



The Bay Park Conveyance Project

A Western Bays Resiliency Initiative

Stakeholders Monthly Meeting
February 23, 2022



Department of
Environmental
Conservation





Agenda

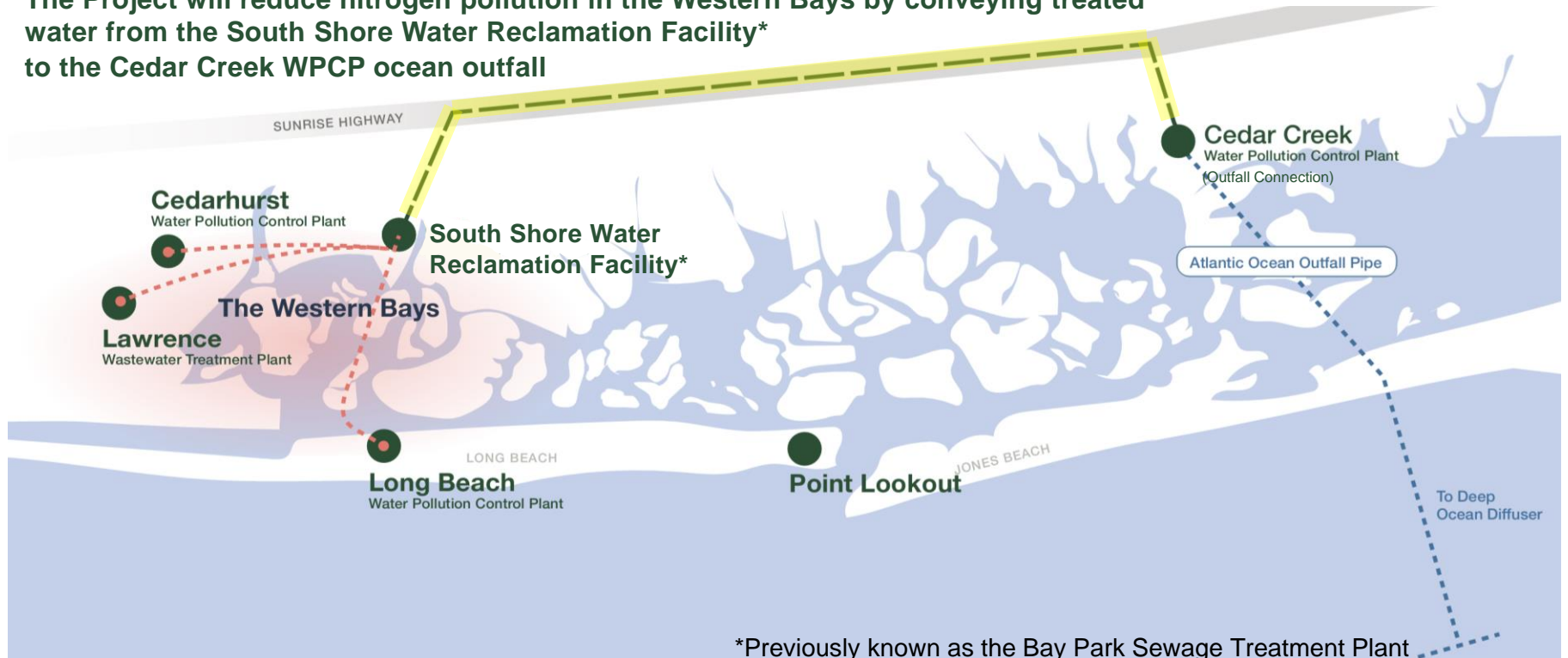
- 1. Project Background**
- 2. Construction Updates**
- 3. Stakeholder Engagement**
- 4. Question and Answer Session**



Project Background

The Bay Park Conveyance Project

The Project will reduce nitrogen pollution in the Western Bays by conveying treated water from the South Shore Water Reclamation Facility* to the Cedar Creek WPCP ocean outfall



*Previously known as the Bay Park Sewage Treatment Plant

Project Benefits



Storm Protection

Spur the rapid ecological recovery of the Western Bays marshlands which will protect coastal communities from storm surge and sea level rise



