



# Water Resources Management Update

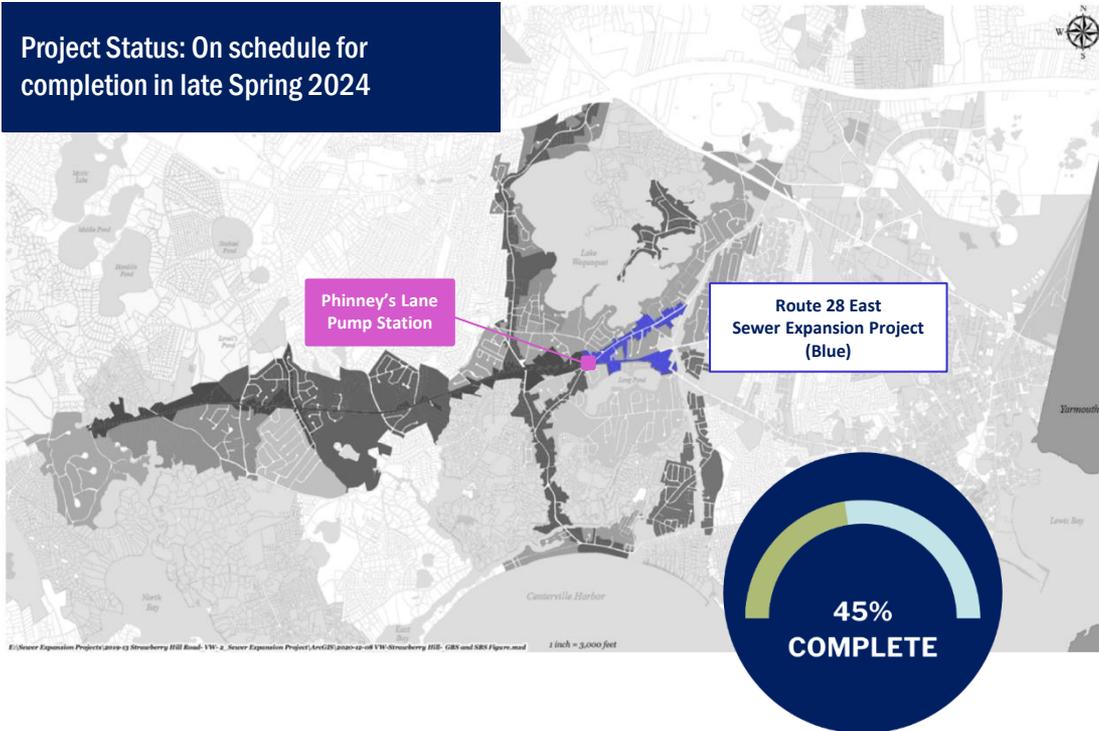
**Barnstable Town Council**

**Department of Public Works  
October 19, 2023**



# Route 28 East Sewer Expansion Project

Project Status: On schedule for completion in late Spring 2024



## Project Status:

- In-road construction has resumed:
  - Currently operating in Phase 3, which requires single-direction detour of eastbound traffic, utilizing West Main Street and Pitcher's Way
  - MassDOT permitted work hours 8:15AM to 5:30PM
- Contractor will continue to operate with two crews on Route 28 throughout the Fall
  - Sewer construction within Route 28 anticipated to be complete by mid-November
  - Water main work to follow

