

Water Resources Management Update

Barnstable Town Council

March 20, 2025
Town Hall Hearing Room



Town of Barnstable
Department of Public Works



Sewer Connections Status

Week of March 20, 2025

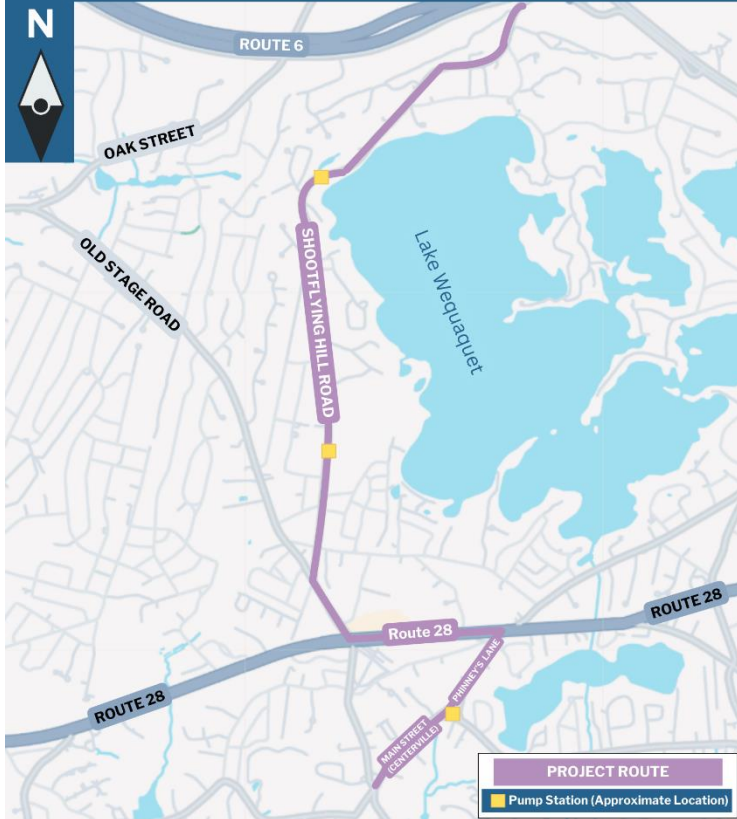
	Stewart's Creek ⁺	Hyannis Avenue [§]	Strawberry Hill Road	Route 28 East [*]
Project Status	Completed	Completed	Closeout	Closeout
Available Sewer Connections	227	17	151	154
Completed Connections	193	11	81	0
Percent Connected	85.0%	64.7%	53.6%	0%
Active Permits	0	1	33	10

⁺Project completed prior to CWMP.

[§]Privately funded project, benefiting the CWMP.

^{*}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



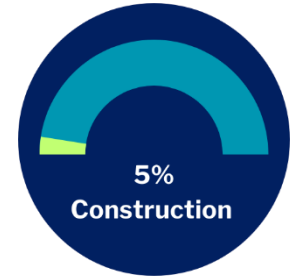
Centerville Village Sewer Expansion Project North Phase

Status: Active Construction

- Estimated Completion: Spring 2027

Upcoming Roadwork

- **Sewer Installation**
 - Began Monday, March 3, 2025
 - Currently located on Shootflying Hill Road
 - Requires road closure during construction hours, 7:00AM – 4:00PM
 - Public outreach began in September 2024; has included 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 Pump Station**
 - Delayed; anticipated to begin in early April
 - 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% sewer design plan
- Anticipated Construction: Fall 2025

Project Route

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

- 100% sewer design plan in review
- Anticipated Construction: Fall 2025 - Spring 2028
- #3 ranked project in 2024 State Revolving Fund Clean Water Intended Use Plan (IUP)

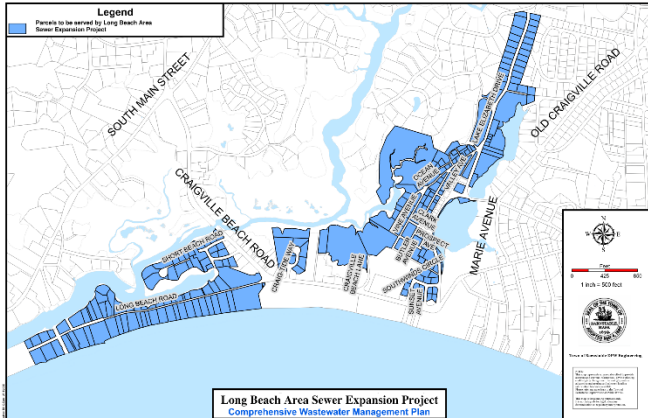
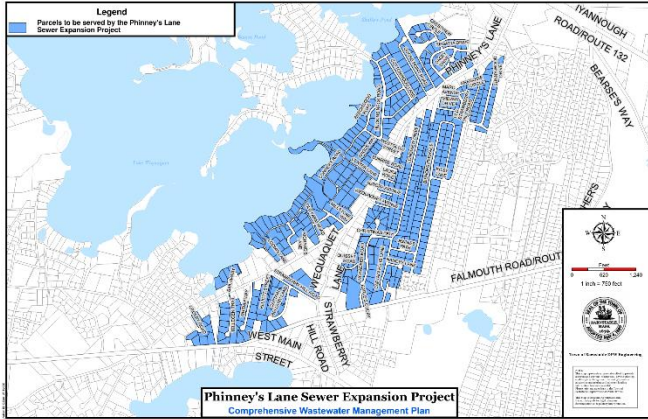
Project Objectives

