

ELECTED OFFICIALS
AND FIRST
RESPONDERS MEETING



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

January 31, 2023



**Department of
Environmental
Conservation**



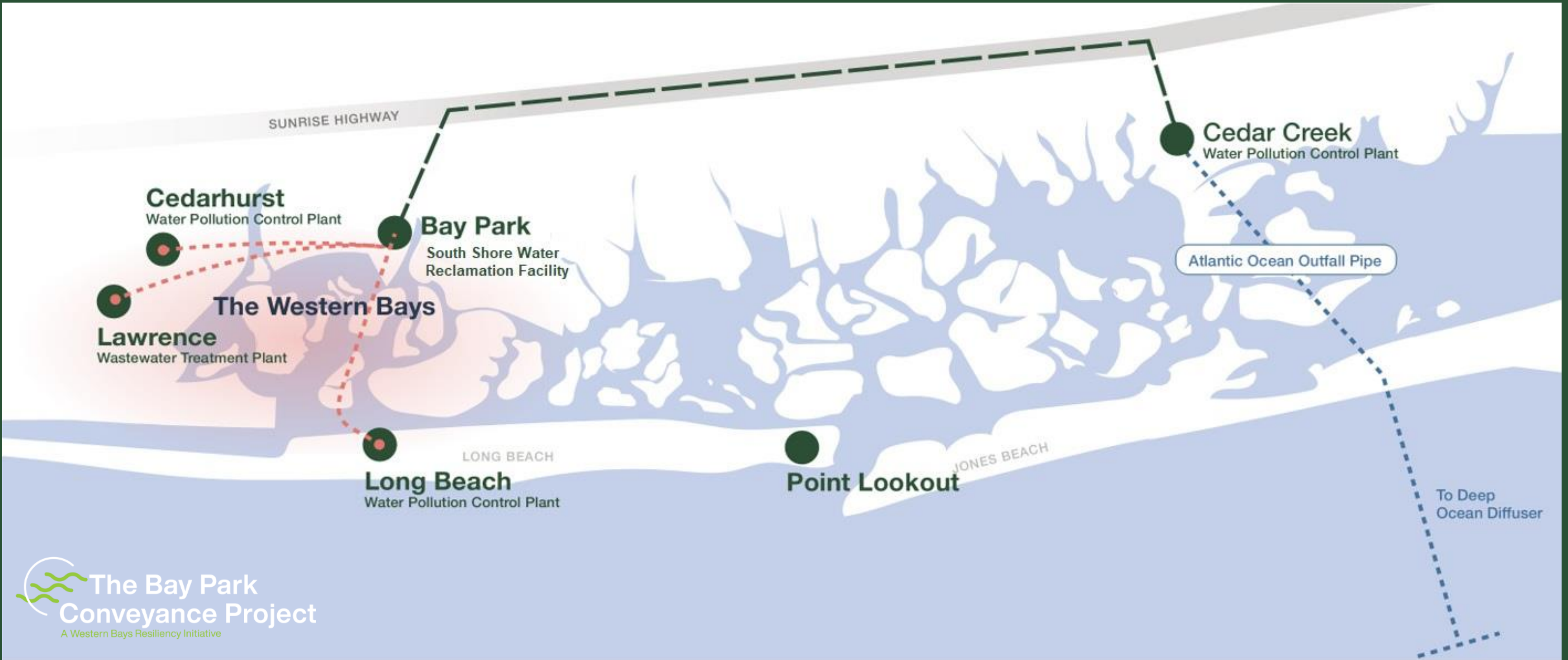


AGENDA

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



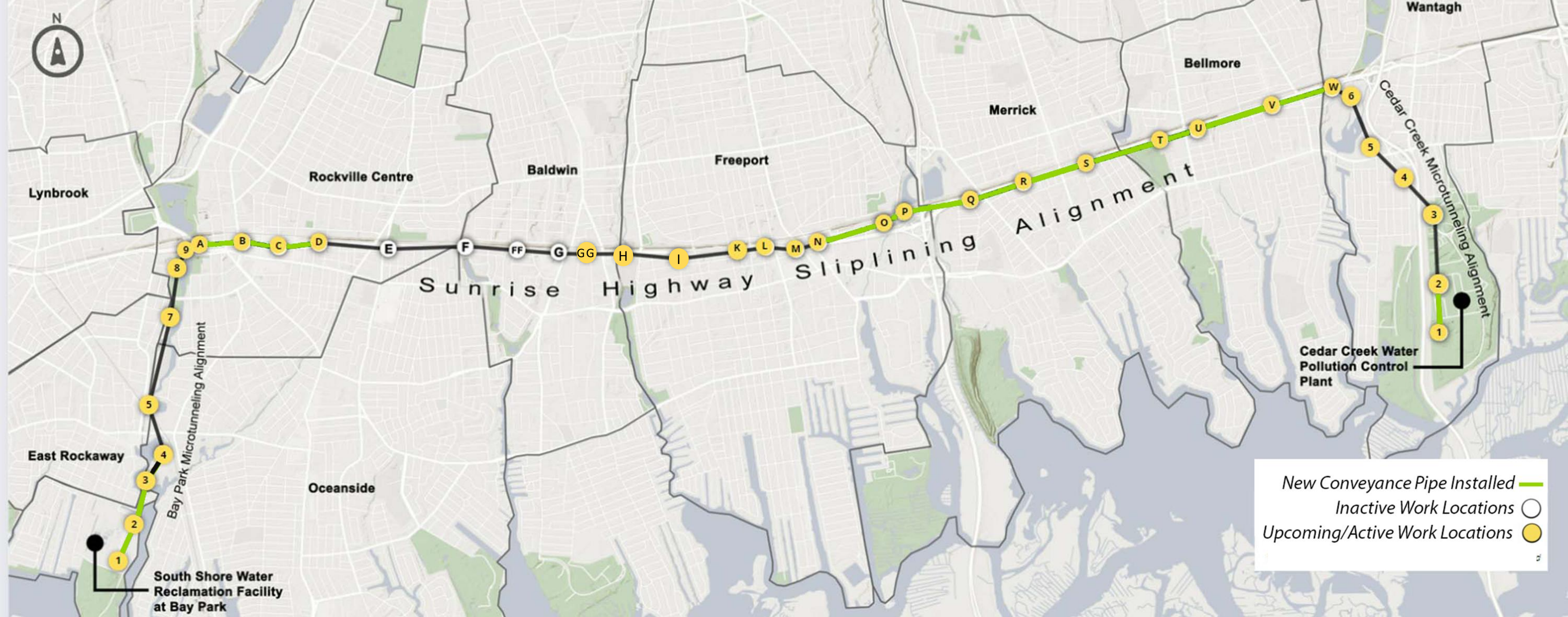
QUALITY OF LIFE FACTORS

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

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

14/14

SHAFTS CONSTRUCTED



2

SHAFTS BACKFILLED



8,506

LINEAR FEET OF
MICROTUNNELING
COMPLETED



43%

OF MICROTUNNELING
COMPLETED



99%

OF DESIGN
COMPLETED



50%

OF OVERALL
CONSTRUCTION
COMPLETED



SLIPLINING PROGRESS BY THE NUMBERS

17/24

PITS CONSTRUCTED



6

PITS TEMPORARILY
RESTORED



22,951

LINEAR FEET OF
SLIPLINING
COMPLETED



61%

OF SLIPLINING
COMPLETED



BAY PARK SHAFT 1 (BP1)

- Microtunneling is complete at BP1 and the shaft is backfilled.
- 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.
- Crews are installing and forming rebar for the first-floor columns of the Pump Station.