## Phinney's Lane Pump Station:

- All below grade sewer work is complete
- Roofing in progress

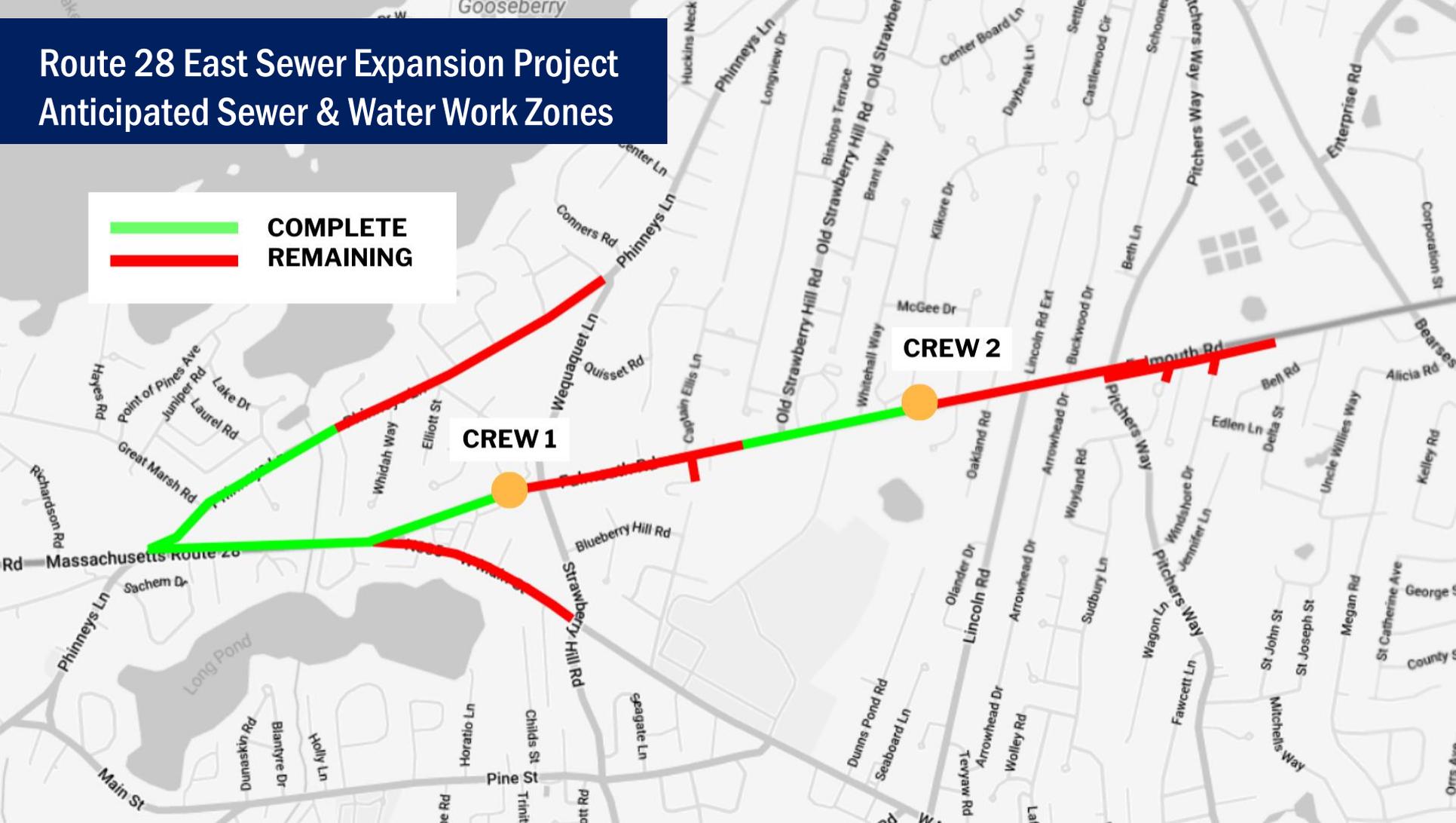


# Route 28 East Sewer Expansion Project Anticipated Sewer & Water Work Zones

 COMPLETE  
 REMAINING

**CREW 1**

**CREW 2**



# 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 began 10/6/23, approximately 20% complete
- First connections anticipated Spring 2024

## Restoration:

- Paving Phinney's Lane from Wequaquet Lane to Route 132 anticipated in November
  - Vineyard Wind completing testing along the project route
  - Intend to keep Phinney's Lane open while detouring traffic on Route 28

