



# **Basement Flooding Protection Program Sewer Upgrades on Old Mill Drive and Catherine Street**

Councillor Perks – Ward 4

Virtual Trailer No.14 – April 11, 2024

# Agenda

- 1. Action Items from March 14, 2024 – Virtual Trailer #13**
- 2. Project Progress Update**
  - All underground sewer work on the contract is now completed
- 3. Toronto Water Update**
  - Guest: Edwyn Ayson, Toronto Water's Project Manager
- 4. Toronto Transit Commission (TTC) Update**
  - Guest: Paul Tran, TTC's Senior Community Liaison
- 5. Sound and Vibration Transmission Assessment Update**
- 6. Schedule for the Remaining Work**
- 7. Upcoming Community Site Visit**

# Action Items from March 14, 2024 – Virtual Trailer #13

## 1. City staff to follow-up with resident about Traymore Crescent concerns

- City staff followed up with resident about the following concerns:
  - Construction noise experienced starting on March 12, 2024: This noise was due to maintenance hole installation operations at 37 Old Mill Drive. The process involves excavating sandy soil and installing a shoring system using steel plate, this shoring is necessary for workers to operate safely and to prevent the ground from collapsing. Friction during the plates installation requires extra force from the excavator, causing banging and vibrations. This work is aiming to be completed by today, Thursday, March 21, 2024, and this morning the noise experienced was related to the removal of the removal of the steel plate.
  - Pre and Post Inspection Condition: The City offers pre and post inspections to assess home conditions pre and post-construction. The mentioned pre-condition inspections were completed for interested residents within the construction limits of our project work, which is Old Mill Drive from Bloor Street West to Catherine Street and were completed late 2021 to early 2022.
  - Riverside Drive and Bloor Street West closure: The Work Zone Traffic Coordinator has confirmed that a full road closure by the Toronto Water Group 6 Project of Riverside Drive at Bloor Street West will not be permitted until the closure of Riverside Drive and Old Mill Drive is reopened.
  - TTC update: TTC has finished its rail milling maintenance in both directions between Old Mill and Jane stations as of February 9th, 2024. However, the TTC's noise consultant, responsible for conducting post-measurements, has not provided the post-milling sound/vibration assessment readings.

# Action Items from March 14, 2024 – Virtual Trailer #13

## 2. City staff to follow-up with Work Zone Traffic Coordinator on closure at Riverside Drive and Bloor Street West.

- City staff met with the Work Zone Traffic Coordinator of the Old Mill Drive area to clarify the issue raised by the residents on Traymore Crescent regarding a closure on Bloor Street West.
- Further coordination with the Work Zone Traffic Coordinator has confirmed that a full road closure by the Toronto Water Group 6 Project of Riverside Drive at Bloor Street West will not be permitted until the closure of Riverside Drive and Old Mill Drive is reopened.

# Action Items from March 14, 2024 – Virtual Trailer #13

## 3. City staff to follow-up on request for information regarding the timelines of the investigation of tiebacks.

- The City is undertaking a number of actions in relation to underground infrastructure. On the Old Mill project, the General Government Committee asked the City Solicitor to review the circumstances arising from the rescue of the Micro-Tunneling Boring Machine on Old Mill Drive and to report back on options available to recover the costs incurred by the City. That report was submitted to the December 6, 2023 meeting of the Committee and can be found at the following link: [Update on Additional Costs Associated with Extraction of the Micro-Tunneling Boring Machine on Contract 20ECS-LU-01FP \(toronto.ca\)](#). Because the report provided legal advice to the Committee, much of the information is contained in a confidential attachment to preserve solicitor-client privilege and protect the City's legal interests.
- In addition to this, the Chief Engineer provided a report to the same meeting of the General Government Committee with recommendations on how the City can improve how it locates and manages underground infrastructure that can impact on City construction projects. That report can be found here: [Review and Recommendations on Underground Locates \(toronto.ca\)](#). The Committee has required the Chief Engineer to report back with an update on actions taken to achieve the recommendations in the report. That update is required in the first quarter of 2025. For further information on the City's progress on this, please contact Mika Raisanen at 416-392-0867 or [Mika.Raisanen@toronto.ca](mailto:Mika.Raisanen@toronto.ca).

# Action Items from March 14, 2024 – Virtual Trailer #13

## 4. City staff to advise on deadline for request for post-condition inspection

- The City offers pre- and post-condition inspections on the homes within the construction limits of our project work, along Old Mill Drive from Bloor Street West to Catherine Street.
- Pre-condition inspections were completed in late 2021 / early 2022
- If residents wish to proceed with a post-condition inspection, please email the Field Ambassador, Janet Webster at [BFPP@toronto.ca](mailto:BFPP@toronto.ca), who will add you to the post-condition list. Please provide your preferred contact method for the inspection company.
- The third-party inspection company will schedule a convenient time for you for the assessment. The inspection will occur following the completion of the contract work.
- Deadline to request post-condition inspection is April 30, 2024

# Action Items from March 14, 2024 – Virtual Trailer #13

## Neighbourhood Community Letter from 67 Old Mill Drive

- Jennifer Graham Harkness, Chief Engineer and Executive Director of Engineering and Construction Services provided a phone call and a letter to resident at 67 Old Mill Drive in response to the Neighbourhood Community Letter.
  - We recognize the frustration this work has caused and want to assure the community that the challenges we have encountered, many of which were unforeseen, have been addressed with urgency.
  - Our team is dedicated to completing the work as quickly as possible without compromising on safety or quality.
  - We do also want to emphasize the substantial long-term benefits this project will offer, including enhanced local infrastructure, improved sewer connectivity and capacity, and better protection against basement flooding for this neighbourhood and beyond.
  - We are not able to provide a reimbursement of property tax. However, accountability is important to us, and the City has begun the process of examining the factors that contributed to the challenges experienced on this project and has implemented initial strategies to avoid similar situations from happening again.

