

ELECTED OFFICIALS AND FIRST RESPONDERS MONTHLY MEETING



The Bay Park Conveyance Project

A Western Bays Resiliency Initiative

October 25, 2022

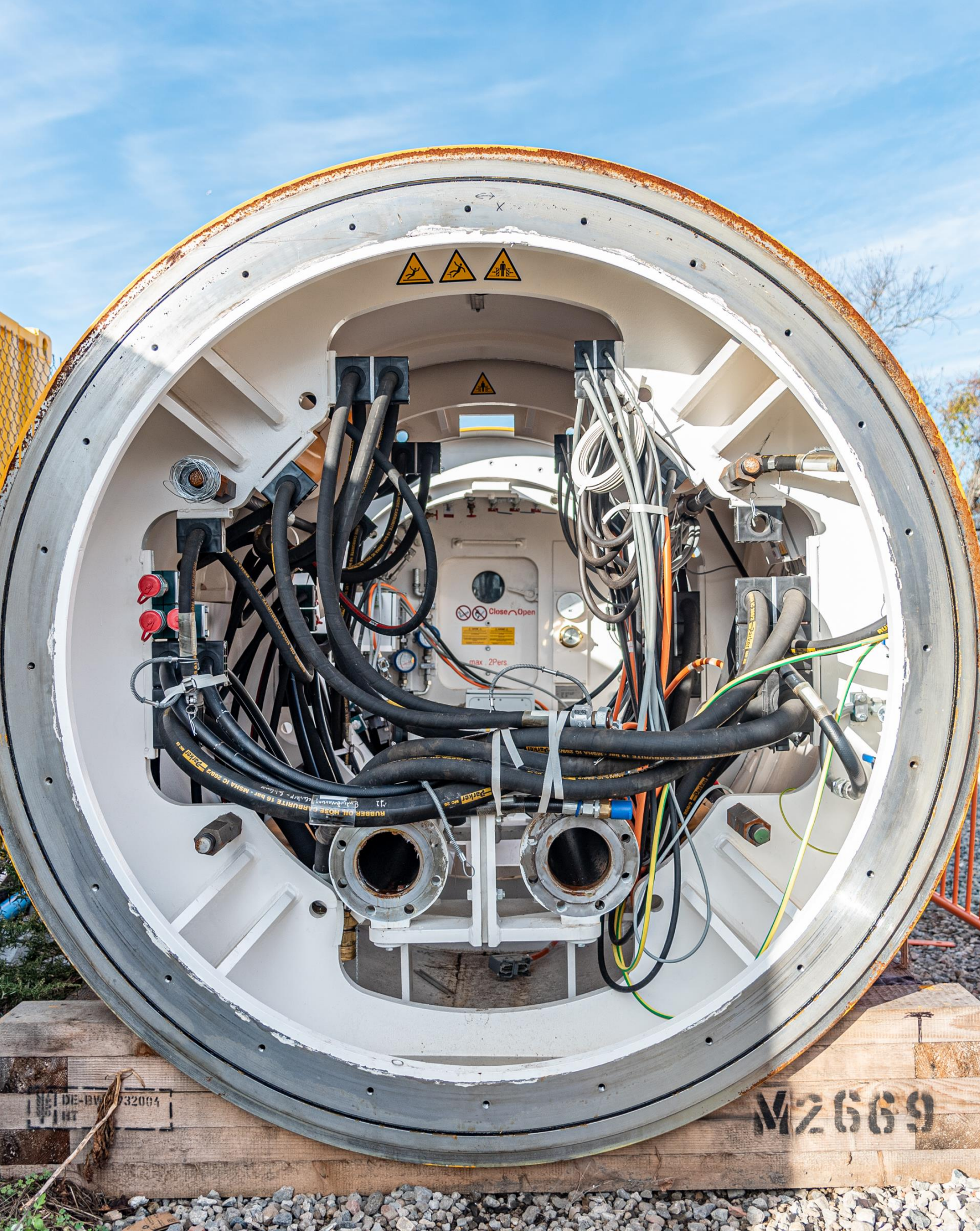


WESTERN BAYS CONSTRUCTORS
PICONE | NORTHEAST REMSCO



Department of
Environmental
Conservation



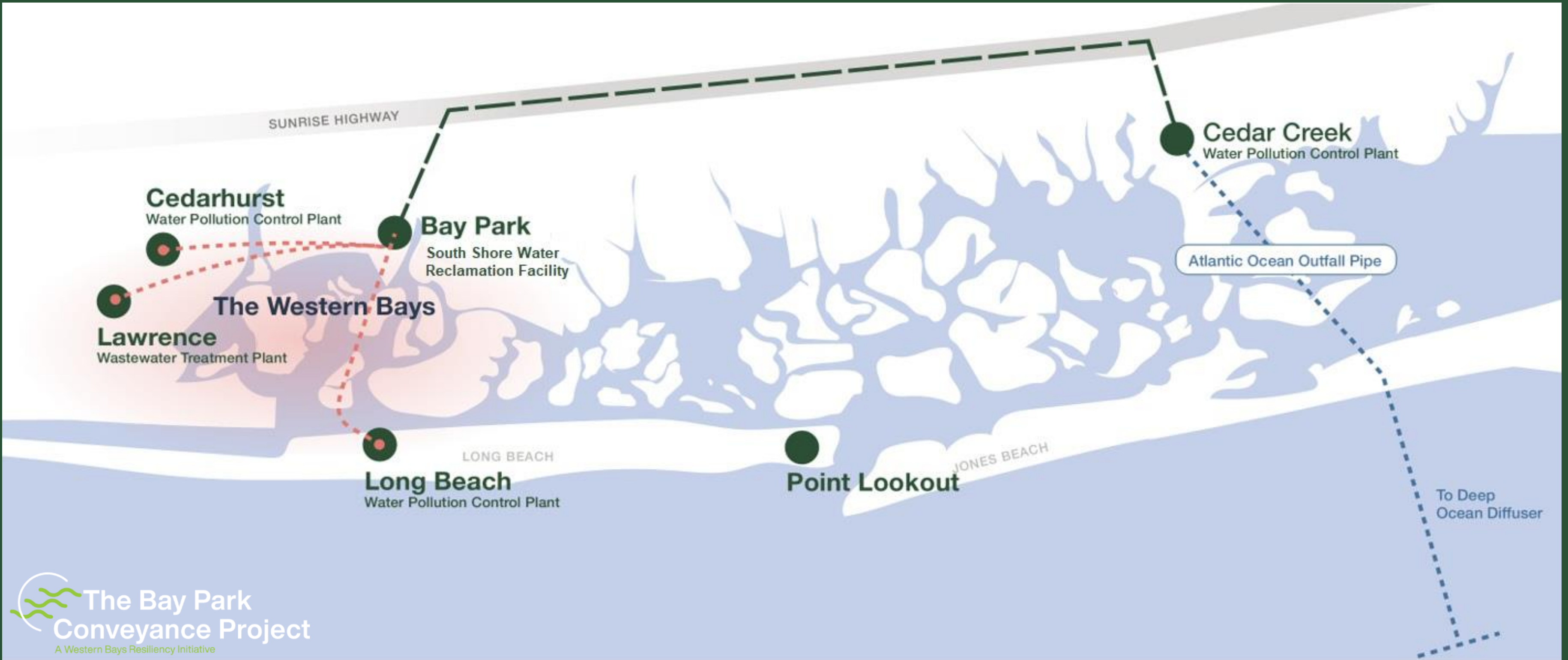


AGENDA

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

PROJECT BACKGROUND





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 Water Pollution Control Plant (WPCP) ocean outfall.

