

Water Resources Management Update

Barnstable Town Council

August 15, 2024

Town Hall Hearing Room



Town of Barnstable
Department of Public Works



Watershed Permit Status

- The final Watershed Permit Regulations (314 CMR 21.00), and Title 5 Natural Resource Nitrogen Sensitive Area Regulations (“NSA”) (310 CMR 15.214 and 15.215) went into effect on July 7, 2023.
- On September 1, 2023, the Town of Barnstable submitted its application for a Watershed Permit.
 - Barnstable was the first community on Cape Cod to submit its Watershed Application, per the new regulations.
 - As of the date of this report, we remain the only community, with neighboring communities having only submitted their Notice of Intent (NOI).
- Our application included the request for a Watershed Permit **covering the entire Town of Barnstable**, and with the request to remain on the previously **approved 30-year implementation schedule**.
- As of August 1, 2024, MassDEP formally notified the Town that our application has completed the administrative review process and is currently undergoing technical review.

Strawberry Hill Road Sewer Expansion Project

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

Strawberry Hill Road
Sewer Expansion Project
(Green)

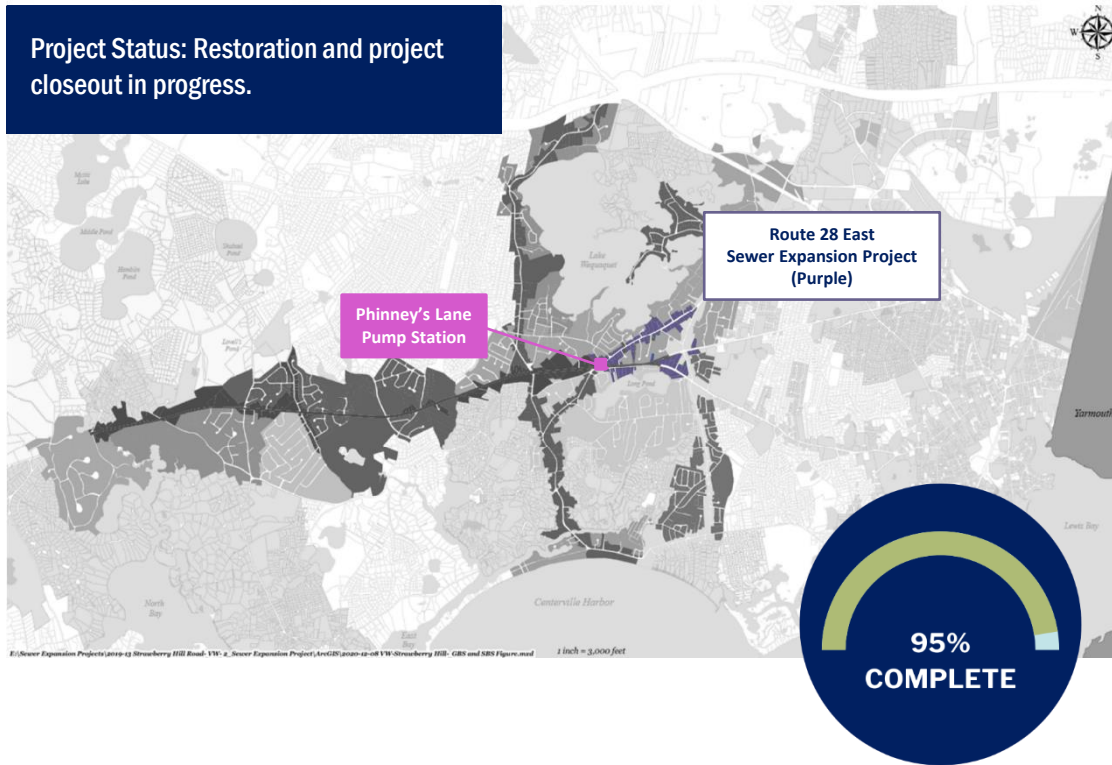
COMPLETE
CONNECTIONS
AVAILABLE

Status: Project Closeout

- Construction completed on schedule and on budget
- Paving restoration along the project route is complete
- Contractor is working through remaining project punch list items
- First connections for a portion of the project route have commenced
 - 151 parcels (220 individual dwelling units) eligible for connection
 - Includes: portions of Craigville Beach Road, Strawberry Hill Road, West Main Street, Wequaquet Lane, and Phinney's Lane
 - As of the date of this report, 7 residential connections have been completed
 - Feedback from private contractors has indicated heavy bookings for the month of September

Route 28 East Sewer Expansion Project

Project Status: Restoration and project closeout in progress.



