

East Brampton Watermains Contract 1

What we are doing and what to expect



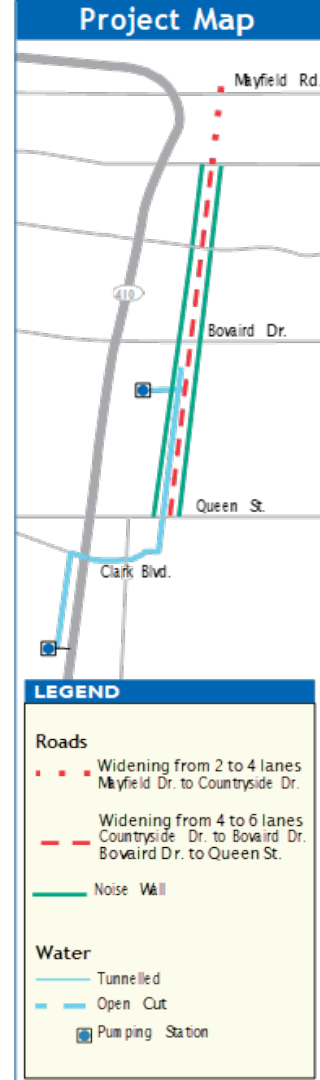
October 2024



Dixie Area water and road improvements

We are:

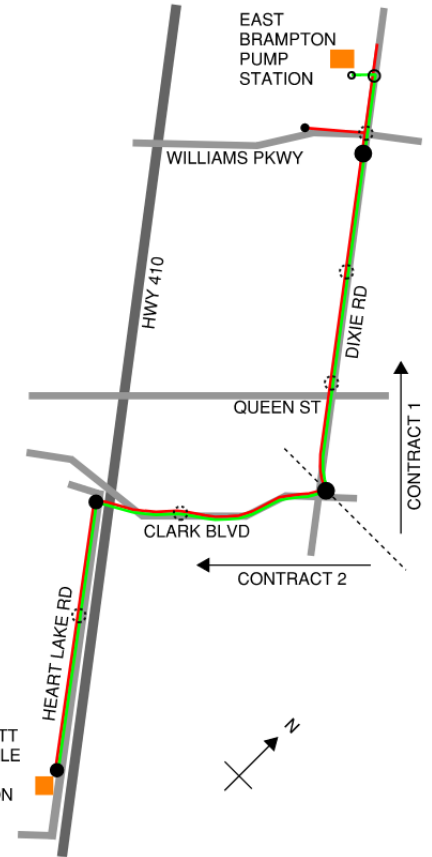
- **Installing new large watermains (this presentation)**
- Installing noise walls
- Improving the East Brampton Pumping Station
- Widening Dixie Road (including adding new multi-use trails)



East Brampton Watermain Project

Reason for this project:

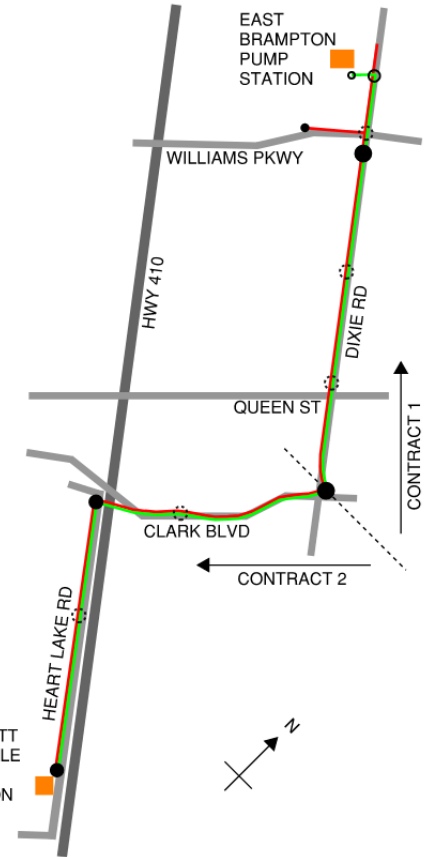
- Increase robustness of Peel's water system to support growth.
- Provide additional water supply into the area.
- Allow flexibility for inspections and repair of Peel's aging watermains.



East Brampton Watermain Project

What are we doing?

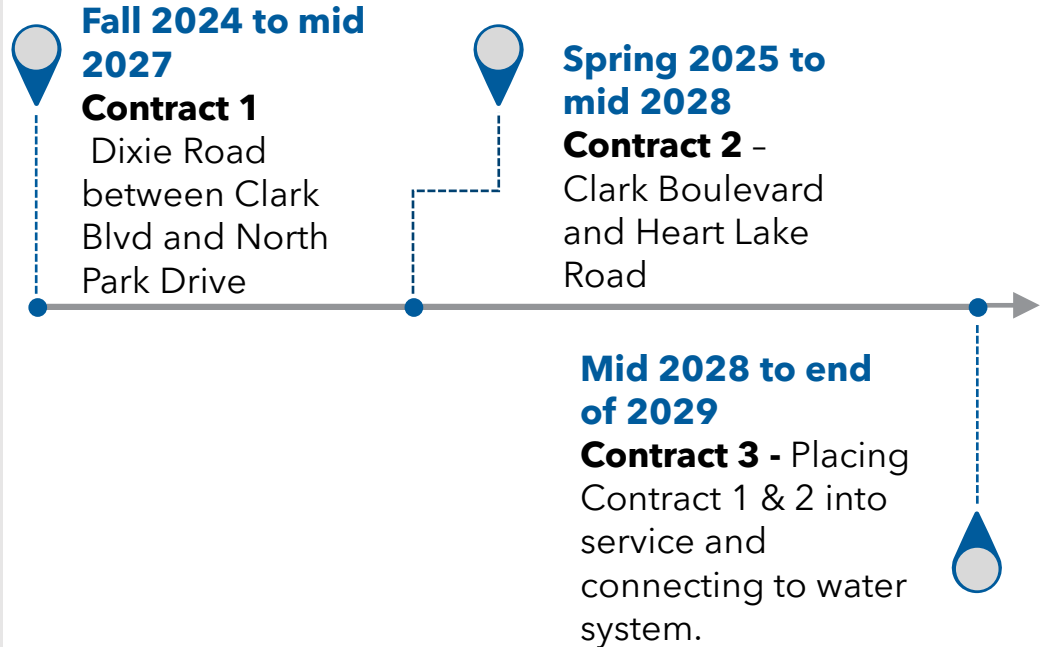
- We will be installing two watermains in parallel between the Beckett Sproule Pumping Station on Heart Lake Road and the East Brampton Pumping Station at 118 Nanport Road.
 - The first watermain is 1500mm (5 feet) in diameter.
 - The second watermain ranges between 900mm (3 feet) and 1200mm (4 feet) in diameter.



East Brampton Watermain Project

Contracts and timing

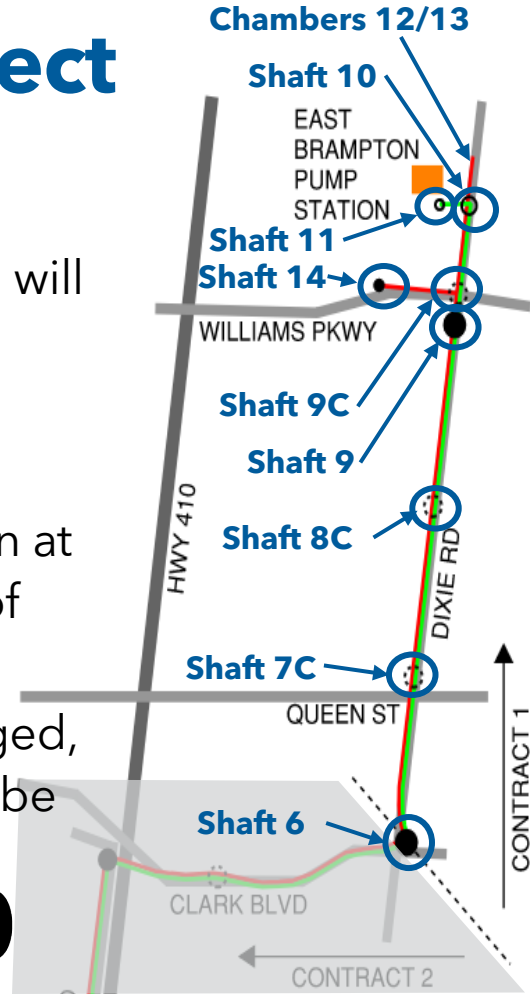
Work will be separated into three construction contracts



