

Water Resources Management Update

Barnstable Town Council

February 27, 2025
Town Hall Hearing Room



Town of Barnstable
Department of Public Works



Sewer Connections Status

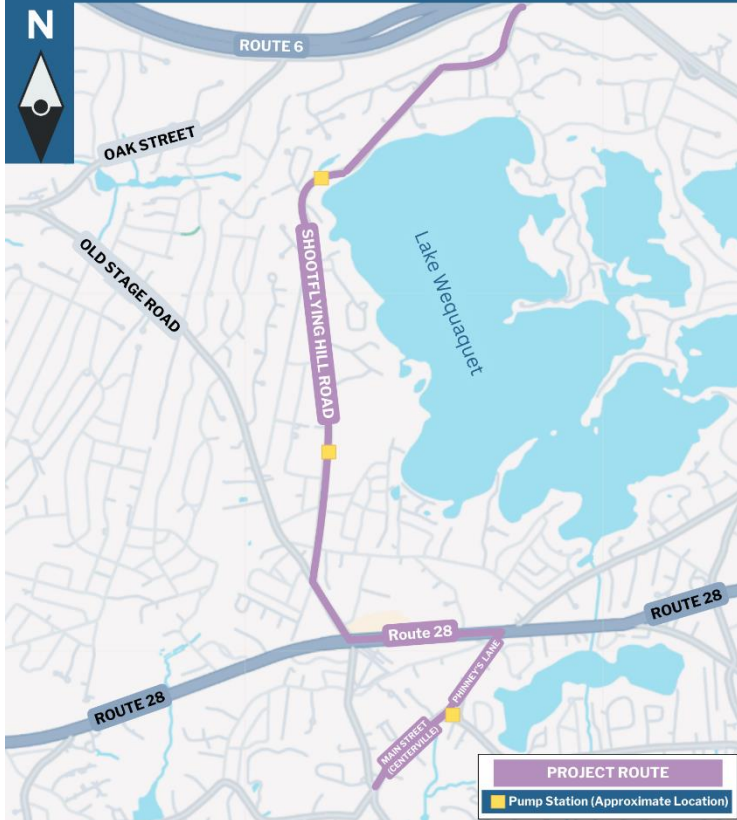
Name	Project Status	Available Connections	Completed Connections	Percent Connected	Active Permits
Stewart's Creek ⁺	Completed	227	193	85.0%	0
Hyannis Avenue [§]	Completed	17	11	64.7%	1
Strawberry Hill Road	Closeout	151	72	47.7%	14
Route 28 East [*]	Closeout	154	-	-	-
TOTAL		549	276	65.8%	15

⁺Project completed prior to CWMP

[§]Privately funded project, benefiting the CWMP

^{*}DPW Project closeout notification distributed on 12/27/24, Health Division Notice to Hook-Up in progress. Includes remaining properties identified within Strawberry Hill Road Sewer Expansion Project that were reliant on the Phinney's Lane Pump Station for connection.

Centerville Village Sewer Expansion Project North Phase



Centerville Village Sewer Expansion Project North Phase

Status: Construction Startup

- Project Notification Outreach: Began September 2024
- Sewer Installation: March 3, 2025
- Estimated Completion: Spring 2027



Upcoming Roadwork

- **Sewer Installation**
 - **Anticipated to commence Monday, March 3, 2025**
 - Shootflying Hill Road (vicinity of 944)
 - Will require road closure during construction hours, 7:00AM – 4:00PM
 - Public outreach includes variable messaging boards, in-road signage, media releases, mobile app, social media, Barnstable e-News, print mailer to properties along project route and auxiliary neighborhoods
 - Completed 3rd round of Sewer Connection Form notifications
- **Mother's Park Startup**
 - **Anticipated to commence mid-March**
 - First phase of work includes: site clearing, utility disconnections, filling
 - Work will occur within the vicinity of the new intersection realignment of Main Street/Phinney's Lane/North Main Street
 - Single-lane alternating traffic pattern dependent on the activity

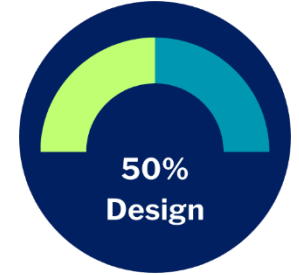
Centerville Village Sewer Expansion Project South Phase



Centerville Village Sewer Expansion Project South Phase

Status: In Design

- Consultant addressing Town comments on 50% design plans
- Tentative Construction: Fall 2025



Project Route

- Old Stage Road, from Old Post Road to Main Street
- The bulk of Main Street, Centerville
- A portion of Craigville Beach Road

Public Outreach

- Anticipate hosting a public information meeting to review status of design in Spring/Summer 2025
- Regular briefings with the Centerville Civic Association
 - February 10, 2025
 - April 14, 2025

