



Water System Improvements

May 7, 2018

History

- ▶ 2015, Town received a Drinking Water Planning Grant
 - ▶ Objectives
 - ▶ To complete mapping and modeling of the water system
 - ▶ To develop summary report and recommendations for improvements
 - ▶ Fire Flow
 - ▶ Resilience
 - ▶ Water quality
 - ▶ Ability to operate during and after a large storm event



Water System

- ▶ 3,000 citizens
- ▶ 1,600 connections
- ▶ 27 Miles of water mains
- ▶ 4 wells, 2 treatment facilities
 - ▶ 2 located within the flood zone
- ▶ 2 towers



Report Recommendations

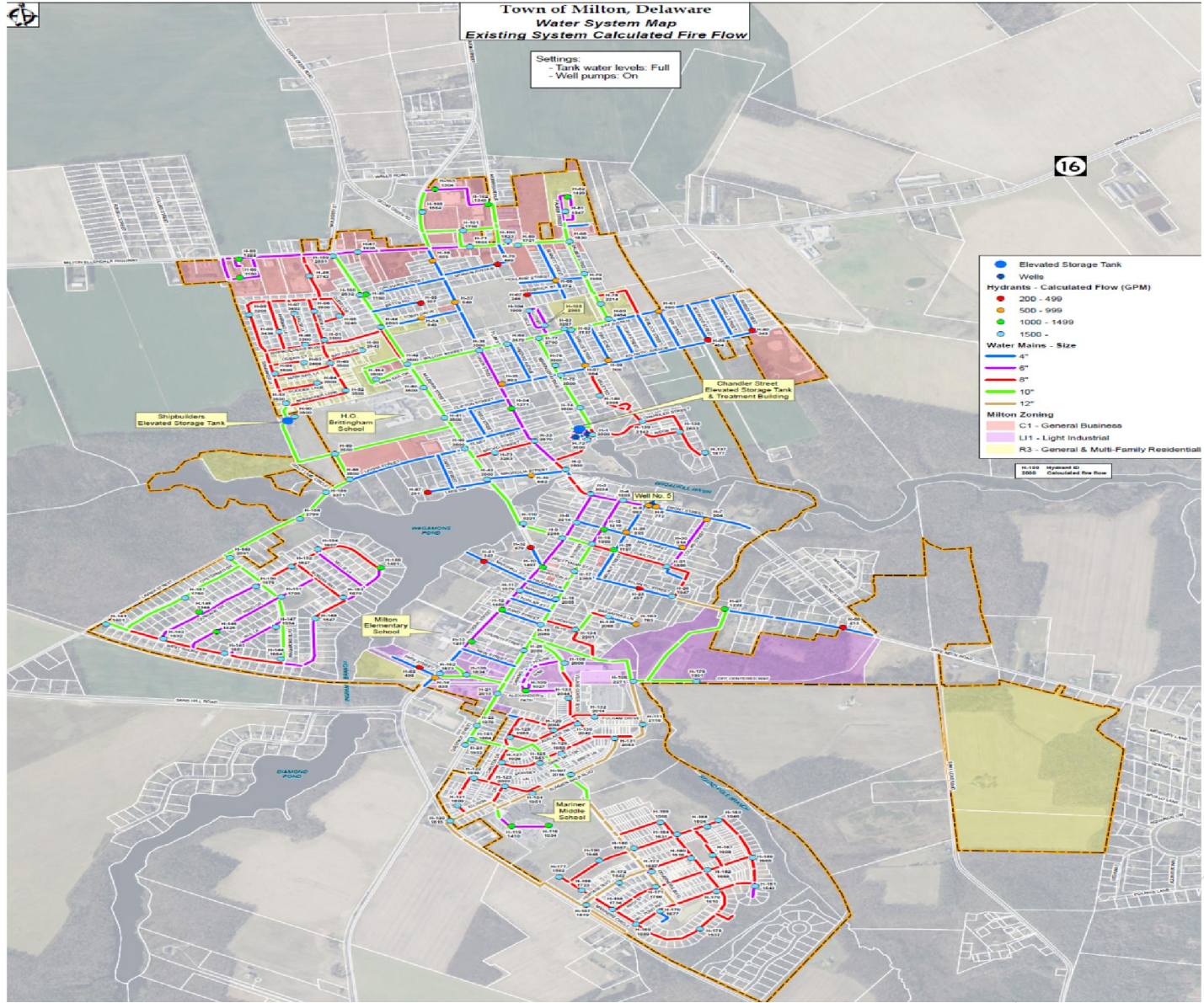
- ▶ Install Wagamons Water Main Extension (Loop)
- ▶ Install New Well and Treatment Facility
- ▶ Build New Storage Facility
- ▶ Replace failing water mains
 - ▶ Atlantic Avenue/Bay Avenue
 - ▶ Chestnut Street
 - ▶ Route 16, Atlantic Street, Orchard/Union Streets
- ▶ Improve low flow hydrants



