

# ELECTED OFFICIALS AND FIRST RESPONDERS MONTHLY MEETING



## The Bay Park Conveyance Project

A Western Bays Resiliency Initiative

September 27, 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

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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

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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

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

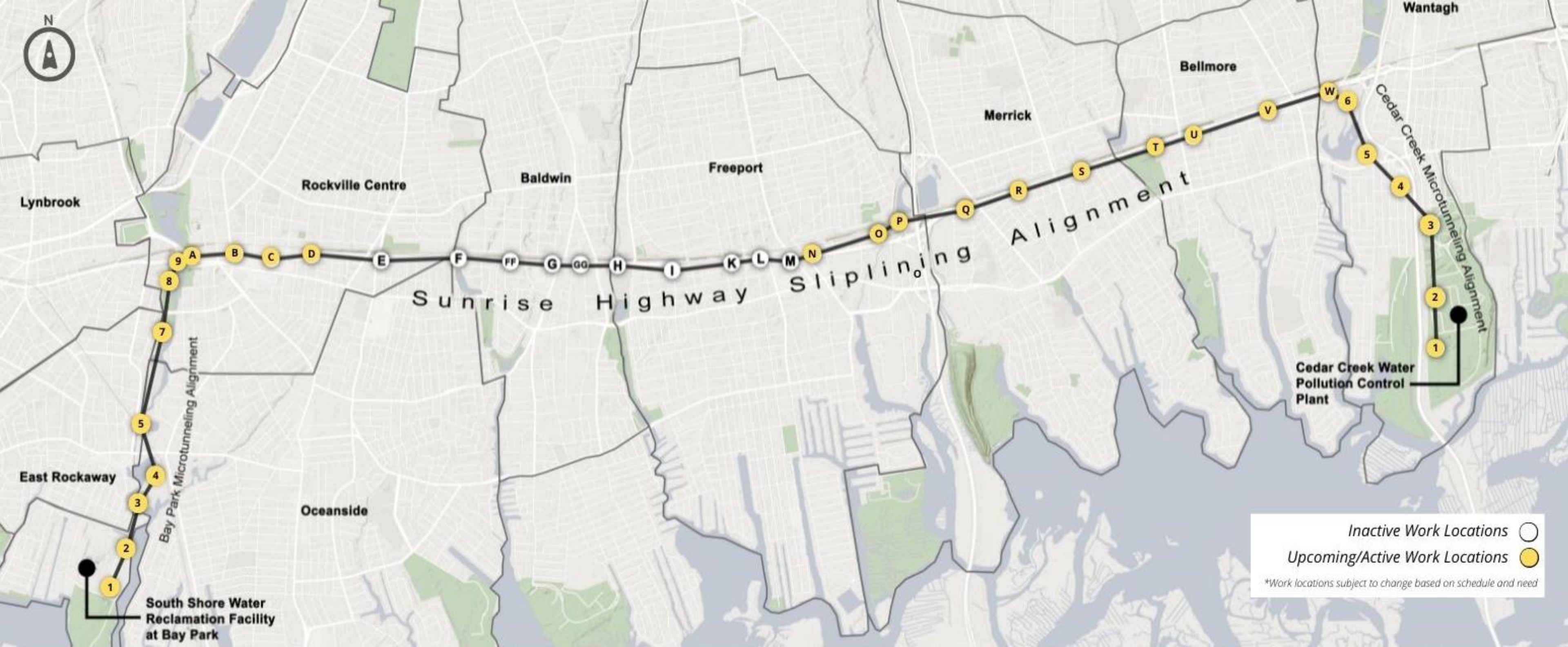


## ECONOMIC BENEFITS

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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

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# PROJECT BY THE NUMBERS

## MICROTUNNELING PROGRESS BY THE NUMBERS

14

SHAFTS UNDER  
CONSTRUCTION



8

SHAFTS EXCAVATED



2

MICROTUNNELING  
DRIVES COMPLETED



0

MICROTUNNELING  
DRIVES UNDERWAY



2,912

LINEAR FEET OF  
MICROTUNNELING  
COMPLETED



15%

OF MICROTUNNELING  
COMPLETED



## SLIPLINING PROGRESS BY THE NUMBERS

14

PITS UNDER  
CONSTRUCTION



9

PITS EXCAVATED



9

SLIPLINING OPERATIONS  
COMPLETED



0

SLIPLINING OPERATIONS  
UNDERWAY



14,764

LINEAR FEET OF  
SLIPLINING  
COMPLETED



40%

OF SLIPLINING  
COMPLETED





# BAY PARK SHAFT 1 (BP1)

- Next to BP1, crews are constructing a new pump station, wet well, and diversion structure.
- Crews continue to install pump station columns and pour concrete for interior walls of the wet well and diversion structure.



