



ENGINEERING

Capital Improvement Projects

Update for May 2019

CONSTRUCTION PHASE

1. Multi-Year Open Sanitary Sewer Repair Contract

The Multi-Year Open Sanitary Sewer Repair Contract was awarded to Able Construction Group, Inc. (San Jose, CA) in February 2018 for an initial two years, and extendable for three additional one-year periods at the District's sole discretion. Its purpose is to perform emergency and planned point repairs on our sewer mains and laterals. The contract amount for FY 2018-2019 is currently budgeted for \$1,300,000. Over \$940,000 has been expended and approximately 50 repairs completed in the current fiscal year.

2. University Avenue Sewer Rehabilitation Project (Blossom Hill to Hwy 85)

The University Avenue Sewer Rehabilitation Project (Blossom Hill to Hwy 85) includes the rehabilitation of approximately 9,200 lf of 15-inch to 18-inch diameter asbestos cement pipe (ACP) and vitrified clay pipe (VCP) trunk sewers in Los Gatos. The contract was awarded to SAK Construction, LLC in the amount of \$2,481,150. Construction is approximately 90% complete. The remaining contract work is scheduled to be complete by June 2019.

DESIGN AND BIDDING PHASE

1. Winchester Boulevard ACP Sewer Rehabilitation Project

The Winchester Boulevard ACP Sewer Rehabilitation includes the rehabilitation of approximately 12,500 lf of 16-inch to 17-inch diameter asbestos cement pipe (ACP) and vitrified clay pipe (VCP) trunk sewers in Los Gatos and Campbell. Design of the project was awarded to Brown and Caldwell (Walnut Creek, CA) with completion of the design expected in November of 2019. Advertisement and award of a construction contract is expected to occur in the February 2020.

2. Quito Basin 3 & 4 Sanitary Sewer Rehabilitation Project

The Quito Basin 3 & 4 Sanitary Sewer Rehabilitation Project includes the rehabilitation of approximately 8,700 lineal feet of existing 6 to 10-inch vitrified

clay pipe (VCP) sewers in Saratoga. Design of the project was awarded to Brown and Caldwell (Walnut Creek, CA) with completion of the design and environmental clearance expected in the Summer of 2020. Advertisement and award of a construction contract is expected to occur in Fall 2020.

3. University Avenue Sanitary Sewer Replacement Project (Elm Street to Blossom Hill Road)

The University Avenue Sanitary Sewer Replacement Project include the replacement or rehabilitation of approximately 5,900 lineal feet of 6 to 12-inch vitrified clay pipe (VCP) sewers along University Ave in Los Gatos. Design of the project was awarded to Brown and Caldwell (Walnut Creek, CA) with completion of the design expected in Spring 2021.

STUDIES

1. Infiltration and Inflow (I & I) Reduction Plan

The District is continuing its efforts to reduce inflow and infiltration (I & I) into the sanitary sewer system. Typical I & I sources may include illegal storm water collection systems (area drains, roof gutter leaders, basement sump pumps), and defective sewer laterals/mains or manholes. The elimination of excessive I&I has many significant benefits including reduced wastewater treatment costs, reduction of capital project expenditures as a result of unnecessary system enlargement, and reduction of sanitary sewer overflows. V&A Engineering Services (Oakland, CA), is assisting with the identification of areas with high I&I. Flow metering of sewer flows during the past three wet seasons has been performed through-out the system to help pinpoint the sources of I & I. Through smoke testing several defective sewer lateral clean-outs were identified and repaired.

2. Santa Rosa Area Sewer Realignment

The existing sewer system in the area of Santa Rosa Drive and Madera Court are located in backyard easement areas along moderate to steep hillsides. The District's ability to properly maintain and repair the sewer system in this area is severely hampered due to limited and hazardous access. Since its initial installation this system has required numerous repairs due to damage caused by ground movement and erosion. This study will evaluate the feasibility of relocating the sewers to a more stable and accessible corridor within the existing public streets.