

ELECTED OFFICIALS AND  
FIRST RESPONDERS  
MONTHLY MEETING



**The Bay Park  
Conveyance Project**  
A Western Bays Resiliency Initiative

July 26, 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

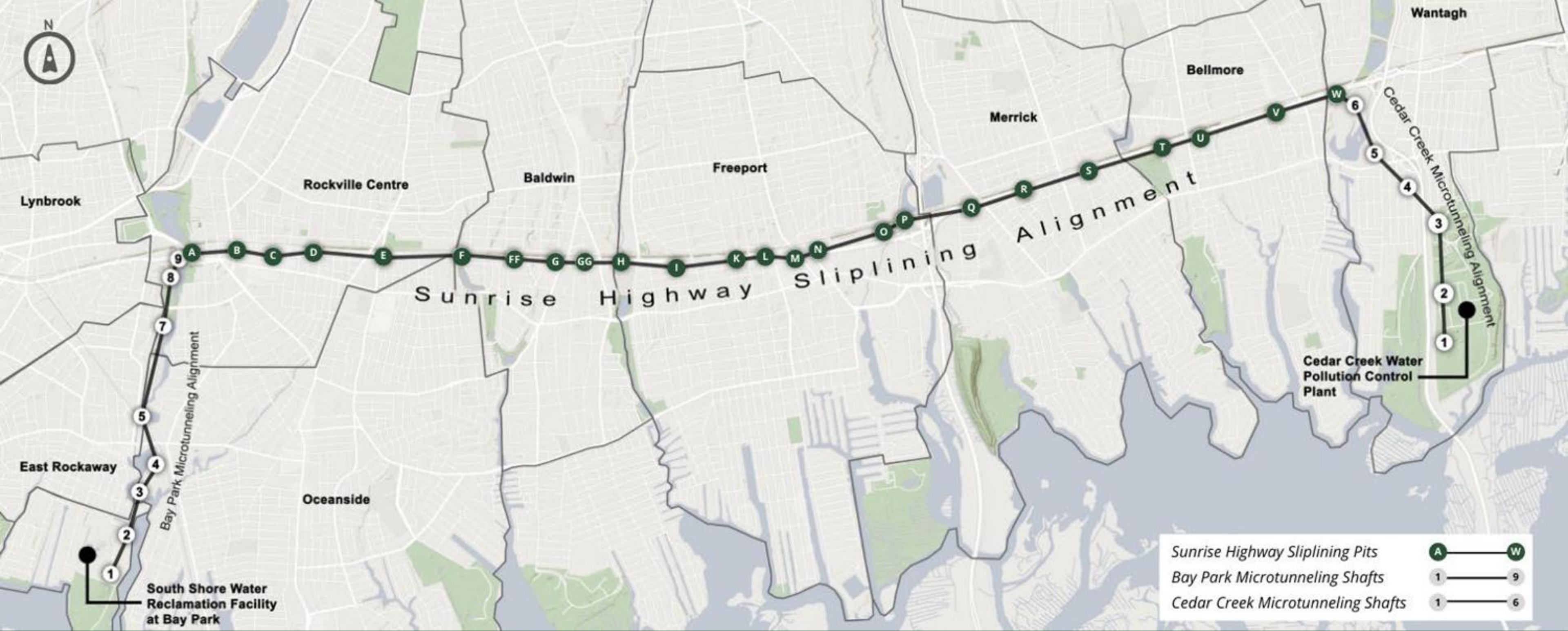


## ECONOMIC BENEFITS

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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 – Trenchless 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.





# PROJECT BY THE NUMBERS

## MICROTUNNELING PROGRESS BY THE NUMBERS

**14**

SHAFTS UNDER  
CONSTRUCTION



**6**

SHAFTS EXCAVATED



**1**

MICROTUNNELING  
DRIVE COMPLETED



**1**

MICROTUNNELING  
DRIVE UNDERWAY



**1,437**

LINEAR FEET OF  
MICROTUNNELING  
COMPLETED



**8%**

OF MICROTUNNELING  
COMPLETED



## SLIPLINING PROGRESS BY THE NUMBERS

**12**

PITS UNDER  
CONSTRUCTION



**7**

PITS EXCAVATED



**4**

SLIPLINING OPERATIONS  
COMPLETED



**1**

SLIPLINING OPERATION  
UNDERWAY



**6,500**

LINEAR FEET OF  
SLIPLINING  
COMPLETED



**18%**

OF SLIPLINING  
COMPLETED





# CONSTRUCTION UPDATES

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# BAY PARK SHAFT 1 (BP1)

- Next to BP1, crews are constructing a new pump station, wet well, and diversion structure.
- In August, crews will 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