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

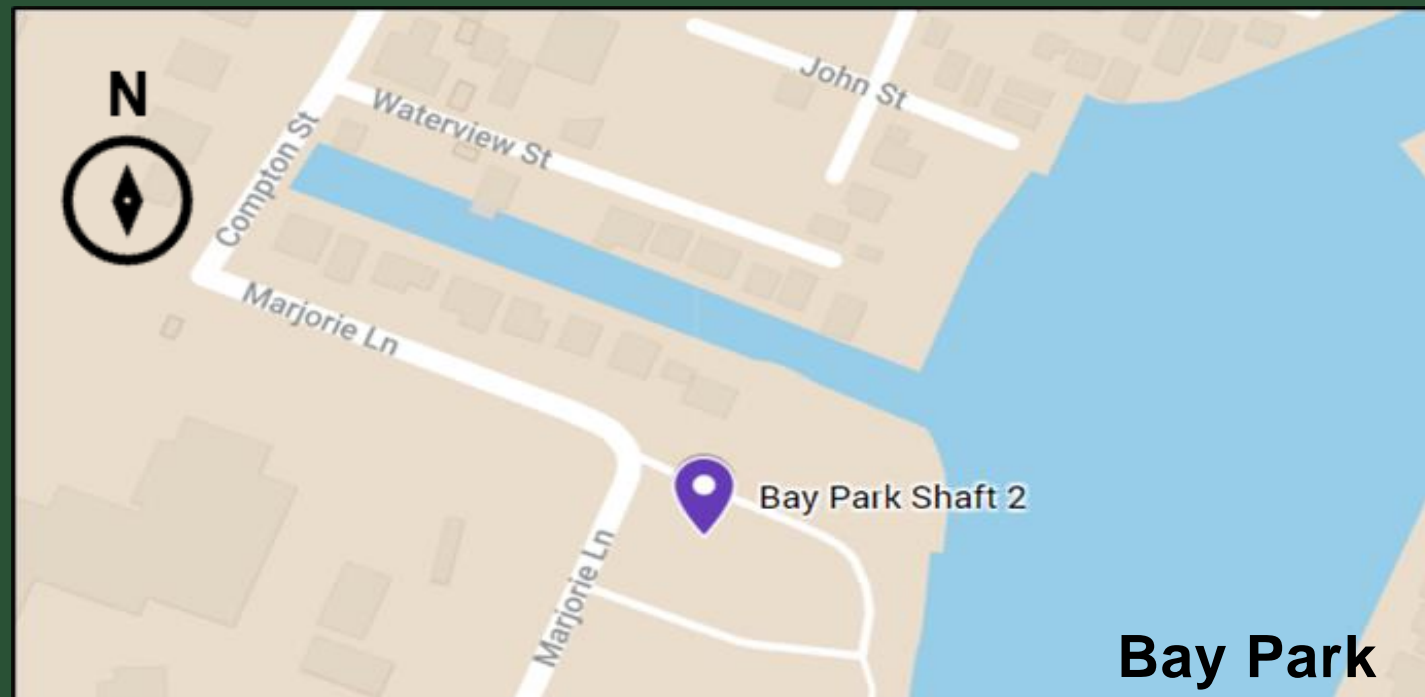


Diversion Structure Construction Near BP1 (August 2022)



# BAY PARK SHAFT 2 (BP2)

- Microtunneling from BP2 to BP1 and BP2 to BP3 is complete.
- Supporting activities including grouting will continue through October.
- Park users will 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

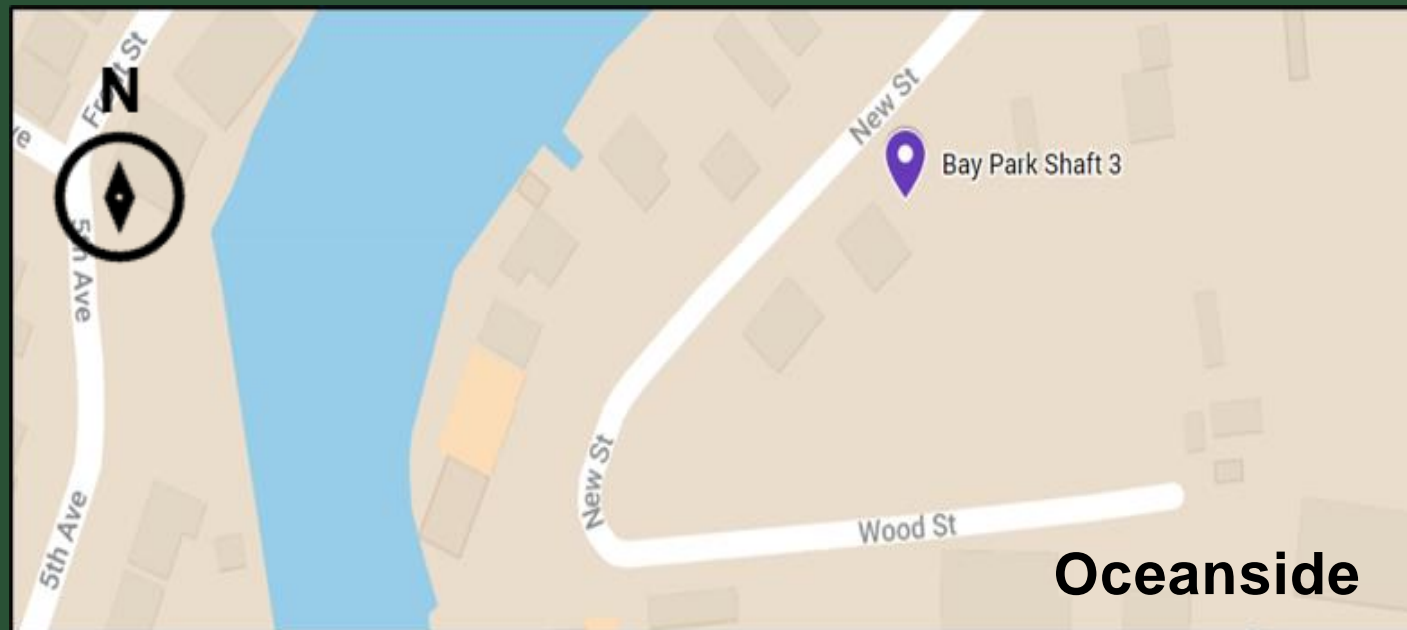


BP2 Microtunnel Operations (July 2022)



# BAY PARK SHAFT 3 (BP3)

- The microtunnel boring machine (MTBM), “MARSH-MELLOW”, arrived at BP3 from BP2.
- Grouting operations are in progress.
- Crews continue to prep the area in advance of microtunneling from BP3 to BP4, which is anticipated to begin in October.



