



# Town of Nantucket Nantucket Harbor Shimmo & Plus Parcels Sewer Project



Public Outreach Presentation  
to Interested Property Owners  
Meadow View Road Area  
May 15<sup>th</sup>, 2017



# Town of Nantucket Nantucket Harbor Shimmo & Plus Sewers

## Project Team:

- Town Administration
  - C. Elizabeth Gibson, Town Manager
- Nantucket Sewer Department
  - David Gray, Sewer Director
- Weston & Sampson
  - Drew Patnode
  - Steve Pedersen
  - Laurie Toscano
- Owner's Project Manager (OPM)
  - Frank Ayotte, Hazen-Sawyer
- Construction Contractor (TBD)





Town of Nantucket

# Nantucket Harbor Shimmo & Plus Sewers

## Agenda

- Project Background - A Look Back
- Project Status & Details - Current Snapshot
- Continuing Project
  - A Look Ahead
  - Cost Considerations
  - Anticipated Schedule
  - Ways to Stay Connected
- Question & Discussion and Community Input



# Town of Nantucket Nantucket Harbor Shimmo & Plus Sewers

## Project Background - A Look Back:

- Comprehensive Wastewater Management Planning effort Recommended Sewer Extension Areas in the Surfside WWTF tributary





# Town of Nantucket Nantucket Harbor Shimmo & Plus Sewers

## Project Background - A Look Back: Water Protection Districts







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Nantucket Harbor Shimmo & Plus Sewers

## Project Background - A Look Back:

- These specific Areas were Voted by Nantucket Town Meeting, April 2016 to proceed to Implementation
  - Nantucket Harbor Shimmo Area
  - Plus Parcels Sewer Areas - 4 infill areas
    - Meadow View Drive Area
    - Bayberry Lane Area
    - Tashama/Maclean Area
    - Green Meadows Area



# Town of Nantucket Nantucket Harbor Shimmo & Plus Sewers



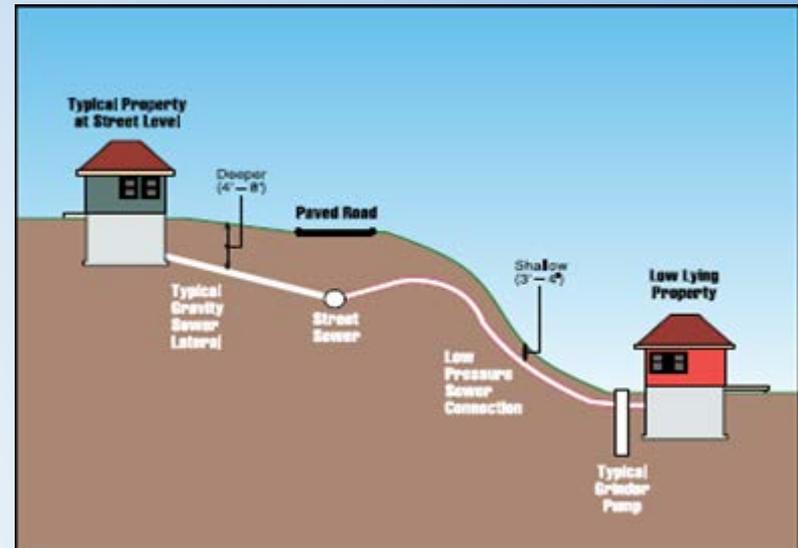


## Town of Nantucket

# Nantucket Harbor Shimmo & Plus Sewers

## Project Status & Details - Current Snapshot:

- Need for Sewer Extension Project (from CWMP)
- Basis of Design Report Completed
  - Refined Areas
  - Evaluated Technologies/Alternatives
    - Gravity with Pump Stations
    - Low Pressure with Grinder Pumps
    - STEP Systems
    - Vacuum Systems
    - SDVS Systems
    - Hybrid Systems
  - Recommended a Hybrid System with Gravity and Low Pressure
  - Developed Preliminary Layouts





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# Nantucket Harbor Shimmo & Plus Sewers

