

ELECTED OFFICIALS AND FIRST RESPONDERS MONTHLY MEETING



The Bay Park Conveyance Project

A Western Bays Resiliency Initiative

August 30, 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



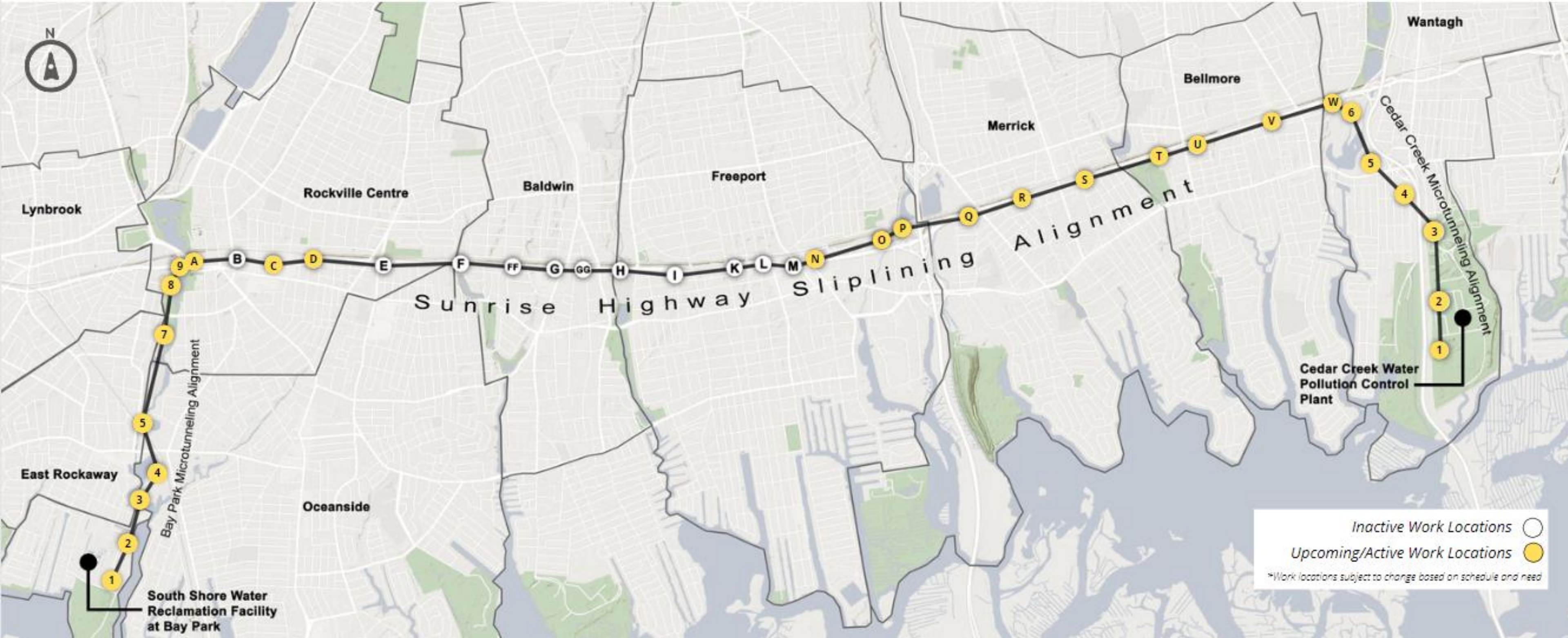
QUALITY OF LIFE FACTORS

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.



PROJECT BY THE NUMBERS



The Average Sliplining Pipe is **20** Linear Ft Long!

Sliplining

Sliplining occurs approximately **10-20** ft below ground level.

To date, **12,114** linear ft out of **37,345** linear ft of sliplining is complete between **9** pits along Sunrise Highway.

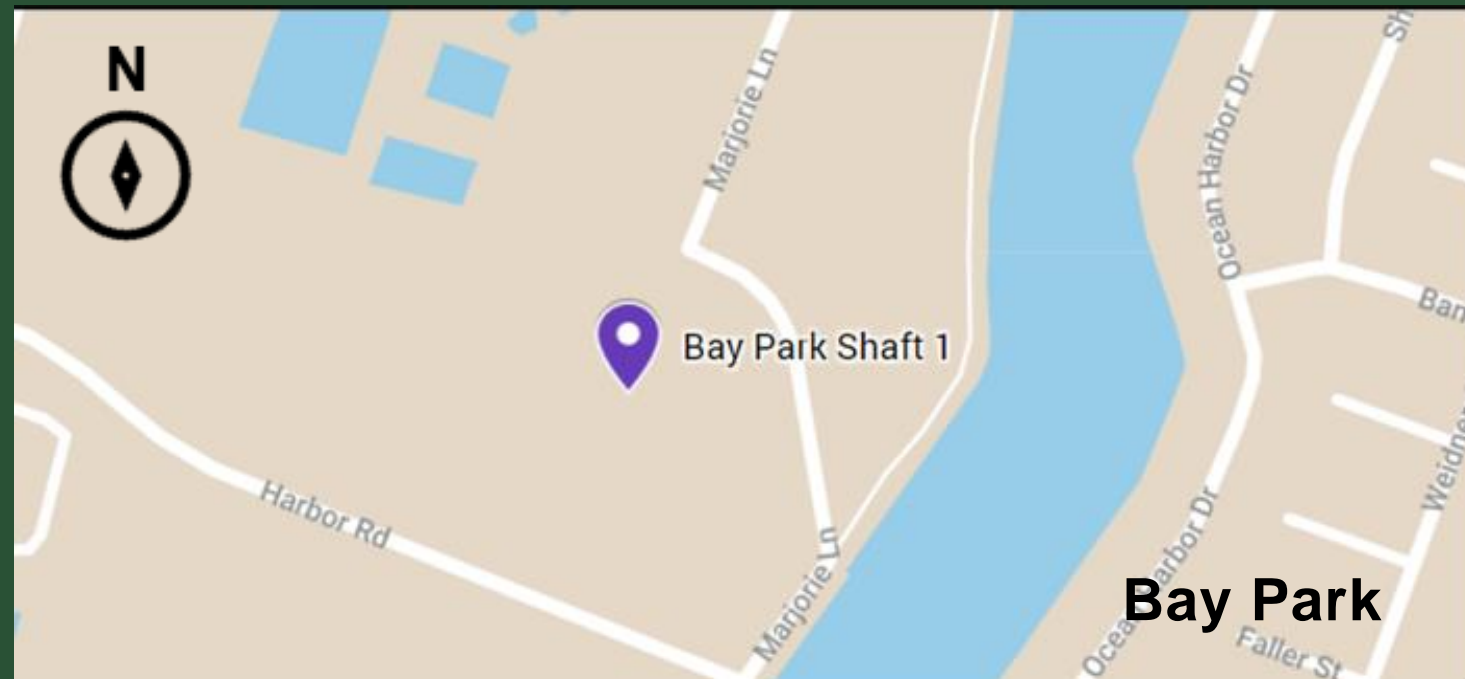


CONSTRUCTION UPDATES



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.



