

ELECTED OFFICIALS AND
FIRST RESPONDERS
MONTHLY MEETING



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

March 28, 2023



**Department of
Environmental
Conservation**



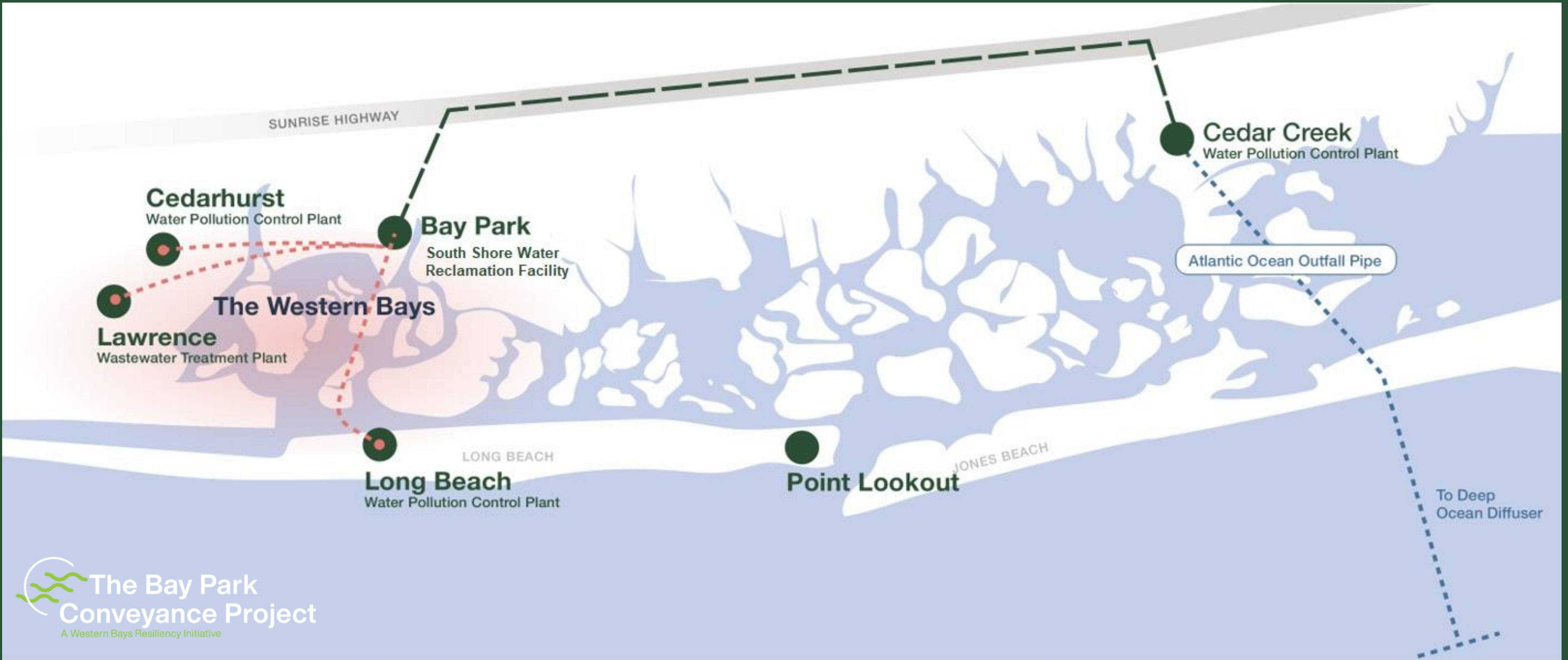


AGENDA

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



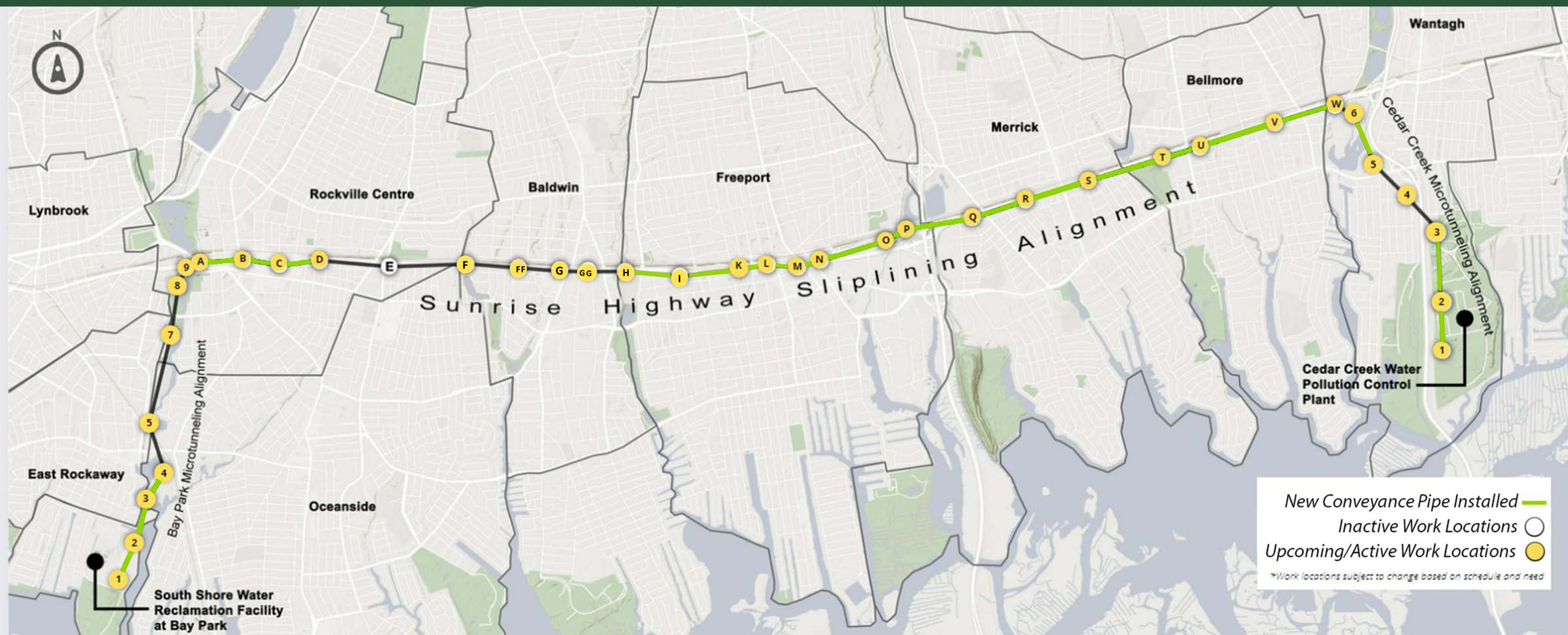
QUALITY OF LIFE FACTORS

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



10,876

LINEAR FEET OF
MICROTUNNELING
COMPLETED



55%

OF MICROTUNNELING
COMPLETED



99%

OF DESIGN
COMPLETED



58%

OF OVERALL
CONSTRUCTION
COMPLETED



SLIPLINING PROGRESS BY THE NUMBERS

19/24

PITS CONSTRUCTED



8

PITS TEMPORARILY
RESTORED



28,578

LINEAR FEET OF
SLIPLINING
COMPLETED



77%

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.
- In April, crews will begin to install utilities and continue installation of structural steel at the pump station and begin removal of the effluent conduit roof.