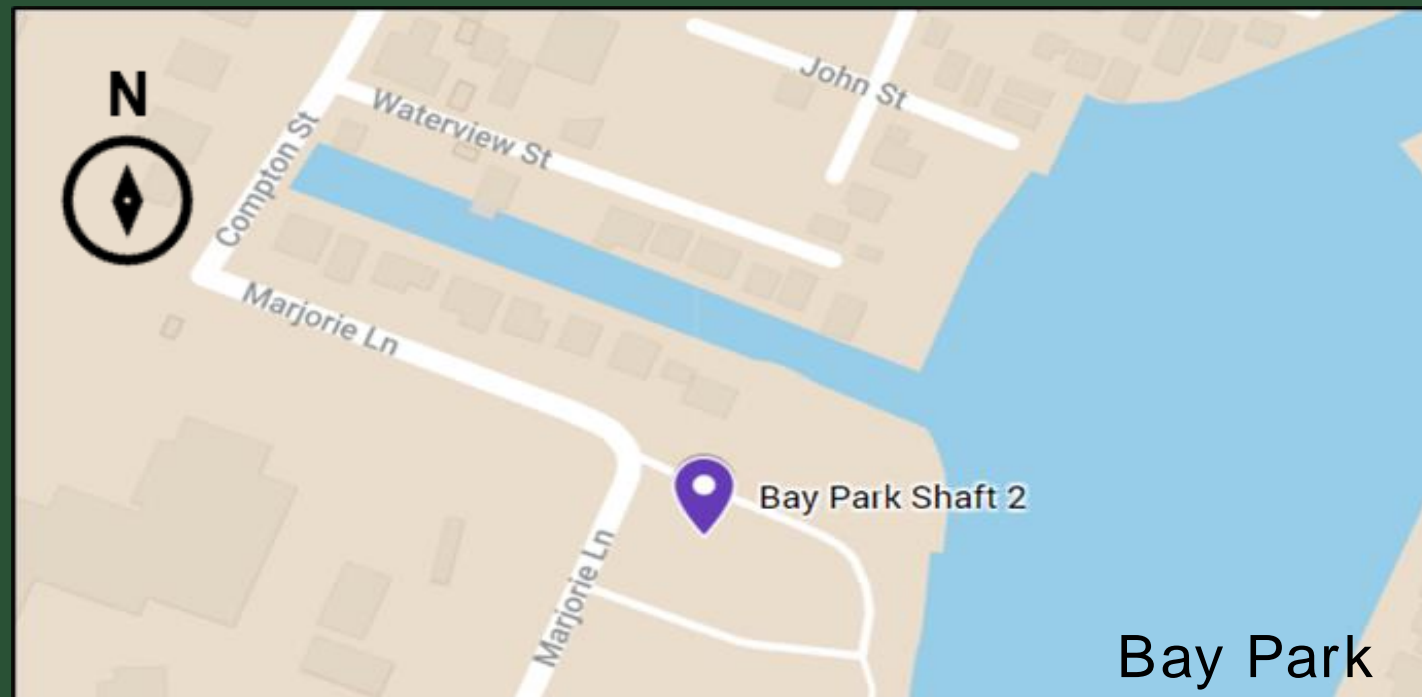


Diversion Structure at BP1 (June 2022)



# BAY PARK SHAFT 2 (BP2)

- Microtunneling from BP2 to BP3 is underway.
- Supporting activities and demobilization of equipment will continue through August.
- Park users will observe an increase in construction equipment and vehicles near Marjorie Lane.



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

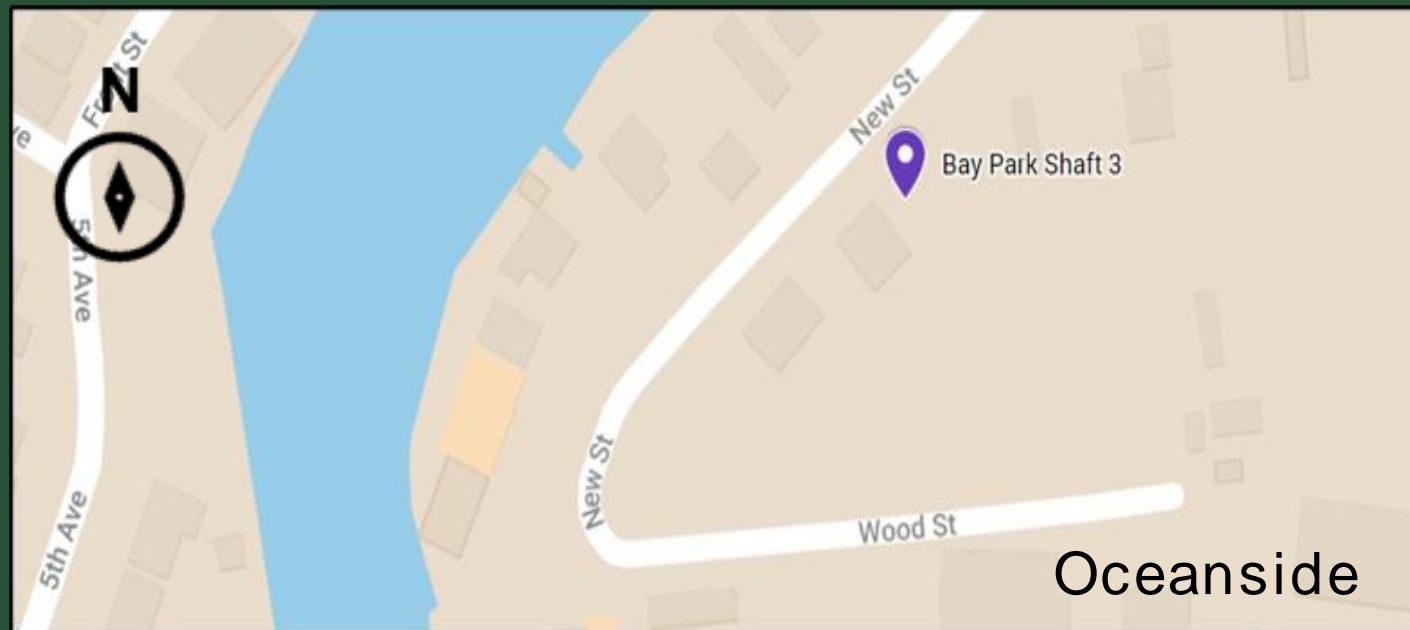


Microtunnel Operations at BP2 (June 2022)



# BAY PARK SHAFT 3 (BP3)

- The MTBM, MARSH-MELLOW, arrived at BP3 from BP2.
- Preparatory activities will begin to support microtunneling that will proceed from BP3 to BP4.



