

Water Resources Management Update

Barnstable Town Council

June 27, 2024

Town Hall Hearing Room



Town of Barnstable
Department of Public Works



Strawberry Hill Road Sewer Expansion Project

Project Status: First connections have commenced; 151 parcels eligible.

Strawberry Hill Road
Sewer Expansion Project
(Green)

98%
COMPLETE

Project Closeout:

- Road work has been completed for the season
 - Continue to work through project punch list and closeout
- First connections for a portion of the project route have commenced (151 parcels, 220 individual residents)
 - Includes: portions of Craigville Beach Road, Strawberry Hill Road, West Main Street, Wequaquet Lane, and Phinney's Lane
- Sewer Assessment Communications
 - Managed by Barnstable Treasurer/Tax Collector's Office
 - Estimated Assessment of \$7,250
- Notice of Sewer Connection Hookup Communications
 - Managed by Barnstable Health Division
 - 88% of notifications delivered
 - 5 sewer trench permits submitted

Strawberry Hill Road Sewer Expansion Project



Excavation and connection layout, accompanied by DPW inspector



Completed connection

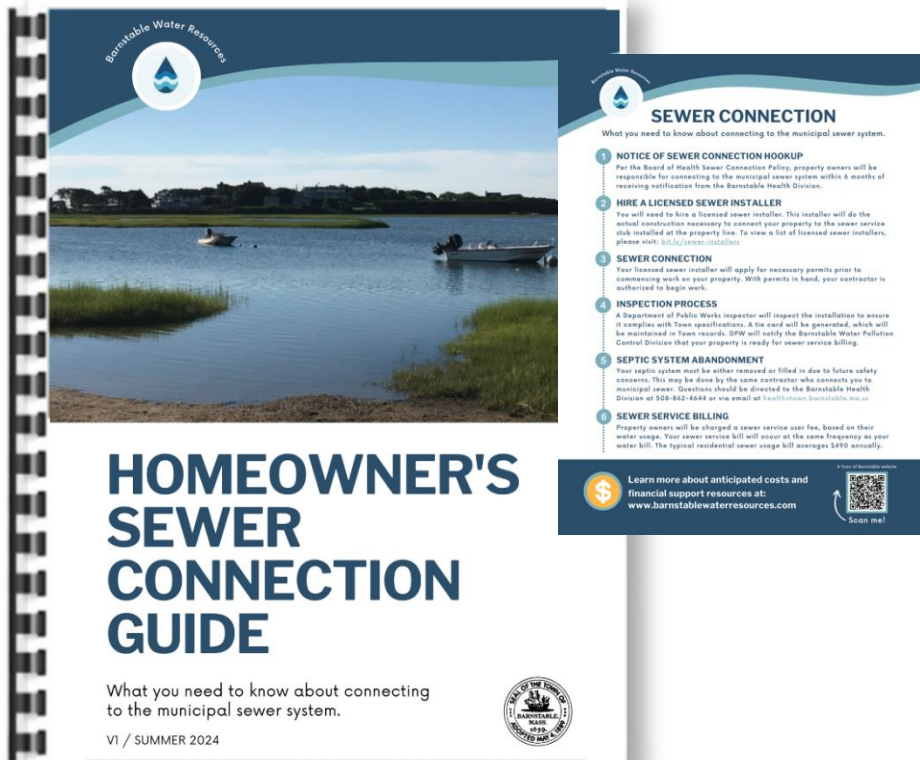
First Residential Sewer Connection:

- Successfully completed on May 29, 2024
- Located on Strawberry Hill Road
- Site essentially was a new build



Preparing to backfill

Sewer Connection Communications



Homeowner's Sewer Connection Guide

- Now available for download on BarnstableWaterResources.com
- Print copies to be available at Town Hall and identified Town locations