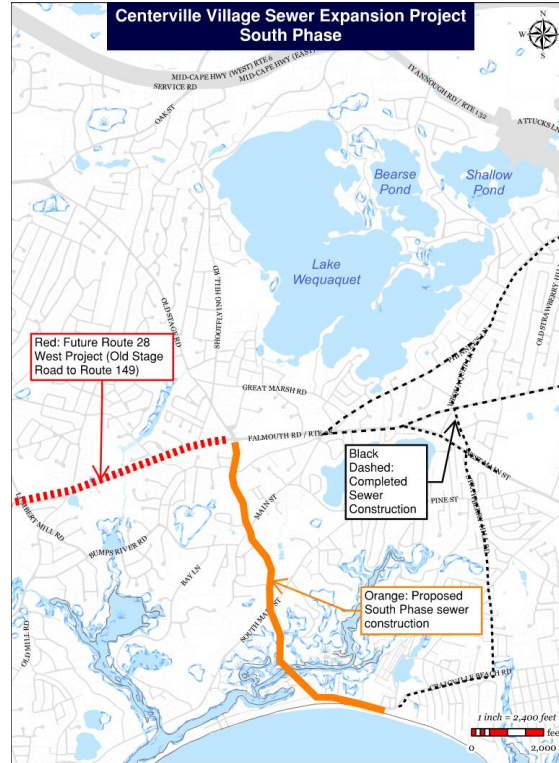
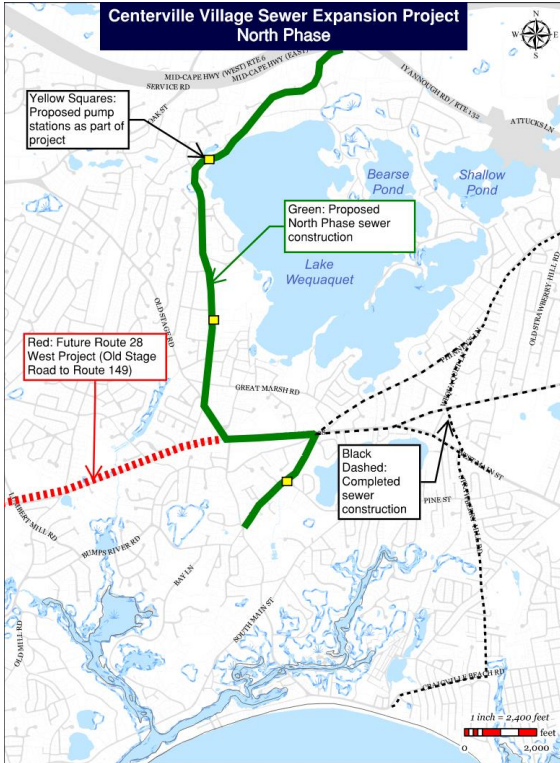
Status: Project Closeout

- Paving remainder of Phinney's Lane (Strawberry Hill Road to Wequaquet Lane)
 - Monday, August 19 – Friday, August 23
 - From 8:00AM – 4:00PM
 - Will require closure of this section of roadway
 - Media release and property owner notifications in progress
- 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 on-going throughout the summer

Centerville Village Sewer Expansion Project



North Phase:

- Bids opened on May 17, 2024
- C.C. Construction apparent low bidder
- Mother's Park Pump Station and surrounding properties listed as a bid alternate
 - Governor signed the Article 97 legislation into law; awaiting probate and Army Corps approval
 - 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
- Construction tentatively anticipated for 2025