Quality of Life Factors

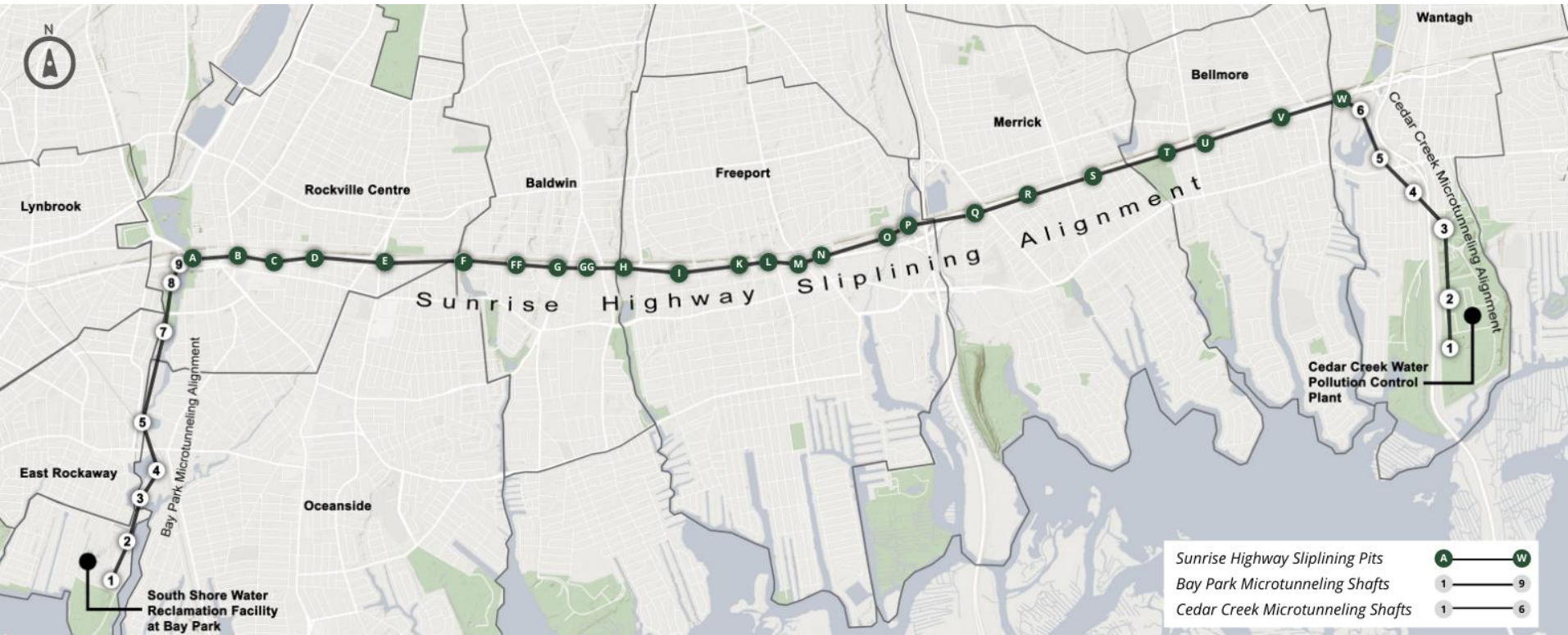
Maximize quality of life by providing residents a place to work and play



