Neighborhood Improvements Project Water Transmission Main

Replacement – Neighborhood Looping - Town

> New Castle, NH January 14, 2021



Introductions



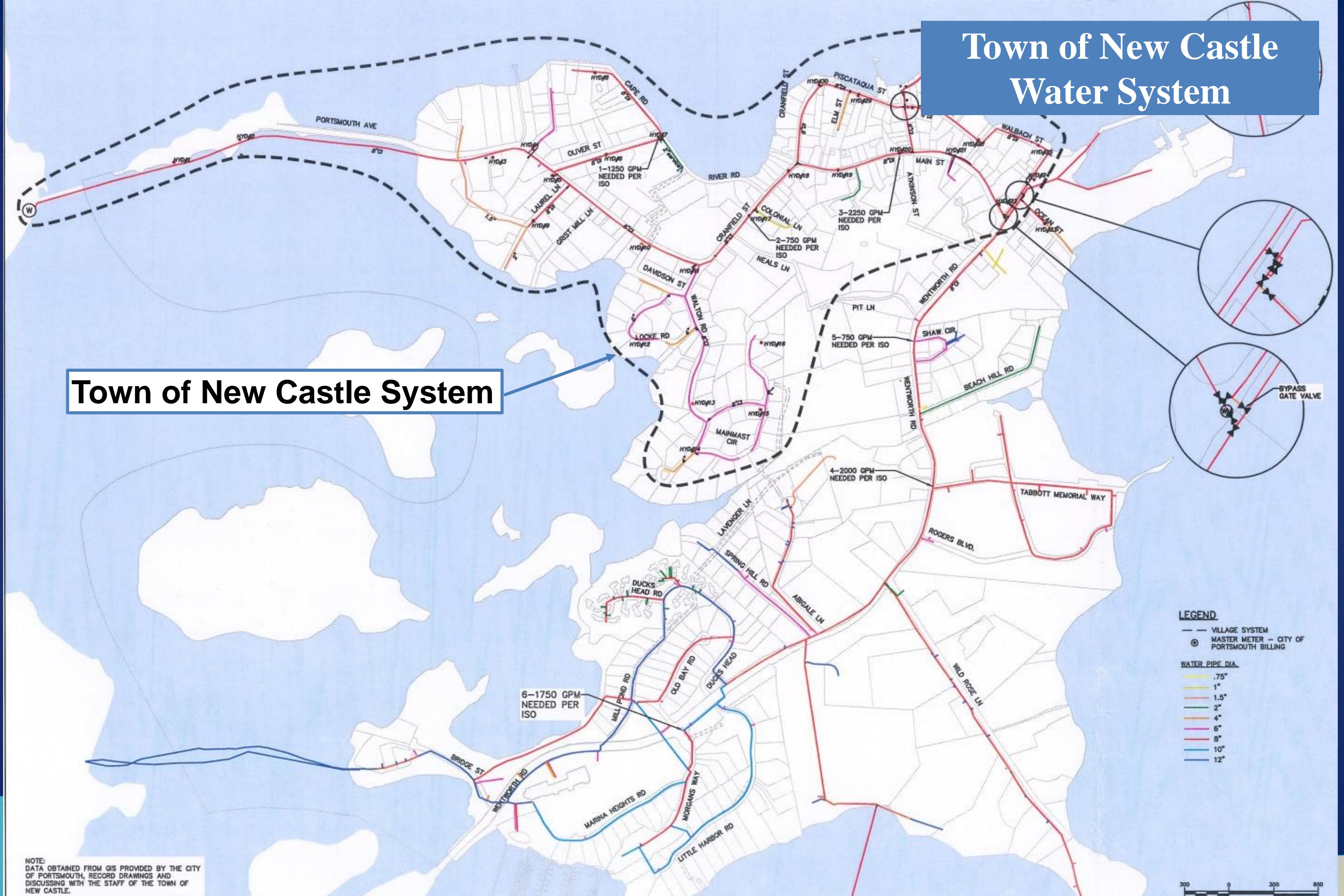
Agenda

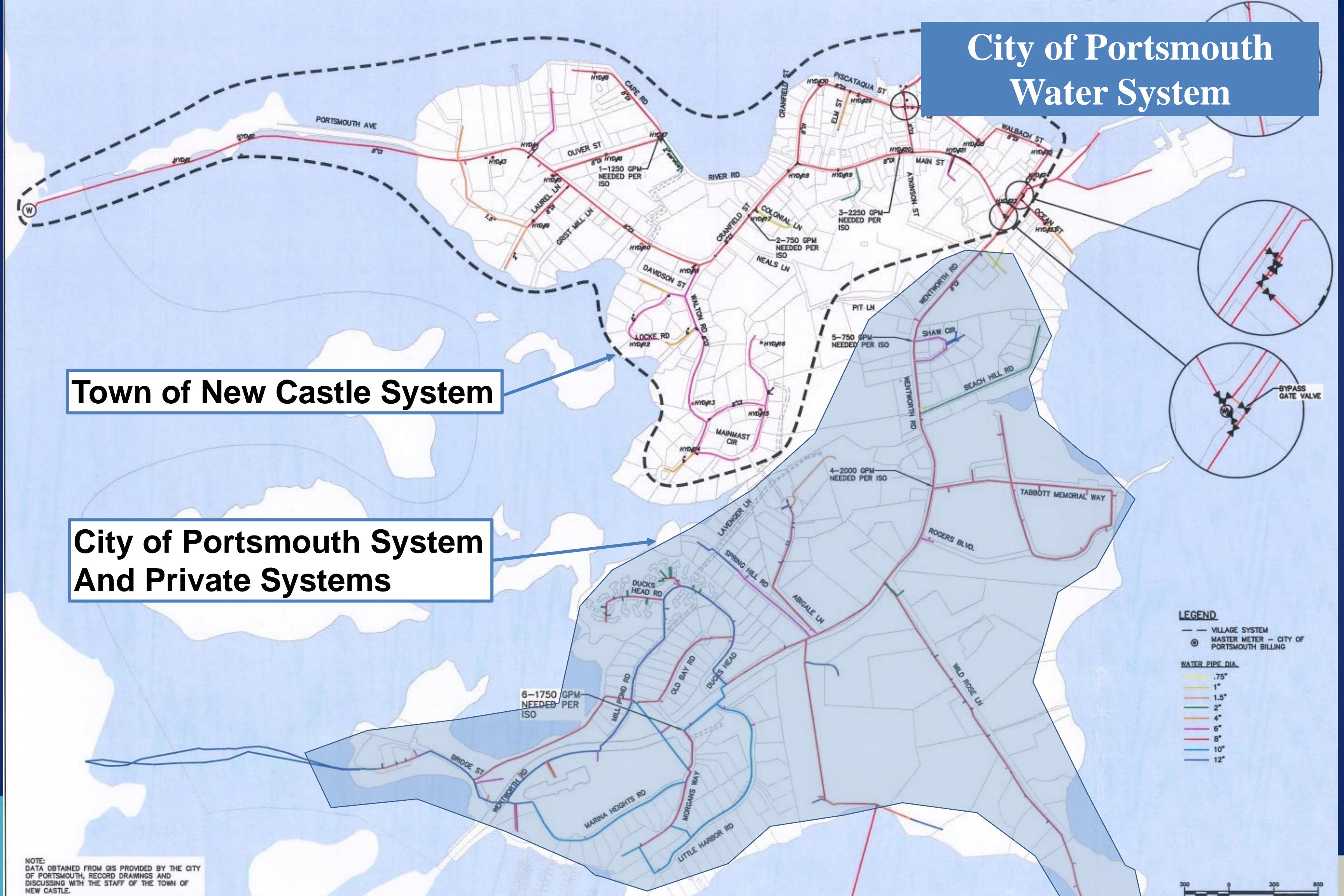
- 1. Purpose/Goals
- 2. Proposed Work
- 3. Neighborhood Expectations
- 4. Schedule
- 5. Questions and Answers