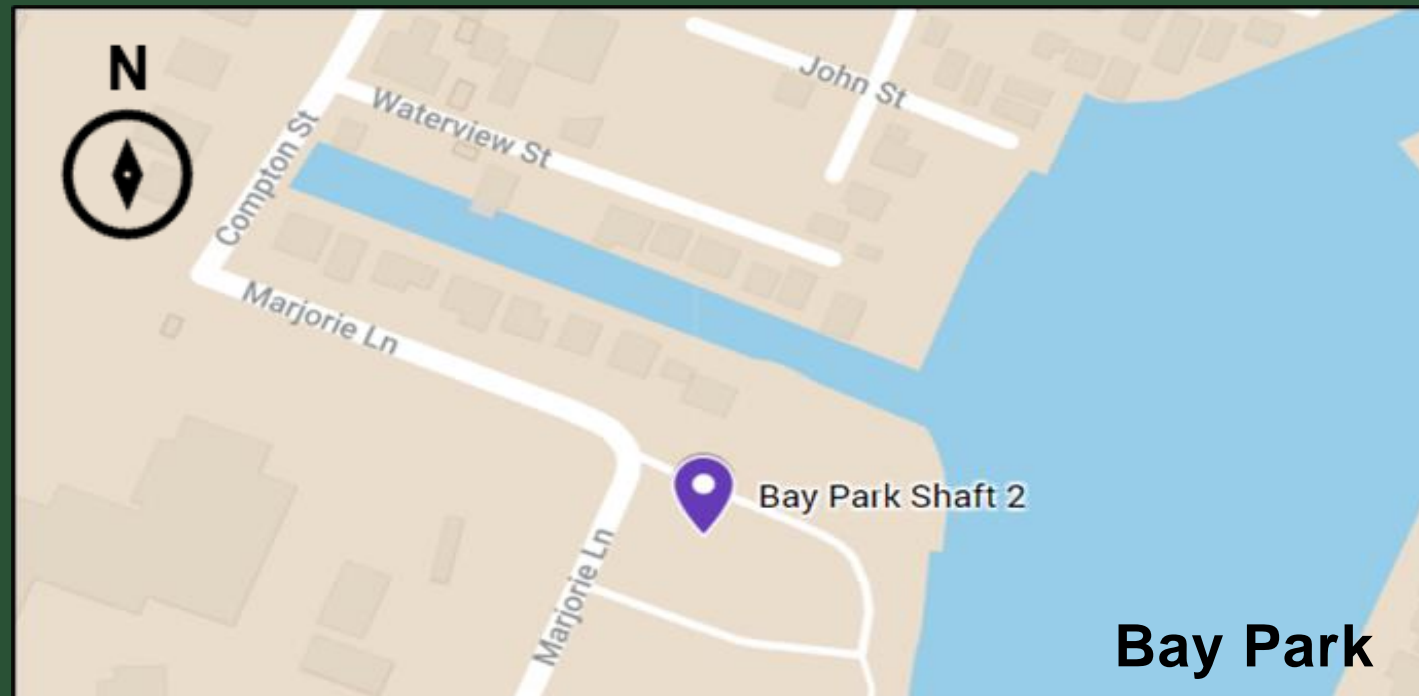
Location: Within the footprint of the South Shore Water Reclamation Facility at Bay Park



Pump Station Construction Near BP1 (January 2023)

BAY PARK SHAFT 2 (BP2)

- Microtunneling is complete at BP2 and the shaft is backfilled.
- Restoration efforts at the site will continue throughout the coming month.

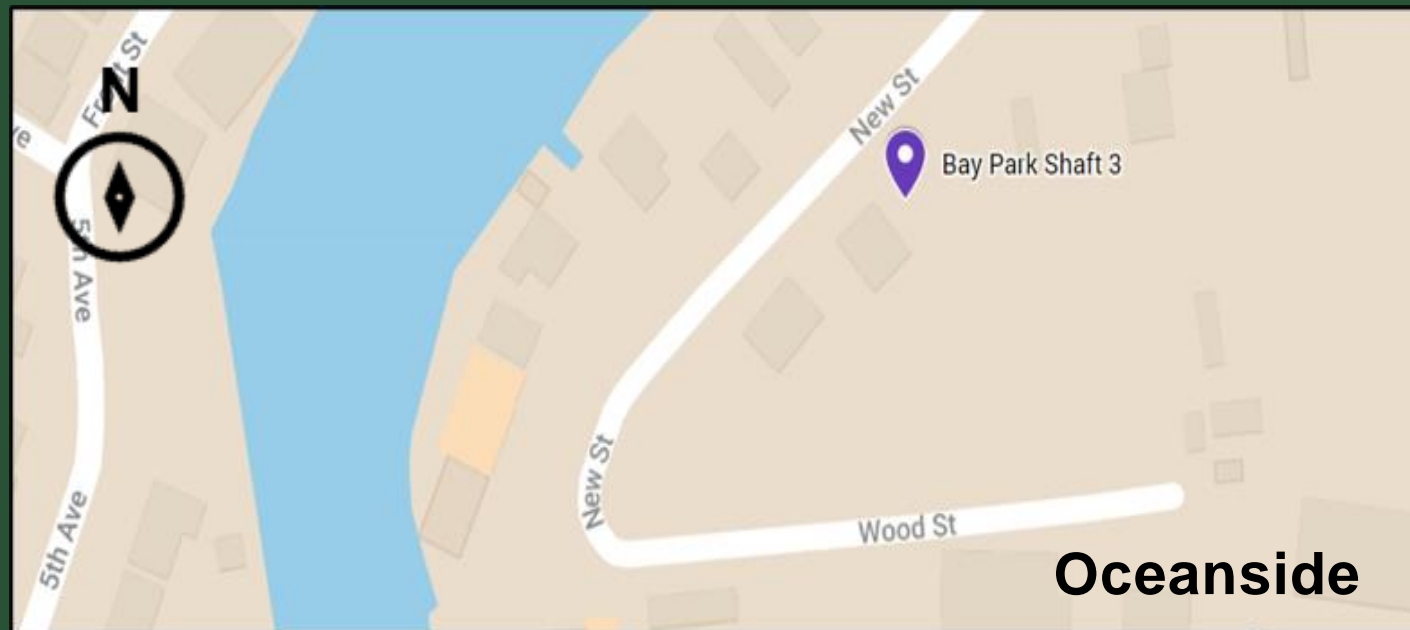


Location: Within the boundaries of Nassau County's Bay Park, at the northeast corner of Marjorie Lane

Backfilling at BP2 (December 2022)

BAY PARK SHAFT 3 (BP3)

- Microtunneling operations are complete from BP1 to BP3.
- The microtunnel boring machine (MTBM), MARSH-MELLOW, is microtunneling from BP3 to Bay Park Shaft 4.



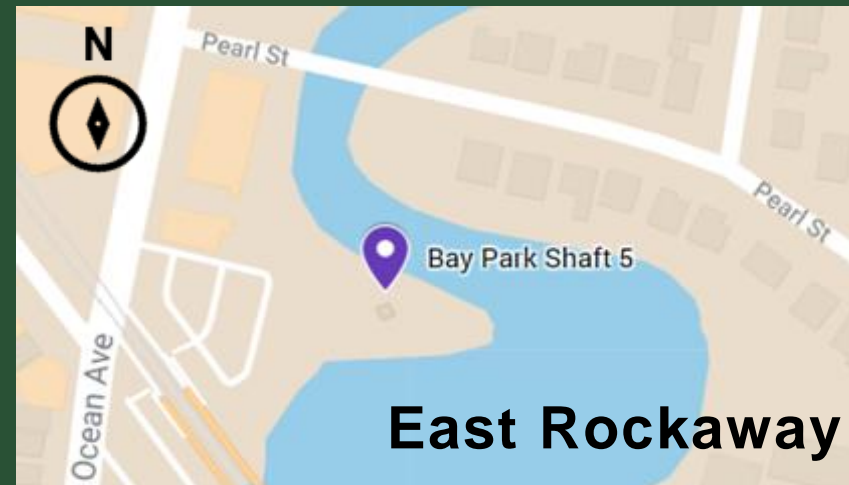
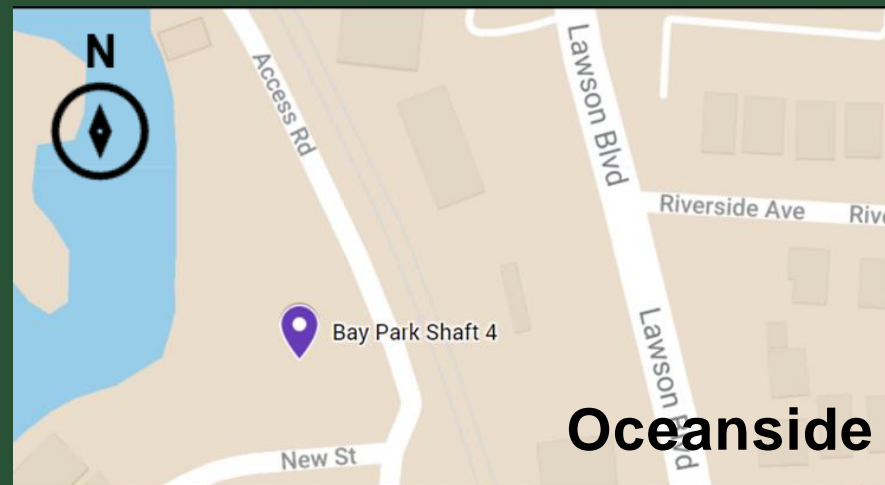
Location: Private property off New Street in Oceanside



BP3 Microtunnel Activities (November 2022)

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

- BP4 will receive MARSH-MELLOW, arriving from BP3.
- Activities are underway at BP5 to prepare for microtunneling.
- MARSH-MELLOW will microtunnel 24-hours a day from BP5 to BP4.
- Oxbow Park will remain closed.
- The public will notice pipe storage at Oxbow Park parking lot until approx. June 2023.



