



# Water Resources Management Update

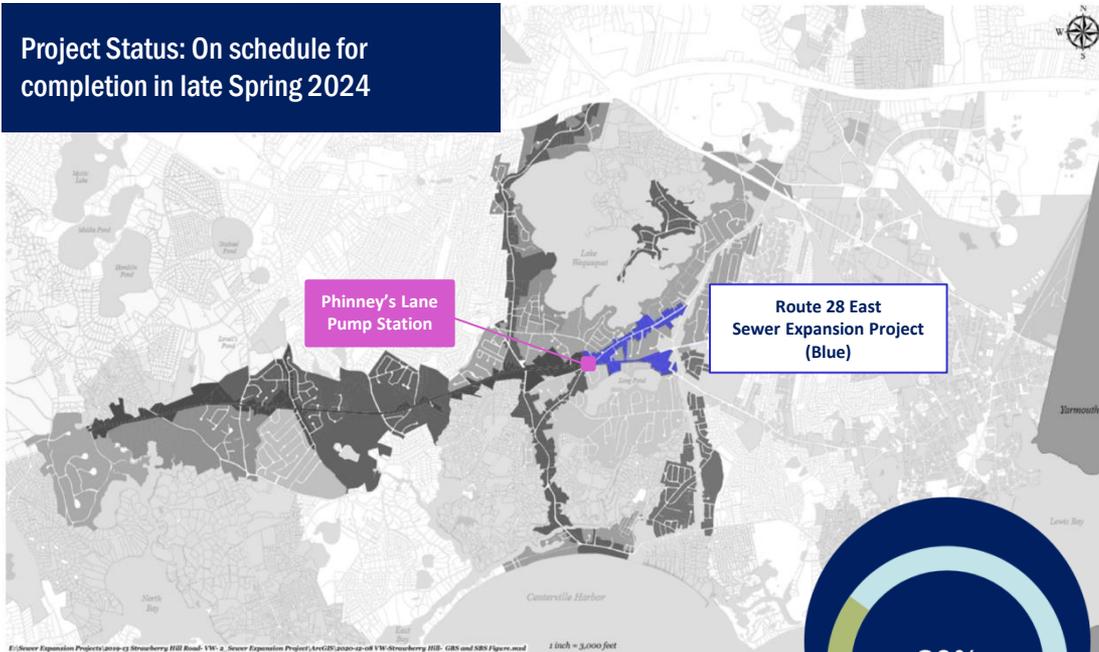
**Barnstable Town Council**

**Department of Public Works  
May 18, 2023**



# Route 28 East Sewer Expansion Project

Project Status: On schedule for completion in late Spring 2024



ES: Sewer Expansion Projects (part of Strawberry Hill Road - V1) - 2 - Sewer Expansion Project, IncGIS (part of V1 Strawberry Hill - GIS and SRI Figure.mxd 1 inch = 3,000 feet



## Sewer Construction:

- Overnight work within this portion of Route 28 completed on 5/11/23
- Drainage and temporary restoration
  - Daytime operation, 7:00AM to 5:00PM
  - Anticipated closure of Phinney's Lane from Route 28 to Strawberry Hill Road
- Anticipated summer activity
  - Barnstable Intermediate School
  - Water Pollution Control Facility

## Phinney's Lane Pump Station:

- Installation of upper deck and support system



February 2023



May 2023



# Strawberry Hill Road Sewer Expansion Project

Project Status: Construction completed

Strawberry Hill Road  
Sewer Expansion Project  
(Yellow)

