



Water Resources Management Update

Barnstable Town Council

**Department of Public Works
March 16, 2023**



CWMP Phase 1 Implementation

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:

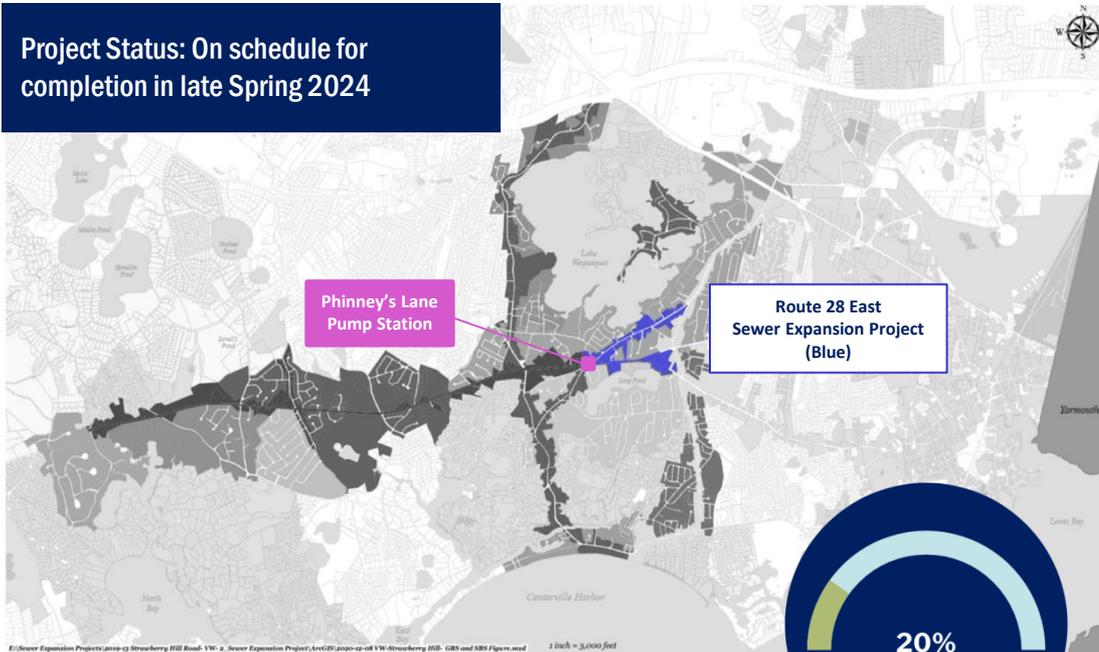
- Final sewer manhole installed on 3/8/23
- Service lateral installation continues
- Testing and closeout anticipated for April
- Service lateral riser construction anticipated to begin Fall 2023



CWMP Phase 1 Implementation

Route 28 East Sewer Expansion Project

Project Status: On schedule for completion in late Spring 2024



Sewer construction:

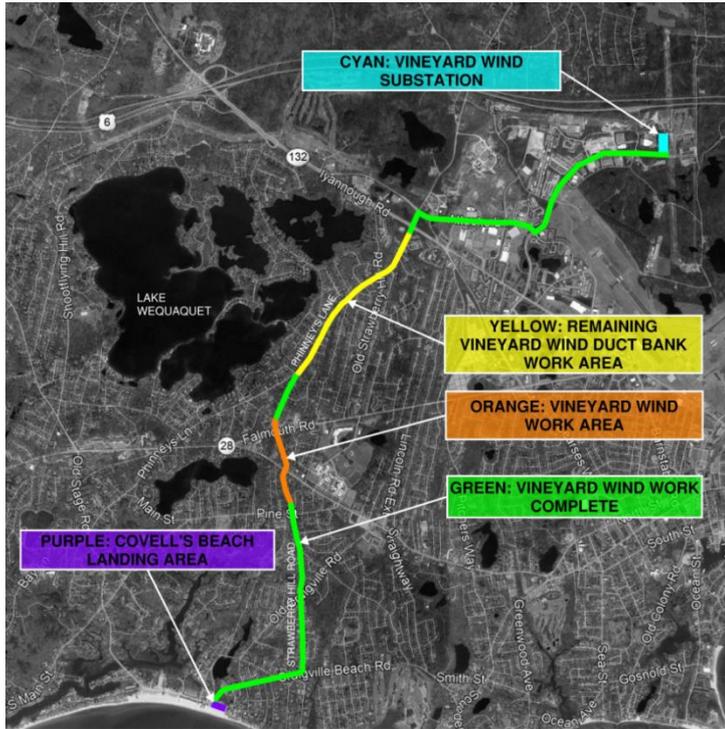
- Gravity sewer installation continues along Phinney's Lane, between Pond Street and Tellegen Trail
- Anticipated sewer construction in Route 28 to commence 4/3/23
 - One-direction detour, for travel westbound
 - Coordination with police, fire, school buses
 - Abutter and business outreach to begin next week, 3/20/23

Phinney's Lane Pump Station:

- Continuing concrete work for foundation and water tightness testing



Vineyard Wind Project



Project Status: On schedule for completion Spring 2023

On-going construction:

