

MINUTES OF A MEETING OF THE
ENGINEERING/EQUIPMENT COMMITTEE
OF THE VALLECITOS WATER DISTRICT
TUESDAY, JULY 21, 2020 AT 3:00 P.M.
AT THE DISTRICT OFFICE, 201 VALLECITOS DE ORO,
SAN MARCOS, CALIFORNIA

Director Hernandez called the meeting to order at the hour of 3:00 p.m. The meeting was held via teleconference.

Present: Director Hernandez
Director Elitharp
General Manager Pruim
District Engineer Gumpel
Capital Facilities Senior Engineer Morgan
Development Services Senior Engineer Scholl
Asset Management Supervisor Bowman
Administrative Secretary Johnson

ITEM(S) FOR DISCUSSION

HIGH POINT PIPELINE CONDITION ASSESSMENT RESULTS AND RECOMMENDATIONS

Asset Management Supervisor Bowman provided a presentation, "High Point Pipeline Condition Assessment Results and Recommendations," as follows:

- Project Map
- Development Background
- Current Status
- Assessed Areas
 - 12-Inch Ductile Iron – Woodland Heights Glen
 - 8-Inch Ductile Iron – Kensington Glen
- Assessed Area Map
- Video: Condition Assessment with Pipeline Inspection and Condition Analysis Corporation (PICA) SeeSnake RFT Tool
- Corrosion Findings – 12-Inch Ductile Iron Pipe (DIP)
- Remaining Wall Thickness – 12-Inch DIP
- 8-Inch DIP Without Corrosion
- Remaining Wall Thickness – 8-Inch DIP
- Results and Recommendations

Asset Management Supervisor Bowman stated that a developer constructed water and sewer facilities for the High Point Country Manor development in 2007; however, the

developer abandoned the project. The facilities were never accepted by the District. In 2016, a new developer began the process of developing the High Point area. The District began working with the developer on conditions for acceptance of the dormant water and sewer facilities. A condition assessment to determine the wall thickness of the pipelines was necessary to determine if the existing mains can be brought back into service.

Asset Management Supervisor Bowman further stated that based on the findings of the sections of pipeline that were assessed, the engineering consultant that assisted the District with the condition assessment, Infrastructure Engineering Corporation (IEC), recommends replacement of the 12-inch Woodland Heights Glen pipe as it showed significant deterioration. The condition of the 8-inch Kensington Glen pipeline is "like new." IEC recommends inspection of the remaining Kensington Glen pipeline.

General discussion took place. Staff clarified that approximately 2,000 of the project's approximate 5,100 linear feet of 12-inch pipe was assessed. The pros and cons of alternatives to DIP were discussed. District Engineer Gumpel stated the District's standards no longer allow the use of DIP except for specific circumstances. Staff agrees with IEC's determination and does not recommend accepting the existing 12-inch pipe.

The Committee directed staff to bring this item to the Board at a future Board meeting with staff's recommendation that the District should not accept the existing 12-inch pipe.

DISTRICT WIDE SOLAR

Capital Facilities Senior Engineer Morgan stated the kick off of the project took place on July 6 at the Twin Oaks Reservoir site. Reservoir No. 1 was mobilized first. Installation of the racking has been completed, concrete ballast placements are occurring this week, and the installation of panels on top of the racking will begin as early as next week. At Reservoir No. 2, the racking is currently being installed. Concrete ballast placements and panel installation will take place in the next three weeks. The project at the Twin Oaks Reservoir site, including trenching and undergrounding of conduit and conductors, is anticipated to be completed by mid to late August. The reservoirs will be offline from SDG&E for three to four days at the completion of the project during the tie over to the switch gear improvements.

Capital Facilities Senior Engineer Morgan further stated the solar project at the Lift Station No. 1 site has been delayed due to a redesign of the panels, from south facing to west facing, and the array location to give more clearance from the panels to the back edge of pavement. The project is being submitted this week to the City of San Marcos for a site development permit. The permitting process could take three to four months. Staff anticipates all approvals will be finalized in mid-October, the project will be completed in December, and start up and energy production from both sites with SDG&E will begin in January 2021.

SEPTAGE HAULING STATION UPDATE

Development Services Senior Engineer Scholl stated staff had been waiting to hear from attorneys as to whether the District could serve other agencies with a septage hauling station. Attorneys for Encina Wastewater Authority (EWA) have opined that serving areas outside of EWA's service area would be problematic and would require amending the Revised Basic Agreement. The District could serve other EWA agencies with proper agreements in place and LAFCO approval which would help with the cost of this septage receiving service. Considering all of the costs involved, the District's cost to treat the septage would be approximately 15 to 20 cents per gallon. The current market supports only a 13 cents per gallon charge. Staff should receive a final technical memo on this project next week.

Development Services Senior Engineer Scholl further stated that he was recently contacted by Sedron Technologies, a small company looking to develop a site for a septage receiving station in the North County area. Sedron Technologies offered a few options such as partnering with the District, partnering with EWA, or the District not constructing a septage hauling station.

General discussion took place.

OTHER BUSINESS

General Manager Pruim stated development and capital projects updates will be on the agenda for the next Committee meeting. The Committee had no additional items to add to the agenda.

PUBLIC COMMENT

None.

ADJOURNMENT

There being no further business to discuss, the meeting was adjourned at the hour of 3:57 p.m.