

Main Street Sanitary Sewer Improvements

Fact Sheet

May 2016

NUMBERS AT A GLANCE

260 feet

Total length of 24" sanitary sewer gravity main proposed to be installed with this project.

3

Total number of new manholes required to reconfigure the sanitary gravity main removing the existing siphon.

2017

ODOT is planning to replace the existing Main Street Bridge during the 2017 construction season.

\$84,961.25

Budgeted amount set aside by ODOT for this project and other related expenses. Final construction costs are expected to be below this figure.

The Ohio Department of Transportation (ODOT) has scheduled the replacement of the Main Street Bridge which extends over Mill Creek. The construction is expected to occur in 2017.

Due to a conflict with the proposed piers associated with the bridge work, the City of Marysville will be replacing an existing sanitary sewer siphon that flows under Mill Creek with a conventional gravity sewer along the south side of Mill Creek (adjacent to the Heritage Cooperative Grain Silos).

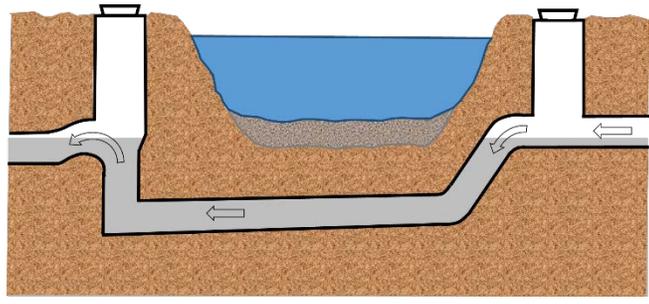
Typical Sanitary Sewer Systems:

Sanitary sewer systems are made up of a network of pipes, manholes, lift stations, and connections for transporting domestic and industrial sanitary flows to wastewater treatment facilities.

Flow through gradually sloping gravity sewers is the most desirable means of moving sewage since it does not require pumping. In some instances, sanitary sewer mains will encounter obstructions in the terrain such as a river or valley. One method to pass these obstructions is to install a sanitary siphon.

What is a Sanitary Siphon?

Unlike a gravity sewer pipe, a siphon pipe flows under pressure. Siphons are typically used under rivers or creeks. These pipes are always full of wastewater under pressure, even though there may be little or no flow. Sanitary siphons should be flushed frequently and inspected to make sure that obstructions within the pipes are removed. This leads to higher maintenance costs for the City.



Project Location:

The proposed sanitary sewer construction alignment begins at an existing manhole along the east side of Main Street. The sanitary sewer then flows east along the northern edge of the existing Heritage Cooperative property, and connects to an existing sanitary sewer in the northeast corner of the property.

