



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JULY 5, 2017

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Hector Ruiz, General Manager
Michael Perea, District Secretary
Lorrie Lausten, Principal Engineer
Lisa Sangi, Administrative Assistant
Kris Hanberg, Wastewater Department Superintendent
Gary Kessler, Water Department Superintendent
Jason Stroud, Maintenance Department Superintendent
Dona Bozeman, Lead Customer Service Representative

PUBLIC PRESENT

There were no members of the public present.

CALL MEETING TO ORDER

Director Mandich called the July 5, 2017, Engineering/Operational Committee Meeting to order at 7:00 AM.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

Director Dopudja expressed his hope that everyone in attendance had a safe Independence Day Holiday.

REPORT FROM THE GENERAL MANAGER

No comments were received.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

The June 7, 2017, Engineering/Operational Committee Meeting Recap was presented to the Committee.

RECOMMENDED ACTION

The Committee approved, and recommended that the Board receive and file the June 7, 2017, Engineering/Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

Ms. Lausten provided a status update on this project for Committee review, and reported that the portion of the project that impacted the trail and an adjacent commercial property has been completed. Ms. Lausten added that the portion of the project that impacts the bridge on Dimension Drive will be completed in late July, and that the removal of the abandoned pipeline is scheduled for September. Ms. Lausten presented Amendment No. 2 to the contract with Tetra Tech (Consultant) for additional review of shop drawings as a result of the additional potholing work required due to unforeseen conditions consisting of other utilities located in areas not

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shown on their respective utility record drawings. Discussion occurred concerning the required additional work and associated costs. Ms. Lausten reported that District staff is currently reviewing the plan for the removal of the section of pipeline that crosses Serrano Creek and is in threat of imminent failure. Ms. Lausten mentioned that District staff is currently coordinating with the adjacent homeowner associations for access to the Serrano Creek pipeline crossing during this portion of the project. Discussion occurred concerning the preferred method of removal of the pipeline and current access issues; Ms. Lausten added that District staff will work with a right of way consultant to manage any access issues, if necessary. Discussion occurred concerning the planned pipeline removal plan; Ms. Lausten reported that the removal plan consists of chaining, cutting, and pulling the abandoned pipeline from its current location while meeting the environmental requirements placed on the surrounding project area. Ms. Lausten reported that Irvine Ranch Water District (IRWD) has notified District staff of their plans to relocate a segment of the pipeline within the Baker Water Treatment Plant site to facilitate the Serrano Summit utility upgrade. She added that their project will have minimal impact to the District.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 3: BAKER WATER TREATMENT FACILITY

Mr. Ruiz reported that there were no new updates on this project. Mr. Ruiz mentioned that he is scheduled to meet with City of San Clemente staff later this week to review language for the agreement for the sale of excess/unused Baker Water Treatment Plant water. Mr. Ruiz added that the City of San Clemente plans to agendize this matter for review at their August City Council Meeting.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 4: DOVE & ROBINSON RANCH RECYCLED WATER PUMP STATIONS REPLACEMENT PROJECT – PHASE 1

Ms. Lausten provided a status update on this project, and mentioned that District staff is scheduled to meet with PSOMAS later that day to review the project modeling and improvement plans.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 5: MOUNTAIN VIEW ROAD - POTABLE WATER DISTRIBUTION MAIN REPLACEMENT PROJECT (END OF MAIN SECTON)

Ms. Lausten provided a status update on this project, and reported that JES Engineering Services (Contractor) has completed the installation of half of the pipeline. Ms. Lausten reported on the project challenges, including soil composition and issues related to the condition of the existing residential services. Ms. Lausten added that all but one residential service has been relocated to their new location. Ms. Lausten presented construction photos for Committee review and highlighted some of the challenges with the existing residential services. Ms. Lausten reported that the Contractor completed the installation of a four-inch gate valve on the existing pipeline to ensure a good shut down in the event of emergency repairs during the project, and that an additional fire hydrant will be installed for the benefit of the community. Discussion occurred concerning project-related challenges; Ms. Lausten mentioned that the Contractor damaged the District's existing pipeline which caused a temporary interruption of service to customers, as well as, damaging an existing Southern California Edison direct bury electrical line which affected certain customers.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

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**ITEM 6: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING THE JANUARY 2017 WINTER STORMS
EMERGENCY REPAIRS**

Mr. Ruiz presented this matter for Committee review, and mentioned that of the initial four projects, two projects were combined into one project and another project was eliminated. Mr. Ruiz provided information related to the Robinson Ranch Wastewater Treatment Plant (WWTP) Service/Access Road Emergency Repairs and the Dove Canyon Service/Access Road Emergency Slope Repair projects and presented project-related photographs for Committee review. Discussion occurred concerning FEMA cost reimbursement; Mr. Ruiz commented that District staff will process the required documentation for reimbursement purposes as the project proceeds. Mr. Ruiz reviewed the recommended action with the Committee concerning the costs associated with the emergency repair projects.