Location: Private property off New Street in Oceanside

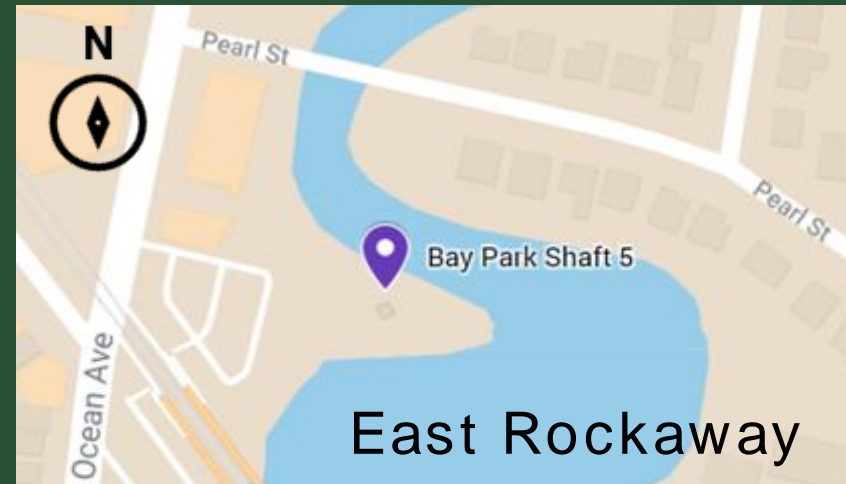
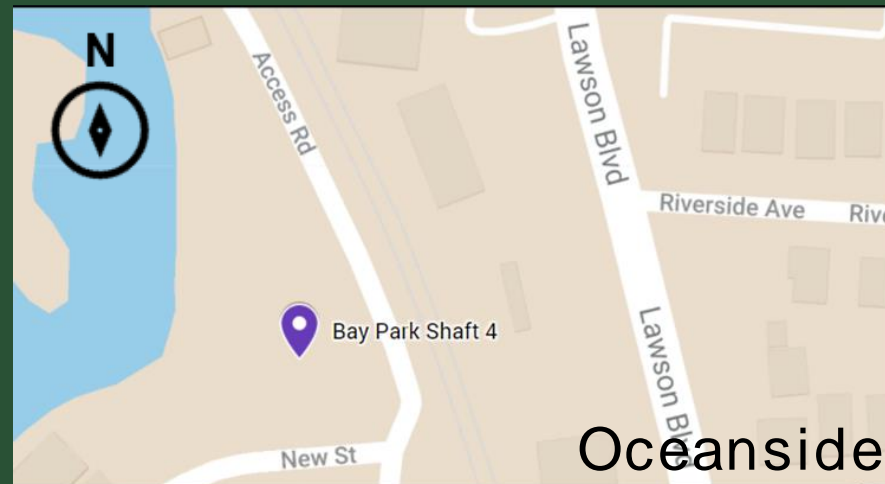


Construction Site at BP3 (June 2022)



# BAY PARK SHAFTS 4 (BP4) and 5 (BP5)

- Site excavation is ongoing at BP4 and BP5.
- Following excavation, crews will construct a reinforced concrete liner wall at both locations.
- Oxbow Park will remain closed through approx. fall 2022.



Locations:

BP4: Private property off New Street in Oceanside

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

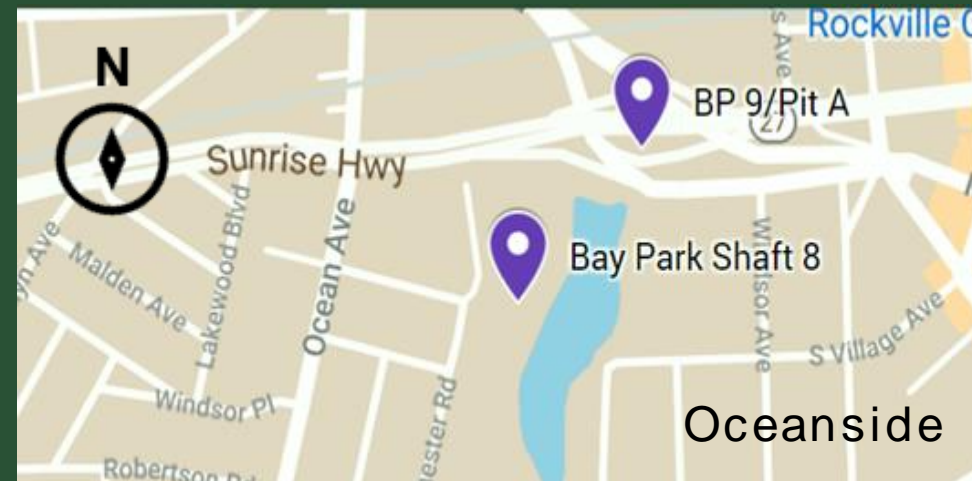


Excavation at BP5 (June 2022)



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

- Crews will continue to use BP7 and BP8 site locations for storage/laydown purposes.
- At BP7, site preparations for excavation are underway. Excavation is anticipated to begin late August.
- At BP8, excavation is anticipated to begin in fall of 2022.



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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

