



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | DECEMBER 6, 2017

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

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
Mark Gim, Engineering Support Intern

PUBLIC PRESENT

There were no members of the public present.

CALL MEETING TO ORDER

Director Mandich called the December 6, 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

No comments were received.

REPORT FROM THE GENERAL MANAGER

Ms. Lausten reported that Mr. Ruiz was not in attendance as he was on vacation for the remainder of the week. Ms. Lausten reported on her attendance at the North American Water Conference, and mentioned that she delivered a presentation on the results of the District's Water Loss Audit.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

The November 1, 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 November 1, 2017, Engineering/Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: BAKER WATER TREATMENT FACILITY

Ms. Lausten reported there was no action on this matter, and that there were no updates to provide related to Baker Water Treatment Plant (BWTP) facility testing. Director Mandich asked for an update related to the City of

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San Clemente City Council Meeting the prior night in which the agreement for the sale of excess/unused Baker water was presented for review; Ms. Lausten mentioned that she did not have an update, but the Mr. Ruiz would provide an update at the Regular Board Meeting.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 3: DOVE & ROBINSON RANCH RECYCLED WATER PUMP STATIONS REPLACEMENT PROJECT – PHASE 1

Ms. Lausten provided a status update on this project, and reported that the Phase 1 portion of the project has been completed. Ms. Lausten commented that PSOMAS has completed the DRAFT Recycled Water System Modeling Pump Station and Storage Analysis Report included for Committee review. Discussion occurred concerning the different scenarios for the location of the Recycled Water Pump Station, and the overall impacts to the recycled water system. Director Dopudja commented that this matter needed to be reviewed by the District Property Ad Hoc Committee. Discussion occurred concerning the challenges associated with the proposed locations for the recycled water pump station. Director Mandich asked if District staff had any preliminary cost estimates for the project; Ms. Lausten stated there were none at this time. Discussion occurred concerning opportunities for relocating the recycled water pump station to the District's Porter Property in order to fully utilize the Shadow Rock Detention Basin Facility. Director Mandich asked Ms. Lausten to include cost comparisons for this project when available.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 4: VIA ALLEGRE WET WELL EXPANSION PROJECT

Ms. Lausten provided a status update on this project, and reported that she had an opportunity to meet with the Wastewater Operations Department to review the challenges associated with the current gravity main pipeline to the facility. Mr. Hanberg commented on past sewer spills at the facility due to poor flowrates. Ms. Lausten reported that District staff had received the DRAFT plans for the expansion project, and provided brief highlights of the facility upgrades. Discussion occurred concerning the materials fulfillment timeline and the challenges associated with long lead items. Ms. Lausten briefly reviewed the project schedule with the Committee, and mentioned that District staff anticipates bidding the project in early January 2018.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 5: ROBINSON RANCH WASTEWATER TREATMENT PLANT SERVICE ROAD REPAIRS AND IMPROVEMENTS

Ms. Lausten provided a status update on this project, reported that action by the Committee was required on this matter. Ms. Lausten reported that District staff requested bids for this project, and indicated that District staff received three (3) construction bids. Ms. Lausten briefly reviewed the summary of submitted bids, and recommended Mission Paving and Sealing for the project. Ms. Lausten commented that District staff recommends the scheduling of a Special Board Meeting on Monday, December 11, 2017, for Board review of the project bids which upon approval would allow District staff and Mission Paving and Sealing to begin project work as early as possible to avoid wet weather. Discussion occurred concerning adding a seal coat to the road in the future for maintenance. Ms. Lausten added that District staff originally planned to provide construction management internally, but determined that assistance with daily inspections and testing would be beneficial to the overall project. Ms. Lausten reported that District staff recommends increasing the original project budget of \$305,000 to a not to exceed budget of \$325,000 to allow for contracted assistance with construction

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management and inspection services, and recommend contracting with GMU Geotechnical for construction management services.

RECOMMENDED ACTION

The Committee received the status update, and made the following recommendations to the Board of Directors:

1. Recommend the Board of Directors authorize the General Manager to execute a construction contract with Mission Paving and Sealing, Inc. for the Robinson Ranch Wastewater Treatment Plant Road Repairs and Improvement Project for a not to exceed amount of \$283,385.40 (Action Calendar).
2. Recommend the Board of Directors authorize the General Manager to execute an Agreement for Geotechnical Services and Construction Management with GMU Geotechnical, Inc. for the Robinson Ranch Wastewater Treatment Plant Road Repairs and Improvement Project for a not to exceed amount of \$40,000.00 (Action Calendar).

