

Ontario Line

King-Bathurst Station Construction Liaison Committee

April 2024

 **METROLINX**



Agenda

Welcome (5 minutes)

- Introductions
- Land Acknowledgement
- Safety Moment
- Station Overview

Presentation (25 minutes)

- Construction Updates
- Community Engagement
- We Are Here For You

Feedback and Discussion (30 minutes)



Land Acknowledgment

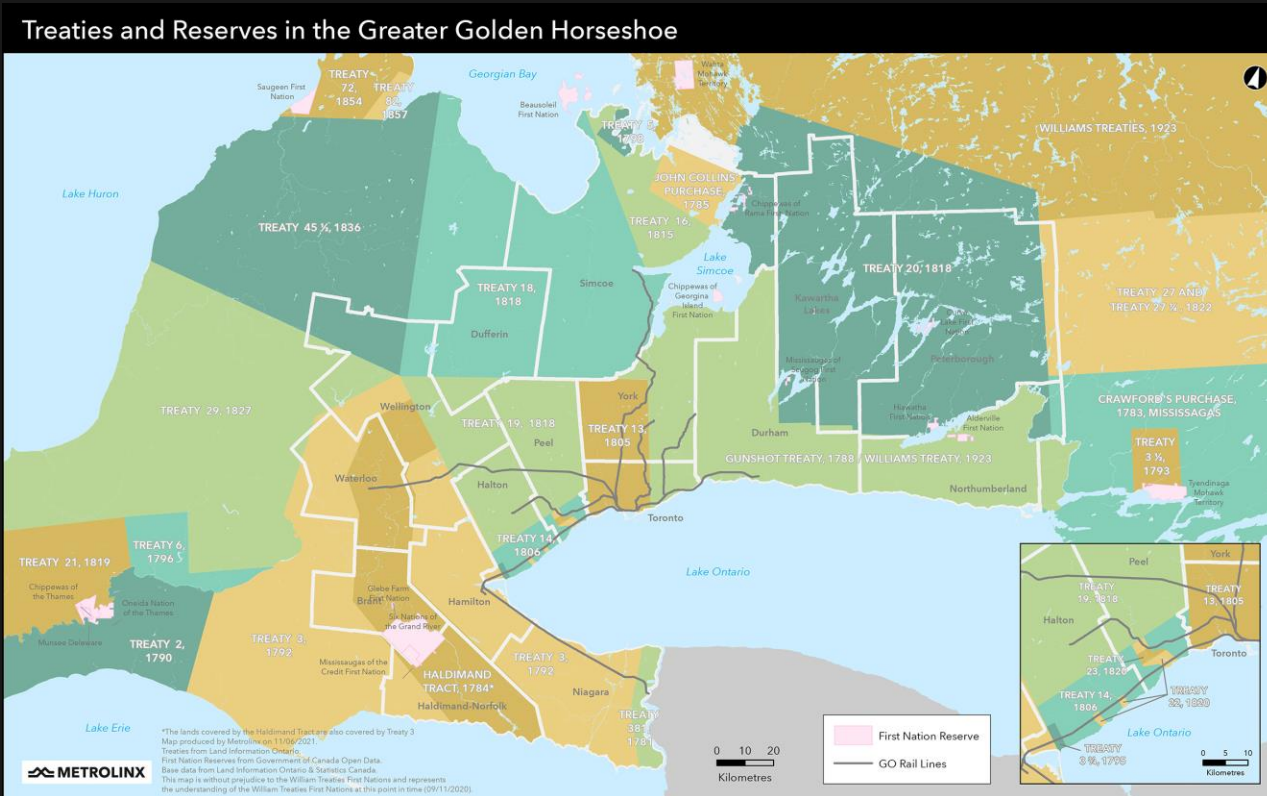
Let us take a moment to acknowledge we are on lands that have been, and continue to be, home to many Indigenous Peoples including the Anishnabeg, the Haudenosaunee and the Huron-Wendat peoples.

We are all Treaty people. Many of us have come here as settlers, as immigrants or involuntarily as part of the trans-Atlantic slave trade, in this generation, or generations past.

We acknowledge the historic and continued impacts of colonization and the need to work towards meaningful reconciliation with the original caretakers of this land.

We acknowledge that Metrolinx operates on territories and lands covered by many treaties that affirm and value the rights of Indigenous communities, Nations and Peoples.

We understand the importance of working towards reconciliation with the original caretakers of this land. At Metrolinx, we will conduct business in a manner that is built on a foundation of trust, respect and collaboration.