East Brampton Watermain Project

What to expect from Contract 1

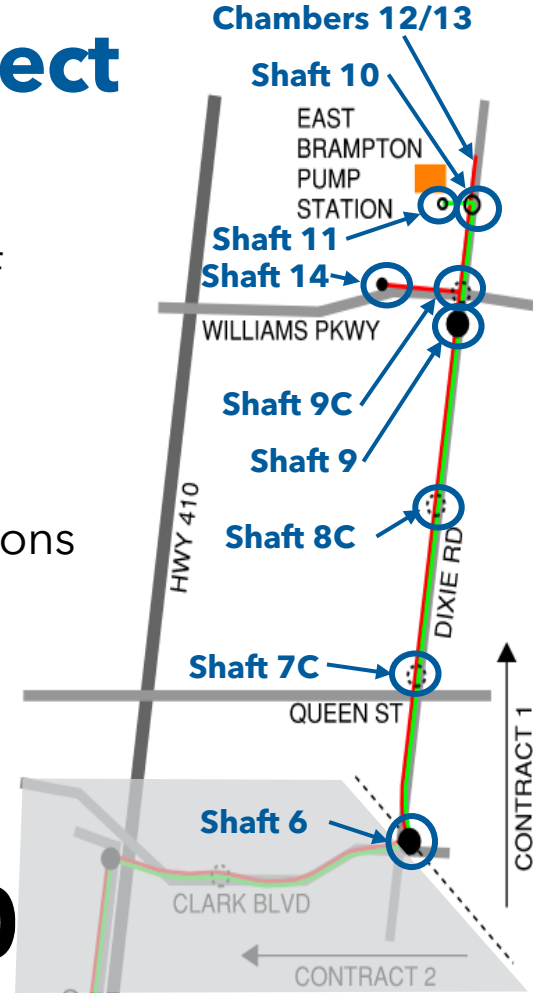
- The watermain will be installed mainly in tunnels, which will be accessed by temporary vertical shafts.
- You will see these tunnel shafts set up within our compounds at various locations along the route.
- There will be short sections of open trench construction at Queen Street, north of Howden Boulevard, and south of North Park Drive.
- When we are done, we will restore any areas we damaged, and we will plant new trees to replace any that need to be removed during construction.



East Brampton Watermain Project

Shafts and Traffic

- All tunnel shafts will be protected with a combination of fencing and/or large blue walls called hoarding.
- Some shaft locations will require lane closures on Dixie Road which will have an impact on traffic.
- We will have a Police Paid Duty Program near intersections to:
 - Maintain traffic control
 - Ensure overall safety



East Brampton Watermain Project

What construction might look like (tunnel shafts):

Construction fencing will be placed around tunnel construction compounds, designed to secure the site without obstructing traffic visibility.



East Brampton Watermain Project

What construction might look like (open trench):

Open trench construction will happen on Dixie Road, between Northampton Street and North Park Drive, in the wide boulevard before the road widening. Open trench construction will also be required in select locations along the tunnel alignment where connections to the existing water system will be made.



East Brampton Watermain Project

Minimizing impacts during construction:

- Our contractor will monitor noise and vibration levels both before and during construction to ensure that these are kept within acceptable levels.
- Any mud and dust created by construction will be controlled with street sweepers and water trucks.



Safety is a priority

Here are some of things we are doing to make our construction safe for both the community and workers.

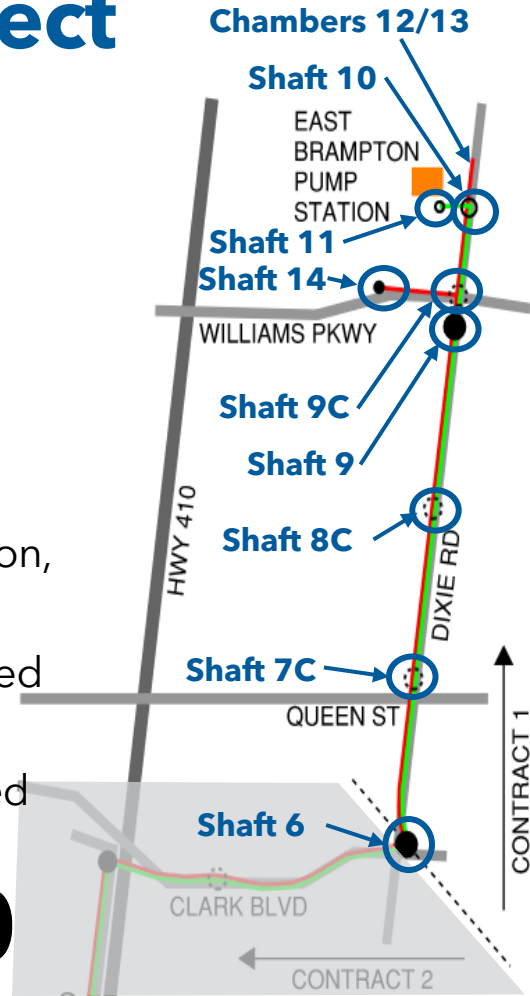
- All shaft sites will be fenced off.
- Signs will direct pedestrians and cyclists around closed sidewalks.
- Signs will direct motorists for lane closures or traffic restrictions.
- There will be exterior lighting outside the compound at Dixie Road and Clark Boulevard.
- Trucks will make right turns into and out of compounds only. Right hand in / right hand out.



East Brampton Watermain Project

Construction stages

- Initially you will see work at Shaft 6 at Clark Boulevard and Dixie Road.
- You will also see some additional holes being drilled in the area along Dixie Road to confirm information about the ground and utilities.
- Next you will see work at Shaft 9 which is south of Williams Parkway, Shaft 9C at the Dixie Road /Williams Parkway intersection, and Shaft 14 on Williams Parkway.
- We will provide regular email updates for those who have signed up with timing of key events and lane closures.
- Details on what to expect for the different shaft sites are outlined on the following slides.



How to stay updated



Sign up for email notices

Receive timely project updates right to your inbox by signing up for e-notices.

Visit: peelregion.ca/construction/signup or scan the QR code using your cell phone camera.



For more information:

Visit peelregion.ca/DixieArea for ongoing updates and more information

Call 905-791-7800, extension 4409

Email construction@peelregion.ca

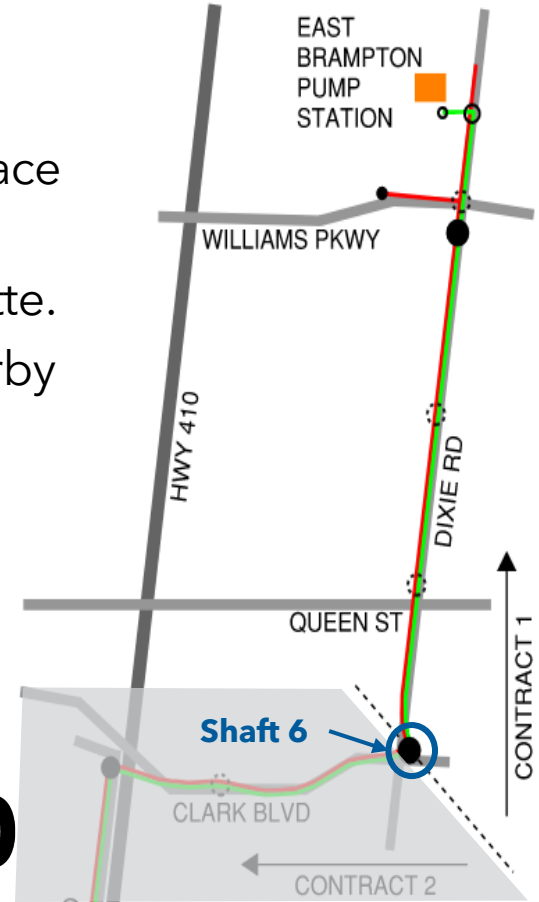
Follow Peel Public Works on X (formerly Twitter)
twitter.com/peelpublicworks for project updates