Location: Private property off New Street in Oceanside

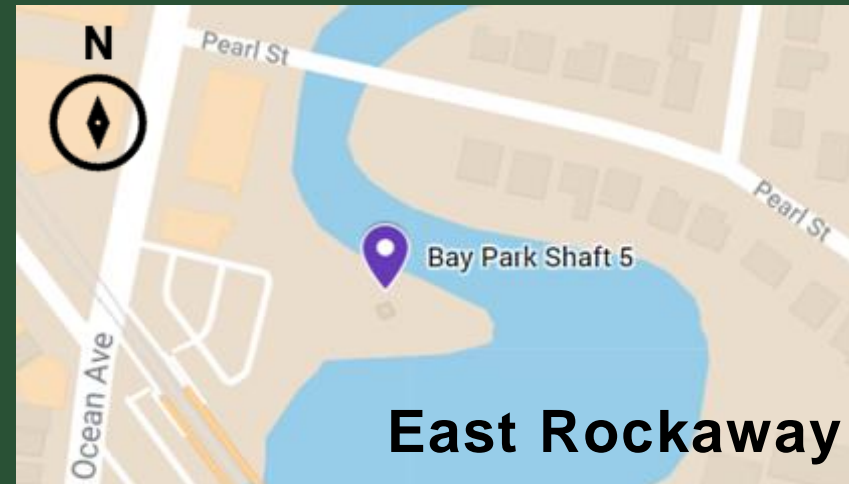
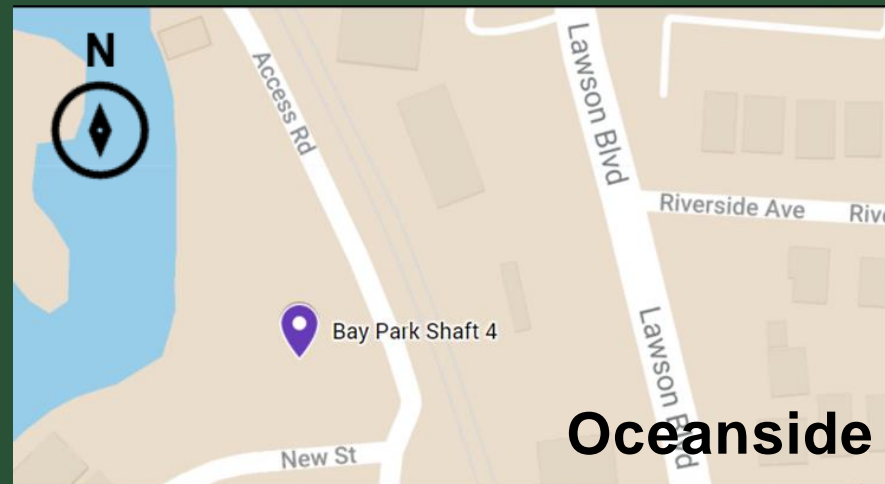


BP3 Construction Site (August 2022)



# 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.



Locations:

BP4: Private property off New Street in Oceanside

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

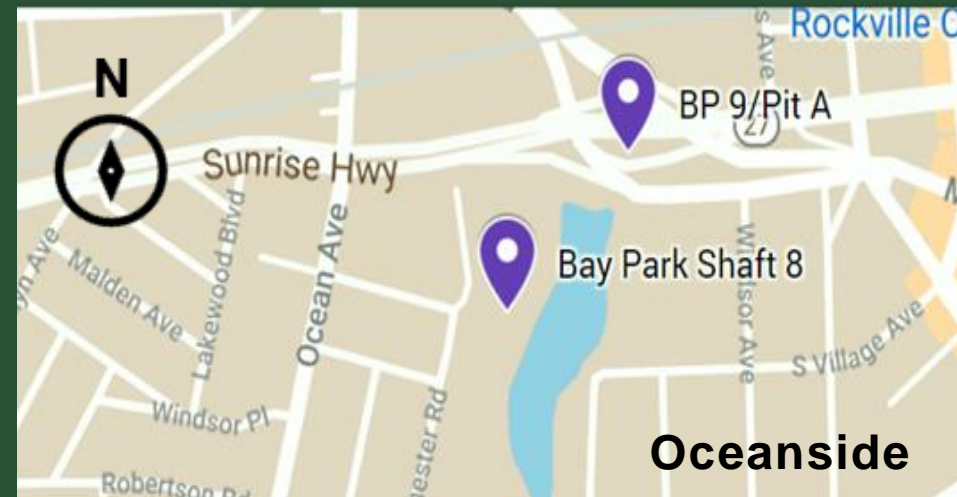


Concrete Liner Wall Construction at BP5  
(September 2022)



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

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



Locations:

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

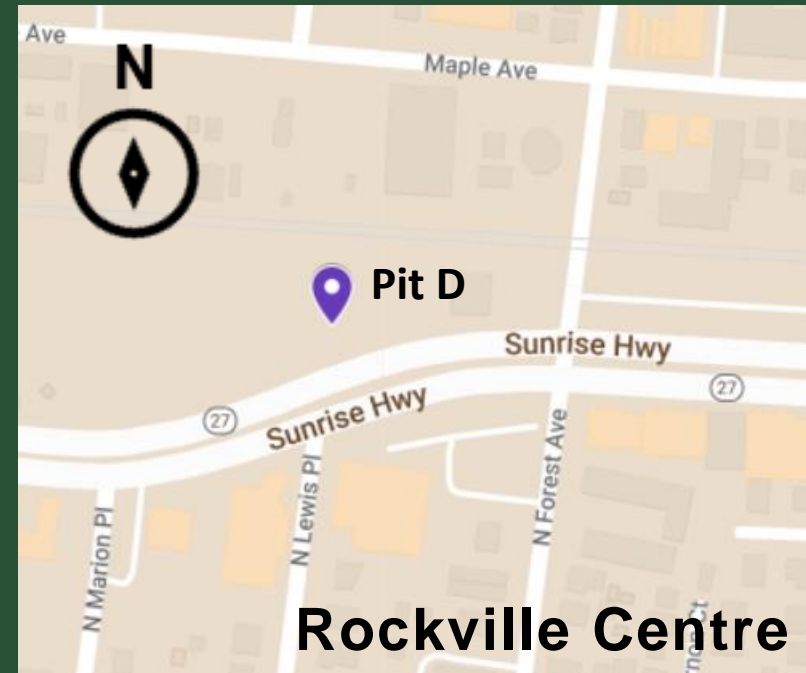
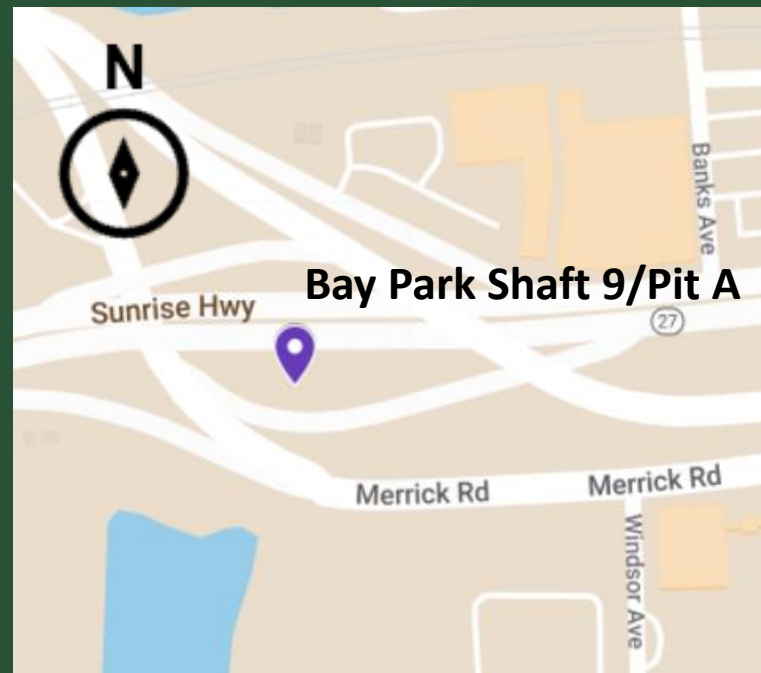
BP8: Rockville Centre's Lister Field at the Mill River Complex Park

