



Application Number: PL2020375  
Application Type: Engineering Plan Review  
Application Name: The Ridge at Winterset Summit - Water Line

Please note our comment responses in bold below.

**Engineering Review:**

1. The City does not desire the water main to be extended all the way around the cul-de-sac as shown. Lot 1604 has access to the public water main across the street, and not across the cul-de-sac. Please revise. **Revised.**
2. As drawn, it appears bends will be required to manage the excessive bends in the vertical axis. Only 1 degree of deflection is allowed within the fitting itself, with zero deflection within the pipe. This equates to an approximate 1200 foot radius of bend minimum, based on a 20 foot stick of pipe. Please review and revise the plans as appropriate. It would appear that with variable depth of bury, the water main might be able to be installed without vertical bends. **Revised.**
3. Where pipe is to be installed in fill, please show on the profile view in graphical format how fill will be installed prior to trenching and installation. This is a new requirement for all pipes, whether water main, sanitary sewer, or storm lines. **Added.**
4. A trenching and backfill detail is missing. Please be aware that the aggregate requirements on the top of the pipe have changed to 12 inches rather than 6 inches. **Added.**

Please contact me directly with any questions or concerns.

Sincerely,

Matthew Schlicht