1

SAFETY MOMENT - SPRING FLOODING AWARENESS

Spring is here, bringing warmer temperatures and new opportunities for recreational activities. However, it's essential to be mindful of safety near water during this season.

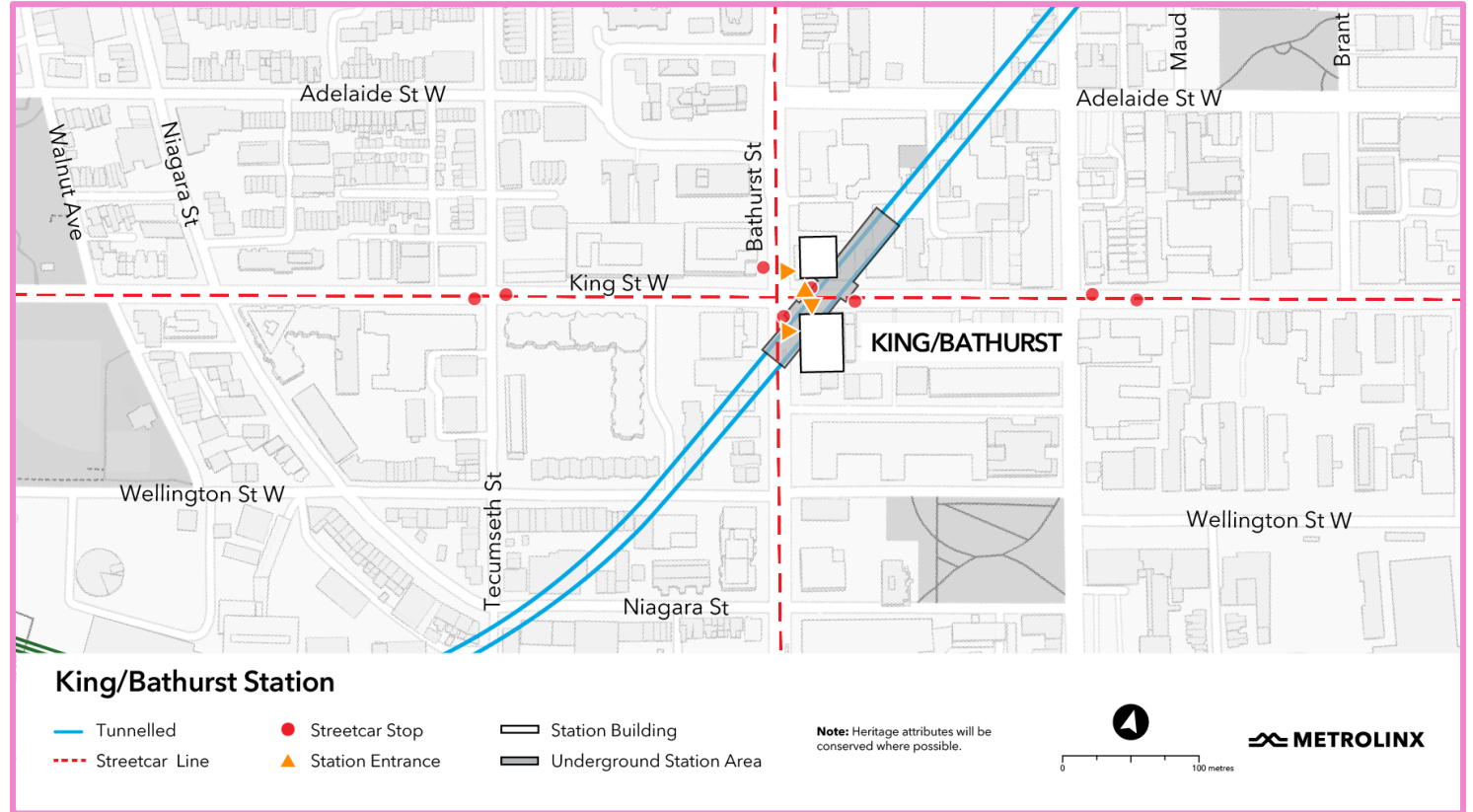
- **Riverbanks:** In spring, riverbanks can become slippery and unstable due to rain, high water levels and erosion. Keep your family and pets away from the surfaces and edges of all bodies of water to prevent accidents.
- **Bodies of Water:** Avoid activities in or around bodies of water, especially near ice-covered rivers and streams. If you're traveling north of the GTHA, do not attempt to walk or drive on ice-covered water.
- **Remember that melting snow in the north**, combined with spring rainfall and frozen ground conditions, could lead to higher and faster flowing water in watercourses. Stay clear to keep safe!