*Formerly known as 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



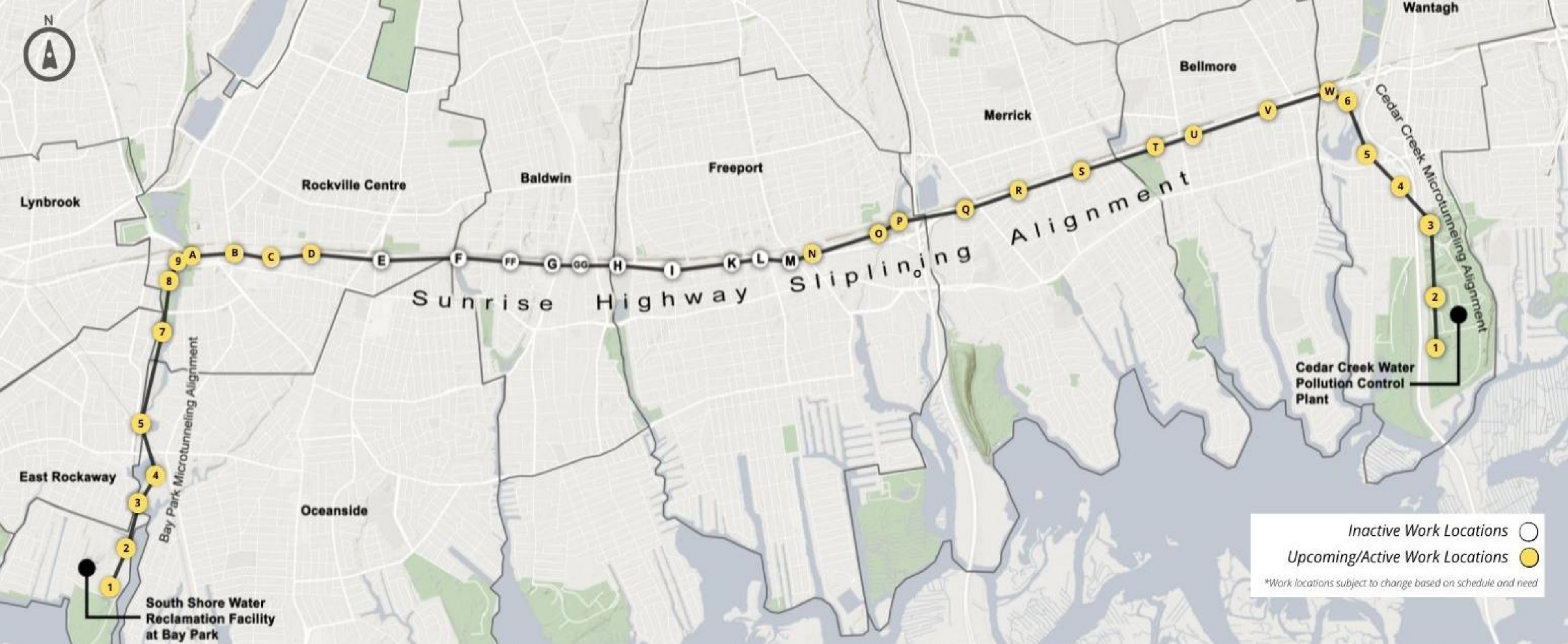
QUALITY OF LIFE FACTORS

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



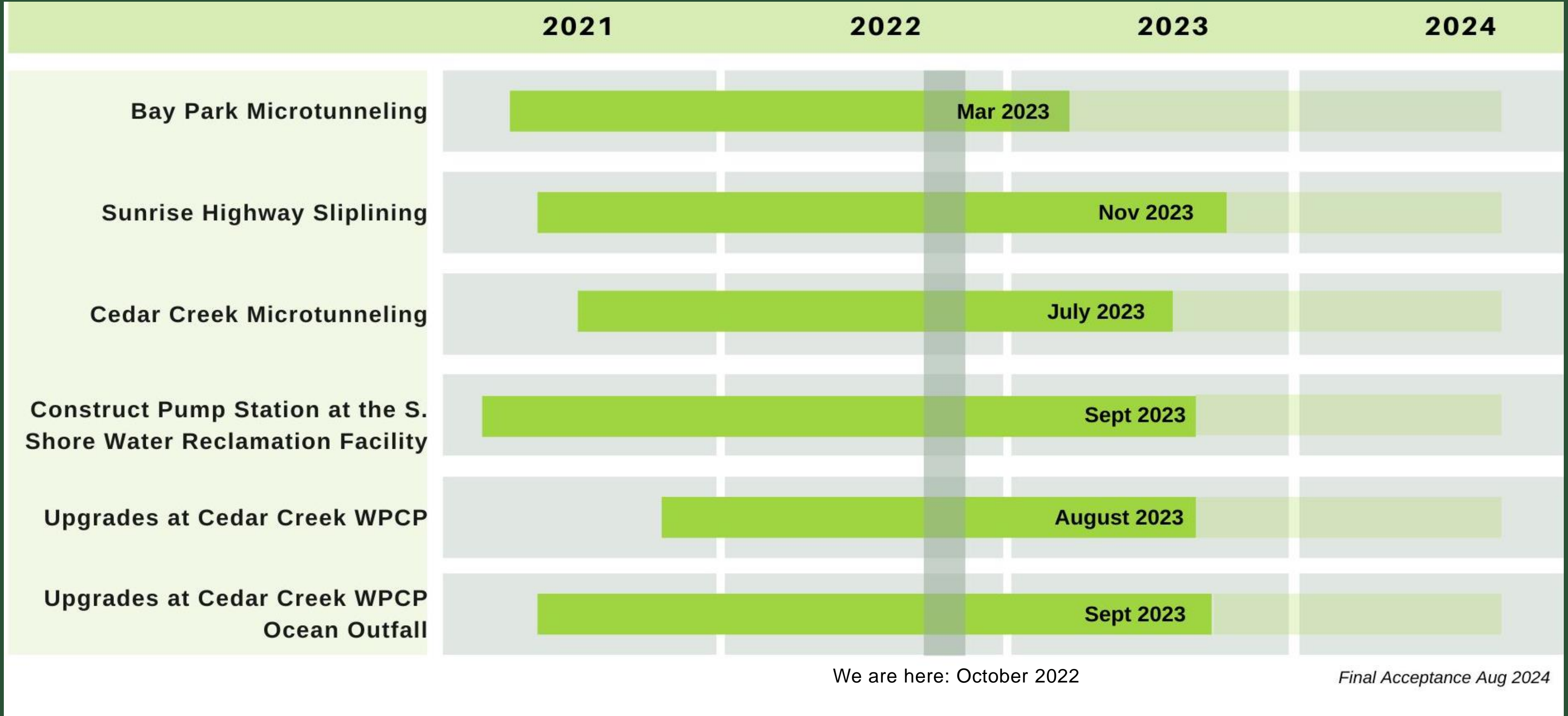
ECONOMIC BENEFITS

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



THE BAY PARK CONVEYANCE PROJECT OVERVIEW

PROJECT TIMELINE



CONSTRUCTION TECHNIQUES

- Microtunneling - 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 - Technique used for groundwater control.









CONSTRUCTION UPDATES



PROJECT BY THE NUMBERS

MICROTUNNELING PROGRESS BY THE NUMBERS

<p>14/14 SHAFTS UNDER CONSTRUCTION</p> 	<p>8 SHAFTS EXCAVATED</p> 
<p>2 MICROTUNNELING DRIVES COMPLETED</p> 	<p>1 MICROTUNNELING DRIVE UNDERWAY</p> 
<p>2,996 LINEAR FEET OF MICROTUNNELING COMPLETED</p> 	<p>15% OF MICROTUNNELING COMPLETED</p> 







95%
OF DESIGN COMPLETED



40%
OF OVERALL CONSTRUCTION COMPLETED



SLIPLINING PROGRESS BY THE NUMBERS

<p>14/24 PITS UNDER CONSTRUCTION</p> 	<p>9 PITS EXCAVATED</p> 
<p>9 SLIPLINING OPERATIONS COMPLETED</p> 	<p>0 SLIPLINING OPERATIONS UNDERWAY</p> 
<p>16,993 LINEAR FEET OF SLIPLINING COMPLETED</p> 	<p>46% OF SLIPLINING COMPLETED</p> 

BAY PARK SHAFT 1 (BP1)

- Next to BP1, crews are constructing a new pump station, wet well, and diversion structure.
- Crews continue to build the roof slab of the wet well.
- In November, crews will begin to install structural steel for the pump station.