Excavation at BP7 (September 2022)



# BAY PARK SHAFT 9/PIT A AND PIT D

- 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.



## 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

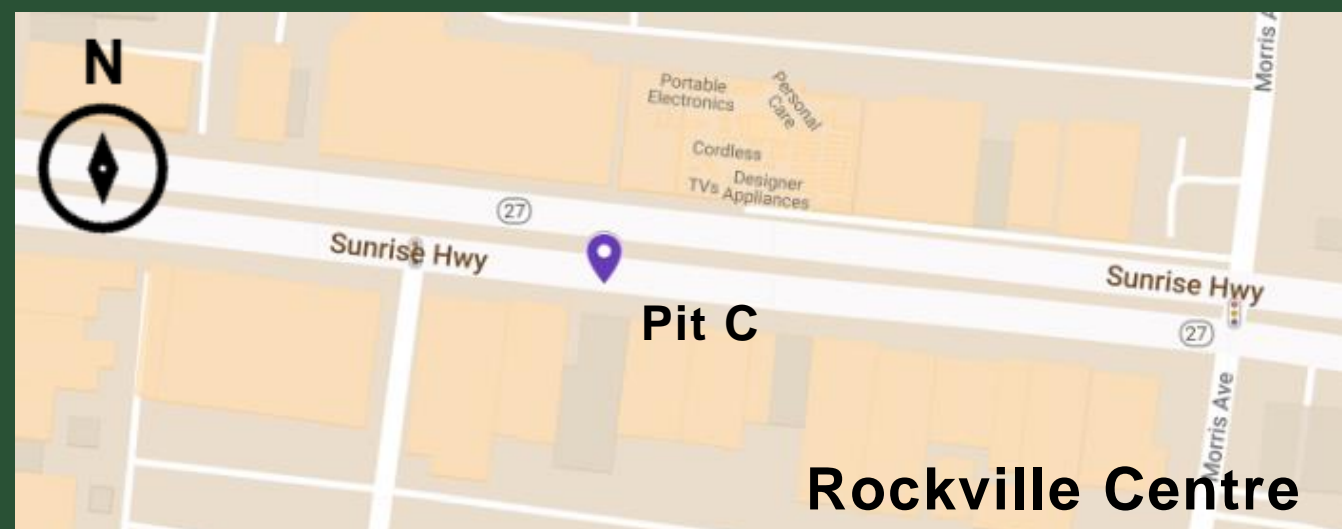
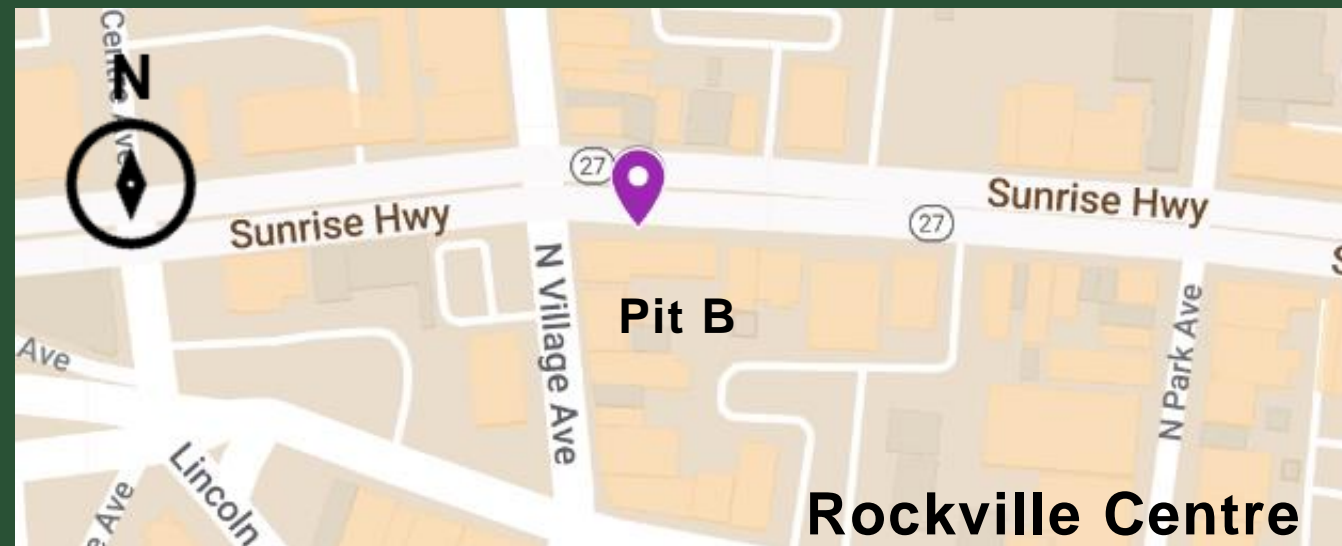


Sheet Pile Installation at BP9 (August 2022)



# SUNRISE HWY PITS B AND C

- In 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.