## Project Status & Details - Current Snapshot:

- Refined Sewer Connection Points
- Field Survey & Subsurface Investigations
  - Roadway & Existing Utility Survey
  - Soil Borings & Geotechnical Investigations
  - CCTV Investigation for Downstream Capacity Analysis
- Development of Plans & Specifications
- Sewer Utility Easements for Private Roads
- Project Permitting
  - Natural Heritage & Endangered Species Program
  - Archaeological Sensitivity Analysis
  - Conservation Commission Notice of Intent
  - Nantucket Historic District Commission



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# Nantucket Harbor Shimmo & Plus Sewers

## Project Status & Details - Current Overall Snapshot:

- Properties Served by Proposed Sewer Extensions
  - Approximately 360 properties to be Connected
- Gravity Sewer (approx. 13,000 feet)
  - Meadow View, Tashama/Maclean & Green Meadows Areas
  - Including 2 Pump Stations with 5,000 feet of force main
- Low Pressure Sewers (approx. 32,000 feet)
  - NH Shimmo & Bayberry Areas
  - Low Pressure Approach Required due to Topography
  - Systems Require Individual Pump Units for Each Home



Town of Nantucket

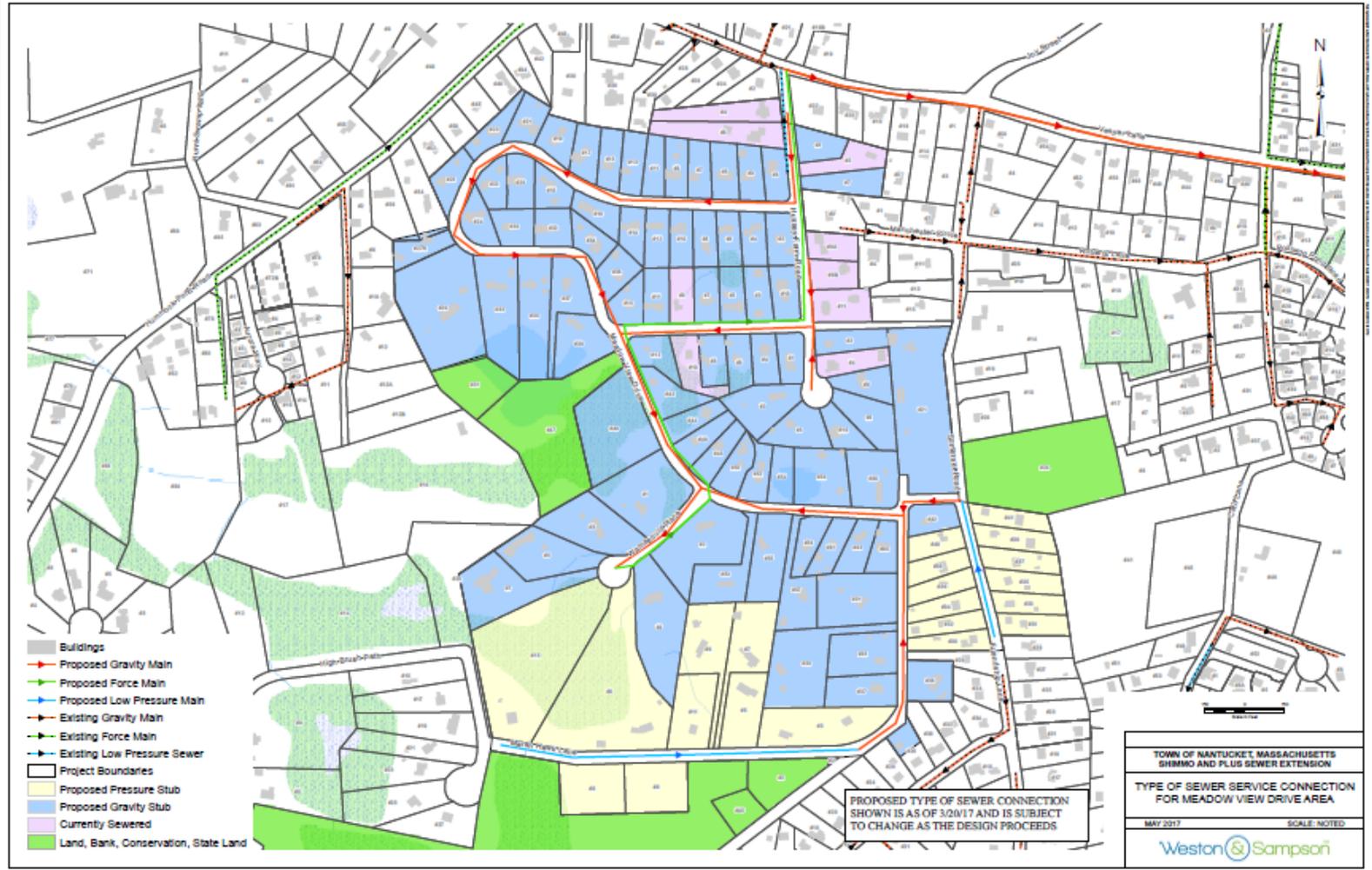
## Nantucket Harbor Shimmo & Plus Sewers