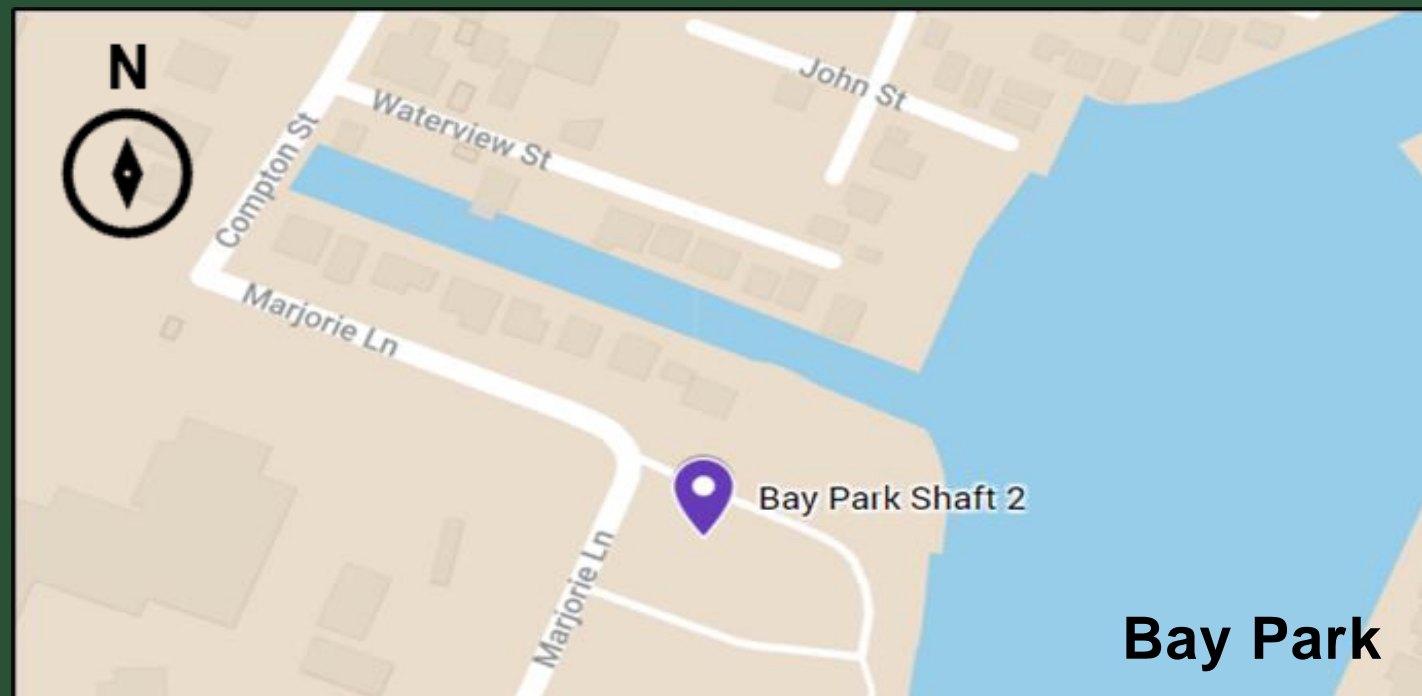
Location: Within the footprint of the South Shore Water Reclamation Facility at Bay Park



Diversion Structure Construction Near BP1 (September 2022)

BAY PARK SHAFT 2 (BP2)

- Microtunneling from BP2 to BP1 and BP2 to Bay Park Shaft 3 is complete. Final grouting is underway.
- Crews are demobilizing the microtunneling equipment and commencing closure operations at the shaft.
- Park users will continue to observe increased construction equipment and vehicles near Marjorie Lane.



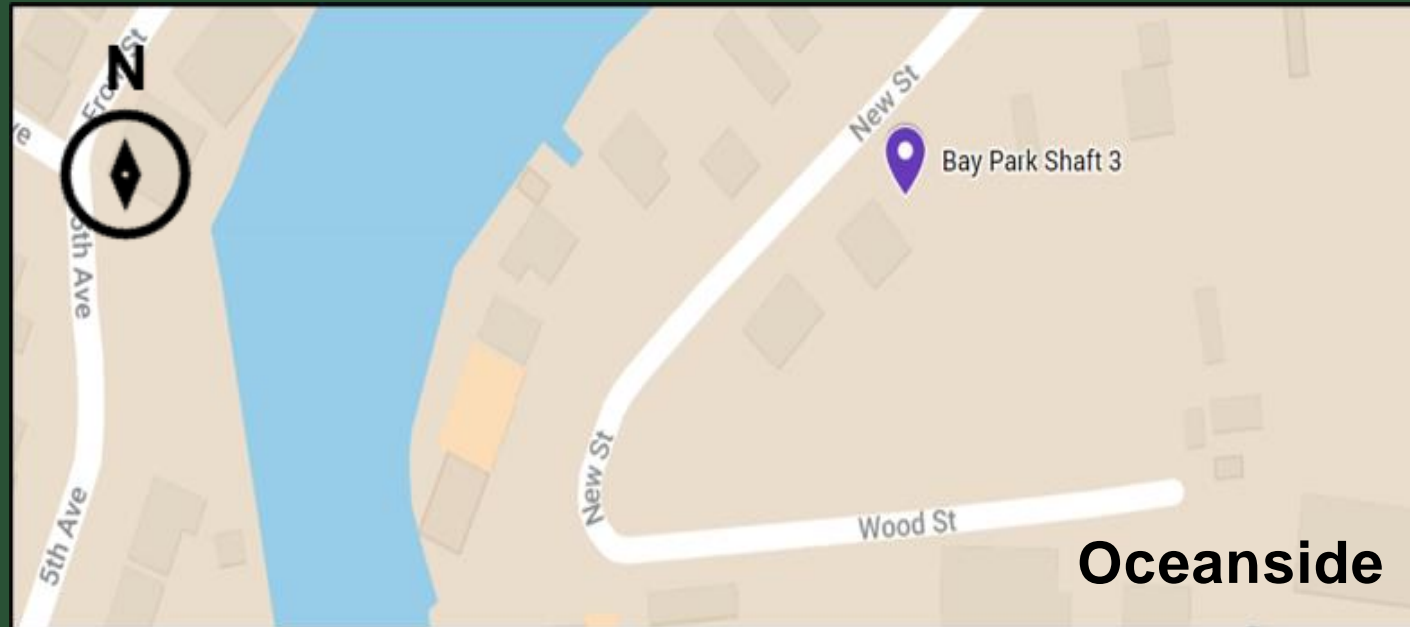
Location: Within the boundaries of Nassau County's Bay Park, at the northeast corner of Marjorie Lane



BP2 Microtunnel Operations (September 2022)

BAY PARK SHAFT 3 (BP3)

- The microtunnel boring machine (MTBM), “MARSH-MELLOW”, arrived at BP3 from BP2 in September.
- Grouting operations are underway.
- Crews continue to prep the area in advance of microtunneling from BP3 to Bay Park Shaft 4, which is anticipated to begin in early November.



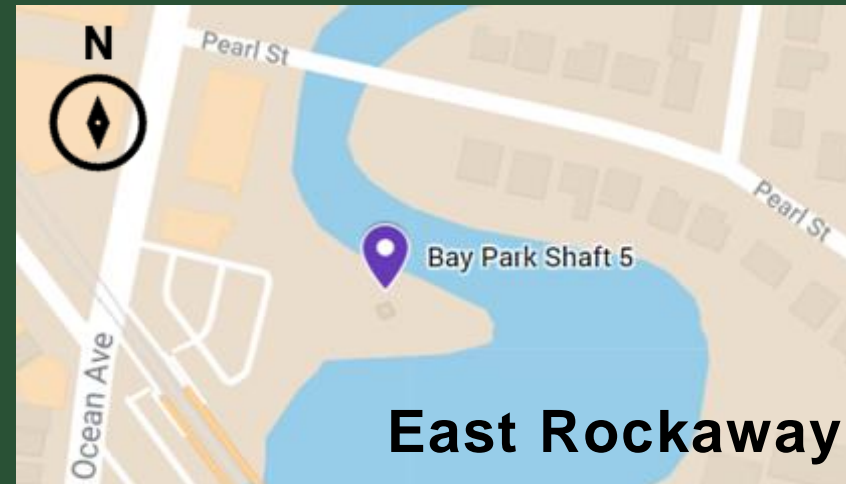
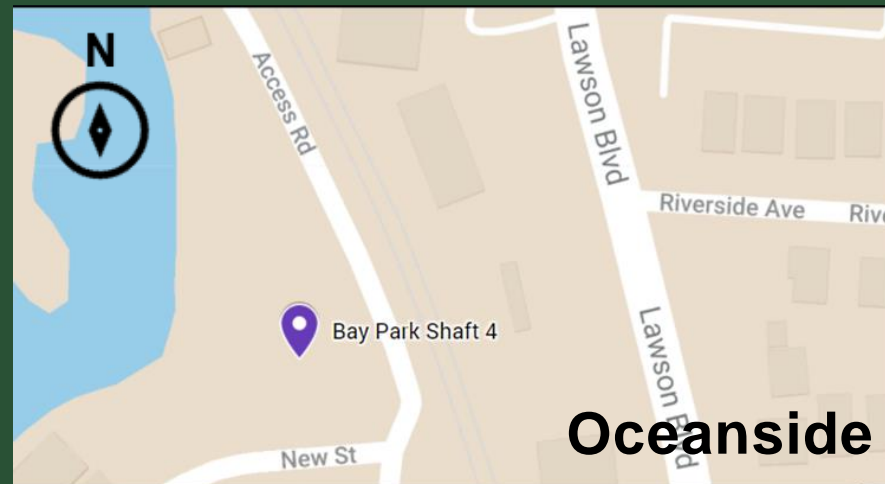
Location: Private property off New Street in Oceanside



BP3 Construction Site (September 2022)

BAY PARK SHAFTS 4 (BP4) AND 5 (BP5)

- At BP4 and BP5, shaft excavation is complete.
- Crews are constructing a reinforced concrete liner wall at both locations.
- Oxbow Park will remain closed through approx. March 2023.
- BP4 will receive MARSH-MELLOW from BP3.



