

# Water Resources Management Update

Barnstable Town Council

May 16, 2024

Town Hall Hearing Room



Town of Barnstable  
Department of Public Works



# Strawberry Hill Road Sewer Expansion Project

Project Status: First connections anticipated Spring 2024.

Strawberry Hill Road Sewer Expansion Project (Green)

95% COMPLETE

## Project Closeout:

- Working through project punch list and closeout
- First connections for a portion of the project route anticipated Spring 2024
- Each eligible property owner will receive four communications
  1. Project Completion letter distributed by DPW – complete
  2. Estimated Assessment generated from Treasurer's Office
  3. Sewer Connection Notification to be distributed by Health Division
  4. Sewer Assessment to be distributed by Treasurer's Office

# Strawberry Hill Road Sewer Expansion Project

Sustainable Water Resources



## SEWER CONNECTION

What you need to know about connecting to the municipal sewer system.

- 1 NOTICE OF SEWER CONNECTION HOOKUP**  
Per the Board of Health Sewer Connection Policy, property owners will be responsible for connecting to the municipal sewer system within 6 months of receiving notification from the Barnstable Health Division.
- 2 HIRE A LICENSED SEWER INSTALLER**  
You will need to hire a licensed sewer installer. This installer will do the actual construction necessary to connect your property to the sewer service stub installed at the property line. To view a list of licensed sewer installers, please visit: [bit.ly/sewer-installers](https://bit.ly/sewer-installers)
- 3 SEWER CONNECTION**  
Your licensed sewer installer will apply for necessary permits prior to commencing work on your property. With permits in hand, your contractor is authorized to begin work.
- 4 INSPECTION PROCESS**  
A Department of Public Works inspector will inspect the installation to ensure it complies with Town specifications. A tie card will be generated, which will be maintained in Town records. DPW will notify the Barnstable Water Pollution Control Division that your property is ready for sewer service billing.
- 5 SEPTIC SYSTEM ABANDONMENT**  
Your septic system must be either removed or filled in due to future safety concerns. This may be done by the same contractor who connects you to municipal sewer. Questions should be directed to the Barnstable Health Division at 508-862-4644 or via email at [health@town.barnstable.ma.us](mailto:health@town.barnstable.ma.us)
- 6 SEWER SERVICE BILLING**  
Property owners will be charged a sewer service user fee, based on their water usage. Your sewer service bill will occur at the same frequency as your water bill. The typical residential sewer usage bill averages \$490 annually.



Learn more about anticipated costs and financial support resources at: [www.barnstablewaterresources.com](http://www.barnstablewaterresources.com)

A form of Barnstable website



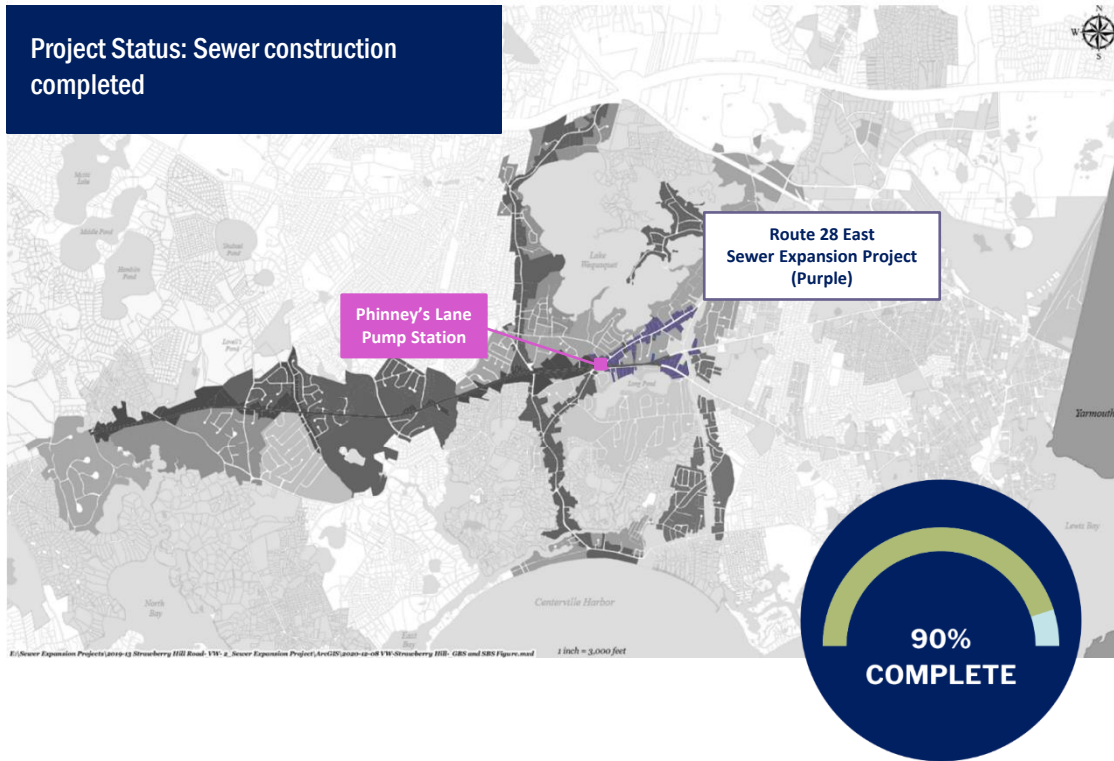
Scan me!