Sewer Connection Process Document

- Portuguese and Spanish translations in review

Discover Barnstable Podcast

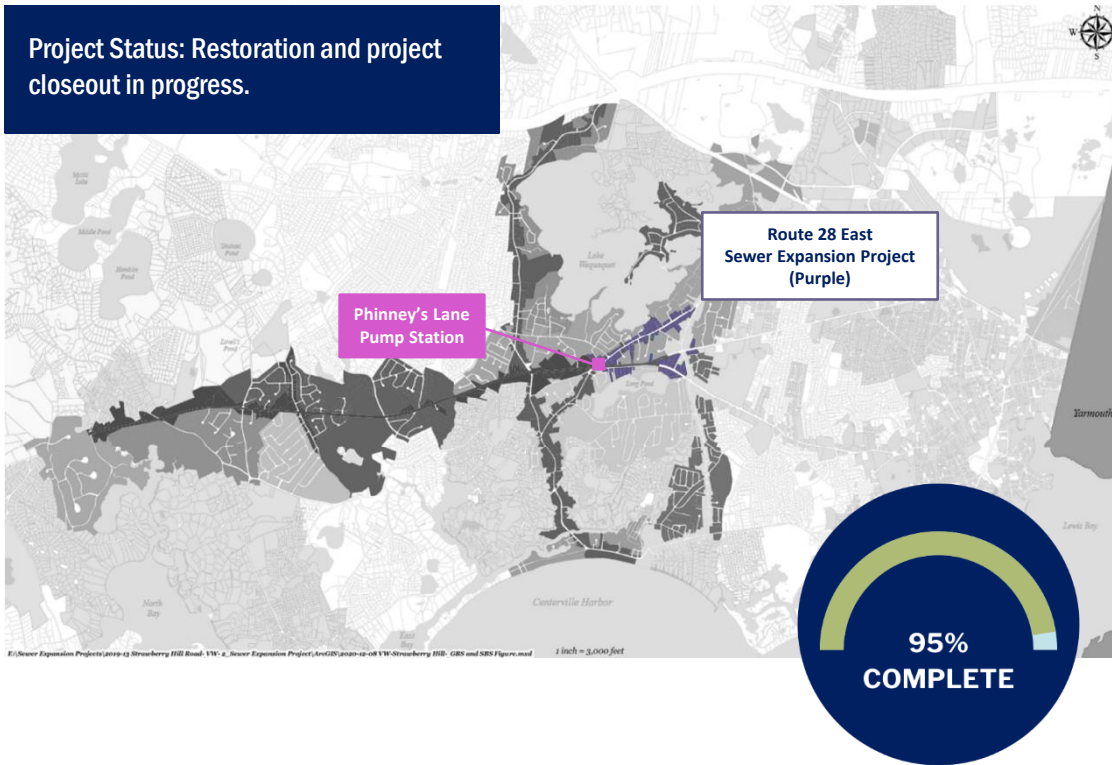
- Recorded Homeowner's Sewer Connection Guide episode

WaterWorks: A Conversation About Sewer Connection

- Interview with Sewer Connection Program Manager, Ansley deMerlier
- Available on BarnstableWaterResources.com and via [Barnstable Government Access](https://www.youtube.com/watch?v=c_ib81kX2LY) (https://www.youtube.com/watch?v=c_ib81kX2LY)

Route 28 East Sewer Expansion Project

Project Status: Restoration and project closeout in progress.



