



# The Bay Park Conveyance Project

A Western Bays Resiliency Initiative

**Elected Officials/First Responders  
Monthly Meeting  
February 22, 2022**



Department of  
Environmental  
Conservation





# Agenda

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

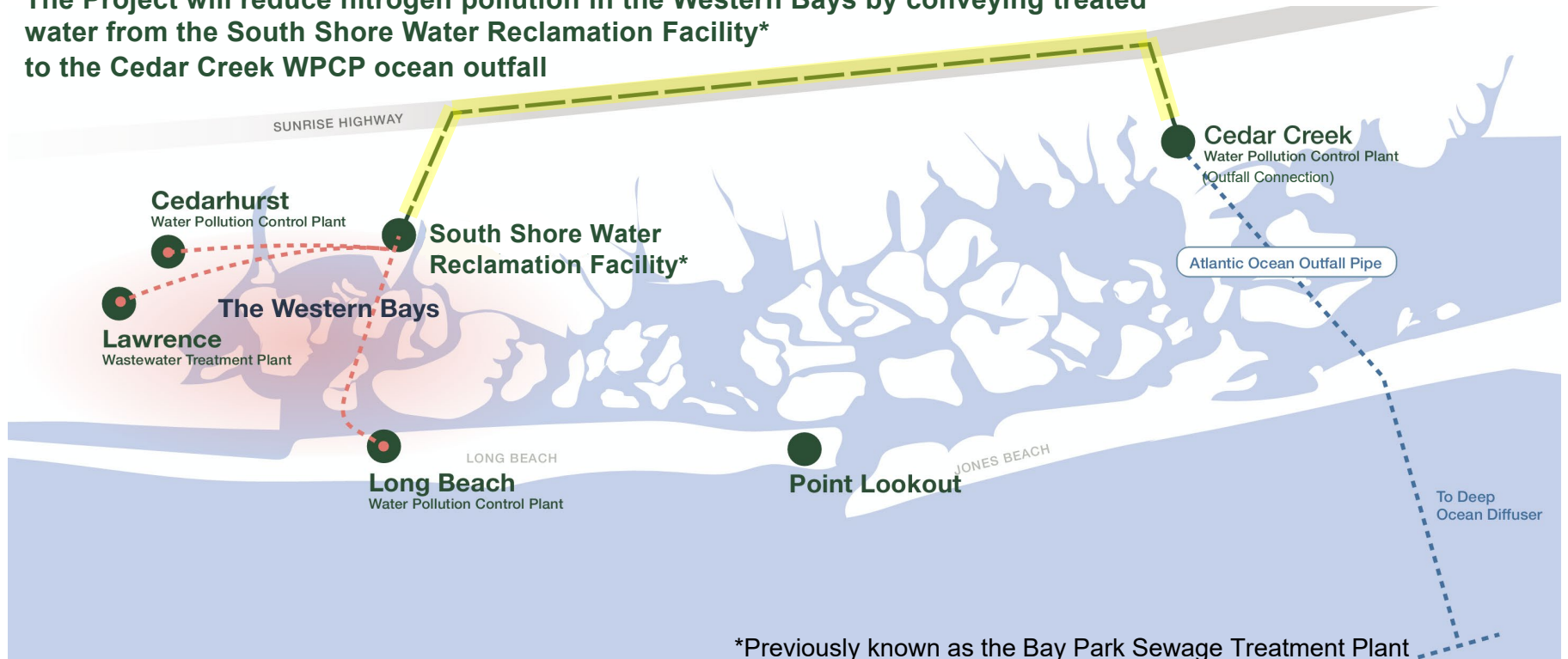




