



Water Resources Management Update

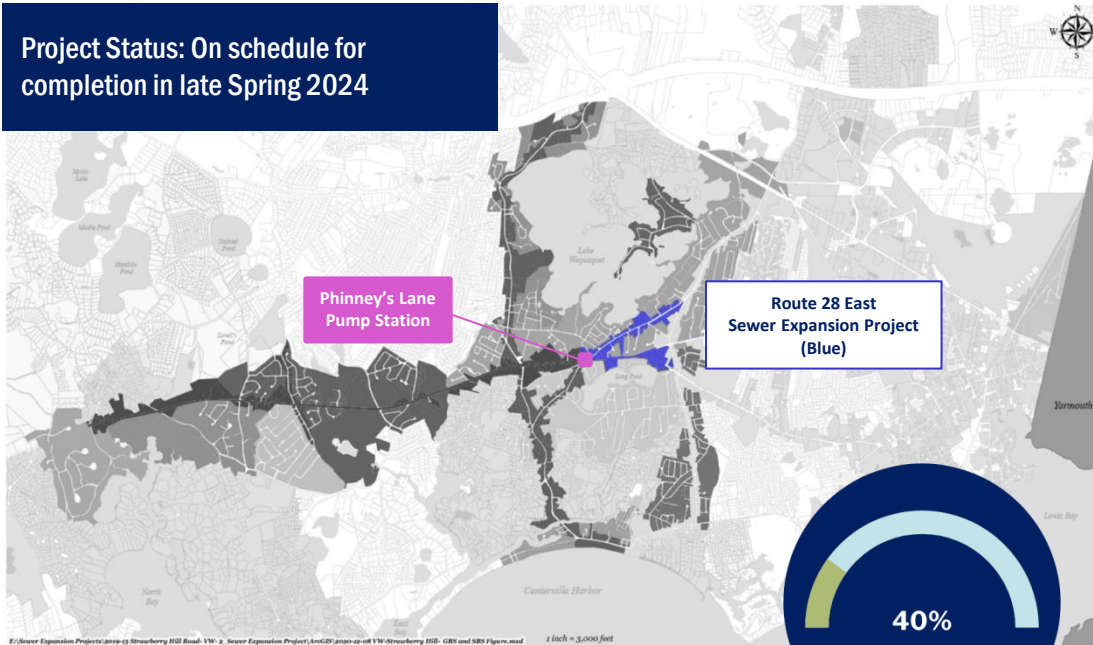
Barnstable Town Council

**Department of Public Works
July 20, 2023**



Route 28 East Sewer Expansion Project

Project Status: On schedule for completion in late Spring 2024



Phinney's Lane
Pump Station

Route 28 East
Sewer Expansion Project
(Blue)



Project Status:

- Off-road sewer construction
 - Barnstable Intermediate School, completion anticipated by end of week
 - Water Pollution Control Facility, cross-country sewer construction on-going
- In-road construction to resume this Fall

Phinney's Lane Pump Station:

- Removal of piles and sheeting used to support the excavation required to install facility's foundation



July 2023



Strawberry Hill Road Sewer Expansion Project

Project Status: Construction completed

Strawberry Hill Road
Sewer Expansion Project
(Yellow)

95%
COMPLETE

Project Status:

- Sewer service riser construction anticipated this fall
 - First read of construction funding appropriation expected at 7/20 Town Council
 - Vote anticipated at 8/17 Town Council
 - Work will occur in the shoulder
 - Specified for a targeted section of properties, south of Route 28
- Anticipated sewer availability for first connections in Spring 2024

Strawberry Hill Road Sewer Pump Station:

- Electrical service for the pump station anticipated to be completed this fall



Water Pollution Control Facility

Solids Processing Facility Upgrades

- Solids holding tanks rehabs continue
- Electrical, mechanical and process equipment installations continue
- Odor control systems have arrived onsite
- Project anticipated to reach completion before the end of 2023

Nitrogen Removal and Headworks Improvements

- Nutrient removal conceptual design in review

Effluent Disposal Evaluation

- Contracting for next phase of work



Odor Control Systems, WPCF



Water Quality Monitoring

Cyanobacteria Monitoring

- On-going monitoring at 27 ponds, will continue through September
 - Public Health Advisories at Long Pond Marstons Mills and Lovells Pond
 - Pet Advisories at Long Pond Centerville, Parker Pond, and Schoolhouse Pond

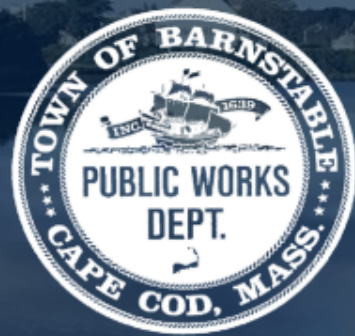
Estuaries Monitoring

- Summer 2023 Estuaries Sampling has resumed
 - The first of four rounds was completed July 6th and 7th
 - The second round of sampling is scheduled for July 21st and 24th