## Sewer Connection Communications:

- Sewer Connection Process Document
  - Distributed with DPW Project Completion letter
  - To be included in Health Division's Sewer Connection Notification
- Homeowner's Sewer Connection Guide
  - In final layout and review
  - To be available for download via [BarnstableWaterResources.com](http://BarnstableWaterResources.com)
  - Printed hard copies to be available at Town Hall and identified Town locations
- Upcoming Sewer Connection Workshop
  - Tuesday, June 4, 2024, 1:30PM at the Barnstable Adult Community Center (BACC)
  - Registration encouraged via BACC website; attendees will be presented with a Homeowner's Sewer Connection Guide
  - Intend to expand to other venues and times throughout the summer
- WaterWorks: Sewer Connection 101
  - Educational video in progress

# Route 28 East Sewer Expansion Project

Project Status: Sewer construction completed



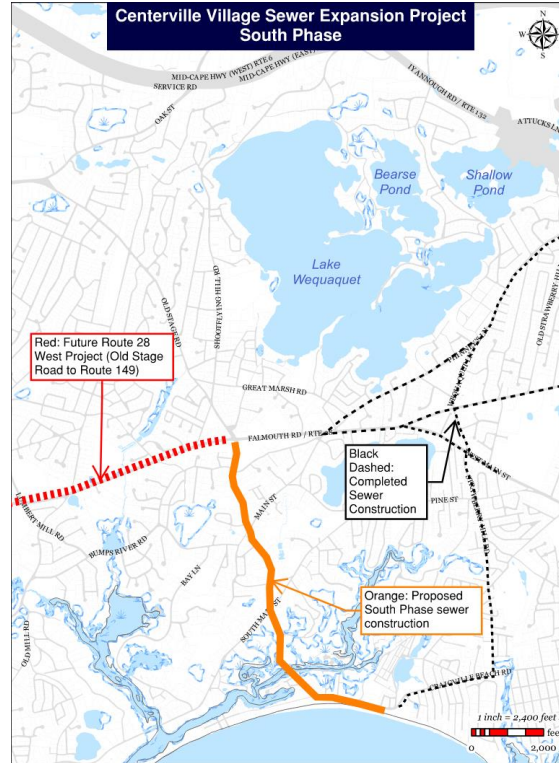
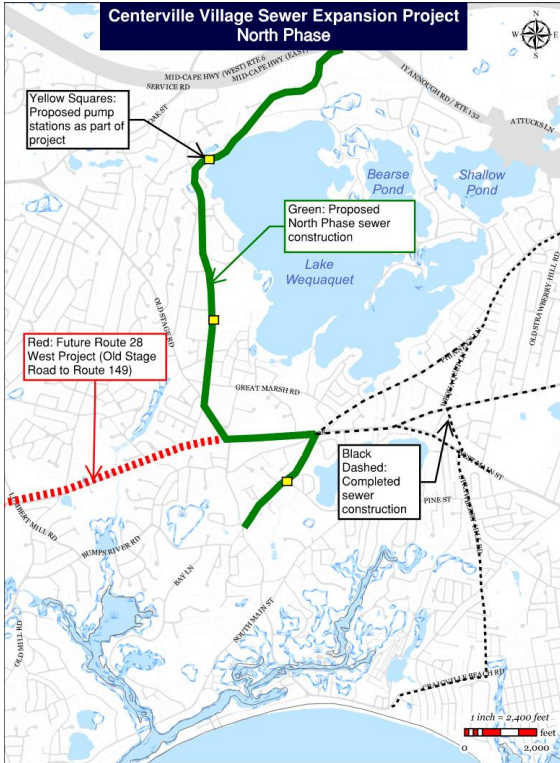
## Project Closeout:

- Drainage improvements on Phinney's Lane have been completed
- Final line striping on Route 28 was completed on Monday, May 13
- Coordinating schedule(s) for final paving of West Main Street and Phinney's Lane
- Developing project punch list for contract closeout
- Sewer connections anticipated to be available by the end of the calendar year

## Phinney's Lane Pump Station:

- Driveway paving completed, site restoration in progress
- Finalizing utility services
- Anticipated completion end of June 2024

# Centerville Village Sewer Expansion Project



## North Phase:

- Design completed
- Construction bid advertised on April 3, 2024
- Bids due on May 15, 2024
- Mother's Park Pump Station and surrounding properties listed as a bid alternate
  - As a result of pending approvals including Article 97
  - Allows flexibility with award of the bid
- Property owner outreach and communications following bid award
  - Construction anticipated Fall 2024