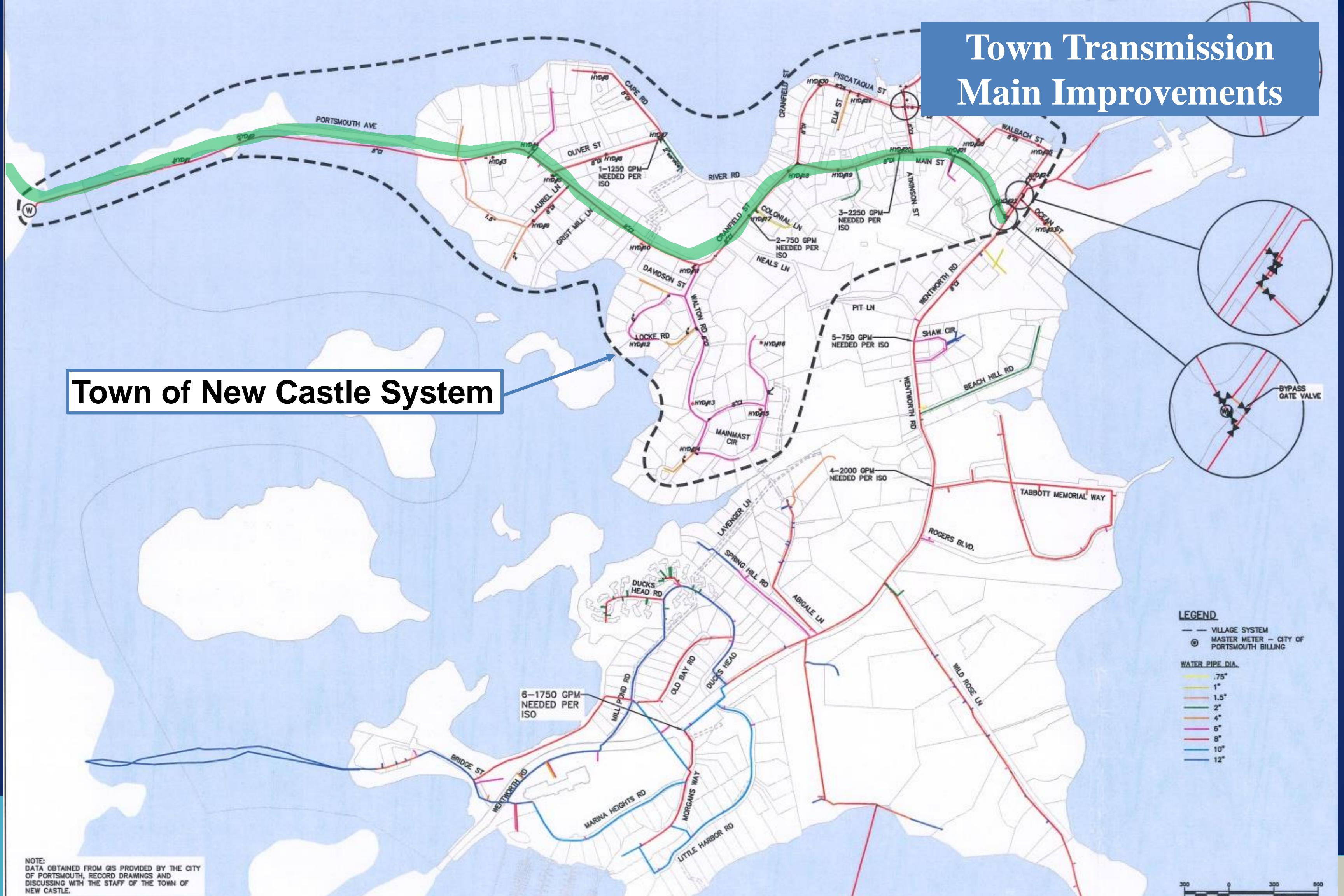


Project Background





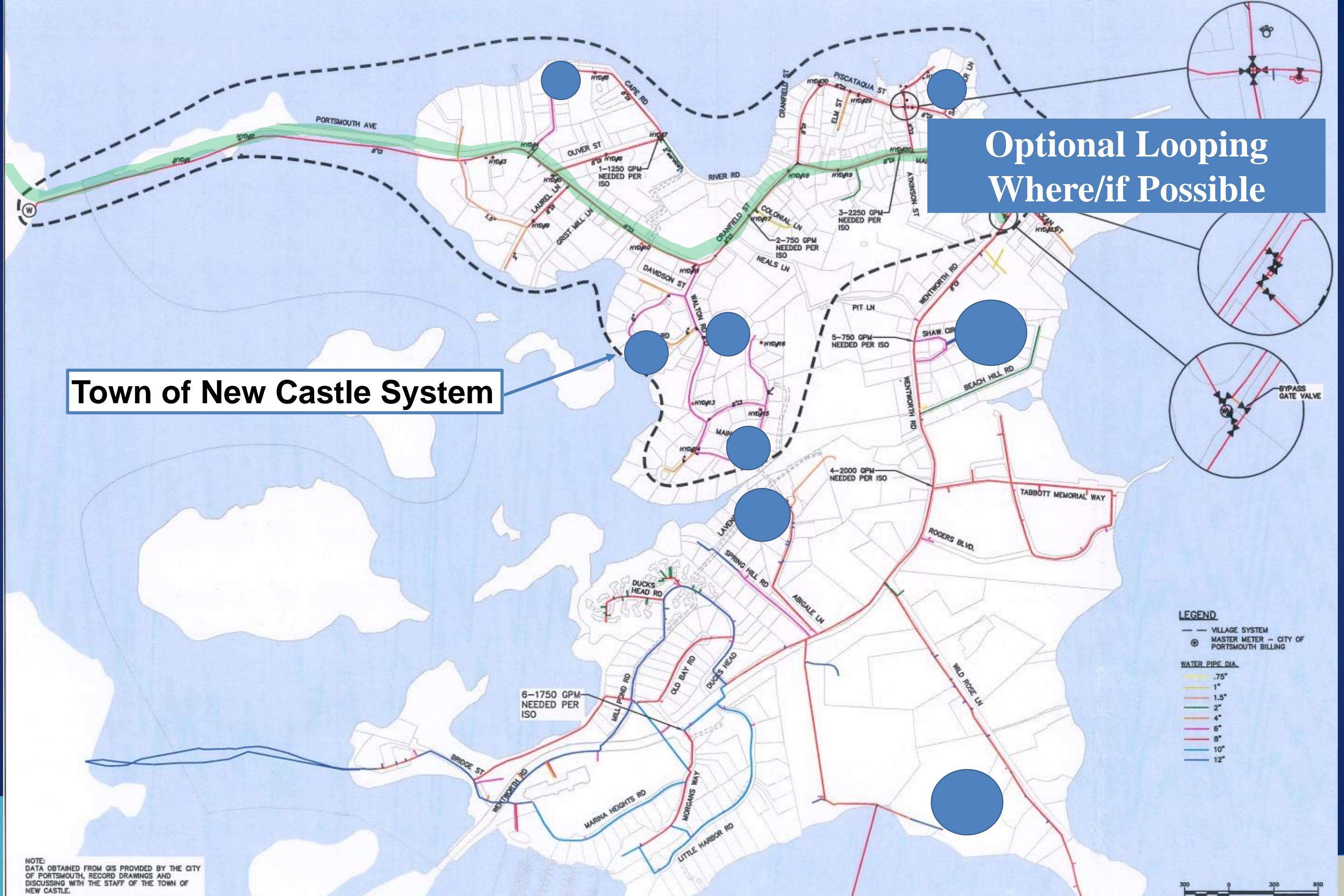




Purpose of Transmission Main

- Fire Flows
- Reliability
- Water Quality

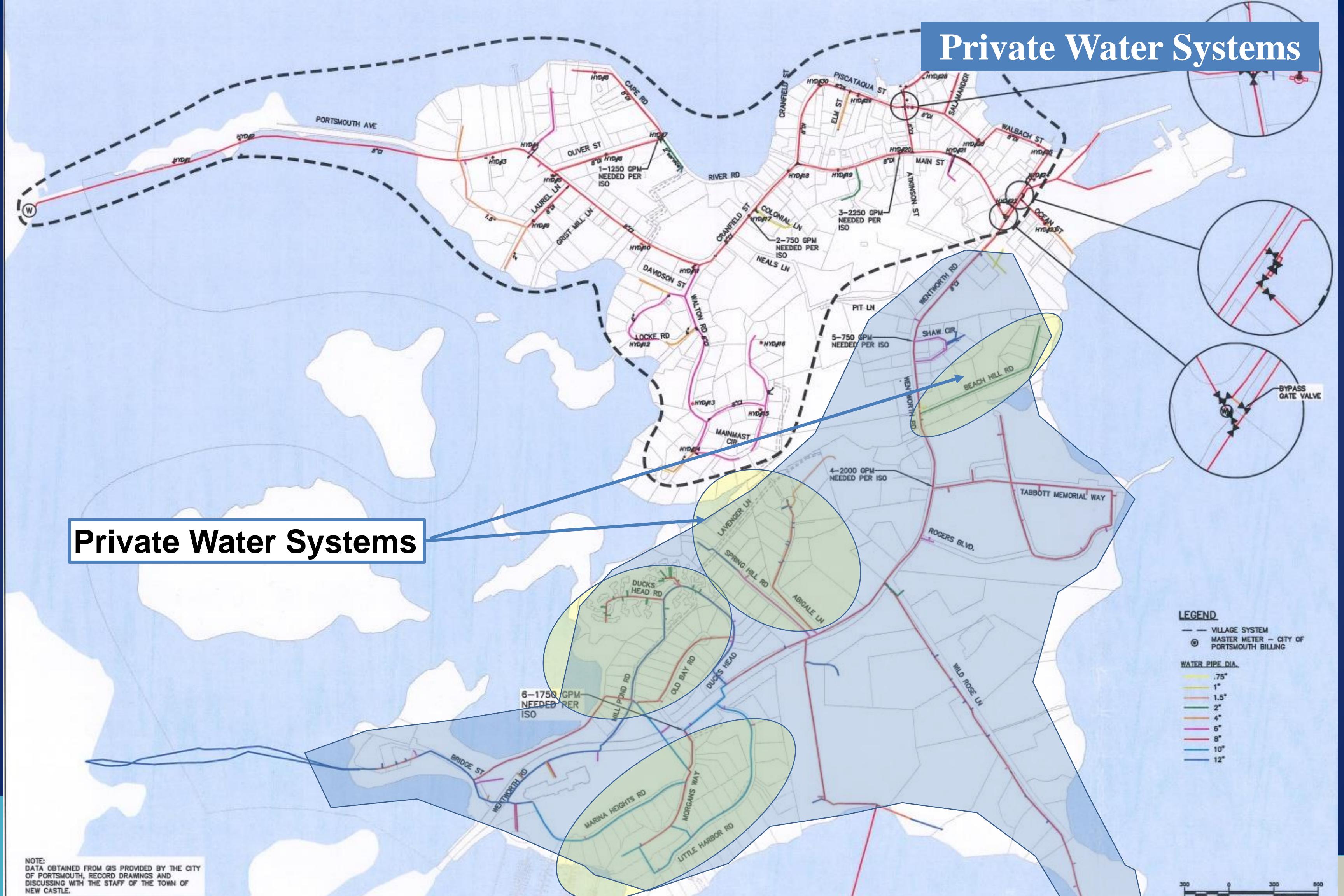