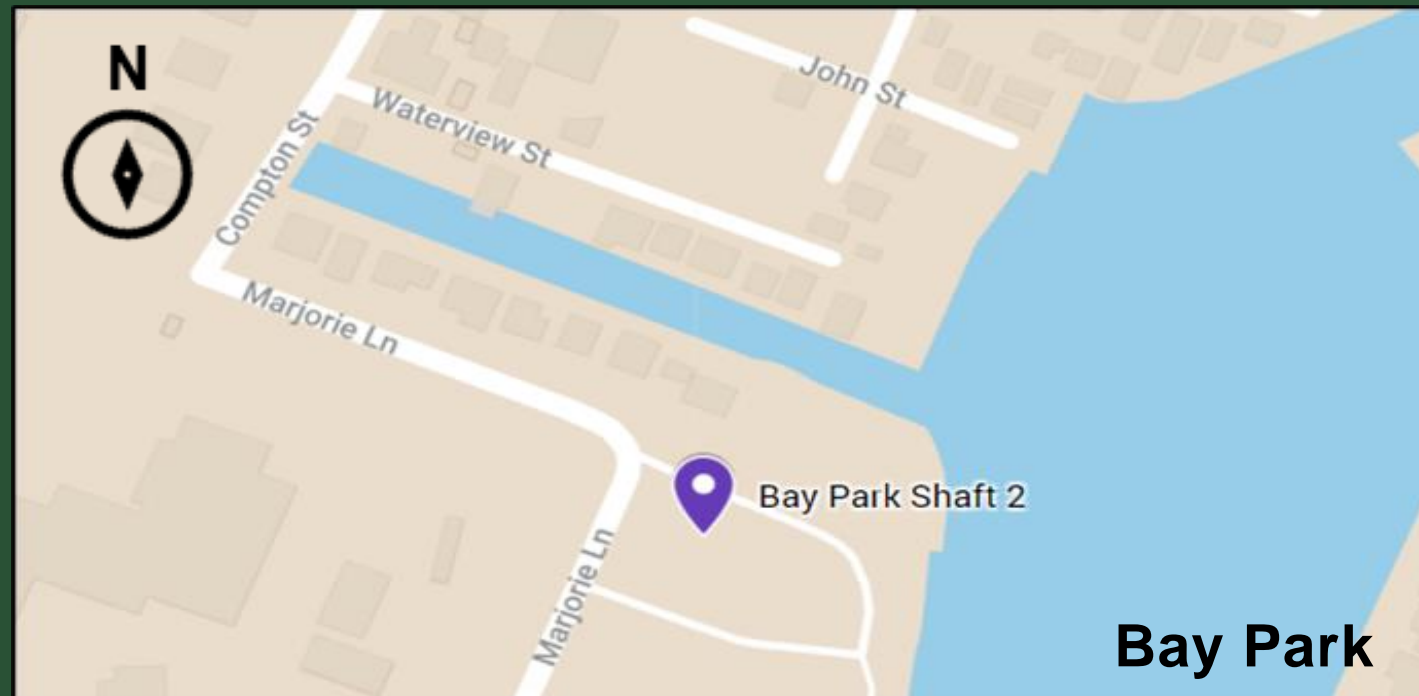
Location: Within the footprint of the South Shore Water Reclamation Facility at Bay Park



Pump Station Construction Near BP1 (February 2023)

BAY PARK SHAFT 2 (BP2)

- Microtunneling is complete at BP2 and the shaft is backfilled.
- Site restoration efforts will continue through April.



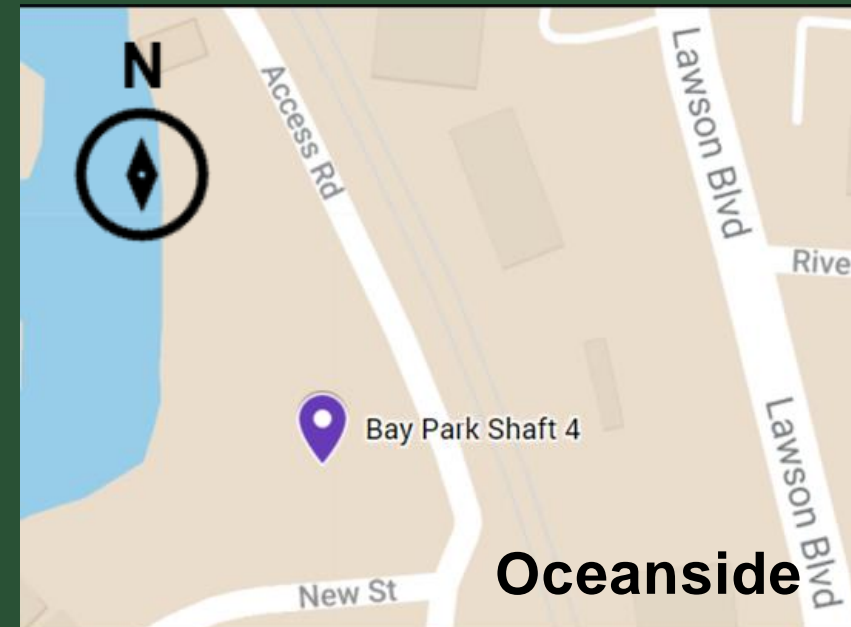
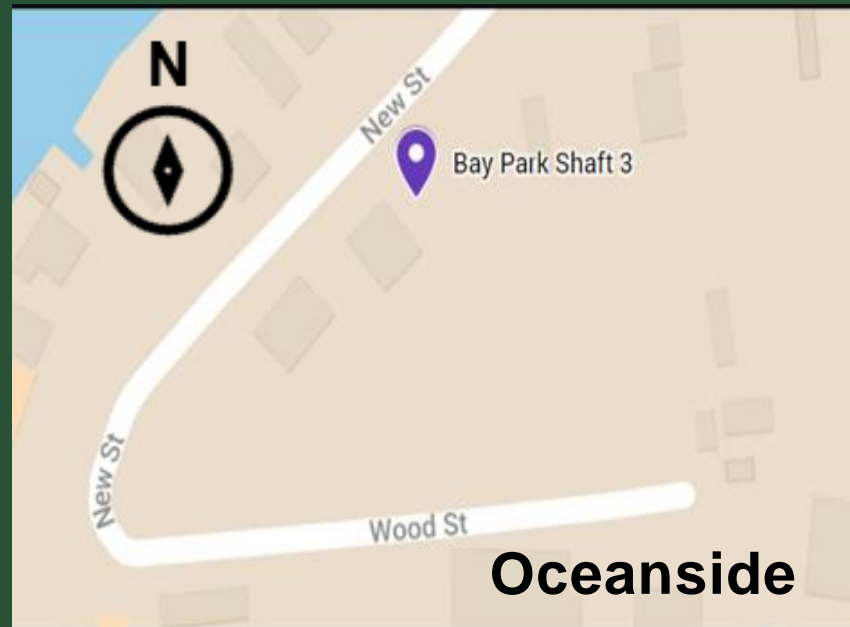
Location: Within the boundaries of Nassau County's Bay Park, at the northeast corner of Marjorie Lane



Grading at BP2 (January 2023)

BAY PARK SHAFTS 3 (BP3) AND 4 (BP4)

- Microtunneling is complete from BP1 to BP4.
- Restoration and backfilling will continue at BP3.



