
PUBLIC WORKS ENGINEERING DIVISION

Date: Friday, July 08, 2016

To:

THHINC MCCLURE ENGINEERING CO

Ryan Fuller, P.E.

Email: rfuller@mecresults.com

Fax #: (573) 814-1128

From: Gene Williams, P.E.

Senior Staff Engineer

Application Number: PL2016122

Application Type: Engineering Plan Review

Application Name: Summit Orchard Water Line

The Public Works Department received plans for this project on June 16, 2016. We have completed our review and offer the following comments:

Engineering Review

1. There appear to be extra water mains shown on the plans along Chipman Rd. (e.g., Sheet C304). Are these water lines abandoned?
2. Please delete the air release valves from the plans. The City requires air release valves only on water lines 12" in diameter and greater.
3. Please remove the air release assembly from the details section of the plans.
4. Sheet C003: Please call out the property line along Ward Rd. As shown, it would appear at first glance that an additional water line is being proposed along Ward Rd. Also, please show the loop connection along Chipman Rd. a bit clearer, perhaps with a label. With all the information on this corridor, it is difficult to determine at first glance what is being proposed along Chipman Rd.
5. Please change "Donavan" to "Donovan".
6. Please be aware that a traffic control permit will be required prior to the start of work within the Chipman Rd. right of way.

In order to calculate the Public Works' Engineering Plan Review and Inspection Fee, a sealed Engineer's Opinion of Probable Construction Costs shall accompany your final submittal copies. The itemized estimate (material and installation) shall be sufficiently broken down and shall include the following items, as applicable.

- Public infrastructure, both onsite and offsite.
- Private street construction, including parking lots and driveways.
- Sidewalks located within the right-of-way.
- ADA accessible ramps.
- Sanitary sewer manholes and piping between manholes, including private mains.
- Connection of the building sanitary sewer stub to the public main.
- Waterlines larger than 2 inches in diameter, valves, hydrants, and backflow preventer with vault, if outside the building.
- Stormwater piping greater than 6 inches in diameter, structures, and detention / retention facilities - public or private.
- Water quality features installed to meet the 40-hour extended duration detention requirements.
- Grading for detention / retention ponds.
- Grading to establish proper site drainage.
- Utility infrastructure adjustments to finished grade (i.e. manhole lids, water valves, etc.).
- Erosion and sediment control devices required for construction.
- Re-vegetation and other post-construction erosion and sediment control activities.

Electronic Plans for Re-submittal

- Engineered Civil Plans – All engineered civil plans shall be provided in Tagged Image Format File (TIFF) group 4 compression. All sheets shall be individually saved and titled with the sheet title.

It is requested that each plan sheet be a maximum of 2MB.

Please contact Staff with any questions or concerns you may have.

If you have any questions or comments, please contact me, Gene Williams either at (816) 969-1812 or e-mail to Gene.Williams@cityofls.net.

Sincerely,

Original Signed

Gene Williams, P.E.
Senior Staff Engineer

cc: Development Engineering Project File