



Application Number: PL2021297
Application Type: Engineering Plan Review
Application Name: NAPA VALLEY 5TH PLAT- SANITARY

Engineering Review Comments

1. Please remove the blue radius circles from the general layout sheet and other sheets in the plan set. It is not clear what they represent, and are distracting. **Removed.**
2. Sanitary sewer line A is a dead end, and the City has new standards for slope towards the end of these lines. Please see the Design and Construction Manual for specific slope requirements. It is based on the number of upstream lots at a given point. In general, 1 to 14 connections require a minimum slope of 1.00%, and 15 to 30 connections require 0.80%, while 31 or more connections requires a minimum slope of 0.60%. **Revised.**
3. Please label the existing manhole connection point as #60-160. **Revised.**
4. Sheet C.403: Storm line is too close to the sanitary sewer line. A minimum separation of 18 inches is required, unless structural support is provided between the bottom of the storm line and the top of the sanitary sewer line. It would appear the simplest solution is to raise the storm line. **Revised.**
5. C.404: Trenching and backfill detail shows 6 inches of aggregate on top of the pipe. Standards have changed, and this should be shown as 12 inches rather than 6 inches. **Updated.**
6. Connection point shows an 8 inch sanitary sewer below the crown of the existing 18 inch sanitary sewer line. Please see Design and Construction Manual for specific information regarding the incoming flowline in relation to larger pipe diameter connections. When a smaller sewer joins a large one, the invert of the larger sewer should be lowered sufficiently to maintain the same energy gradient. An approximate method for accomplishing this is to place the 0.8 depth point of both sewers at the same elevation. **Revised.**

Feel free to contact me should you have any additional questions regarding this project.

Thank You,

Matt Schlicht