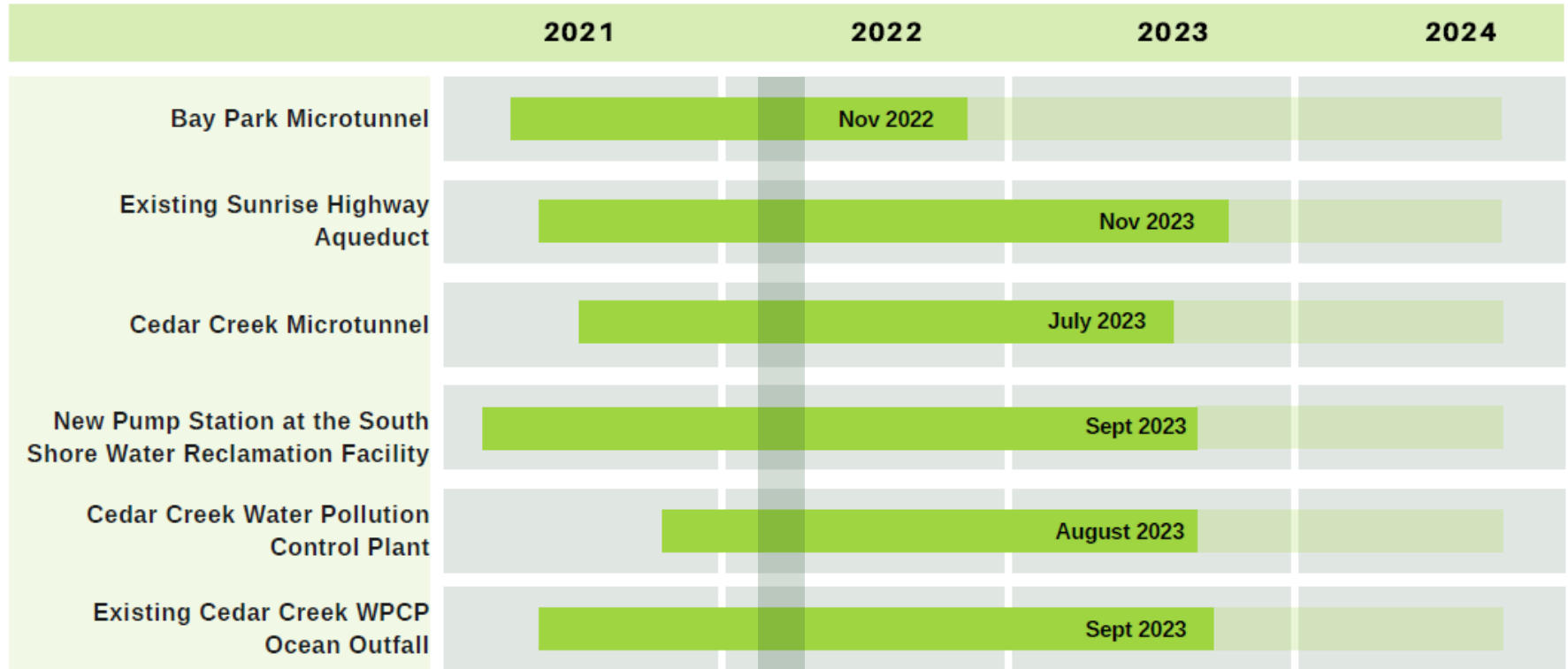
Economic Benefits

The ecological recovery of the Western Bays and improved water quality will enhance and expand water-based recreational and commercial opportunities

Bay Park Conveyance Project Overview



Project Timeline



We Are Here

Final Acceptance Aug 2024

Construction Techniques

- **Microtunneling** - A technique used to install piping deep into the ground
- **Sliplining** - Utilizes existing infrastructure by inserting a new pipe into an existing pipe
- **Support of Excavation (SOE)** - Used to support the earth during excavation
- **Jet Grouting** - A technique used as a means for groundwater control



CSM Panel Installation at BP1, November 2021



Construction Updates

Bay Park Alignment

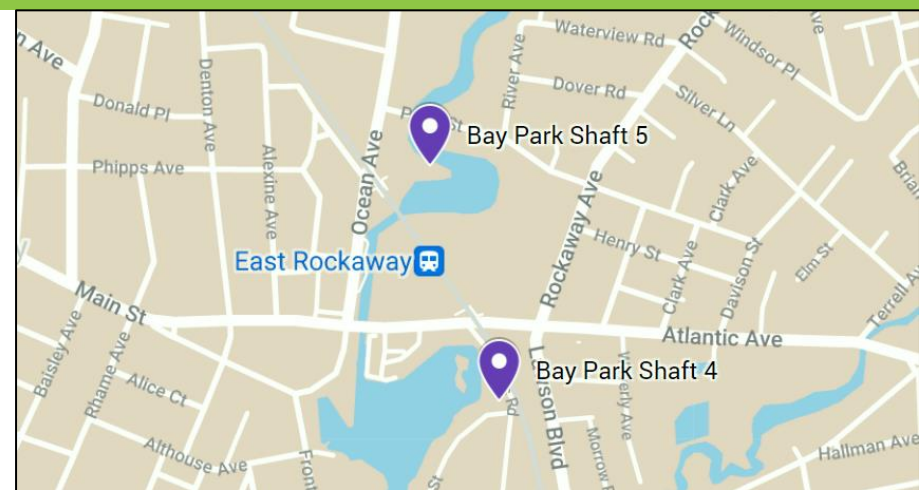
- **BP1:** Jet grout operation at diversion structure complete. Site prepped to receive the Microtunnel Boring Machine (MTBM) from BP2.
- **BP2:** MTBM being assembled in preparation for the start of microtunneling to BP1.
 - Trucks continue to transport materials including segments of large pipe.
 - Microtunneling anticipated to begin in March.
- **BP3:** Shaft excavation ongoing in preparation for microtunneling.