Shaft 6 - Dixie Road and Clark Boulevard

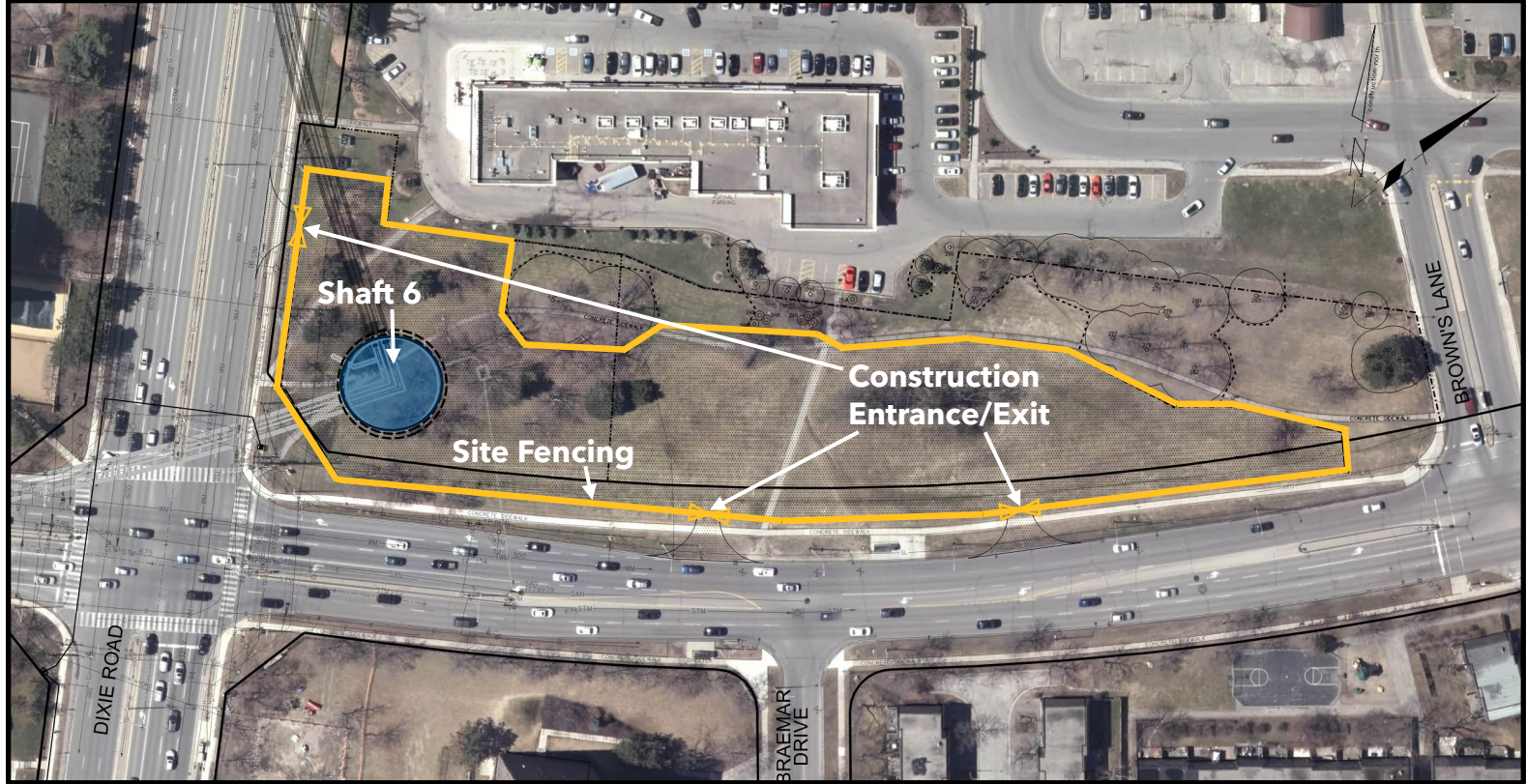


Shaft 6 - Dixie Road and Clark Boulevard

- Work will start in September 2024.
- This area will be the main staging site and will stay in place until end of Contract 2.
- Minimal traffic impacts as work will be within the parkette.
- Compound fence will help to reduce the noise for nearby residents.
- We will be monitoring for noise and vibrations.



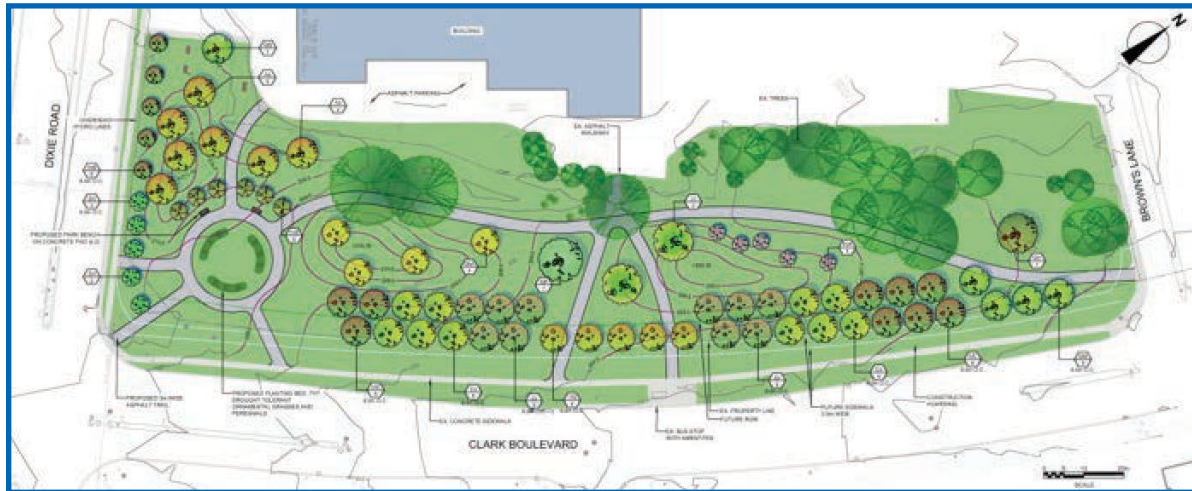
SHAFT 6 - Work compound



East Brampton Watermain Project

Parkette restoration plans

Once Contracts 1 & 2 are finished, we will landscape the parkette at Dixie Road and Clark Boulevard like the picture below.