Locations:

BP4: Private property off New Street in Oceanside

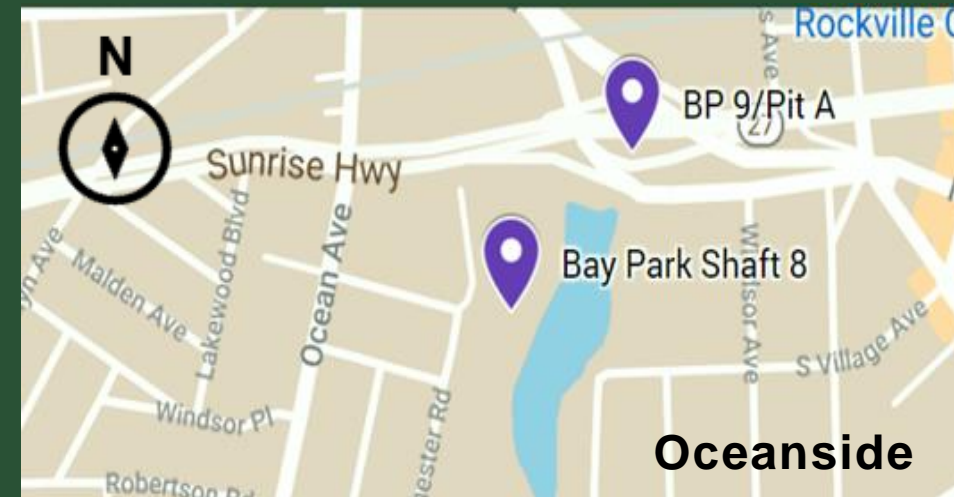
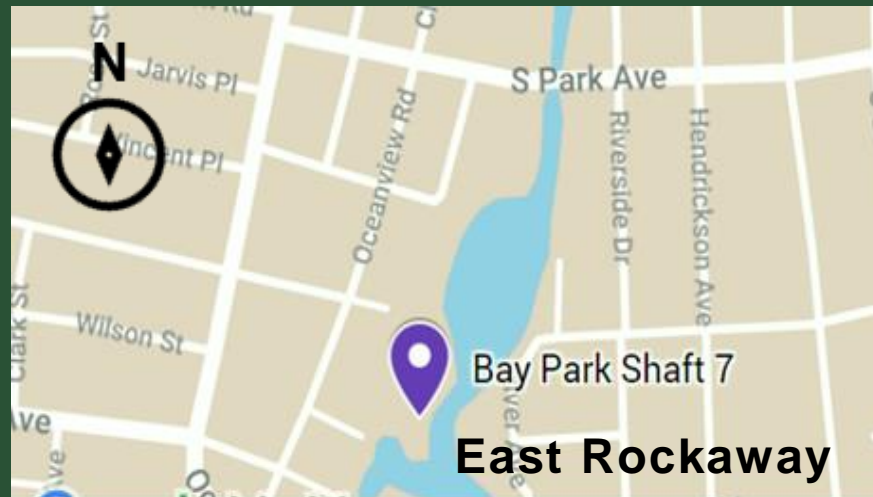
BP5: East Rockaway Oxbow Park off Ocean Avenue near the East Rockaway LIRR Station



BP4 and Construction Site (November 2022)

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

- Crews will continue to use BP7 and BP8 sites for storage/laydown purposes.
- Shaft excavation is complete at BP7.
- At BP8, crews are preparing the site for shaft excavation anticipated to begin in February.



Locations:

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

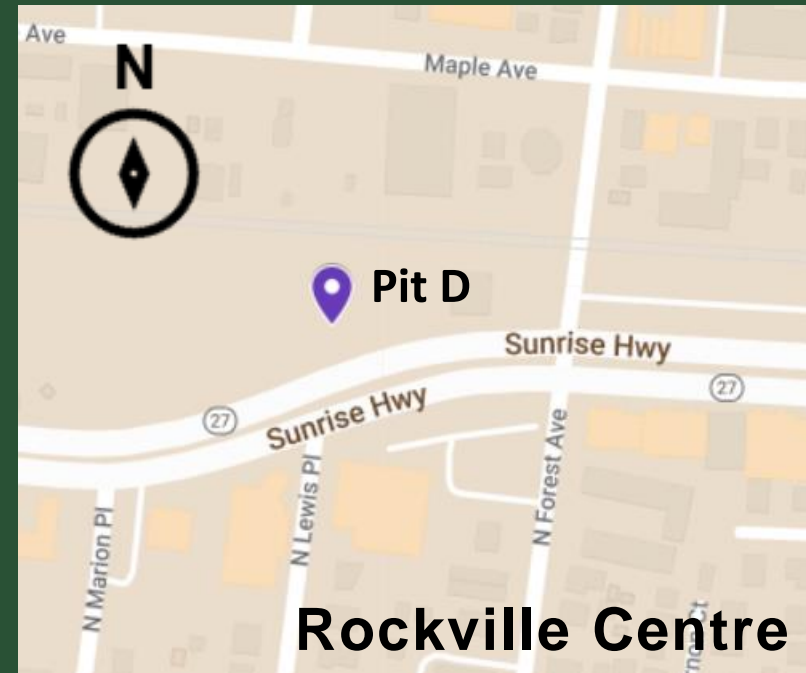
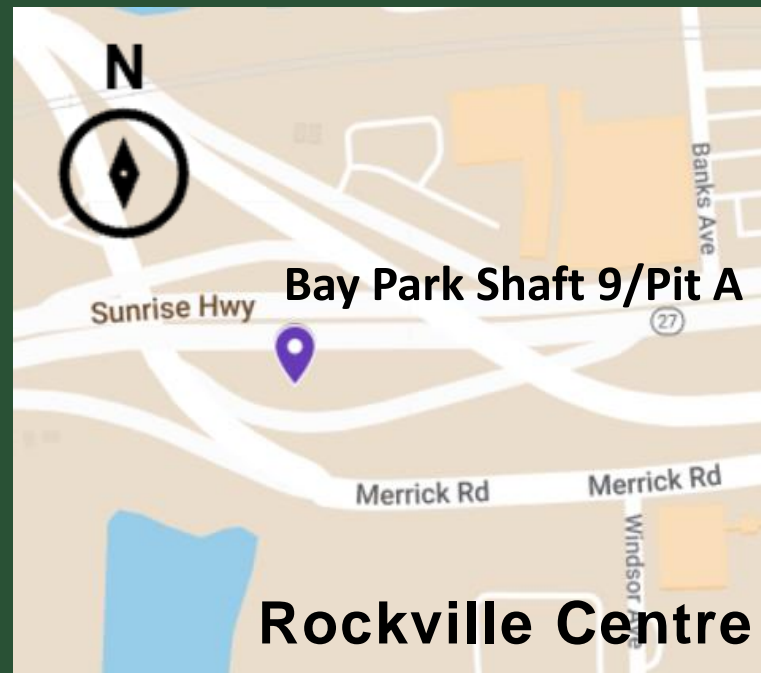
BP8: Rockville Centre's Lister Field at the Mill River Complex Park



Pipe Storage at BP8 (November 2022)

BAY PARK SHAFT 9/PIT A AND PIT D

- Sliplining from Pit A to Pit D is complete.
- Hydrostatic testing efforts will begin from Pit A to 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 continue to have intermittent road closures. Flaggers will direct traffic in and out of the work area.



Locations:

Bay Park Shaft 9 (BP9) / Pit A: A construction entrance has been established at Sunrise Highway/Merrick Road Interchange.

