information, certificate of authorization, non-collusion declaration, bid bond, list of subcontractors, list of references and signed addenda. Colman found no discrepancies in the bid information and recommends awarding the construction contract to D.A. Woods as the lowest responsive and responsible bidder. D.A. Woods previously completed construction of the new distribution system for our wholesale water customer Snowshoe Springs.

FINANCIAL CONSIDERATIONS

Staff would like recommendations on proceeding or not proceeding with additive bid item and directions to bring to full board. The additive bid item would be the cost of \$1,440,810 plus cost of pavement trench restoration and overlays where required.

Agenda Item

DATE: March 6, 2024

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

FROM: Kevin Williams, Senior Civil Engineer

RE: La Contenta WWTP Improvements

SUMMARY

The La Contenta Wastewater Service area is currently 1,600 acres in sizes. There are 1,054 sewer connections, equaling 1,110 Equivalent Dwelling Units (EDUs). The District has three Memorandum of Understandings (MOU) related to new developments and community sewer services: Gold Creek Unit 3, North Vista Plaza, and Jenny Lind Elementary School. The District also has obligations to serve 113 vacant infill lots in portions of the community. The current service commitments in the La Contenta Sewer Service area is 1,577 EDUs.

The Calaveras County General Plan was updated in 2020, the General Plan has various land use categories. Staff used General Plan information to determine the total number of possible connections at build out to be 2,250 EDUs which is a reduction from the projected number of 2,695 in the 2017 Master Plan.

Staff has identified the need for improvements at the La Contenta Wastewater Facility for the purposes of reliability, water quality, asset management, and capacity for future planned development. We are describing these improvements as Phase 3, these improvements will be sized/designed for full build out as described below:

Second Activated Sludge Treatment System

1. A Parkson™ Biolac® activated sludge aeration basin, or similar.
2. Secondary effluent clarifier system.
3. RAS/WAS pump station.
4. Aeration system or modification of existing aeration basin for denitrification
5. Process systems for splitting of influent, flow measurement, and piping.

Electrical and Instrumentation Improvements

1. Electrical building housing the electrical service entrance, ATS, main MCC, etc. sized for facility build-out requirements.
2. Electrical improvements needed Phase 3 improvement equipment.

3. Replacement and/or relocation of existing electrical equipment from the existing Operation Room.
4. Replacement of existing SCADA system.
5. Identification and replacement, as required, of electrical equipment not meeting current NFPA 70E, National Electric Code and NFPA 820, Fire Protection in Wastewater Treatment and Collection Systems.

Recycled Water Pipe System Improvements.

1. A gravity flow effluent pipeline to the Lower Effluent Storage Pond (LESP) with minimum 1.80 MGD capacity. (3,700 LF Pipeline)

Storage Pond Drainage Improvements

1. Replacement of drain system for the Upper Effluent Storage Pond (UESP) to the Area (Return) pump station.

Before full build-out, Staff has identified other improvements that are needed but not currently included in this RFP Proposal:

1. Modify the plant headworks screens to increase capacity.
2. Additional UV Capacity, secondary channel.
3. Additional Seasonal Tertiary Effluent Storage.
4. Additional recycled water reuse or other effluent disposal method.
5. Flow control/equalization to filters.
6. I/I improvements in Collection System
7. Huckleberry Lift Station improvements (Separate RFP).

Staff is requesting concurrence from the Engineering Committee to issue the attached RFP for solicitation of proposals from Engineering Consultants to design Phase 3 Improvements. Upon staff review of the Proposals from Consultants we will bring the selected Proposal to the Board for Approval.

Alternatively, staff have considered completing these improvements through a Design Build Process, which was recently renamed Collaborative Delivery. California passed SB 991 that allows Water Agencies to use Collaborative Delivery and Progressive Collaborative Delivery on their Projects over \$5 Million in total cost. Staff attended an industry training seminar on Collaborative Delivery methodology that was hosted by experienced Collaborative Delivery teams including HydroScience Engineers.

In Collaborative Delivery the Build/Design team is not selected based on the lowest price but on the best value, which can result in a higher initial priced Project than traditional delivery but one that avoids most costly change orders. With Collaborative Delivery, the District would select a proven Design/Contractor team that would be held to performance standards instead of prescribed design. Confidential meetings with would-be teams are allowed before selecting the team, limited rules on what is allowed. The Collaborative Model would either include a “guaranteed maximum price” or “open book/negotiate as

you go” model where work is done at cost plus guaranteed fixed fee (Overhead/Markup). “Off-Ramps” can be written into the Collaborative Delivery contract that allows the District to decide to bid the Project as Low Bid once the design portion of the Collaborative Delivery is completed. Selecting a trusted Owner Adviser with extensive experience in Design Build/Collaborative Projects would be the first step. Locally, the Cities of Stockton and Manteca have successfully constructed several Water/Wastewater Projects using a Collaborative Process.