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

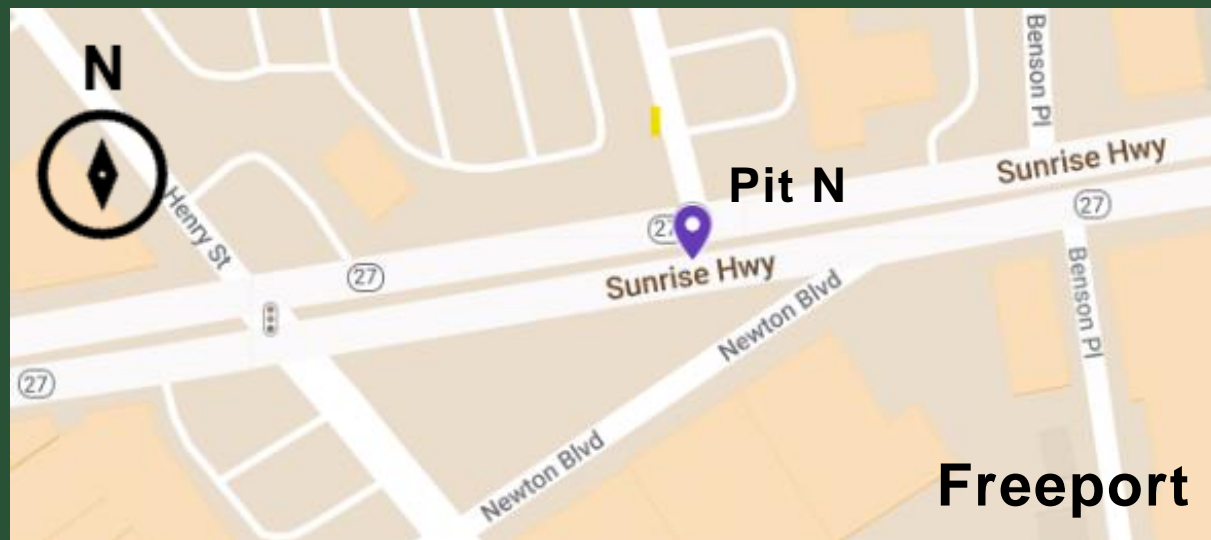
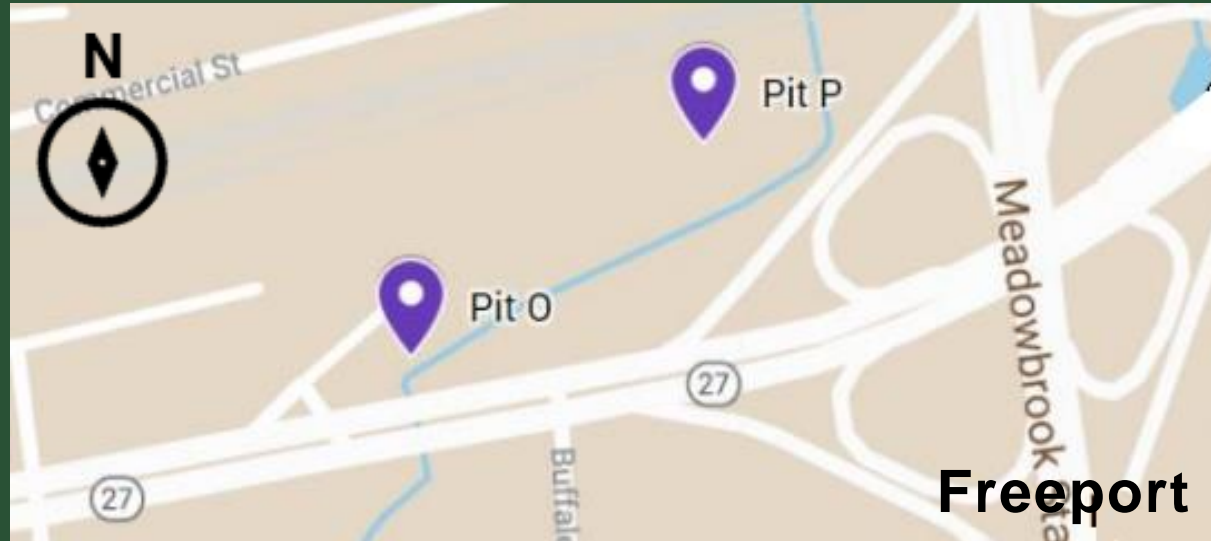


Pit C location on Sunrise Highway (September 2022)



# SUNRISE HWY PITS N, O, AND P

- At Pit N, installation of SOE is complete.
- In October, sliplining will commence from Pit N to Pit O.
- 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