ITEM 6: GOREN WASTEWATER TREATMENT PLANT PERMIT MODIFICATIONS

Ms. Lausten provided a status update on this project, and stated this project is currently on schedule. Mr. Hanberg reported that he is currently working with the Developer to test the onsite facility tanks and backup power generator.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 7: DIMENSION WATER TREATMENT PLANT TRUCK DELIVERY ACCESS IMPROVEMENTS

Ms. Lausten presented this project for Committee review, and reported that District staff solicited proposals from five prospective engineering design firms for this project, receiving 2 proposals in response. Ms. Lausten provided a bid summary handout for Committee review, and recommended Adams Streeter Civil Engineers for the project design based on the proposal. Discussion occurred concerning the proposed access improvements and options to the facility, and the timeline for completion; Ms. Lausten mentioned that District staff would like to finish the project prior to the City of Lake Forest's planned street improvement project in 2018. Ms. Lausten commented that District staff will coordinate this project with the planned Dimension Water Treatment Plant Valve Replacement Project, which will be presented for Board review at the December 11, 2017, Special Board Meeting.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 8: OTHER ENGINEERING AND OPERATIONS PROJECTS

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

Ms. Lausten provided a status update on this project, and reported that the SCADA Report is scheduled to be delivered to District staff by the end of the week.

2. Activated Sludge System, Aeration Headers Replacement Project

Mr. Hanberg provided a status update on this project, and reported that the existing aeration system has been exposed for inspection and replacement. Mr. Hanberg reported that he is currently working with Mr. Gim to prepare plans of the planned system improvements for future reference purposes.

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3. Other Projects

Ms. Lausten stated there were no other projects.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 9: SADDLE CREST DEVELOPMENT (65 DUs| WSL)

Ms. Lausten provided a status update on this development, and reported that District staff was currently reviewing the onsite reservoir plans and specifications. Ms. Lausten mentioned that the DRAFT onsite pump station plans are scheduled to be delivered by the end of the week.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 10: DAHLIA COURT DEVELOPMENT (36 UNIT TRIPLEX BUILDING DESIGN)

Ms. Lausten provided a status update on this development, and reported that ten (10) water meters were relocated due to onsite construction conflicts. Ms. Lausten added that the relocation of the water meters requires revisions to previously accepted easements as depicted on the approved tract map. Ms. Lausten reported that the developer installed ornamental pavement which was not indicated in the original plans over the District's utilities, and as such, the revised easements shall make the District responsible for asphalt or concrete repair only in the event of any future repairs.

RECOMMENDED ACTION

The Committee approved, and made the following recommendations to the Board of Directors:

1. Recommend that the Board of Directors receive the Grant of Easement to the Trabuco Canyon Water District by William Lyon Homes, for Meter Relocations, and authorize the District Secretary to execute said Grant of Easement (Action Calendar).
2. Recommend that the Board of Directors received the Grant of Easement to the Trabuco Canyon Water District by William Lyon Homes, for Limits to Surface Replacement Due to Pipeline Repair by Trabuco Canyon Water District, and authorize the District Secretary to execute said Grant of Easement (Action Calendar).

ITEM 11: ACTIVE DEVELOPMENTS

1. Saddleback Meadows (184 DUs)

There were no updates for this development.

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

There were no updates for this development.

3. Other Active Developments

There were no updates for this development.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

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ITEM 12: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for November, 2017, and provided the additional highlights:

1. Water Department staff converted a Dry Barrel Hydrant to Wet Barrel on Live Oak and Canyon Creek.
2. Water Department coordinated with District staff to paint approximately seventy (70) fire hydrants in Trabuco Highlands and Dove Canyon.
3. Water Department staff prepared for an Annual Inspection of the District's water treatment facilities by the State Water Board.

Mr. Kessler briefly reviewed the Monthly Water System Operations Summary with the Committee.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 13: WASTEWATER SYSTEM UPDATES

Mr. Hanberg reviewed the projects and repairs for November, 2017, and provided the additional highlights:

1. Wastewater Department staff removed thirty (30) ficus trees and painted the building trim and fascia at the Via Allegre Sewer Lift Station.
2. Wastewater Department staff replaced approximately forty (40) feet of fascia board and painted the trim at Plano Sewer Lift Station.
3. Wastewater Department staff prepared the Blower Building at the Robinson Ranch Wastewater Treatment Plant for the Sequencing Batch Reactor (SBR) Air Line Rehabilitation Project by cutting a three foot by two foot opening in the block wall.

Mr. Hanberg added that Wastewater Department staff cleaned the O'Neill Park Sewer Station wet well in the prior month. Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary with the Committee, and mentioned that Dove Lake free board is currently at 14.8 feet.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 14: OTHER MATTERS/REPORTS

Ms. Lausten had no other matters to report. Mr. Stroud reported that District staff has recently used the newly purchased crane truck on a few different maintenance projects, and expressed his appreciation for the purchased vehicle. Mr. Stroud added that District staff will be conducting frequent inspections on building of the recently purchased valve turning truck.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the December 6, 2017, Engineering/Operational Committee Meeting at 7:28 AM.