2

KING-BATHURST STATION

- **Two entrances will be built on the east side of Bathurst Street**, one on the north side of King Street West, and one on the south side of King Street West.
- At the north entrance, the buildings have been demolished and the heritage features stored off-site until completion of the station, when they will be rebuilt.
- At the south entrance, part of the heritage façade will remain in place for the duration of the station. Two additional buildings required for the station will be demolished.
- Both entrances include an opportunity integrated development above.

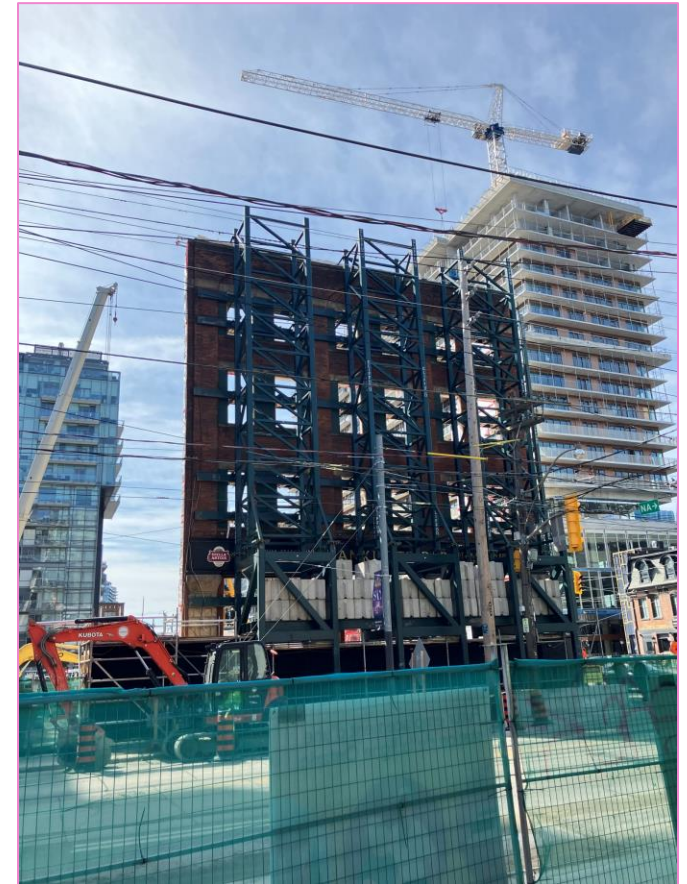


Construction Update

3

COMPLETED WORKS: PRESERVATION AND HERITAGE RETENTION AT KING-BATHURST

- The future King-Bathurst Station site has seen a great deal of activity to ensure heritage structures are preserved, in advance of current piling and excavation.
- At the north site and the south sites, large portions of both buildings have been demolished and panelized, to ensure components can be removed safely.
- Retention walls are also in place, to ensure the remaining heritage walls are in place and secure on site, as excavations occur.
- These heritage elements will be reassembled and integrated into the future station site as work progresses.

