



Meetinghouse Pond Area Collection System and Pumping Station

Board of Water and Sewer Commissioners
April 21, 2021



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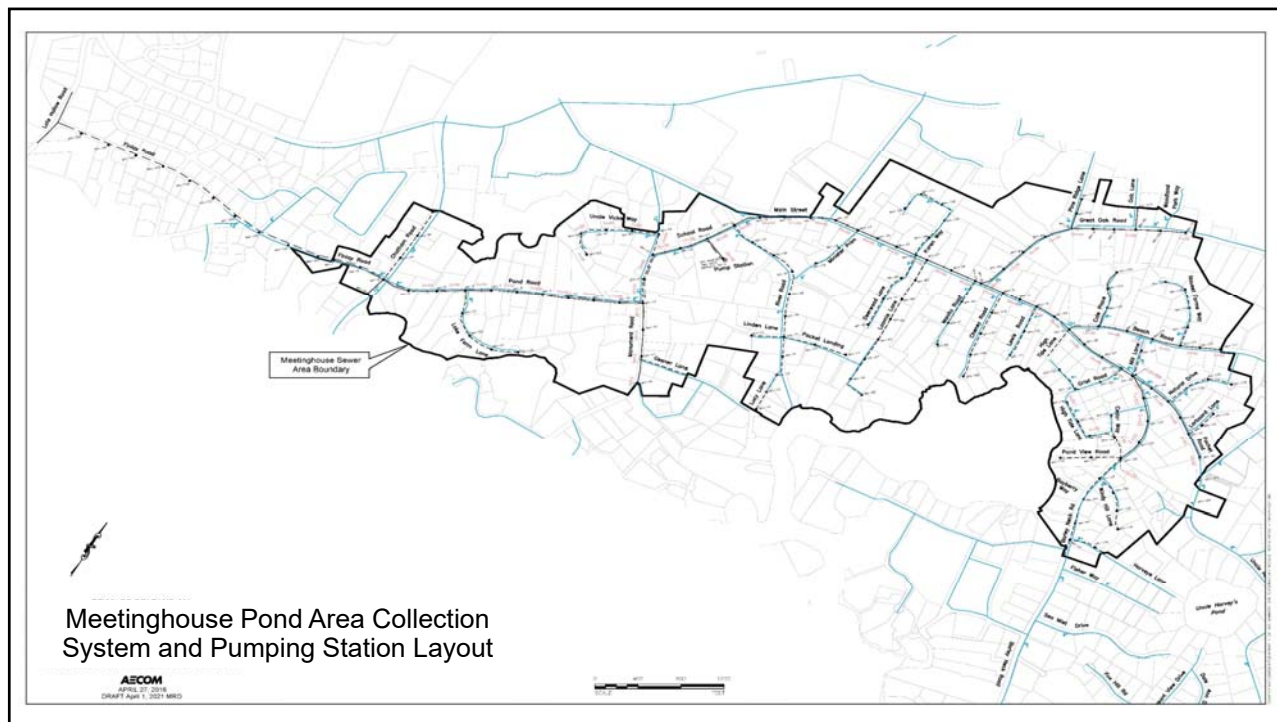
Agenda

- ❖ Collection System and Pumping Station Layout
- ❖ System Components
- ❖ Preliminary Design
- ❖ Project Schedule
- ❖ Decisions to be Made
- ❖ 2021 Annual Town Meeting and SRF Schedule



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System Components

- ❖ About 15,750 Linear Feet of 8-inch through 12-inch PVC Gravity Sewer
- ❖ About 20,750 Linear Feet of 1.5 through 3-inch Low Pressure Sewer
- ❖ 1 Submersible Pumping Station
- ❖ About 7,500 Linear Feet of 8-inch PVC Force Main
- ❖ Estimated 474 Users
- ❖ About one-half of Users will have Privately Owned and Maintained Low-Pressure Sewerage Pump System