## Project Background

# 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

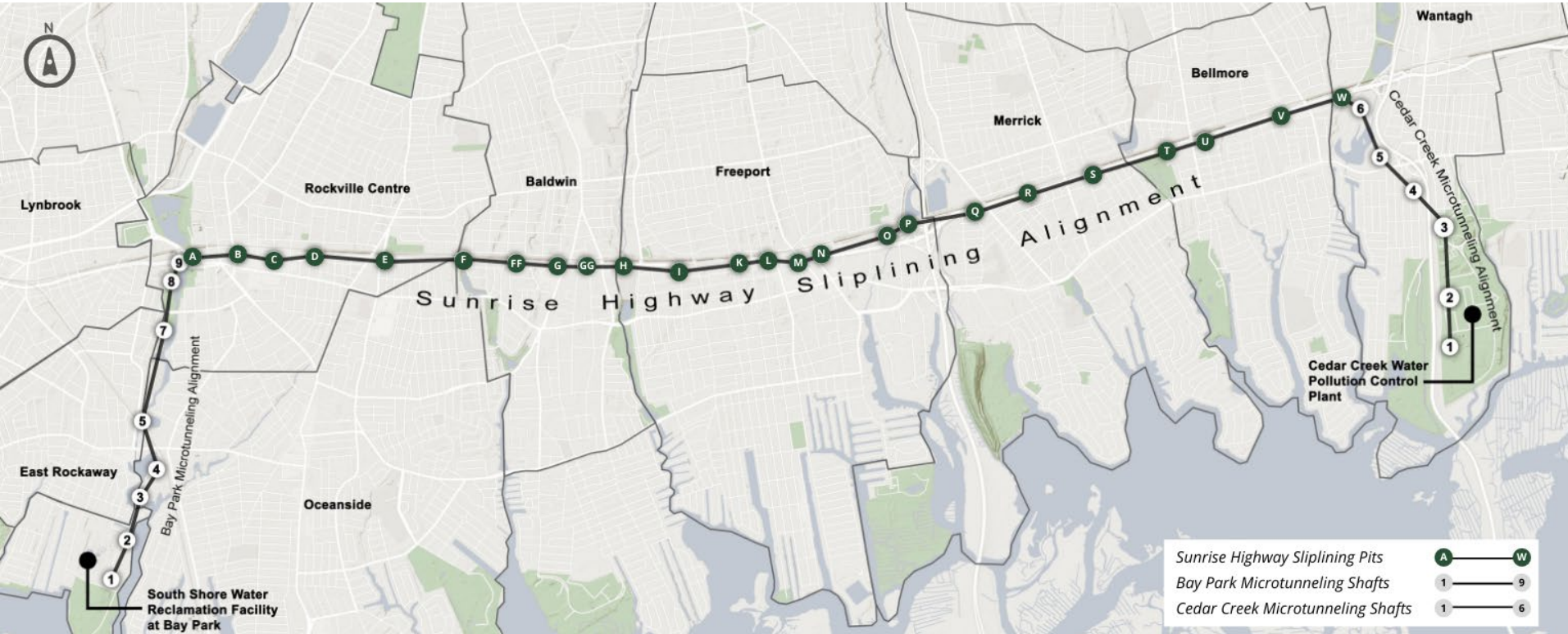
Maximize quality of life by providing residents a place to work and play



## Economic Benefits

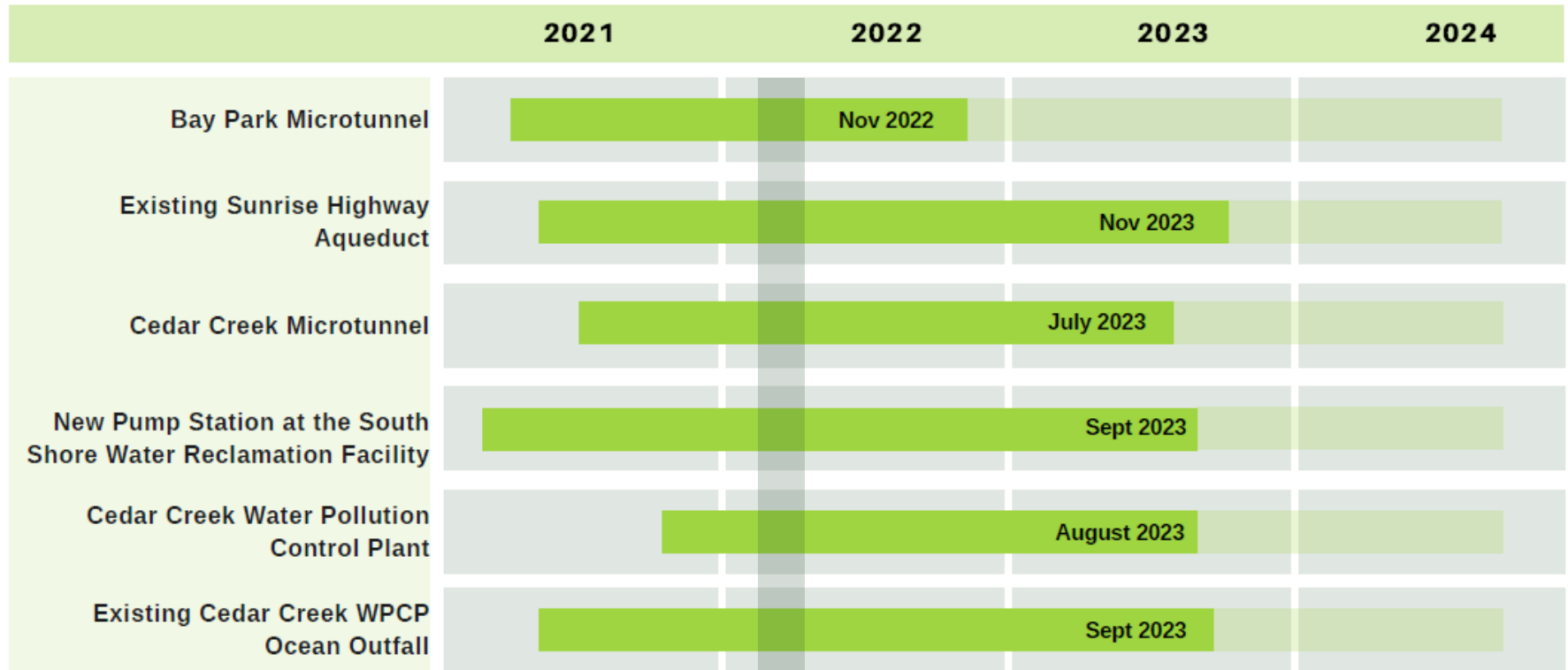
The ecological recovery of the Western Bays and improved water quality will enhance and expand water-based recreational and commercial opportunities