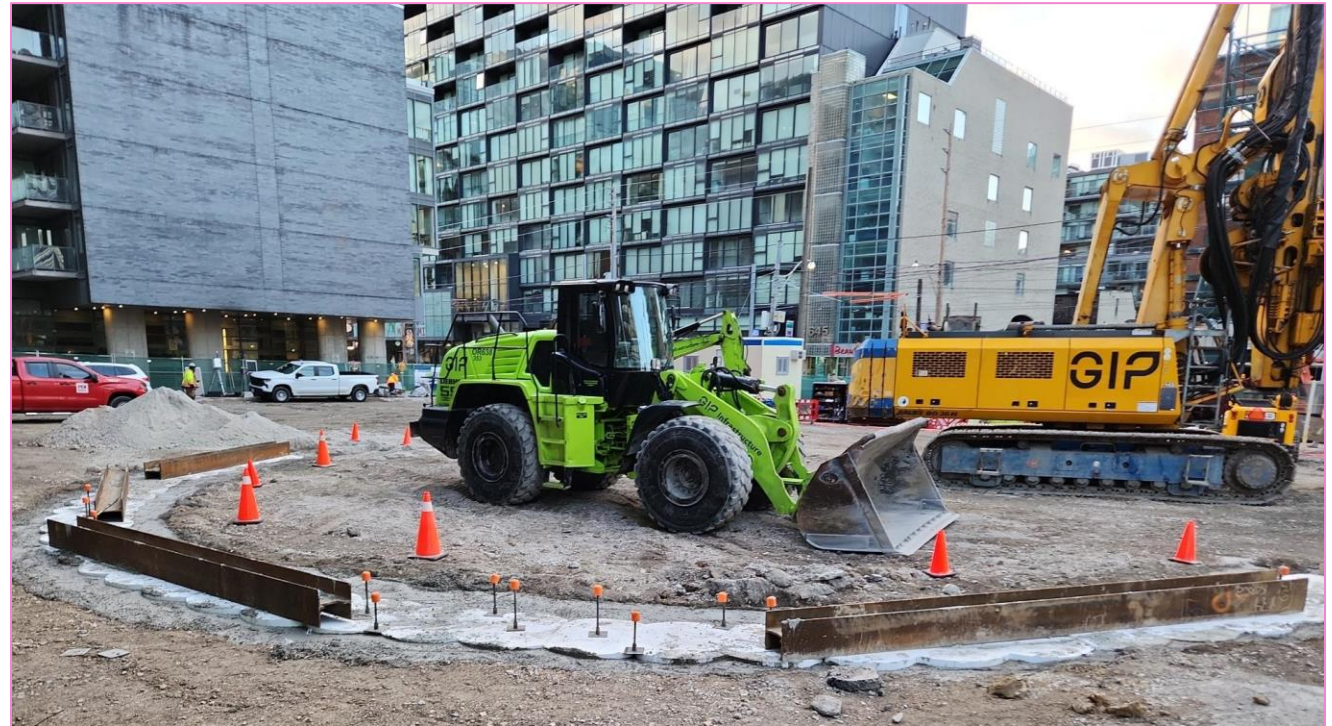


Retention walls securing heritage elements of the future station

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COMPLETED WORKS TO DATE: UTILITIES, EARTHWORKS AND MONITORING

- Installation of geotechnical instrumentation and monitoring points along the King-Bathurst intersection is now complete. These installations ensure existing underground utilities are accounted for, or moved, in advance of excavation.
- Support of excavation works as well as compaction and backfill on site has been completed, allowing crews to move forward with piling on north and south sites. These practices ensure the ground is returned to grade and provides secure foundation for execution efforts.
- Crews have updated the overall site layout, by removing pedestrian tunnels installing long term hoarding, as well as opening full lane access on King Street West and Bathurst Street.



Support of excavation at King-Bathurst.

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CURRENT WORKS: PILE DRILLING

- Pile drilling is now underway at King-Bathurst, with one pile drilling rig on the north site, and two on the south. Equipment has been delivered to both sites as of the week of April 1st.
- This is a technique used to construct underground structural support systems, ensuring stability for the surrounding infrastructures during the construction of stations, until the permanent concrete structure is completed.
- Pile walls will be installed around the perimeter of the future station footprints. A pile wall consists of overlapping (secant) piles to form water-tight structural walls. Some of the piles are reinforced with steel beams. This activity is performed before excavation of the station shaft.
- A drilling machine will create holes of 10m and 14m in depth, at 1m in diameter, around the perimeter of the north and south sites, respectively, to install pile walls.

