



Water Resources Management Update

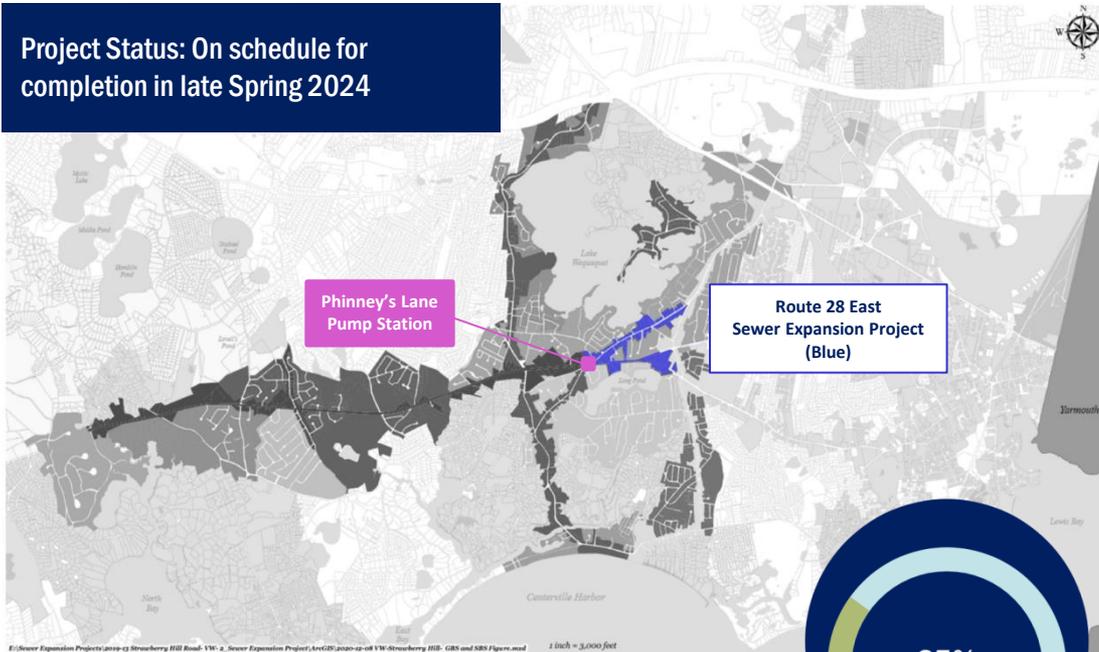
Barnstable Town Council

**Department of Public Works
April 27, 2023**



Route 28 East Sewer Expansion Project

Project Status: On schedule for completion in late Spring 2024



Sewer construction:

- Sewer construction within Route 28 continues
- A targeted portion of construction occurring during off-peak, overnight hours
 - 7:00PM – 6:00AM
 - Full detour of Route 28, from Phinney's Lane to Strawberry Hill Road, in place
 - Anticipate transitioning back to daytime operations week of 5/8/23
 - Individualized resident and business outreach occurring daily

Phinney's Lane Pump Station:

- Continuing concrete work for foundation and water tightness testing



Strawberry Hill Road Sewer Expansion Project

Project Status: Construction contract on schedule for completion Spring 2023

Strawberry Hill Road Sewer Expansion Project (Yellow)

95% COMPLETE

Sewer construction:

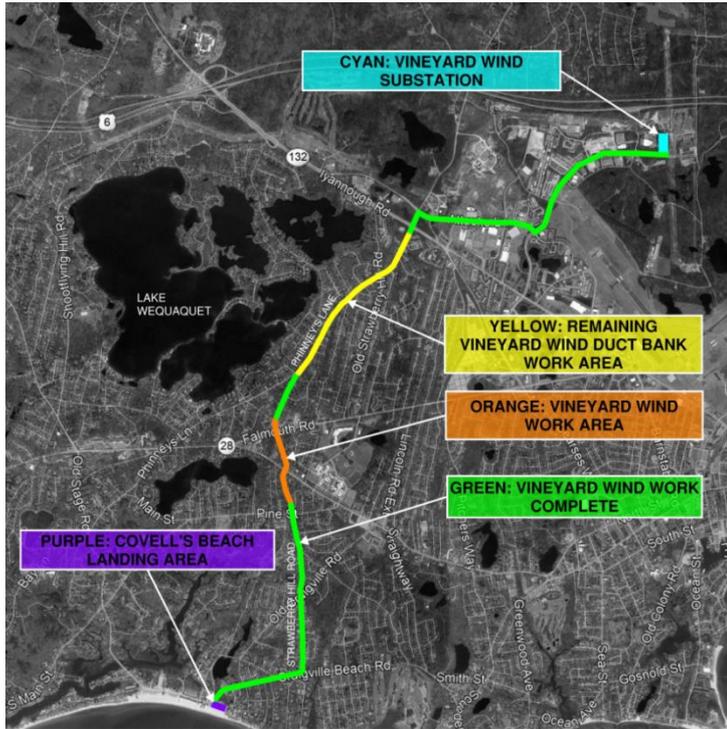
- Testing along the route is on-going
- Pump station work on-going

