

**MEMORANDUM**

TO: Roxborough Water and Sanitation District  
Board of Directors

FROM: TST Infrastructure, LLC  
Bill Goetz

SUBJECT: Engineering Status Report

DATE: May 11, 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. Relocation of existing electrical lines is required prior to construction of water and sewer lines.

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. (No Change)

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 23.

IV. RAMPART PUMP STATION RELOCATION

Discussions with the landowner regarding potential pump station locations continue.

V. WTP HIGH ZONE PUMP FOR DWSD

The new pump and piping have been installed. Delivery of the new VFD remains an issue and alternate equipment and suppliers are being considered. A rental VFD has been delivered and will be placed in service until the permanent VFD is received. Startup of the new pump is tentatively scheduled for June 6.

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 have been preordered to reduce potential schedule impacts. Bids were received on May 5, 2022, with Velocity Constructors as the low bidder. Award of a contract will be requested at the board meeting.

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 pending receipt of equipment wiring.

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VIII. RATE EVALUATION

The rate report has been completed and forwarded to district staff for review.

IX. GIS

The latest IT pipes 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

A GIS map has been prepared to show defect locations and to assist in coordination of repairs with Roxborough Park Foundation planned paving projects.