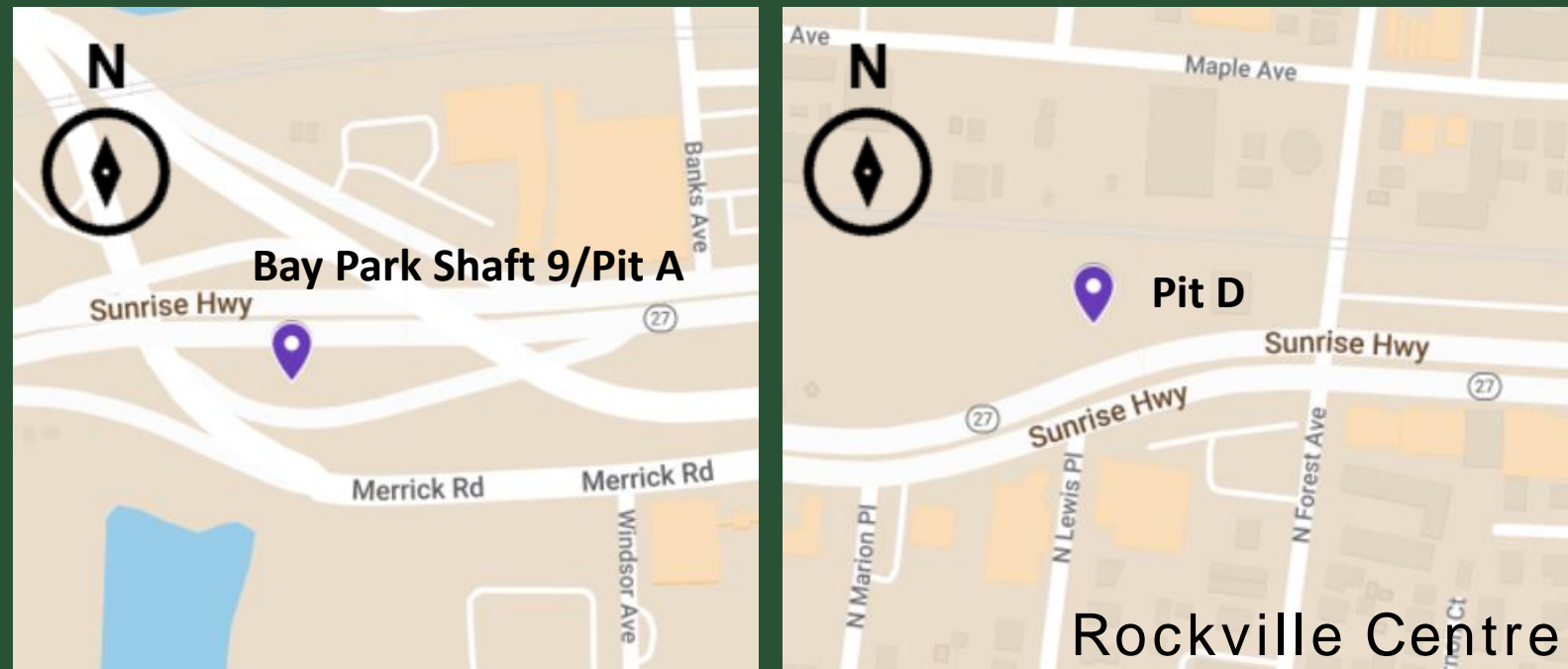


Construction Site at BP7 (May 2022)



# BAY PARK SHAFT 9/PIT A AND PIT D

- Installation of SOE at Pit A and Pit D is underway.
- The sidewalk in front of Joyce Field, between Morris Avenue and North Forest Avenue, will remain closed for duration of the Project until 2024.
- Eastbound lane on the Merrick Road exit ramp on Sunrise Highway is expected to 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, located at Joyce Field in Rockville Centre on the north side of Sunrise Highway, for storage and laydown of materials.

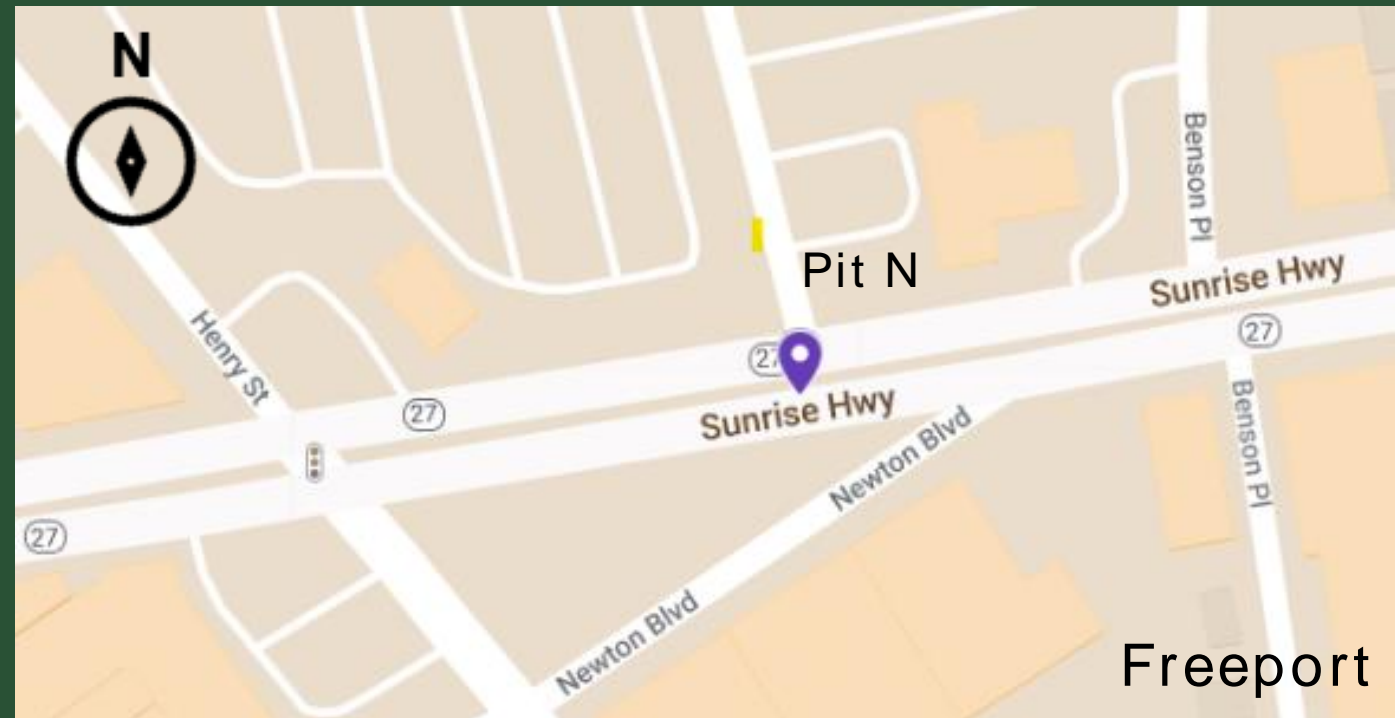


Sheet Installation at Pit A (June 2022)



# SUNRISE HWY PIT N

- Installation of SOE in preparation for sliplining is ongoing.
- Installation of SOE can cause periods of noise and vibration that may be noticeable in the areas directly adjacent to the work site.



