

MEMORANDUM

TO: Roxborough Water and Sanitation District
Board of Directors

FROM: TST Infrastructure, LLC
Bill Goetz

SUBJECT: Engineering Status Report

DATE: April 14, 2022

I. DEVELOPMENT PROJECTS

Berkeley Homes – Construction plans have been approved. The geotechnical report has been received and reviewed. Certain modifications to the plans will be required based on the geotechnical report. The required easements have not yet been submitted by the developer.

Valley View Church – VVC was unable to obtain easements for the pipeline alignment as originally planned. Alternative alignments have been discussed, and VVC is working to obtain easements for an alternate route. (No Change).

Sherwin Williams Store – District staff and TST have met with the developer to discuss requirements for water and sewer. Revised drawings have not been received.

Titan Road Vehicle Storage – The developer requested clarification of easement requirements and the requested information has been provided. (No Change)

II. WATER TREATMENT PLANT OVERFLOW POND (PHASE 2)

Design is complete and a price for the Phase 2 work has been requested from Moltz Construction.

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III. RAMPART WATER LINE REPLACEMENT

Review of most of the required submittals has been completed. The valve supplier for the project has been changed and delivery of valves is no longer expected to impact the construction schedule. The contractor now advises that pipe delivery is expected on or about June 20.

IV. RAMPART PUMP STATION RELOCATION

The estimated value of the proposed easements has been determined and the District has forwarded a proposal to the landowner.

V. WTP HIGH ZONE PUMP FOR DWSD

The new pump has been installed and demolition of existing piping is in progress. Delivery of the new VFD remains an issue. A rental VFD is available and RWSD has obtained DWSD agreement to pay for the rental unit. Construction of a new office and restroom have been added to the contract.

VI. LIFT STATION PUMP 201 REPLACEMENT

The new pump has been ordered and the pump submittal has been approved. Delivery of the pump is tentatively scheduled for July. Other items including a new hoist and a harmonic filter may be preordered to reduce potential schedule impacts. The project has been advertised for bids with a bid opening date of May 5, 2022.

VII. SEWER FLOW MEASURING STATIONS

A combination of permanent and portable flow measuring devices are planned to monitor Inflow and Infiltration in the sewer system. Boring for electric lines at the permanent metering sites has been completed. Installation of metering equipment is expected to be complete in early May.

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VIII. RATE EVALUATION

The rate report has been updated based on the discussions and actions at the March board meeting. Preparation of the final report is in progress.

IX. GIS

The latest ITpipes data showing condition of existing sewer lines is being added to the GIS. A new map has been added for tracking meter replacements.

X. DISTRIBUTION SYSTEM ISOLATION VALVES

The location of existing isolation valves in Roxborough Park is under review by TST and District staff. The review is intended to identify opportunities for improved control of the distribution system.

XI. SEWER LINING PROJECT

TST and District staff have performed an initial review of available pipeline inspection data and have identified initial steps for development of the project.