Route 28 West Sewer Expansion Project



Route 28 West Sewer Expansion Project

Status: In Design

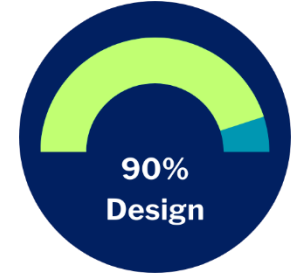
- Project Notification Outreach: Began January 2025
- Anticipated Construction: Fall 2025 - Spring 2028

Project Objectives

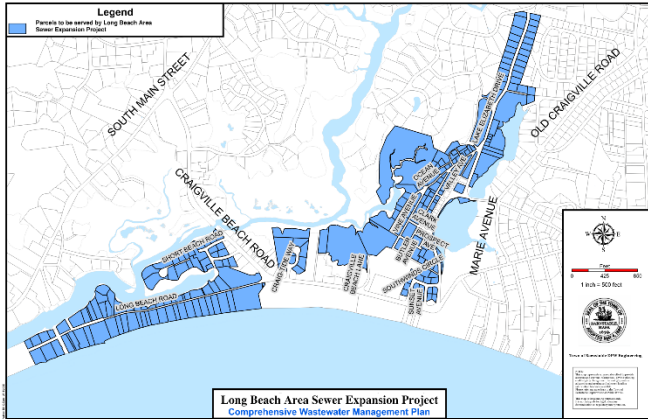
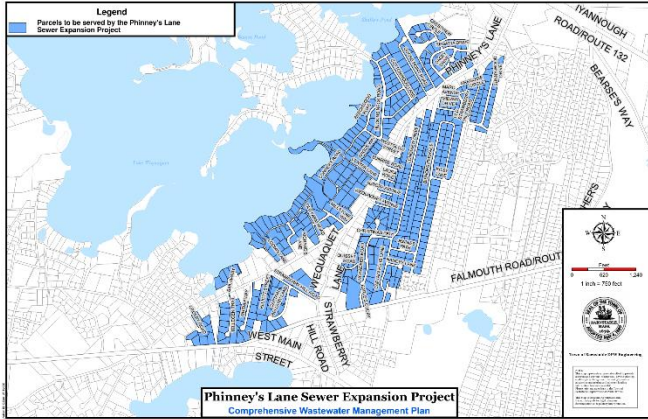
- To install critical infrastructure serving as the backbone of the sewer program
- To decommission and connect the existing Marstons Mills Wastewater Treatment Plant (MMWTP) to the newly expanded municipal collection system
- Without the infrastructure to be installed as part of this project, the Town could not achieve the regulatory requirements per the CWMP

Public Outreach

- Public Information Meeting held on Wednesday, February 5, 2025
 - Recording available via Barnstable Government Access and on Barnstable Water Resources: <https://barnstablewaterresources.com/route-28-west-sewer-expansion-project/>
- Conservation Commission Hearing for Oldham Road Pump Station held on Tuesday, February 18, 2025; abutter briefings ongoing
- Briefings with Barnstable School Committee and Cape Cod Collaborative
- Print outreach mailed to all property owners identified within project



Additional Sewer Expansion Projects In Design



Phinney's Lane Neighborhoods Project

- Final design awarded to Weston Sampson
- Construction anticipated to commence Fall 2026
- Field work to occur over the coming weeks
- Notification mailed to all property owners identified within project (2/18/25)

Long Beach Area Project

- Preliminary design complete; preparing RFP for final design
- Construction anticipated to commence in 2027
- Field work to occur over the coming weeks
- Notification mailed to all property owners identified within project (2/24/25)

Long Pond Area Project

- Preliminary design complete; preparing RFP for final design
- Construction anticipated to commence in 2027

Great Marsh Road/Shootflying Hill Road Neighborhoods Project

- 75% survey plan received and in review
- Construction anticipated to commence in 2028

Old Yarmouth Road Project

- Survey complete; preliminary design on-going
- Construction anticipated to commence in 2028

Old Craigville Road Project

- Survey complete; preliminary design on-going
- Construction anticipated to commence in 2030

CWMP Meetings & Outreach

The Academy for Lifelong Learning - Challenges to Clean Water on Cape Cod

- Wednesday, February 26, 2025 at 9:00AM
- Cape Cod Community College
- Overview of Barnstable's CWMP and water quality initiatives
- Learn more: <https://www.capecodall.org/>

Comprehensive Wastewater Management Plan Ad Hoc Committee

- Next Meeting: Tuesday, March 4, 2025 at 6:00PM
- Town Hall, Selectman's Conference Room, or watch live via Barnstable Government Access
- Featured speakers include Tom McKean, Director of Barnstable Health Division and Tom Lee, Chair of Barnstable Board of Health
- Will also include a presentation on funding the CWMP from Mark Milne, Director of Barnstable Finance Division
- Meeting agendas and presentation materials available on barnstablewaterresources.com/ad-hoc-committee/ and the Town of Barnstable website, within the CWMP Ad Hoc Committee Page

Understanding Barnstable's Sewer Expansion Plan

- Tuesday, April 8, 2025 at 1:30PM
- Barnstable Adult Community Center
- Will provide an update on the CWMP and sewer expansion, review the sewer connection process, and share financial resources
- This session **will be recorded** by Barnstable Government Access