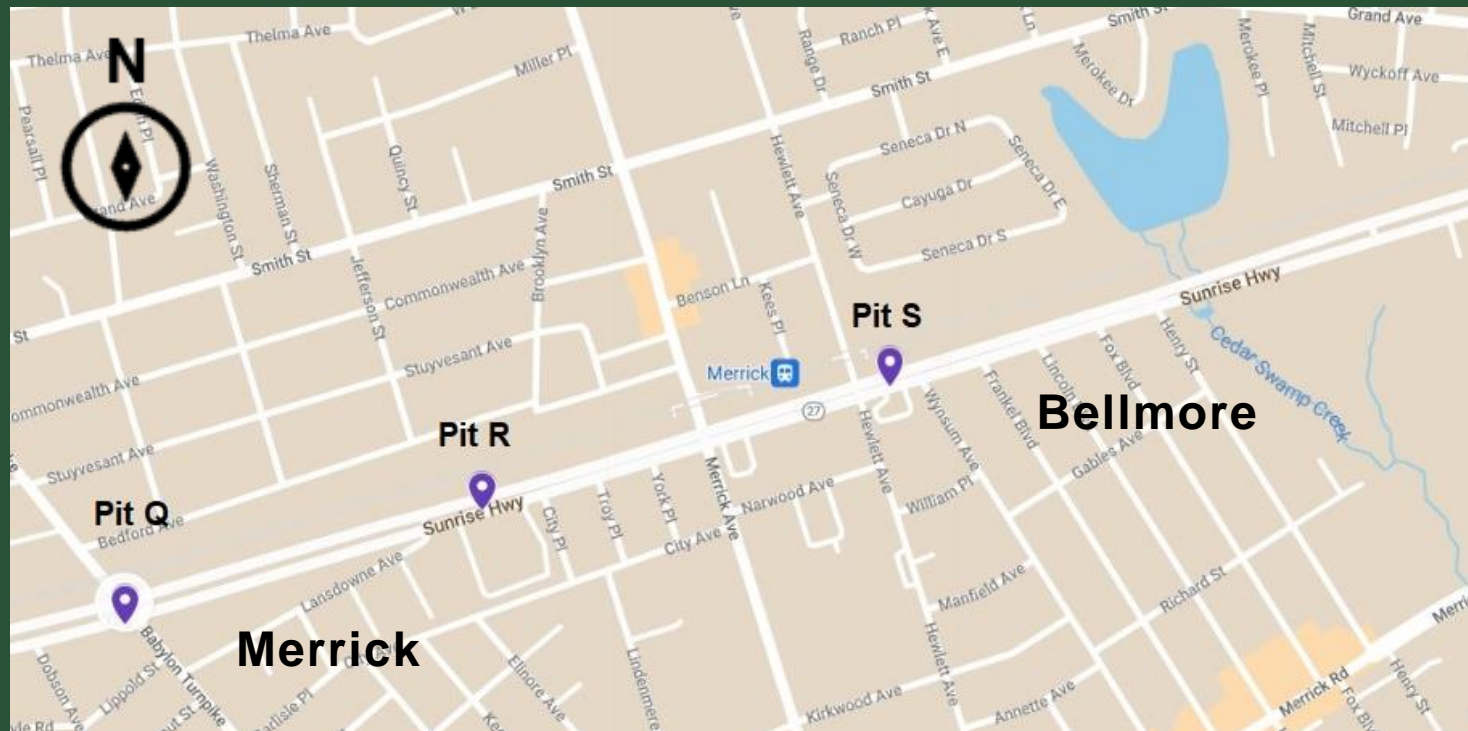
Pit N: South side of Sunrise Highway, just west of Newton Boulevard

Pit P Construction Site (August 2022)



# SUNRISE HWY PITS Q-S

- Sliplining from Pit Q to Pit S is complete.
- Crews have installed a manhole at Pit Q.
- Pit R has been backfilled. Planning and work are underway for pit closure and restoration at Pits Q and R.
- Hydrostatic testing from Pit O to Pit S is anticipated to begin late October.



## 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

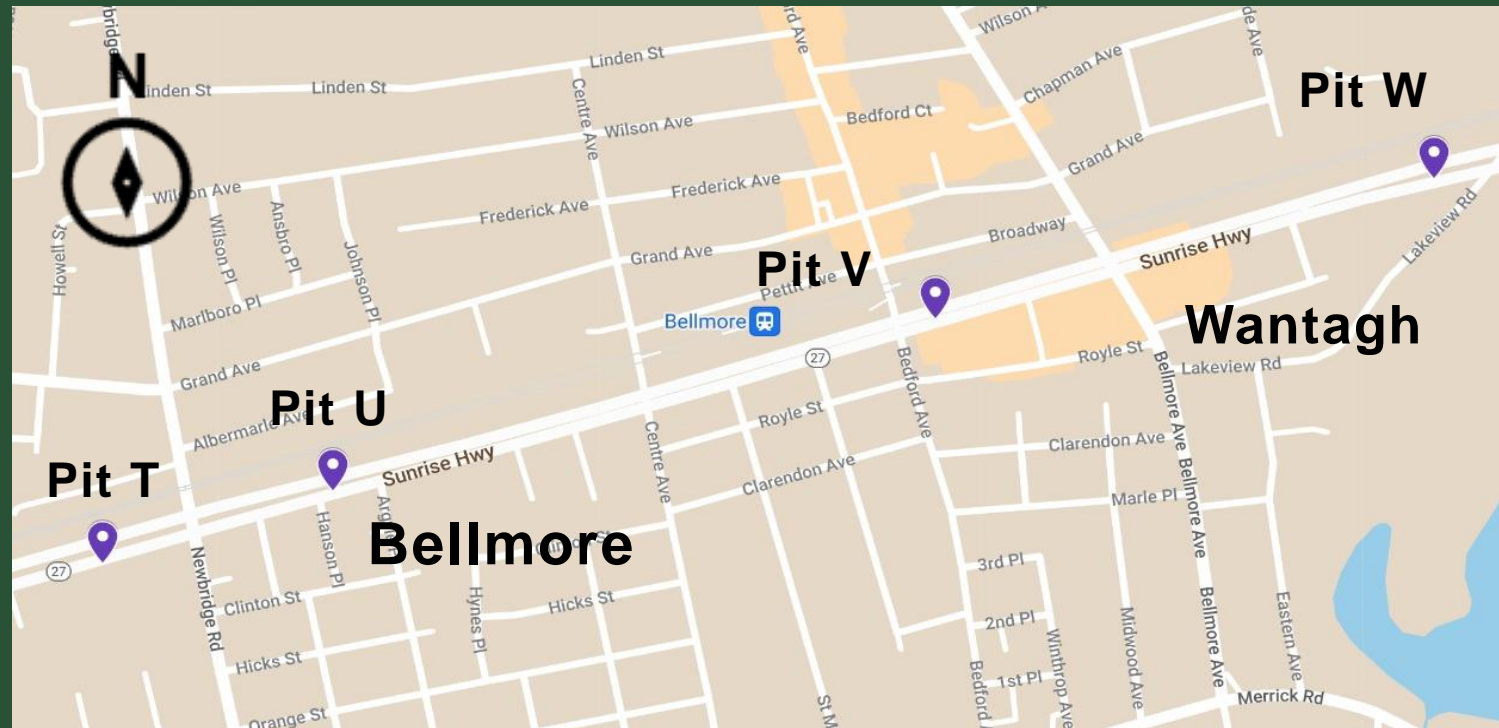
Pit S: South side of Sunrise Highway, east of the Meadowbrook Parkway between Hewlett Avenue and Wynsum Avenue



Preparations for Hydrostatic Testing at Pit O (August 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.
- Crews are constructing an open trench from Pit W to Cedar Creek Shaft 6 (CC6) to connect the Sunrise Highway pipeline to the Cedar Creek pipeline. Installation of maintenance and protection of traffic (MPT) is currently underway in advance of SOE installation at Pit W.

