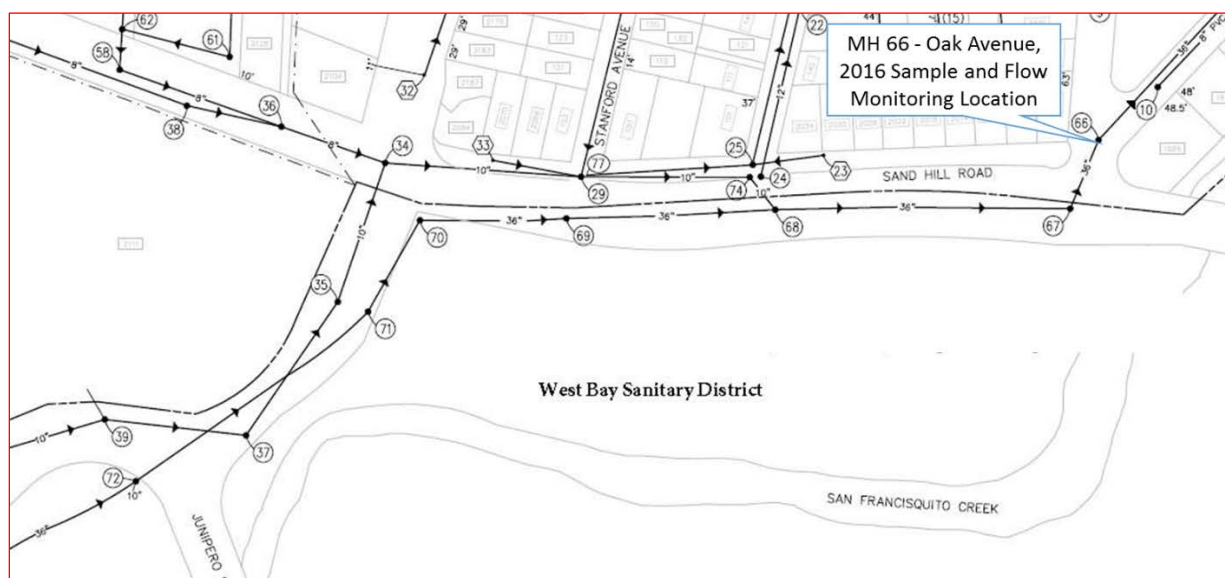


## **Water Quality Data Notes and Explanation**

West Bay Sanitary District (WBSD) collected water quality (WQ) samples in March, April, and July of 2016 for the purposes of characterizing the influent for the proposed Sharon Heights Recycled Water Treatment Plant. We've uploaded the WQ lab results to the FTP site, as well as a summary spreadsheet of the results.

### **March/April 2016 Sampling**

Daily 24-hour composite water samples were collected from WBSD's service line at Oak Avenue in Menlo Park, from March 29 through April 12, 2016. A total of 13 composite samples were collected during this time period. This sampling location is downstream from the discharge point of the SLAC National Accelerator Laboratory (SLAC), and receives discharges both from SLAC and residential and commercial properties in the service area. The figure below shows the Oak Avenue sampling location within the WBSD service area.



### **July 2016 Sampling**

Due to unexpectedly high ammonia results from the March/April sampling event, additional daily 24-hour composite water samples were collected from WBSD's service line July 16 through July 29, 2016. During each of these dates, samples were collected from three locations upstream from Oak Avenue:

- Sample Site G13220 containing Sand Hill flows
- Sample Site G13104 containing Middle/Olive flows
- Sample Site G13223 containing Combined Sand Hill and Middle/Olive flows

The Sand Hill sampling location should share similar wastewater characteristics to those found at Oak Avenue from the March/April samples. The other two sampling locations were used to inform the District of downstream wastewater characteristics for a potential future project intended to bring additional flows to the RWTP. Should such a project be implemented, it is envisioned that approximately 0.2 mgd ADWF would be pumped back to the Sand Hill Road pump station from the vicinity of site G13223 (combined Sand Hill and Middle/Olive flows). It should be noted that flows from the Sand Hill Road sewer intended to be diverted via the current Sharon Heights project are a component of the flows sampled at this site.

The figure below is a map of the WBSD service area provided by John Simonetti (WBSD). It shows the locations of these three July sampling sites as well as their tributaries.