Ponds and Lakes Monitoring and Management Plan Program

- Lovells Pond Nutrient Diagnostic Assessment & Management Plan report anticipated Fall 2023
- Lake Wequaquet, Bearses Pond, and Gooseberry Pond Monitoring is underway
 - Will continue through 2024, resulting Management Plan report anticipated for 2025
- Conservation Commission hearing for Long Pond Marstons Mills Floating Treatment Wetland Pilot Study Notice of Intent scheduled for July 18th
 - Deployment anticipated for Spring 2024







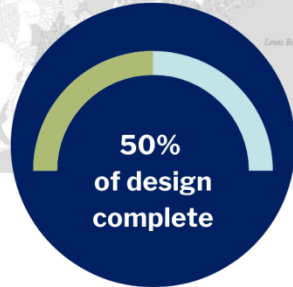
Resources

Centerville Village Sewer Expansion Project

Project Status: Construction anticipated to commence in 2024

Centerville Village Sewer Expansion Project (Purple)

E:\Sewer Expansion Projects\Jan12-13 Strawberry Hill Road - VV - a - Sewer Expansion Project\ArcGIS\Jan12-13 VV Strawberry Hill - GIS and MR Figure.mxd 1 inch = 3,000 feet



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

Project Details:

- Completed review of 50% sewer design plans
- Continuing efforts to site pump station locations and associated easement options

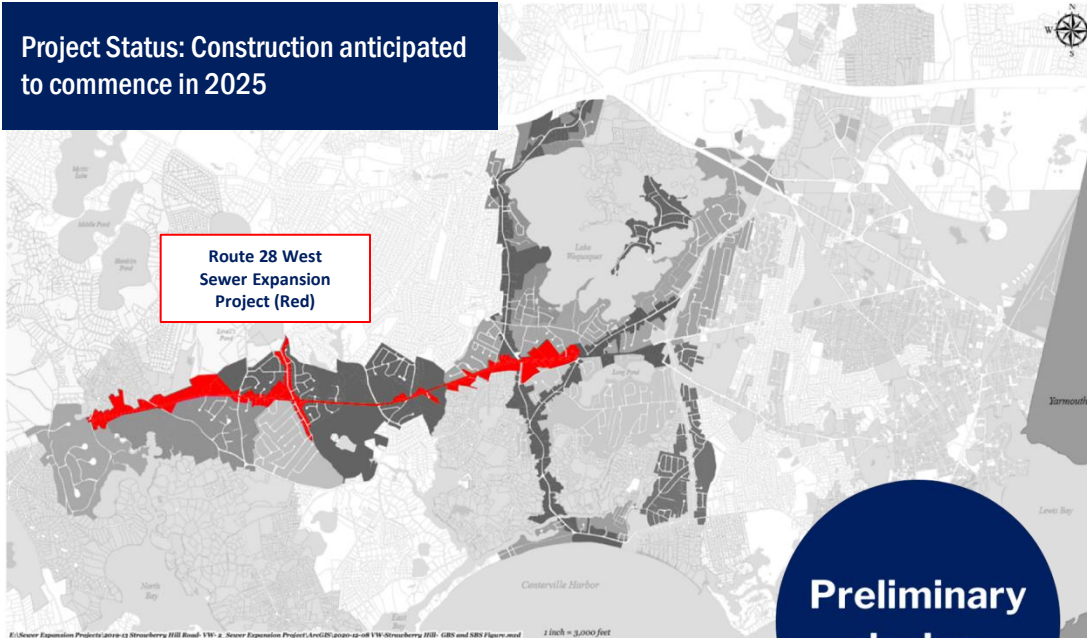
Outreach Efforts:

- Initial public comment periods have closed
- Evaluating all feedback and formalizing public comment summary, to be published on BarnstableWaterResources.com