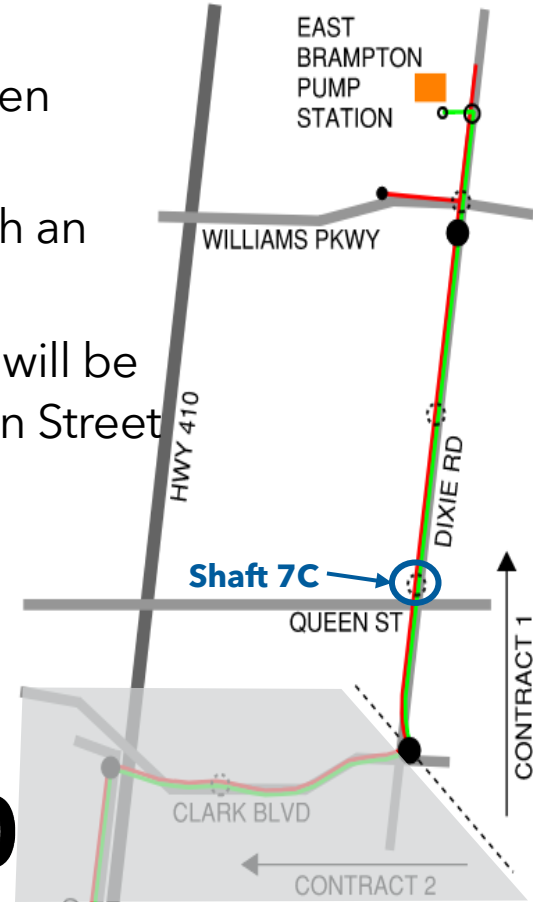


SHAFT 7C - Dixie Road and Queen Street

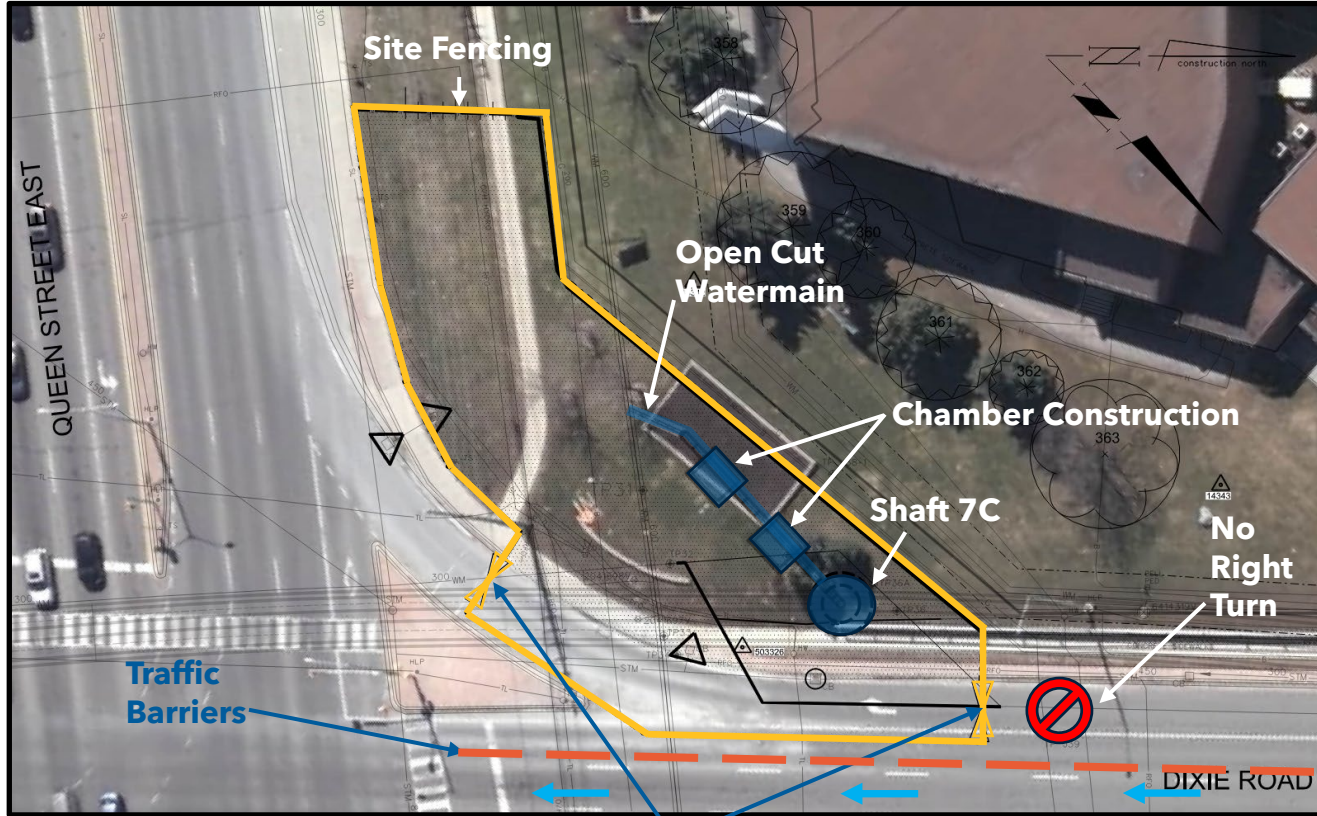


SHAFT 7C - Dixie Road and Queen Street

- Located at the northwest corner of Dixie Road and Queen Street.
- Construction is expected to occur early to mid 2025 with an anticipated duration of 6 months.
- Dixie Road southbound right turn lane to Queen Street will be blocked - there will be no right turn allowed onto Queen Street during this phase.
- There will be noise and vibration monitoring.
- The flower bed and retaining wall will be removed and replaced.

