



Sanitary Sewer System Upgrades

Investing in the Future of Our Community

Spring Lake Village is upgrading its sanitary sewer system to replace aging pipes and optimize the system. These are vital repairs for the Village as we continue to make our community a wonderful place to live, work, play and learn.

Sanitary & Storm Sewer System Asset Management Planning

For the past three years, the Village of Spring Lake has been conducting a detailed evaluation of the sanitary and storm water sewer systems through the Storm water, Asset Management and Wastewater (SAW) grant program. The primary goal of the evaluation was the development of a comprehensive Asset Management Plan (AMP). As part of the AMP, Level of Service goals were established to assist with development of system operations and maintenance (O&M) activities and a long term Capital Improvement Program. Rating systems were also developed to assess system components based

on their Criticality of Failure and Probability of Failure impacting operation and reliability of the systems and their current condition.

The evaluation project was completed on December 31, 2019. The results helped to identify and prioritize the top 20 projects required for optimal O&M of the system. Those projects are estimated to cost approximately \$10,000,000. Sewage rates will be adjusted to cover the costs of these improvements.

The Details

Sanitary Sewer Collection System

2019 Improvements

South Lake Street lift station	\$85,000
West Savidge lift station upgrades	\$285,000
Refurbish emergency generators	\$60,000
Exchange St., Cutler St., N. Lake St. Sanitary Sewer Slip Lining Repairs	\$29,900
Force Main	\$60,000

Sanitary Sewer Collection System

2020 Proposed Improvements

South Lake Street lift station	\$380,000
Fall Street lift station	\$40,000
Lift Station Generator Upgrades	\$5,000



Water System Upgrades

Lead Service Line Replacement

Michigan's new lead and copper rule for water lines will institute sweeping changes for communities across Michigan. Here's what you need to know:

Inventory estimate of lead service lines (LSL) commenced in 2019

EGLE requires a minimum of 5% of all LSL must be replaced each year

The mandate requires the Village to replace both public and privately-owned portions of the LSL

The Village has estimated 300+/- LSL, which will cost approximately \$7,500 each to replace for a total cost of \$112,500 per year for 20 years

Our goal is to replace the LSL as part of a larger infrastructure project, which could potentially reduce the individual cost of each service line.

Funding source: Water rates

The cost will be reflected on your water bill as WTR Lead Line Replacement.

Water Distribution Improvements

Our 4-inch and 6-inch cast iron water mains were put in place prior to the 1950's and do not meet current reliability standards or flow requirements. Improvements to the system commenced in 2019 and will continue for at least the next ten years.

North Ottawa Water System
Reliability Study: \$113,100

Spring Lake Village's share of the cost of the water reliability study is \$9,200

Replace 5 fire hydrants per year at a cost of \$4,000 per hydrant

Replace water lines approximately \$4 million

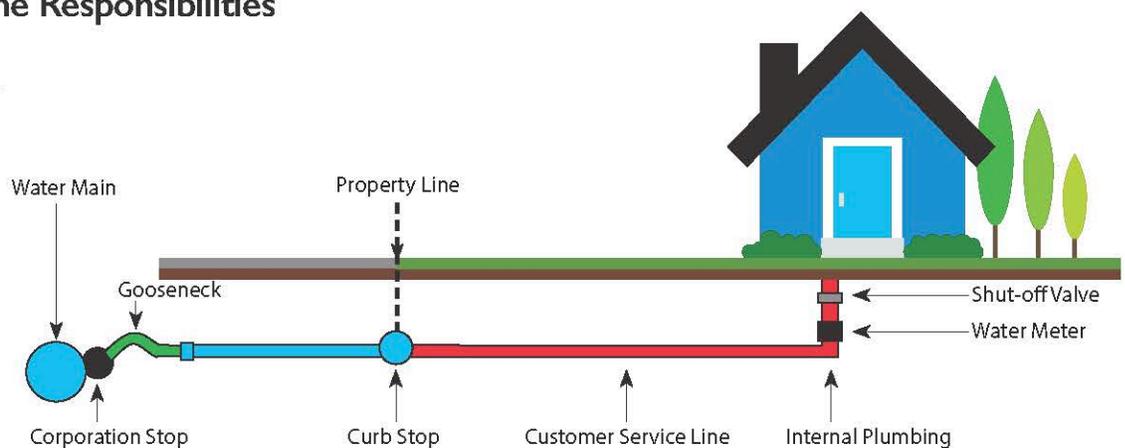
Lead service line replacement: \$112,500 per year for 20 years

Projects started: 2019

Funding source: Water rates this cost will be listed on your water bill as Water System Debt.

Water Service Line Responsibilities

- SLV is responsible for the water main and service line to the property. Lead lines require SLV SLV responsibility from water main to private internal plumbing.
- Gooseneck
- Customers are responsible for the portion of the service line on their property, internal plumbing and fixture. Customers have no responsibility if service line is lead.



Questions: Contact Chris Burns, Spring Lake Village Manager, (616) 842-1393