# Project Progress Update

## Maintenance Hole OD6 installation at 37 Old Mill Drive

- On March 19, 2024, the Contractor identified a watermain leak within their work zone which required an emergency repair.
  - On-site staff advised impacted residents in person while notices were being issued to formally inform them of the emergency water shut off and repair.
  - Toronto Water shut-off the water supply at about 9:00 AM.
  - The watermain was fully repaired, with the water supply restored, at 1:30 PM.
- On Thursday, March 21, 2024, the Contractor completed the installation of the storm maintenance hole (MH-OD6) located within the boulevard at 37 Old Mill Drive and backfilled the boulevard.
- Vibration monitoring has been in place for the duration of the MH-OD6 installation and there have been no high level alerts to date. All work has been within permissible City by-law limits for construction vibrations.
- On Friday, March 22, 2024, existing storm sewers between Etienne Brule Park and Halford Avenue were abandoned and adjustment was made to the catch basin at Catherine Street and Old Mill Drive.
- A concern was raised regarding dust. The contractor is obligated to maintain site cleanliness has performed sweeping on a regular basis as a standard practice. The City will ensure this continues.



# Project Progress Update

## Settlement Remediation located near the speed hump at 50 Old Mill Drive

- On Wednesday, March 27, 2024, the Contractor commenced investigation and remediation of the settlement in the roadway located adjacent to the speed hump at 50 Old Mill Drive.
- Notices were distributed for the temporary road closure at this location to facilitate the repairs, with an expected completion date of Friday, March 29, 2024. This work required two extensions to Wednesday, April 3 and finally to Friday, April 5, 2024, due to unforeseen weather conditions and the nature of the repairs.
- The investigation concluded that the settlement was a result of decaying abandoned wood shoring, as well as deficiencies in the sewer service laterals for 50 Old Mill Drive.
  - Both sanitary and storm sewer service laterals were repaired to meet City standards.
  - To prevent future settlements within this localized area, the excavation was fully backfilled with unshrinkable fill.
- The road was temporarily paved on April 5, 2024, and traffic controls were removed on April 6, 2024.
- There is no further underground work remaining to be completed under this Contract.

# Project Progress Update

## Ongoing Work

### Restoration – General

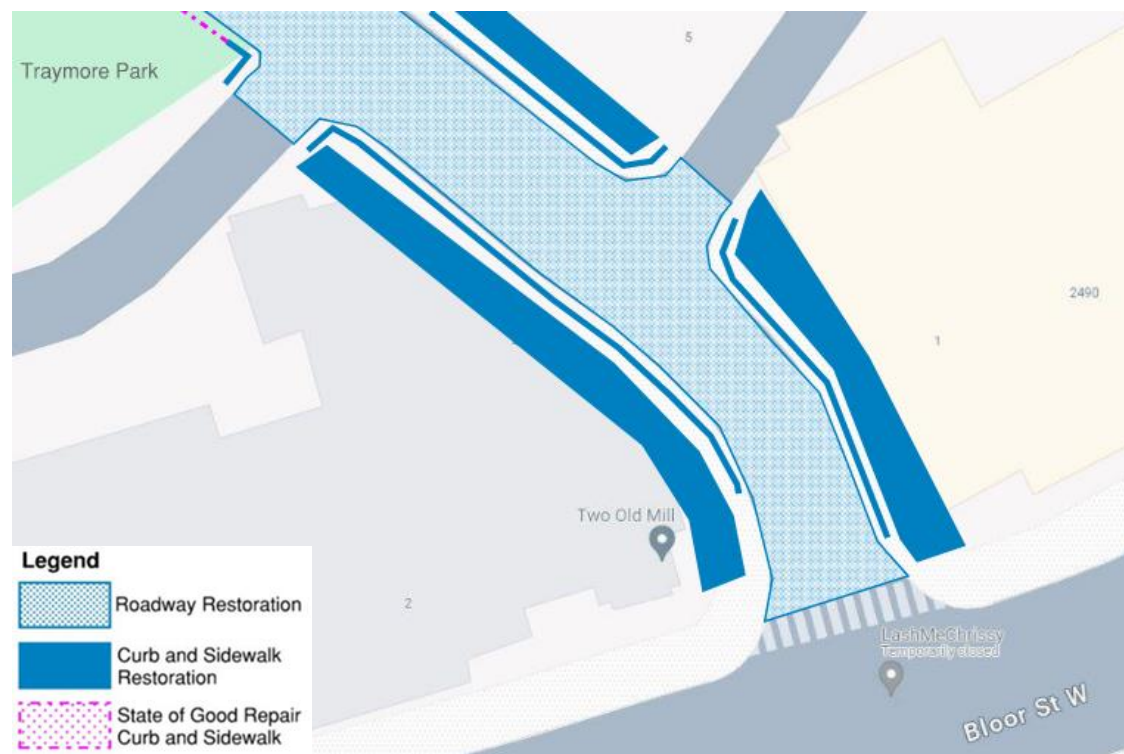
- Concerns have been raised regarding Contractor parking on Old Mill Drive.
  - During the work, the Contractor is directed to avoid parking their general staff vehicles on the street, however sometimes during the performance of the work, marked contractor vehicles are required in the immediate work zone to facilitate the work.
  - When driveway impact notices are issued to residents, they are instructed to place the closure notice on their dashboard and are also advised not to park in prohibited areas, such as in front of a fire hydrant or in a disabled parking zone. If residents receive a ticket and have displayed their closure notice, the field ambassador can arrange for cancellation of the ticket.
- An overall assessment of the trees to identify and address any potential impacts resulting from the construction of the project will be undertaken as the sewer work is now completed.
  - A concern was raised regarding the condition of the Maple Tree at 67 Old Mill Drive. The City will coordinate with our consultant to provide a condition assessment of this Maple tree to identify any impacts resulting from the construction of the project.
- Softscape restoration (topsoil and sod) is anticipated to be completed in May/June 2024.
- Post-condition surveys and final CCTV of the storm and sanitary infrastructure is anticipated to be completed in May/June 2024.

