

CALENDAR YEAR 2026 COMMUNITY INVESTMENT PROGRAM

Project Name:	Water Main Replacement – Bluff, Milton & Grove	Project Type:	Water Main
Department:	Water Distribution	Project Manager:	Public Works Director
Cost:	\$1,100,000	Account(s):	200-300-290-80505
Funding Source:	Water Alternate Bonds	Fund(s):	Water
Strategic Goal:	Reliable Infrastructure		

PROJECT SUMMARY

Asset Description:

The Calendar Year 2026 water main improvements include the replacement of approximately 1,850 linear feet (LF) of a six-inch water main along Grove Street, Bluff Street and Milton Avenue. This water main, installed in the 1940s, now more than 80 years old, far exceeds the typical 50 – 75 year service life of cast iron water mains. It has experienced multiple breaks over the last decade. In addition to its age and condition, portions of the existing main servicing these homes along Bluff and Grove Streets are installed along the backyard property lines, making emergency access and repairs very difficult and disruptive. The planned replacement of these rear yard water mains will place the new mains within the Village’s right-of-way, improving accessibility for future maintenance. Additionally, portions of Milton Avenue are serviced by both a four-inch and six-inch watermain and the redundant watermain will be eliminated with the new design.



Replacement Recommendation:

In 2016, Strand Associates completed a Water Distribution System Study that identified segments of water main for replacement based on analysis of the existing distribution system under peak demand, water main break data and input from Water Distribution division staff. In 2024, this project was part of a larger scope of work designed in advance to allow for bidding at the start of each year, ensuring optimal bid pricing. An engineer’s estimate of probable cost was developed with the 30% design plans and has been incorporated into the budget for Calendar Year 2026 with an adjustment for inflation.

Strategic Plan:

The Water Main Replacement Project is an action item directly related to the strategic goal of Reliable Infrastructure Replacement through the investment into the Village’s water distribution services.

- Segment:** Grove from Dundee to Milton, Milton from Grove to Bluff, Bluff from Dundee to Lincoln
- Replacement of:** 1,850 LF of six-inch Water Main
- Expected useful life:** 40 years





Legend

- Improvement Area
- X
Existing Main to be Eliminated