Locations:

BP3: Private property off New Street in Oceanside

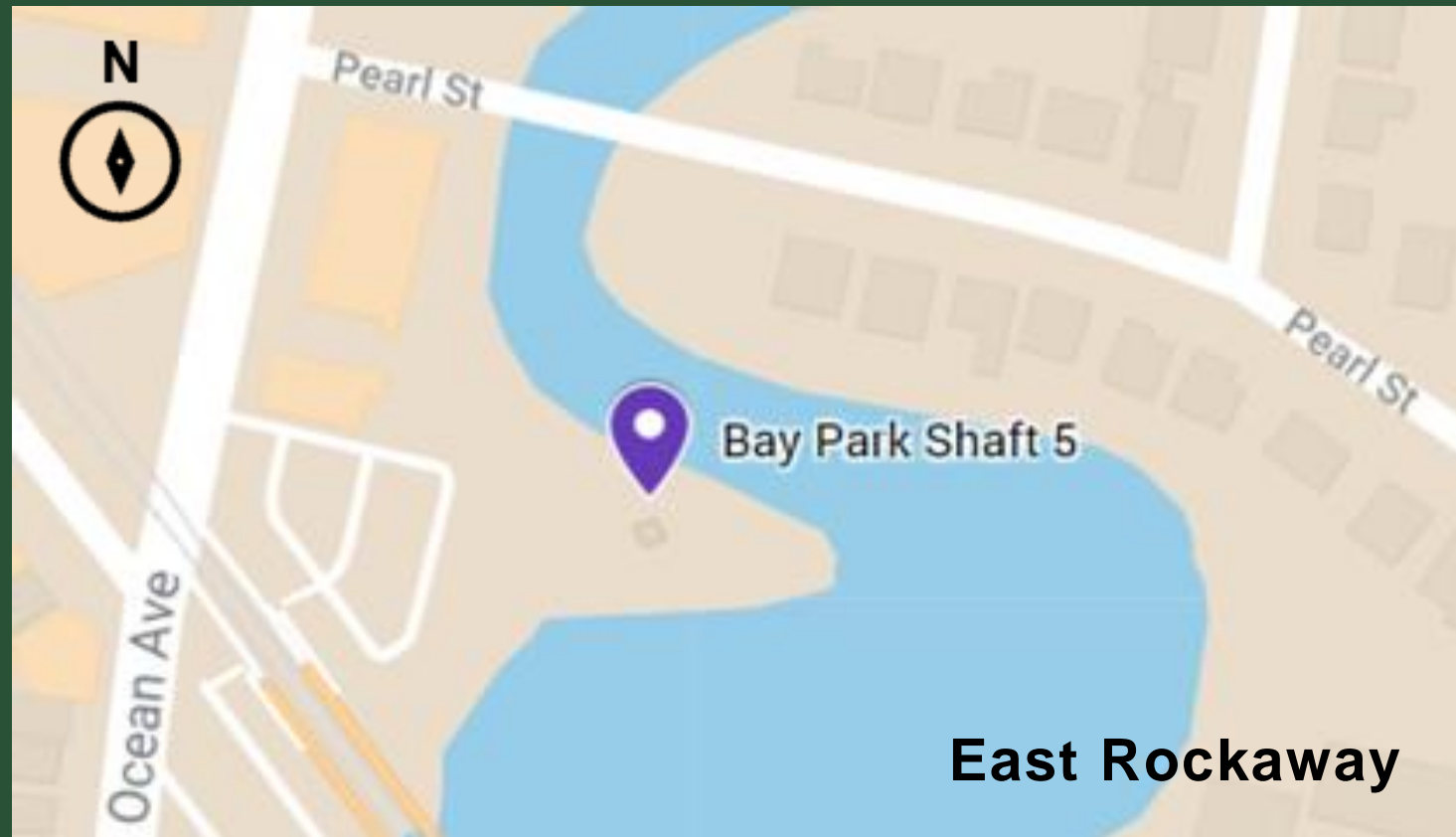
BP4: Private property off New Street in Oceanside



BP3 Restoration Activities (February 2023)

BAY PARK SHAFT 5 (BP5)

- Activities are underway at BP5 to prepare for microtunneling to Bay Park Shaft 7 in April.
- The Project's microtunnel boring machine, named MARSH-MELLOW, will microtunnel 24-hours a day, 7 days a week.
- Oxbow Park will remain closed.
- The public will notice pipe storage at Oxbow Park parking lot until approx. June 2023.



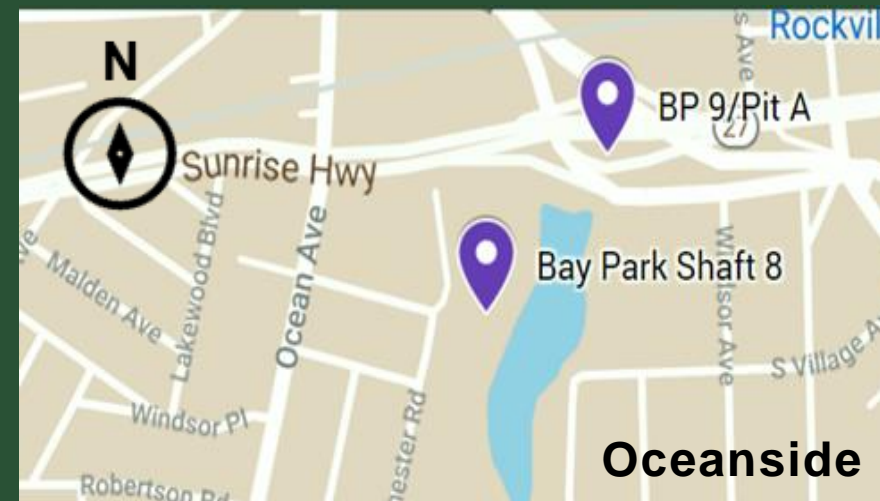
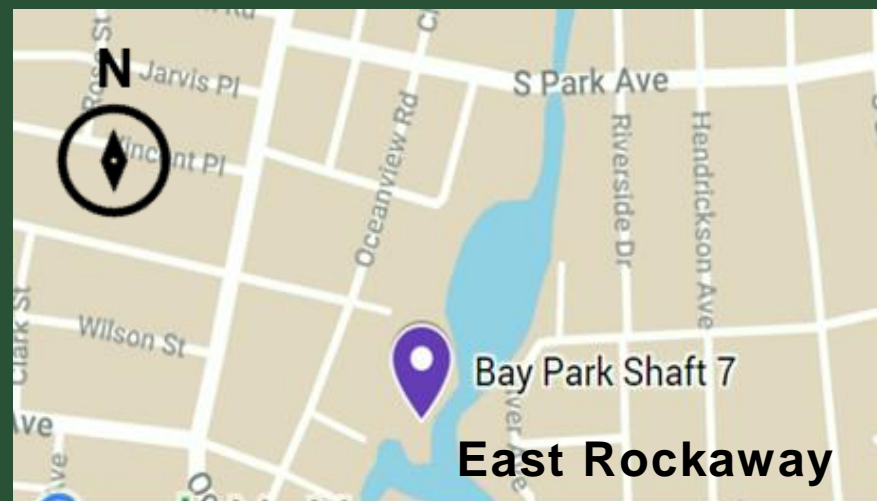
Location: East Rockaway Oxbow Park off Ocean Avenue near the East Rockaway LIRR Station



Pipe Storage near BP5 (February 2023)

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

- Crews are constructing a reinforced concrete liner wall at BP7 to prepare the shaft to receive MARSH-MELLOW.
- Crews will continue to use the BP7 and BP8 sites for storage/laydown purposes.