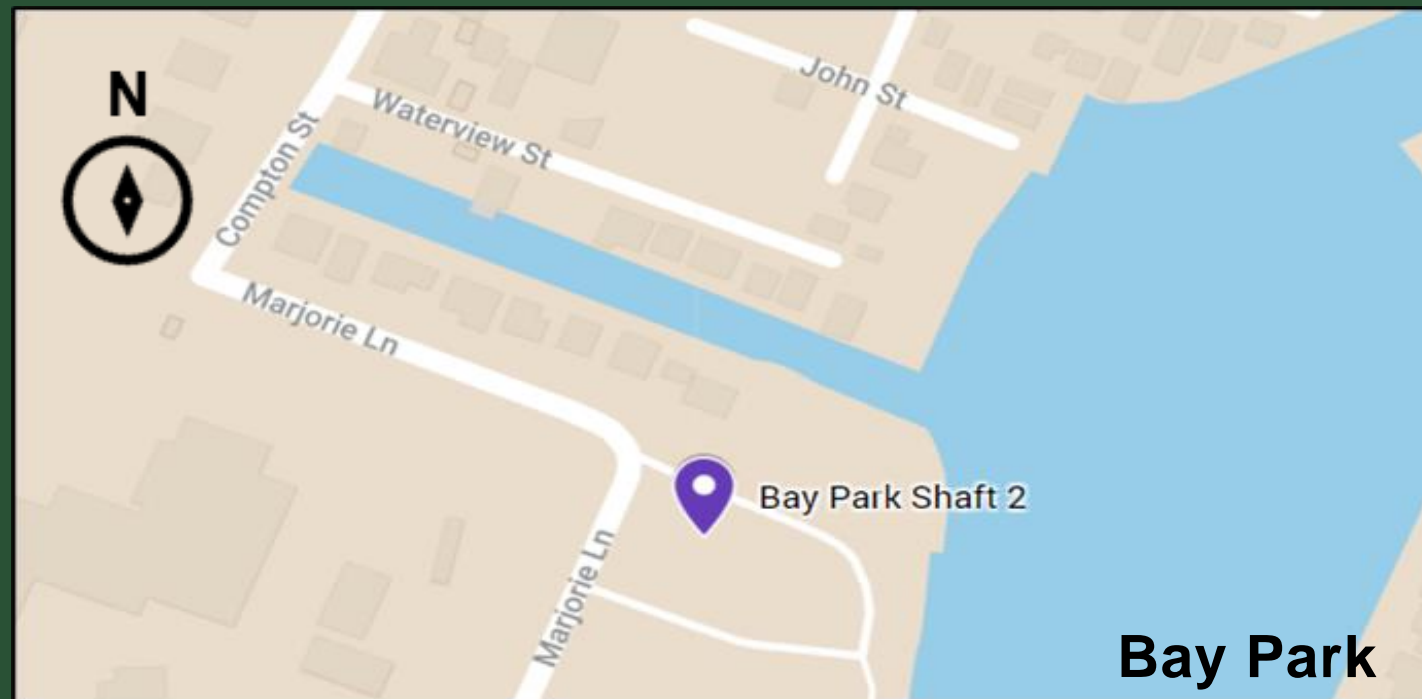
Location: Within the footprint of the South Shore Water Reclamation Facility at Bay Park



Diversion Structure Wall Construction Near BP1 (July 2022)

BAY PARK SHAFT 2 (BP2)

- Microtunneling from BP2 to BP1 and BP2 to BP3 are complete.
- Supporting activities, such as grouting and demobilization of equipment, will continue through September.
- Park users will observe an increase in construction equipment and vehicles near Marjorie Lane.



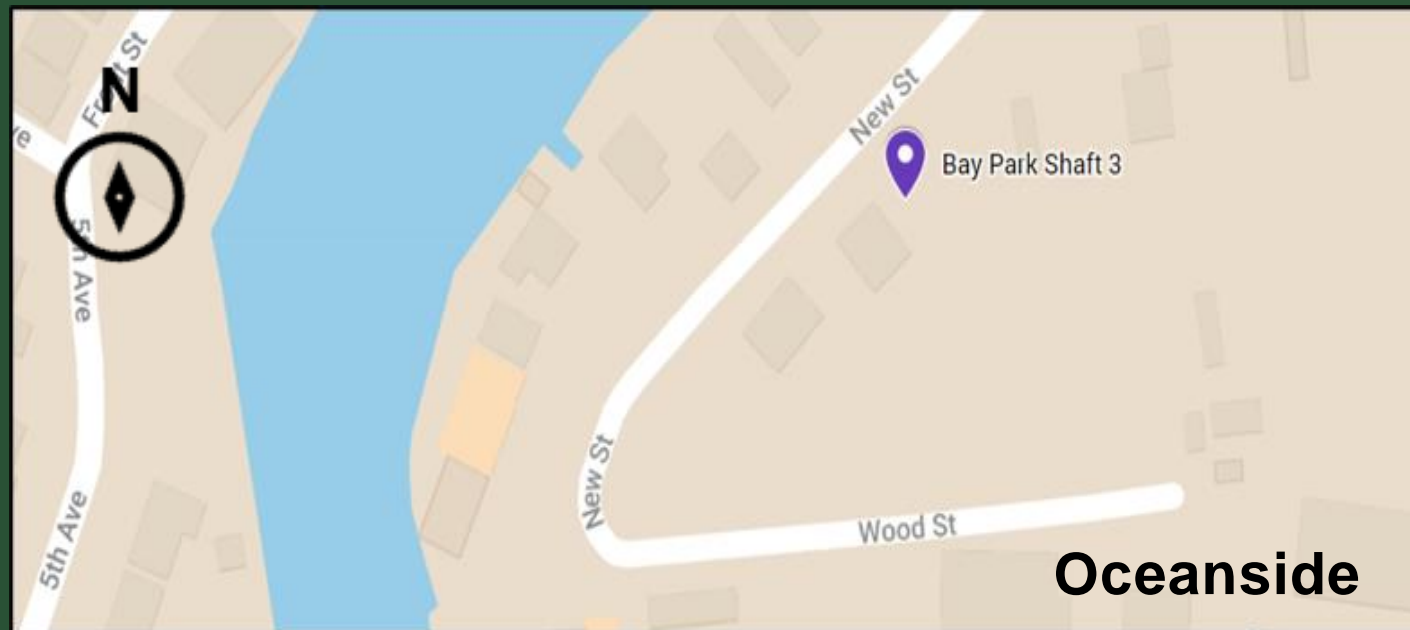
Location: Within the boundaries of Nassau County's Bay Park, at the northeast corner of Marjorie Lane



Construction Site at BP2 (July 2022)

BAY PARK SHAFT 3 (BP3)

- The microtunnel boring machine (MTBM), “MARSH-MELLOW”, arrived at BP3 from BP2.
- Grouting operations will begin this month.
- Crews continue to prep the area in advance of microtunneling, which will proceed from BP3 to BP4.