# Project Progress Update

## Restoration

### Part 1 – Old Mill Drive from Bloor Street West to Traymore Park

- Completed restoration (March 2024):
  - Full width roadway restoration base layer.
  - Sidewalk and curb reconstruction on Old Mill Drive from Bloor to Traymore Park Driveway entrance restoration.
- Outstanding restoration:
  - The Contractor will pave the top layer of asphalt in May 2024.
  - Restoration of boulevard (topsoil and sod).
  - Tree planting to be completed by City Parks, Forestry and Recreation (PF&R).



# Project Progress Update

## Restoration

### Part 2 – Traymore Park

- Outstanding restoration:
  - Restoration of topsoil and sod that has been impacted by construction.
  - Paving of the pedestrian pathway (section impacted by construction).
- A concern was raised regarding a gradual slope where the pedestrian pathway meet Old Mill Drive
  - The existing curb at the Traymore park pathway entrance off Old Mill Drive has been reconstructed with a depressed curb and installation of a concrete pad and Tactile Walking Surface Indicators (TWSI) plates, per the Accessibility for Ontarians with Disabilities Act requirements.
  - The scope of the BFPP restorations works within Traymore park do not extend to Traymore Crescent and therefore no work will take place at this location of the park pathway.

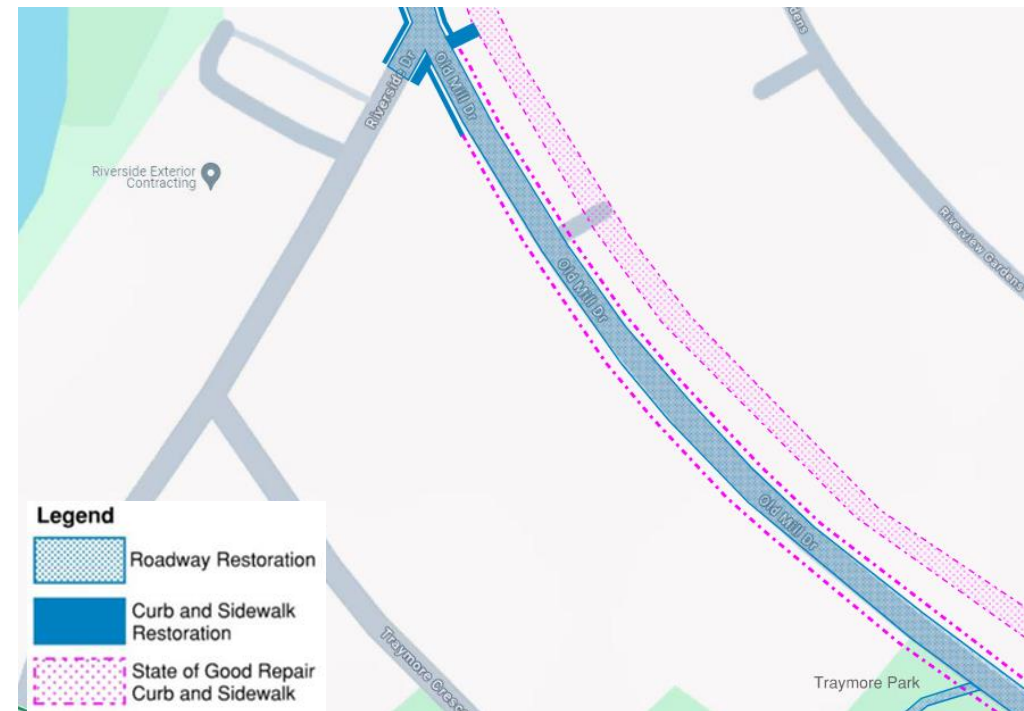


# Project Progress Update

## Restoration

### Part 3 – Old Mill Drive from Traymore Park to Riverside Drive

- Additional scope has been approved for full Road Restoration along Old Mill Drive, between Traymore Park and Catherine Street.
- This entire stretch of roadway will be resurfaced, curb to curb, at the end of the restoration phase of the contract, including installation of speed humps to replace the three existing speed humps along this stretch.
- Notices will be distributed to residents ahead of this road restoration.
- Completed restoration:
  - Any concrete curbs and sidewalks that have been impacted by the construction or found in deficient conditions will be permanently replaced. This work, along with driveway asphalt and interlocking restoration is presently ongoing and anticipated to be completed by the end of April 2024.