Locations:

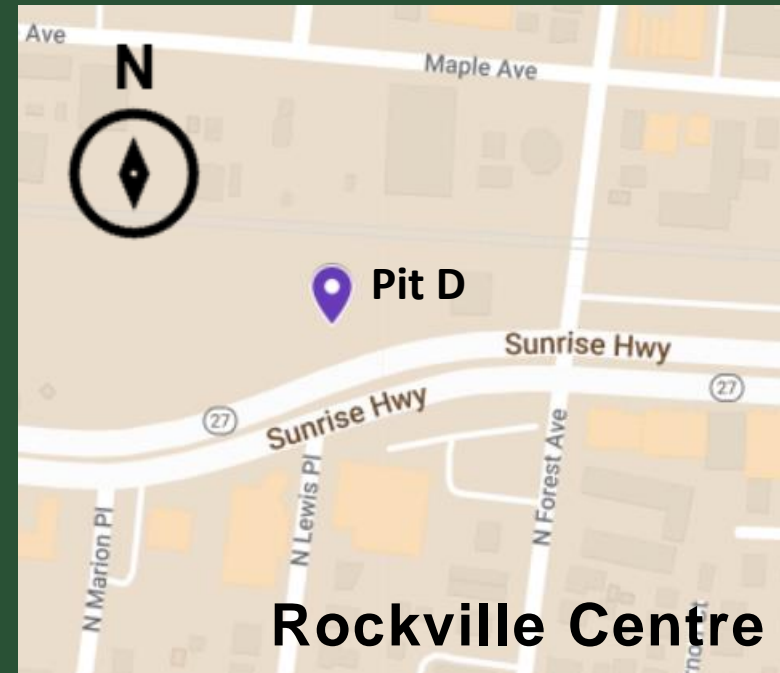
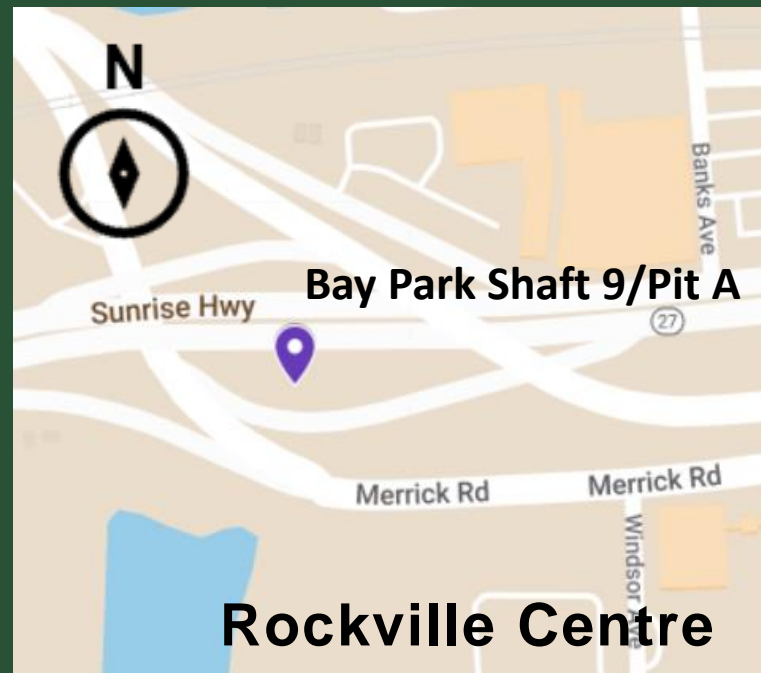
BP7: Rockville Centre Department of Public Works Yard off Mill River Avenue

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



Storage and Laydown at BP8 (February 2023)

BAY PARK SHAFT 9/PIT A AND PIT D



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.

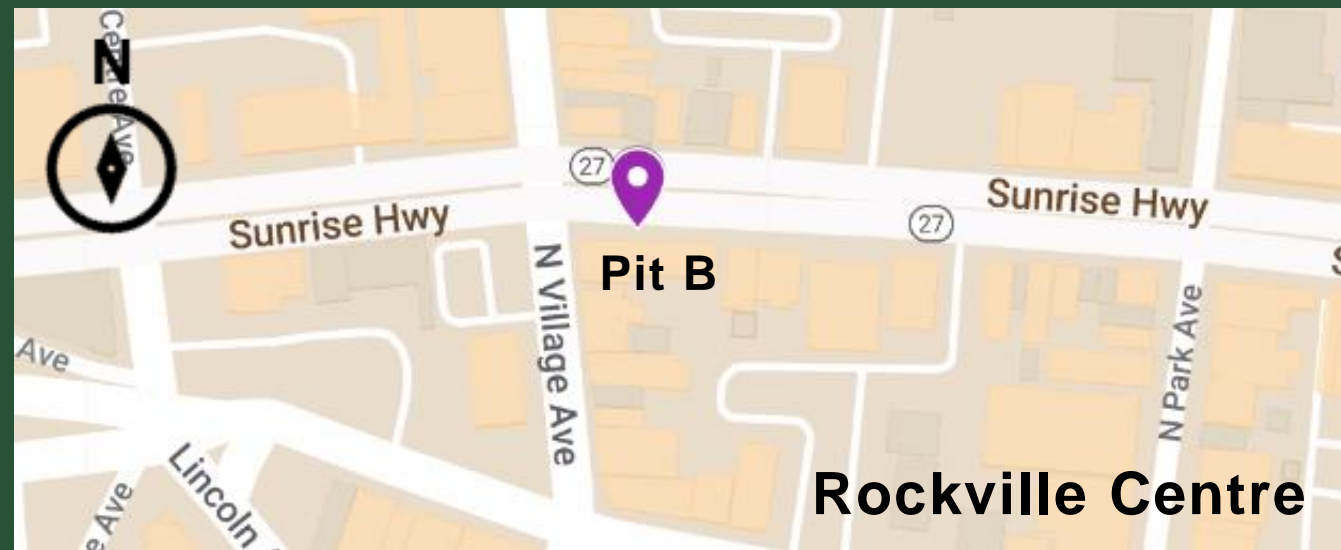
- In April, crews will install pipe sections connecting the Bay Park microtunneling pipeline at BP9 to the Sunrise Highway sliplining pipeline at Pit A.
- Eastbound lane on the Merrick Road exit ramp on Sunrise Highway will have intermittent road closures.
- The site of Pit D will continue to be used for storage/laydown of materials.
- 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.



Construction Site at BP9 (January 2023)

SUNRISE HWY PIT B

- Sliplining is complete at Pit B.
- Installation of a manhole at the pit is complete.
- Preparations are underway for temporary pit closure and restoration.