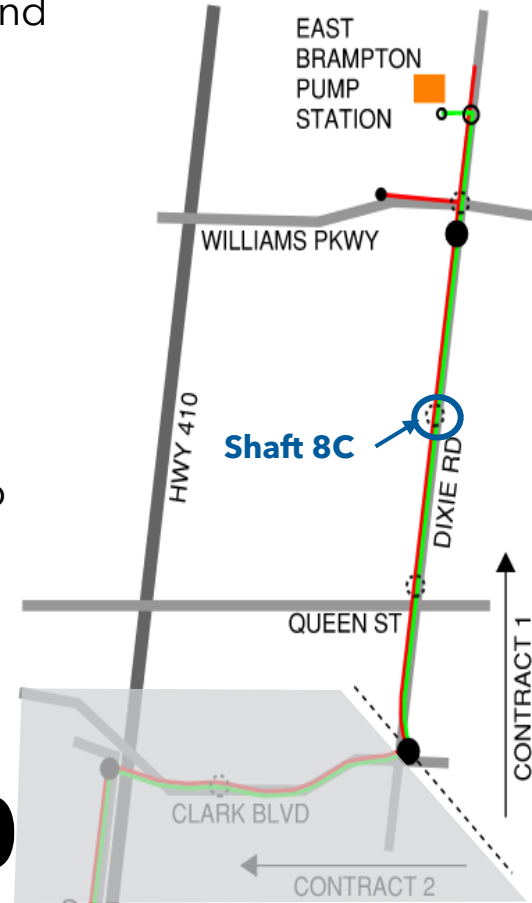


SHAFT 7C - Work compound and traffic impacts

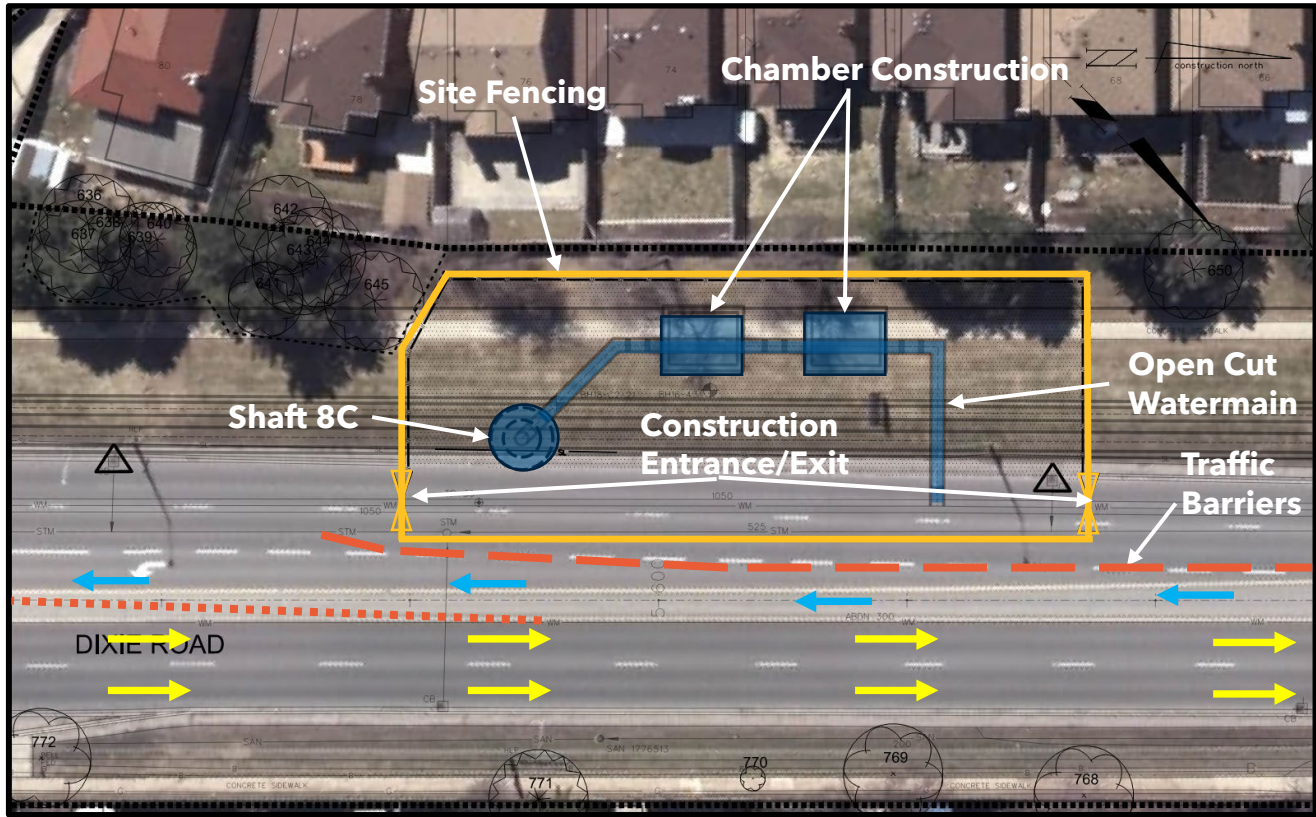


SHAFT 8C - Dixie Road north of Howden Boulevard

- Located on the west shoulder of Dixie Road and two southbound lanes.
- Construction is expected to occur approximately early to mid 2025 with an anticipated duration of 8 to 9 months.
- Lane reductions on Dixie Road, southbound traffic reduced to one lane.
- Noise walls have been recently installed.
- There will be noise and vibration monitoring.
- The bus stop may need to be relocated during construction to an area just outside of the construction limits.
- The sidewalk will be closed on west side of Dixie Road.
- Pedestrians will need to use Lord Simcoe Drive from Howden Boulevard to Lascelles Boulevard.

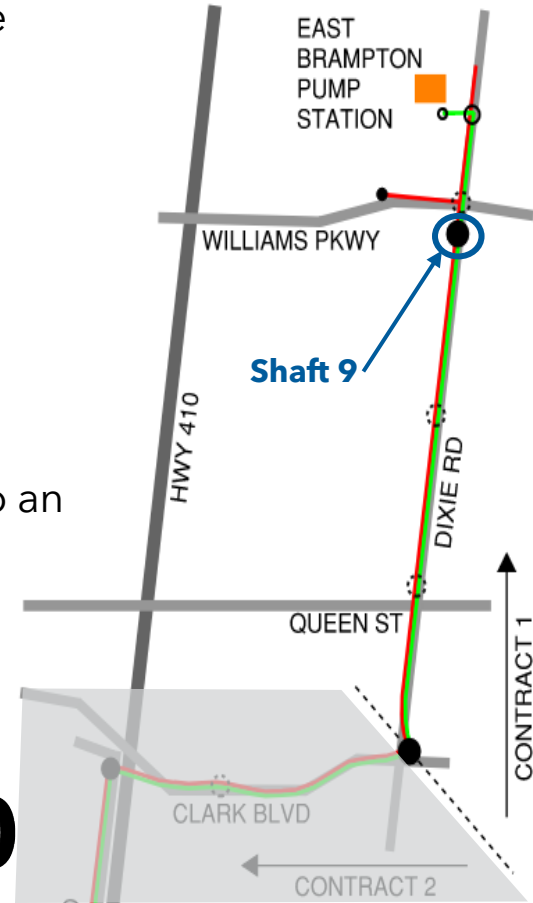


SHAFT 8C - Work compound and traffic impacts

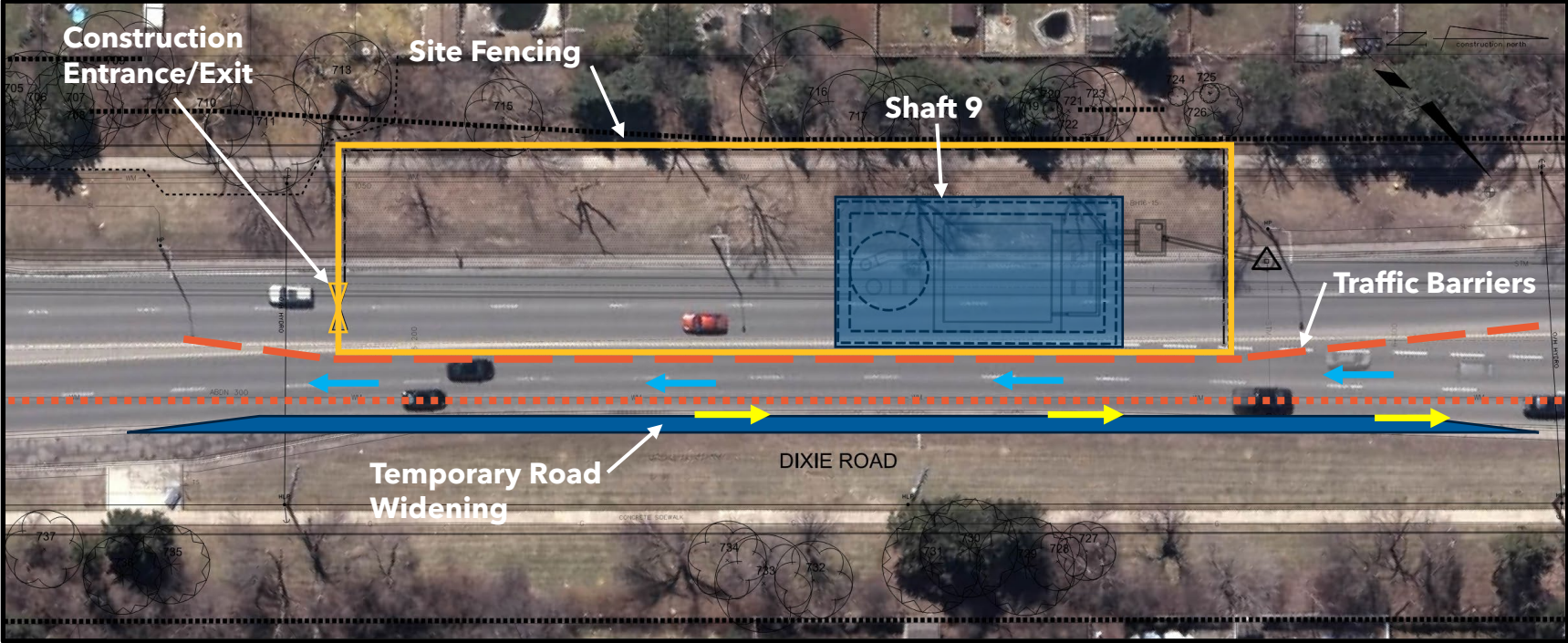


SHAFT 9 - Dixie Road south of Williams Parkway

- Located on west side of Dixie Road, on shoulder and within the southbound lanes of the road.
- Construction will take place in the fall 2024 to early 2027 for approximately 2 - 2.5 years
- Lane reductions on Dixie Road. Northbound and southbound lanes reduced to one lane with temporary road widening
- A noise wall was recently installed.
- There will be noise and vibration monitoring.
- The bus stop may need to be relocated during construction to an area just outside of the construction limits.
- The sidewalk will be closed on west side of Dixie Road.
- Pedestrians will need to use Leacrest Street from Lascelles Boulevard to Williams Parkway.