Microtunnel Pipe Delivery at BP2, January 2022

Bay Park Alignment

- **BP4:** Following SOE installation, jet grout operation anticipated to begin in early March.
- **BP5:** Jet grout operation ongoing.
 - Shaft excavation anticipated to begin in March.
 - Parking modification at Oxbow Park in place.



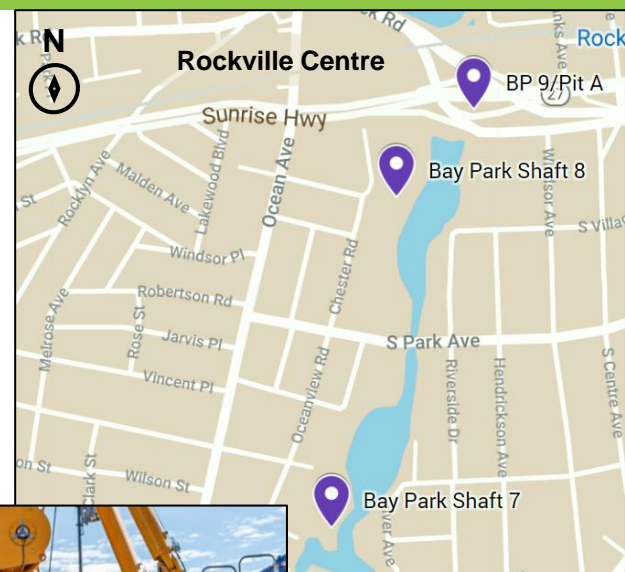
BP5 Jet Grout Installation, January 2022

Bay Park Alignment

- **BP7:** Site is being prepared in advance of SOE installation.
- **BP8:** Excavation anticipated to begin in March, following excavation at CC2/CC3.
- **BP9/Pit A:** Maintenance and Protection of Traffic (MPT) installed.
 - Clearing, grubbing, and site prep complete.
 - Utility relocation expected to begin in March.

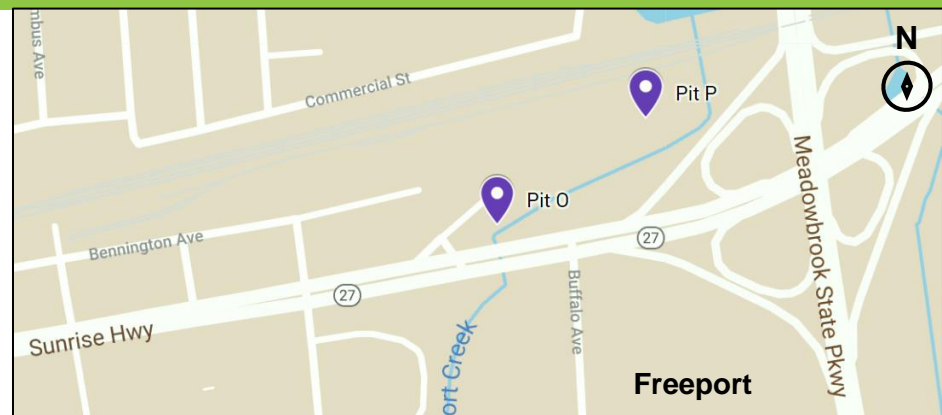


SOE Installation at BP8, December 2021



Sunrise Highway: Pits O & P

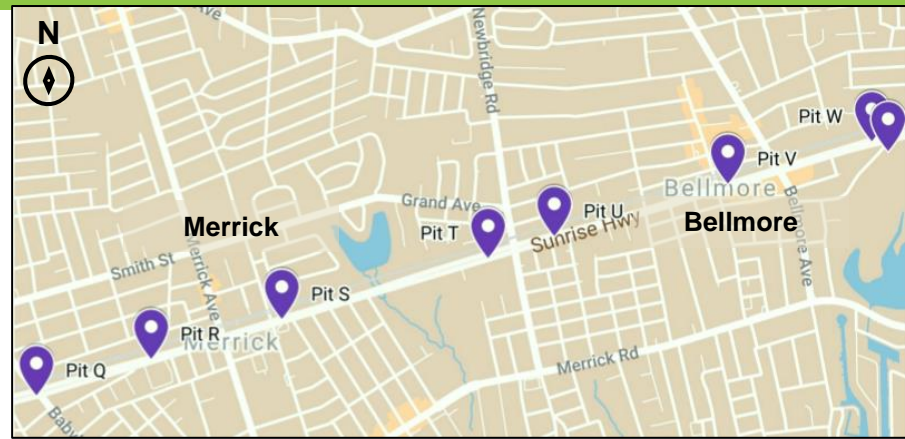
- Ongoing test pit and survey work across the Sunrise Highway alignment.
- **Pit O:** Prepared to begin pipe jacking operation.
- **Pit P:** Prepared to receive first piece of pipe being jacked from Pit O.
- Sliplining operation anticipated to begin in early March.
- Work will be performed off the roadway on the north side of Sunrise Highway and is not expected to impact the traveling public.