### Project Status & Details - Current Focused Snapshot of the Meadow View Area:

- Properties Served by Proposed Sewer Extensions
  - Approximately 117 properties to be Connected
- Gravity Sewer (approx. 8,300 feet)
  - Meadow View includes 1 Pump Stations with 2,200 feet of force main
- Low Pressure Sewers (approx. 2,000 feet)
  - Low Pressure Approach Required due to Topography
  - Systems Require Individual Pump Units for Each Home



# Town of Nantucket Nantucket Harbor Shimmo & Plus Sewers





# Town of Nantucket

## Nantucket Harbor Shimmo & Plus Sewers

### Continuing Project - A Look Ahead:

- Continued Public Outreach
  - Future meeting venues
  - Town website postings
  - Local newspaper
  - Social media: Twitter
- Traffic Management
  - Coordination with Police, Fire , Ambulance & Busses
  - Advance Notice of Temporary Changes to Traffic Flow & Detours



# Town of Nantucket

## Nantucket Harbor Shimmo & Plus Sewers

### Continuing Project - A Look Ahead:

- Finalize Contract Documents
- Finalize Permitting
- Project Bid Phase
- Project Construction Phase
  - Off-season Construction Period
  - Meeting prior to Construction
  - Resident Representative on-site during Construction
- On-lot Considerations
  - Individual Property Connections



# Town of Nantucket

## Nantucket Harbor Shimmo & Plus Sewers

### Continuing Project – Cost Considerations:

- 2016 Town Meeting Appropriation
  - Technical, Legal & Administrative Support
  - Construction Costs
    - Sewer in roadways
    - Connection stubs to edge of roadway
    - Surface Restoration of roadways
- Private Property Cost Considerations
  - Sewer Connection Fee
  - Privilege Fee
  - Pipeline & Appurtenances on Individual Property



# Town of Nantucket Nantucket Harbor Shimmo & Plus Sewers

## Anticipated Continuing Project Schedule:

- Finalize Design & Permitting Ongoing
- Advertise/Receive Construction Bids May 2017
- Award Construction Contract June 2017
- Construction Start September 2017  
(Construction will Avoid Summer 2018 Season)
- Construction Complete October 2018



# Town of Nantucket Nantucket Harbor Shimmo & Plus Sewers

## Continuing Project - A Look Ahead: Ways to Stay Connected

- Town website: [www.nantucket-ma.gov/NHS-Plus-Sewer](http://www.nantucket-ma.gov/NHS-Plus-Sewer)
- Local newspaper: The Inquirer & Mirror
- Social media: Twitter
- Subscribe to receive project news via e-mail
- Continuing meeting venues
  - Neighborhood Associations - May 16<sup>th</sup> & July 22<sup>nd</sup> (Shimmo)
  - Meeting prior to Construction - August 9<sup>th</sup>
- Project Contacts during Construction



# Town of Nantucket Nantucket Harbor Shimmo & Plus Sewers

## Questions & Discussion

