

MINUTES OF A MEETING OF THE
ENGINEERING/EQUIPMENT COMMITTEE
OF THE VALLECITOS WATER DISTRICT
MONDAY, MAY 10, 2021 AT 3:00 P.M.
VIA TELECONFERENCE

Director Elitharp called the meeting to order at the hour of 3:00 p.m.

Present: Director Hernandez
Director Elitharp
General Manager Pruim
District Engineer Gumpel
Capital Facilities Senior Engineer Morgan
Asset Management Supervisor Bowman
GIS/CADD Technician Cosmano
GIS/CADD Technician Lopez
Executive Secretary Posvar
Administrative Secretary Johnson

ITEM(S) FOR DISCUSSION

PROPOSED CHANGE ORDER 2 FOR SAN MARCOS INTERCEPTOR PHASE 2 PROJECT

Capital Facilities Senior Engineer Morgan provided an update on the project. Staff authorized Change Order No. 1 in the amount of \$259,654 on January 14, 2021 for additional work related to the San Marcos Boulevard tunnel alignment and redesign which is less than the 5.0% contingency allocated to the project per District Ordinance No. 146. Any change order above the remaining \$55,862 contingency will require Board authorization.

Capital Facilities Senior Engineer Morgan stated that working in San Marcos Boulevard presented numerous challenges such as soil condition, night work, and traffic control issues. Poor soil condition and groundwater issues contributed to the development of a crack in the roadway backfill. The entire No. 2 eastbound traffic lane was open. A distinct change in the material that was used for a past City of San Marcos roadway widening project in San Marcos Boulevard was discovered. The contractor was unsuccessful in trying to hold up the trench wall and prevent collapse. This resulted in additional backfill, excavation, and paving.

Capital Facilities Senior Engineer Morgan further stated the amount of Change Order No. 2 for the additional services was previously estimated to be \$136,000. The total for Change Order No. 2 is now estimated to be \$88,000 which will still require Board authorization as it is over the 5.0% contingency allocated to the project. An additional change order is anticipated for concrete removal and possible manhole rehabilitation. The project is expected to be completed in July within budget.

Staff recommended Change Order No. 2 in the amount of approximately \$88,000 be presented to the Board for authorization at the May 19 Board meeting. The Committee supports staff's recommendation.

LAS POSAS WATERLINE REPLACEMENT PROJECT UPDATE

Capital Facilities Senior Engineer Morgan stated an emergency repair was made on the ductile iron pipeline in 2016. It was a difficult repair that was temporary at the time and has held up since then. A final repair is budgeted for in the Capital Improvement Program (CIP) budget which may include slip lining the portion of the pipe that is located under a large culvert in case the ductile iron pipe is in poor condition. If a break occurred that would undermine the culvert, it could cost the District hundreds of thousands of dollars to repair. Staff has already drafted a Request for Proposals for design and engineering services and invited two consultants on the District's As-Needed Consultant List for design and bid phase services. This item might be presented to the Board in June depending on the proposals received.

AN OVERVIEW OF VWD'S GEOGRAPHICAL INFORMATION SYSTEM

Asset Management Supervisor Bowman stated the Geographical Information System (GIS) is a critical component of the District's ability to understand what assets the District has and where they are located. She presented a brief presentation, Geographical Information System Overview, which included the following:

- What is GIS?
- Asset Management
- At the District
- Future Efforts
- Demonstration

GIS/CADD Technician Cosmano provided a demonstration of the Water Atlas Map which shows all facilities and appurtenances. Available associated data includes location, links to as-builts, and main break information. The Water Atlas Map is only available to District employees. He demonstrated information available in the Division Map and Meter Reading Cycles Map which are available to the public.

GIS/CADD Technician Lopez provided a demonstration of maps that are only available to District staff including the Sewer Atlas Map. The Sewer Atlas Map shows mains and associated appurtenances, manholes, and links to as-builts. He demonstrated the Vactor Cleaning Areas Map and the CCTV Area Map and associated available data.

SUNRISE ORIX DEVELOPMENT DISCUSSION

District Engineer Gumpel discussed the Sunrise Orix sewer extension, a complex development. It is located on the edge of the District's sewer service area and in multiple land use agencies' jurisdictions including the City of San Marcos, the City of Escondido and San Diego County. The District's existing 8" sewer pipeline is adequate

to service the proposed apartment complex. Staff is conditioning the project to build an 860 foot sewer to connect to the existing sewer in Barham. A project alternative would be the development could extend sewer to Escondido but remain District customers; however, Escondido has conditions which District staff does not necessarily agree with. Escondido wants cap fees for the connection, the District would want cap fees as well, and the developer does not want to pay cap fees to both. Cap fees are estimated to be \$2 million for the District; Escondido's share would be approximately \$1.2 million and the District would then be left with approximately \$800,000. Also, Escondido's sewer charges are currently not higher than the District's charges; however, they could be in the future. If that happened, the District would have to pay the difference. Then the District would be required to collect the difference. The Development is within the sewer only area of the District. Sewer only customer charges are typically collected through the County tax roll and no direct billings are issued from the District. An exchange agreement is not possible as it would require a mutually owned treatment facility.

District Engineer Gumpel discussed preliminary options discussed with the developer:

- It would not be possible to install a parallel line because of the narrow road corridor, and a bypass system would be very costly.
- 8" versus 10" line to allow potential future connection, although limited in possibility.
- Reimbursement agreement for upsizing the sewer line. Any type of agreement would need to place a cap on the District's exposure.
- If the developer is allowed to sewer into Escondido, the District could lose out on \$1.2 in cap fees and would have to sign an agreement that makes the District and its future rate payers liable for additional costs. Escondido will not assume any risk or liability.
- The developer will not agree to annexation into Escondido and the City of San Marcos is unwilling to de-annex the property.

General discussion took place regarding possible options. None of the options discussed involve the use of rate payer funds. Any funds related to new development are paid for from cap fees.

Staff will further research the option of upsizing the pipe and associated costs and will bring it back to the Committee at the June meeting.

URBAN WATER MANGEMENT PLAN

District Engineer Gumpel stated the final draft of the Urban Water Management Plan (UWMP) is available on the District's website and has been advertised. The public hearing for the UWMP will be held at the June 2, 2021 Regular Board meeting and will include a presentation from the District's consultant, HDR. He reviewed some of the significant differences between the 2015 UWMP and the 2020 UWMP including:

- There are different statutes and state regulations.
- The District's water supply outlook is significantly different.

- There are new components in the 2020 UWMP.
- Chapter 8 – Water Shortage Contingency Plan is new. The District’s drought ordinance will need to be revised accordingly to meet new statutes.
- Chapter 7 – Water Supply Reliability and Drought Risk Assessment. The Projected Normal Year Supply and Demand table will include several notes for clarification:
 - The water supply totals are provided by the San Diego County Water Authority (SDCWA) and they include anticipated conservation measures, both active and passive.
 - The water demand totals, provided by the District, do not include active or passive conservation measures. This was an area of concern in the past.
 - The water supply totals are the projected totals, not what the SDCWA actually has. This will give the District conservation goals to hit that are not based on conservation numbers.
 - Dry year and multiple dry year scenarios show increased demand and SDCWA’s ability to match that demand with available water supplies without increased conservation targets.

General Manager Pruim will announce the June 2 public hearing at the May 19 Board meeting.

OTHER BUSINESS

None.

PUBLIC COMMENT

None.

ADJOURNMENT

There being no further business to discuss, the meeting was adjourned at the hour of 4:50 p.m.