# 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*

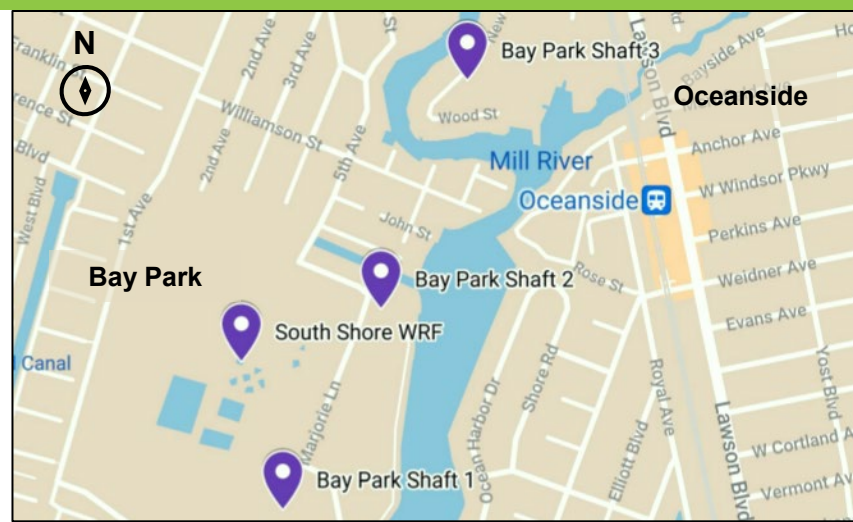




# Construction Updates

# 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.

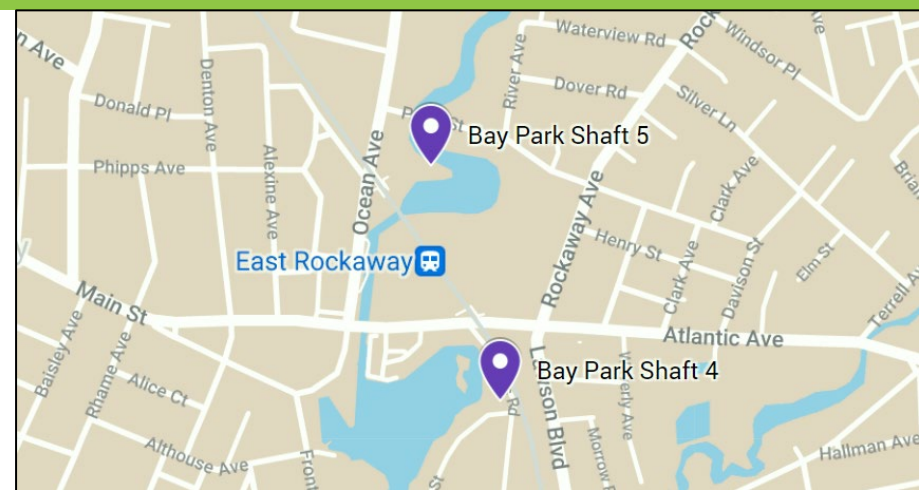


*Microtunnel Pipe Delivery at BP2, January 2022*



# 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.



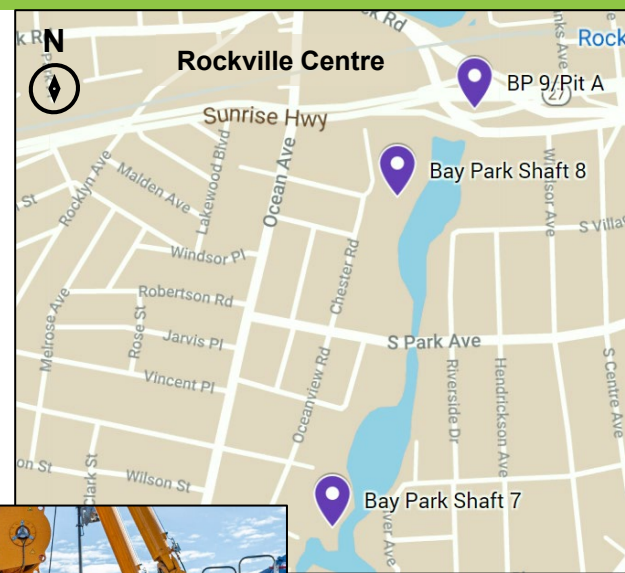
*BP5 Jet Grout Installation, January 2022*

# 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.



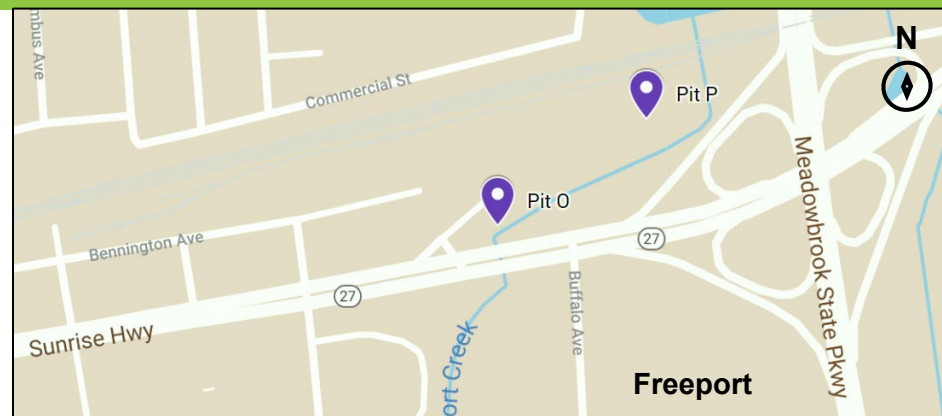
*SOE Installation at BP8, December 2021*