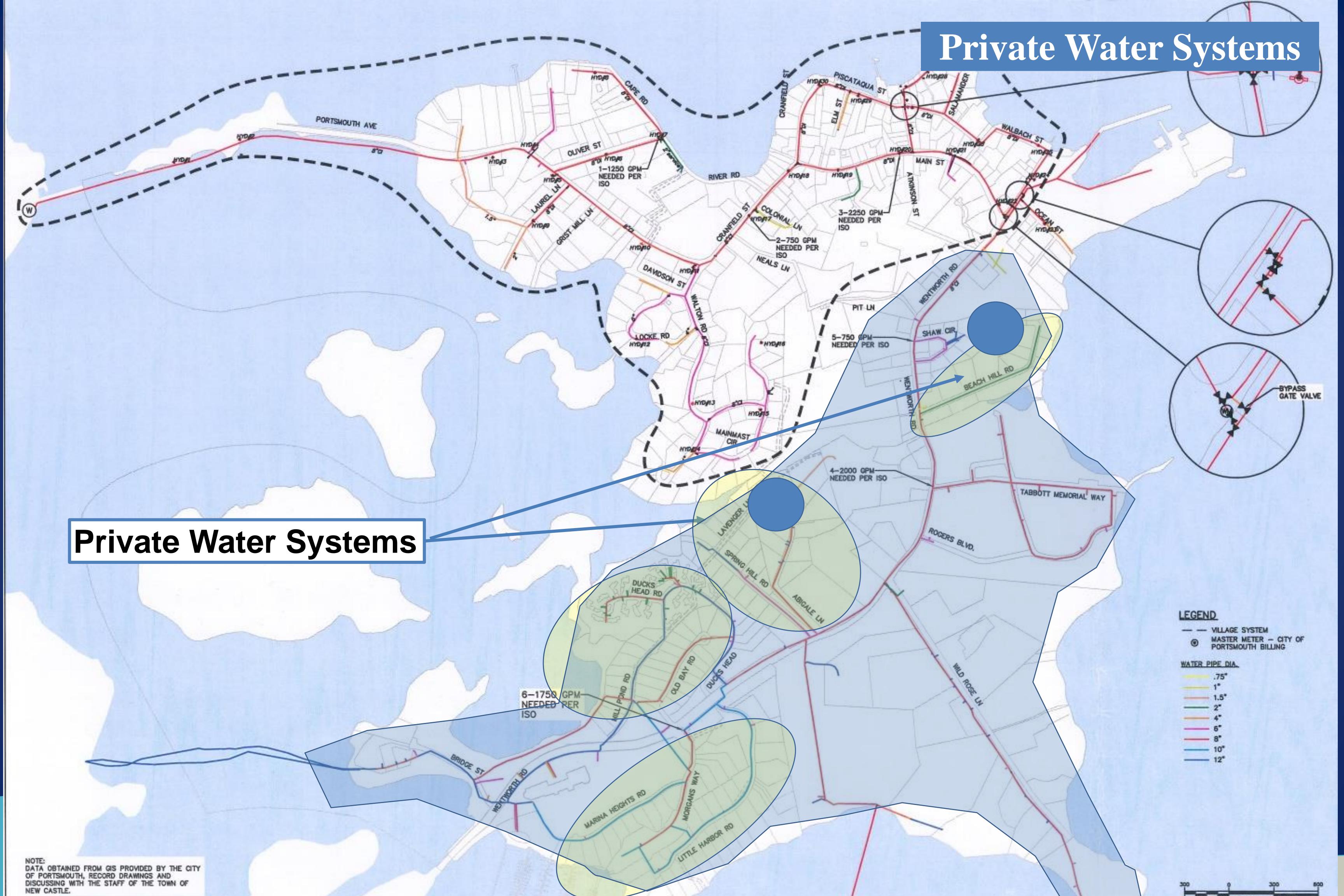


Purpose of Looping

- Reliability/Redundancy
- Water Quality
- Increase flows







Private Water System

• Town/City cannot loop on private water systems

- Private water systems piping unknown
- Need to meet City/Town standard
- Maintenance responsibility not clear





Goals of Program

- Improve systems to City/Town Standard
- Transfer ownership and maintenance of system to City

• Complete loops if possible.



