



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

Councillor Perks – Ward 4

May 11, 2023

Action Items from April 27, 2023 Virtual Trailer #1

1. Cleanliness in Etienne Brule Park and Old Mill Drive

- We have inspected the park and it is generally clean.
- The Contractor's material management compound is fenced within the parking lot.
- The Contractor is utilizing a combination of a sweeper truck and mechanical skid-steer sweeper to keep the entrance clean.
- The Contractor will continue to be reminded of their contractual obligations for site cleanliness and safety along with monitoring the work daily.

2. Noise level of the generators being utilized on site

- The generators, which are being utilized by the Contractor, are critically silenced generators, that have noise reduction cladding installed to reduce noise impacts from the equipment. The site team has verified that these noise control measures have been implemented.
- The technical data for this equipment lists the noise dB levels to be within the allowable City of Toronto Noise By-Law thresholds.

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3. Footpath for pedestrians at Riverside Drive

- We have confirmation that the Contractor has safely moved the fence to allow pedestrians safe access on Riverside Drive.
- Please note, the Contractor will need to return to this location again and may extend the fence for their work zone, should it be necessary.

4. Parking on Old Mill bridge, vehicular safety and road condition on Catherine Street

- Contractor has been instructed to avoid parking on Old Mill Drive and on the bridge at Catherine Street.
- The condition of the road observed on Catherine Street is unrelated to our work (pre-existing conditions), however this section of Catherine Street is to be resurfaced from curb to curb at the end of the Contract.
- The Consultant will follow-up with the Contractor to accommodate filling of some of the larger potholes temporarily.

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5. Lead water services

- All water services within the contract limits have been inspected and upgraded, where required, aside from two (2) outstanding water services at 57 and 59 Old Mill Drive that require further investigation.
- Lead kits were delivered to these two properties on Old Mill Drive ahead of investigation of water service, but it is not necessary to use the kits until there is disruption to the service.

6. Tree protection

- The site staff have conducted a general inspection of all tree protection fencing and advised the Contractor on any remedial efforts which may be required.
- The Contractor has also been reminded to follow the correct protocols for tree protection procedures and avoid placement of equipment within the tree protection zone.

Status of Work – Progress Update

Ongoing Sewer Work

- Ground stabilization on Old Mill Drive is a two-phased procedure to stabilize the ground around the Microtunneling Boring Machine (MTBM).
- Work on the Basement Flooding Protection Program Phase 4 Contract on Old Mill Drive is currently paused while the City and the construction contractor review elements of the project that arose as result of the emergency work following the issue with the micro-tunneling boring machine in April 2022. The City is committed to working with the contractor and continuing work on the site as soon as possible. In the meantime, City staff have visited and inspected the work site to ensure the construction area is safe while construction work is paused.
- The shallow 375mm storm sewer around 1&2 Old Mill Drive is currently being bypassed during heavy rainfall events to avoid additional overland flooding at Traymore Park. This sewer will be decommissioned and upgraded as part of the contract scope, however the rescue procedures for the MTBM must be completed first.
- The site staff is continuously monitoring the ground conditions. If any signs of settlement are present, they will be addressed imminently by the Contractor. In the past, settlements have been noted around the rescue area of the boring machine and have been rectified.

Status of Work

Spill at the Outfall to Humber River at Etienne Brule Park

- Spill was identified on April 25, 2023 at the Outfall to Humber River of construction material/sedimentation.
- Maintenance of the two containment dams installed on April 25, 2023 is ongoing.

Sequencing of Work

- Once ground stabilization is completed, the Contractor will proceed with the boring machine recovery.
- After recovering the machine, the remaining sewer infrastructure work will continue, including connection of the new sewer, open-cut work to replace the existing 375mm storm sewer and open-cut sewer connection at the Riverside Drive shaft.
- After the sewer infrastructure work, restoration of the site on Old Mill Drive will proceed.

Restoration

- Impacted sidewalk bays have been reconstructed.
- Contractor will restore driveways and sod in the Summer.

Old Mill Drive Work Schedule

Key Work	Apr	May	June	July	Aug
Ground Improvements Phase 1 - Compaction Grouting					
Ground Improvements Phase 2 – Jet Grouting					
Recovery of Microtunneling Boring Machine (MTBM)					
Installation of remaining sewer infrastructure					
Restoration (Road, Boulevard, Driveways, Sod, Park etc.)					

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