## 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.

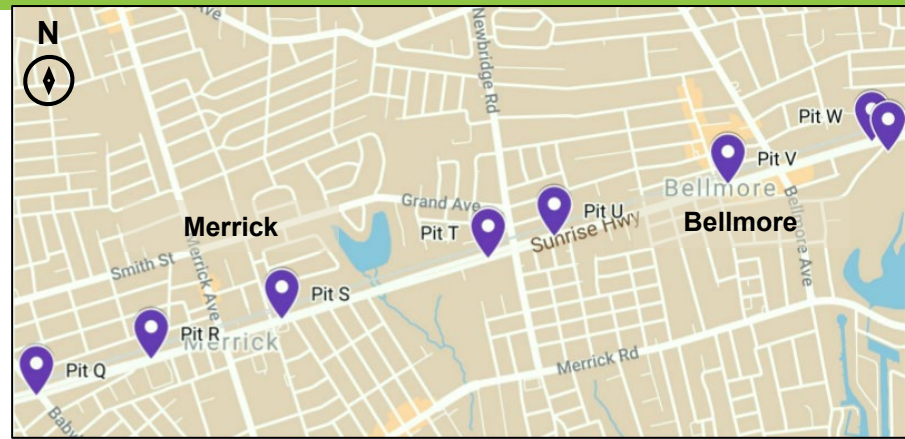


*Excavation at Pit O, January 2022*



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

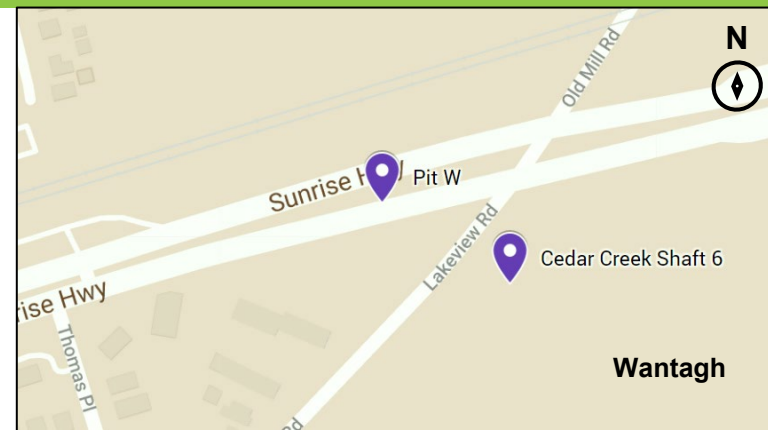
- **Pit Q:** SOE installation complete, excavation to follow in March.
- **Pit R:** Sheet piling is complete, SOE has begun.
- **Pit S:** SOE installation ongoing, excavation to follow in March.
- **Pits T & U:** sheet piles are anticipated to begin in March, followed by SOE installation.