Water Model

- ▶ Calibrated computer system
 - ▶ All mains, hydrants, service lines, wells, and towers
- ▶ Scenarios are run to determine water system operations
- ▶ Calculates pressures and flow





Fiscal Year 2018 projects

- ▶ Wagamons Water Main Extension & Shipbuilders Well and Treatment Facility
 - ▶ Affordability, projects were placed in a 5 -7 Year capital improvements schedule
 - ▶ Priority projects with the greatest impact to the water system



Projects within the 5-7 year Capital Improvement Plan

- ▶ Build New Storage Facility
- ▶ Replace failing water mains
 - ▶ Atlantic Avenue/Bay Avenue
 - ▶ Chestnut Street
 - ▶ Route 16, Atlantic Street, Orchard/Union Streets
- ▶ Improve low flow hydrants



Wagamons Water Main Extension

- Improve system resiliency and fire flow
- Improves water quality through looping the water system
- 1,623feet of 10inch water main
- Extending from Federal Street to Wagamons West Shore



Shipbuilders Well and Treatment Facility

- Outside the flood zone
- Improve system resiliency and fire flow
- Improve security and operational efficiency
- New production well, treatment building, and monitoring equipment



Cost Estimates and Affordability

- ▶ Wagamons Water Main Extension
 - ▶ Cost: \$395,000
 - ▶ Preliminary approval, loan at 100% of the cost estimate
- ▶ Shipbuilders Well and Treatment Facility
 - ▶ Cost: \$500,000
 - ▶ Preliminary approval, loan at 100% of the cost estimate
- ▶ Loan Approval was granted on April 18
 - ▶ 2% interest, 20-year term
 - ▶ **Approx. debt service per unit per quarter fee = \$8.50 (\$2.75 per month = \$.093 cents per day)**



Town Charter Section 33

- ▶ Resolution to schedule a public hearing on the borrowing of \$895,000
 - ▶ Public Hearing
- ▶ Resolution to schedule the referendum
 - ▶ Referendum must occur between 30 and 60 days from the public hearing

Every non-resident property owner owning property within the Town of Milton, including those who have placed their property in a revocable trust, shall have one vote.

Every partnership or corporation owning property within the Town of Milton shall have one vote. Notwithstanding how many properties are owned by a single non-resident property owner, partnership or corporation, only one vote will be allowed for each such non-resident property owner, partnership or corporation.

Every person, who shall have attained the age of 18 years on the date of the special referendum and who shall be a citizen of the United States and a bona fide primary legal resident of the Town shall have one vote.

*Under no circumstances shall a single eligible person or entity be allowed to enter more than one vote, even if such person or entity shall qualify to vote under more than one of the applicable criteria. The said votes may be cast either in person or by absentee ballot.



Schedule

- ▶ Resolution to schedule a public hearing on the borrowing of \$895,000, was approved on **May 7, 2018**
- ▶ Public Hearing is scheduled to occur on **June 4, 2018**
- ▶ Resolution to schedule the referendum will be presented to Town Council on **June 4, 2018**
- ▶ Referendum must occur between 30 and 60 days from the public hearing is proposed to take place on **July 21, 2018**



Information Sessions

- ▶ Thursday, May 10, 4:00pm
 - ▶ Tuesday, May 15, 10:30am
 - ▶ Monday, May 21, 6:00pm
 - ▶ Saturday, June 2, 11:00am
- ▶ All sessions will take place at the MILTON LIBRARY



FAQs



Questions



Contact

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