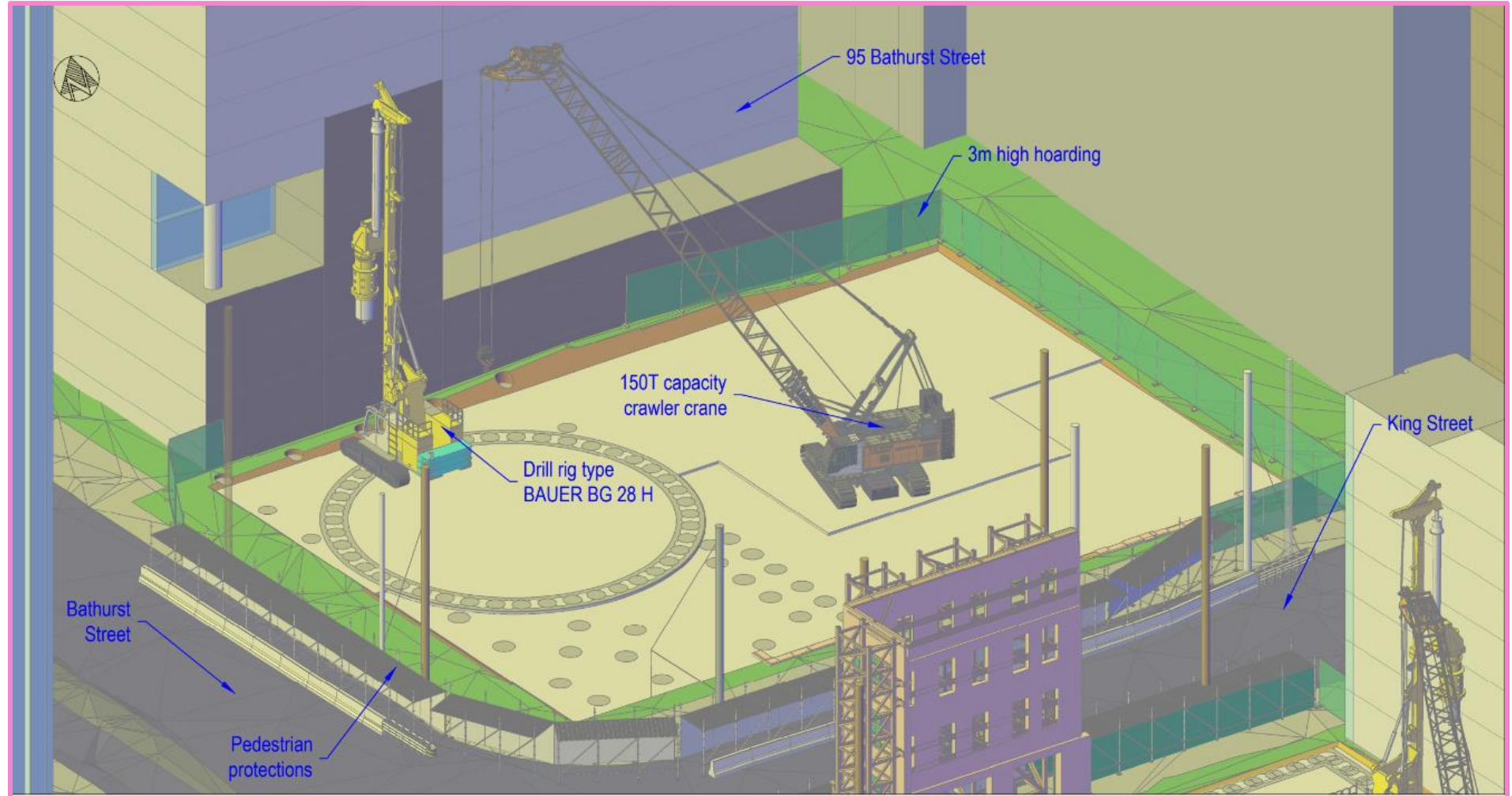


Pile drilling machine at King-Bathurst.