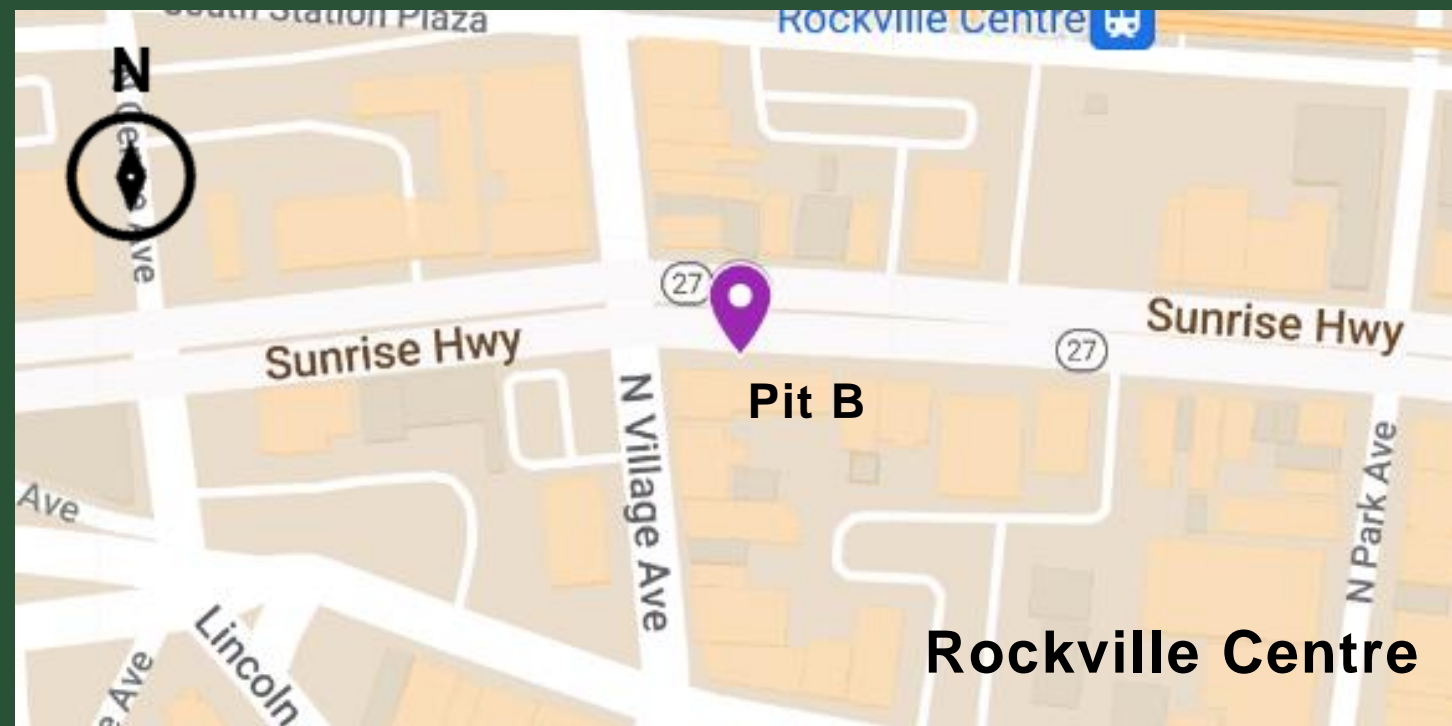
Pit D: A construction entrance has been established at Joyce Field in Rockville Centre on the north side of Sunrise Highway for storage/laydown of materials.



Sheet Pile Installation at BP9 (November 2022)

SUNRISE HWY PIT B

- Sliplining is complete at Pit B.
- Crews are installing a manhole at the pit.



Location:

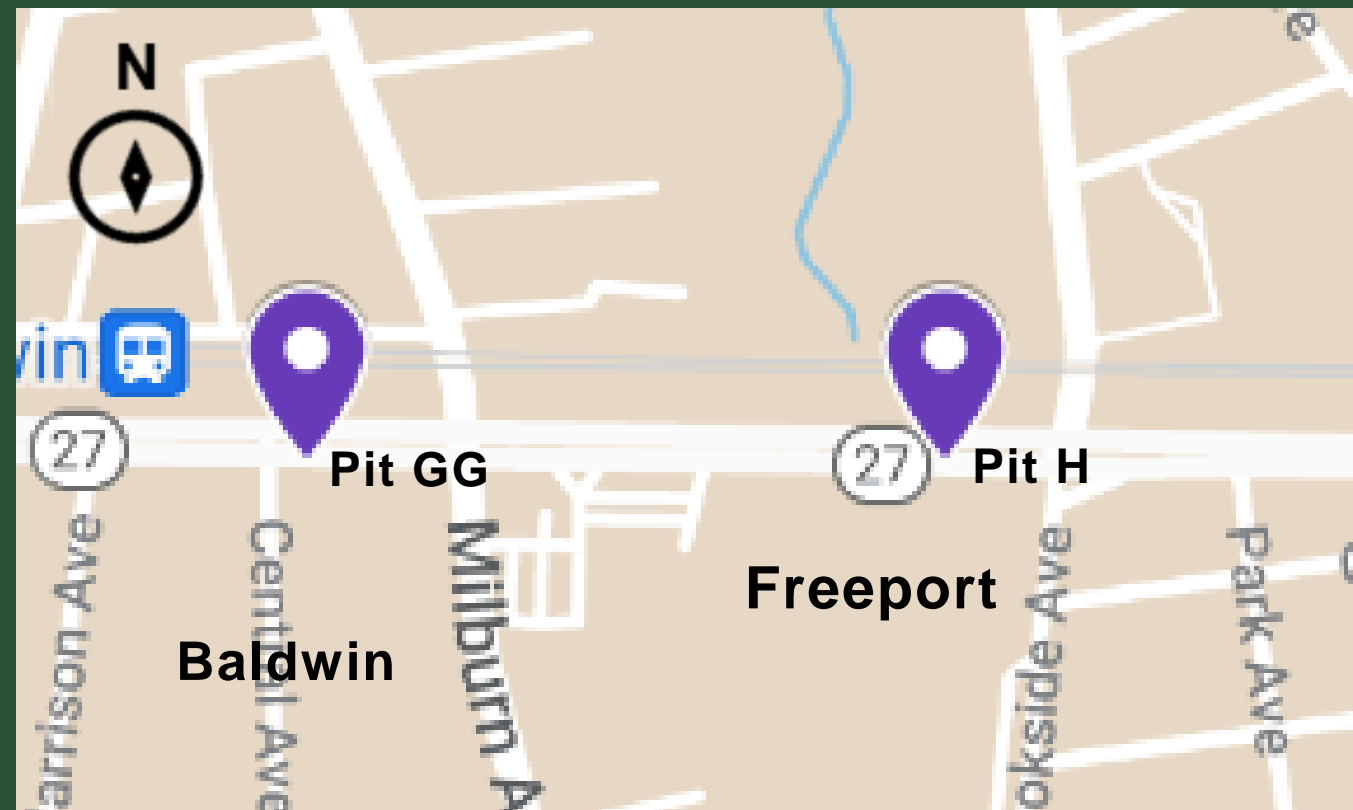
Pit B: South side of Sunrise Highway between N. Village Avenue and N. Park Avenue



Location of Pit B on Sunrise Highway in Rockville Centre (October 2022)

SUNRISE HWY PITS GG AND H

- Crews will install SOE at Pits GG and H, followed by pit excavation.
- Upon completion of pit construction, sliplining will commence.



Locations:

Pit GG: South side of Sunrise Highway just east of Central Avenue.