Centerville Civic Association

- Monday, April 14, 2025 at 6:00PM
- Centerville Public Library
- Will provide a construction update regarding the Centerville Village Sewer Expansion – North Phase and Mother's Park Pump Station

720 Main Street Pump Station Replacement Project

Status: Under Construction

- Project remains on budget and on schedule
- Work hours: Monday – Friday, 7:00AM – 4:00PM
- Estimated completion: Spring 2025

In-Road Sewer Construction

- In-road work has resumed in the following locations:
 - Dumont Drive connection into pump station
 - South Street @ Sea Street connection
 - Sewer tie-ins on Main Street

Project Objectives:

- 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



Water Pollution Control Facility

Nitrogen Removal and Headworks Improvements Project

- **Status: In design, 90% design plans received, under review**
 - SRF Loan Application submitted
 - MBR Manufacturer Committee has recommended Veolia Zeeweed MBR
- Anticipated Construction Start: Fall 2025
- Estimated Completion: Spring 2028
- #1 ranked project in 2024 Clean Water Fund Intended Use Plan (IUP)

Effluent Disposal Evaluation

- **Status: Analysis in progress**
 - Water Reuse and Disposal Alternatives Analysis continues with consultant, CDM Smith
 - Hosting monthly meetings with MassDEP

Bearses Way Sewer Extension and Vacuum Sewer Removal Project

- **Status: Under Construction**
 - Coordinated in collaboration with MassDOT Bearses Way Shared Use Path Project
 - In-road construction continues
 - Requires road closure (Bearses Way, from Pitcher's Way to Enterprise Road)



Straightway & Hyannisport Water Treatment Facilities Improvements

Status: In Design

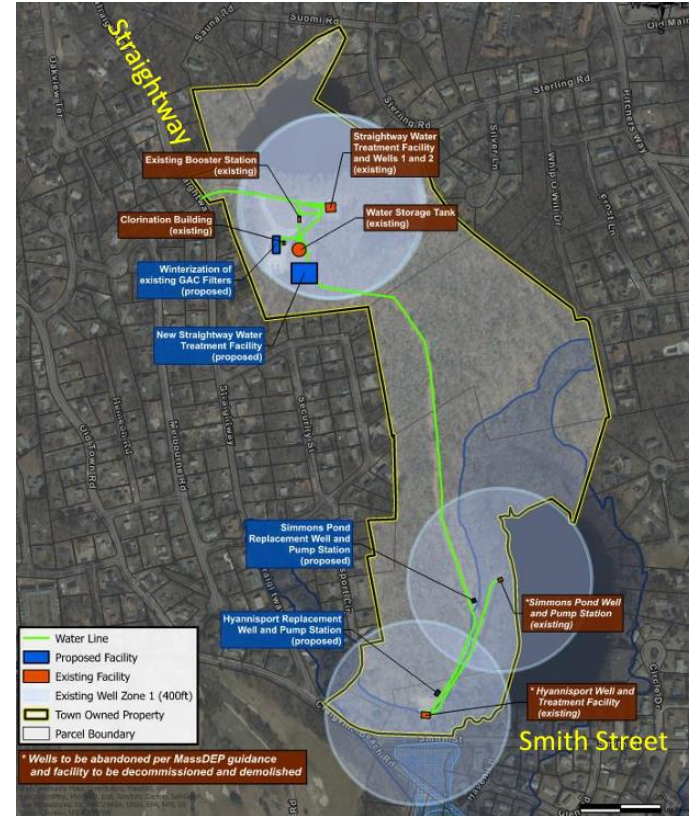
- SRF Loan Application submitted
- Fall 2024 – Winter 2025: Final design and permit approvals
- Spring – Summer 2025: Bidding and contract award
- Anticipated Construction: Fall 2025 (approx. 2-year duration)

Project Objectives

- Maximize the permitted capacity of the Hyannis Water System
- 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

Project Information

- Presentation of Cape Cod Commission, Thursday 1/20/25 at 3:00PM
- Project page available on Town of Barnstable website:
<https://townofbarnstable.us/Departments/watersupply/Straightway-Water-Treatment-Plant.asp>



Water Quality

Mill Pond Dam

- **Status: Notice of grant reward received on January 28, 2025**
- Preparing Town Council resolve for acceptance of technical services
- Grant from the Division of Ecological Restoration (DER) will provide the technical support to complete a study that will inform ongoing decision making about the long-term fate of the dam

Mill Pond Dredging Project

- **Status: Design and permitting**
- The Town is currently invested in improving nitrogen removal of Mill Pond through dredging of accumulated sediments and improving fish passage for river herring
 - Continuing efforts for design and permitting of the Mill Pond Dredging Project, which aims to remove roughly 30,000 cubic yards of accumulated sediments within Mill Pond to improve nitrogen attenuation
 - This project is identified as a non-traditional solution for nitrogen management in Barnstable's Comprehensive Wastewater Management Plan (CWMP)



Mill Pond, courtesy of Steve Heaslip/Cape Cod Times

