

# **WATER RESOURCES** **Management Update**

**Barnstable Town Council**  
**January 29, 2026**

Town of Barnstable  
Department of Public Works



**BARNSTABLE**  
Water Resources



# CWMP Sewer Connections

as of January 26, 2026

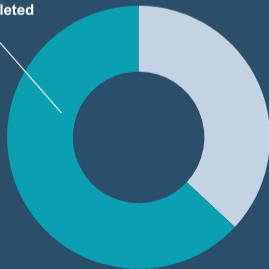
Sewer connections have become available in 'rounds' and were staggered as a result of specific properties relying on the Phinney's Lane Pump Station to convey wastewater to the Water Pollution Control Facility. This chart shows connection totals by both the project in which properties are associated with, as well as the 'round' in which property owners were notified of their connection eligibility and deadline. Compliance is managed by the Barnstable Health Division and Board of Health; extension requests are available and if granted will have an effect on total completion percentages.

## Total Completed Sewer Connections

# 69%

As of this report, 222 parcels have connected to the newly expanded municipal sewer system.

222  
connections  
completed

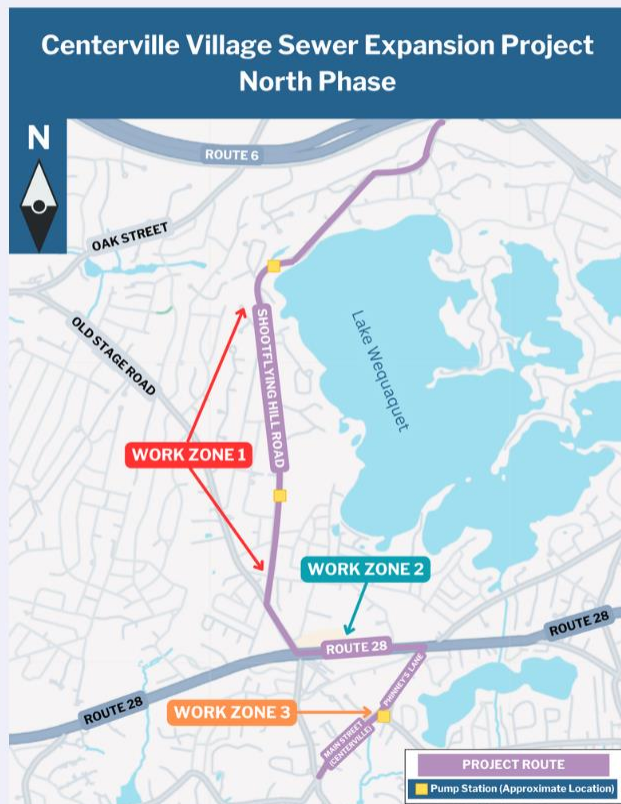


Project	Pre-CWMP 20 Parcels	Round 1 (Summer 2024) 146 Parcels	Round 2 (Fall 2024) 5 Parcels	Round 3 (Winter 2025) 153 Parcels	TOTAL 324 Parcels
Strawberry Hill Road		108	3	45	156
Route 28 East		---	---	54	54
Hyannis Ave (Private Sewer Extension)*	11	---	---	---	11
Maywood Ave (Private Sewer Extension)*	1	---	---	---	1
PERCENT COMPLETE		74%	60%	64%	69% (222)

\*Privately funded & constructed sewer extension projects; do not have 6-mo connection deadlines.



# Centerville Village Sewer Expansion - North Phase



**Status: Active Construction**

**Anticipated Completion: Spring 2027**

## **Work Zone 1: Shootflying Hill Road**

- Work hours: Monday - Friday, 7:00AM - 5:00PM
- Requires Shootflying Hill Road, from Service Road to Great Marsh Road, to be closed.
- Crew currently installing sewer between Wequaquet Lake Boat Ramp and Tern Lane.

## **Work Zone 2: Route 28, from Pinney's Lane to Old Stage Road**

- Overnight work on Route 28 is paused as a result of the planned seasonal closure of local asphalt plant(s).