Proposed Work

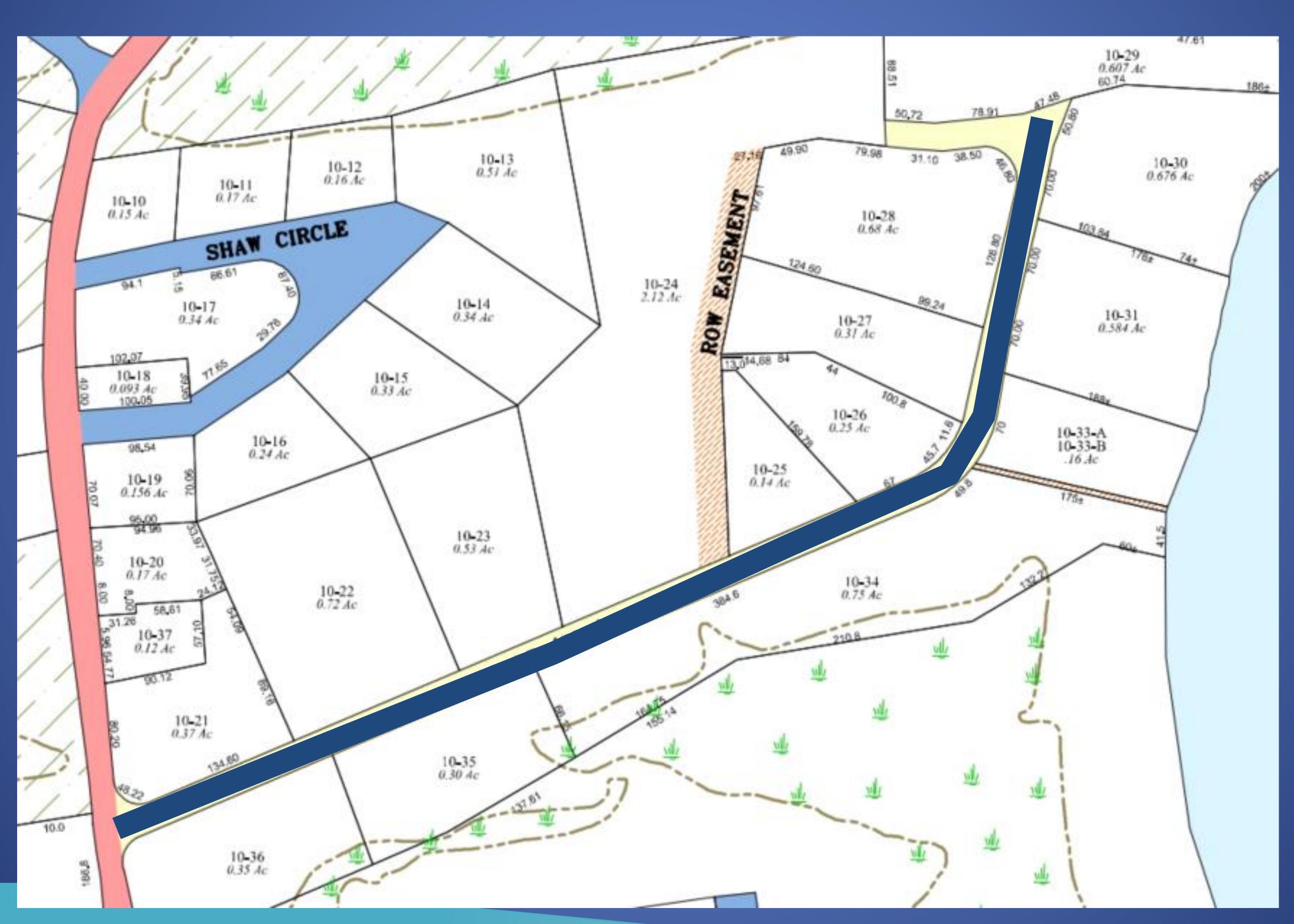


Proposed Work

- New 8" DI water main
- New water services to edge of road ROW
- Temporary water, if needed
- Pavement overlay
- One (1) hydrant