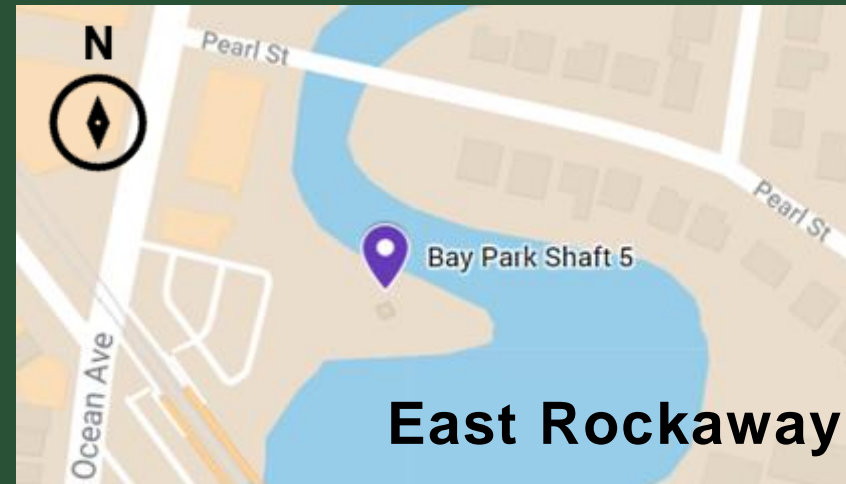
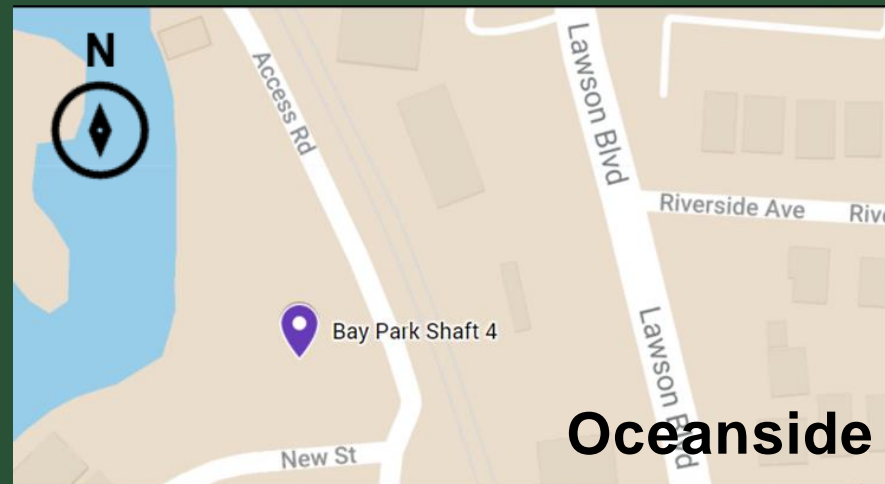
Location: Private property off New Street in Oceanside



Construction Site at BP3 (July 2022)

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

- At BP4, shaft excavation is complete. The site is being used for storage/laydown purposes.
- At BP5, shaft excavation is ongoing.
- In September, 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

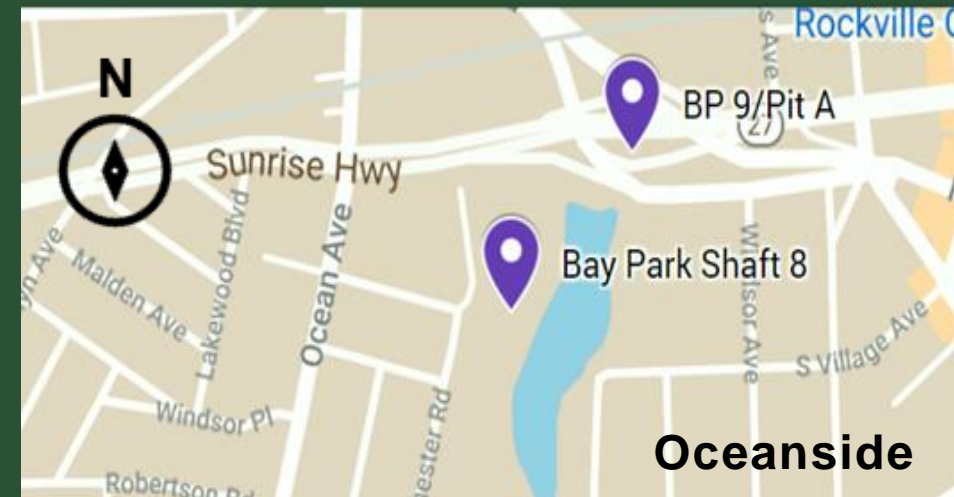
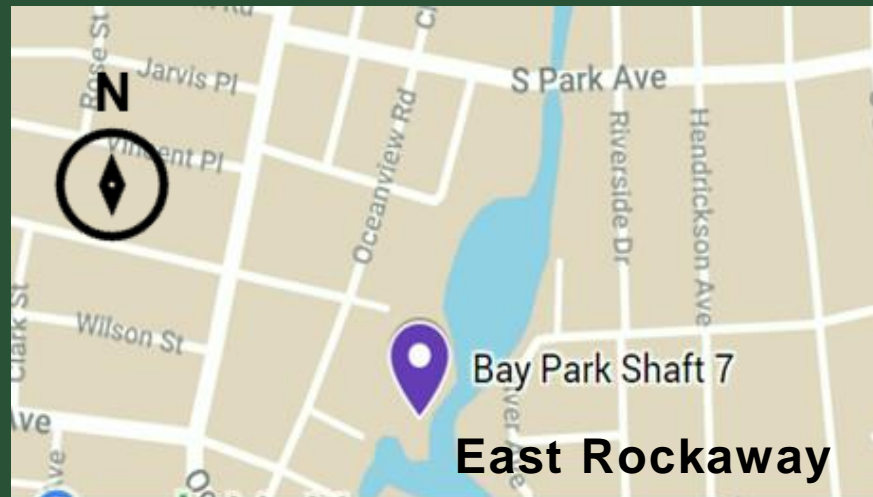
BP5: East Rockaway Oxbow Park off Ocean Avenue near the East Rockaway LIRR Station



Excavation at BP4 (July 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 September.
- At BP8, crews continue to prep the area in advance of excavation, anticipated to begin in October.



Locations:

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

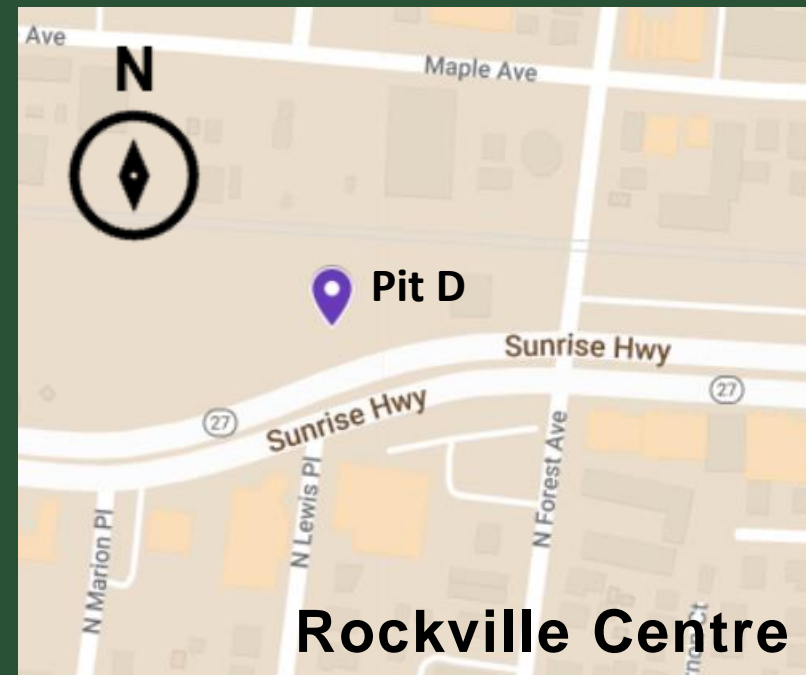
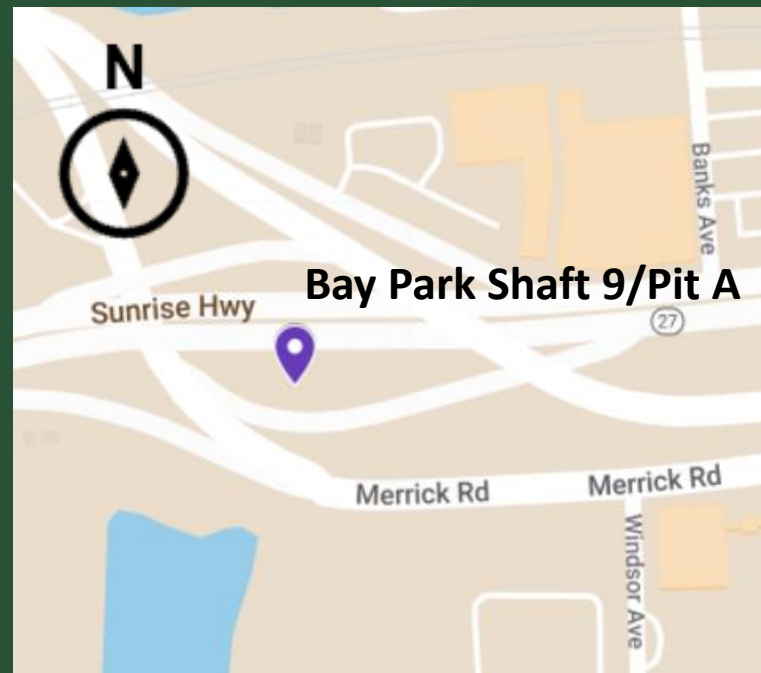
BP8: Rockville Centre's Lister Field at the Mill River Complex Park



Construction Site at BP7 (July 2022)

BAY PARK SHAFT 9/PIT A AND PIT D

- Installation of SOE at Pit A is complete and site excavation is near complete.
- At Pit D, excavation is ongoing.
- 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.

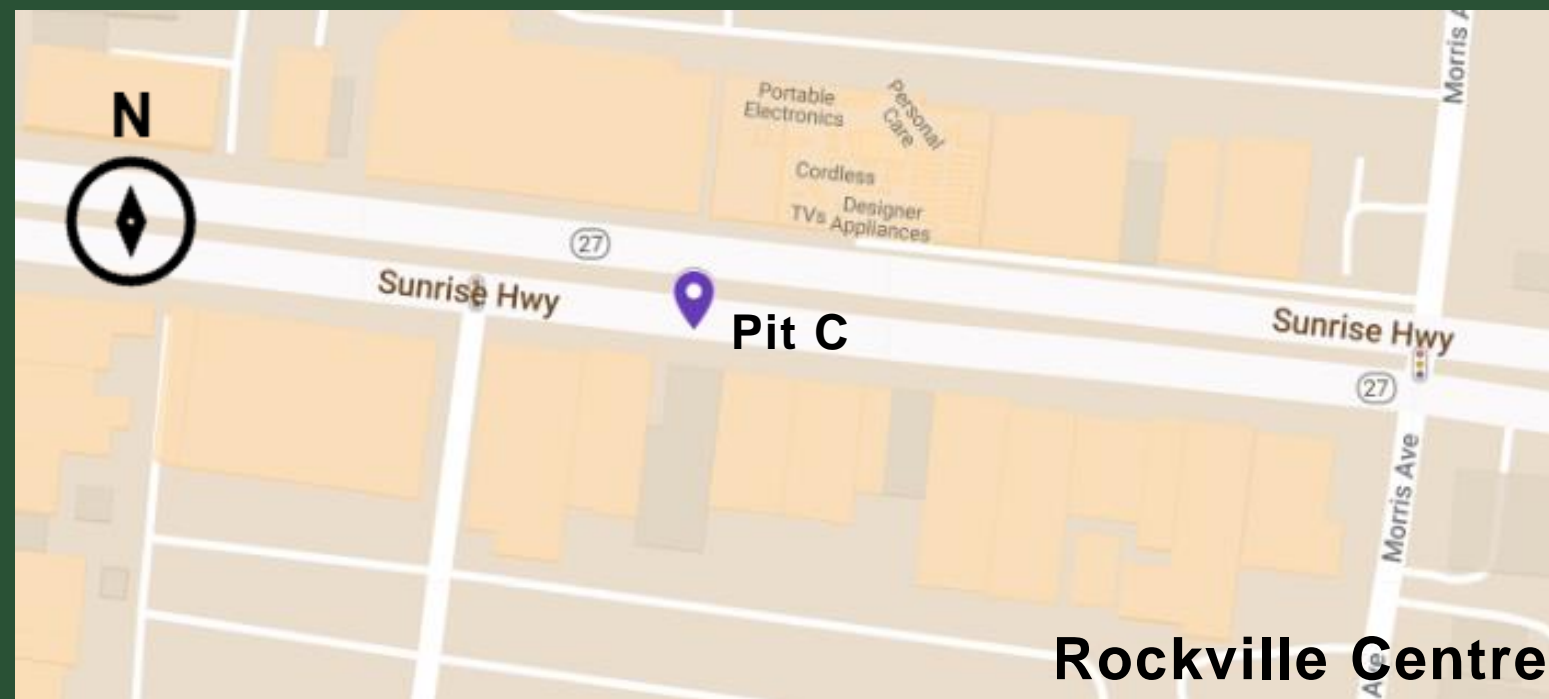
Pit D: A construction entrance has been established at Joyce Field in Rockville Centre on the north side of Sunrise Highway for storage/laydown of materials.



Sheet Pile Installation at BP9 (July 2022)

SUNRISE HWY PIT C

- In September, crews will begin to install SOE in preparation for sliplining.
- Installation of SOE can cause periods of noise and vibration that may be noticeable in the areas directly adjacent to the work site.