Route 28 West Sewer Expansion Project

Project Status: Construction anticipated to commence in 2025



Preliminary design

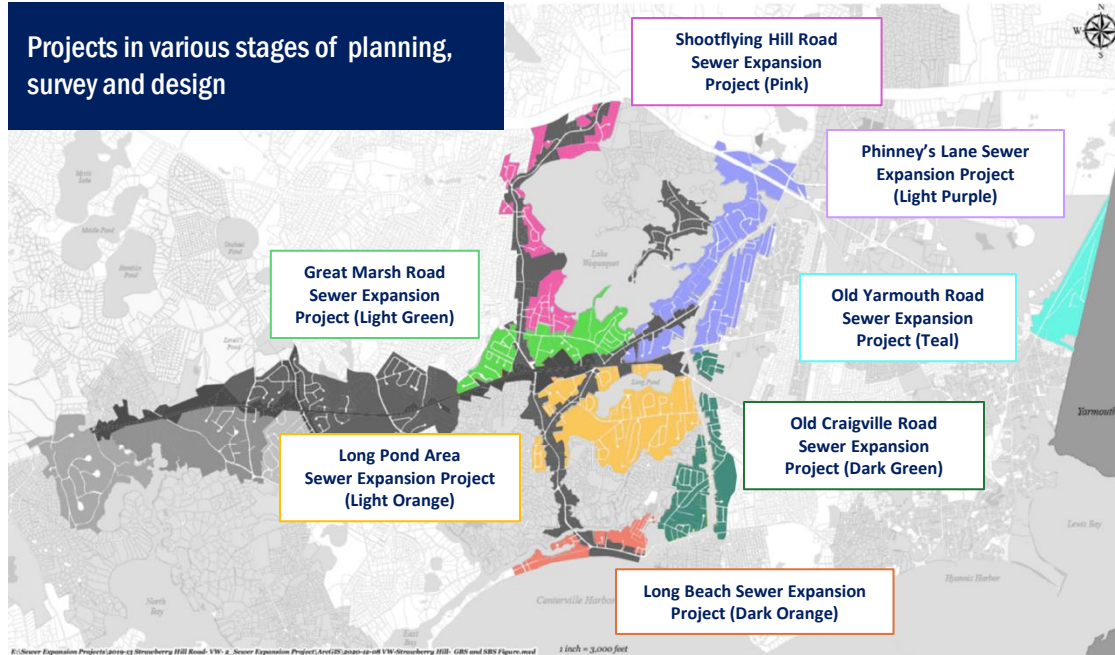
Extends sewer on Route 28 from Phinney's Lane to Route 149

Project Details:

- Allows for sewer expansion in the Three Bays Watershed
- Design contract awarded to Weston & Sampson
- Preliminary design continues



Additional Sewer Expansion Projects in Design



Phinney's Lane Neighborhood Project:

- Internal design team has completed 30% design
- Continuing private roadway utility easement takings and siting of sewer pump stations
- Construction anticipated to commence in 2025

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

- Survey efforts ongoing
- Construction anticipated to commence in 2026 (Old Craigville), 2026 (Old Yarmouth) and 2027 (Shootflying Hill)

Long Pond Area Project

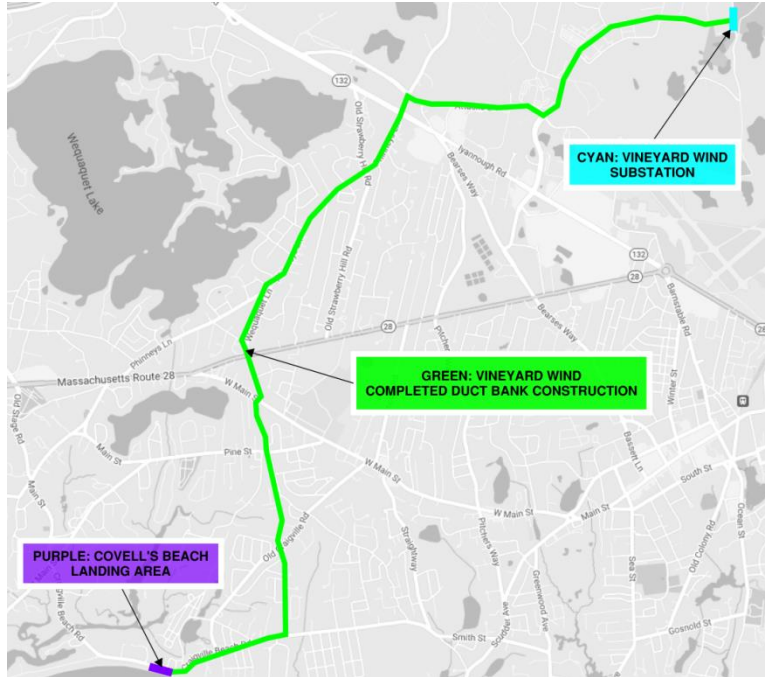
- Survey complete & design on-going
- Construction anticipated to commence in 2027

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)



Vineyard Wind Project



Project Status: Duct bank installation and cable pulling complete

Remaining work:

- Cable splicing and testing along the project route
- Requires single-lane alternating traffic
- Will resume in this fall

Anticipated final paving schedule of disturbed roadways:

- Spring 2023:
 - Craigville Beach Road – complete
 - Strawberry Hill Road (Craigville Beach to Pine Street) – complete
- Fall 2023:
 - Attucks Lane – scheduling in progress
 - Strawberry Hill Road (Pine Street to Route 28)
 - Phinney's Lane
 - Wequaquet Lane