FINANCIAL CONSIDERATIONS

Staff has identified the most critical infrastructure improvements in this RFP. There is currently not adequate funding in the CIP 5-year plan to complete the improvements. Negotiations during the rate study removed budget from this Project.

Agenda Item

DATE: March 6, 2024

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

FROM: Kevin Williams, Senior Civil Engineer

RE: Huckleberry Lift Station

SUMMARY

Huckleberry Lift Station is the Main Lift Station in the La Contenta Service Area (Valley Springs) that conveys sewage through 12,350-FT of 12" pressurized PVC pipe to the La Contenta Sewer Treatment Plant. The District has identified the need to replace the existing Huckleberry LS as there are multiple operational issues regarding the Lift Station Including:

1. The lift station is subject to flooding.
2. Low flow conditions requiring discharge at high flow rate at LC WWTP.
3. A high discharge head, limiting ability to properly operate motors and pumps with variable frequency drive (VFD) units.
4. Existing pumps incorrectly sized, higher than predicted dynamic head losses.
5. Limitations on single open impeller solids handling pump to operate at discharge pressures.
6. Potential need for increased capacity to meet buildout service requirements.
7. The existing facility is in poor condition.

Staff evaluated options for replacing the existing pumps with new pumps, but this would not meet future operational capacity, does not correct the operational issues and bypassing the facility during construction would be challenging and expensive.

Staff have assembled a Request for Proposals to construct a new Sewer Lift Station at Huckleberry along with flooding protection. This is a departure from the previous plan of installing larger pumps, new electrical and a new generator that was originally contemplated.

Scope of work includes installing a new wet well with two low flow pump and three high flow pumps with Variable Speed Drives (VFDs), new electrical and instrumentation inside of new electrical building, new larger backup generator,

Agenda Item

DATE: March 6, 2024

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

FROM: Juan Maya, Associate Engineer

RE: Reeds Turnpike Pump Station

SUMMARY

The Copperopolis Water Booster Pump Station along with storage and conveyance pipelines supplies potable water and fire water for the historic district of Copperopolis and the recent development of Copper Valley Town Square. The existing pump station on Reeds Turnpike operates at 100-gpm but does not have sufficient firm pumping capacity or redundancy to reliably serve existing and continued development of Town Square and must be upgraded to supply these water demands. The offsite facilities agreement for Town Square agreed to a firm capacity of 200-gpm. The new pump station is proposed to be located in close proximity to the existing pump station on Reeds Turnpike.

The pump station on Reeds Turnpike pulls water through a 6-inch pipeline crossing between Cheyenne Ct. and Reeds Turnpike on APN 054-006-006. The pressure in this pipeline is relatively low at Reeds Turnpike under dynamic conditions and new larger pumps could be starved under high flow rates. The selection of pumps with low net positive suction head (NPSH) requirement and variable frequency drives (VFD's) will help minimize and control potential damaging cavitation conditions.

Calaveras County Water District (District) has existing pump stations in West Point and Valley Spring, CA that are to be emulated in the design and construction of this new pump station to serve Copperopolis, CA.

District staff and Copper Valley Development's (Developer) engineer consultant, Wever Ghio and Associates (WGA), have met virtually and on-site to go over the design, location, and specifications of the new booster pump station. The District has provided guidelines for the design of the booster pump station to WGA who is currently working on the design.

FINANCIAL CONSIDERATIONS

The District is not financially responsible for this project. The developer is solely financially responsible since the booster pump station upgrade is needed as part of the Copper Valley Town Square development.

Agenda Item

DATE: March 6, 2024

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

FROM: Jared Gravette, Senior Construction/Inspection Supervisor

RE: Copper Cove Lift Station 6&8 Replacement

SUMMARY

Due to supply chain constraints the electrical equipment for lift stations 6&8 Replacement project has been pushed out extending the contract schedule through the summer months. These lift stations are located at the intersection of Bret Harte Dr and Jimmy Way and Bret Harte Dr and Sunrise in the Poker Flat Subdivision, a vacation community that experiences an influx of residents during the summer.