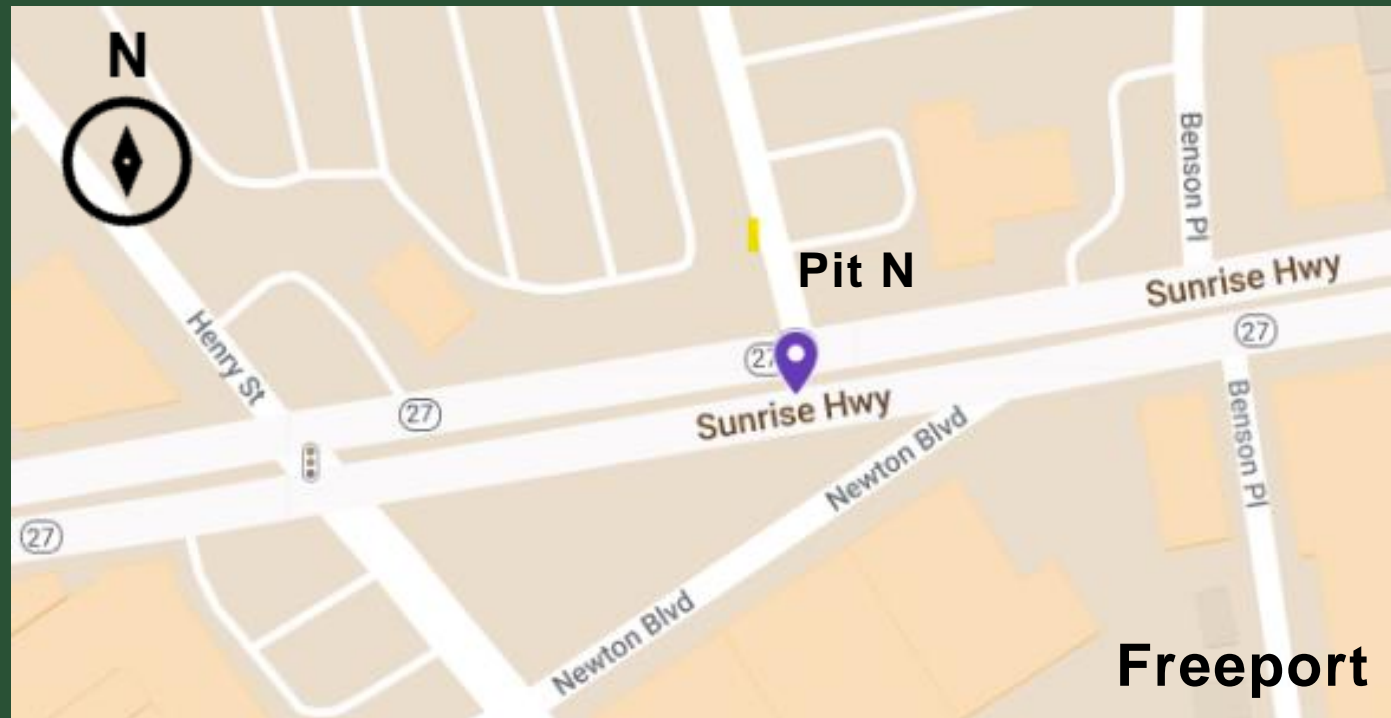
Location: South side of Sunrise Highway, just west of Morris Avenue



Sliplining Pipe near Sunrise Highway (August 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.



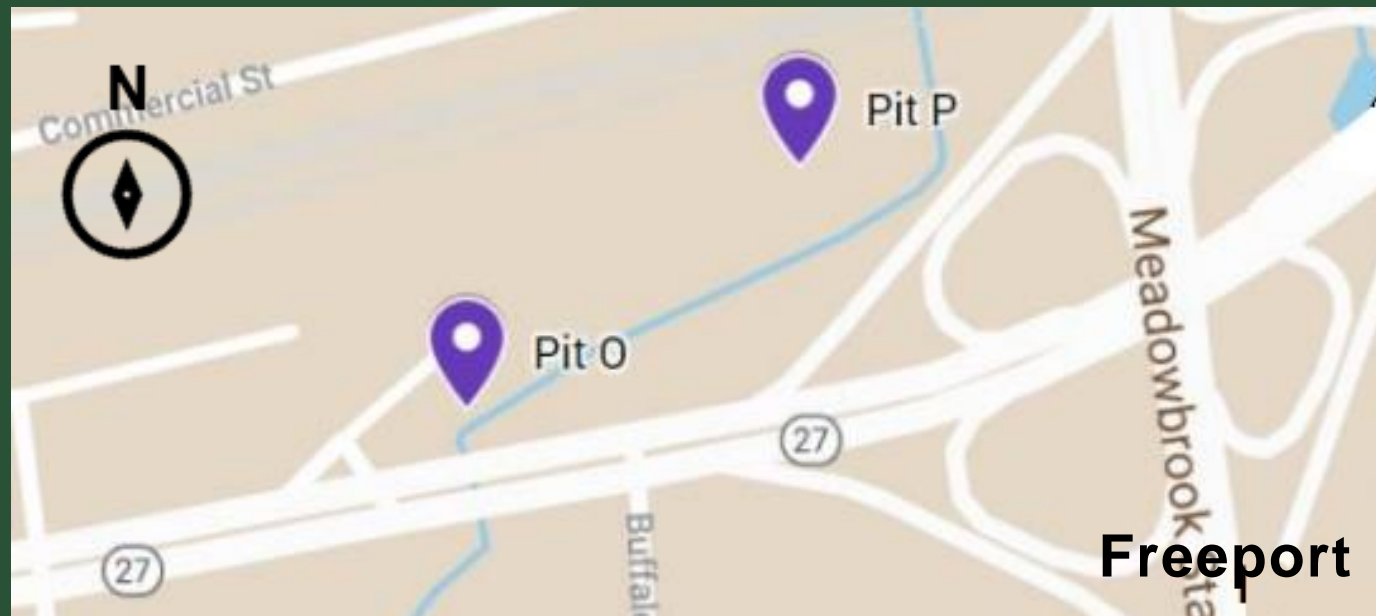
Location: South side of Sunrise Highway, just west of Newton Boulevard



Sheet Pile Installation at Pit N (August 2022)

SUNRISE HWY PITS O AND P

- Sliplining between Pits O to P and Pits P to Q is complete.
- Hydrostatic testing from Pit O to Pit S is underway.
- WBC will continue to use the area for storage/laydown purposes.
- There will be a consistent presence of construction vehicles and crew in the area.