- 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

- Project outreach began in January 2025
- 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 and soil borings in progress, to be completed in mid/late April
- Notification mailed to all property owners identified within project (2/18/25)

Long Beach Area Project

- Preliminary design complete
- Construction anticipated to commence in 2027
- Field work and soil borings in progress, to be completed in May
- Notification mailed to all property owners identified within project (2/24/25)

Long Pond Area Project

- Preliminary design complete; RFP for design services with Procurement
- Construction anticipated to commence in 2027

Great Marsh Road/Shootflying Hill Road Neighborhoods Project

- 75% survey plan received and in review, preliminary design on-going
- 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

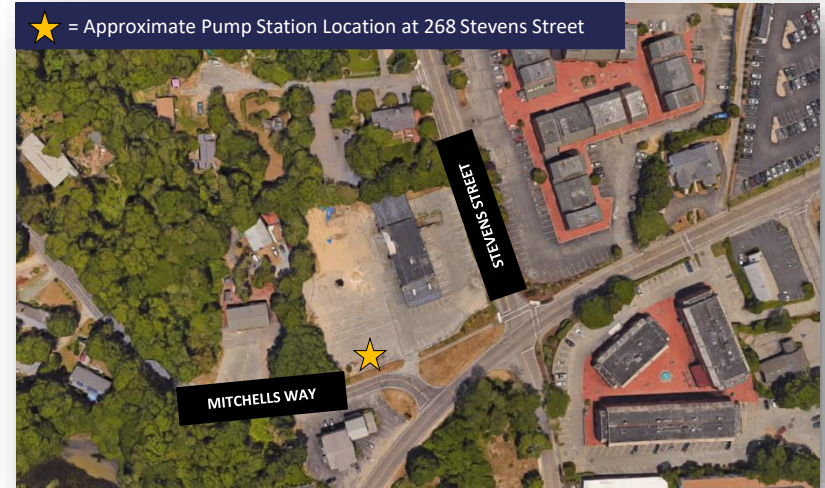
268 Stevens Street Pump Station

Status: Construction Contract Awarded

- Awarded to C.C. Construction, Inc.
- Construction anticipated to commence in April/May 2025
- Estimated completion: Fall 2027

Project Objectives & Background:

- Notice of Project Change (NOC) filed with MEPA in July 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
- 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



720 Main Street Pump Station Replacement Project

Status: Active Construction

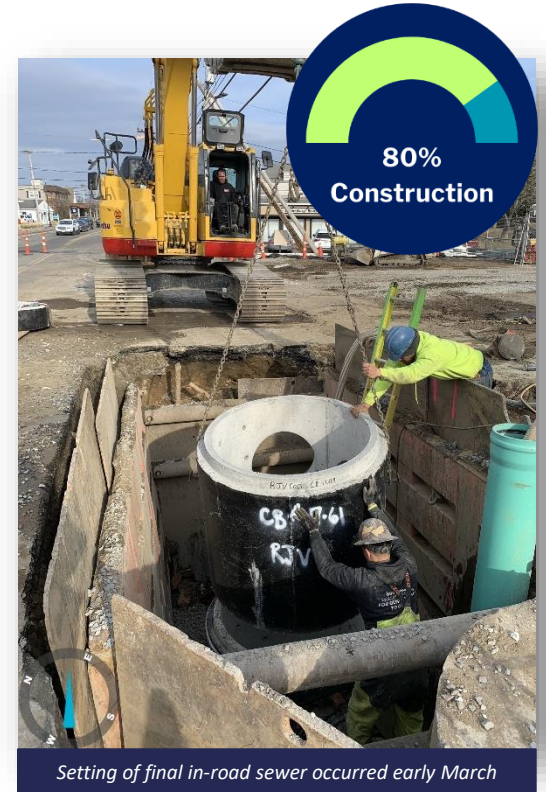
- Project remains on budget and on schedule
- Estimated completion: Fall 2025

Current Construction

- Work hours: Monday through Friday, 7:00AM – 4:00PM
 - In-road sewer construction is complete
 - Onsite utilities and SCADA programming in progress
- Substantial completion anticipated this Summer
 - Paving and restoration anticipated this Fall
 - Followed by decommissioning of pre-existing pump station located at 720 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