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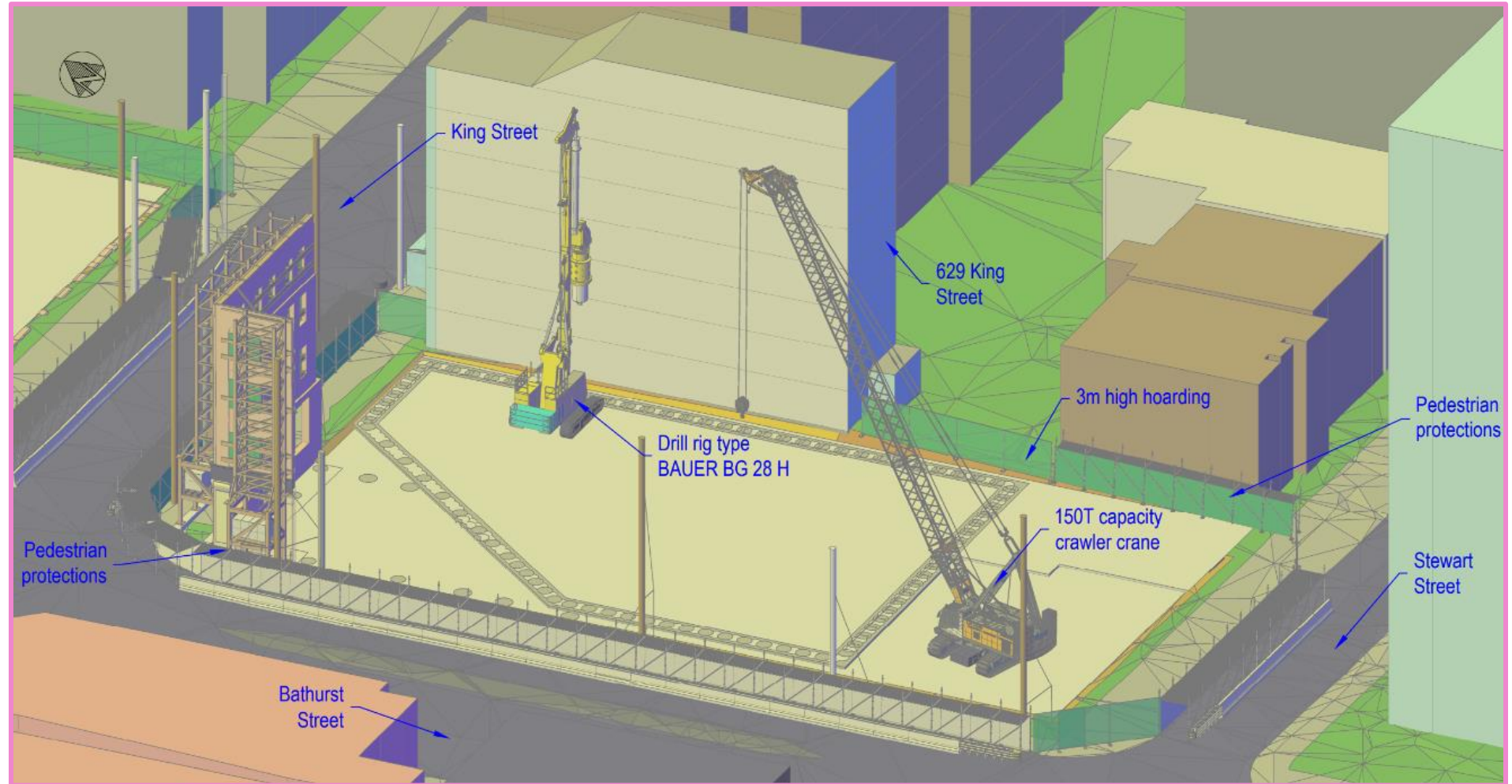
CURRENT WORKS: NORTH SITE PILE DRILLING & LAYOUT

- The diagram illustrates the mobile drill rigs in relation to the site layout and their size, now underway.
- The machines move around the site executing pile drilling in preparation for excavation.
- An acoustic barrier will be added to the sites, once piling is complete.



7 CURRENT WORKS: SOUTH SITE PILE DRILLING SITE SET-UP & LAYOUT

- The diagram illustrates the mobile drill rigs in relation to the site layout and their size.
- The machines will move around the site executing pile drilling in preparation for excavation.



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WHAT TO EXPECT IN THE COMMUNITY

During piling work, community members can expect:

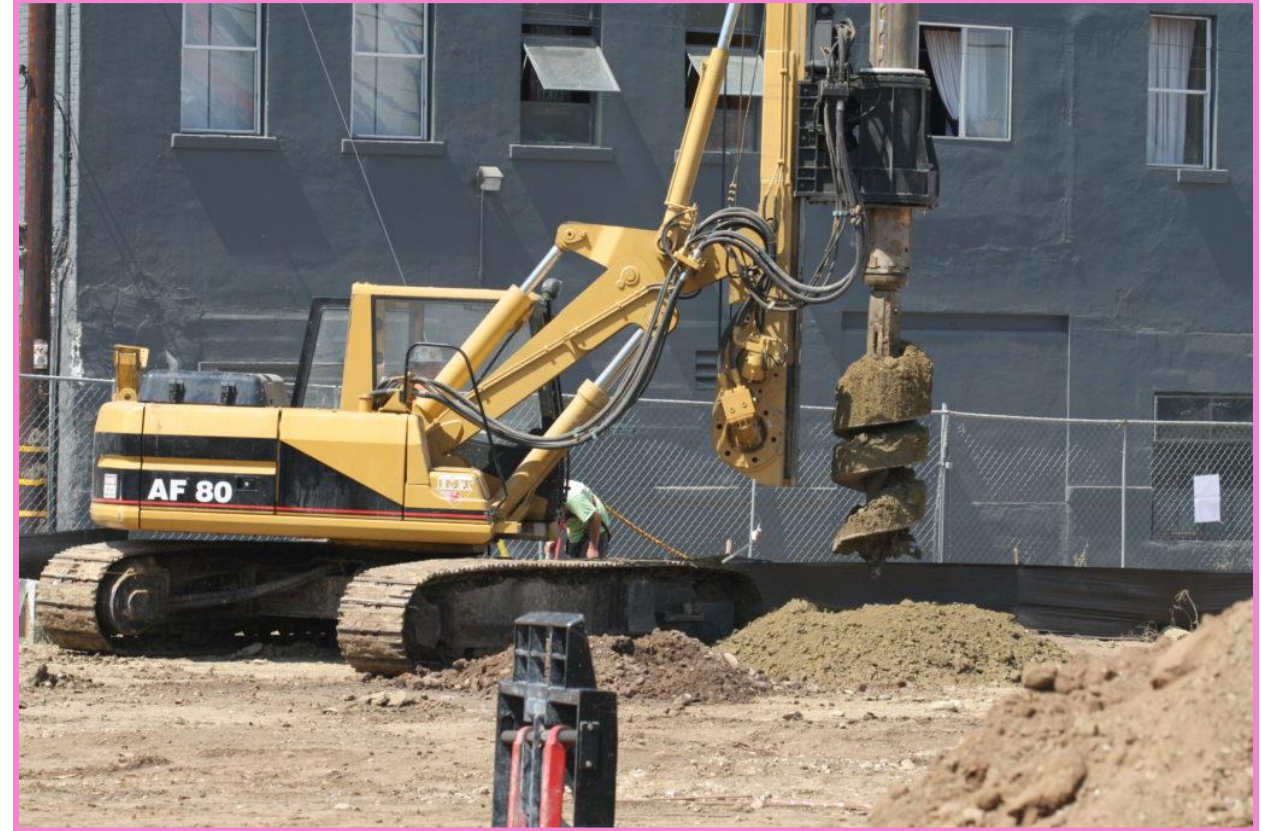
- Noise from equipment drilling piles, loading of excavated material, and deliveries of steel beams and concrete is expected.
- Equipment used during this operation includes drilling machines, cranes, excavators, concrete pumps, and concrete trucks on-site.
- Several trucks entering and leaving worksites daily, following a specified route.
- Lane closures and certified flagmen personnel in place to ensure safety for the community and workers on-site.



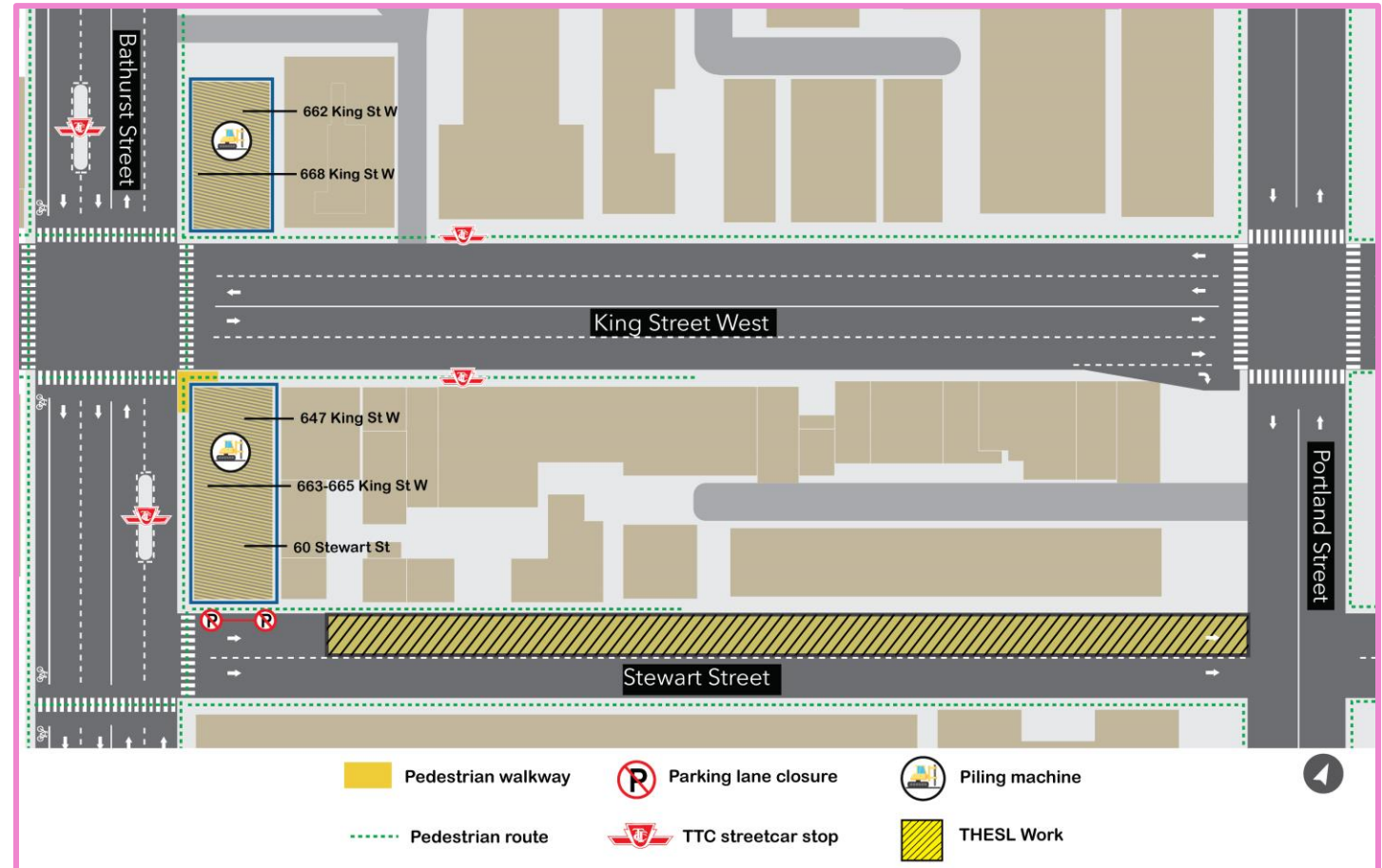
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PILE DRILLING SCHEDULE