## **Work Zone 3: Mother's Park & Pinney's Lane, from Route 28 to Main Street**

- Mother's Park Pump Station construction includes the realignment of the intersection, discontinuation of Mother's Park Road, and extension of park's green space.
- Construction will occur in phases:
  - Crews currently working within vicinity of Mother's Park as well as installing critical infrastructure within the intersection of Old Post Road and Pinney's Lane.
  - Work hours: Monday - Friday, 7:00AM - 5:00PM
  - Requires adjacent road closures:
    - A portion of Pinney's Lane, from Route 28 to Main Street
    - A portion of Main Street, Centerville, from Old Stage Road to Pine Street



# Route 28 West Sewer Expansion



**Status: Pre-Construction**

**Anticipated Start: February 2026**

- Identified as a key goal within Phase 1 of the Town's CWMP.
- Will act as the backbone for westward expansion of the municipal sewer system, providing the infrastructure needed to reach the most critically impaired Three Bays.
- Construction contract awarded to Robert B. Our Compny, Inc.
- Construction schedule in development.

## Planned Pre-Construction Activities

- Pump Station site preparation anticipated to begin next week due to weather
  - Tree clearing, material delivery, and preparation of the following pump station sites:
    - 418 Bumps River Road, Osterville (Cape Cod Collaborative School property)
    - 2095 Main Street, Marstons Mills (Route 28 side of the former Marstons Mills Elementary School property)
    - Across from the intersection of Concord Lane and Osterville-West Barnstable Road
- Neighborhood letters mailed and on-going coordination with Cape Cod Collaborative

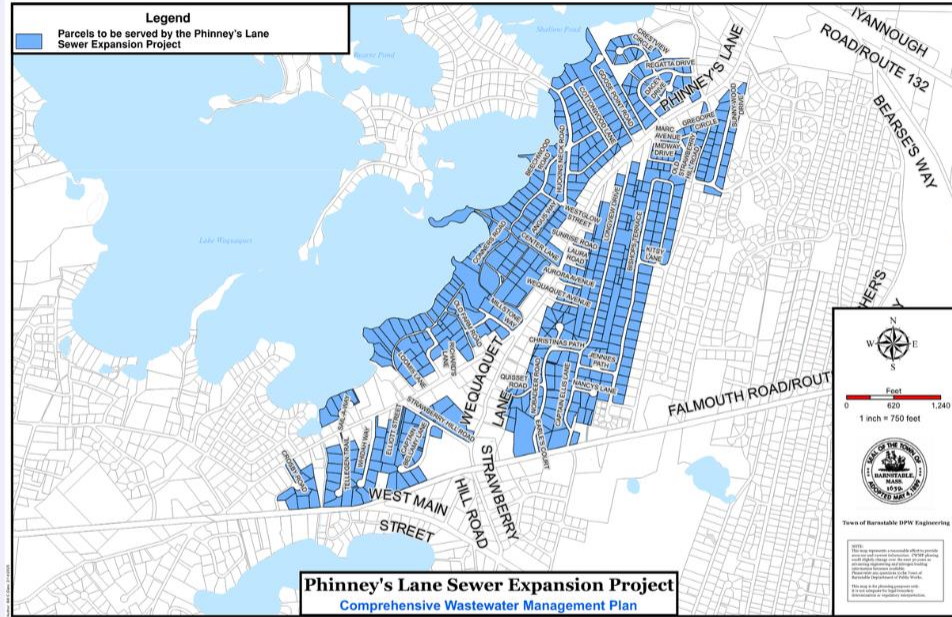
## Project Information

- Reminder: Public Informational Meeting summary and recording is available on Barnstable Water Resources: [barnstablewaterresources.com/route-28-west-sewer-expansion-project-public-information-meeting-recap/](https://barnstablewaterresources.com/route-28-west-sewer-expansion-project-public-information-meeting-recap/)





# Phinney's Lane Neighborhoods Sewer Expansion



**Status: Final Design**

**Anticipated Start: Fall 2026**

- Will expand sewer into the residential neighborhoods on the east and west side of Phinney's Lane, which will tie into the sewer infrastructure constructed along Phinney's Lane as part of the Strawberry Hill Road and Route 28 East projects.
- Anticipated to sewer +/- 580 properties.
- Final design contract awarded to Weston & Sampson.
- 90% design plans anticipated in February.

## Next Steps

- Finalize design and host public informational meeting
  - Targeting late Winter 2026.
  - Will include public meeting notice and formal communication to all property owners identified to receive sewer as part of this project.
- Prepare project for public bid
  - Anticipate advertising construction contract in Spring 2026.





