

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

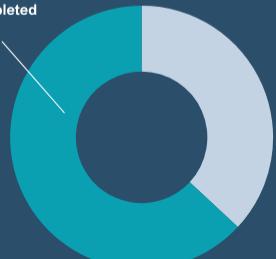
Sewer connections have become available in 'rounds' and were staggered as a result of specific properties relying on the Phinney's Lane Pump Station to convey wastewater to the Water Pollution Control Facility. This chart shows connection totals by both the project in which properties are associated 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



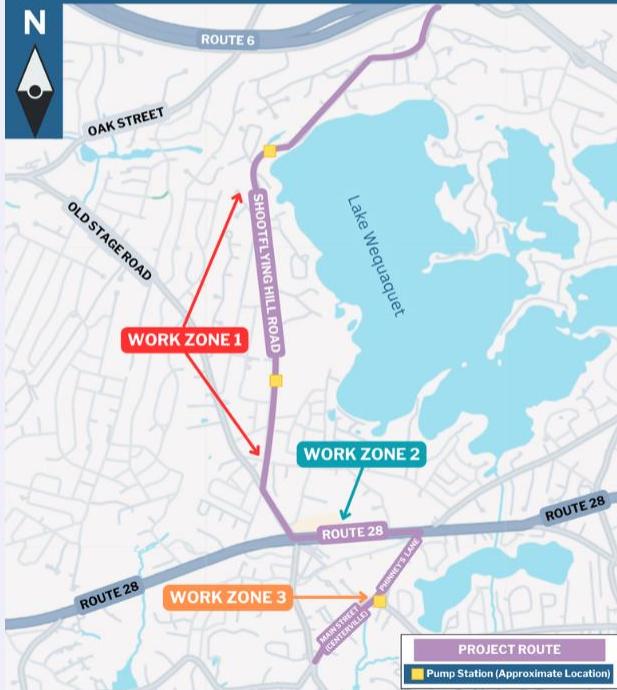
Project	Pre-CWMP 20 Parcels	Round 1 (Summer 2024) 146 Parcels	Round 2 (Fall 2024) 5 Parcels	Round 3 (Winter 2025) 153 Parcels	TOTAL 324 Parcels
Strawberry Hill Road		108	3	45	156
Route 28 East		--	--	54	54
Hyannis Ave (Private Sewer Extension)*	11	--	--	--	11
Maywood Ave (Private Sewer Extension)*	1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

Centerville Village Sewer Expansion Project 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 Phinney'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 & Phinney'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 Phinney's Lane.
 - Work hours: Monday - Friday, 7:00AM - 5:00PM
 - Requires adjacent road closures:
 - A portion of Phinney'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 Company, Inc.
- Construction schedule in development.

Planned Pre-Construction Activities

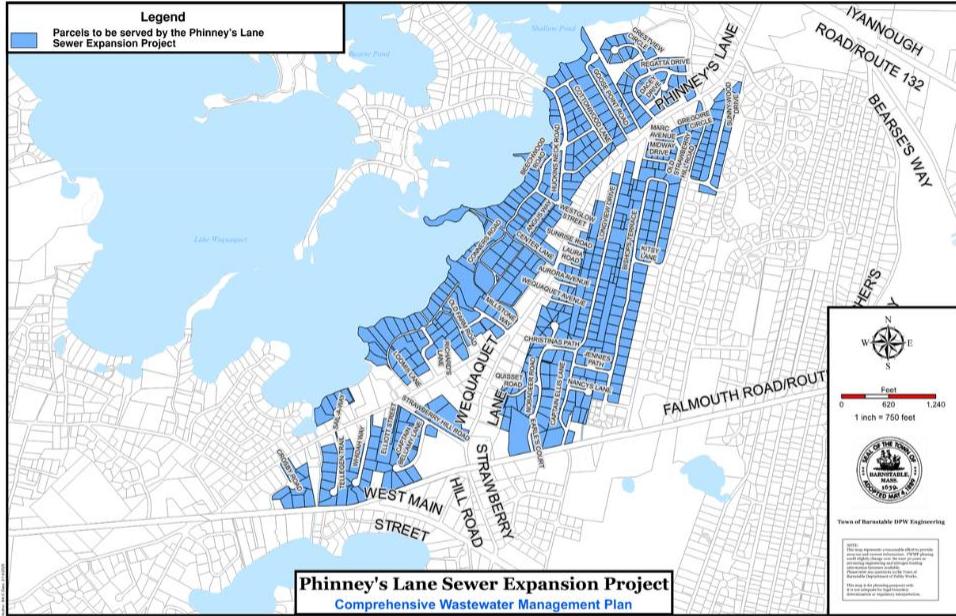
- Pump Station site preparation anticipated to begin next week due to weather
 - Tree clearing, material delivery, and preparation of the following pump station sites:
 - 418 Bumps River Road, Osterville (Cape Cod Collaborative School property)
 - 2095 Main Street, Marstons Mills (Route 28 side of the 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/



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/
- 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.

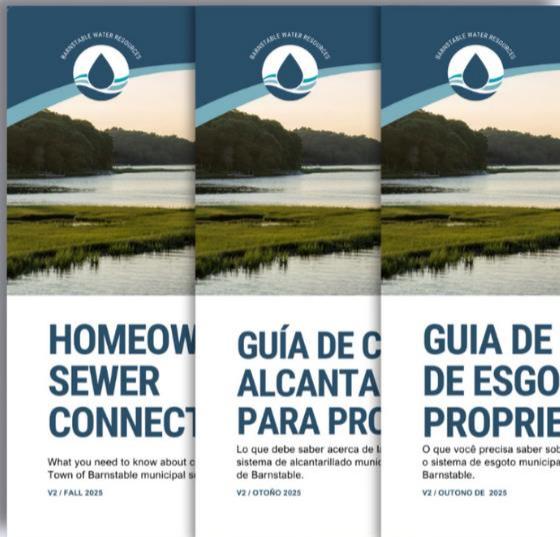
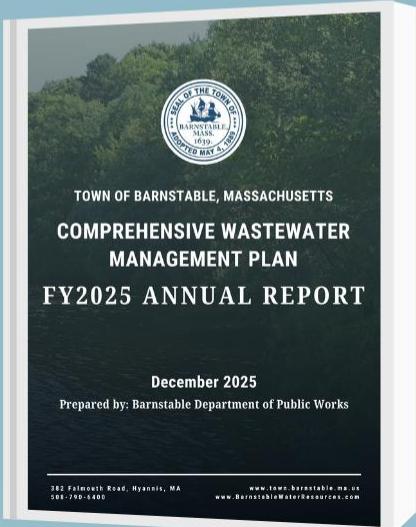


Recent Communications Efforts

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:



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

OVER \$66 MILLION APPROPRIATED

for CWMP projects, including \$46.5 million in construction funds for the Phinney's Lane Neighborhoods Sewer Expansion Project, which is anticipated to sewer approximately 580 properties.



158 NEW SEWER CONNECTIONS

(in FY2025) as a result of completed CWMP sewer expansion projects. Recently connected properties are directly helping to remove nitrogen from the Centerville River Watershed.

1,400+ WATER QUALITY DATA POINTS

collected across identified freshwater and embayment monitoring locations within the Town of Barnstable. All of which are shared with the Cape Cod Commission for incorporation within the Cape Cod Water Quality Data Portal.

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





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