- Duct bank installation at intersection of West Main Street and Strawberry Hill Road
 - Detour required around the construction due to wide work zone
 - Public outreach provided the week prior to residents and businesses, including 'open for business' signage
- Vault installation and water services on Phinney's Lane continue, work occurring within sewer construction closure(s)
- Duct bank construction on Phinney's Lane anticipated to commence the week of 3/20/23

Anticipated final paving schedule of disturbed roadways:

- Spring 2023:
 - Attucks Lane
 - Craigville Beach Road – Top course
 - Strawberry Hill Road
- Fall 2023:
 - Phinney's Lane
 - Wequaquet Lane



CWMP Phase 1 Implementation

Centerville Village Sewer Expansion Project

Project Status: Construction anticipated to commence in 2024

Centerville Village Sewer Expansion Project (Purple)

25%
of design
complete

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

Project Details:

- 5 miles of new sewer, approximately 350 properties to be connected
- Anticipated to include 6 sewer pump stations, including vicinity of Mother's Park Road
- Design coordination with Park City Wind staff
- Evaluating roadway and pedestrian improvements along project route

Outreach Efforts:

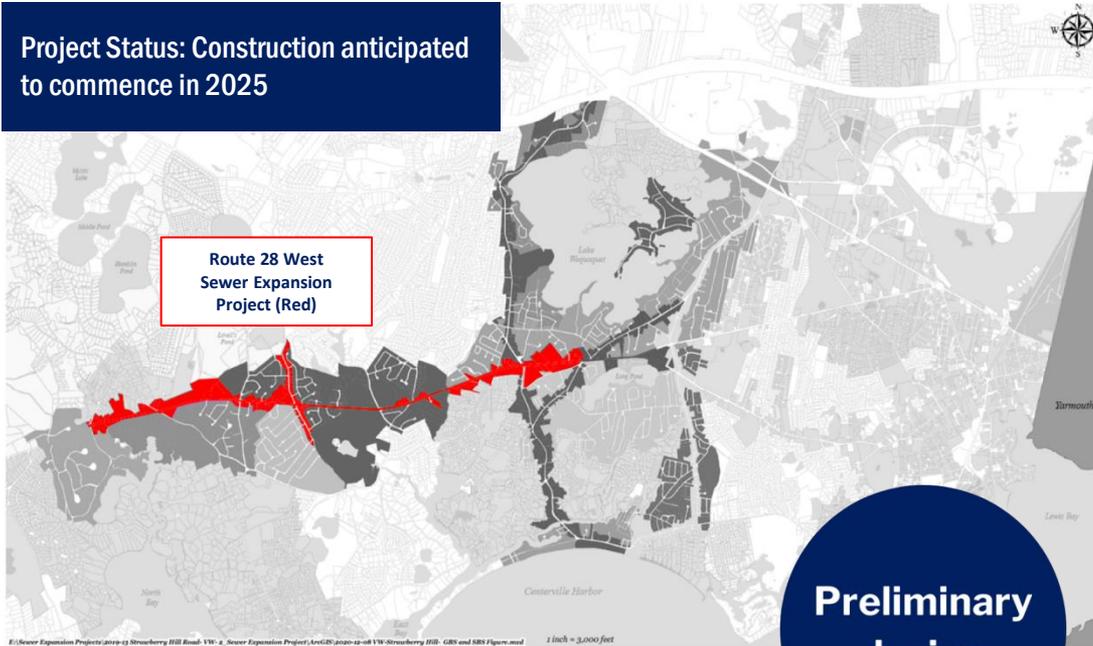
- Update on Sewer Expansion in Centerville Village Informational Meeting
 - Tuesday, 3/14/23, 6:00PM, Town Hall
- Main Street Centerville Roadway and Pedestrian Improvements Public Discussion,
 - Tuesday, 4/4/23, 6:00PM, Barnstable Adult Community Center



CWMP Phase 1 Implementation

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



CWMP Phase 1 Implementation

Additional Projects in Design

Projects in various stages of planning, survey and design



Phinney's Lane Neighborhood Project:

- In process of drafting design RFP
- Survey complete & design on-going
- Continuing roadway takings; anticipate coming before Town Council again in late April/early May
- 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

- Awarded survey RFPs
- 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)



Water Pollution Control Facility

Active Projects

Solids Processing Facility Upgrades

- Construction on-going
- Scheduled to be completed before end of calendar year

Nitrogen Removal and Headworks Improvements

- Reviewing Design RFPs
- Aiming to begin the design process as early as April

Effluent Disposal Evaluation

- Reviewing proposals from CDM Smith



Ponds & Lakes

Project Updates

Shubael Pond

- Proceeding with alum treatment
- Anticipated to occur in April

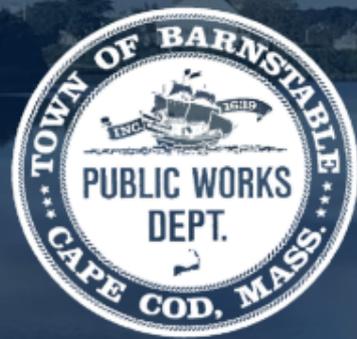
Long Pond Marstons Mills

- Planning the Floating Treatment Wetland pilot study

Cyanobacteria Monitoring Program

- Will resume in early June





Strawberry Hill Road Sewer Expansion Project:
Final Sewer Manhole Installation



Route 28 East Sewer Expansion Project:
Gravity Sewer Installation