SHAFT 9 - Work compound and traffic impacts

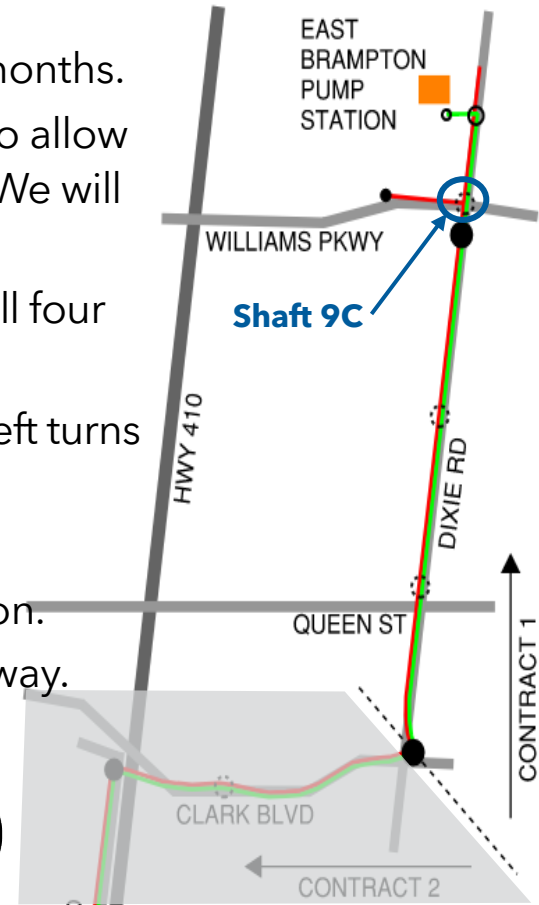


SHAFT 9C - Dixie Road and Williams Parkway



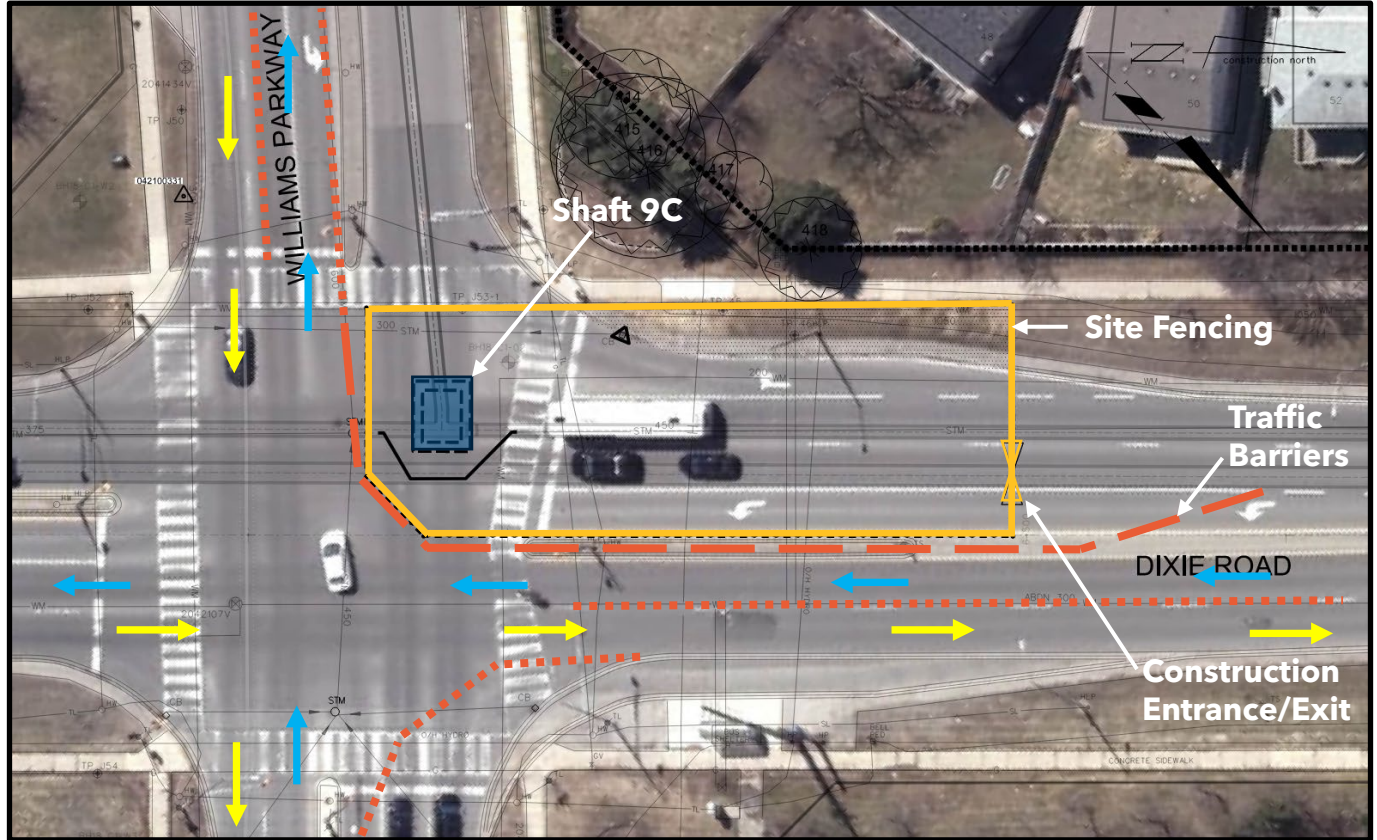
SHAFT 9C - Dixie Rd. and Williams Pkwy.

- Work will take place within northwest quadrant of intersection.
- Construction is planned to start fall 2024 for approximately 9 to 11 months.
- We may need to impact the intersection on two separate occasions to allow the City of Brampton's road work on Williams Parkway to go ahead. We will keep you informed.
- There will be lane reductions on Dixie Road and Williams Parkway - all four directions reduced to one lane.
- There will be temporary traffic lights and turns will be restricted. No left turns and no right turns northbound and southbound.
- There will be noise and vibration monitoring.
- The bus stop west of Dixie Road will be relocated during construction.
- Pedestrian crossing will be closed along north side of Williams Parkway.



SHAFT 9C - Work compound and traffic impacts

- One lane in each direction.
- Temporary traffic signals.
- No left turns.
- No right turns from Dixie Road.