95%  
COMPLETE

## Sewer Construction:

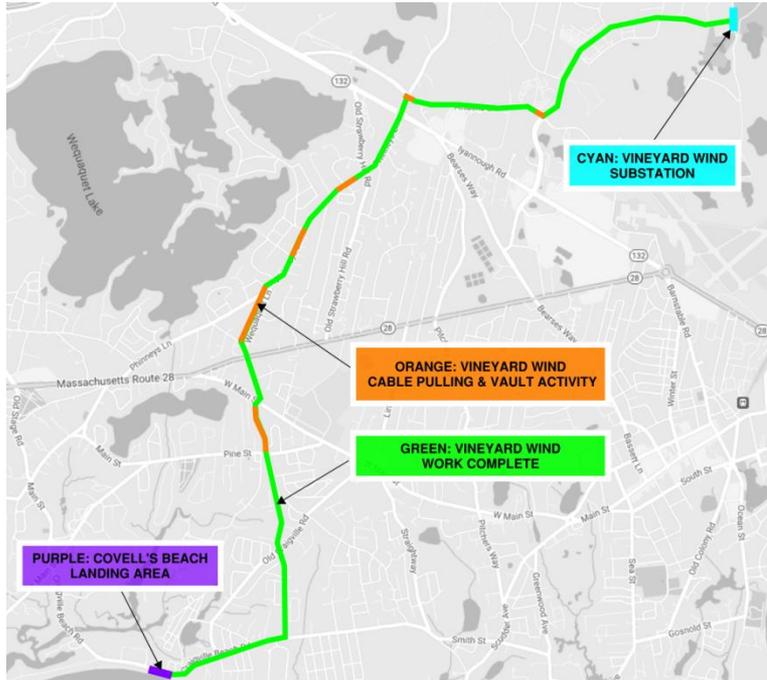
- Construction is complete
- Restoration along project on-going
- Sewer service riser construction anticipated this fall

## Strawberry Hill Road Sewer Pump Station:

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



# Vineyard Wind Project



**Project Status: On schedule for completion Spring 2023**

## On-going construction:

- Duct bank installation along Phinney's Lane completed this week
- Additional cable pulling and vault activity at various locations along Phinney's Lane and south of Route 28
- Restoration of Strawberry Hill Road, from Craigville Beach Road to Pine Street
  - Final paving anticipated next week
  - Remaining work includes line striping and shoulder restoration

## Anticipated final paving schedule of disturbed roadways:

- Spring 2023:
  - Craigville Beach Road – complete
  - Strawberry Hill Road – in progress
  - Attucks Lane – scheduling in process
- Fall 2023:
  - Phinney's Lane
  - Wequaquet Lane

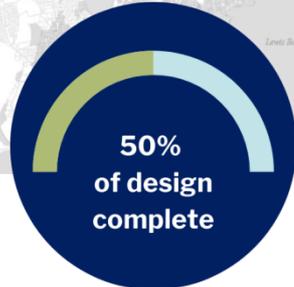


# Centerville Village Sewer Expansion Project

**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 MRN 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](http://BarnstableWaterResources.com)



# Water Pollution Control Facility

## **Solids Processing Facility Upgrades** Construction on-going

- Second gravity belt thickener (GBT) installed this week
- Motor control center (MCC) has been energized
- Project anticipated to reach completion before the end of 2023

## **Nitrogen Removal and Headworks Improvements**

- Preliminary design work underway

## **Effluent Disposal Evaluation**

- Contracting for next phase of work



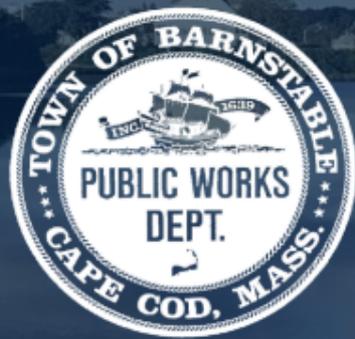
# Ponds & Lakes

## *Project Updates*

### Long Pond Marstons Mills

- Planning the Floating Treatment Wetland pilot study
- Appropriation Order in the amount of \$90,000 presented at 5/4/23 Town Council (Agenda Item 2023-127)
- Public hearing and vote anticipated tonight
- Expected deployment in Spring 2024