RECOMMENDED ACTION

The Committee recommended that the Board of Directors ratify the contract with A&Y Company for the Robinson Ranch Wastewater Treatment Plant Service Road Access Emergency Repairs in the amount not to exceed \$22,150; ratify the contract with JES Engineering Services for the Dove Canyon Service/Access Road Emergency Slope Repair in the amount not to exceed \$19,784; and ratify the contract with GMU Geotechnical, Inc. for the inspection and testing of the emergency repairs in the amount not to exceed \$6,000 (Consent Calendar).

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Supervisory Control and Data Acquisition (SCADA) System – Phase 1

Ms. Lausten mentioned that District staff is currently working with TESCO on this project, and that there were no other updates to report.

2. Existing Network Infrastructure Upgrade

Mr. Perea provided a status update on this project, and mentioned that the project has been completed. Mr. Perea reviewed some of the project-related challenges, and indicated that he was working with Synoptek to finalize the Network Infrastructure upgrade documentation.

3. Tick Creek Pump Station –Slide Weir Gate

Ms. Lausten provided a status update on this project, and mentioned that the slide gate is being fabricated and will be completed by the end of July.

4. Via Allegre Wet Well Expansion Project

Ms. Lausten provided a status update on this project, and mentioned that District staff is currently working with GMU Geotechnical, Inc. (Consultant) on the geotechnical report that will be used for the design of the wet well improvement design.

5. El Toro Road Sewer Lift Station Force Main Valve Replacement

Ms. Lausten provided a status update on this project, and mentioned that District staff is currently working with GCI Construction to procure the required valve which has up to a four-month procurement lead time.

6. Other Projects

Ms. Lausten reviewed the completed Cooks Reservoir site and security fence improvements with the Committee. Ms. Lausten presented photographs of the installed security fence and access upgrades. Discussion occurred concerning landscape management and the possible future slope improvements or maintenance.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

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ITEM 8: ACTIVE DEVELOPMENTS

1. Dahlia Court Development (36 DUs | WSL)

Ms. Lausten reported there were no updates for this development.

2. Skyridge Development (84 DUs | WSL)

Ms. Lausten reported that Santa Margarita Water District (SMWD) has finished the installation and connection of the recycled water service to the development, and that District staff is planning to facilitate the switch over to the existing onsite four-inch irrigation system pipeline. Ms. Lausten mentioned that the developer is in the process of converting an existing parcel from a single-family residence to a community pool.

3. Saddle Crest Development (162 DUs | WSL)

Ms. Lausten reported that District staff met with the developer to review the proposed onsite pump station and reservoir design, along with the planned development-related service improvements onsite and on Santiago Canyon Road.

4. Saddleback Meadows (184 DUs)

Mr. Ruiz reported that he is currently working with the developer to update the 2007 Sub-Area Master Plan (SAMP) for this development.

5. Oaks at Trabuco, County of Orange (9 DUs | WSL)

Mr. Ruiz reported that District staff is currently scheduled to meet with developer to review the area that will be designated as a spraying field for the proposed onsite disposal of treated recycled water. Mr. Ruiz added that District staff was preparing to meet with the County of Orange and the developer to discuss the proposed plan.

6. Other Active Developments

There was no other active development information received.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 9: WATER SYSTEM UPDATES

Mr. Kessler presented the Water System Status Update through June, 2017, and reported on the following matters:

- Water System Department staff converted twelve (12) Dry Barrel Hydrants to Wet Barrel Hydrants.
- Water System Department staff assisted with the installation of an emergency shut off valve for the contractors working on Mountain View Road.
- Water System Department staff repaired a two-inch meter leak on Live Oak Canyon Road.

Mr. Kessler reported that Trabuco Creek Groundwater Treatment Facility (GWTF) was shut down the prior week, and that the wells produced approximately 347 acre feet for the year. Mr. Kessler reported on the repair of a back feed valve at the GWTF. Discussion occurred concerning the total well production for the year.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

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ITEM 10: WASTEWATER SYSTEM UPDATES

Mr. Hanberg presented the Wastewater System Status update through June, 2017, and reported on the following matters:

- Wastewater Department staff installed a new chlorine injector at the Dove Canyon Recycled Water Pump Station.
- Wastewater Department staff took down the West Sequencing Batch Reactor (SBR) at the Robinson Ranch Wastewater Treatment Plant to repair a plugged diffuser.
- Wastewater Department staff assisted the Maintenance Department with the replacement of an electrical test block at the Heritage Sewer Lift Station.

Mr. Hanberg presented the Monthly Recycled Water System Operations Summary Report for Committee review. Mr. Hanberg reviewed the Second Quarter Sewer System Management Plan (SSMP) Quarterly Report with the Committee, and mentioned that Wastewater Department staff completed the annual line cleaning of the District's sanitary sewer system.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 11: OTHER MATTERS/REPORTS

There were no other matters or reports received.

RECOMMENDED ACTION

The Committee received the information, no action taken.

ADJOURNMENT

Director Mandich adjourned the July 5, 2017, Engineering/Operational Committee Meeting at 7:58 AM.