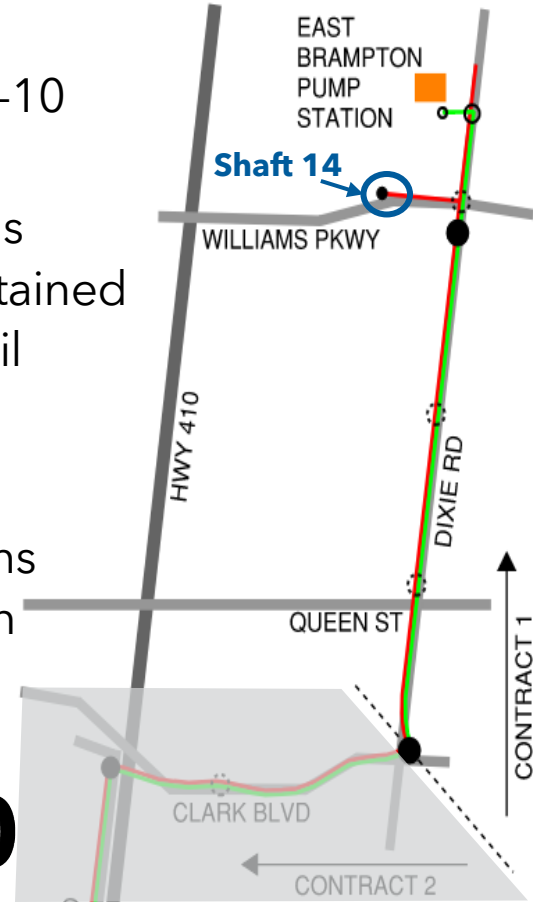


SHAFT 14 - Williams Parkway - Newcastle Park

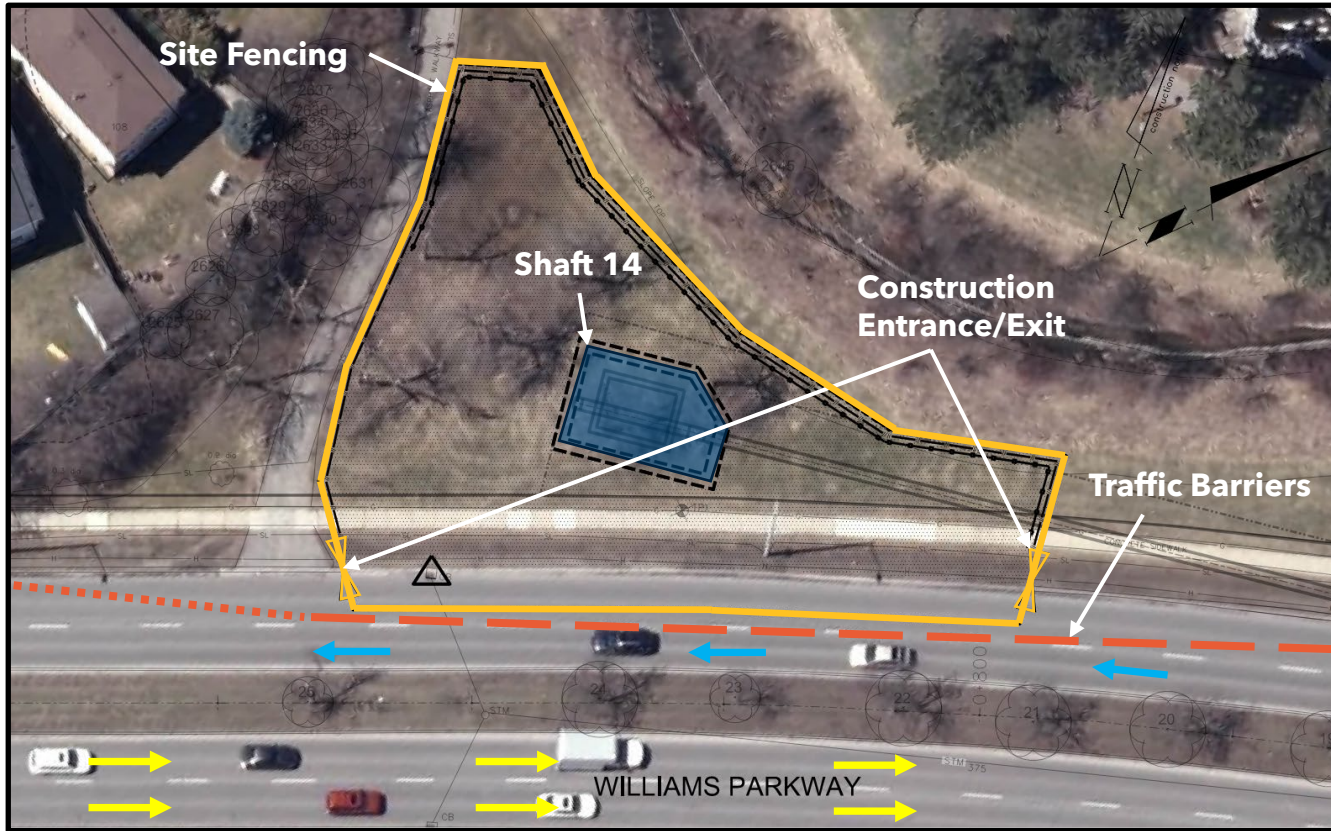


SHAFT 14 - Williams Parkway Newcastle Park

- Located on north side of the road in Newcastle Park.
- Construction is planned to start in the fall of 2024 for 9-10 months.
- The sidewalk will be closed on the north side of Williams Parkway across the park. Access to the trail will be maintained from west side, pedestrians to use south sidewalk or trail detour.
- Westbound curb lane reductions.
- We are coordinating with the City of Brampton's Williams Parkway Road Reconstruction project - early completion required.
- There will be noise and vibration monitoring.



SHAFT 14 - Work compound and traffic impacts

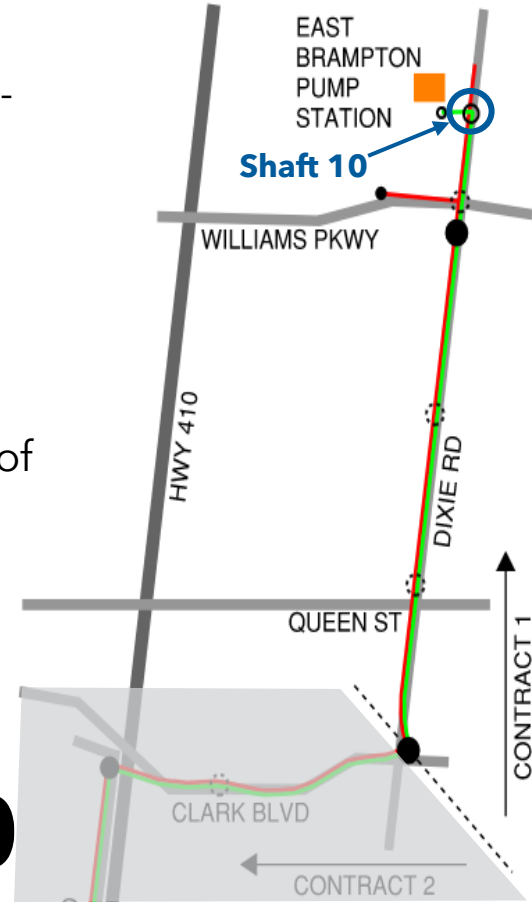


SHAFT 10 - Dixie Road north of Williams Parkway

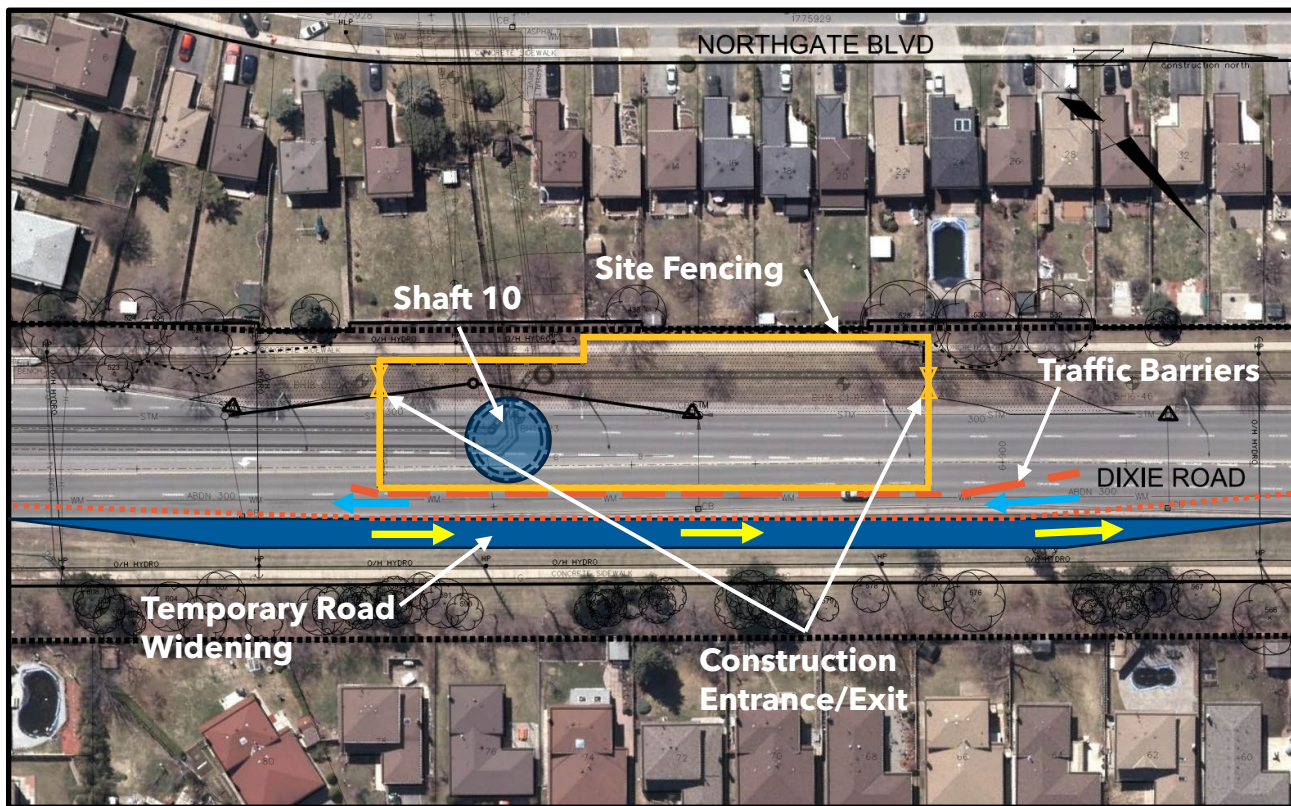


SHAFT 10 - Dixie Road north of Williams Parkway

- Located in the travelled lanes on the west side of Dixie Road.
- Construction is planned to start early 2025 for approximately 12-14 months.
- North and southbound Dixie Road reduced to one lane, with temporary road widening.
- Noise walls have been recently installed.
- There will be noise and vibration monitoring.
- The bus stop may need to be relocated to an area just outside of the construction.
- The sidewalk will be closed on west side of Dixie Road.
- Pedestrians will need to use east side of Dixie Road from Northampton Street to North Park Drive.