Excavation at Pit O, January 2022

Sunrise Highway: Pits Q, R, S, T, U

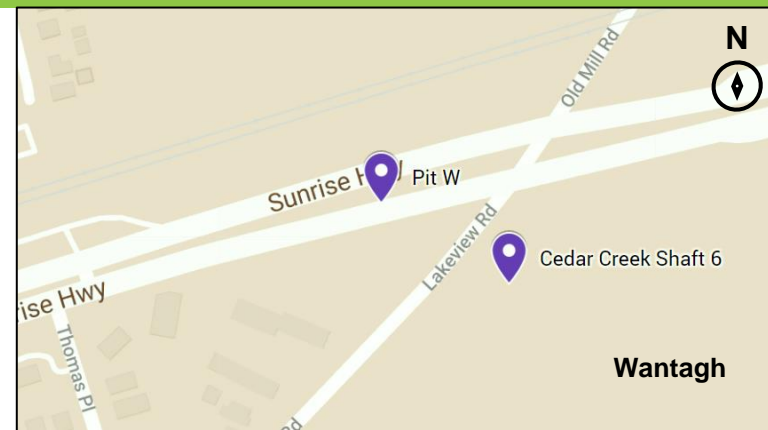
- **Pit Q:** SOE installation complete, excavation to follow in March.
- **Pit R:** Sheet piling is complete, SOE has begun.
- **Pit S:** SOE installation ongoing, excavation to follow in March.
- **Pits T & U:** sheet piles are anticipated to begin in March, followed by SOE installation.
- Installation of sheet piles and SOE can cause periods of noise and vibration that may be noticeable to residents in the areas directly adjacent to the work site.



Pit Construction at Pit Q, January 2022

Sunrise Highway: Pit W

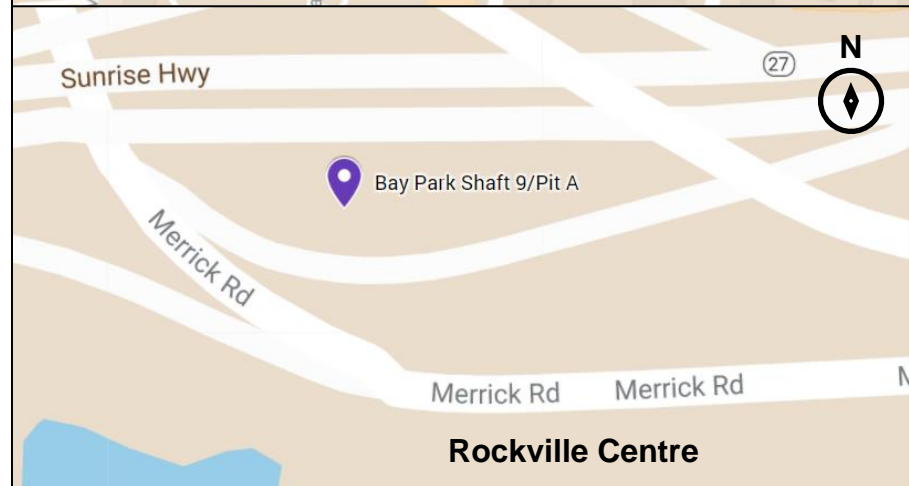
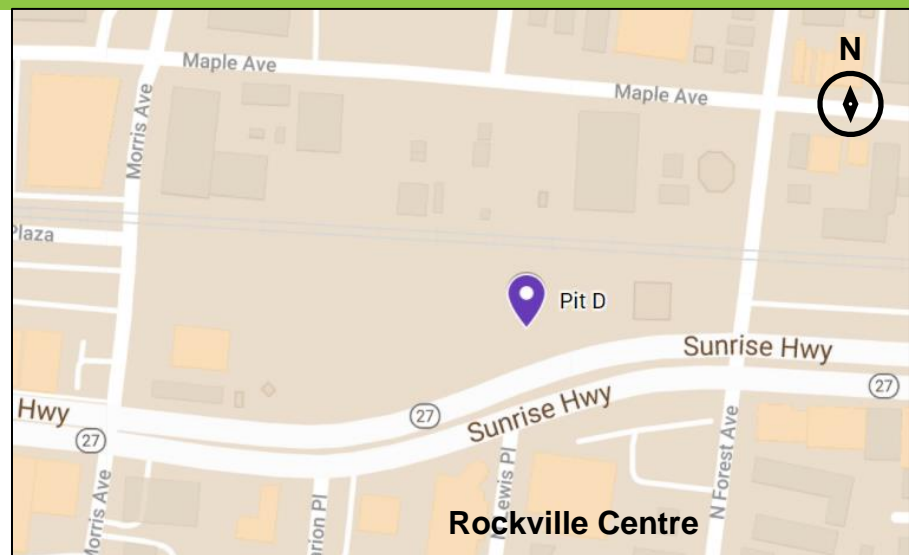
- **Pit W:** Crews have started to remove the median in advance of paving operations.
 - When complete, traffic will be shifted north onto the newly paved extension and a work area will be established on the south side of the roadway.
 - Work will take place during the day, from 9am – 3pm.
 - The left turn lane both eastbound and westbound will be closed throughout construction.