Replace Piping



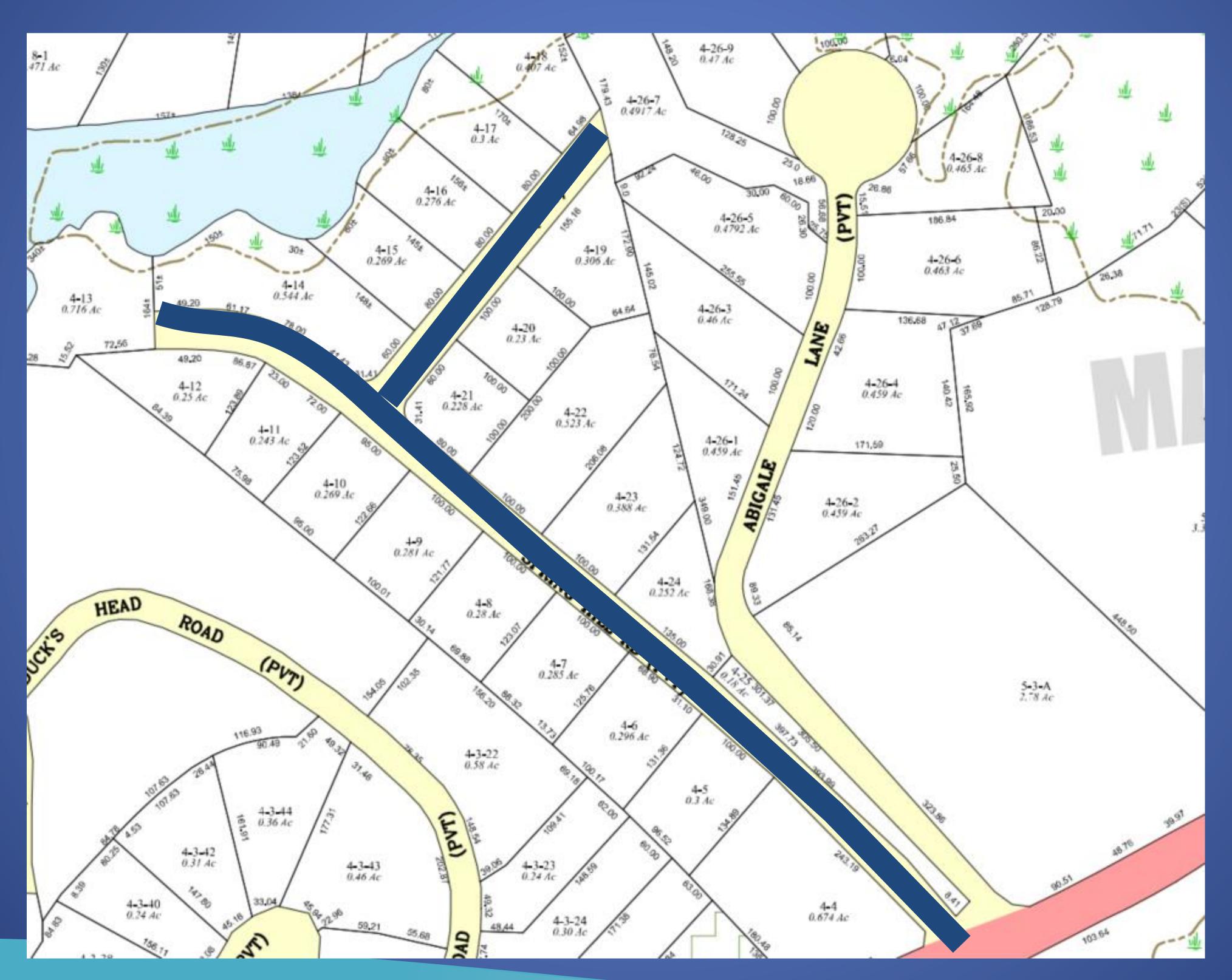


Beach Hill Road

- 12 Properties
- 1,100 feet
- Legal/Easements by HOA
- Planning Cost = \$25,000
- 20-years
 - \$150 to \$200 per month



Replace Piping





Spring Hill Road

- 20 Properties
- 1,500 feet
- Legal/Easements by HOA