SHAFT 10 - Work compound and traffic impacts

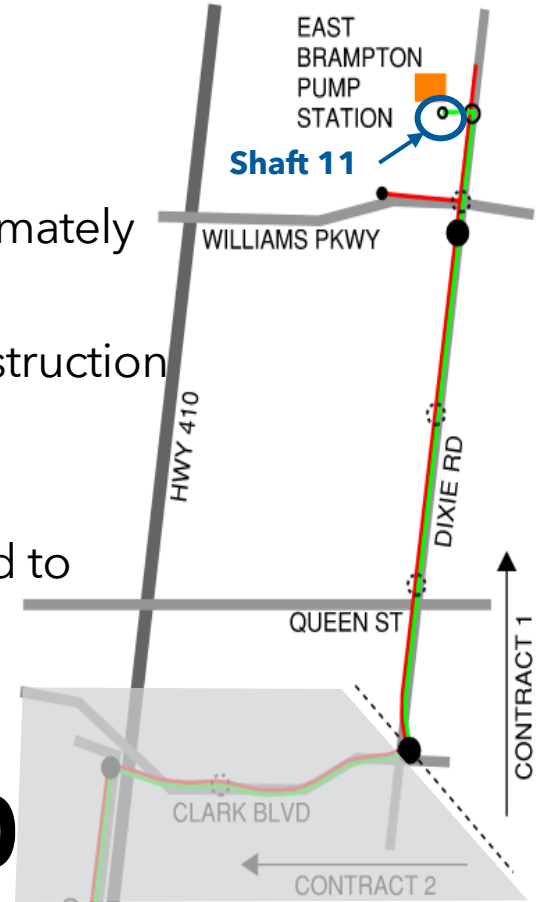


SHAFT 11 - East Brampton Pumping Station site



SHAFT 11 - East Brampton Pumping Station site

- Located at the back of East Brampton Pumping Station property on Nanport Drive.
- Construction is planned to start in late 2024 for approximately 1 year.
- Coordination with East Brampton Pumping Station construction project.
- There will be noise and vibration monitoring.
- The park path and park areas will be temporarily closed to pedestrian access.



SHAFT 11 - Work compound



Chambers 12/13 - Dixie Road south of North Park Drive



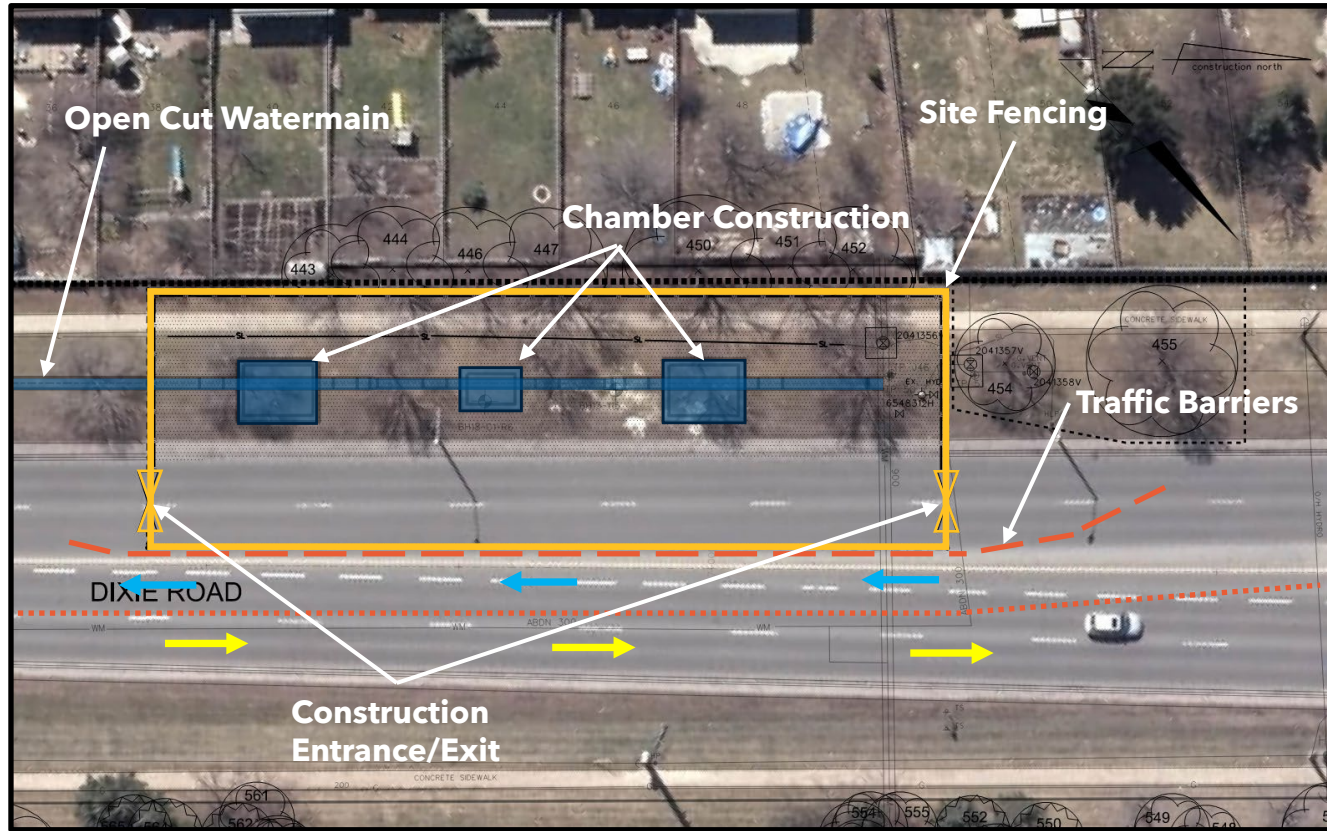
Chambers 12/13 - Dixie Road south of North Park Drive

- To large chambers will be installed using open trench construction along west shoulder of Dixie Road
- Construction is currently planned for fall 2025 to fall 2026.
- Northbound and southbound Dixie Road reduced to one lane.
- Noise walls have been recently installed.
- There will be noise and vibration monitoring.
- The bus stop may need to be relocated to an area just outside of the construction limits.
- The sidewalk will be closed on west side of Dixie Road.
- Pedestrians will need to use the east side of Dixie Road from Northampton Street to North Park Drive.

Chambers 12/13 and
Open trench watermain



Chambers 12/13 - Work compound and traffic impacts



Dixie Road and William Parkway

Construction coordination

- There will be a lot of work going on to improve the Dixie Road and Williams Parkway area including watermain, road and noise wall construction.
- To avoid doing rework and make construction happen as smoothly and safely as possible we have been actively coordinating with other Peel Region projects and the City of Brampton.
- The following slides show some planned construction in the Dixie Road/Williams Parkway area.

Coordination with other Contracts

1.

**Williams
Parkway Sub-
Transmission
Watermain**

**Timing: start in
summer 2025**
**Impacts: shared
shaft location at
Site 14**

2.

**Williams
Parkway Road
Reconstruction**

**Timing: start fall
2024 from the
west end
(McLaughlin Road)**
**Impacts: overlap
of area at Sites 9C
and 14**

3.

**Dixie Road
Noise Walls**

**Timing: east side
complete, west
side in 2025**
**Impacts: adjacent
work sites**

4.

**East Brampton
Pump Station
Upgrades**

**Timing: C1 ongoing
through 2025, C2
start in early 2026**
**Impacts: shared site
for Shaft 11**

Coordination with other Contracts

5.

**East Brampton
Watermain
Contract 2**

**Timing: Spring
2025 to 2028+**

**Impacts: shared
work area at
Shaft 6**

6.

**Dixie Road
Widening
Contracts**

**Timing: summer 2025
to 2028+**

**Impacts: traffic
impacts on Dixie Road
(initial contract from
Countryside Drive to
north of Mayfield
Road**

7.

**Dixie Road
Water/Sewer**

**Timing: early
2025 to late
2026**

**Impacts: traffic
impacts on
Dixie Road
north of
Mayfield Road**

8.

**Williams
Pkwy 400mm
Watermain**

**Timing:
Construction is
complete with
some minor
restoration
remaining**