Road Plate Placed at Pit W, February 2022

Sunrise Highway: BP9/Pit A & Pit D

- **BP9 / Pit A:** A construction entrance has been established at the Sunrise Hwy/Merrick Rd Interchange.
- **Pit D:** A construction entrance has been established at Joyce Field in Rockville Centre for storage and laydown of materials.



Protection of Traveling Public and Work Zones

- Work Zone Traffic Control (WZTC) and MPT Signage is deployed to assist motorists and pedestrians around WBC work areas.
- Variable Message Signage (VMS) boards are deployed in advance of lane closures.
- Weekly “Before You Go” Facebook posts highlight lane closures for the week ahead.
- Canvassing notifications to nearby residents and businesses as needed.
- Addition of 6th workday may begin in March.



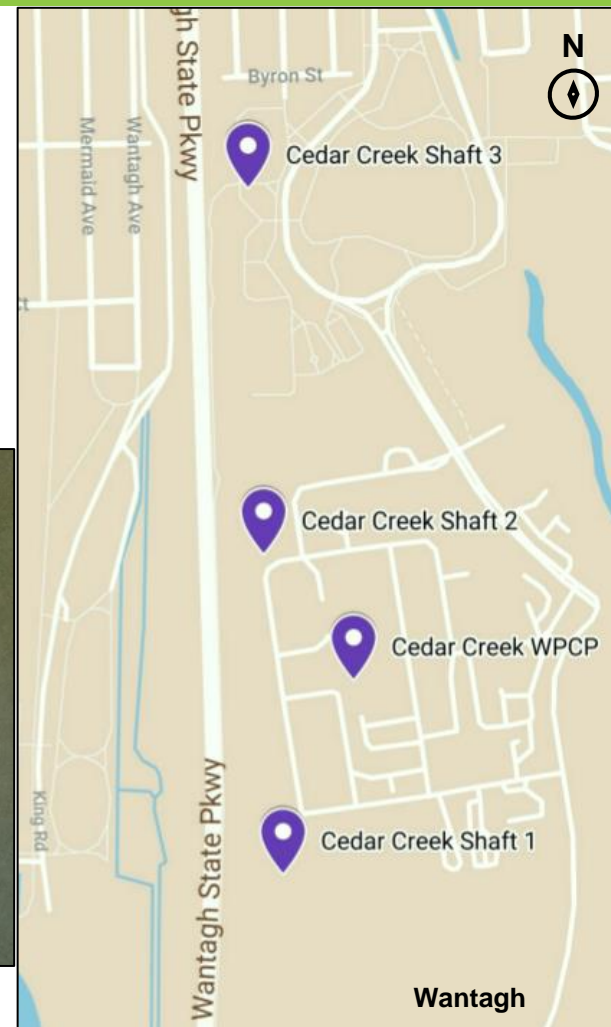
MPT deployed at Pit F on Sunrise Highway, May 2021

Cedar Creek Alignment

- **CC1:** Shaft excavation to continue in March.
- **CC2:** Shaft excavation is underway. MTBM being assembled in preparation for microtunneling.
- **CC3:** Crews are continuing to prep the site in advance of shaft excavation, anticipated to begin in late February. Jones Beach Bike Path remains open.