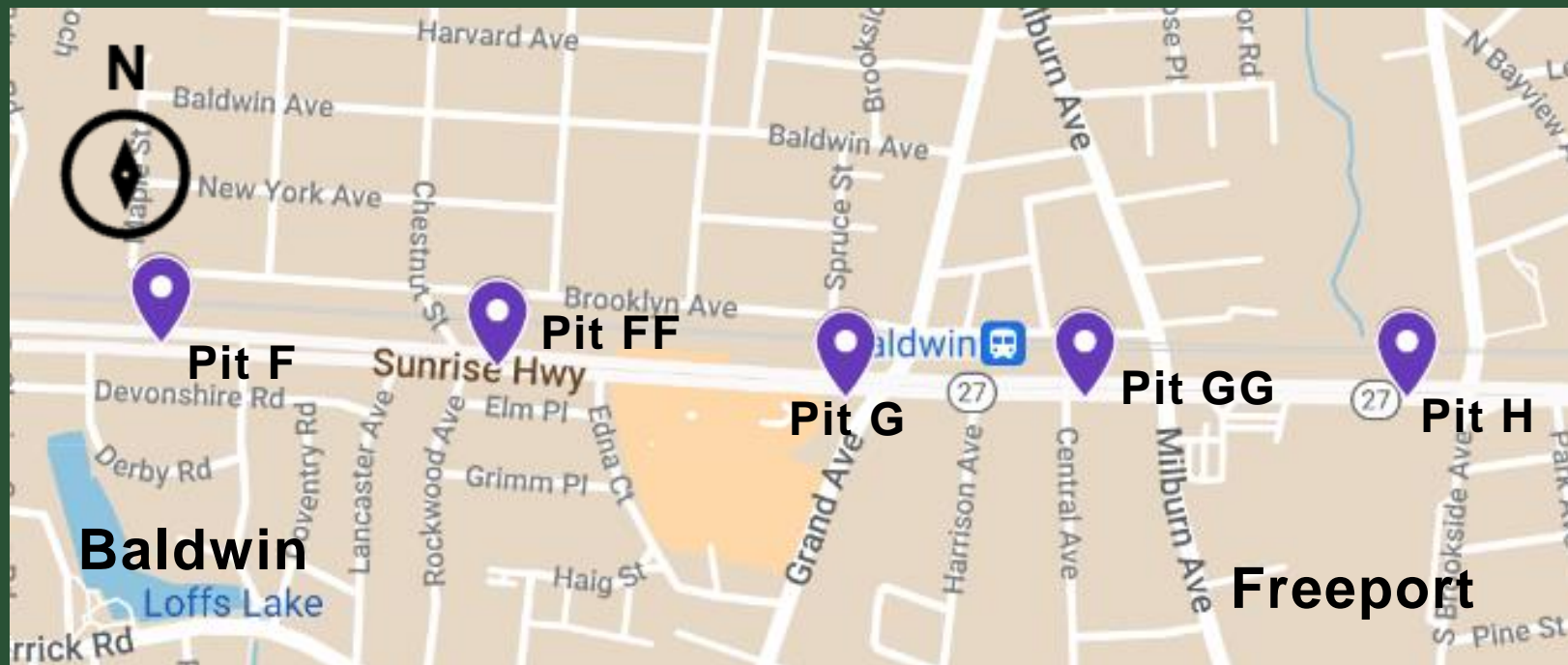


Location: South side of Sunrise Highway
between N. Village Avenue and N. Park Avenue



Pit B location on Sunrise Highway in Rockville Centre (January 2023)

SUNRISE HWY PITS F, FF, G, GG AND H



Locations:

Pit F: Southside of Sunrise Highway east of Derby Road

Pit FF: South side of Sunrise Highway between Rockwood Avenue and Edna Court

Pit G: South side of Sunrise Highway west of Central Avenue

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

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

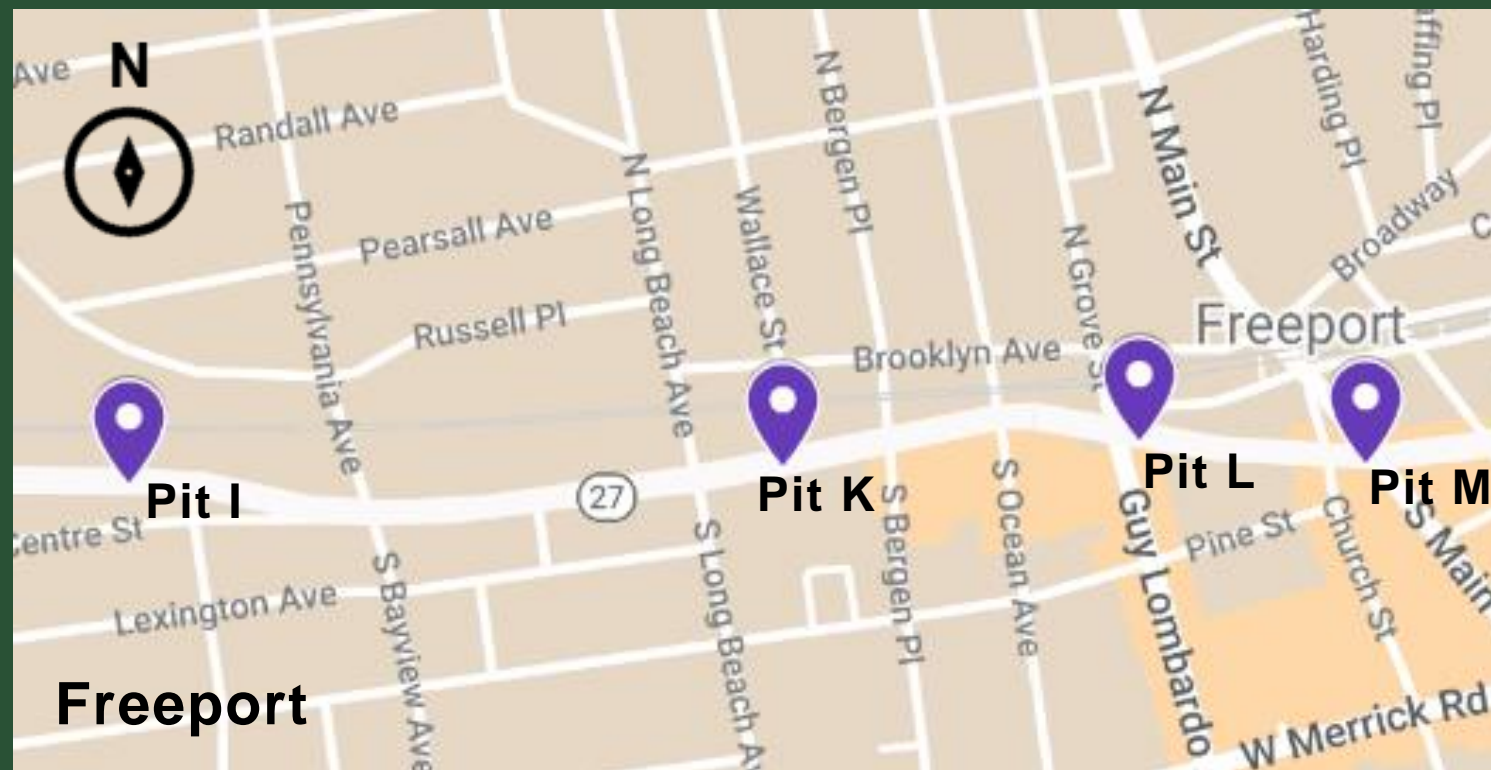
- Crews will install SOE at Pits F, FF and G. Pit excavation will follow.
- Installation of SOE can cause periods of noise and vibration that may be noticeable in the areas directly adjacent to the work site.
- Once the pits are constructed, sliplining will commence.
- Preparations are underway for restoration activities at Pit H.



Sunrise Highway in Freeport (January 2023)

SUNRISE HWY PITS I - M

- Sliplining and grouting activities are complete from Pit I to Pit M.
- Preparations are underway for restoration activities at these pits.