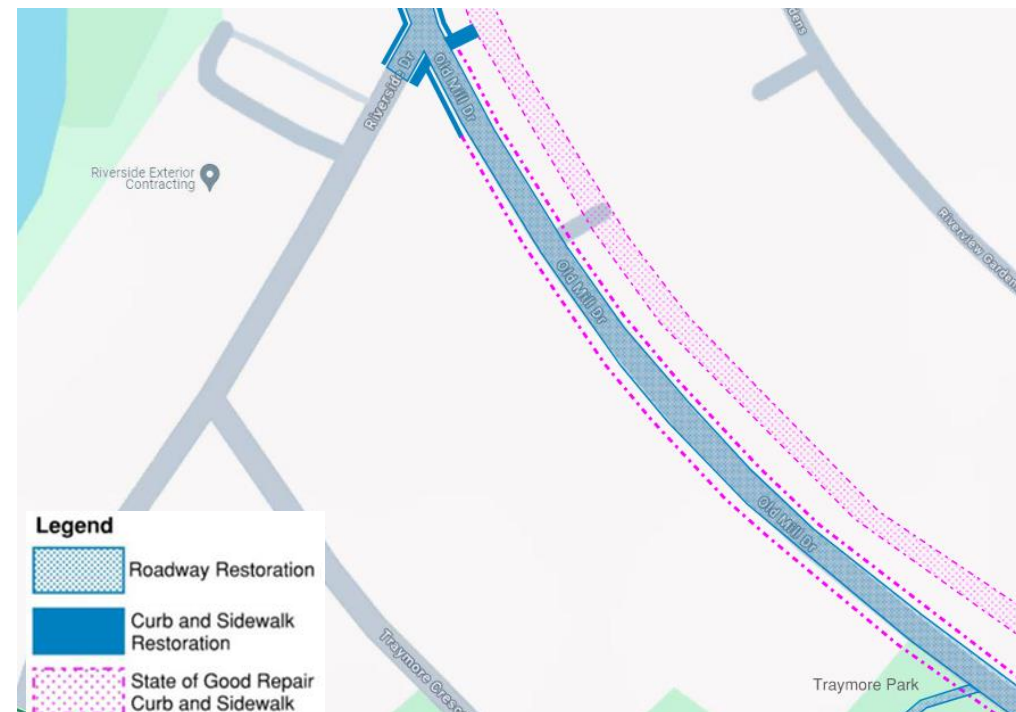


# Project Progress Update

## Restoration

### Part 3 – Old Mill Drive from Traymore Park to Riverside Drive

- Outstanding restoration:
  - Full width roadway restoration, including reinstatement of all existing speed bumps and line painting.
  - Restoration of boulevard (topsoil and sod) impacted by construction.
- A concern was raised regarding overland flooding near 55/57 Old Mill Drive and 517 Riverside Drive.
  - The proposed works in this localized area include full curb remediation of the existing curbs on the east side of the roadway, extending from the Riverside Drive intersection to approximately the south limit of 51 Old Mill Drive.
  - This work aims to address potential ponding concerns during the pending full-width resurfacing works by ensuring adequate water flow/drainage along the curb line and appropriate sloping towards the catch basin at 55 Old Mill.
  - This work will also address any tripping hazards in this area.

