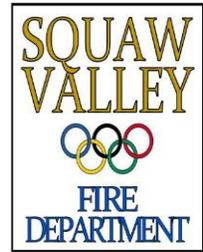




SQUAW VALLEY PUBLIC SERVICE DISTRICT



ENGINEERING REPORT

DATE: July 28, 2020
TO: District Board Members
FROM: Dave Hunt, District Engineer
SUBJECT: Engineering Report – Information Only

BACKGROUND: The discussion section below provides information from the District Engineer on current projects and the department's activities that are not the subject of a separate report. This report is prepared to provide new information and recent progress only.

DISCUSSION: Meetings

The District Engineer participated in the following meetings in the last month:

- SVPSD Board Meeting
- Finance Committee Meeting
- Monthly Planning Meeting – Staff
- Staff Meetings - Multiple
- District Engineer – General Manager Meeting – Weekly
- Junior Engineer Staff Meetings – Weekly
- Junior Engineer Workload Transition Meetings - Several
- New Employee Hire Interviews
- Consultant Projects Meeting – Farr West Engineering
- West Tank Recoating Project Meeting – Farr West Engineering
- 1810 Reroofing Project Final Inspection
- Palisades Development – Developer
- Olympic Village Inn Asset Replacements Meeting – OVI staff, Operations Staff
- Squaw Valley Academy Fire Service Leak Repair – Owner, Contractor
- 190 Smiley Court Easement Abatement Meeting – Owner, Landscaper
- VueWorks Implementation Meetings – Junior Engineer, Operations Staff
- VueWorks Training Webinar
- Tyler Trojan Transition Plan Meetings – Several
- SFR Construction Inspections - Several

New Hire – Junior Engineer

Tyler Trojan has submitted his letter of resignation and will leave the District on July 24. He is moving to Denver with his girlfriend. Tyler has been a valuable asset to the District, and we will miss his strong work ethic and fun loving personality!

We have spent the past month and a half reviewing resumes and applications for the Junior Engineer position. Three excellent candidates were interviewed, and the District extended an employment offer to Alexa Kinsinger. Alexa graduated from Colorado State in 2018 with a degree in Civil Engineering. She previously worked for Farr West Engineering as a planning and design engineer. Actually, she has worked on some of our SVPSD projects already! Her first day will be August 24. We are very excited to have her join our team.

Projects

Well 3 Emergency Rehabilitation

The District recently completed emergency repairs to Well 3. The repairs were a result of a failed pump and motor, as well as clogged perforations in the well screen. The work included rebuilding the pump with new bearings, replacing the failed motor, and rehabilitating the well by water jetting the well screen. Operations and Engineering staff coordinated this work with our hydrogeologist, Dwight Smith (McGinley & Associates) and Carson Pump, who regularly works with the District on our well rehabilitation and emergency repair projects.

Well 3 was drilled in 1958 and is a vital asset in our water supply system. The well was previously rehabilitated in 1997, 2008, and 2014. Rehabilitating a well involves cleaning the well casing with high pressure water jets or introducing chemicals down the well to dissolve incrustations. At the direction of our hydrogeologist, Carson Pump used a specially fabricated water jet attachment and pump to scour the slots in the casing and allow water to enter the well casing. The well has been planned to be replaced for many years but the District has held off on replacing the well due to other projects planned in the same area. The District preventative maintenance schedule for water supply wells includes periodic down hole television inspections of all of the wells on an 8-10 year schedule.

The total cost of the emergency repair work was \$14,980, which included \$14,350 for Carson Pump, \$360 to T-TSA for discharge fees for the well cleaning process, and \$270 in consulting fees to McGinley & Associates. The funds for this repair will come from the Water FARF. The work was performed under Section 3080.3.3 of the *Purchasing Policies, Procedures and Contracting Regulations Policy*.

1810 Fire Station and Administration Building Roof Replacement Project

- The roofs at both the buildings are complete. Staff and consultant performed a final inspection on July 22. Contractor will complete a few punch list items and then demobilize.

West Tank Recoating Project

- Staff is preparing a Preliminary Engineering Report to support an application for funding to the USDA.
- Farr West and staff are preparing preliminary design documents.
- Construction is scheduled for late summer 2021.

Engineering Department Activities – On-Going

- Residential plan reviews and inspections for new and remodel construction
- Sewer lateral pressure testing inspections
- GIS database updates and Viewworks implementation
- Water and Sewer Technical Specification Updates
- Sewer System Management Plan Update

ATTACHMENTS: None.

DATE PREPARED: July 23, 2020