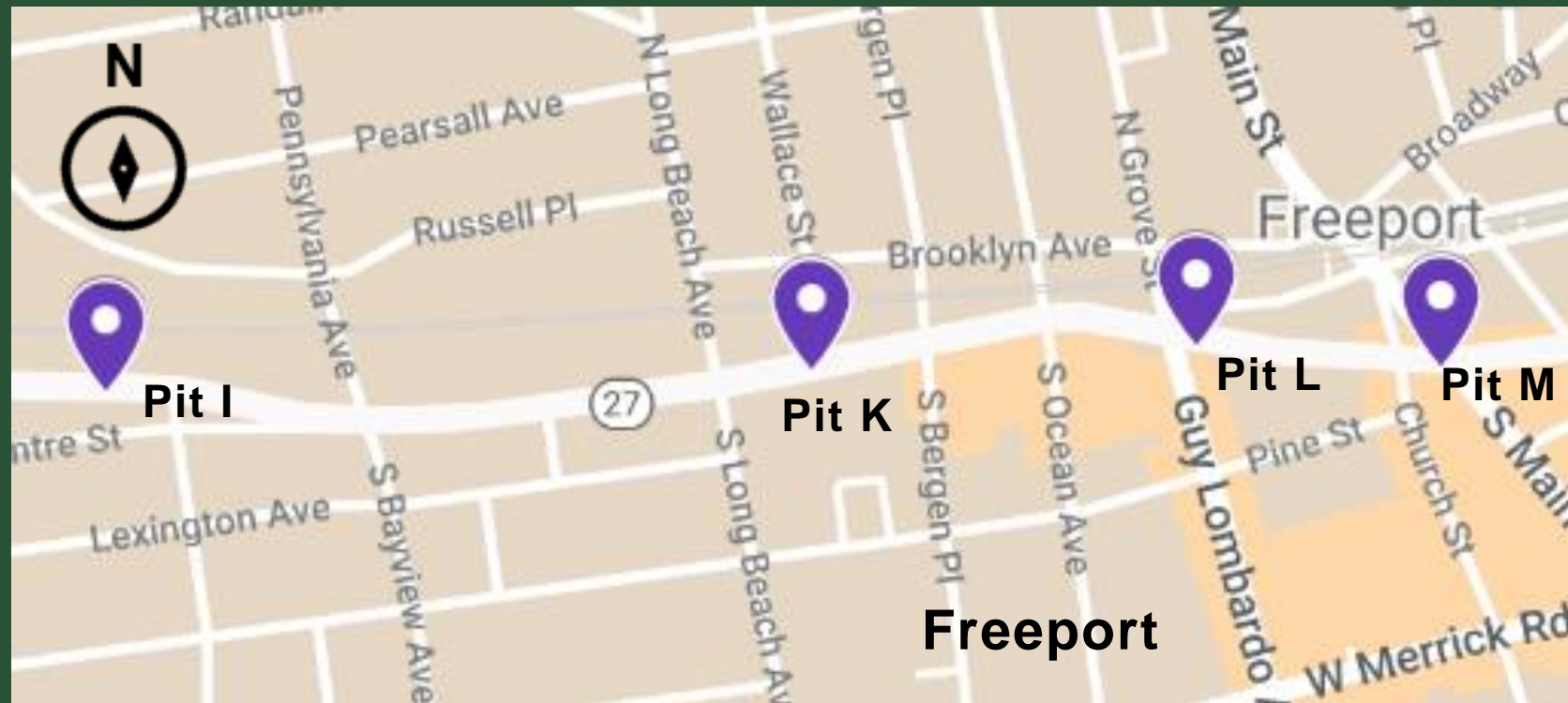
Pit H: South side of Sunrise Highway west of S. Brookside Avenue.



Sunrise Highway in Freeport (January 2023)

SUNRISE HWY PITS I - M

- Installation of SOE continues at Pit I. Sliplining activities will follow.
- Sliplining activities will continue at Pits K, L, and M, followed by grouting activities.



Locations:

Pit I: South side of Sunrise Highway just west of Madison Avenue

Pit K: South side of Sunrise Highway between South Long Beach Avenue and South Bergen Place

Pit L: South side of Sunrise Highway, just east of Guy Lombardo Avenue

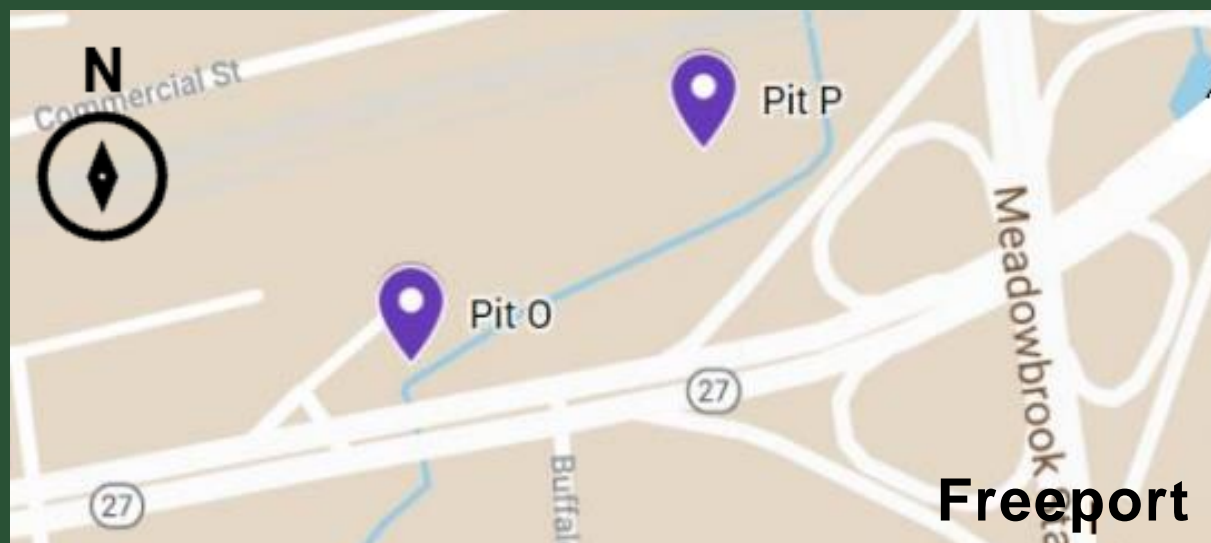
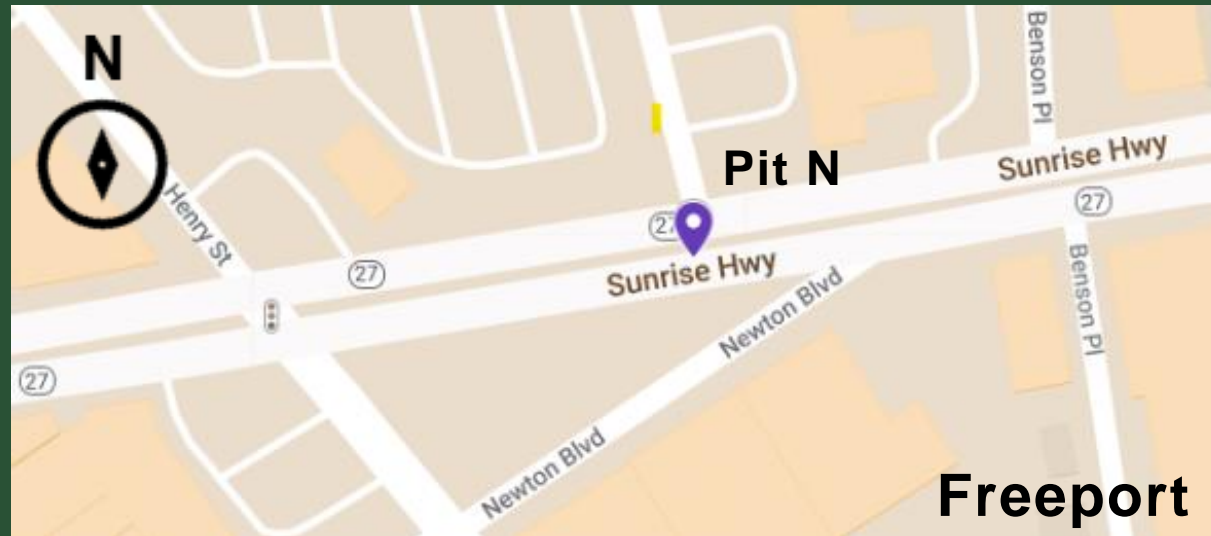
Pit M: South side of Sunrise Highway between Church Street and South Main Street



Pipe Storage on Sunrise Highway (January 2023)

SUNRISE HWY PITS N, O, AND P

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



Locations:

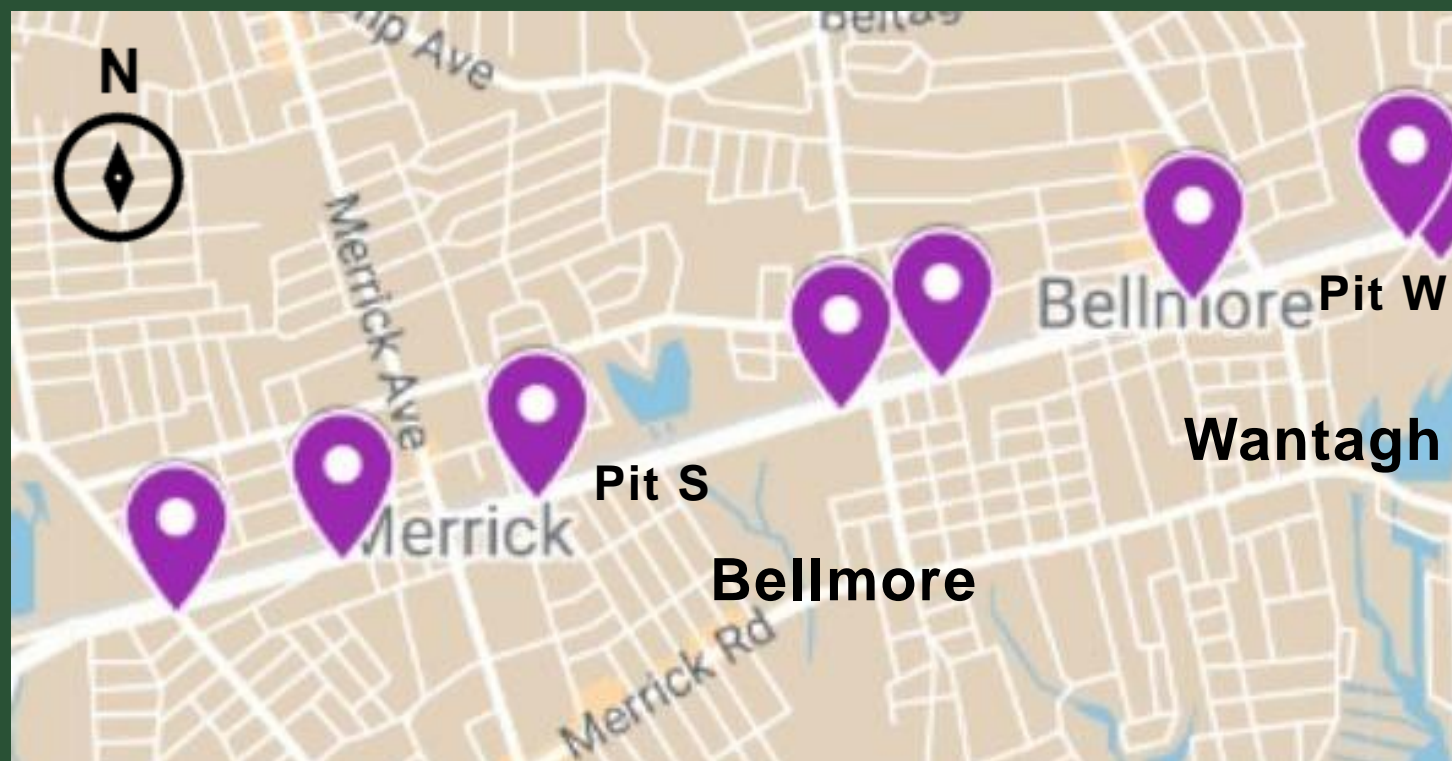
Pit N: South side of Sunrise Highway, just west of Newton Boulevard

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



Pit O (November 2022)

SUNRISE HWY PITS S AND W AND CEDAR CREEK SHAFT 6 (CC6)



Locations:

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

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

CC6: Off Lakeview Road south of Sunrise Highway

- Crews are installing a manhole at Pit S.
- Crews are constructing an open trench from Pit W to CC6 to connect the Sunrise Highway pipeline to the Cedar Creek pipeline. SOE installation between Pit W and CC6 is ongoing.



CC6 Site (November 2022)

SUNRISE HWY

Temporarily Restored Pit Locations

- WBC has worked to temporarily restore the roadway at several pits where sliplining, annular grouting, and supporting activities are complete.
- Concrete roadway panels are removed and temporary paving is complete at Pits C, Q, R, T, U, and V.
- Final roadway restoration will occur in 2023.



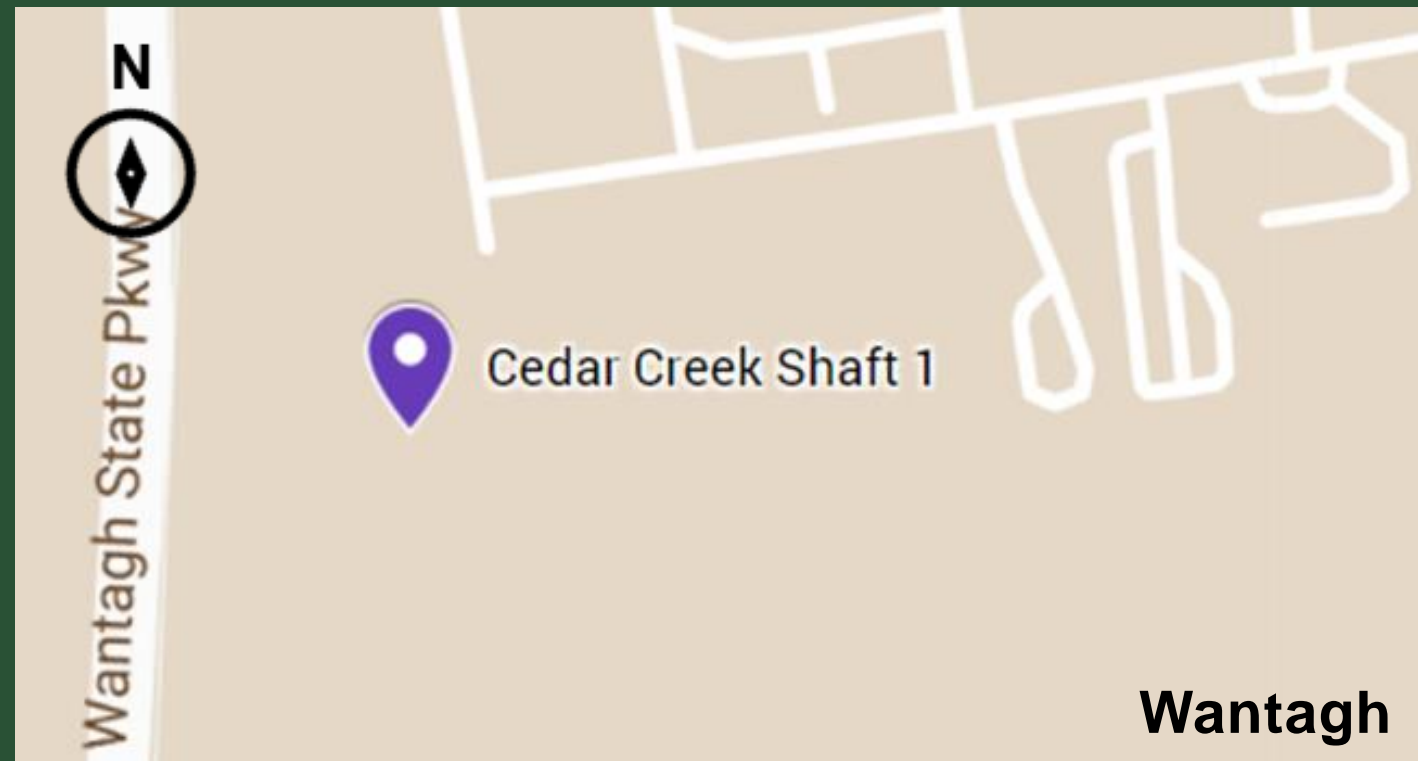
Pit T (January 2023)



Pit U (January 2023)

CEDAR CREEK SHAFT 1 (CC1)

- Microtunneling is complete from CC1 to Cedar Creek Shaft 2 and grouting activities of the new conveyance pipe continue.
- Crews continue work on the receiving tank structure and SOE installation for the wet tap area.
- Helical Pile installation will begin in February.
- Work at this location should have no noticeable impact to Cedar Creek Park users.