## South Phase:

- Continuing to advance design
- Continuing effort to site pump station locations and associated easement options



# 720 Main Street Pump Station Replacement Project

## Project Details:

- Part of the Town's Sewer Pump Station Rehabilitation Program
  - Will address capacity concerns within the Town's Growth Incentive Zone (GIZ) as well as replace aging infrastructure

## Pump Station Construction:

- Onsite excavation continues
  - On-site work hours: 7:00AM – 4:00PM
  - Foundation has been poured to grade, water testing is in progress, to be followed by weather proofing
  - On-site work will continue through the summer season

## In-Road Sewer Construction:

- Testing and temporary restoration in progress
  - In-road work hours: 8:00AM – 5:00PM
  - Road closure has been lifted, single-lane alternating as needed
  - Contractor to demobilize from the roadway by May 23, 2024
  - In-road sewer construction to resume this Fall



*In-road sewer excavation has concluded for the season*

# Water Pollution Control Facility

## Solids Processing Facility Upgrades

- Transitioned to project close-out punch list
- Anticipated completion end of this month

## Nitrogen Removal and Headworks Improvements

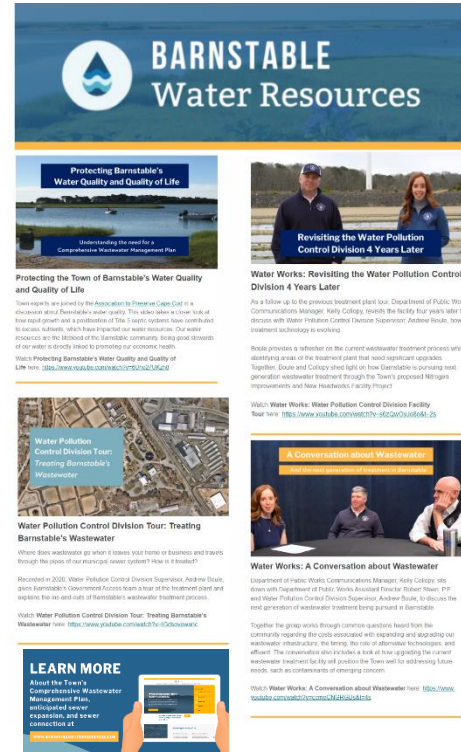
- #1 ranked project in 2024 Draft Clean Water Fund Intended Use Plan (IUP)
  - Appropriation and Loan Order 2024-112 for funding the Water Pollution Control Facility Upgrades Project on April 25, 2024
- Basis of design report in review, moving into final design
- MBR Manufacturer Committee has recommended Veolia Zeeweed MBR
- Construction start anticipated Fall 2025

## Effluent Disposal Evaluation

- Water Reuse and Disposal Alternatives Analysis in progress with CDM Smith
- Hosting monthly meetings with MassDEP

## Watershed Permit

- Barnstable submitted its application on September 1, 2023
- First WP95 Application on Cape Cod, in review with MassDEP



# Water Quality

## Municipal Separate Storm Sewer System (MS4) Permit Updates

- Public Hearing scheduled for Wednesday, May 28, 2024, at 3:00PM via ZOOM
  - Meeting link and information available on Town Calendar
  - Draft Stormwater Management Rules and Regulations available on Town website, under Department of Public Works
  - Public comments may be emailed to Amber Unruh at [Amber.Unruh@town.barnstable.ma.us](mailto:Amber.Unruh@town.barnstable.ma.us)
  - Deadline to submit comments via email is May 28, 2024, at 12:00PM

## Long Pond, Marstons Mills Floating Treatment Wetland

- Successful deployment completed May 6 – 7, 2024
- Monitoring will continue through Summer 2025
- Water quality samples and biomass to be collected to measure total phosphorus and nitrogen removal





# Water Quality

## UMass Dartmouth Senior Engineering Project – Shubael Pond

- Sponsored by Barnstable Department of Public Works
- Building on the recommendations presented in the Shubael Pond Management Plan, DPW staff mentored engineering students to prepare sewer and stormwater designs to reduce nutrient inputs to Shubael Pond
- Students took 2nd place in their final presentation

## Cyanobacteria Monitoring Program

- Season sampling begins the week of May 20, 2024
- Water Quality Updates posted on BarnstableWaterResources.com, via the MyBarnstable App, and on social media
- In partnership with the Association to Preserve Cape Cod (APCC)
- APCC Interactive Cyanobacteria Monitoring Map available at: <https://apcc.org/our-work/science/community-science/cyanobacteria/>

## Call for Water Quality Monitoring Volunteers

- Estuary samplers needed for Barnstable Harbor, Lewis Bay, Centerville River, Halls Creek and Three Bays
- Email [Brooke.Withers@town.barnstable.ma.us](mailto:Brooke.Withers@town.barnstable.ma.us) for more information