- Piling works will be phased, beginning first at the future north site, followed by the south site.
- Expected hours of work are weekdays from 7 a.m. to 7 p.m.
- Work is underway and estimated to take place through, June 2024 .
- Weekend work may occur as needed; however, the community will be issued notice well in advance if this occurs.
- What's the fencing status for piling + fast fence + deliveries required?



- On Stewart Street, Toronto Hydro will be providing temporary power to both north and south sites, as existing utilities are moved underground. This will result in generators being installed to the south of the south site, to ensure safety and power.
- Concrete barriers have been removed from roadways adjacent to the sites, ensuring freedom of movement for vehicles and no lane restrictions. Pedestrian tunnels have also been removed, as the work sites have progressed and are no longer needed.
- Long term hoarding will be installed on the south and north sites this spring and early summer, which will be in place through 2029. This hoarding ensures safety and a cleaner aesthetic appearance for the neighbourhood.



To reduce impacts to residents and businesses in the area, mitigations will be in place including:

- Noise and vibration monitoring devices placed on site and in neighborhood for active tracking of impact to ambient noise levels.
- Site hoarding where possible to help reduce noise, including acoustic shelter installations (early summer), to ensure work crews and machinery are covered by a large-scale tent, protecting work areas during all seasons and limiting noise.
- Daytime work hours for current phase of work. (7 a.m. to 7 p.m.).
- Continuous loop truck routes, reducing need for trucks to reverse using backup alarms.
- Street sweepers and wheel cleaning as needed to ensure soil and sediment is kept off city streets and sidewalks.



12 KING-BATHURST STATION 2024 CONSTRUCTION LOOK AHEAD

Major construction milestones to propel the Ontario Line subway forward, at King-Bathurst.

Time	Activity	Details & Purpose
Spring	Piling	Piling work around the perimeter of the future station ensures structural support before heavy digging begins.
	Hoarding and Signage installed	Structures to define the long-term construction zone during tunnel and station works will be installed to assist with site safety, noise mitigation and site protection.
Spring/ Summer	Acoustic Barrier Tent	A tent structure to be installed over the excavation sites, to protect from noise and dust.
	Excavation	Soils will be excavated to create shafts from the street level to the station level 40m underground.
Fall/ Winter 2025	Station Site Entry Preparation	Excavation of the station cavern to connect the station shaft and the tunnels.

Community Engagement

Metrolinx will keep the community informed by providing Ontario Line updates and addressing questions and concerns effectively, and quickly.

Connect With Us:

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- Ontario Line e-newsletter: [Metrolinx.com/OntarioLine](https://metrolinx.com/OntarioLine)

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Départs in 14 minutes

- Osgoode
- Queen
- Moss Park
- Cork Town
- East Harbour
- Leaside
- Gerrard
- Pape
- Coakburn

Departs
Départ
4 min

King-Bathurst

Departs	18:20	18:30
18:20	18:20	18:30
18:30	18:30	18:40
18:40	18:40	18:50

King-Bathurst

King-Bathurst



KING-BATHURST