



# PLAISTOW

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## NEW HAMPSHIRE

*INCORPORATED 1749*

## Project Update

# Southern NH Regional Water Interconnection

## Project Agreement

Plaistow, NH

April 15, 2019

# Agenda

- Background
- Summary of Intermunicipal Agreement
- Summary Project
- Interesting Facts
- Schedule Overview

# Need for Project

- Provide regional water supply solutions to southern NH communities between MWW and Plaistow.
- 
- Solve MtBE Issue – 56+ properties in Plaistow
  - Groundwater contamination for 30 years
  - Addresses MtBE contamination in Salem and Windham as well

# Southern Interconnection Agreement

- 7 Parties: MWW, Derry, Windham/PEU, Salem, HAWC, and Plaistow
- Defines:
  - Rights and responsibilities for each system
  - Water supply amounts
  - Infrastructure to be built and owned
  - Water metering and rates
- Term
  - Rates: Established through 2035
  - Agreement: through 2058 and renewable

# Southern Interconnection Agreement - Plaistow

- Water Recipients will convey water to Plaistow
  - System is being designed for 570,000 gpd
  - 100,000 gpd purchased for Plaistow currently
  - Balance may be purchased later:
    - Phase I May 1, 2022
    - Phase II May 1, 2025
- Plaistow will own and operate pump station at Atkinson/Plaistow town line.

# Southern Interconnection Agreement - Plaistow

- Wholesale Water Rate to Plaistow
  - = \$3.59/100 Cubic Feet (Ccf)
- Rate adjustments
  - 10 years MWW In-Town Rate
  - 11-15 years increases to Out of Town Rate
  - Years 15 + = Out of Town Rate

# Regional Project By the Numbers

- Approximately 25 miles between Londonderry/Derry (MWW) line to proposed Plaistow Tank
  - 70% of piping exists
  - 37,840 LF (7.2 miles) needed to fill gaps
- Up to 6 Metering Stations
- 4 New/Improved Pumping Stations
- 2 New Water Storage Tanks (Added storage = 1.4 MG)
- Chemical Feed
- 8 pressure zone changes through 6 communities

# Regional Project By the Numbers

- Total Funding = \$26.9 Million
  - Total Funding in Plaistow ~ \$7 Million
- Each Community is Managing Projects
- 10 to 15 Potential Construction Contracts



# Plaistow Project By the Numbers

- Pumping Station
- 9,800 feet of 12” Water Transmission Main
  - East Road and Sweet Hill Road
- 3,600 feet of 8” Water Transmission Main
  - Westville Road and Wentworth Avenue
- 400,000 gallon Water Storage Tank on Sweet Hill Rd
- 56+ MtBE Service Connections
- System start-up and flushing
- MSDC Purchase