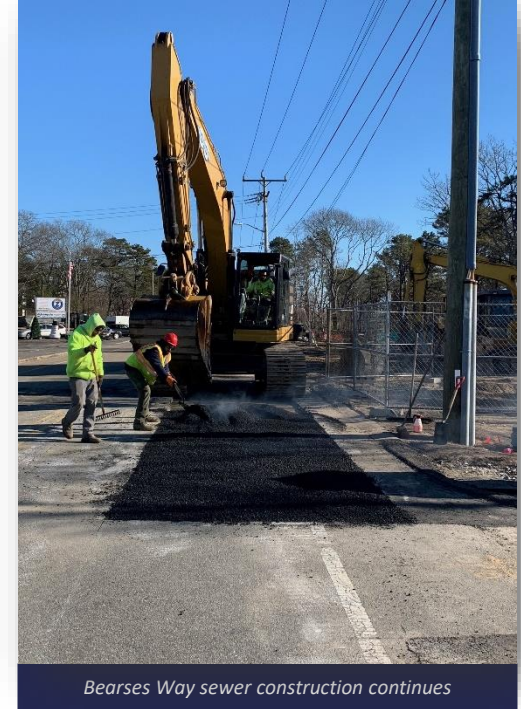
- **Status: In design, 90% design plans reviewed, Wright-Pierce proceeding to 100%**
 - #1 ranked project in 2024 State Revolving Fund Clean Water Intended Use Plan (IUP)
 - SRF Loan Application submitted
 - MBR Manufacturer Committee has recommended Veolia Zeeweed MBR
- Anticipated Construction: Fall 2025 – Spring 2028

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: Active Construction**
 - Coordinated in collaboration with MassDOT Bearses Way Shared Use Path Project
 - In-road construction continues
 - ~260 feet of gravity sewer installation remains; requires road closure (Bearses Way, from Pitcher's Way to Enterprise Road)
 - Horizontal Directional Drilling (HDD) operation anticipated for Bearses Way and Enterprise Road intersection late March/early April



Straightway & Hyannisport Water Treatment Facilities Improvements

Status: In Design

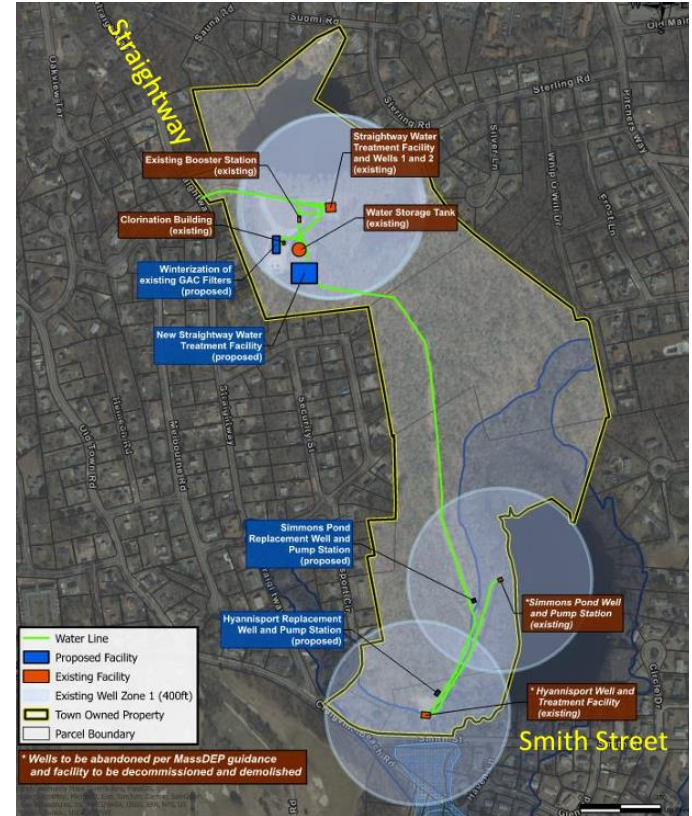
- SRF Loan Application submitted
- Fall 2024 – Winter 2025: Final design and permit approvals
- Spring – Summer 2025: Bidding and contract award
- Anticipated Construction: Fall 2025 (approx. 2-year duration)

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

Stormwater Improvements Projects: Clamshell Cove and Old Shore Road, Cotuit

- **Status: In Design**
- Natural Resources Conservation Service (NRCS) grant to fund drainage improvements to reduce stormwater
- Anticipate construction to be completed September through mid-October

Spring 2025 Cape Cod Pond and Lake Stewardship (P.A.L.S.)

Water Quality Monitoring

- **Sampling to commence in April**
- Provides an annual ‘snapshot’ of the Cape’s pond and lake water quality
- Collaborative effort involving: Town staff, Barnstable Clean Water Coalition and citizen volunteers

Call for Water Quality Monitoring Volunteers

- Estuary samplers needed for Barnstable Harbor, Lewis Bay, Centerville River, Halls Creek and Three Bays
- Email Brooke.Withers@town.barnstable.ma.us for more information

Water Quality Monitoring Volunteers Needed!

Join us in monitoring the water quality of Barnstable’s estuaries!

The Town of Barnstable is recruiting volunteers (and if they have one, their boat too) to be citizen scientists and join us on the water!

Every Summer the Town collects water samples in in Barnstable Harbor, Lewis Bay, Centerville River, Halls Creek, and 3-Bays.

These water samples provide important information about the health of our estuaries. In 2025, samplers will sample each estuary four times (mid-July – early September).

**Interested?
Contact me!**



Brooke.Withers@town.barnstable.ma.us