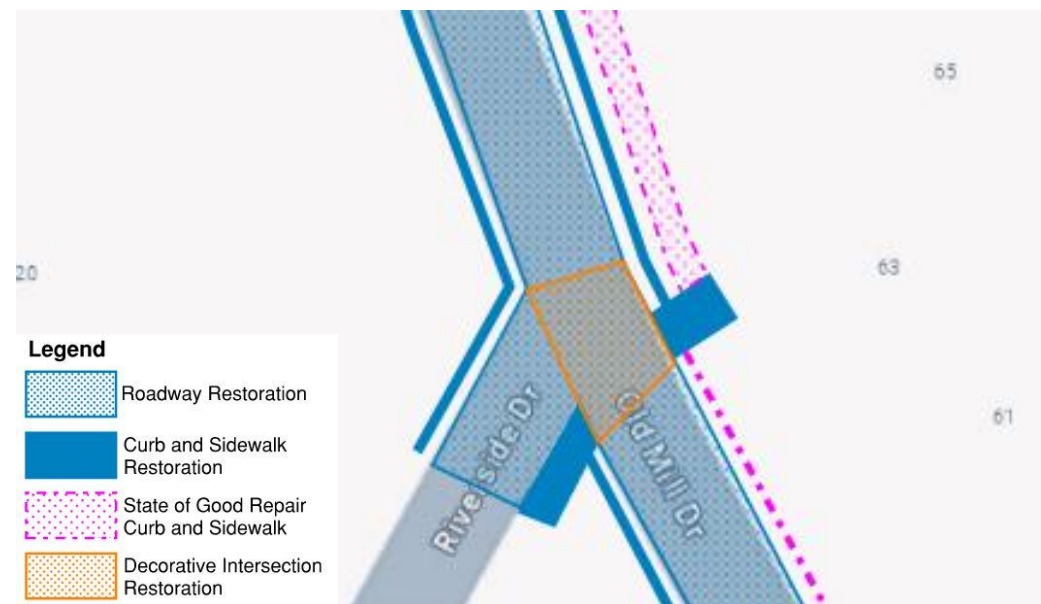


# Project Progress Update

## Restoration

### Part 4 – Old Mill Drive and Riverside Decorative Intersection

- The Riverside Drive decorative intersection will be permanently restored.
- Restoration of the East side of the intersection was completed in March 2024.
- On Friday, April 5, 2024, notices were distributed to advise residents that the restoration works on the West side of the intersection will take place from April 9, 2024, to April 26, 2024.
- Old Mill Drive will be reduced to one lane in the vicinity of the work zone, one lane will be always open throughout the duration of this work.
- Upon completion of the intersection restoration, the intersection will be fully open.
- Restoration of boulevard (topsoil and sod) impacted by construction to follow.

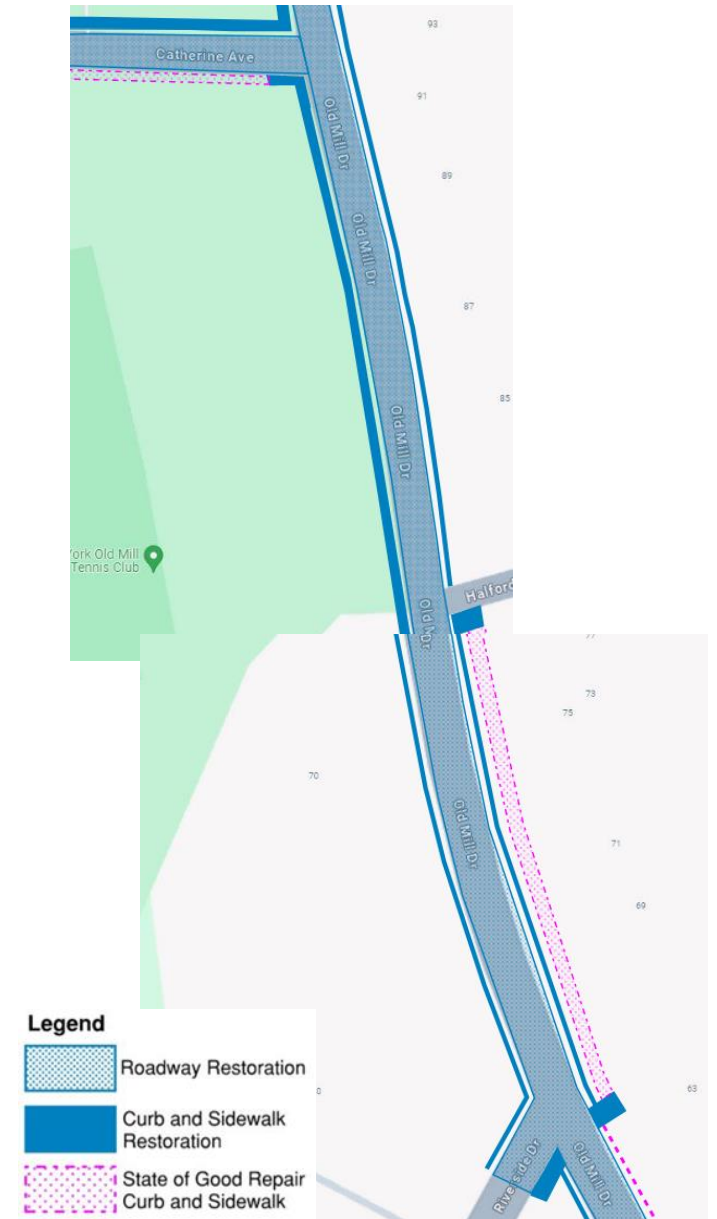


# Project Progress Update

## Restoration

### Part 5 – Old Mill Drive from Riverside Drive to Catherine Street

- Full width roadway restoration, including line painting.
- Sidewalk and curb replacement impacted by construction and/or state of good repair work is ongoing.
- Driveway restoration impacted by construction is ongoing.
- Restoration of boulevard (topsoil and sod) impacted by construction.