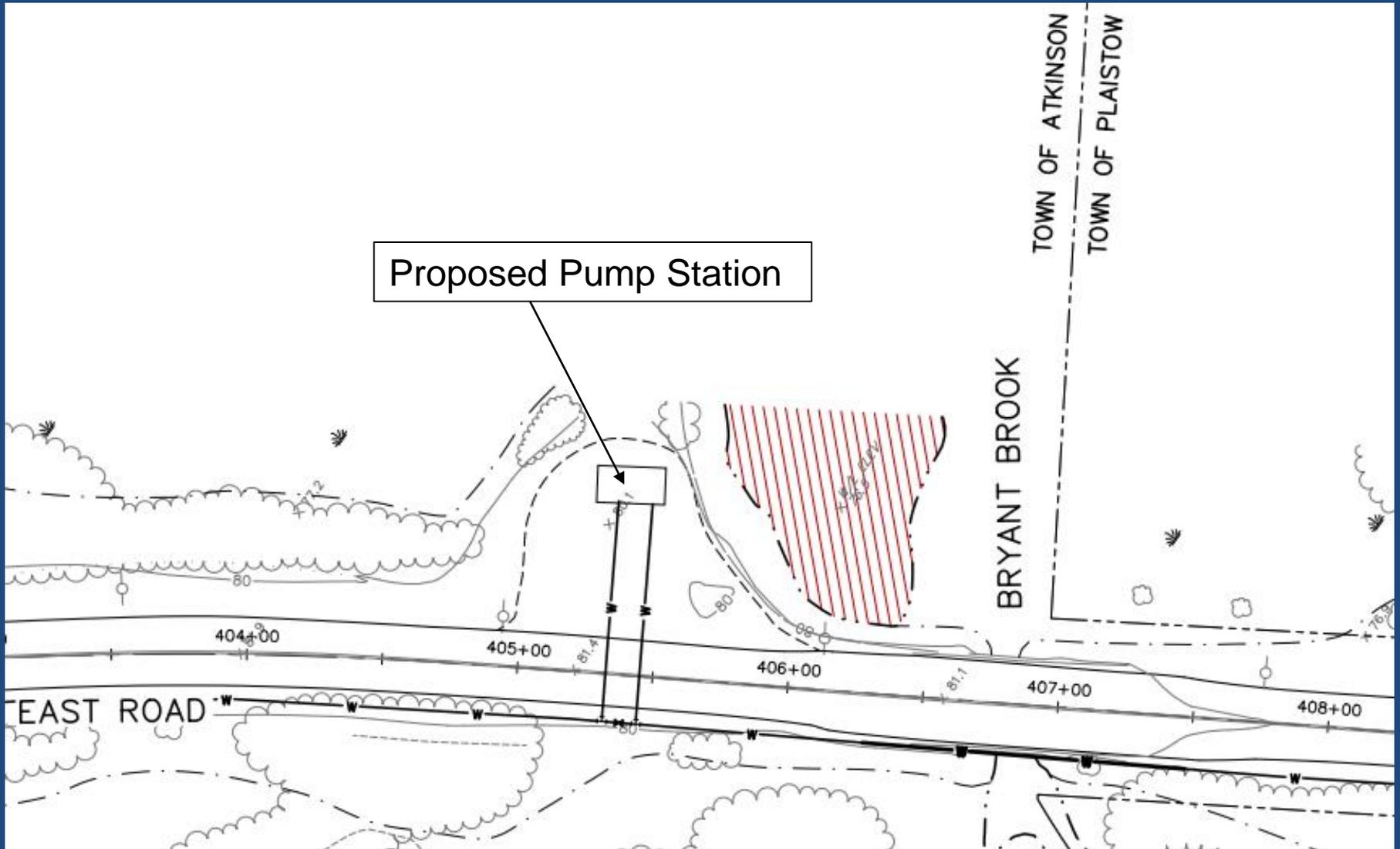
# Plaistow Recommended Improvements



# Proposed Pump Station Aerial Sketch



# Pump Station Site Sketch



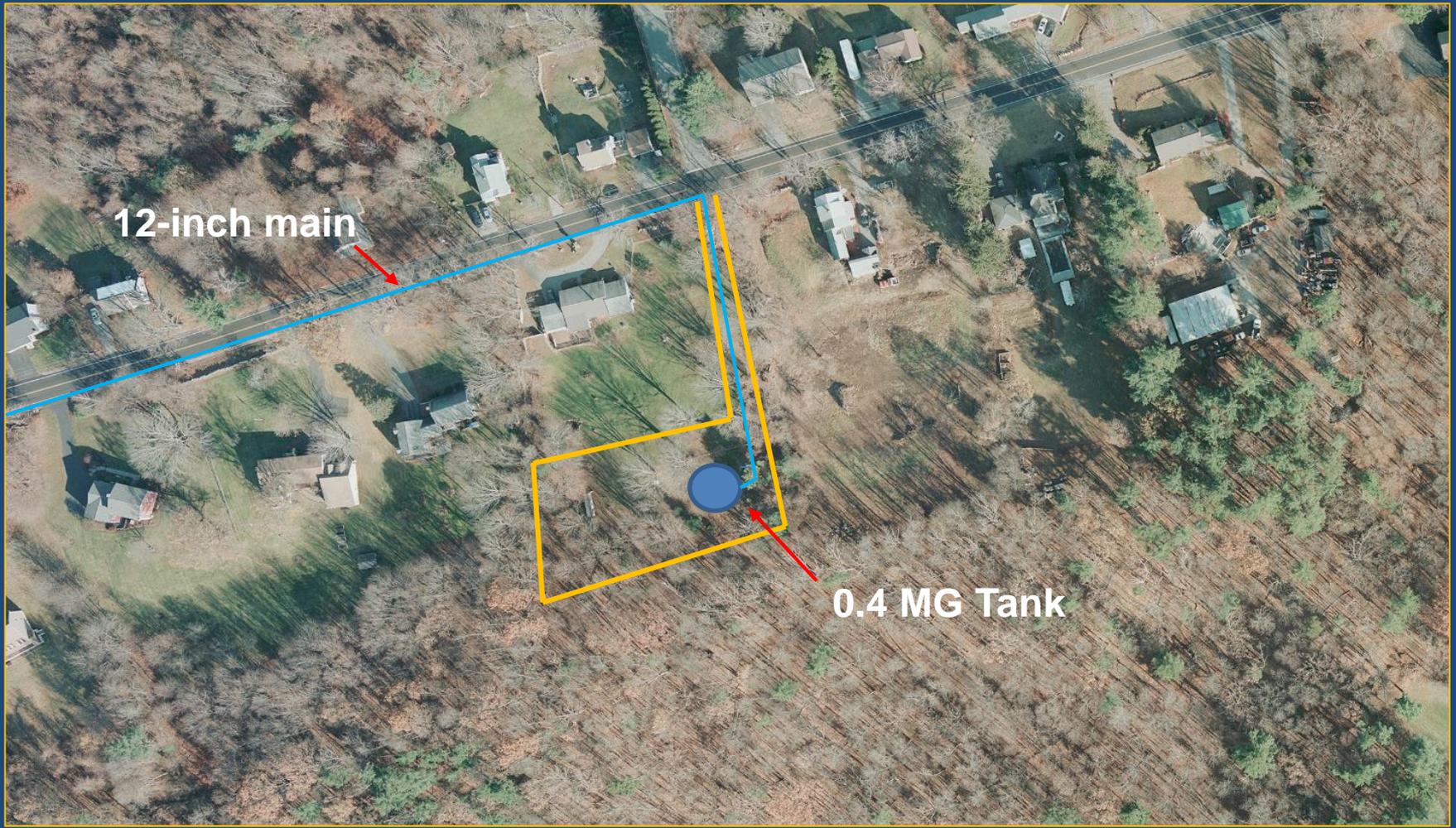
# Rockingham Road Pump Station Derry, NH



# Rockingham Road Pump Station Derry, NH



# Sweet Hill Tank Aerial Sketch





# 300,000 Gallon Tank Newport, NH



# Next Steps - Plaistow

- Finish 30% Design
- Begin Final Design
  - Tank
  - Pump Station
  - Transmission Mains
  - Services
- Technical Support (future)
  - Water System Operations
  - Water Rates and Ordinances

# Phase 1 Plaistow Schedule

## Southern NH Regional Water Improvements

- **Design – 2019**
- **Operations and Management - 2019**
- **Construction Start – 2020**
  - **Bidding Fall 2019 or Spring 2020**
- **System Online – 2021 or 2022**

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Questions?