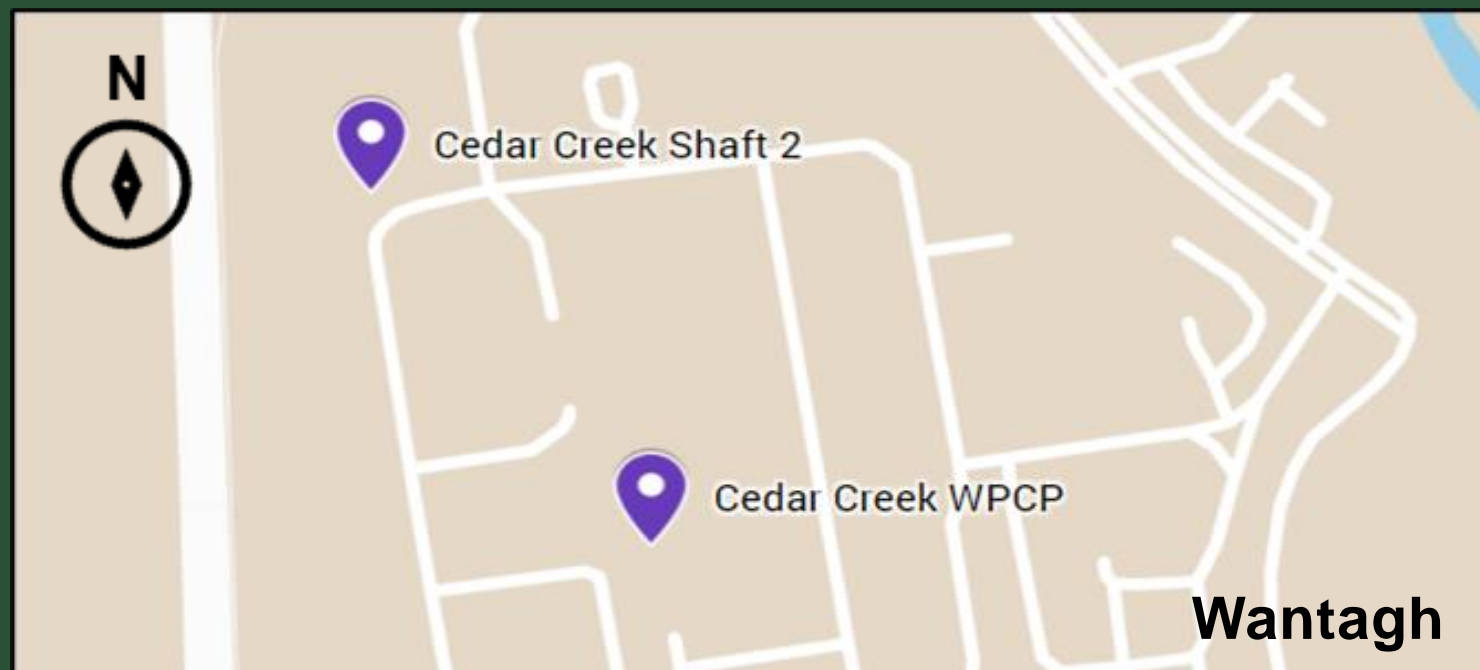


Location: Within footprint of the Cedar Creek WPCP

Sheet Pile Installation at CC1 (November 2022)

CEDAR CREEK SHAFT 2 (CC2)

- P.O.S.E.I.D.O.N., the Project's second MTBM arrived from CC2 to Cedar Creek Shaft 3.
- Night work may continue to support post microtunneling activities.



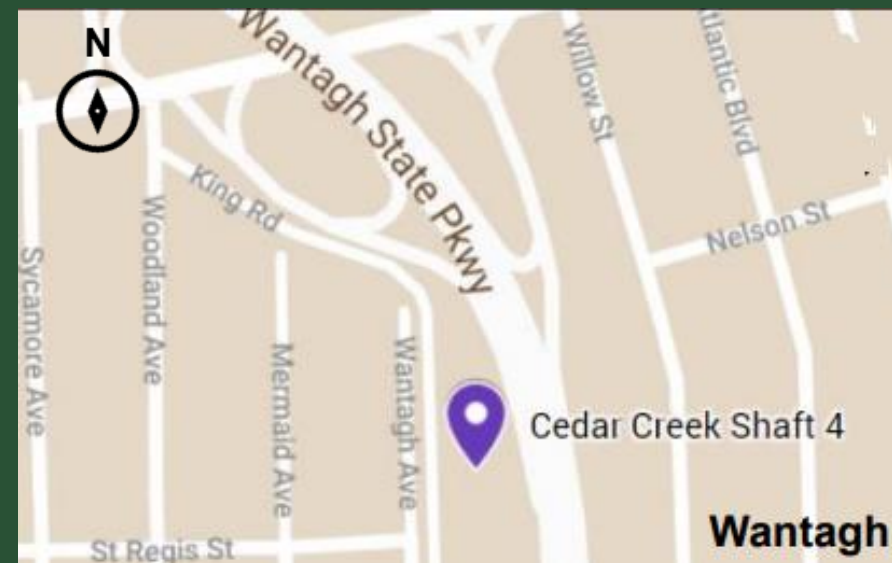
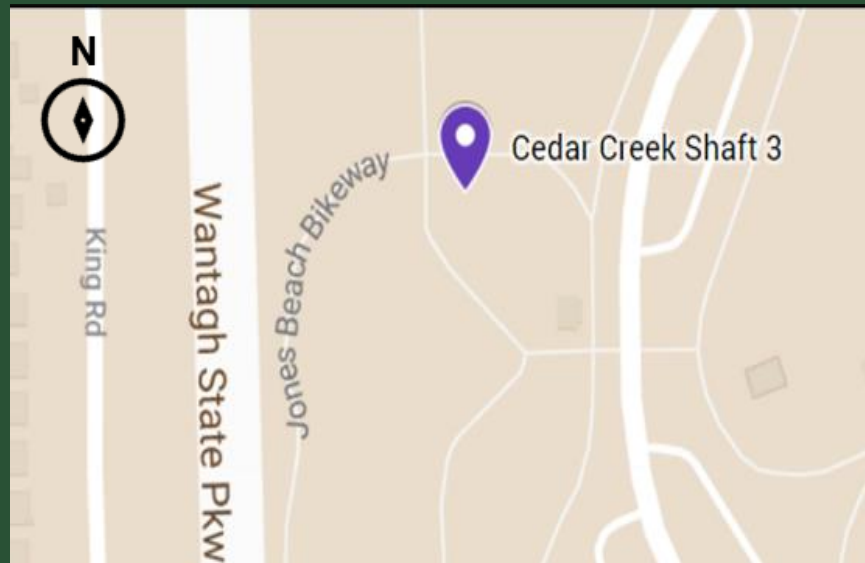
Location: Within the footprint of the Cedar Creek WPCP



Post Microtunneling Activities at CC2 (November 2022)

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

- CC3 received P.O.S.E.I.D.O.N. from CC2.
- The Jones Beach Bike Path will remain open to the public throughout construction.
- At CC4, crews continue to prepare the shaft in advance of microtunneling.
- 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.

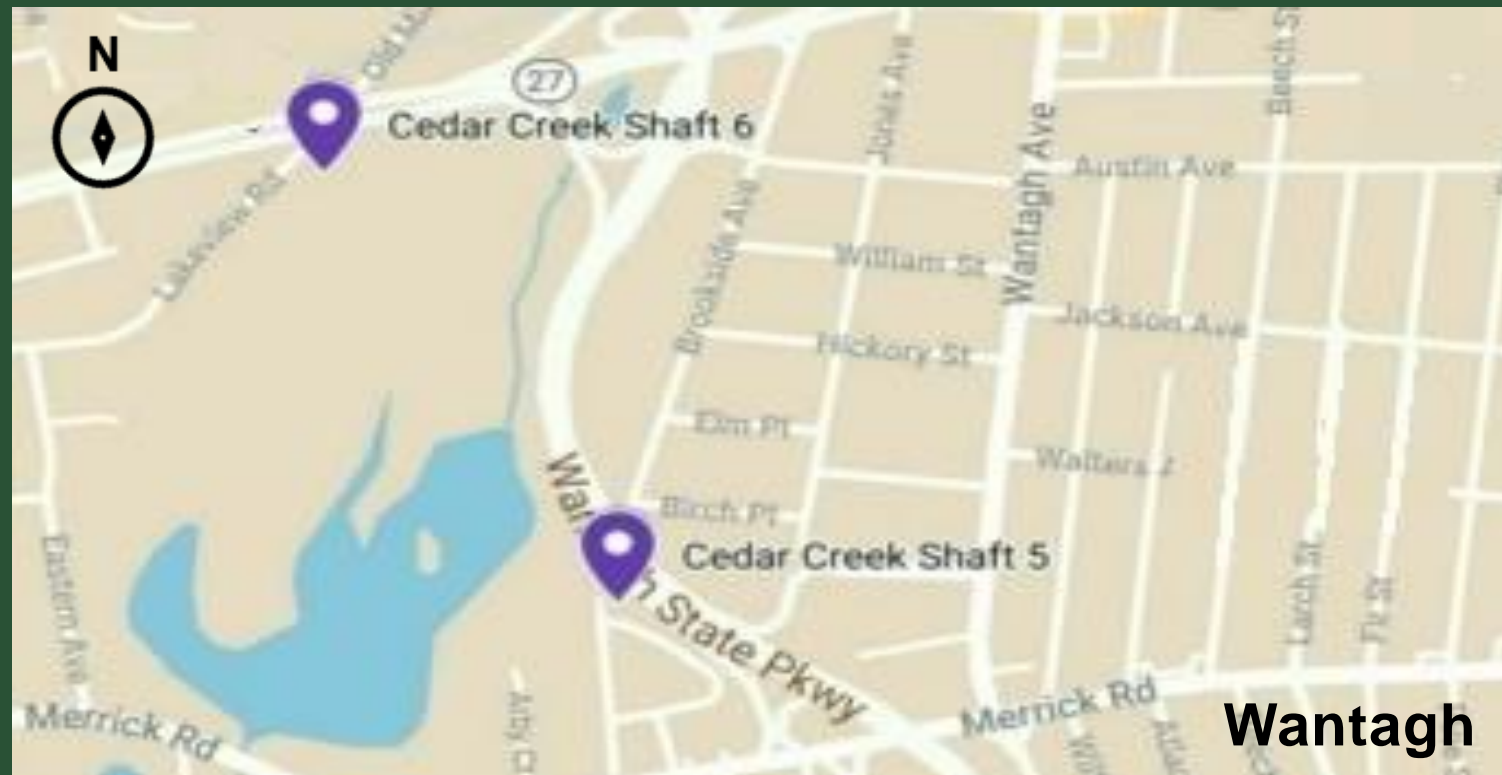
CC4: Off King Road adjacent to Wantagh Avenue/St. Regis Street.