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

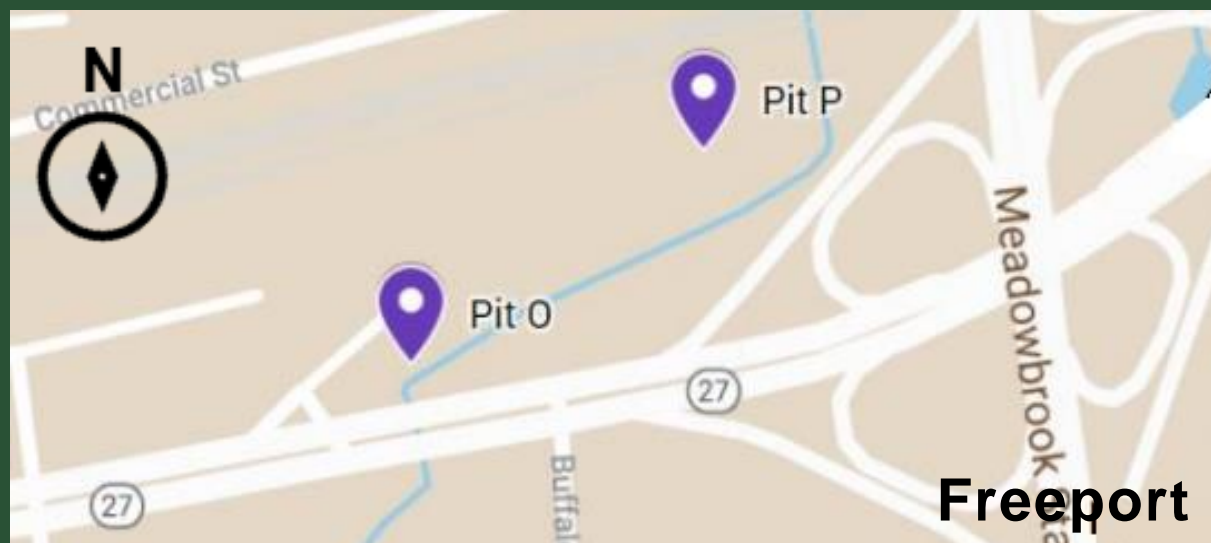
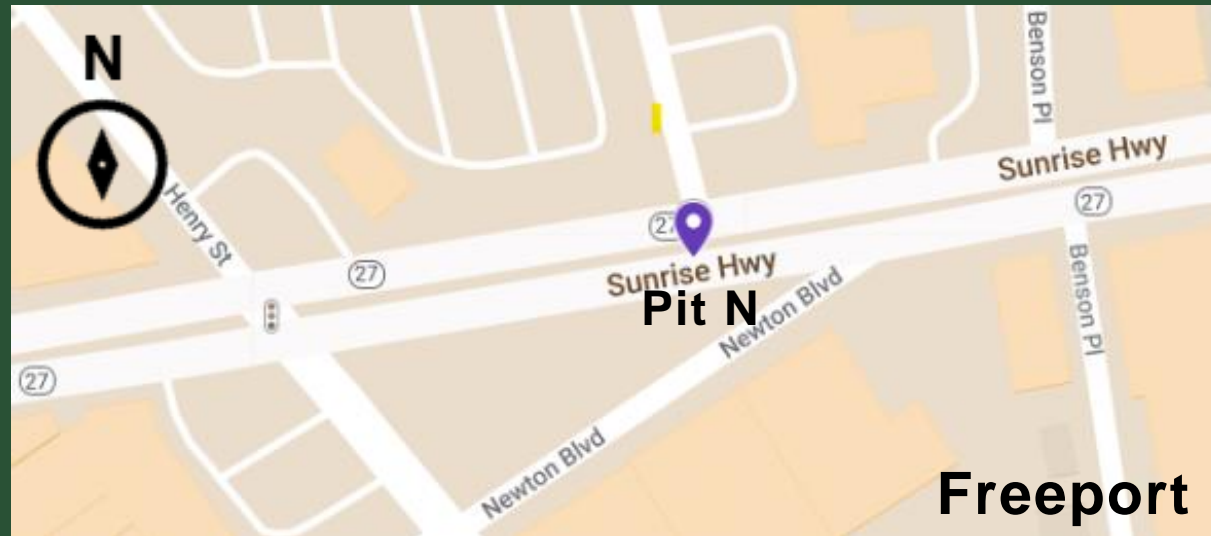
Pit M: South side of Sunrise Highway between Church Street and South Main Street



Inside the Conveyance Pipe near Pit I (February 2023)

SUNRISE HWY PITS N, O, AND P

- Sliplining is complete from Pit N to Pit W.
- Hydrostatic testing of the new pipeline is ongoing 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 west of Newton Boulevard

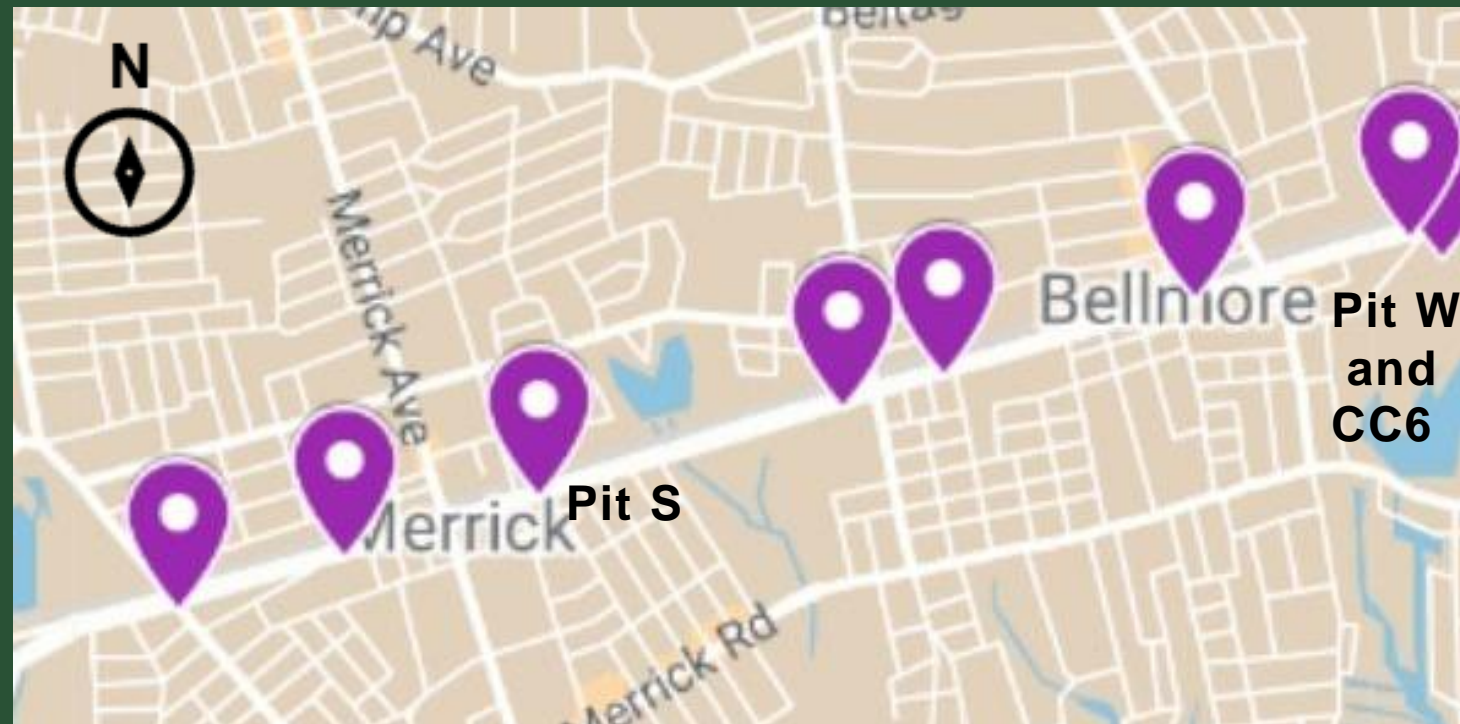
Pits O and P: North side of Sunrise Highway west of the Meadowbrook



Pit P Construction Site (January 2023)

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

- Installation of the manhole at Pit S is complete.
- 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.
- The Project's MTBM named P.O.S.E.I.D.O.N. completed microtunneling from Cedar Creek Shaft 5 to 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



SOE at CC6 (March 2023)

SUNRISE HWY

Temporary Roadway Restoration

- WBC temporarily restored 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, L, N, Q, R, T, U, and V.**
- Final roadway restoration will occur in 2023.