Location: South side of Sunrise Highway, just west of Newton Boulevard.

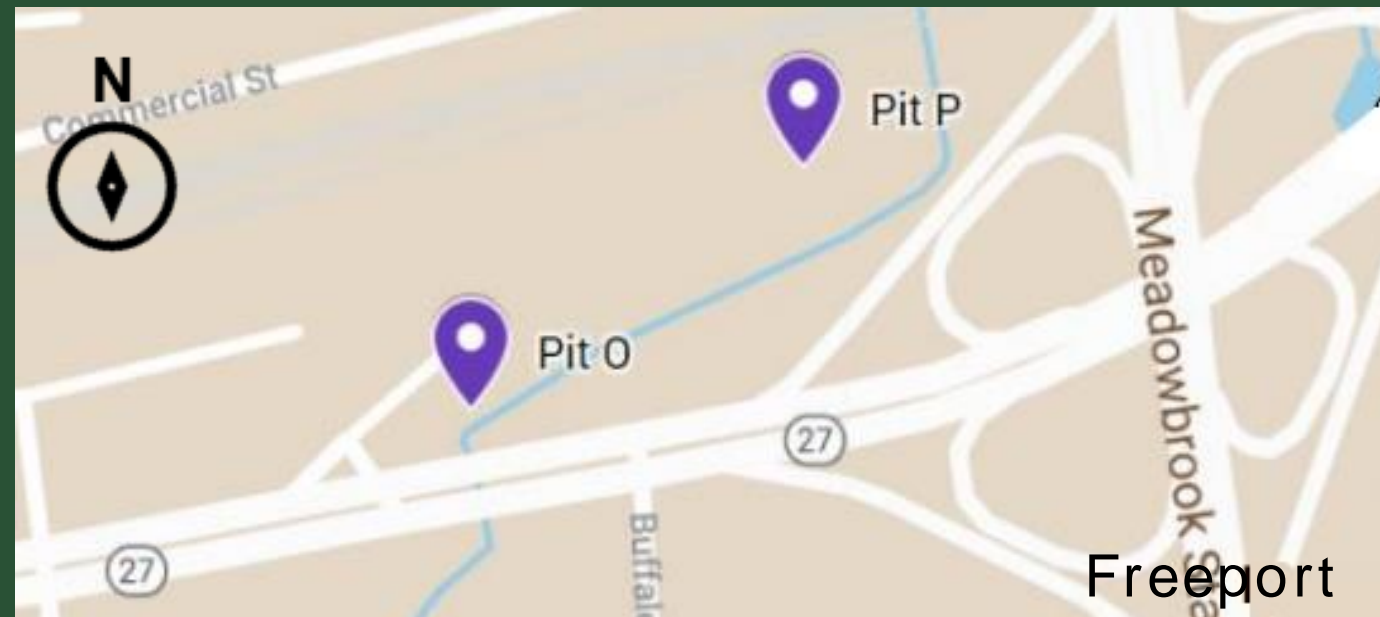


Sunrise Highway Near Pit N (June 2022)



# SUNRISE HWY PITS O and P

- Sliplining between Pits O and P is complete.
- SOE has been removed at Pit P and the pit has been backfilled.
- Hydro testing will commence from Pit O to Pit S.
- WBC will continue to use the area for storage and laydown purposes.
- There will be a consistent presence of construction vehicles and crews in the area.