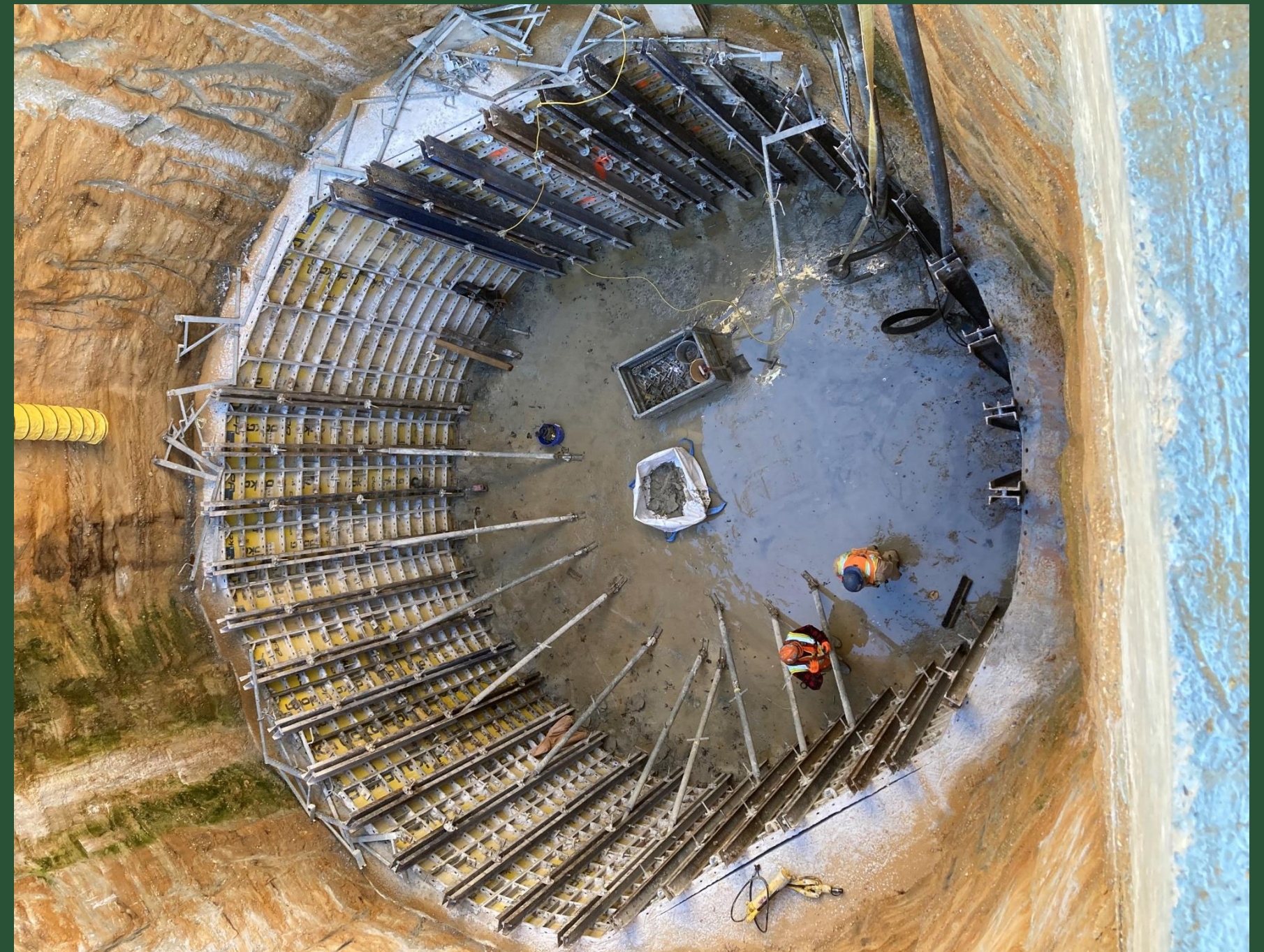
Construction Site at CC4 (November 2022)

CEDAR CREEK SHAFT 5 (CC5)

- SOE installation, shaft excavation, and construction of a concrete liner wall are complete at CC5.
- Crews are preparing the site in advance of microtunneling.



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



Concrete Liner Wall Construction at CC5 (December 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.

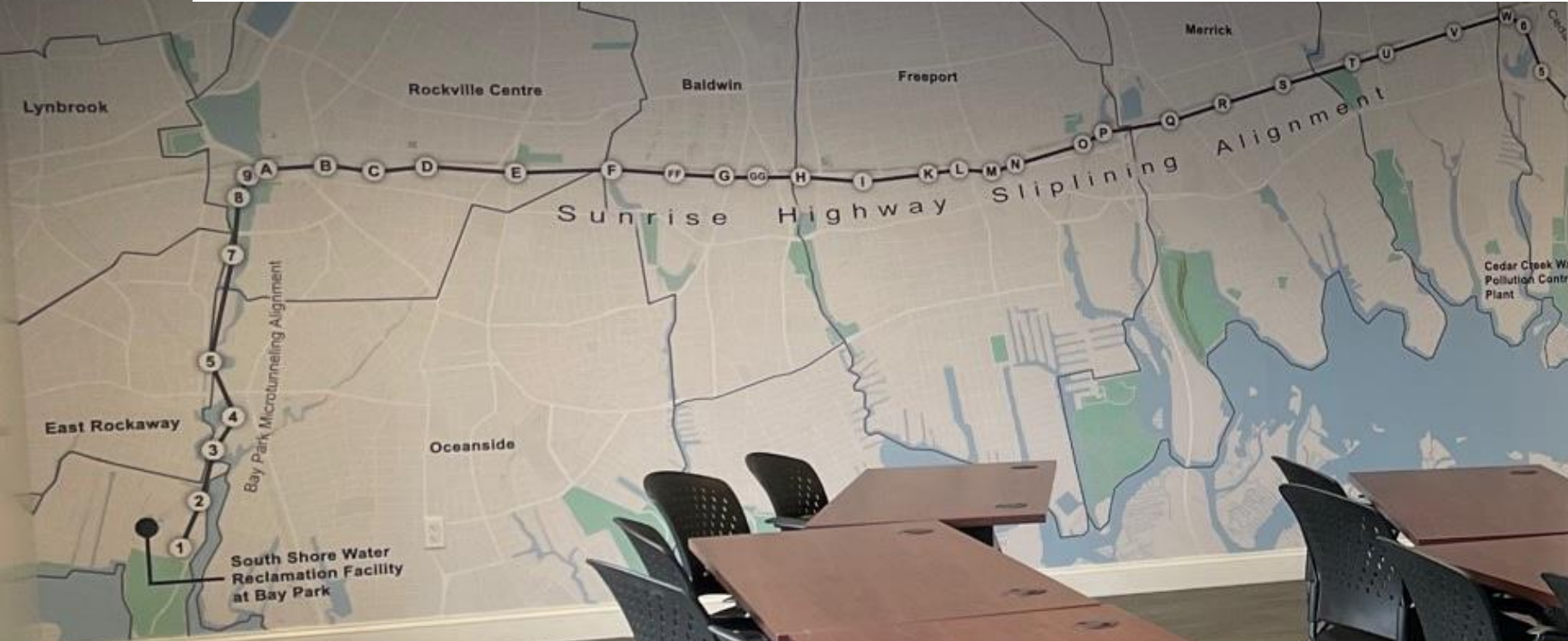




SPOTLIGHT ON SAFETY & CONSTRUCTION TIDINESS

- 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

Email

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24/7 Project Hotline

(516) 252-6121

Website

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Community Information Center

265 Sunrise Highway

Rockville Centre, New York 11570

*See website for hours

Facebook

@BayParkConveyance

QUESTION AND ANSWER SESSION



THANK YOU!