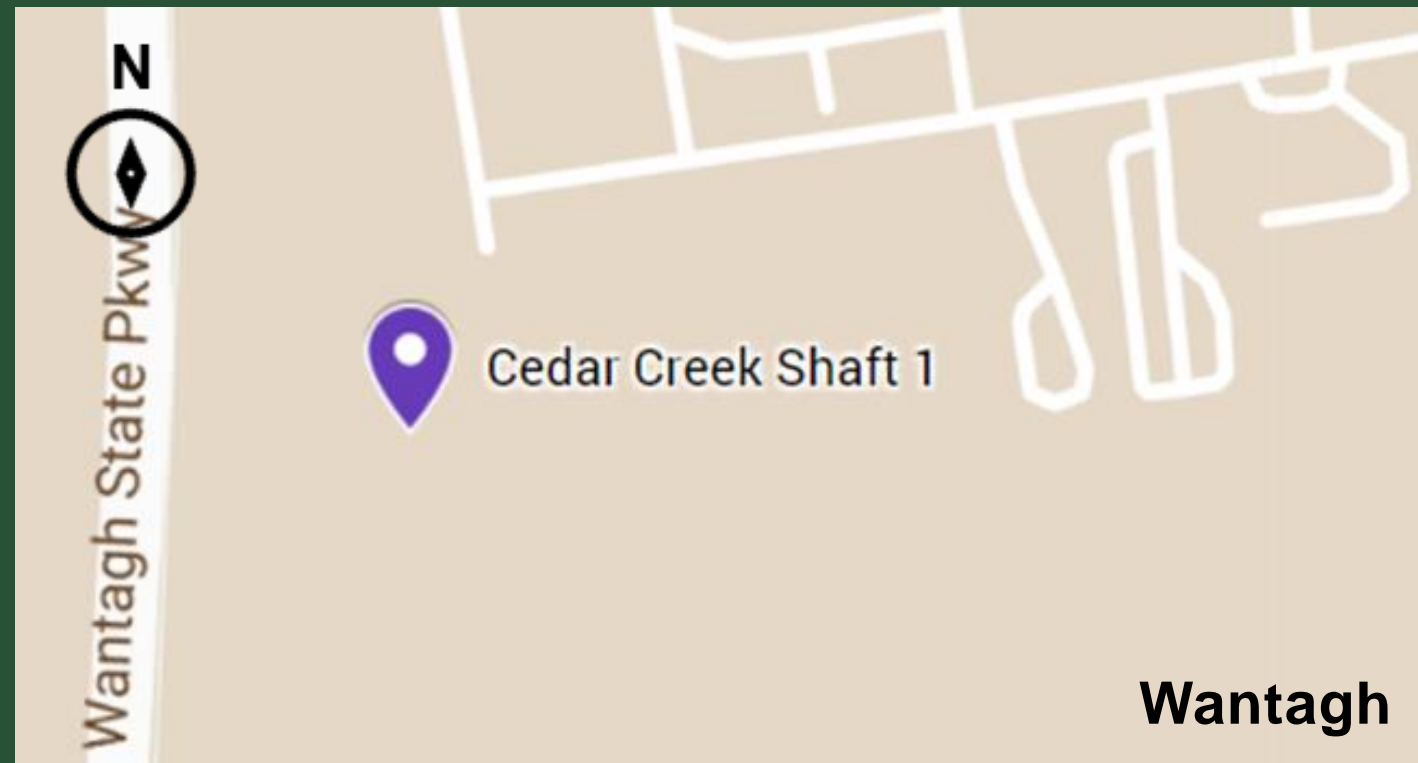
Pit T (January 2023)



Pit U (January 2023)

CEDAR CREEK SHAFT 1 (CC1)

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



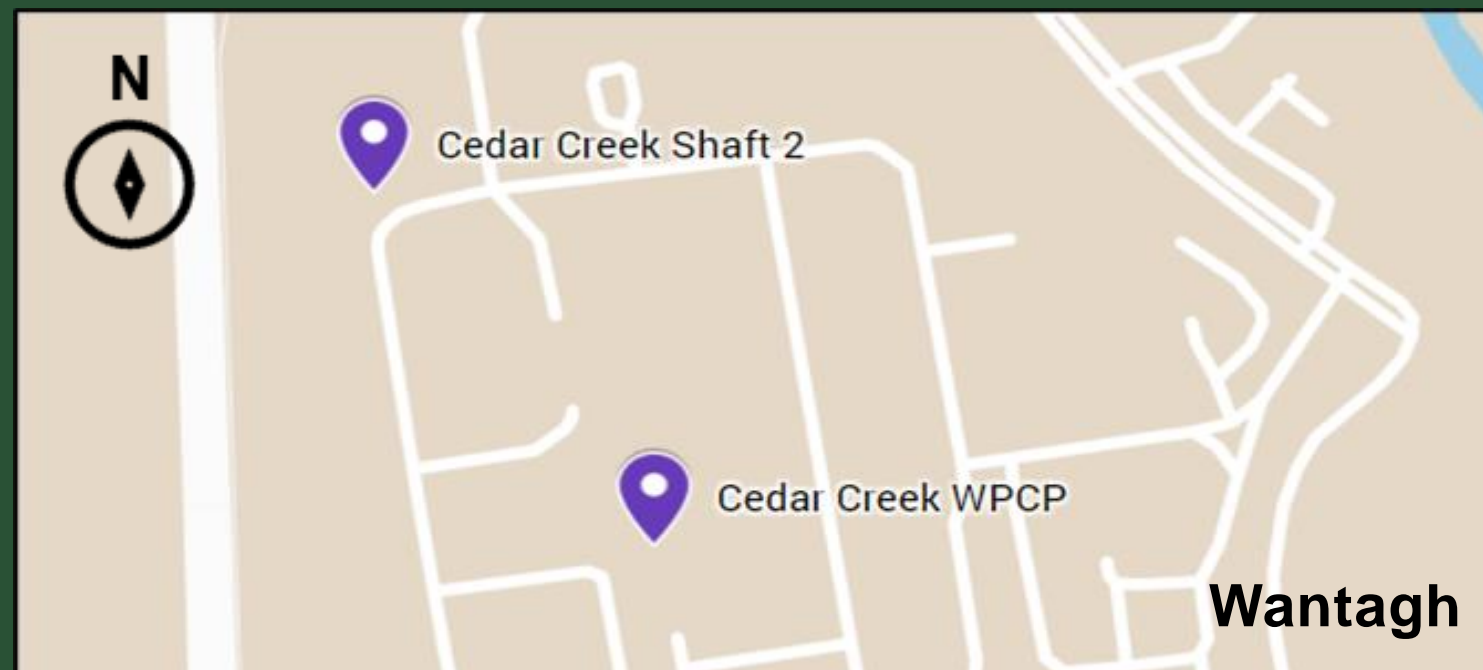
Location: Within footprint of the Cedar Creek WPCP



Activities near CC1 (February 2023)

CEDAR CREEK SHAFT 2 (CC2)

- Microtunneling is complete from CC2 to Cedar Creek Shaft 3.
- Annular grouting activities will continue throughout the month.
- A manhole will be installed at CC2.