Locations:

BP4: Private property off New Street in Oceanside

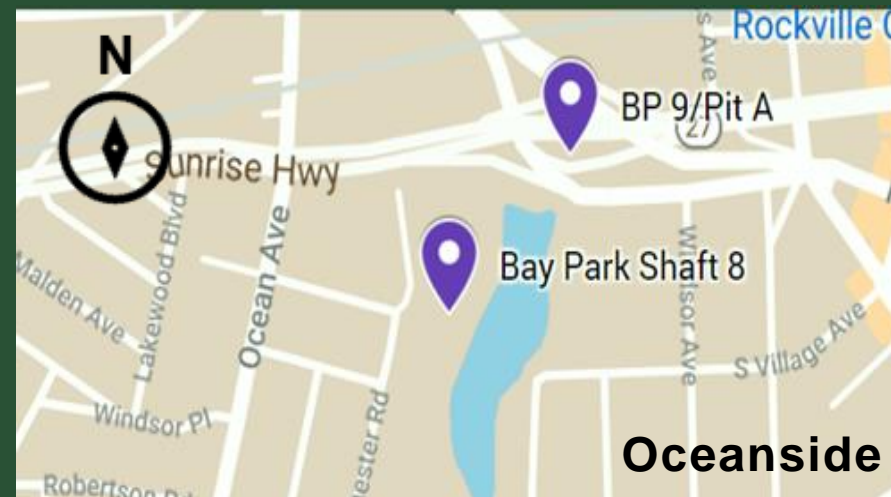
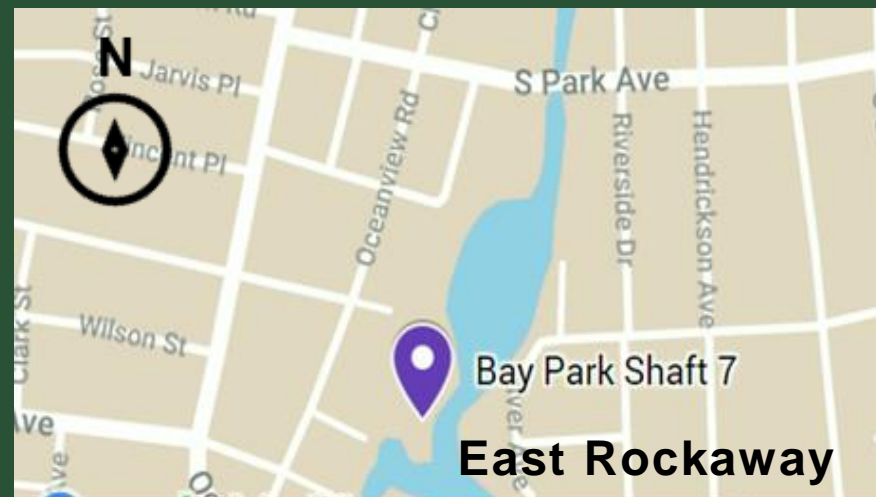
BP5: East Rockaway Oxbow Park off Ocean Avenue near the East Rockaway LIRR Station



BP5 Construction Site (September 2022)

BAY PARK SHAFTS 7 (BP7) AND 8 (BP8)

- At BP7 and BP8, shaft excavation is underway and will continue through November.
- Crews will continue to use BP7 and BP8 site locations for storage/laydown purposes.



Locations:

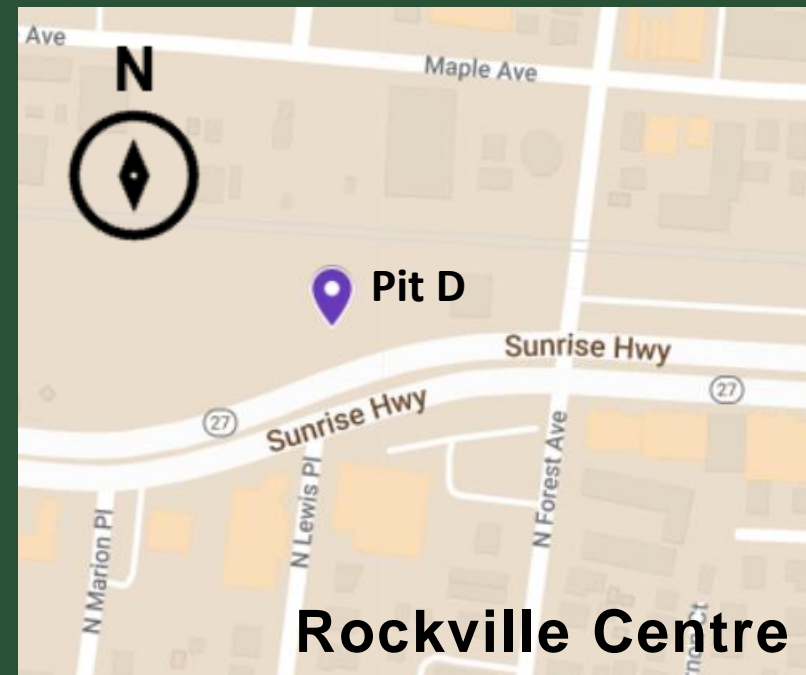
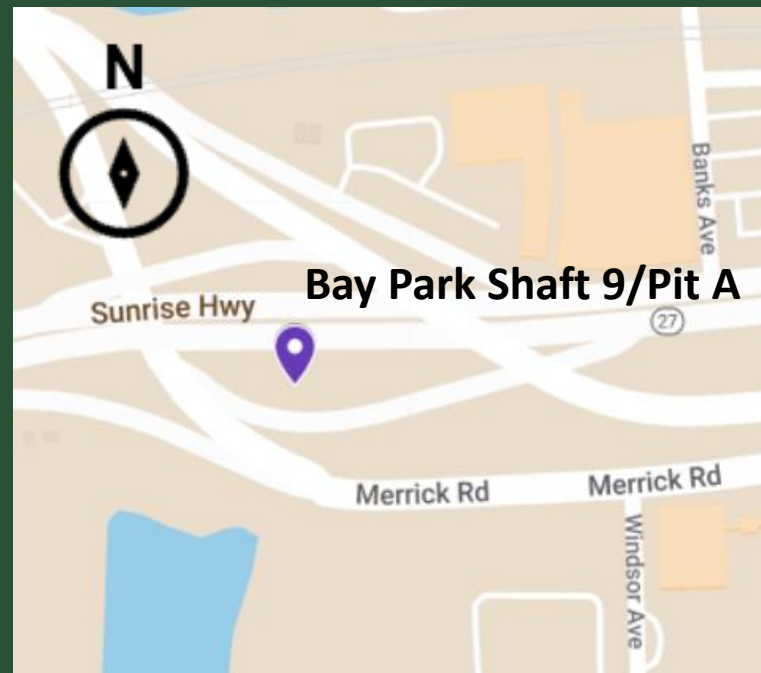
BP7: Rockville Centre Department of Public Works Yard off Mill River Avenue

BP8: Rockville Centre's Lister Field at the Mill River Complex Park



Excavation at BP7 (September 2022)

BAY PARK SHAFT 9/PIT A AND PIT D



Locations:

BP9 / Pit A: A construction entrance has been established at Sunrise Highway/Merrick Road Interchange

Pit D: A construction entrance has been established at Joyce Field in Rockville Centre on the north side of Sunrise Highway for storage/laydown of materials