- Planning Cost = \$30,000
- 20-years
 - \$150 to \$200 per month

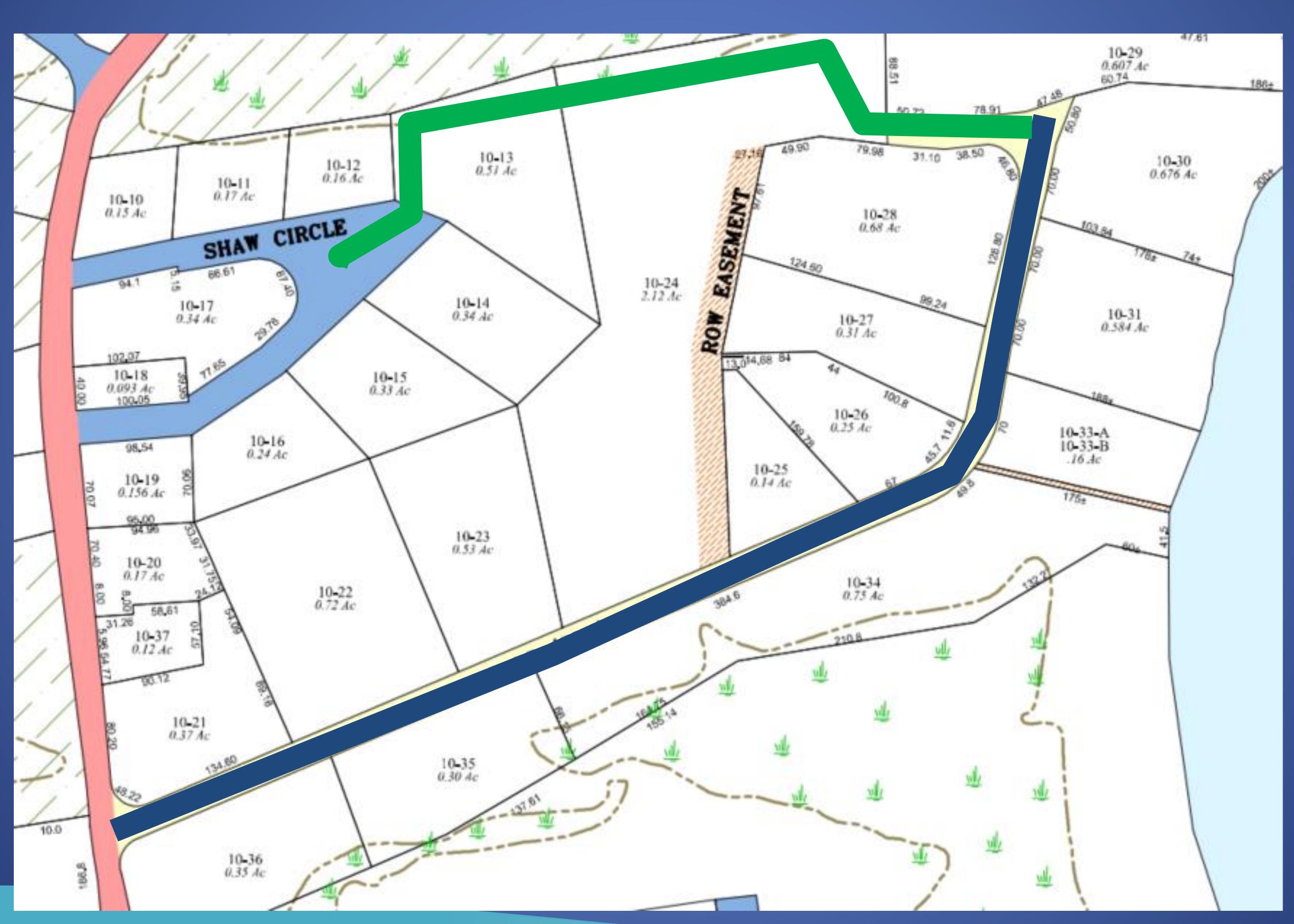


Project Schedule

- MOU Jan/Feb
 - Commit to preliminary efforts and cost
- Easements and Design April
- Finalize betterment and bid Summer
- Construct Summer/Fall
- Apply to City Winter 2020/21