Construction will consist of daily traffic control and staging of large equipment and materials within the public right of way. During the working hours of 7:00am-5:30pm residents in the construction areas will experience single lane closures and possible wait times. Temporary sewer bypass systems will be installed to allow the existing pump stations to be replaced and will be in operation 24 hours a day for the duration of each lift station's replacement. Mozingo crews will need continued access for the operation and monitoring of these bypass systems. Lift Station 6 construction is scheduled to start 4/22/2024 ending 7/26/2024 and Lift Station 8 starting 7/22/2024, Ending 10/15/2024.

A meeting was held with the Poker Flat HOA representative, Mozingo Construction and CCWD staff to discuss concerns the Poker Flat HOA has with construction taking place during the summer months. Construction plan was reviewed and will be presented to the Poker Flat HOA Board at the next meeting. District Staff is planning to attend the Poker Flat Board meeting March 16,2024 at 9:00am to further discuss the project impacts on the community.

Agenda Item

DATE: March 6, 2023

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

FROM: Engineering Department

RE: Capital Improvement Project Updates

AMI / AMR Project (CIP 11096)

Mueller Systems is complete, and all meter locations have been revisited and checked. Received the final invoice. Pending Board Approval 2/28.

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

Bid opening was held 2/8- apparent the low bidder was D.A. Woods at \$9,309,458 base bid and \$1,440,870 for the additive. Coleman Engineering to provide Engineering Services during construction. District staff will be providing inspection and constructions management.

West Point Water Supply Reliability Improvements (CIP 11106)

Contractor waiting for TESCO to provide and install new PH Probe due to improper functioning. Staff is working to finalize the closeout documents with the Funding Agency, Project is substantially complete the Water Board is schedule to make a visit prior to placing equipment online. A meeting was held with KW Emerson February 13 to discuss fire damage resulting from tank demolition, KW Emerson and Metal Building Subcontractor will be handing the building repairs. Project is substantially complete.

West Point and Wilseyville Wastewater Consolidation Project (CIP 15091)

K.W. Emerson (KWE) completed the sludge drying beds, installation of wet well between sludge basins along with all the site piping, portions of double force mains on sprayfield property. Construction will continue through the summer of 2024 and is projected to be completed by fall of 2024.

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

Due to supply chain constraints the electrical equipment for lift stations 6 & 8 Replacement project has been pushed out extending the contract schedule through the summer months. Construction is scheduled to start at Lift Station 6 & 8 in April 2024 and continue through summer, with an end date of October 15, 2023. The purchase of the land adjacent to lift station 6 was not successful. Lift station 18 is ready for electrical equipment, which is scheduled to arrive at the end of April. District Staff is planning to attend the Poker Flat

Board meeting March 16,2024 at 9:00am to further discuss the project construction impacts on the community.

Copper Cove Wastewater Treatment Plant Tertiary Treatment Improvements and Facilities Plan (CIP 15034)

HydroScience has initiated design for the treatment plant and Dewberry has initiated the environmental studies. A project description was sent to USACE for inclusion in the preliminary environmental review. The USACE has stated that an Environmental Assessment (EA) is needed. The District is reviewing case studies for a federal agency's use of another's NEPA Categorical Exclusion (CE). An EA for this project will extend the schedule about 12 months; however, the design review by USACE is the critical path. A USACE Procurement Specialist was assigned, and the project schedule was updated with Procurement's input. The project schedule indicates that construction would start at the end of month January 2026. CCWD proposed implementing pre-treatment improvements and recoating the existing filter prior to USACE Increment No. 1 project. If agreed, CCWD proposes to combine Increments 1 & 2 for environmental documentation and engineering design to reduce the time to deliver overall project improvements.

Copper Cove Wastewater Treatment Plant – Pond 6 Dam and Effluent Storage Reservoir Enlargement Project (CIP 15112)

Project Team has determined that the treatment improvements project is separate from dam enlargement project. Funding for dam enlargement (plus pipeline relocations) is pending funding authorization from the US Congress. Pending is the need to address borrow site for compatible soil. Staff is to revive an old agreement with the original borrow site property owner. This project needs to be initiated with USACE to begin the EA process. Meeting with Wagner & Bonsignore and District is pending funding authorization.

Copper Cove Water System Improvements Project (CIP 11083C)

T&S construction has completed the excavation for the Clearwell Tank at the Water Treatment Plant. At the B-Tank Site T&S has completed the tank foundation and Crosno Tank is scheduled to be onsite in March to begin erection of the new Tank B.