Sewer connectivity:

- Additional service lateral riser construction anticipated to begin Fall 2023
- Connection anticipated for Spring 2024



Vineyard Wind Project



Project Status: On schedule for completion Spring 2023

On-going construction:

- Duct bank installation along Pinney's Lane
 - Closure on Pinney's Lane from Old Strawberry Hill Road intersection to Strawberry Hill Road and Wequaquet Lane intersections
- Cable pulling and vault activity occurring within Pinney's Lane closure and in select locations south of Route 28
- Final restoration of Covell's Beach
 - Completed efforts: parking lot paving, parking spot line painting, beach shrub replanting, loaming
 - Final seeding anticipated in 2-3 weeks

Anticipated final paving schedule of disturbed roadways:

- Spring 2023:
 - Attucks Lane
 - Craigville Beach Road – striping complete, shoulder restoration
 - Strawberry Hill Road
- Fall 2023:
 - Pinney's Lane
 - Wequaquet Lane



Centerville Village Sewer Expansion Project

Project Status: Construction anticipated to commence in 2024

Centerville Village Sewer Expansion Project (Purple)

50%
of design
complete

Expedites roadways along proposed Park City Wind on-shore duct bank installation route

Project Details:

- Reviewing 50% design plan
- Continuing efforts to cite pump station locations and associated easement options

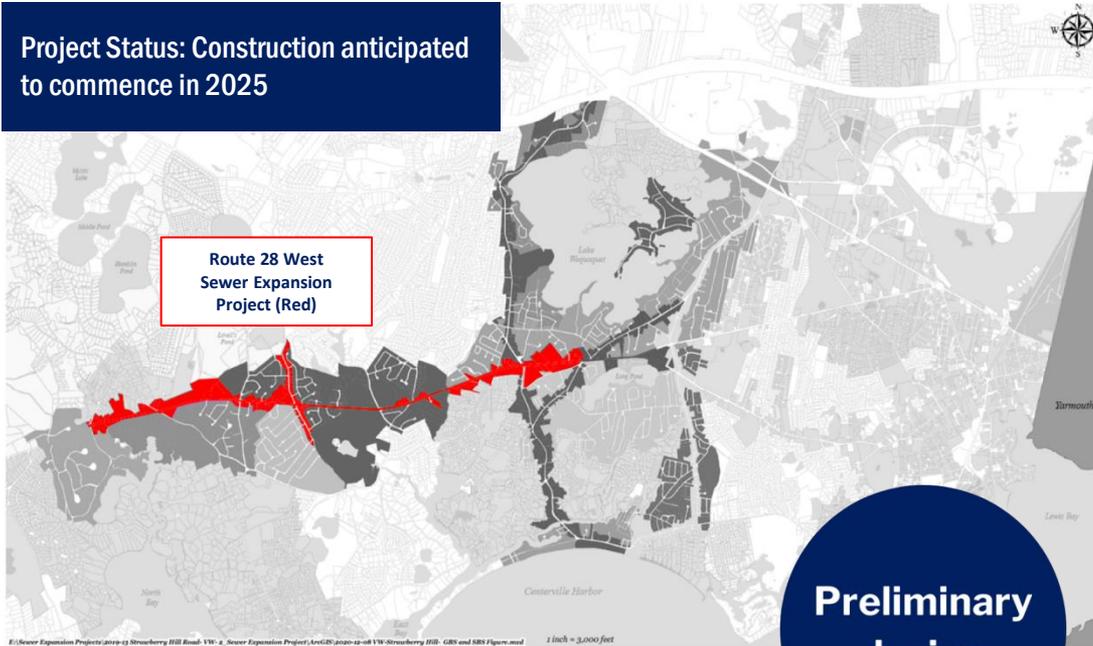
Outreach Efforts:

- Update on Sewer Expansion in Centerville Village Informational Meeting
 - Tuesday, 3/14/23, 6:00PM, Town Hall
- Main Street Centerville Roadway and Pedestrian Improvements Public Discussion,
 - Tuesday, 4/4/23, 6:00PM, Barnstable Adult Community Center
- Public Comment Period(s):
 - 5/1/23, Pedestrian & Roadway Improvements
 - 5/15/23, Mother's Park (Agenda Item 2023-179)



