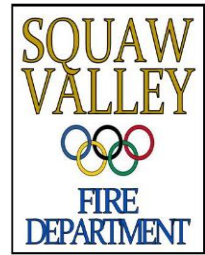




SQUAW VALLEY PUBLIC SERVICE DISTRICT



ENGINEERING REPORT

DATE: August 28, 2018
TO: District Board Members
FROM: Dave Hunt, District Engineer
SUBJECT: Engineering Report – Information Only

BACKGROUND: The following is a discussion of District Engineer activities and brief status reports regarding specific projects that are not the subject of a separate report. This report is formatted to provide new information and recent progress only.

Meetings

- SVPSD Board Meeting
- Monthly Planning Meeting - staff
- General Manager – District Engineer – weekly
- District Engineer – Operations Superintendent - weekly
- Truckee River Siphon Project Meetings – FWE, Caltrans
- SSMH Inspection Project Meeting – staff
- Zone 3 Booster Upgrade Project Meeting – staff
- Painted Rock Water Service Meeting – owner, Auerbach Engineering
- Asset Management/Vueworks Meeting – FCS Group
- Tank Inspection Meetings – several
- 1810 Asphalt Sealing and Patching – Fire Chief, Ops Superintendent
- 1810 Roof Replacement Meeting – Fire Chief, Ops Superintendent
- Highway 89 Flowmeter Meeting – TTSA, Ops Superintendent
- Squaw Valley North Dedication Meetings – Tom Archer
- Granite Chief Sewer Replacement Meeting – Adam Green
- SCADA Meeting – Sierra Controls
- SFR Inspections – several
- Competent Person Training (Excavation) - Sacramento
- New Staff Training and Project Meetings – several, Junior Engineer

Projects

- Truckee River Siphon Replacement Project
- Zone 3 Booster Pump Station Upgrade Project
- Water Tank Inspection and Recoating Projects
- PlumpJack Squaw Valley Inn – Phase 2 Well Equipping
- Resort at Squaw Creek Phase 2 Improvement Plans Review
- Granite Chief “A” Line Sewer Replacement Project
- Sanitary Sewer Manhole Inspection and Condition Assessment Project
- Water and Sewer Standard Details and Technical Specifications Update
- Various SFR and Remodel Plan Reviews

Water Tank Inspection and Recoating – Staff prepared a Request for Proposal seeking bids from qualified diving contractors to inspect and clean the West Tank, East Tank, and Zone 3 Tanks. These inspections will occur in the fall 2018. Results from the inspection will provide staff the information necessary to understand the condition of the tank coatings and develop a schedule and technical specifications for recoating, as necessary. It is anticipated that the 1.1 million gallon West Tank and the 130,000 Zone 3 Tank will require an interior and exterior recoating in 2019. These tanks have not been recoated since the original construction in 1990. The East Tank was recoated in 2002.

Zone 3 Booster Pump Station Upgrades – Staff has completed the design of upgrades to the Zone 3 Booster Pump Station. This project is being funded through the CRP and is expected to be constructed in the November 2018. Design was completed by staff, and construction will be performed by operations staff. The project includes installing new booster pumps, replacing the piping manifold, replacing instrumentation and controls, and installing a new manual transfer switch and quick connect for a trailer mounted backup power generator. The estimated cost is \$31,500.

Sewer Manhole Inspection and Condition Assessment Project – Staff is working with Farr West Engineering to complete the inspection and condition assessment of approximately one quarter of the manholes in our system, 100 sewer manholes. After completing the inspections, staff will prepare a summary report and recommended replacement/rehabilitation strategy which will be presented to the Board at the November 2018 meeting. Manhole replacement/rehabilitation is budgeted for in the CRP for fiscal years 2020-2023.

DATE PREPARED: August 17, 2018