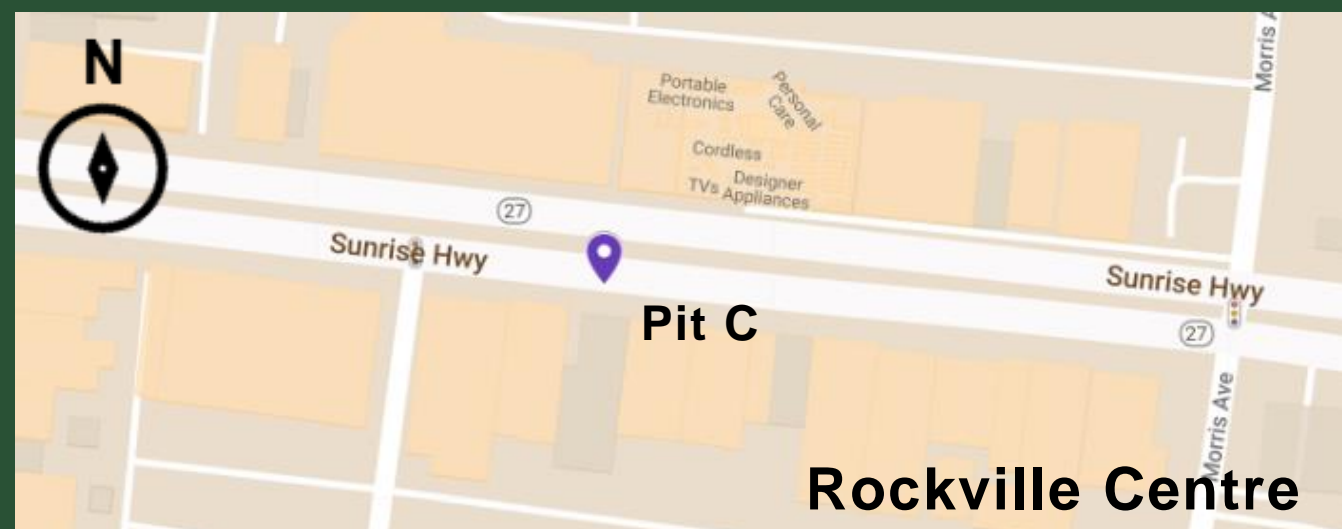
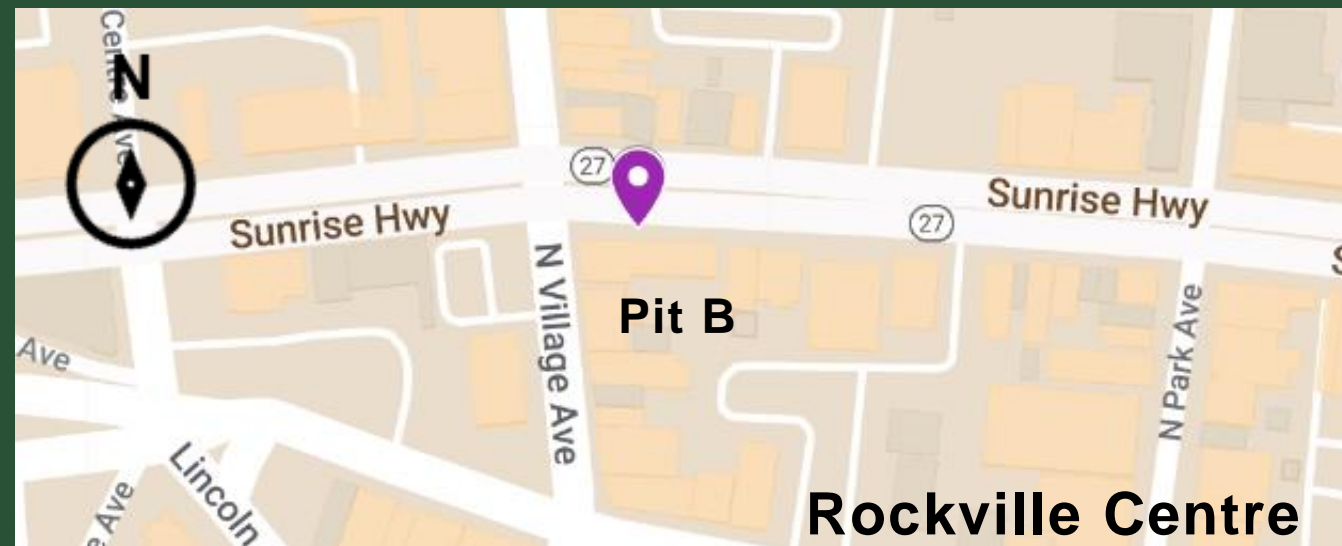
- Excavation is complete at Pits A and D.
- Preparations are underway for aqueduct cleaning from Pit A to Pit D.
- The sidewalk in front of Joyce Field, between Morris Avenue and North Forest Avenue, will remain closed for the duration of the Project until 2024.
- Eastbound lane on the Merrick Road exit ramp on Sunrise Highway will have intermittent road closures. Flaggers will direct traffic in and out of the work area.



Sheet Pile Installation near BP9 (September 2022)

SUNRISE HWY PITS B AND C

- In late October, crews will continue to install SOE in preparation for sliplining at Pits B and C.
- Installation of SOE can cause periods of noise and vibration that may be noticeable in the areas directly adjacent to the work site.
- Following SOE, sliplining will commence from Pit B to Pit C.



Locations:

Pit B: South side of Sunrise Highway between N. Village Avenue and N. Park Avenue

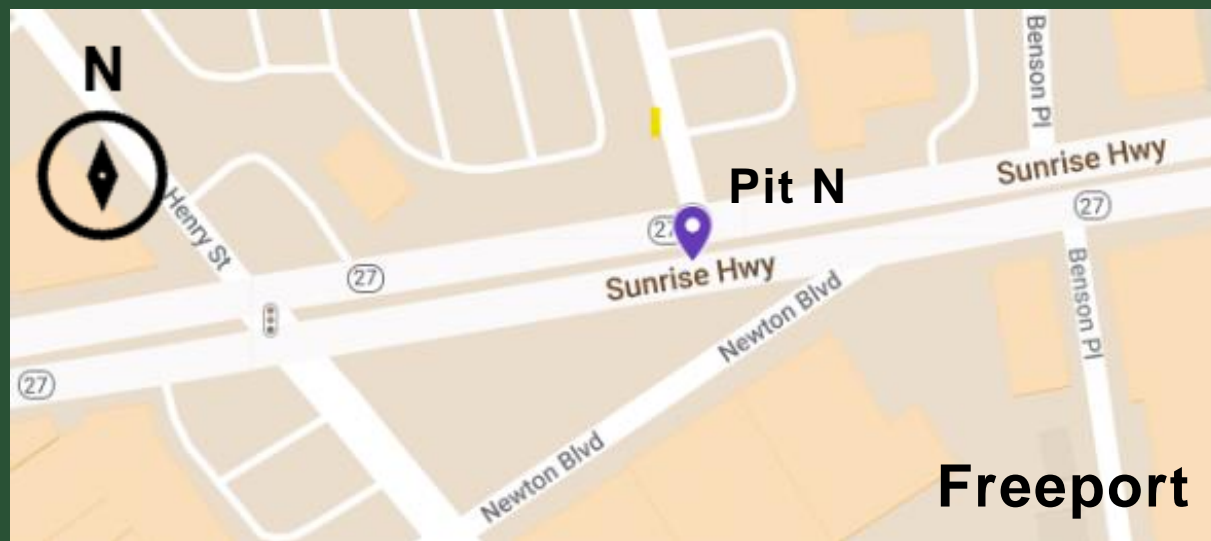
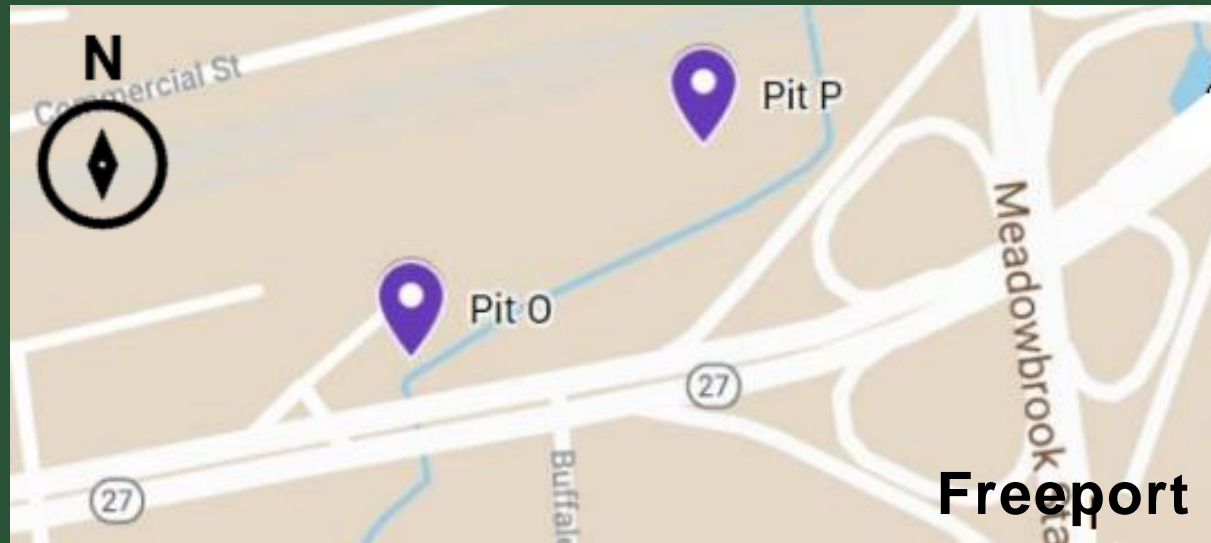
Pit C: South side of Sunrise Highway, just west of Morris Avenue



Pit B location on Sunrise Highway in Rockville Centre (September 2022) 17

SUNRISE HWY PITS N-P

- Sliplining is complete from Pit N to Pit P.
- Annular grouting is complete from Pit O to Pit P.
- WBC will continue to use Pits O and P for storage/laydown purposes.
- There will be a consistent presence of construction vehicles and crew in the area.