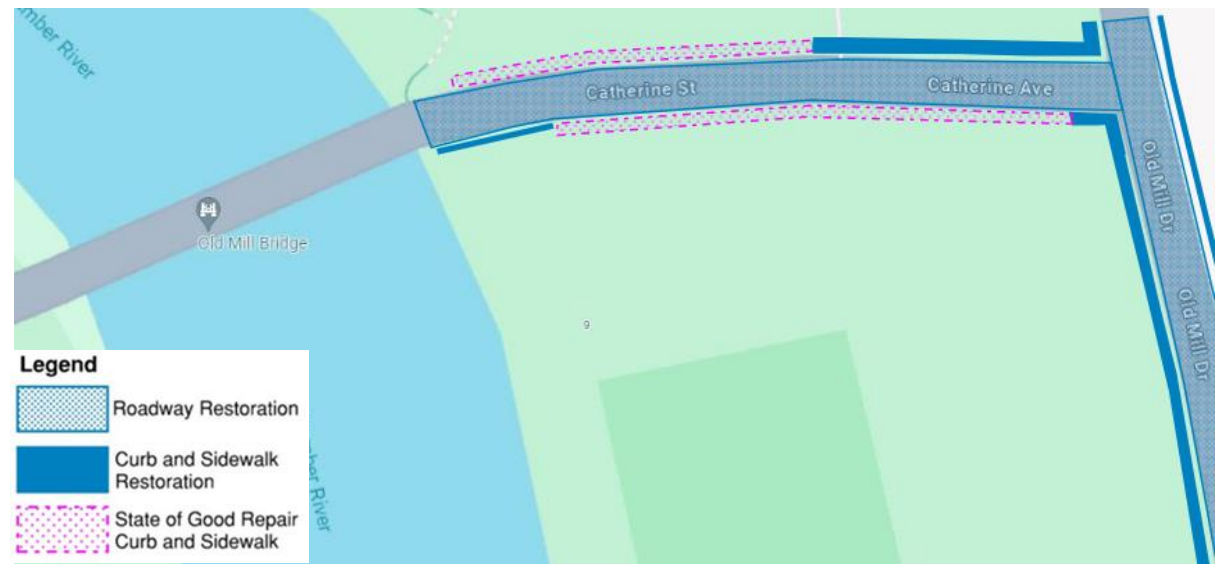


# Project Progress Update

## Restoration

### Part 6 – Catherine Street from Old Mill Drive to Humber River Bridge

- Full width roadway restoration, including line painting.
- Sidewalk and curb replacement impacted by construction and/or state of good repair work is ongoing.
- Restoration of boulevard (topsoil and sod) impacted by construction.
- The Site Trailers located on Catherine Street were removed from site on Wednesday, April 10, 2024.



# Project Progress Update

## Restoration

### Part 6 – Catherine Street from Old Mill Drive to Humber River Bridge

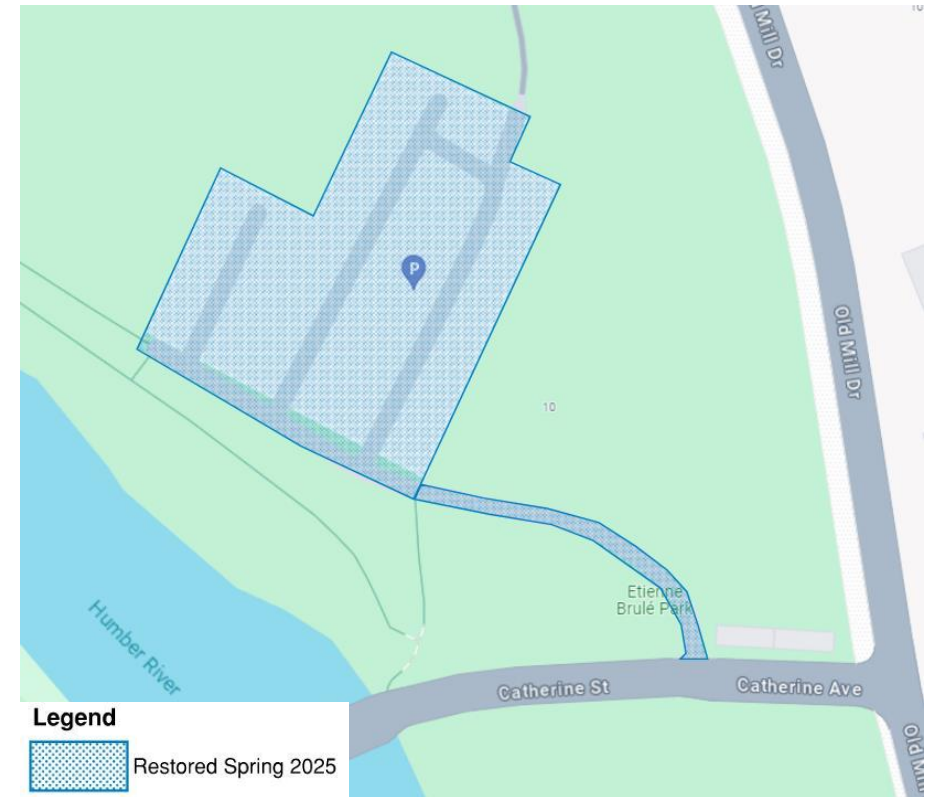
- On Tuesday, April 2, 2024, notices were distributed to advise residents that the restoration works on Catherine Street will take place from April 8, 2024, to April 19, 2024.
- Full road closure is required on Catherine Street from Old Mill Drive to Old Mill Bridge. There will not be access to the parking lot in Etienne Brule Park for the duration of the road restoration work. Pedestrian access to the Etienne Brule Park will be maintained at all times during the road restoration work.
- Toronto Hydro was on site Tuesday, April 9, 2024, to disconnect the hydro connection to the site office trailers on Catherine Street. The Site Trailers located on Catherine Street were removed from site on Wednesday, April 10, 2024.