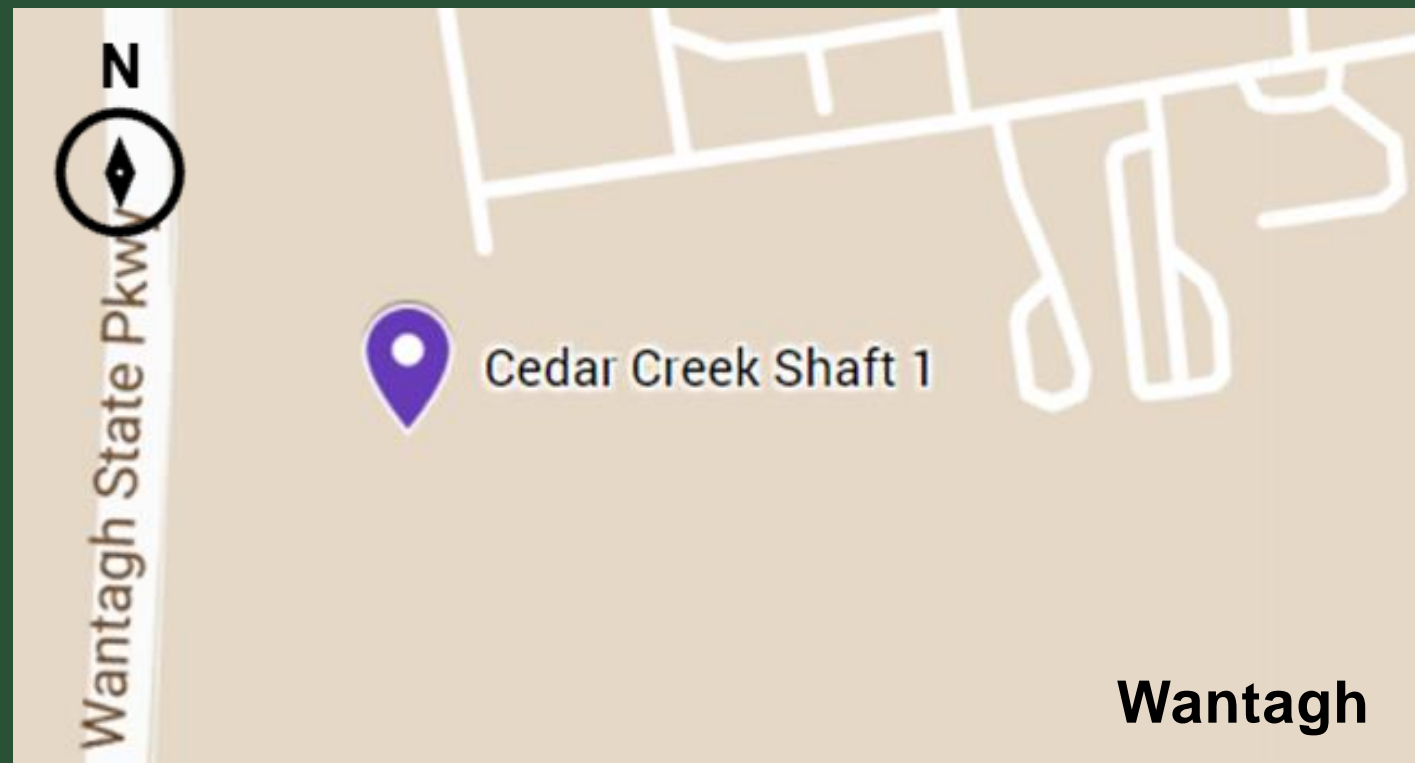


Paving near Pit W (September 2022)



# CEDAR CREEK SHAFT 1 (CC1)

- CC1 will receive the second MTBM, P.O.S.E.I.D.O.N., arriving from CC2, after microtunneling commences.
- Helical pile installation is underway.
- Work at this location should have no noticeable impact to Cedar Creek Park users.