Locations:

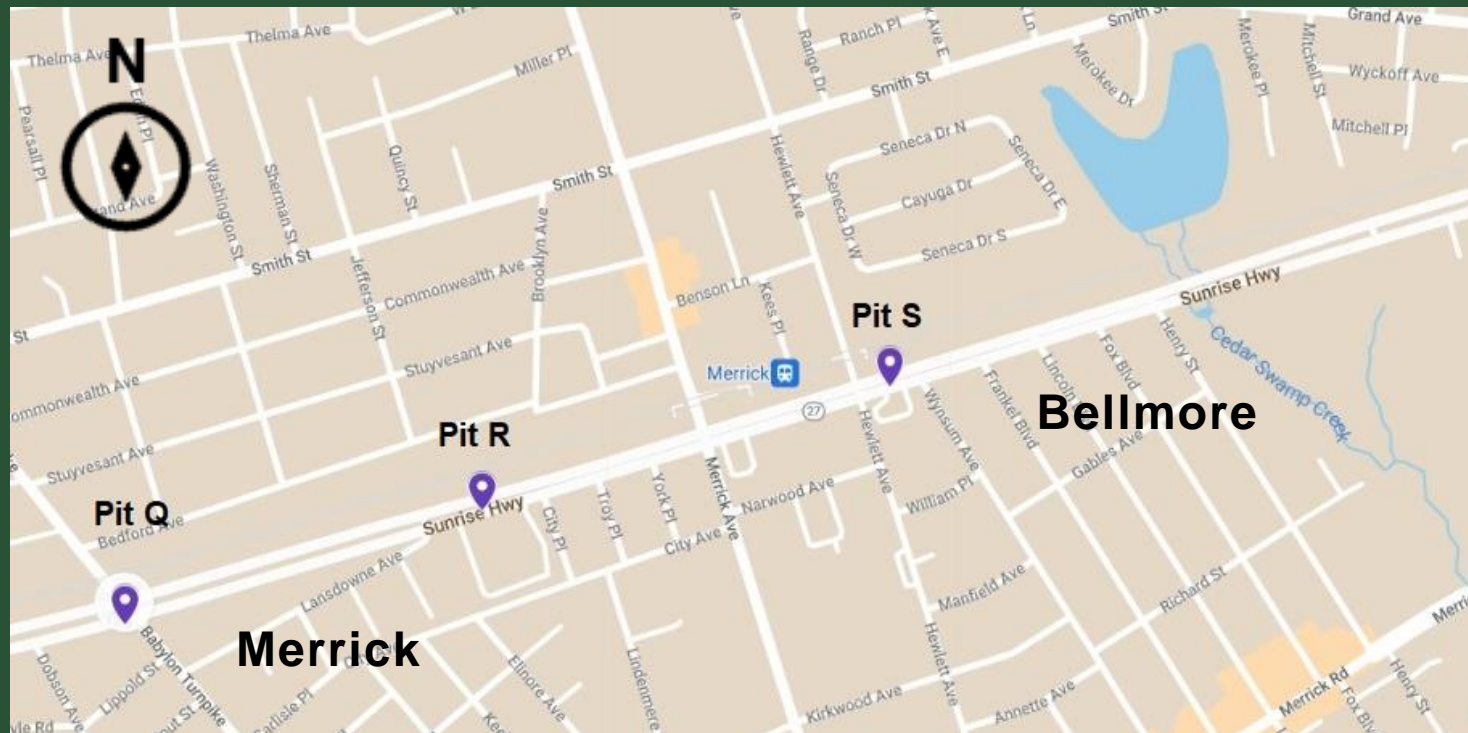
Pits O and P: North side of Sunrise Highway just west of the Meadowbrook Parkway

Pit N: South side of Sunrise Highway, just west of Newton Boulevard

Pit O Construction Site (September 2022)

SUNRISE HWY PITS Q-S

- Sliplining and annular grouting are complete from Pit Q to Pit S.
- Crews have installed a manhole at Pit Q.
- Pit R is backfilled. Planning and work are underway for pit closure and restoration at Pits Q and R.



Locations:

Pit Q: South side of Sunrise Highway, just west of Babylon Turnpike

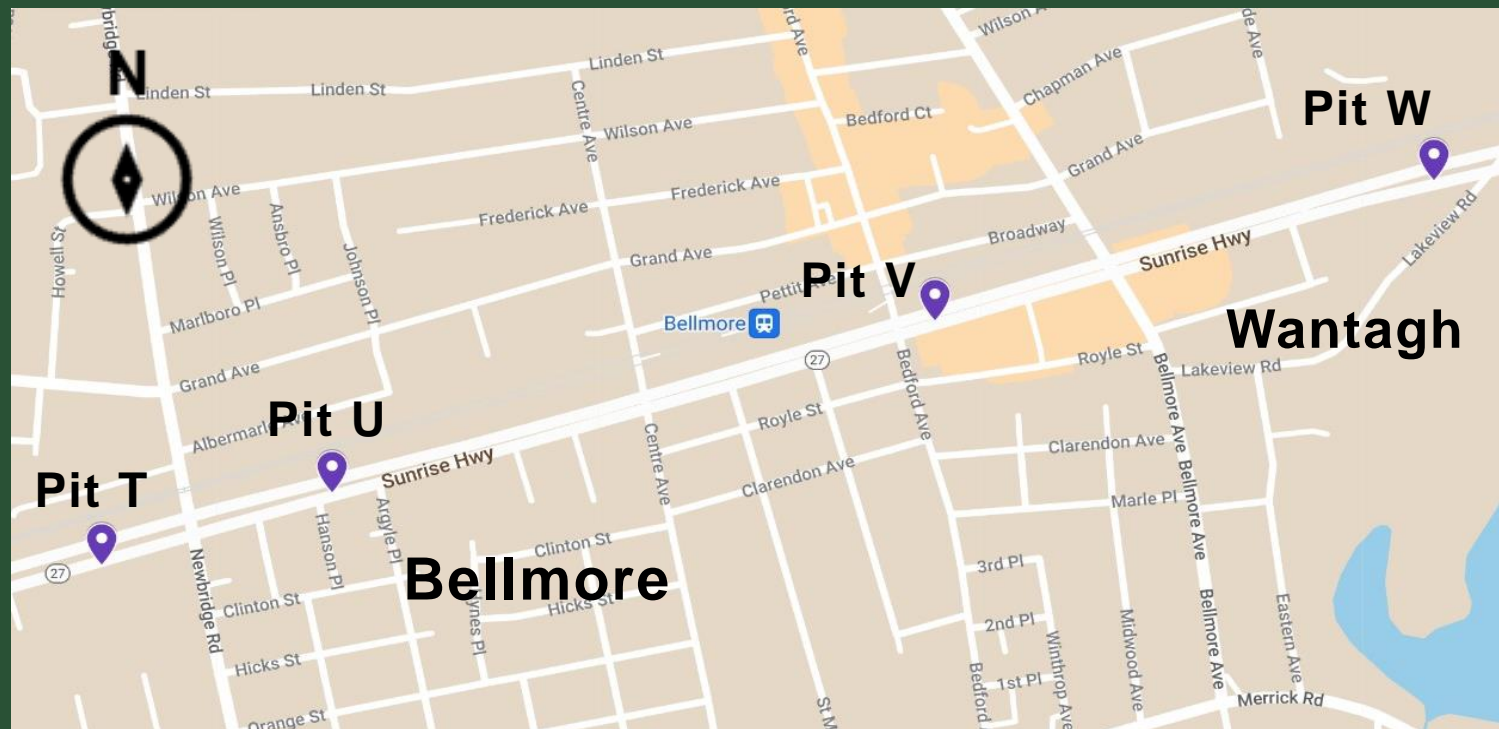
Pit R: South side of Sunrise Highway east of the Babylon Turnpike between Lansdowne Avenue and City Place

Pit S: South side of Sunrise Highway, east of the Meadowbrook Parkway between Hewlett Avenue and Wynsum Avenue



Pipe Storage along Sunrise Highway (September 2022)

SUNRISE HWY PITS T-W



Locations:

Pit T: South side of Sunrise Highway, just west of Newbridge Road

Pit U: South side of Sunrise Highway, east of Newbridge Road, between Hanson Place and Argyle Place