Route 28 West Sewer Expansion Project

Project Status: Construction anticipated to commence in 2025



Preliminary design

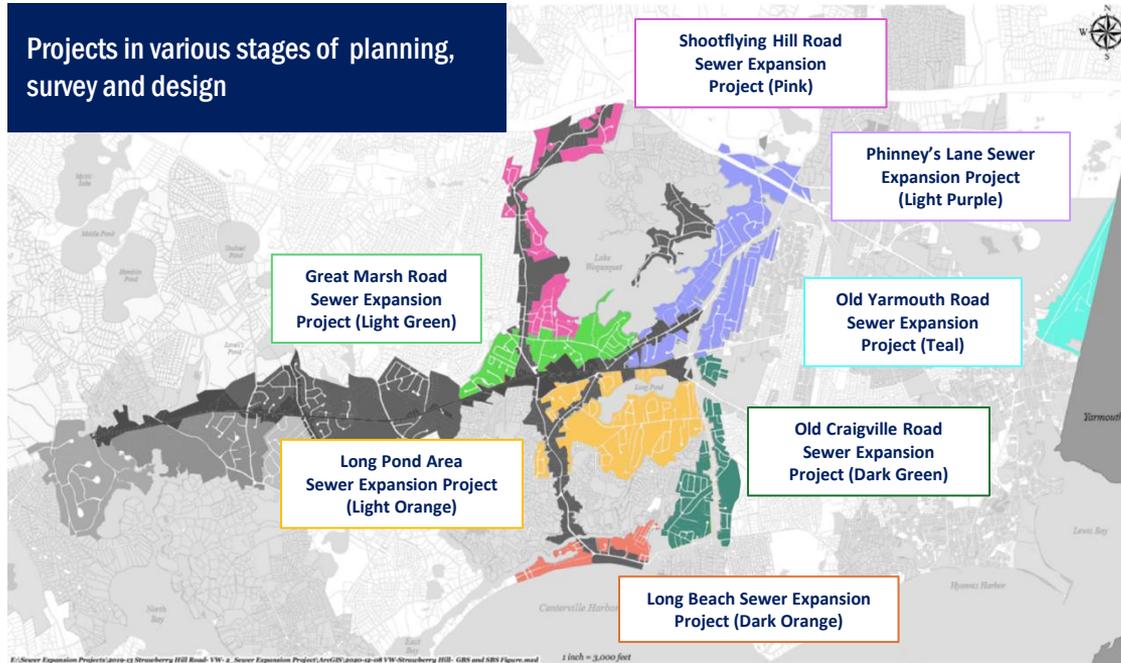
Extends sewer on Route 28 from Phinney's Lane to Route 149

Project Details:

- Allows for sewer expansion in the Three Bays Watershed
- Design contract awarded to Weston Sampson
- Survey work and preliminary design in progress



Additional Sewer Expansion Projects in Design



Phinney's Lane Neighborhood Project:

- Internal design team has completed 30% design
- Continuing roadway takings; next request presented via first read this evening with vote anticipated on 5/4/23
- Construction anticipated to commence in 2025

Long Pond Area Project

- Survey complete & design on-going
- Construction anticipated to commence in 2027

Old Craigville Road, Old Yarmouth Road & Shootflying Hill Road Projects

- Kicking off survey efforts
- Construction anticipated to commence in 2026 (Old Craigville), 2026 (Old Yarmouth) and 2027(Shootflying Hill)

Long Beach and Great Marsh Road Projects

- Preliminary design funding proposed in FY24 Capital Budget
- Construction anticipated to commence in 2027 (Long Beach) and 2028 (Great Marsh)



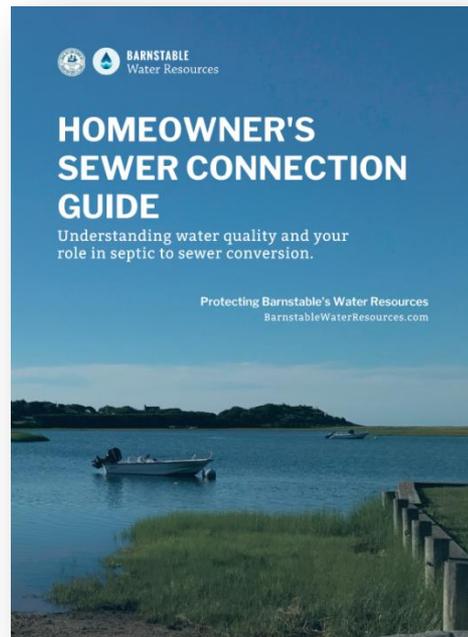
CWMP Communications

Homeowner's Sewer Connection Guide

- In design, undergoing internal review
- Will effectively act as a handbook for property owners to help facilitate the sewer connection process, and outline anticipated costs

Barnstable Water Resources Update

- Redesigned homepage
- Modified navigation and improved search functionality
- Enhanced FAQ development



Water Pollution Control Facility

Solids Processing Facility Upgrades

- Construction on-going
 - Arrival and installation of Motor Control Center (MCC); all electricity for this project will run through the MCC
 - Installation of new grit classifier
 - Demolition of GBT 1 (Gravity Belt Thickener)
- Project anticipated to reach completion before end of calendar year

Nitrogen Removal and Headworks Improvements

- Selected designer
- Preliminary design work has commenced

Effluent Disposal Evaluation

- Currently reviewing proposals for next phase of work



Ponds & Lakes

Project Updates

Shubael Pond

- Alum treatment completed on Tuesday, 4/11/23
 - Applied to Shubael Pond sediments that are 8-meters and deeper to reduce the phosphorus load regenerated by the sediments
 - Anticipated to reduce the phosphorus available for cyanobacteria
 - Will not eliminate the potential for a cyanobacteria bloom until other sources of phosphorus in the watershed are addressed
- Subsequent Adaptive Management Monitoring will take place over the next two years

Long Pond Marstons Mills

- Planning the Floating Treatment Wetland pilot study
- Expected deployment in Spring 2024