Location: Within footprint of the Cedar Creek WPCP

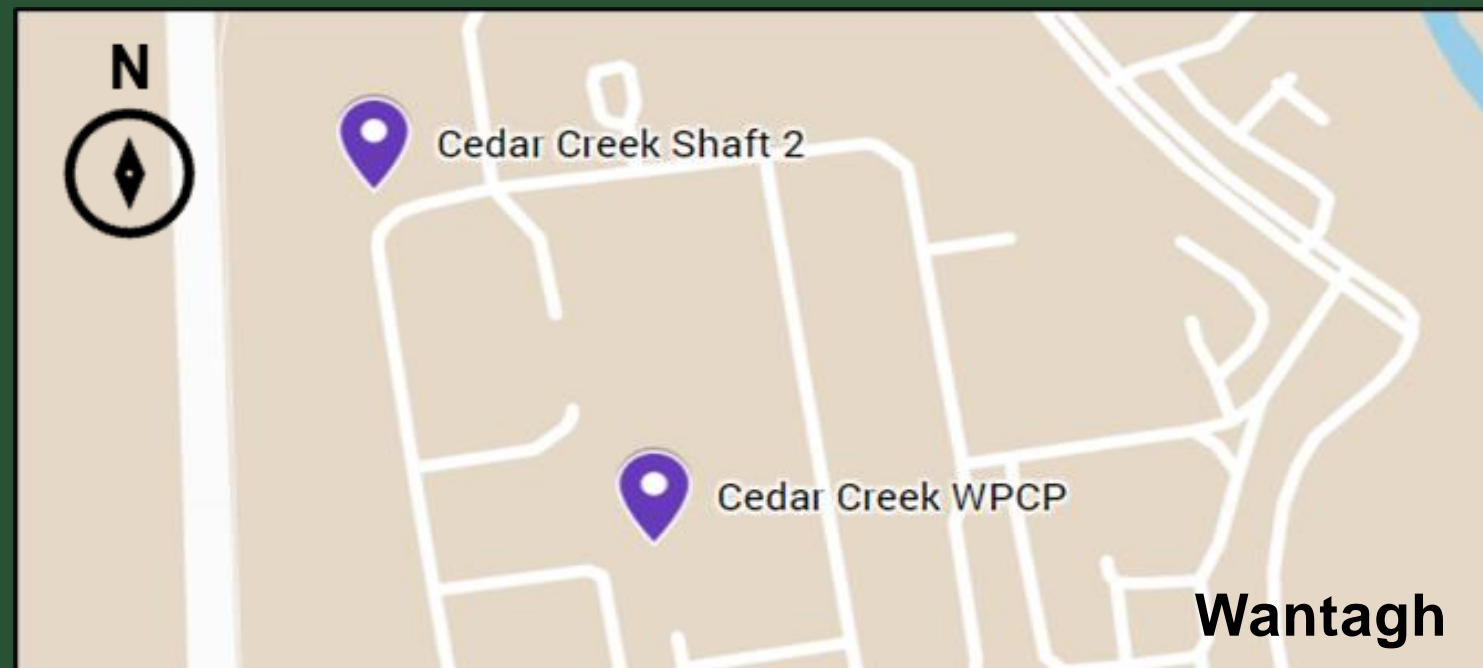


Construction Site at CC1 (August 2022)



# CEDAR CREEK SHAFT 2 (CC2)

- Assembly of P.O.S.E.I.D.O.N. is underway in preparation for microtunneling anticipated to begin in October.
- P.O.S.E.I.D.O.N. will microtunnel from CC2 to CC1 and then from CC2 to CC3.



Location: Within the footprint of the Cedar Creek WPCP

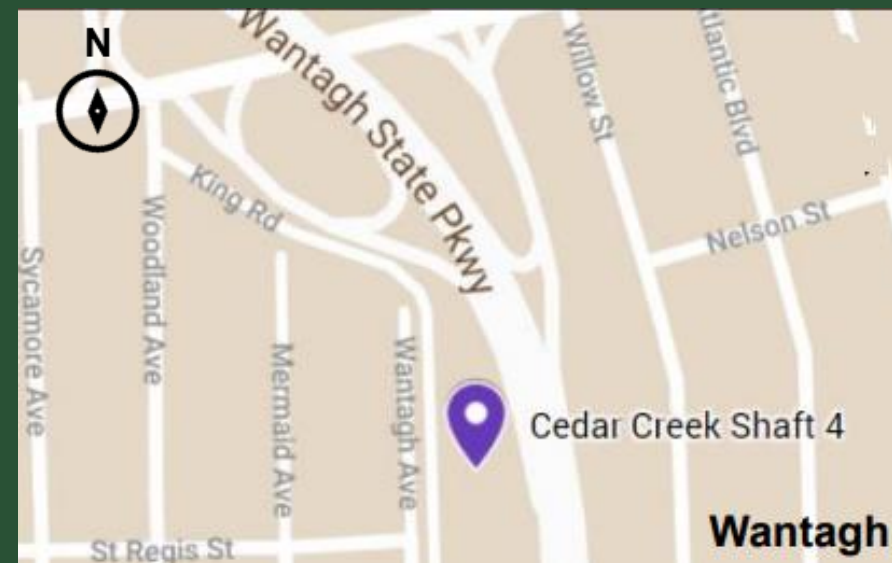
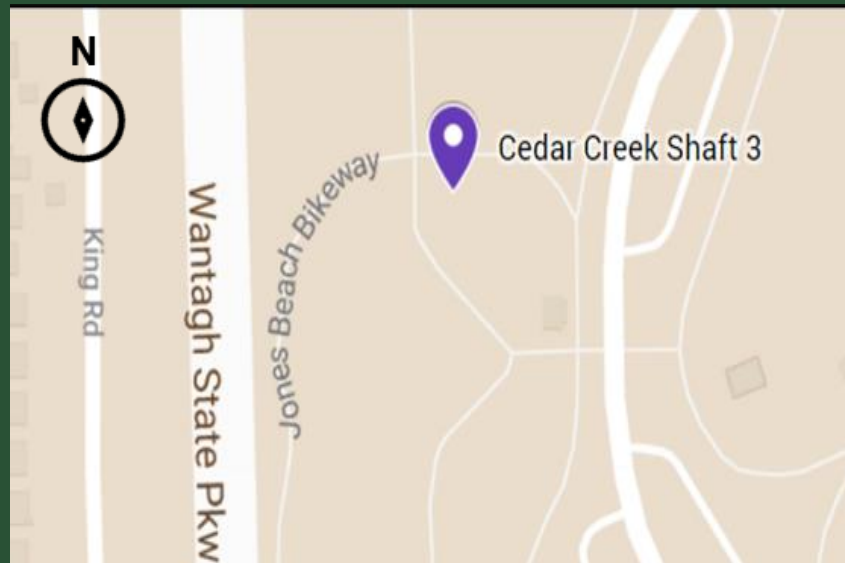


CC2 Mobilization for Microtunneling (August 2022)



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

- At CC3, crews continue to prepare the site to receive P.O.S.E.I.D.O.N. from CC2.
- At CC4, shaft excavation is complete. Crews are constructing a reinforced concrete liner wall.
- Pipe will be stored directly adjacent to 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 Delivery at CC4 (August 2022)



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

- At CC5, shaft excavation is complete and installation of the reinforced concrete liner wall will begin in October.
- At CC6, crews are preparing the site in advance of excavation, anticipated to begin in November.



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



Excavation at CC5 (August 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

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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

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THANK YOU!