Copper Cove B-C Transmission Pipeline & Pump Station (CIP 11122)

Received a Proposal from PBI for technical memorandum on relocating the line to Little John.

Ebbetts Pass Hunters Raw Water Intake Pumps (CIP 11103)

Environmental Pre-Construction Surveys will begin in March for Spotted Owls and other Nesting Birds. Staff anticipates receiving authorization from FEMA in June for the Phase 2 Construction. The first order of work will be to construct new pipeline between the Dam and Water Treatment Plant.

Ebbetts Pass Redwood Tanks Hardening (CIP 11095)

This Project is completed, and closeout documentation has been submitted to FEMA. We are waiting for the award of the additional \$990,000 in grant funds from FEMA to fully fund this Project.

Forest Meadows Wastewater Plant / UV System Replacement (CIP 15106)

Work is complete and the UV System is fully functional with new backup batteries. Startup was completed by Xylem (UV Manufacture) and the channel is fully functioning along with new UPS backup power supply.

Arnold Wastewater Secondary Clarifier Improvements Project (CIP 15095)

Design is complete; Clean Water Fund grant submitted pending response. PG&E working on design for service upsize. Met with Lukas at Waterboard, District is moving ahead with the Grant Application/Environmental. Received contract back from HydroScience, need to have complete application in with Waterboard before June. Provide a project status update to Engineering Committee. Send Finance application for SRF Grant.

La Contenta Biolac, Clarifier, and UV Improvements (CIP 15097)

The Project scope was originally defined to include Huckelberry Lift Station improvements and collection system rehabilitation. The Project has been separated into three distinct projects. An RFP for the treatment plant improvements has been prepared. An additional RFP for Huckelberry LF is being prepared. Operations will work collection system improvements into their annual program.

Jenny Lind Clearwell #2 Rehabilitation (CIP 11083)

Pre-construction meeting to be in March. Start of construction to be October 2024.

Agenda Item

DATE: March 6, 2024

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

FROM: Engineering Department

RE: Other Updates

Copper Valley Town Square

Staff continue to work with CV Development Partners LLC on key issues and proposed development. These include planned redevelopment of the Copper Valley Square complex. The discussion includes requirements for off-site facility improvements including a permanent sewer force main and new lift station on Little John Road to serve Copper Valley Square (convey sewer to the wastewater plant) as well as rehabilitation of the existing lift station within Town Square. Also, the pre-existing water booster pump station serving the Copperopolis Zone has never been upgraded and is limited to 100-gpm. A new water booster pump station is needed to increase potable water delivery to Copper Town Square. These required off-site improvements are part of the original facilities agreement approved for Copper Town Square.

CCWD issued a letter on July 20, 2023 approving the “Copper Town Square Condominium Project, Preliminary Design Report for Wastewater Permanent Collection System.” A facilities agreement is to be developed to address the offsite improvements needed to serve the Project.

CCWD Engineering staff and operations staff has had internal meeting to discuss design plans submitted by Weber Ghio & Associates for Force main and Lift Station. CV and the District agreed to redesign the connection point for force main and not strain the existing gravity sewer main across the golf course in Saddle Creek Subdivision. CV will be petitioning CCWD to obtain financing through the Bond Opportunities for Land Development (BOLD) program to help finance the infrastructure.

An application for retail Building 11/12 was submitted by CV on May 2023. After asking for various clarifications, CCWD issued a concept approval on September 12, 2023. The concept review was accepted by the Developer. Further changes in the design were proposed by the developer, which may result in further review and facilities agreement will be developed.

Gold Creek Subdivision Unit 3

A new developer is negotiating with the current owner to acquire this project. No further reports at this time.

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 into a prior Letter Agreement with the School Board. The design phase is complete and under review by the State Architect. Project cannot move forward until the SRF approves a schedule extension.

North Vista Plaza / LGI Homes

LGI Homes had provided the District with three options to bypass the bottleneck in gravity sewer along the creek. After internal discussion with engineering and operations staff, decision was made to choose an option that has a localized lift station that will take flows away from existing force main in the creek area by adding a force main that bypasses the smaller gravity line and breaks head at sewer manhole along Vista Del Lago. The new proposed lift station will potentially serve the new proposed subdivision by LGI Homes, the existing subdivision on Vista Del Lago West, flows from the proposed Jenny Lind Elementary School Force main Project. There have been no further updates from LGI Homes regarding this proposed development.