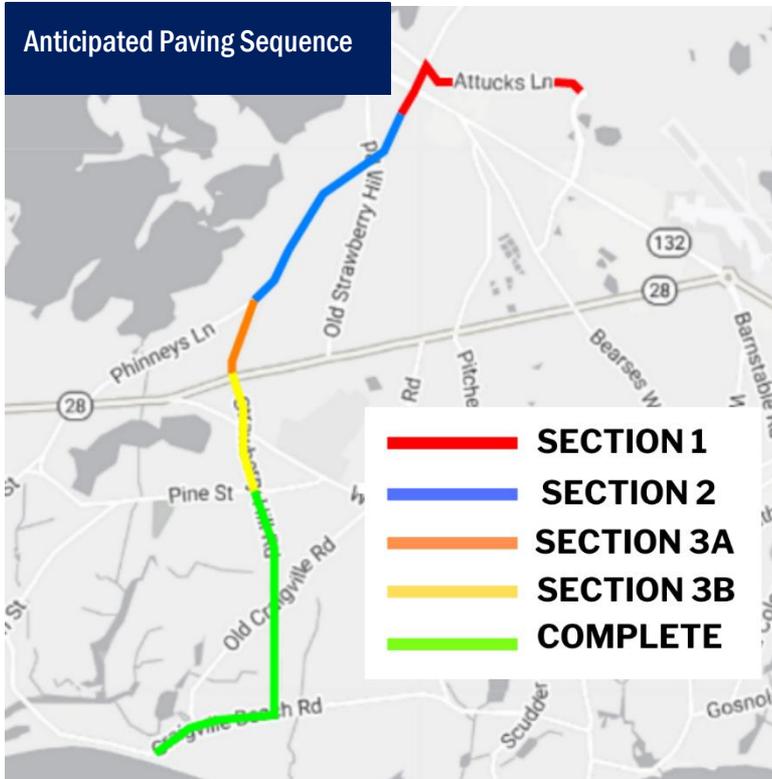
## Strawberry Hill Road Sewer Pump Station:

- Electrical service installed
- Generator and pump station testing and start-ups being scheduled



# Strawberry Hill Road Sewer Expansion Project

## Paving Restoration Efforts



### Anticipated Paving Sequence:

- Final paving of the Strawberry Hill Road project route to occur in sections:
  - Section 1: Attucks Lane, starting as early as next week, 10/23
  - Section 2: Phinney's Lane, from Route 132 to Wequaquet Lane
  - Section 3A: Phinney's Lane from Wequaquet Lane to Route 28
  - Section 3B: Strawberry Hill Road, from Route 28 to Pine Street

# Centerville Village Sewer Expansion Project

**Project Status: Construction anticipated to commence in 2024**

**Centerville Village Sewer Expansion Project (Purple)**

**75%  
of design  
complete**

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

## **Project Details:**

- Completing 75% sewer design plan review
- Continuing efforts to site pump station locations and associated easement options







# Water Pollution Control Facility

## Solids Processing Facility Upgrades

- Odor Control Systems put in place
- Fifth and final blower installed
- Final paving of septic receiving area completed
- Painting of pipes and walls ongoing
- SCADA automation and electrical programming activity ongoing
- Substantial completion anticipated January 2024

## Nitrogen Removal and Headworks Improvements

- Preliminary design phase continues, anticipate moving into final design over the next few months

## Effluent Disposal Evaluation

- Retained CDM Smith for next phase of work
- Water Reuse and Disposal Alternatives Analysis in progress



*Solids Processing Facility pipe painting in progress*



# Water Quality

## Water Quality Monitoring

- 2023 Cyanobacteria and Estuaries Monitoring, completed for the season
  - Data for 2022 season submitted to Cape Cod Commission

## Clamshell Cove Road Stormwater Improvements

- Natural Resources Conservation Service (NRCS) grant to fund drainage improvements to reduce stormwater inputs into the Shoestring Bay estuary
- Initial planning and proposal development in progress

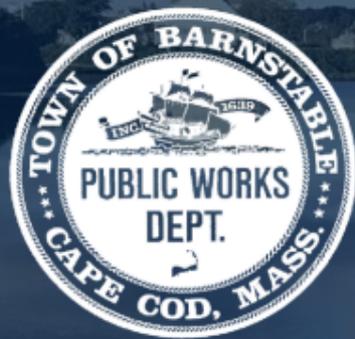
## Lake Elizabeth Fish Ladder and Culvert Replacement

- NRCS grant to fund design and construction
- Reviewing 75% design plans for the fish ladder; initiating design work for the culvert



*Sampling efforts at Centerville River Sentinel Station*







# Resources

# 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
- Testing has resumed as of 9/5/23

## Anticipated final paving schedule of disturbed roadways:

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