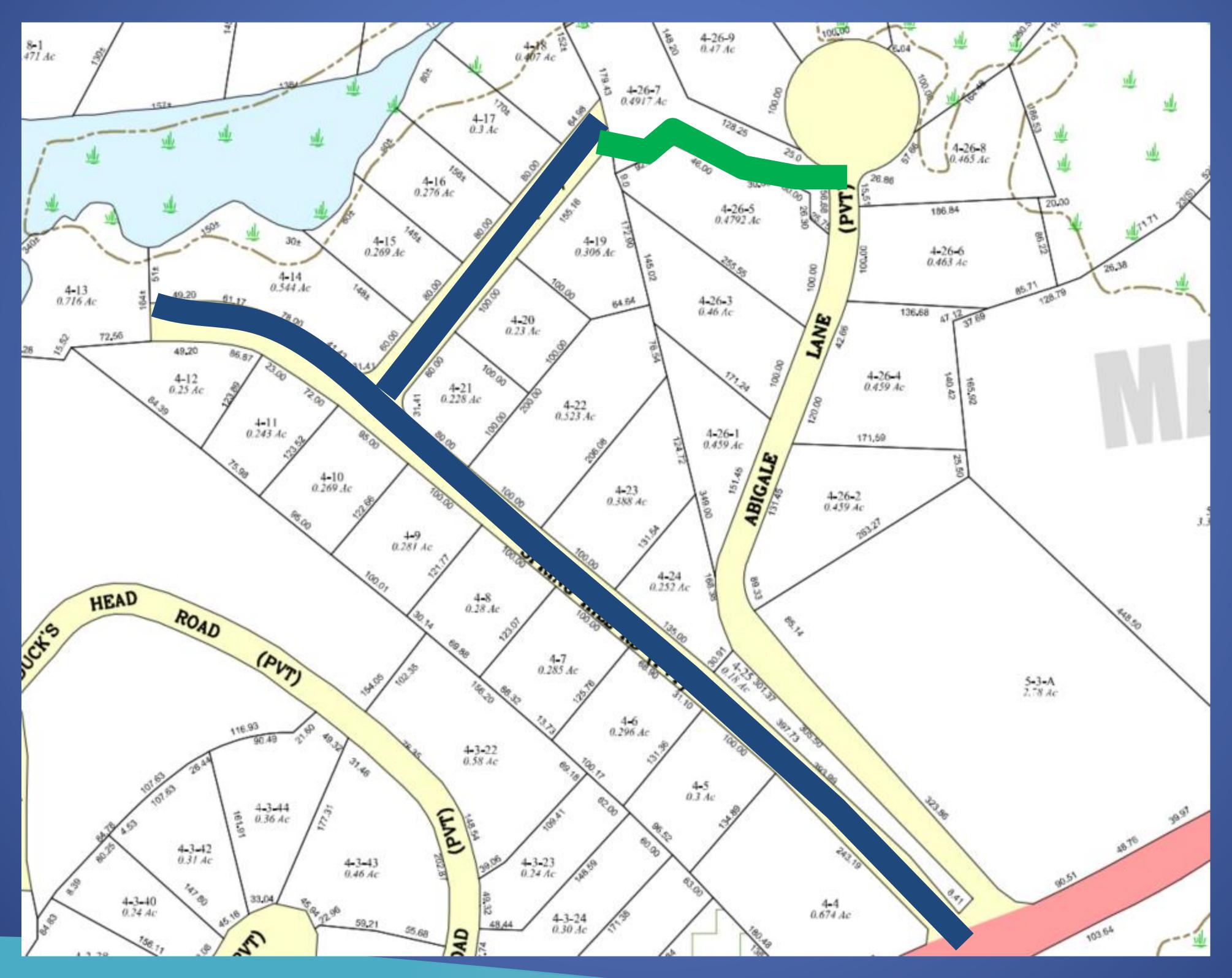


Potential Looping





Potential Looping





Looping

- Loops are not required to complete replacement work
- If MOU executed
 - Town will pursue easements for loops
- If replacement work proceeds, Town will construct loops if easements and funding allow



Tonight's Ask

- Commit to Planning/Design Costs?
 - \$25,000 Beach Hill
 - \$30,000 Spring Hill/Lavenger
- If loops do not move foreword would you still proceed?
 - Pipe will be to standard and City will take over.



Questions and Answers