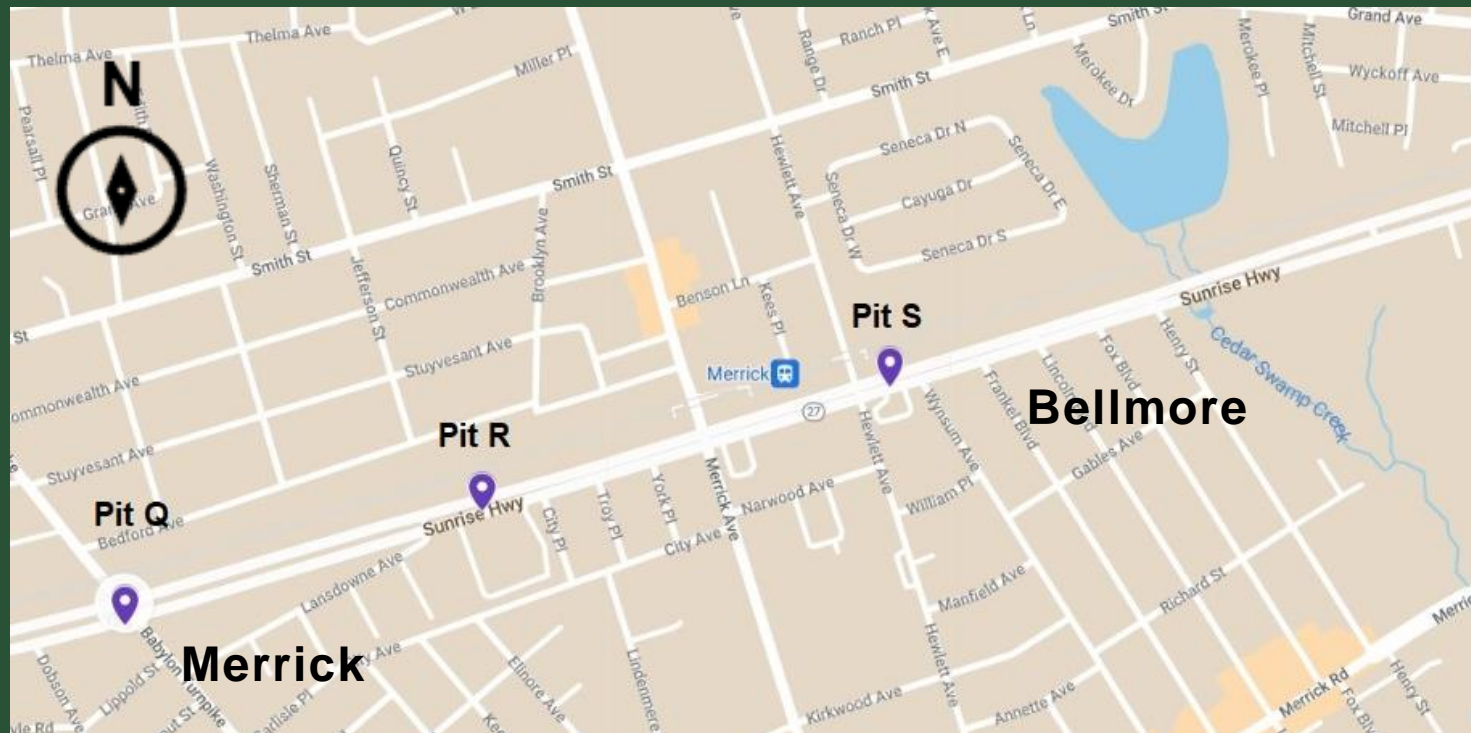
Location: North side of Sunrise Highway just west of the Meadowbrook Parkway



Pipe Delivery at Pit P (July 2022)

SUNRISE HWY PITS Q-S

- Sliplining from 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

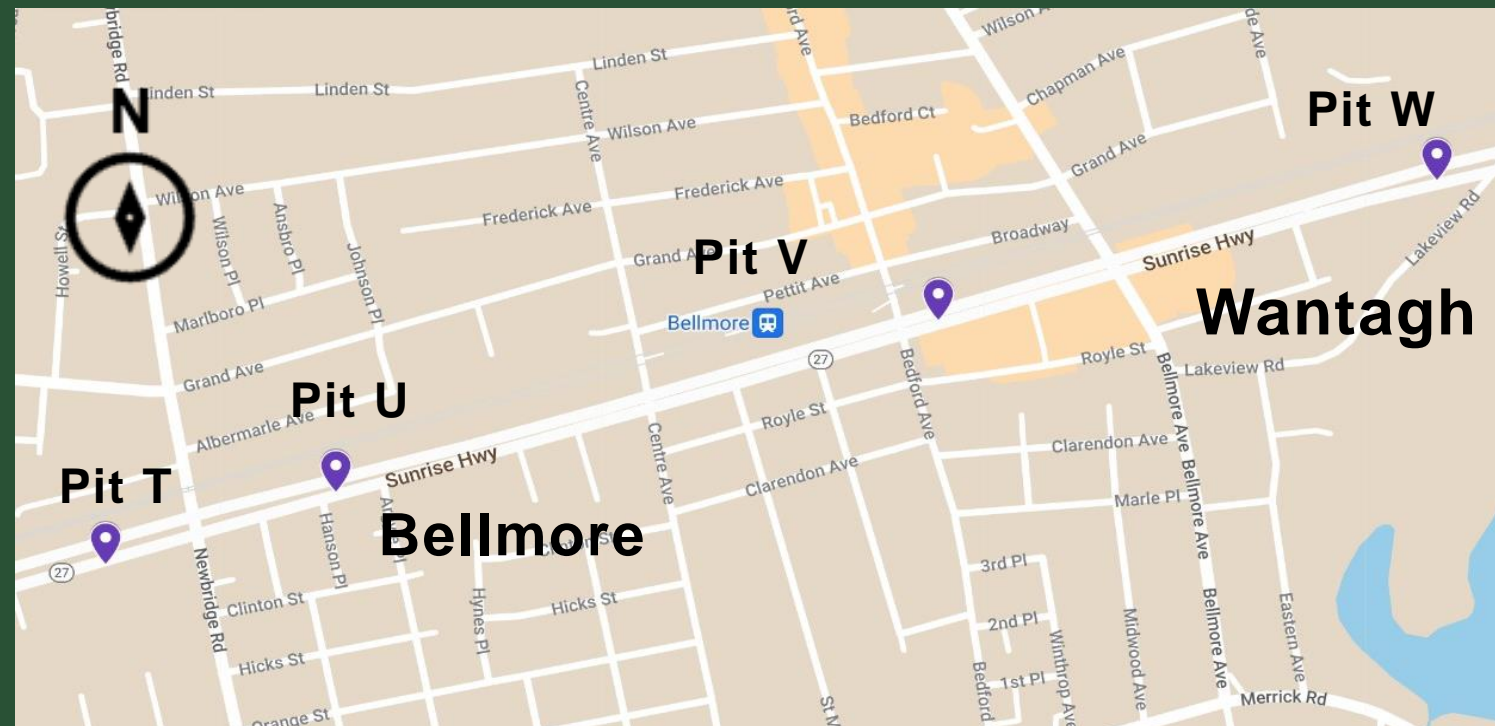
Pit S: South side of Sunrise Highway, east of the Meadowbrook Parkway between Hewlett Avenue and Wynsum Avenue



Jacking Equipment at Pit S (August 2022)

SUNRISE HWY PITS T-W

- Sliplining from Pits S to T, Pits T to U, and Pits U to W is complete.
- Post sliplining activities are underway, including annular grouting.



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.