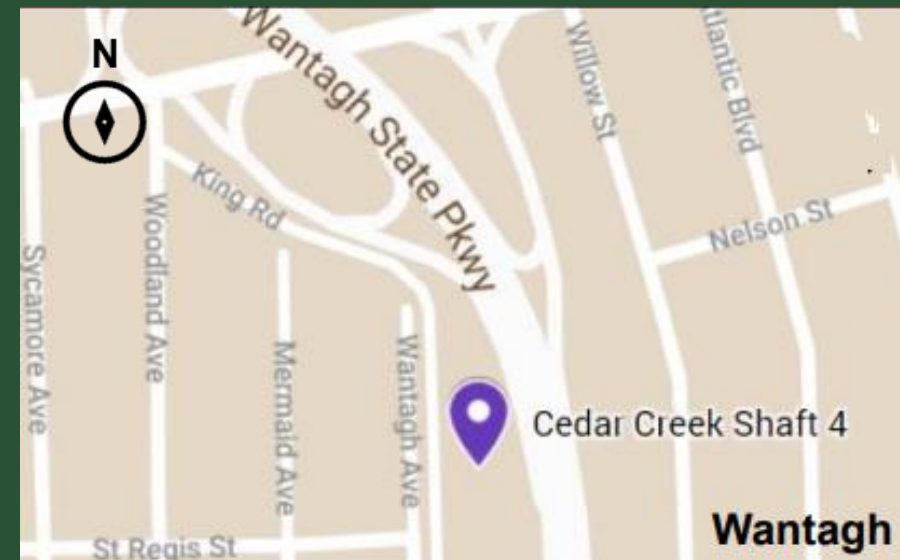
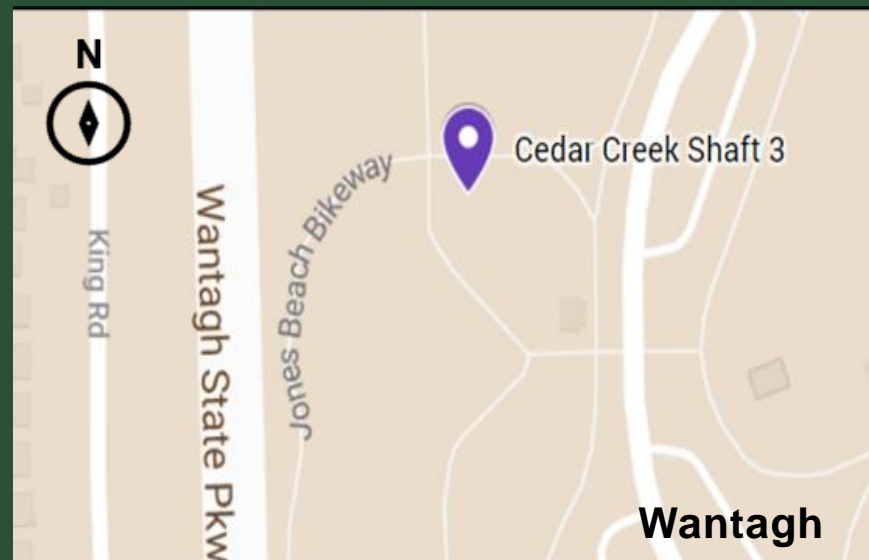
Location: Within the footprint of the Cedar Creek WPCP



Post Microtunneling Activities at CC2 (February 2023)

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

- Microtunneling from CC2 to CC3 is complete.
- The Jones Beach Bike Path will remain open to the public throughout construction.
- At CC4, equipment staging will begin to support 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 CC3 (February 2023)

CEDAR CREEK SHAFT 5 (CC5)

- Microtunneling from CC5 to CC6 is complete.
- MTBM recovery and grouting operations will take place in April.



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



Commencing Microtunneling from CC5 to CC6 (March 2023)

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:
 - Monday through Friday
 - Every other Saturday
 - Available to meet by appointment
 - Visit the Project website for 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

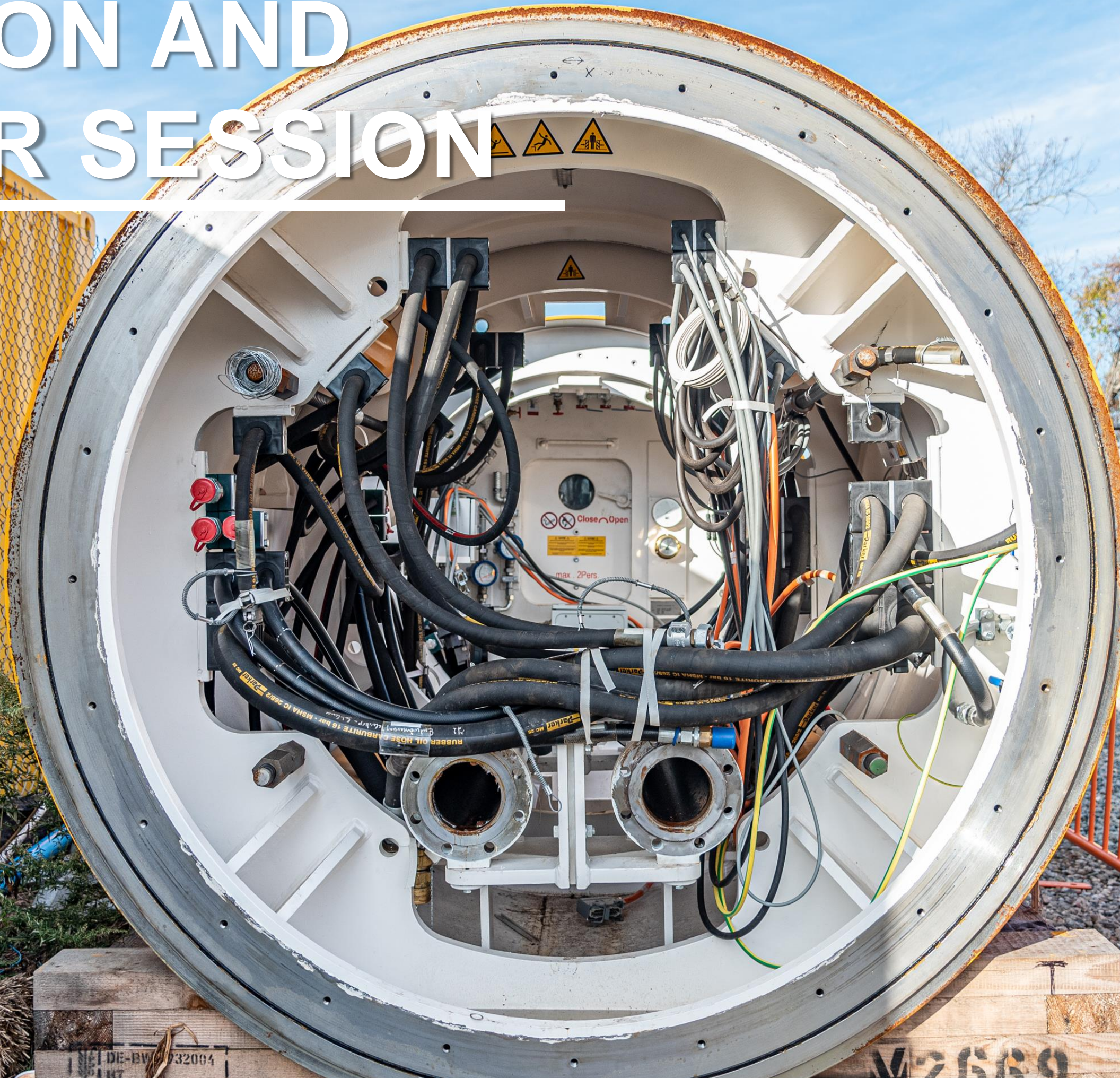
Rockville Centre, New York 11570

*See website for hours

Facebook

@BayParkConveyance

QUESTION AND ANSWER SESSION



DE-BW 732004

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THANK YOU!

 **The Bay Park
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