# Project Progress Update

## Restoration

### Part 7 – Etienne Brule Park

- All topsoil and sodding works impacted by the BFPP works within the park flanking Catherine St will be completed in May/June 2024 and will include temporary restoration of the parking lot areas to ensure the construction laydown area is made safe prior to demobilization.
- Complete rehabilitation of park parking lot – anticipated completion Spring 2025 under the Toronto Water, Group 6 Pump Station Project.
- Details of restoration:
  - Temporary spot repairs of the parking lot.
  - Topsoil and sodding impacted by construction.
  - Tree planting to be coordinated with City Parks, Forestry and Recreation (PF&R).



# Project Progress Update

## Ongoing Work

### Etienne Brule Park

- All roadway signs either impacted or removed under the performance of the City's contract work, and approved in the Contractor's Traffic Management Plan, will be reinstated by the contractor upon completion of the project.
- An Indigenous Heritage site walk of Etienne Brule Park, unrelated to the Basement Flooding Protection Program Contract, is scheduled to occur on Thursday, April 18, 2024.
- City Parks, ECS, and WSP have coordinated access plans during this site visit. Due to construction constraints, access steps to the park by the historical bridge will be maintained for pedestrian access to the park, however the park's parking lot will not be accessible on April 18, 2024.

# Project Progress Update

## Ongoing Work

### Etienne Brule Park

- A concern was raised regarding access to Etienne Brule Park during the Basement Flooding Protection Program Contract.
- The City can confirm that, during the performance of the Old Mill Contract, Etienne Brule Park has remained accessible to pedestrians via the staircase located to the east of the Old Mill Bridge.
- The contractor has an approved, fenced-off construction compound utilizing half of the parking lot at Etienne Brule Park, as approved by Parks Authority.
- The remaining parking spaces and access to the parking lot at Etienne Brule Park is fully accessible to vehicular traffic and was only closed during installation of the storm sewer upgrades in October 2021 and will be closed one additional time during the upcoming road reconstruction on Catherine Street.
- During any closure of the parking lot access, pedestrian access is always maintained and an alternative public parking lot on the west side of the Humber River is available.
- Toronto Water Project Manager, Edwyn Ayson, is present and will provide an update on that scope of work now.

# Toronto Water Update

## Toronto Water Group 6 – Sewage Pumping Station Project

- The Group 6 sewage pumping station works include the rehabilitation of the Babypoint (Etienne Brule) sewage pumping station which is located adjacent to the parking lot gravel trail between Old Mill and the Park. This project has been delayed by 1-2 years due to the MTBM delay impacts and is expected to start the week of April 22<sup>nd</sup>, 2024.
- The project duration is approx. 12 months, the project must be completed prior to the risk of flooding from Humber River in winter of 2025. Therefore Maple Reinders (Toronto Water Contractor) for the Group 6 project has commenced preliminary work fencing off their work zone in the Parking Lot in Etienne Brule Park, within the pump station limits.