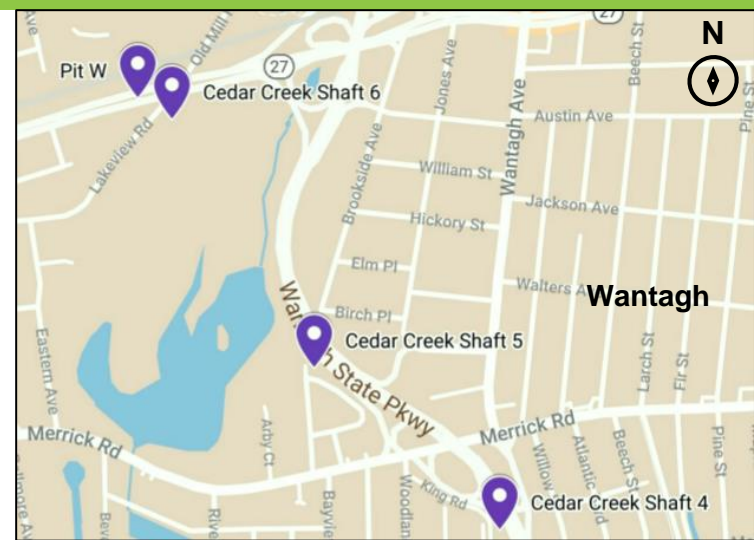
A Look Inside Microtunneling Pipe, January 2022



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Cedar Creek Alignment

- **CC4:** Installation of SOE ongoing. Jet grout operation anticipated to begin in late March.
- **CC5:** SOE installation to begin in March.
- **CC6:** Installation of sheeting to begin in early March.



Construction Entrance at CC6, Feb 2022



Clearing / Grubbing at CC5, Jan 2022

Tree Removal and Restoration

- Some vegetation and trees require removal across the Project alignment to facilitate construction.
- NYSDEC and NCDPW are **committed** to, at minimum, replacing trees removed during construction.
- A tree restoration plan and schedule for replanting are being developed, and restoration details will be shared as information becomes available.



Clearing and Grubbing at CC4, January 2022

Spotlight on Safety & Construction Site Tidiness



- All work pits and shafts will be enclosed and protected with fencing, inaccessible to the public.
- WBC is following all OSHA guidelines.
- Quality control team is present during each operation.

Our Community Commitment

- Environmental monitoring is underway across the Project corridor to monitor and address any potential noise, dust, vibrations and settlement from construction activities.
- As part of monitoring for the protection of property, WBC conducts pre-construction inspections of structures within the construction vicinity to serve as a benchmark for pre-construction conditions. WBC monitors the effects of construction activities and will take corrective actions as needed.



Site Preparation at BP1, March 2021



Stakeholder Engagement

Community Outreach Program

- Door-to-door canvassing
- Construction lookaheads and e-blasts
- Quarterly public information sessions
- Regular meetings with project stakeholders
- Dedicated 24/7 project hotline, email, Facebook & website
- 28 virtual or in-person meetings since NTP
- “Before You Go” Facebook campaign posted weekly
- Coordination with Nassau County Emergency Services
- “What’s Happening Here” signs at each work location
- MTBM Naming Contest winners announced, ceremony followed, and certificates delivered to participants
- Attendance at community events
- Inter-project coordination to engage local schools on environmental issues and water treatment facilities



Community Ambassador at Bellmore Fair, September 2021

Evaluating Our Outreach Approach

- Transition from monthly meetings to web-based platform.
- Modernized interactive format available to all on demand.
- Monthly presentations capturing construction updates and upcoming activities.
- Short videos demonstrating construction techniques.
- Available to answer your questions by phone, email, or in-person.



Nassau County Hazard Mitigation Meeting, November 2021

Contact Us



24/7 Project Hotline
(516) 252-6121



Community Information Center
265 Sunrise Highway
Rockville Centre, New York, 11570
**See website for hours*



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BayParkConveyance@gmail.com



Facebook
@BayParkConveyance



Website
www.BayParkConveyance.org



Question and Answer Session



Thank You!