- Installation 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

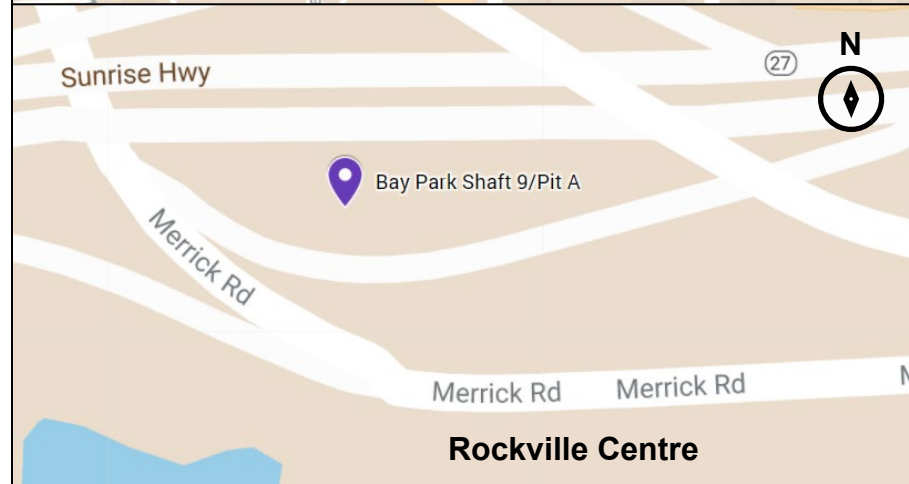
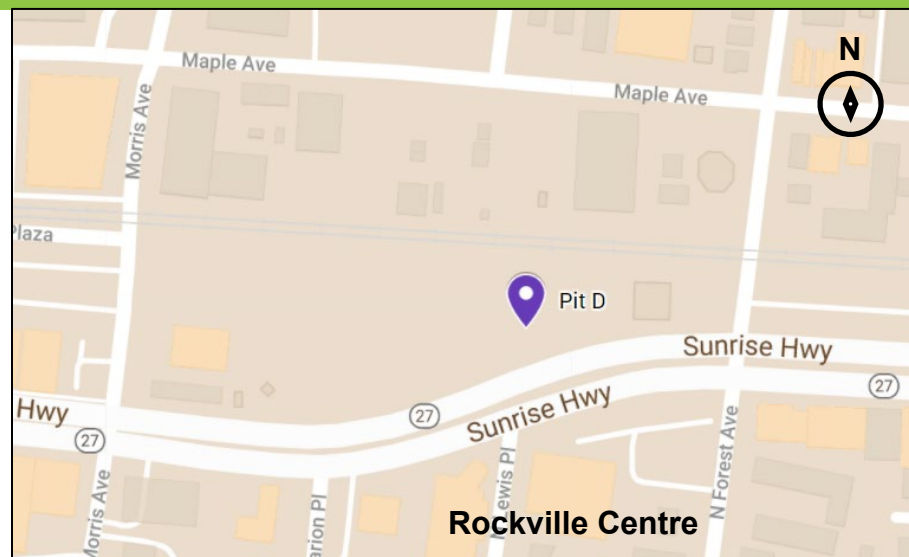
- **Pit W:** Crews have started to remove the median in advance of paving operations.
  - When complete, traffic will be shifted north onto the newly paved extension and a work area will be established on the south side of the roadway.
  - Work will take place during the day, from 9am – 3pm.
  - The 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 6<sup>th</sup> workday may begin in March.