# CWMP Ad Hoc Committee

**Next Meeting: Monday, February 2, 2026 at 5:00 PM**

- Established by Town Council in September 2024 to support the development of the Town's first Five-Year Adaptive Management Update by reviewing implementation progress and providing informed recommendations in coordination with DPW staff.
- The Committee includes Town Councilors and citizen volunteers with expertise in water quality, hydrology, public health, environmental science, and community planning, and has met publicly sixteen times in compliance with the Open Meeting Law.
  - Resources, agendas, and meeting recordings available at:  
[barnstablewaterresources.com/ad-hoc-committee/](https://barnstablewaterresources.com/ad-hoc-committee/)
- Discussions have centered on how emerging technologies may inform refinements to implementation.
- Major area of focus has been evaluating the performance and potential role of innovative and alternative septic systems, including Best Available Nitrogen Reducing Technologies (BANRT), as a complementary tool where sewerage may be less feasible or not immediately available.
  - The Committee is actively working with the Health leadership to explore potential policies that would allow for strategic, appropriate use of I/A systems while maintaining public health protections and alignment with CWMP goals.
  - Committee anticipates bringing recommendations to Town Council over the coming months.





# Ongoing Treatment Plant Construction Projects

## Nitrogen Removal and Headworks Improvements Project

### Wastewater Treatment Plant - Water Pollution Control Facility (WPCF)

- This work will reduce the average effluent concentration of nitrogen from the facility's current 6 milligrams per liter +/- to an average concentration of 3 milligrams per liter or less.
- This reduction of nitrogen concentration in plant effluent will reduce the total nitrogen load to the Lewis Bay Watershed.
- Additionally, the four stage Bardenpho process, followed by the Membrane Bioreactor being installed, will result in a very high-quality treated effluent, which enables opportunities for additional treatment processes to be considered as part of future work.



Aerial rendering video available at: <https://bit.ly/WPCFRendering>

## Straightway Water Treatment Facility Project

### Water Supply Division - Hyannis Water System (HWS)

- The new facility will provide the ability to maximize the permitted capacity of HWS
- Restore the amount of water that the wells can supply to permitted capacity
- Allow the water treatment facility to operate year-round
- Improve the water treatment process to further improve water quality
- Protect the wells and buildings from flooding
- Improve overall system resiliency.

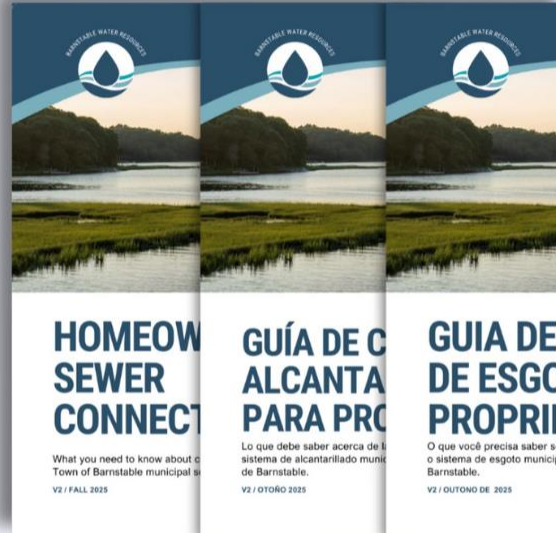
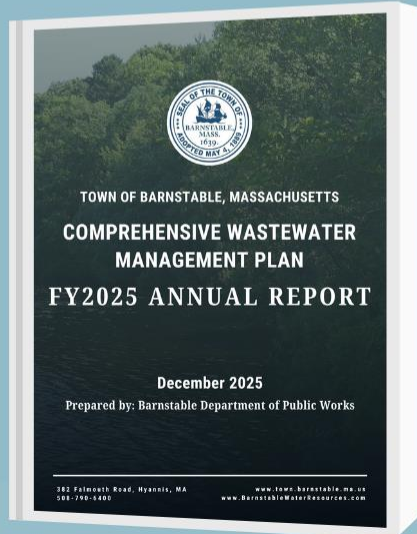


# Recent Communications Efforts

## FY2025 CWMP ANNUAL REPORT

WATER QUALITY DATA SUBMITTED TO THE  
CAPE COD COMMISSION FOR INCLUSION IN  
THE CAPE COD WATER QUALITY DATA PORTAL

Download the Annual Report from  
[BarnstableWaterResources.com](https://BarnstableWaterResources.com):



Homeowner's Sewer Connection  
Guide now available in Spanish  
and Portuguese (Brazilian)



FY2025 Year in Review email  
newsletter sent highlighting  
Barnstable's CWMP progress







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