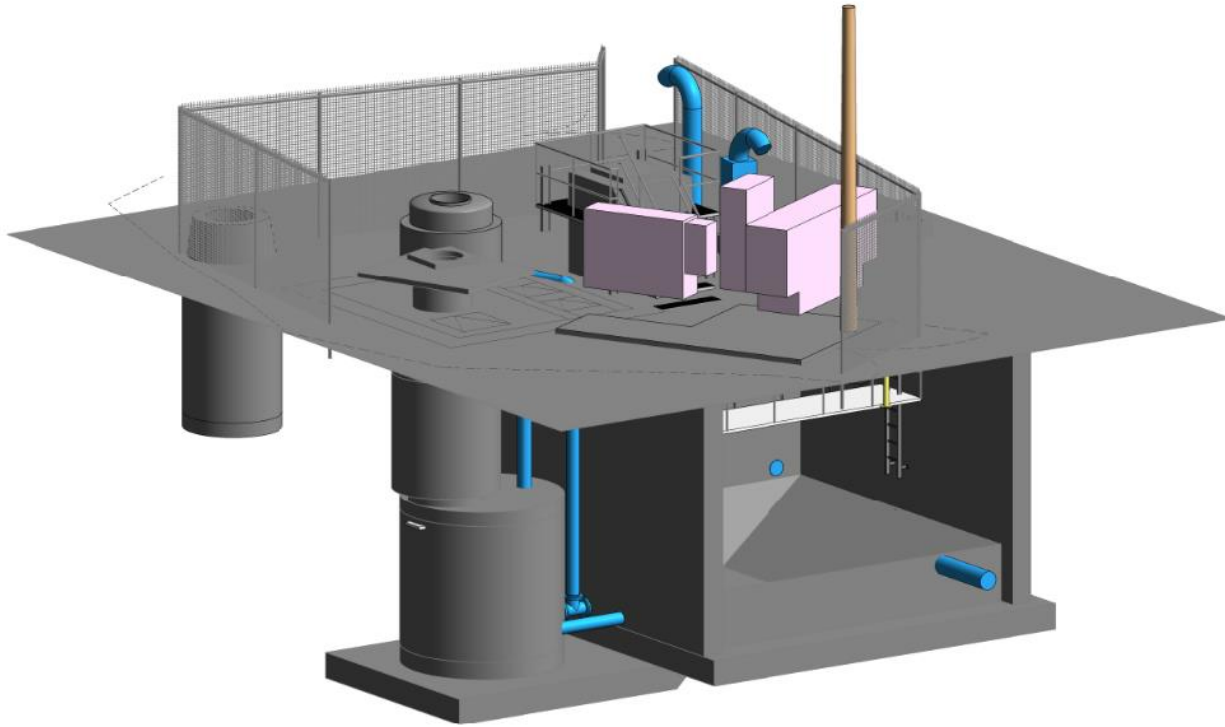
# Toronto Water Update

## Group 6 Station Upgrades Laydown Area

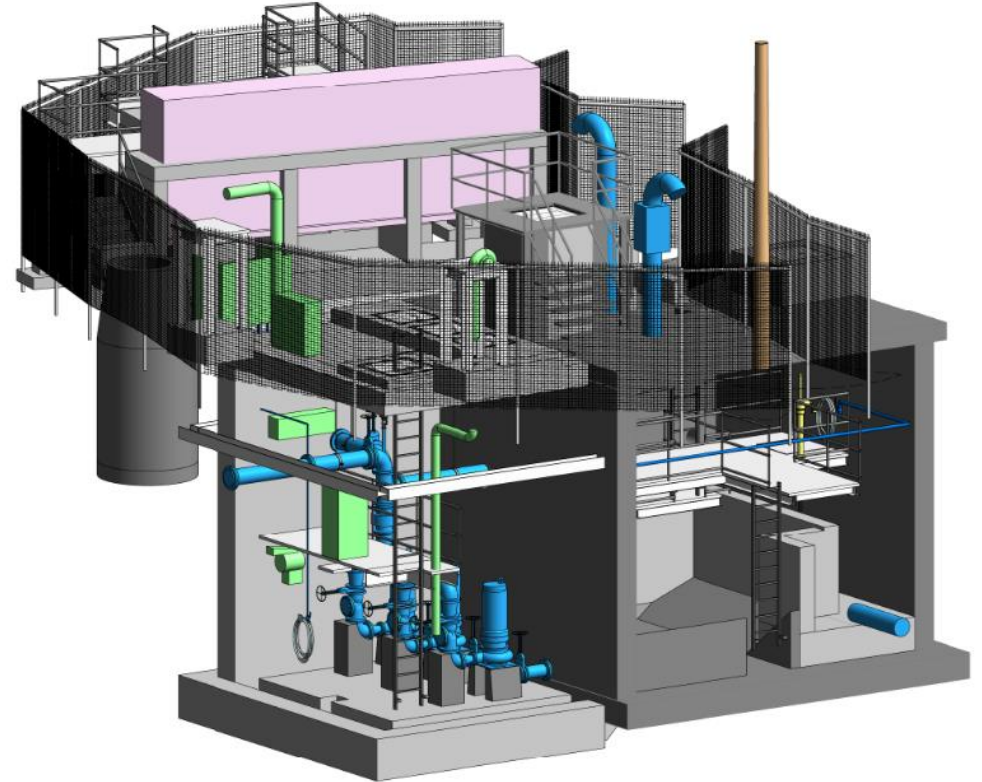


# Toronto Water Update

## Group 6 Babypoint SPS Upgrades



3D - EXISTING STATION



3D - STATION UPGRADES



# Toronto Transit Commission Update

## Toronto Transit Commission – Update

- On January 16, 2024, TTC conducted pre- TTC maintenance measurements of the noise/vibration from the public right-of-way. The measurements involved a small crew placing monitoring equipment on the ground in Traymore Park which obtained readings for about 3 hours.
- In early February 2024, routine preventative rail maintenance (rail milling) was completed between Old Mill and Jane stations to address rail corrugation.
- On March 11, 2024, TTC confirmed that post-maintenance noise vibration assessment was completed in the same locations as the pre-measurements.
- Analysis on the measurements is ongoing by a third-party consultant and will be summarized by TTC when complete. TTC is expecting to hear back from the consultant by the end of April.
- With regards to the question of lining, Community Relations staff have reviewed documents and have not identified any discussions on this matter being referred to. If neighbors have emails or documents that can be shared regarding the historical context, TTC can review the matter further.

# Sound and Vibration Transmission Assessment Update

## Vibration Consultant

- The City is reviewing a proposal from a third-party consultant, GPM Environmental, to conduct a sound and vibration transmission assessment.
- Details of the approved work plan will be communicated, when available.

# Schedule for Remaining Work

Construction Key Work	Apr '24	May '24	Jun '24
<b>Open-Cut Excavation Construction</b>			
Service repair work at 50 Old Mill Drive to address settlement			
<b>Restoration Work</b>			
Old Mill Drive - between Traymore Park and Bloor Street West			
Old Mill Drive - between Riverside Drive to Catherine Street			
Old Mill Drive - Riverside Drive intersection patterned concrete			
Old Mill Drive - between Riverside Drive to Bloor Street West & Traymore Park pathway paving			
Catherine Street - between Old Mill Drive and Old Mill Bridge			
Final Restoration, including Etienne Brule Park, hardscape and softscape restoration throughout the entire construction limits.			

\*Please note, timelines are subject to change, weather dependent and community will be notified if any updates are necessary.

# Upcoming Community Site Visit

## Site Visit

- The Councillor's office has scheduled a site walk on Tuesday, April 16<sup>th</sup> 2024 at 10:00am.
- BFPP City and Consultant staff will be available to answer questions on this walk.

## Virtual Trailers

- The next Virtual Trailer No. 15 is scheduled for Thursday, May 9, 2024 at 4 p.m.