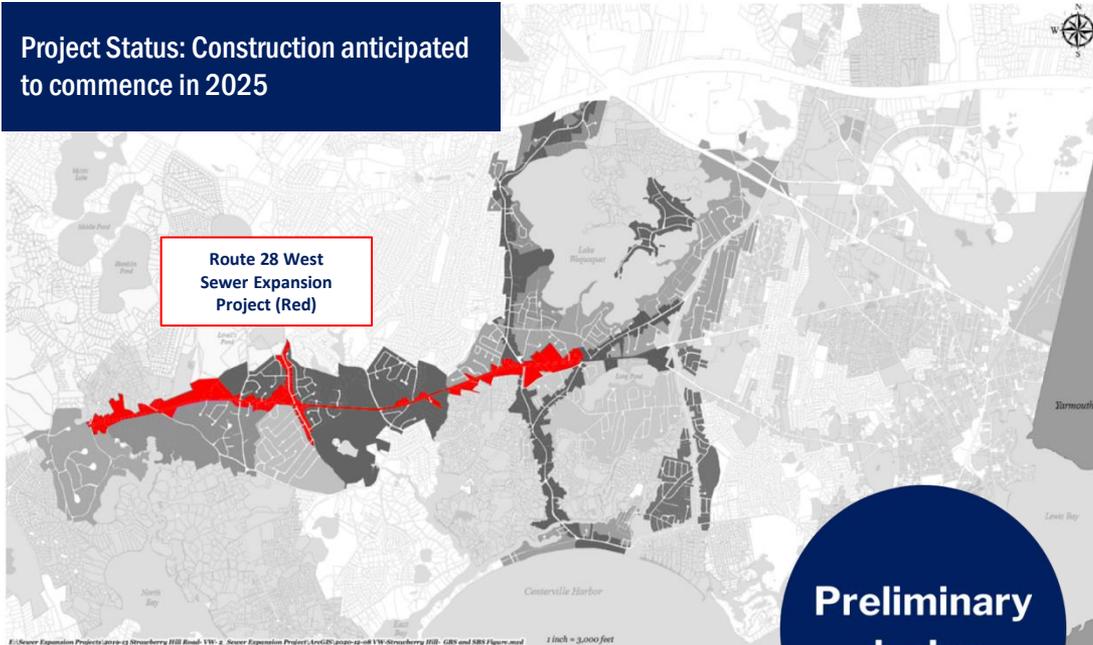




# Resources

# Route 28 West Sewer Expansion Project

Project Status: Construction anticipated to commence in 2025



Preliminary design

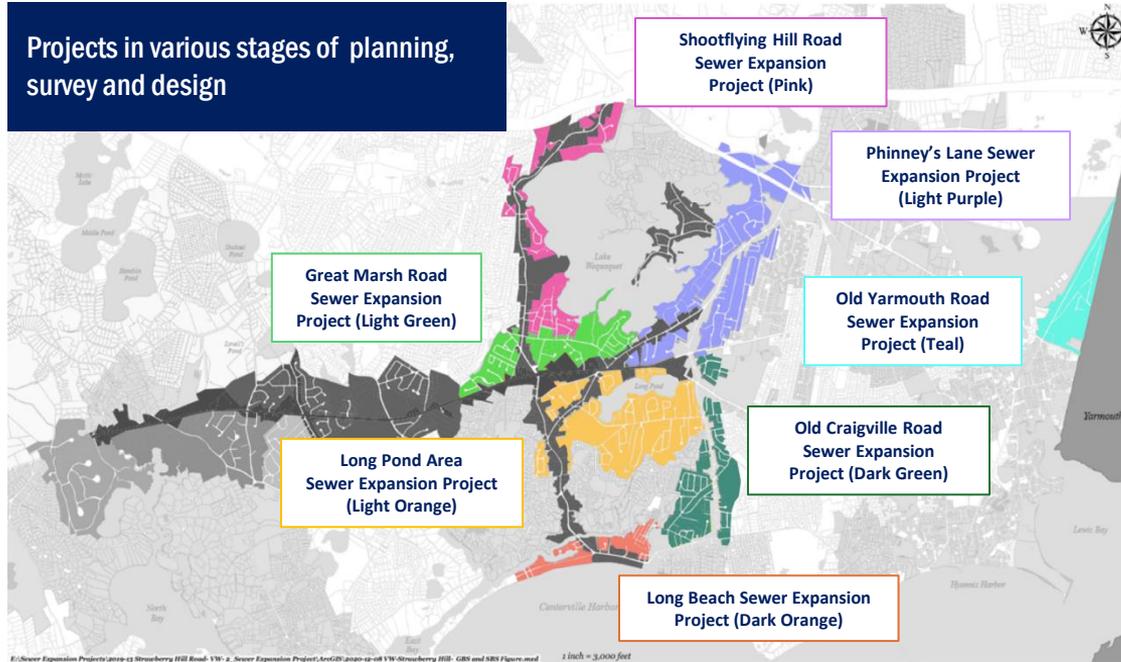
Extends sewer on Route 28 from Phinney's Lane to Route 149

## 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 roadway takings
- 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)