Location: North side of Sunrise Highway just west of the Meadowbrook Parkway

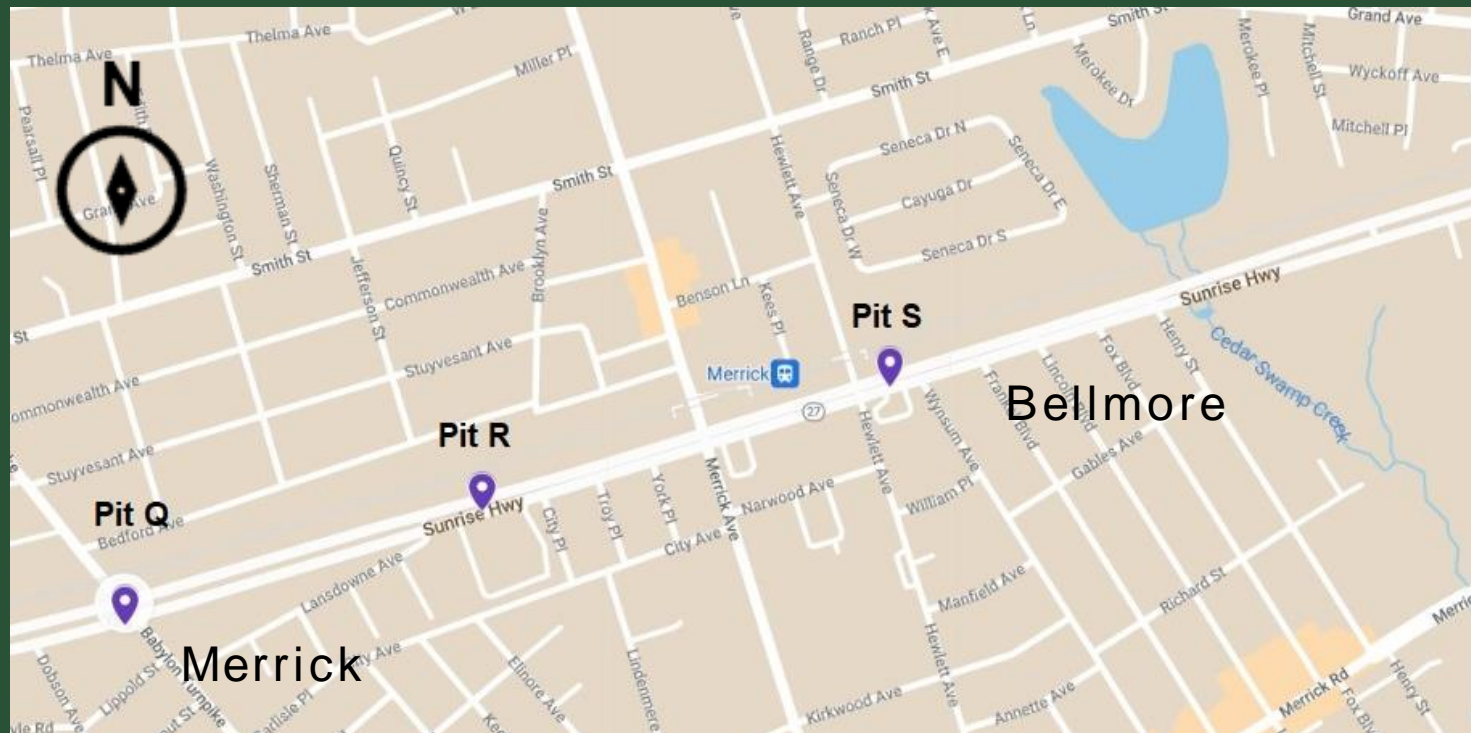


Pit O Construction Site (May 2022)



# SUNRISE HWY PITS Q-S

- Sliplining from Pits P to Q, Pits Q to R, and Pits R to S is complete.
- Crews have installed a manhole at Pit Q.
- 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

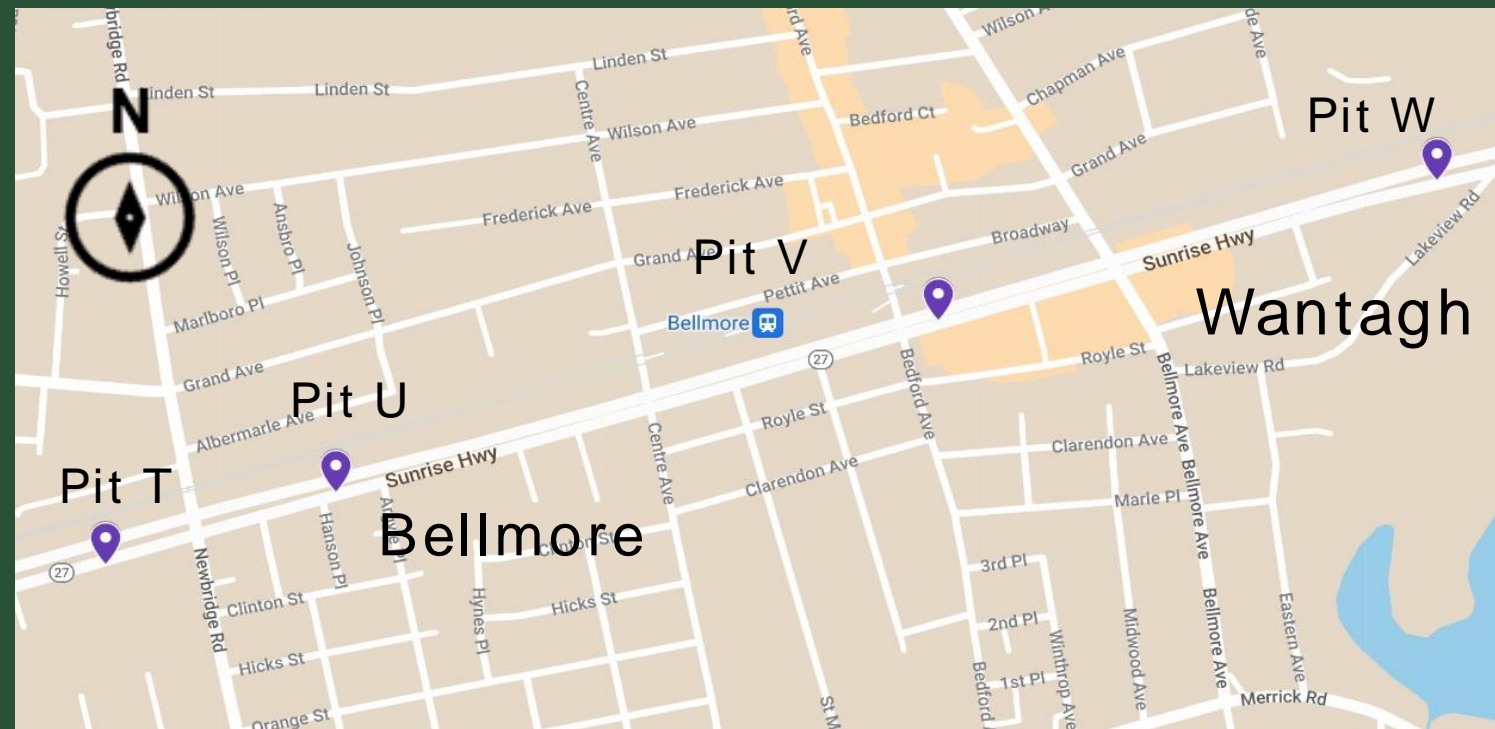


Pipe Installation at Pit S (June 2022)



# SUNRISE HWY PITS T-W

- Pits T, U, and V: Installation of SOE is complete. Sites are being prepared for sliplining, anticipated to begin in August.
- Sliplining from Pits S to T has commenced.
- Pit W: Crews continue to install Work Zone Traffic Control (WZTC) and Maintenance and Protection of Traffic (MPT) signage in advance of construction anticipated to begin in August. All construction activity will take place during the day.