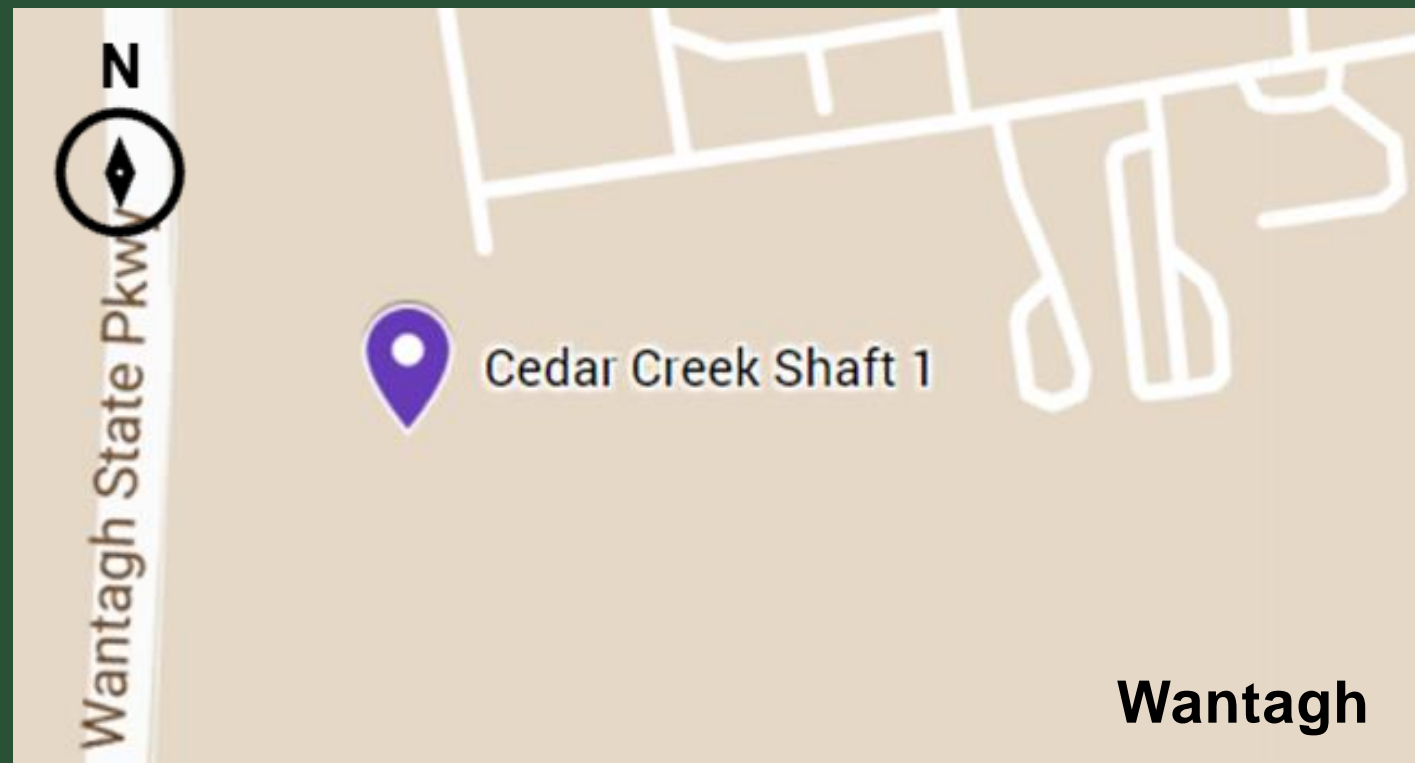
Pit W: South side of Sunrise Highway just west of Lakeview Road in Wantagh.



Sliplining Operations at Pit T (July 2022)

CEDAR CREEK SHAFT 1 (CC1)

- Crews continue to prep the area in advance of microtunneling.
- CC1 will receive the second MTBM, P.O.S.E.I.D.O.N., arriving from CC2, after microtunneling commences.
- Work at this location should have no noticeable impact to Cedar Creek Park users.



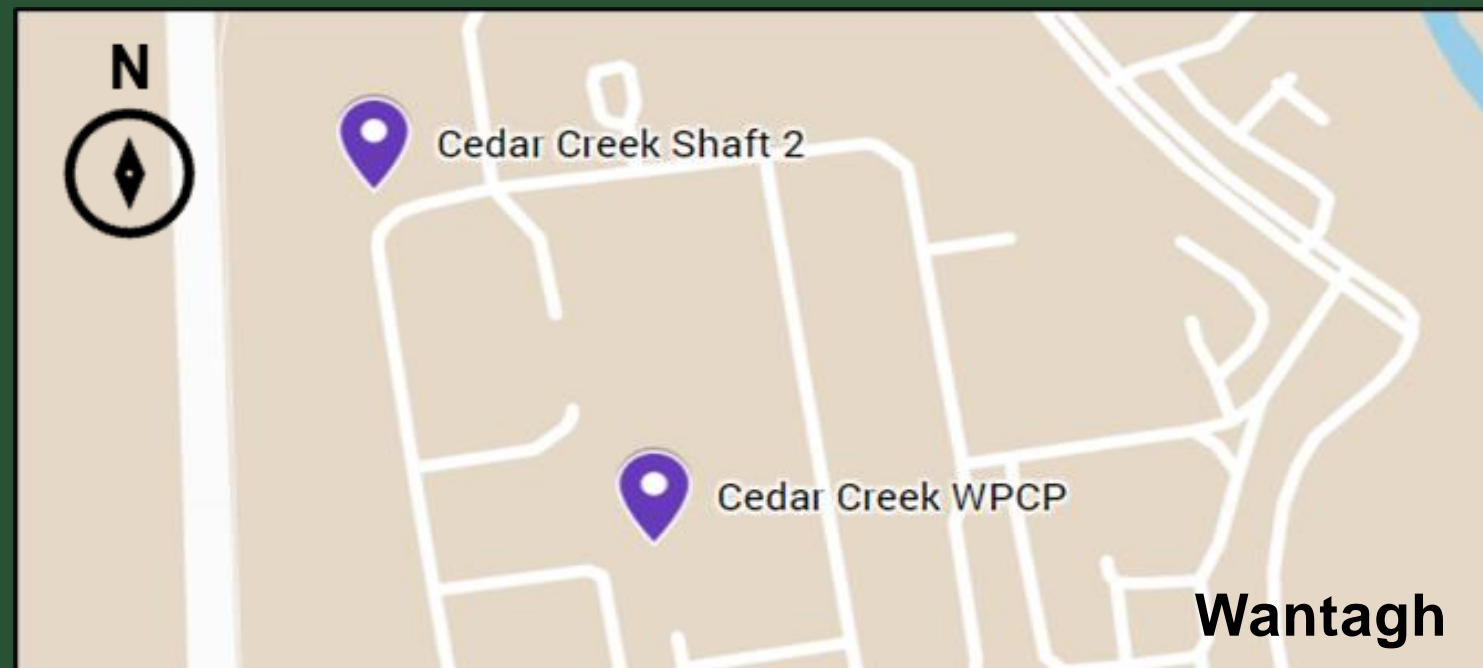
Location: Within footprint of the Cedar Creek WPCP



Pipe Delivery at CC1 (July 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 September.
- The MTBM will microtunnel from CC2 to CC1 and then from CC2 to CC3.