Notice of Project Change: Downtown Hyannis and Marks Path

- **Updated Notice of Project Change (NPC) filed with MEPA on July 25, 2024 (EEA File Number 16148)**
- **Proposes adding 57 parcels within downtown Hyannis that are adjacent to the existing collection system**
 - Specifically in densely developed sections of downtown; their inclusion in the plan was overlooked at the time of the development of the CWMP
 - Includes the proposed sewer pump station at 268 Stevens Street which will support the sewerage of the additional parcels in this area
 - In 2023, Barnstable Planning and Development applied for and received a state grant to fund the installation of this pump station
 - The installation of this pump station is necessary for the proposed Housing Assistance Corporation (HAC) housing project at 268 Stevens Street
- **Proposes adding 8 parcels on Marks Path in Hyannis in order to accommodate the replacement of the Marks Path sewer pump station**
 - Recent evaluation of the Marks Path pump station determined that the station is at the end of its useful life and does not have capacity to accept additional flow
 - The Phinney's Lane Sewer Expansion Project will also direct additional flow to the Marks Path pump station
 - Evaluation of alternatives for replacement of the station have identified the best technical option as installing new sewers down Marks Path which will convey the flow to a proposed replacement station on Town property at 767 Falmouth Road
 - The Town and its consultant have commenced initial public outreach to garner neighborhood feedback, in anticipation of the NPC approval

CWMP Communications

CWMP Annual Report

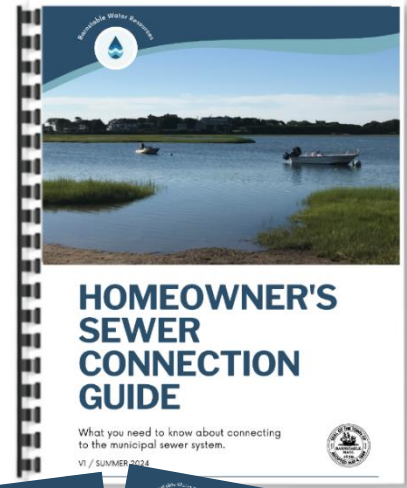
- In final review To be delivered to the Cape Cod Commission, per 208 Plan Consistency Determination
- To be posted to Reports & Documents page of Barnstable Water Resources: <https://barnstablewaterresources.com/reports-documents/>

Sewer Connection Process Document

- Portuguese and Spanish translations complete
- Available on Reports & Documents page of Barnstable Water Resources: <https://barnstablewaterresources.com/reports-documents/>

Homeowner's Sewer Connection Guide

- Digital version available on Reports & Documents page of Barnstable Water Resources: <https://barnstablewaterresources.com/reports-documents/>
- **Printed hard copies have arrived!** Distribution plan includes:
 - Town Hall; Health Division Office, Barnstable Adult Community Center; Centerville/Hyannis/Osterville libraries; Hyannis Youth & Community Center
 - Discussing distribution partnerships with local Chambers and businesses



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 advancing above grade, initial pour complete
 - On-site work will continue through the summer season

In-Road Sewer Construction:

- Complete for the season
- In-road sewer construction to resume this Fall (tentatively October), to include:
 - Dumont Drive connection into pump station
 - South Street @ Sea Street connection
 - Sewer tie-ins on Main Street



725 Main Street Pump Station Site
August 2024



Water Pollution Control Facility

Solids Processing Facility Upgrades

- Substantial completion issued on July 10, 2024
- Contract extended to August 31, 2024, to continue working through project punch list and closeout

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
- 60% design drawings anticipated by the end of August
- 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

Straightway & Hyannisport Water Treatment Facilities Improvements

Project Purpose

- Maximize the permitted capacity of the Hyannis Water System
- Increase the amount of water that the wells can supply
- 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

Project Status & Next Steps

- Public outreach process has commenced
 - Includes mailings to abutters within 1-mile buffer of the project area
 - Public informational meeting held on August 6, 2024; included translation services
 - All materials have been available in English, Spanish, and Portuguese
 - Project page available on Town of Barnstable website, under DPW > Water Supply:
<https://townofbarnstable.us/Departments/watersupply/Straightway-Water-Treatment-Plant.asp>
- Next steps:
 - August 2024: 60% design in progress
 - September 2024: Filing Environmental Notification Form / Environmental Impact Report with public comment period
 - Fall 2024 – Winter 2025: Final design and permit approvals
 - Spring – Summer 2025: Bidding and contract award
 - Fall 2025: Anticipated construction start; approximately 2-year duration