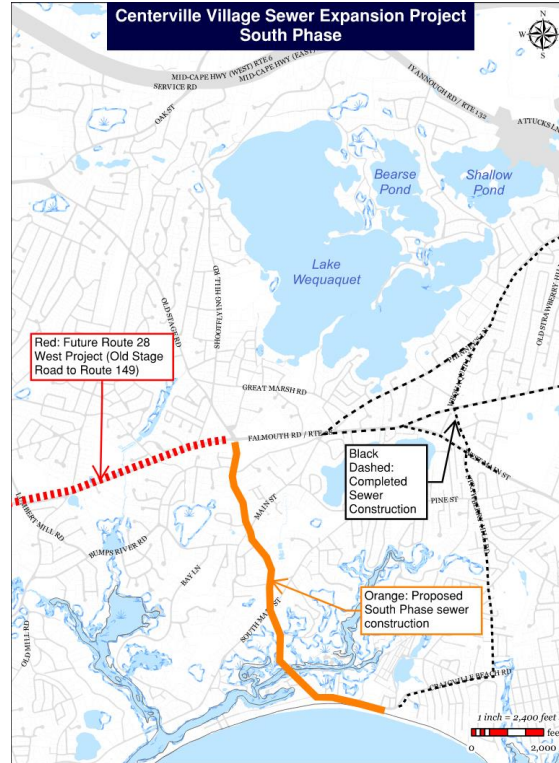
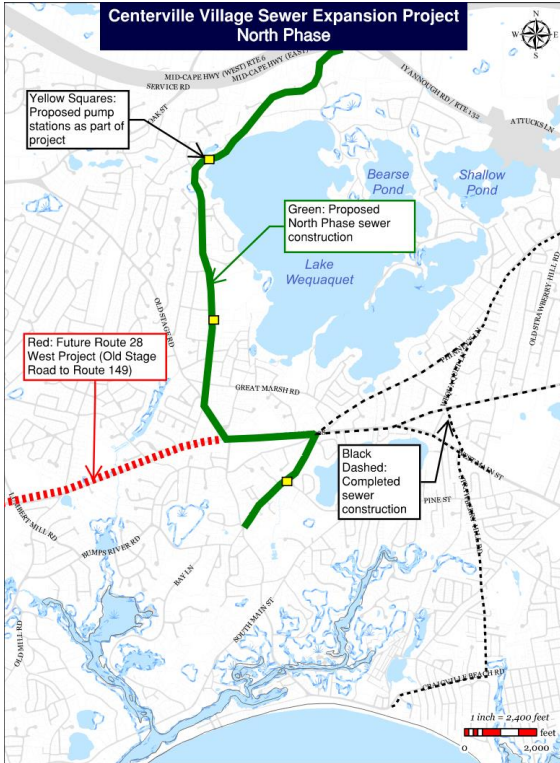
Project Closeout:

- West Main Street paving is complete
- Phinney's Lane paving
 - Section 1 (Route 28 to Strawberry Hill Road) has been completed
 - Section 2 (Strawberry Hill Road to Wequaquet Lane) to be scheduled this Fall
- Anticipate contractor submitting substantial completion within the next week
 - 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:

- Testing and start-up to take place throughout the summer

Centerville Village Sewer Expansion Project



North Phase:

- Bids opened on May 17, 2024
- C.C. Construction apparent low bidder at \$20,380,342.14
- Mother’s Park Pump Station and surrounding properties listed as a bid alternate due to pending Article 97 legislation
 - Cannot award full contract until completed
 - State Revolving Fund (SRF) extension of award date to October 1, 2024
- Property owner outreach and communications following bid award
 - Construction anticipated Fall 2024 with completion end of 2026

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
 - Removal of support of excavation complete
 - On-site work will continue through the summer season

In-Road Sewer Construction:

- Complete for the season
- In-road sewer construction to resume in Fall/Winter, to include:
 - Dumont Drive connection into pump station
 - South Street @ Sea Street connection
 - Sewer tie-ins on Main Street



In-road sewer excavation has concluded for the season

Water Pollution Control Facility

Solids Processing Facility Upgrades

- Continue to work through project punch list and closeout
- Anticipated completion end of July

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
- Remains in review with Massachusetts Department of Environmental Protection (MassDEP)
- The Town submitted a complete application in compliance with MassDEP's requirements and will respond to any feedback that MassDEP provides

Water Quality

Cyanobacteria Monitoring Program

- Seasonal sampling in progress
- As of Tuesday, June 25, 2024, there is one water quality alert posting
 - Lovells Pond – Pet Advisory
- 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/>

Embayment Water Quality Monitoring Program

- Estuary sampling starts July 10th
- Barnstable Harbor, Lewis Bay, Centerville River, Halls Creek and Three Bays
- Samples are sent to UMass Dartmouth School for Marine Science & Technology (SMAST)
- Data is reported annually to the Association to Preserve Cape Cod (APCC)
- Included within CWMP Annual Report and sent to the Cape Cod Commission in compliance with 208 Plan Consistency Determination