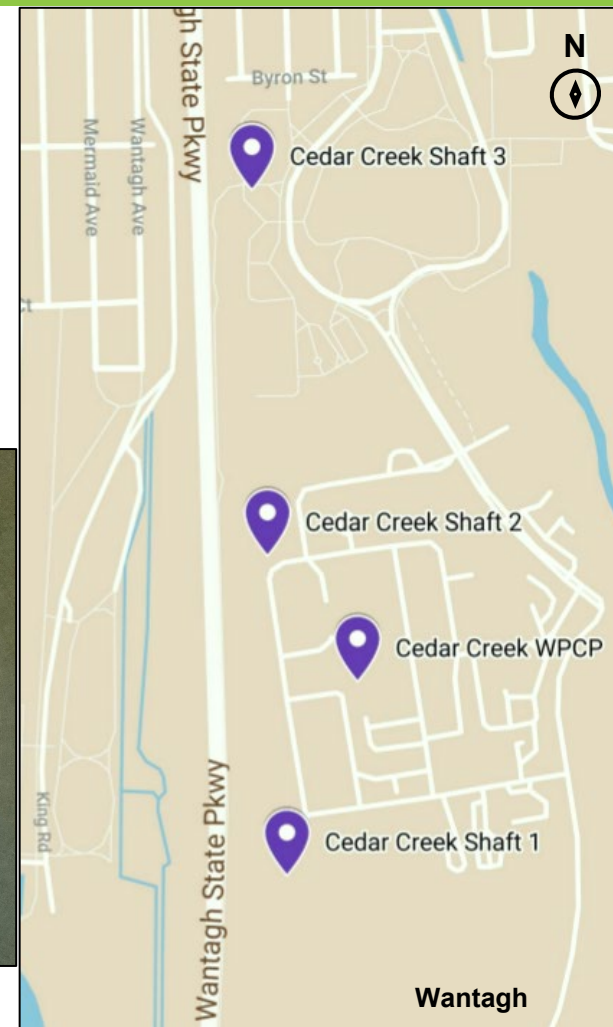
*MPT deployed at Pit F on Sunrise Highway, May 2021*

# 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.



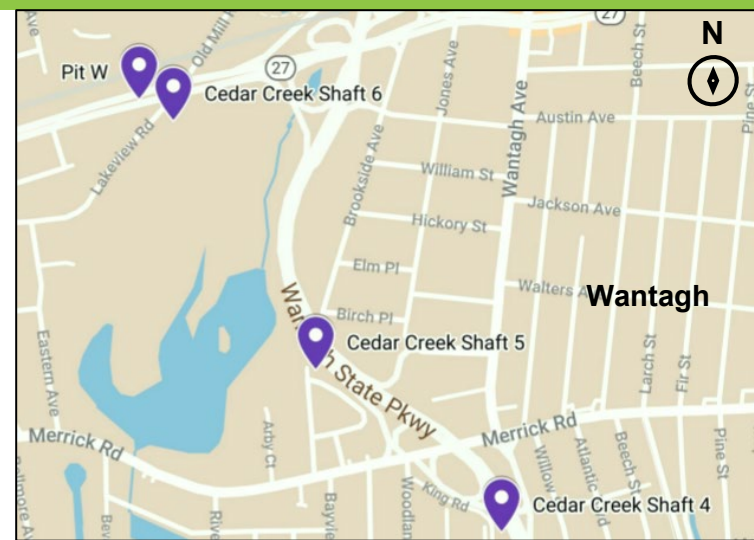
*A Look Inside Microtunneling Pipe, January 2022*





# 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*



**Email**  
BayParkConveyance@gmail.com



**Facebook**  
@BayParkConveyance



**Website**  
[www.BayParkConveyance.org](http://www.BayParkConveyance.org)





## Question and Answer Session





**Thank You!**