## 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.

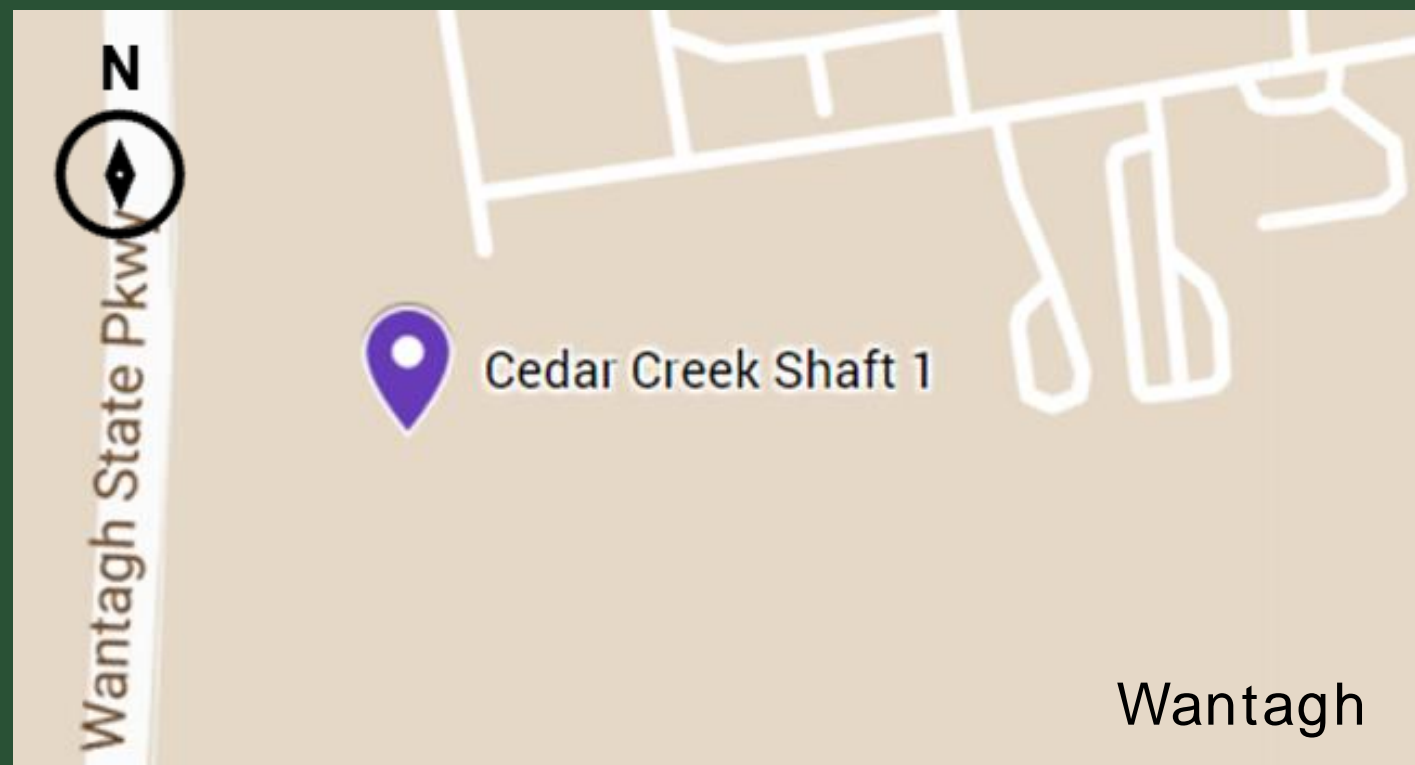


SOE installation at Pit V (June 2022)



# CEDAR CREEK SHAFT 1 (CC1)

- Shaft excavation is complete.
- A pipe base trench from CC1 to the Cedar Creek receiving tank is complete.
- Work at this location should have no noticeable impact to Cedar Creek Park users.



Location: Within footprint of the Cedar Creek Water Pollution Control Plant (WPCP)