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Preliminary Design

- ❖ Topographic Survey
 - Aerial Survey
 - Ground Control Survey and Aerial Flight
 - Data Processing
 - Ground Survey
 - Differential Leveling for Benchmarks and Plan Check
 - Acquire Sill Elevations
 - Acquire Utility Information
- ❖ Subsurface Investigation
 - About 185 Locations
 - Preclearing Locations Almost Complete
 - 73 Borings Complete
- ❖ On-site Disposal Systems
 - Coordinate with the Board of Health to Obtain Records
 - Based on Existing Records
 - Incorporate onto the Contract Drawings



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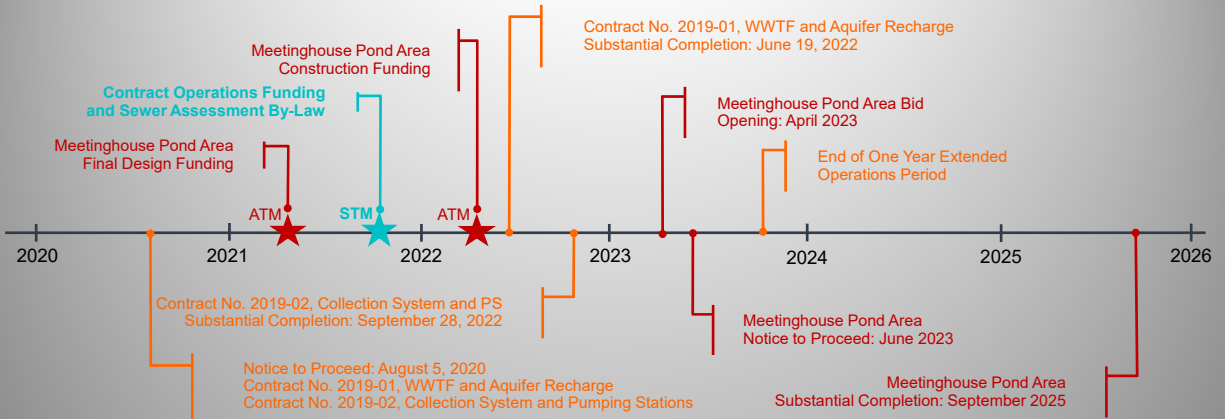
Preliminary Design (cont.)

- ❖ Cultural Resource Evaluation
 - Archaeological Investigations in two phases
 - Research
 - Field Survey
 - Performed in Accordance with Federal and Mass Historical Commission Rules and Regulations
 - Incorporate the Results and Construction Requirements into the Contract Documents
- ❖ Update Preliminary System Configuration
 - Update Profiles Showing Gravity Sewer and Pressure Sewer
 - Update Quantities
- ❖ Capacity Analysis
 - Tonset Road
 - Uncle Harvey's Pond
 - Crystal Lake
 - Pilgrim Lake
- ❖ Update Project Cost Estimate



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Project Schedule



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Decisions to be Made

Item Number	Description	Responsibility
1	Approve Meetinghouse Pond Area Final Design Warrant Article for the 2021 Annual Town Meeting	Select Board
2	Recommend Meetinghouse Pond Area Construction Warrant Article for the 2022 Annual Town Meeting	Board of Water and Sewer Commissioners
3	Approve Meetinghouse Pond Area Construction Warrant Article for the 2022 Annual Town Meeting	Select Board



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2021 Annual Town Meeting and SRF Schedule

- ❖ Annual Town Meeting Warrant Article at \$658,300 for Final Design
- ❖ Scope of Work
 - Prepare Contract Documents
 - Prepare and Submit Permits
 - Assist Town in Obtaining Easements
 - Prepare and Submit SRF Documents
- ❖ State Revolving Fund Schedule
 - Project Evaluation Form - August 2021
 - Intended Use Plan - January 2022
 - Certificate of Funding - June 2022
 - SRF Application - October 2022
 - Approval to Advertise - January 2023



Questions?