Pit V: South side of Sunrise Highway, just east of Bedford Avenue

Pit W: South side of Sunrise Highway just west of Lakeview Road in Wantagh

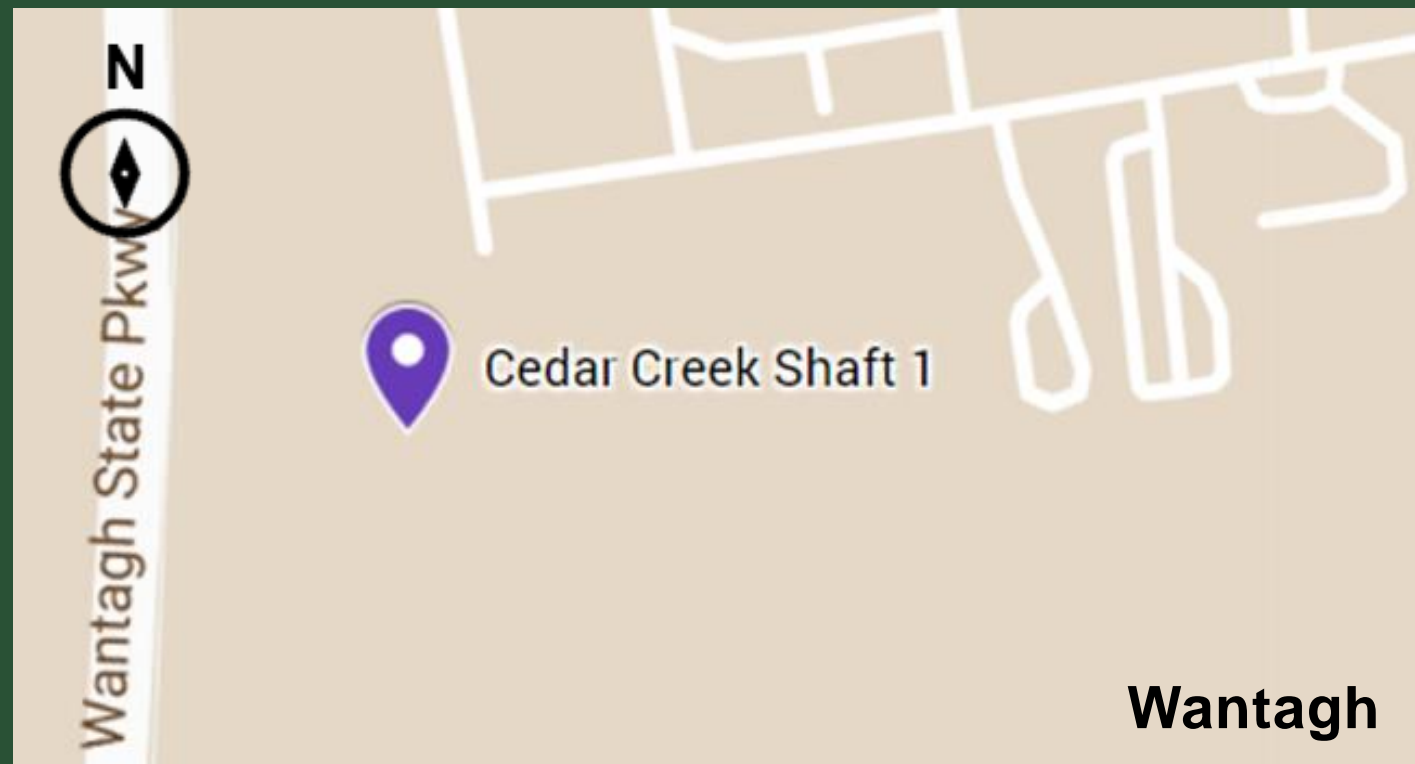
- Sliplining and annular grouting from Pit S to Pit W are complete.
- Pit V is backfilled.
- Crews are constructing an open trench from Pit W to Cedar Creek Shaft 6 (CC6) to connect the Sunrise Highway conveyance pipe to the Cedar Creek pipeline.
- Installation of maintenance and protection of traffic (MPT) is underway in advance of SOE installation at Pit W.



Construction at Pit W (September 2022)

CEDAR CREEK SHAFT 1 (CC1)

- Crews continue to prep the site to receive the MTBM, P.O.S.E.I.D.O.N., arriving from Cedar Creek Shaft 2.
- Helical pile foundation installation is underway.
- Crews are installing the foundation for the receiving station.
- Work at this location should have no noticeable impact to Cedar Creek Park users.



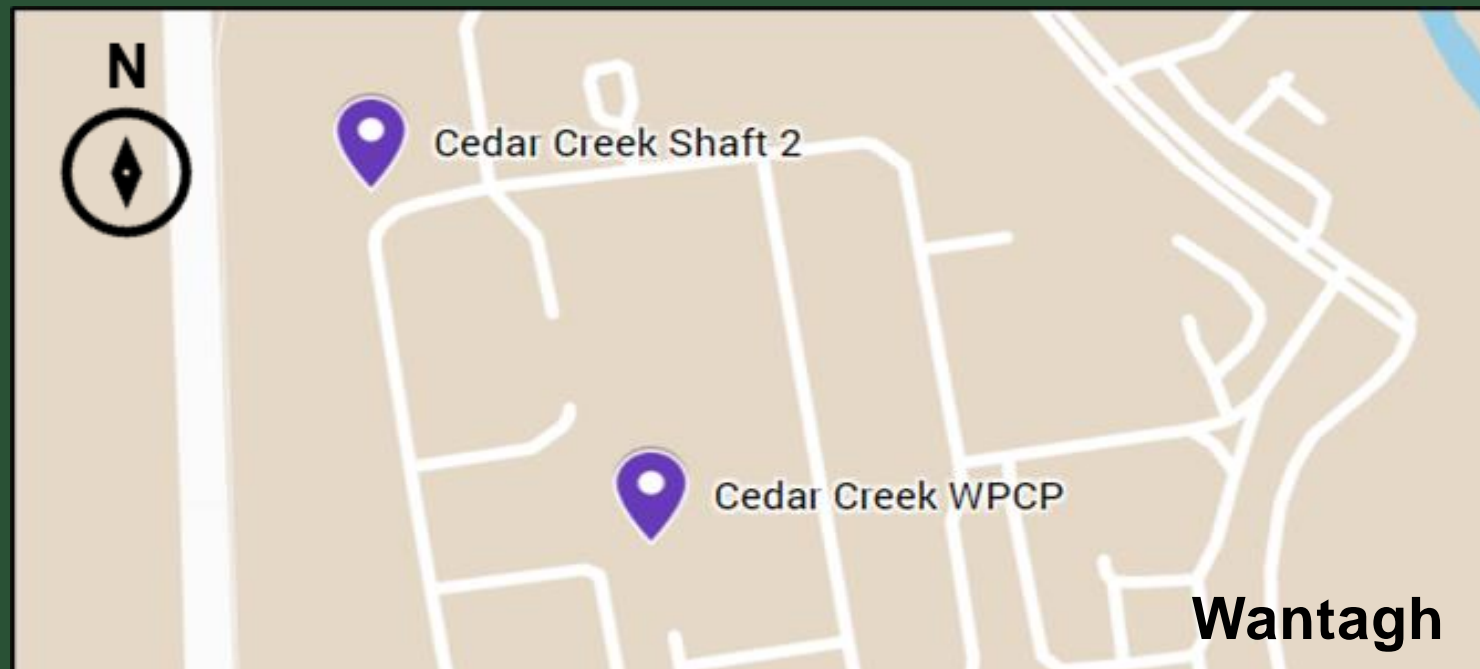
Location: Within footprint of the Cedar Creek WPCP



Construction at the Cedar Creek WPCP Receiving Station
(September 2022)

CEDAR CREEK SHAFT 2 (CC2)

- P.O.S.E.I.D.O.N. successfully launched from CC2 and is microtunneling to CC1.
- Upon arrival of the MTBM at CC1, microtunneling will continue north from CC2 to Cedar Creek Shaft 3.



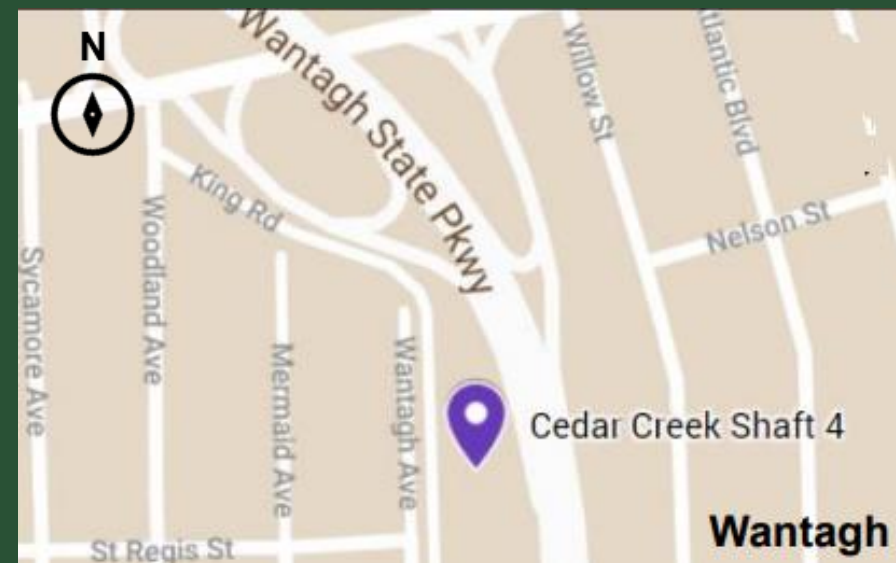
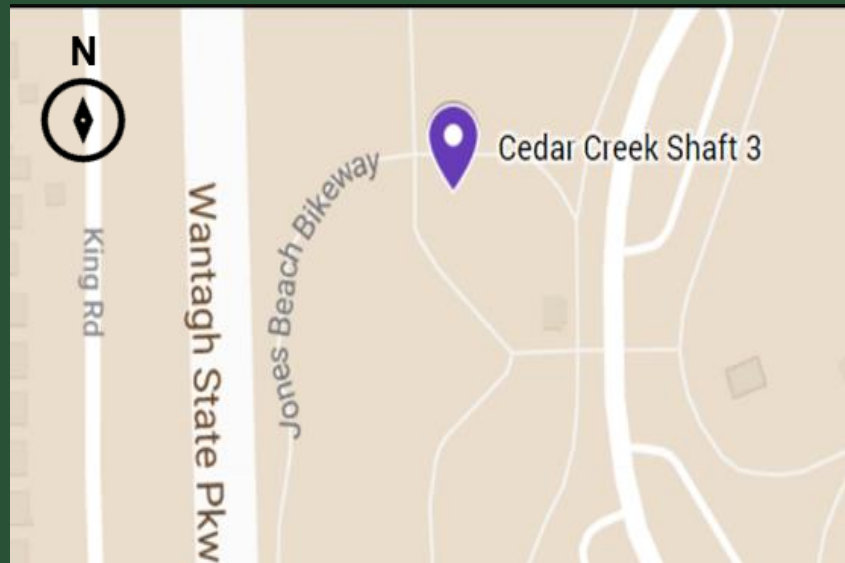
Location: Within the footprint of the Cedar Creek WPCP