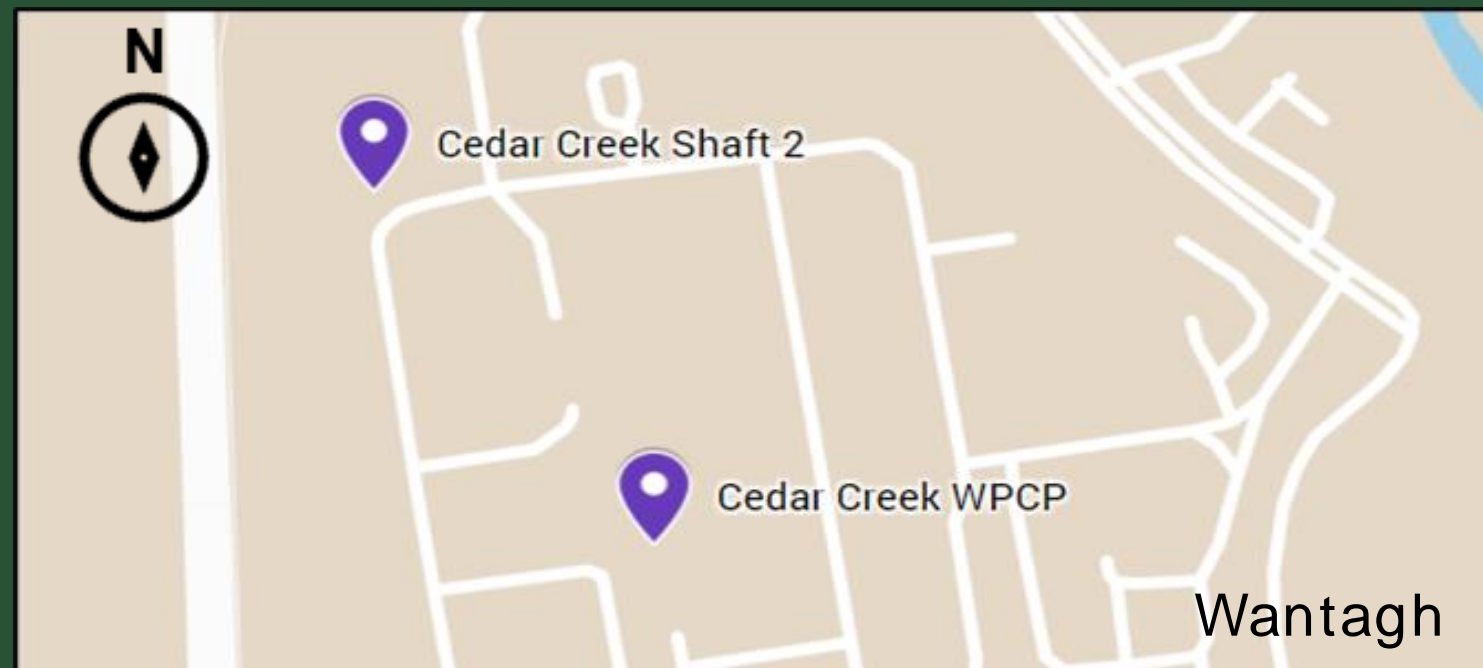


Construction Near CC1 (June 2022)



# CEDAR CREEK SHAFT 2 (CC2)

- Shaft excavation is complete.
- P.O.S.E.I.D.O.N., the second MTBM, is being assembled in preparation for microtunneling that is anticipated to begin in August.
- The MTBM will microtunnel from CC2 to CC1 and then from CC2 to CC3.



Location: Within the footprint of the Cedar Creek WPCP

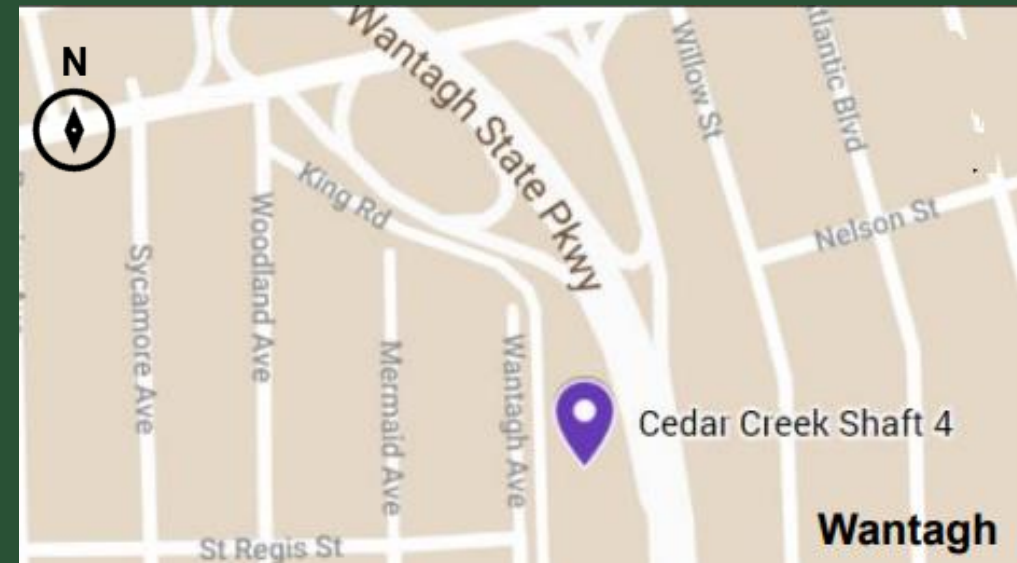
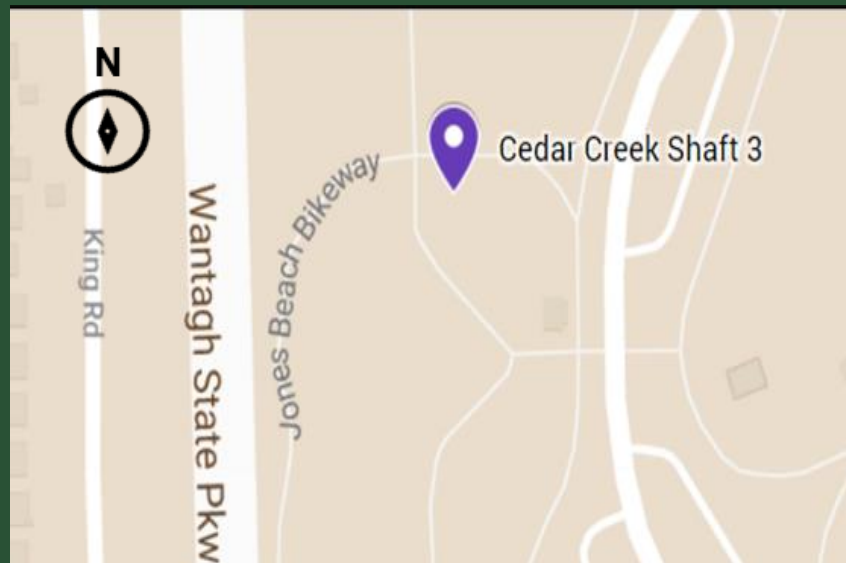


Excavation at CC2 (June 2022)



# 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, site excavation is underway.



## 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.



Core Drilling at CC4 (June 2022)



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

- At CC5, installation of SOE is complete. Excavation will begin after crews complete excavation at CC6
- At CC6, installation of SOE is complete. Excavation is anticipated to begin following completion of excavation at CC4.



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 Site at CC5 (April 2022)



# PROTECTION OF TRAVELING PUBLIC AND WORK ZONES

- The Project team has deployed WZTC and MPT signage to protect public safety and 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.
- 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.

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# 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, 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

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

Email

BayParkConveyance@gmail.com

24/7 Project Hotline

(516) 252-6121

Website

www.BayParkConveyance.org

Facebook

@BayParkConveyance





# QUESTION AND ANSWER SESSION

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THANK YOU!