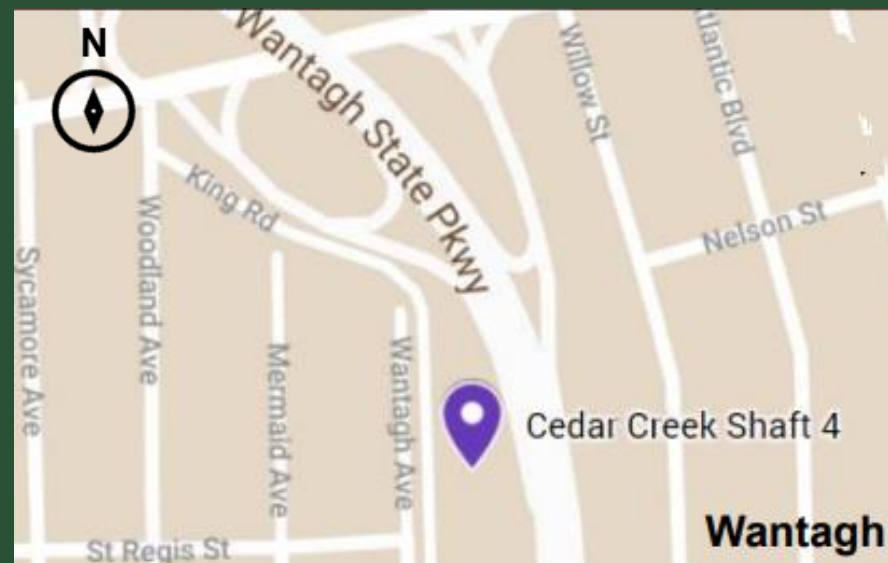
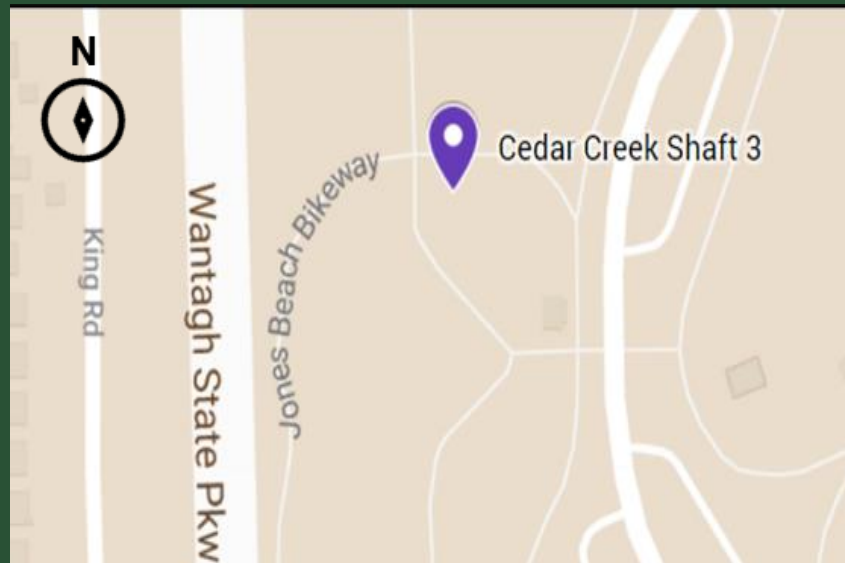
Location: Within the footprint of the Cedar Creek WPCP



Stair Tower Installation at CC2 (July 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.



Locations:

CC3: Cedar Creek Park near the entrance to the Wantagh State Parkway and Jones Beach Bike Path.

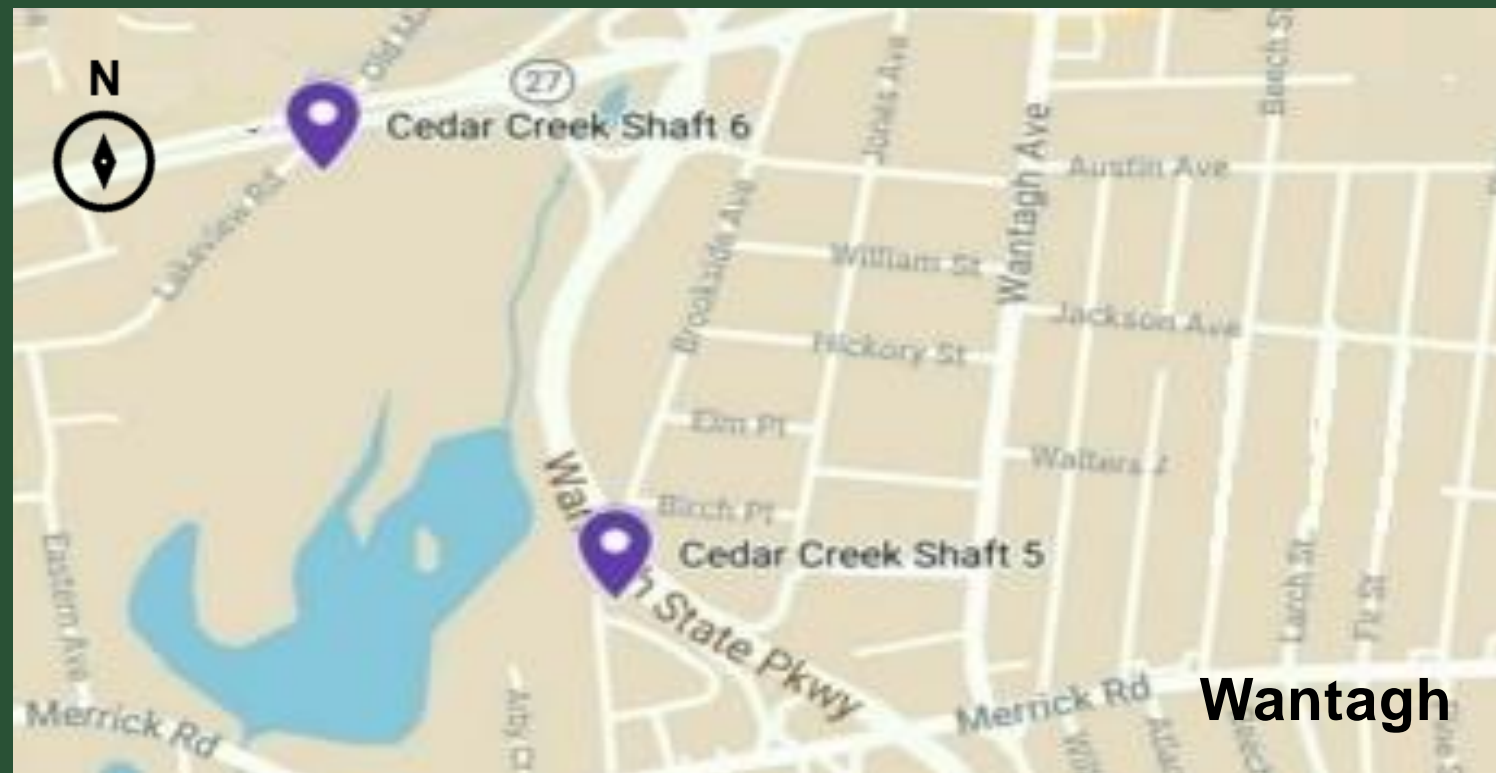
CC4: Off King Road adjacent to Wantagh Avenue/St. Regis Street.



Construction Site at CC4 (August 2022)

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

- SOE installation is complete at CC5 and CC6.
- Crews are preparing both site locations in advance of excavation, anticipated to begin in September.



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 CC6 (July 2022)

PROTECTION OF TRAVELING PUBLIC AND WORK ZONES

- The Project team has deployed Work Zone Traffic Control and Maintenance and Protection of Traffic (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

THANK YOU!

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