Commencement of Microtunneling at Cedar Creek
(October 2022)

CEDAR CREEK SHAFTS 3 (CC3) AND 4 (CC4)

- Crews continue to prepare CC3 for the next microtunnel operation from CC2 to CC3.
- At CC4, shaft excavation is complete. Crews are constructing a reinforced concrete liner wall.
- Pipe will continue to be stored directly adjacent to the CC4 site.



Locations:

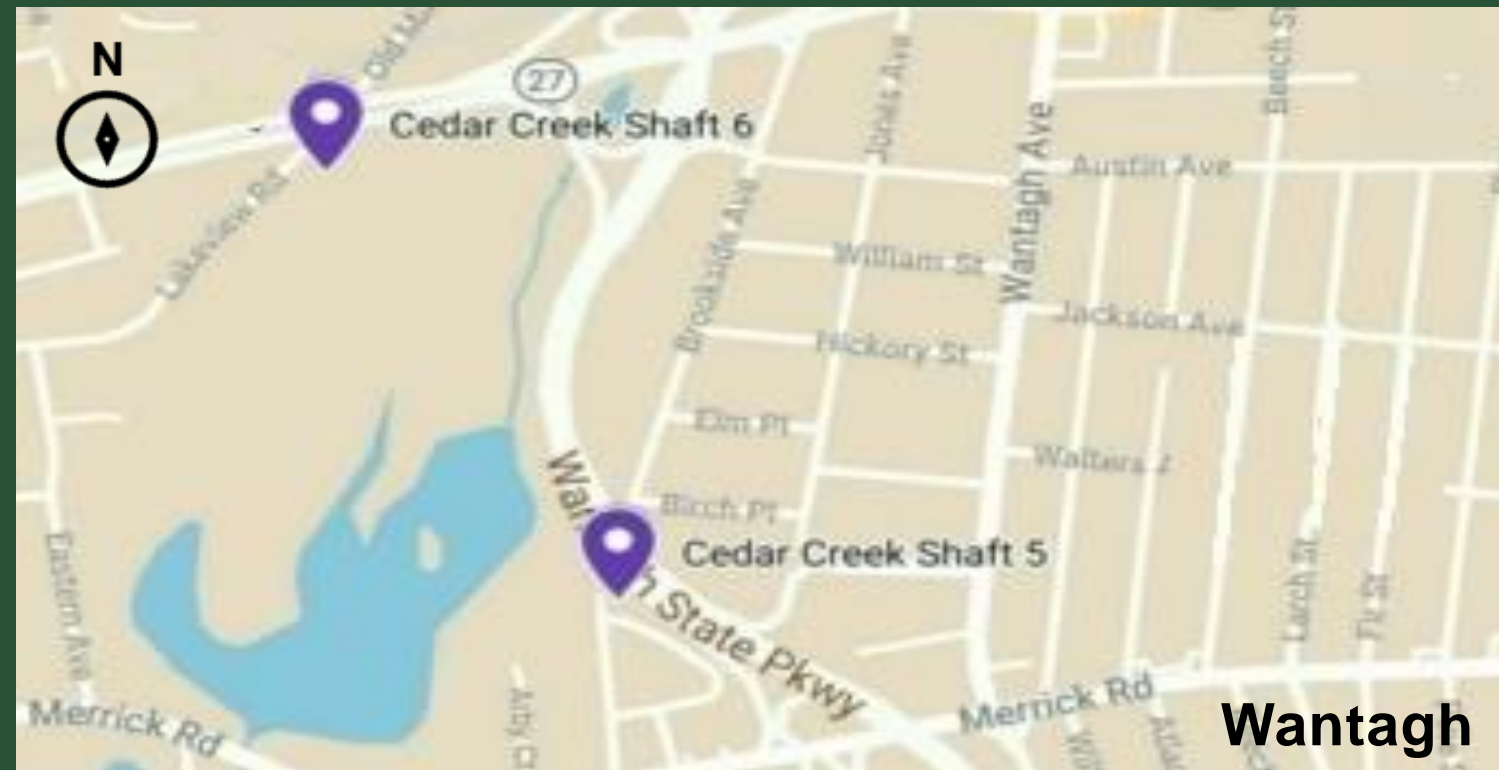
CC3: Cedar Creek Park near the entrance to the Wantagh State Parkway and Jones Beach Bike Path.
CC4: Off King Road adjacent to Wantagh Avenue/St. Regis Street.



Pipe Storage at CC4 (September 2022)

CEDAR CREEK SHAFTS 5 (CC5) AND 6 (CC6)

- At CC5, shaft excavation is complete. Crews are constructing a reinforced concrete liner wall.
- At CC6, crews are preparing the site in advance of excavation, anticipated to begin in December.



Locations:

CC5: At the intersection of Brookside Avenue and Linden Street just west of the Wantagh State Parkway

CC6: Off Lakeview Road south of Sunrise Highway



Construction at CC6 (October 2022)

PROTECTION OF TRAVELING PUBLIC AND WORK ZONES

- The Project team has deployed Work Zone Traffic Control and MPT signage to protect public safety and assist motorists and pedestrians around WBC work areas.
- Variable Message Signage boards are deployed in advance of lane closures.
- Weekly “Before You Go” Facebook posts highlight lane closures for the week ahead.
- The Project team distributes canvassing notices to nearby residents and businesses, as needed.



TREE REMOVAL AND RESTORATION

- Limited removal of vegetation and trees facilitates construction across the Project alignment.
- NYSDEC and NCDPW are committed to – at a minimum – replacing trees removed during construction.
- Tree restoration plan and schedule for replanting are being developed.





SPOTLIGHT ON SAFETY & CONSTRUCTION TIDINESS

- All work pits and shafts are enclosed and protected with fencing, inaccessible to the public.
- WBC is following all OSHA guidelines.
- Quality control team is present during each operation.
- Emergency services briefed monthly including onsite visits to shaft/pit locations.
- Ongoing coordination with WBC safety to establish protocol for emergency situations.

STAKEHOLDER ENGAGEMENT



COMMUNITY INFORMATION CENTER (CIC)

- The CIC, located at 265 Sunrise Highway in Rockville Centre, is open.
- WBC offers in-person and virtual meetings from the CIC.
- Project representatives present:
 - M, W and F: 8am - 3pm
 - Tu and Th: 12pm - 7pm
 - Every other Sat: 9am - 12pm
- Available to meet by appointment.
- Please visit the Project website for updated hours.



COMMUNITY OUTREACH PROGRAM

- Construction monthly look aheads and e-blasts.
- Door-to-door and digital canvassing notices.
- “Before You Go” Facebook campaign posted weekly.
- Quarterly Newsletters and public information sessions.
- Dedicated 24/7 project hotline, email, Facebook, and website.
- “What’s Happening Here” signs at each work location.
- Attendance at community events.





CONTACT US

Email

BayParkConveyance@gmail.com

24/7 Project Hotline

(516) 252-6121

Website

www.BayParkConveyance.org

Community Information Center

265 Sunrise Highway

Rockville Centre, New York 11570

*See website for hours

Facebook

@BayParkConveyance



QUESTION AND ANSWER SESSION



THANK YOU!



The Bay Park
Conveyance Project

A Western Bays Resiliency Initiative