



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

Councillor Perks – Ward 4

July 06, 2023

Action Items from June 08, 2023 Virtual Trailer #4

- 1. Location of the porta-potty to be inspected and moved to the other side of the trailer at 2 Old Mill Drive.**
 - The portable washroom has been moved and is located in Traymore Park in compliance with MOL requirements.

Status of Work – Progress Update

Ongoing Sewer Work

- The ground stabilizing operations on Old Mill Drive using a two-phased grouting procedure has been completed.
- The Contractor completed Quality Assurance and Quality Checks (QA/QC) to ensure the ground improvements meet the design makeup and stability requirements.
- The ground stabilization equipment has been removed and demobilized from the work zone.
- The site staff are continuously monitoring the ground conditions and will address any signs of settlement, if they occur.
- 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 micro-tunneling boring machine (MTBM) must be completed first.
- The Contractor has also installed a bypass system on a small portion of the sanitary sewer around 1&2 Old Mill Drive, which will remain in place until the repair work can be performed. It is expected that this repair work will occur within the next couple of weeks.
- A convex mirror has been installed at 2 Old Mill parking exit onto Old Mill Drive to improve line of site issues.
- As noted in the June 20, 2023, community update, the ground stabilization works encountered various challenges that made the retrieval of the micro-tunnelling boring machine more complex and time-consuming than initially anticipated. As a result, the costs of the retrieval efforts have increased, and City staff are seeking additional funding to cover these expenses. More information can be found in the staff report to be considered by the City's [General Government Committee on July 10.](#)

Status of Work – Progress Update

Sequencing of work

- The Contractor will repair the sanitary sewer that is being bypassed and remove the bypass equipment associated with the sanitary sewer.
- The Contractor will mobilize back at the receiving shaft to proceed with recovering the MTBM.
- 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 Riverside Drive shaft.
- After the sewer infrastructure work, restoration of the site on Old Mill Drive will proceed.

Spill at the Outfall to Humber River at Etienne Brule Park

- A Spill was identified on April 25, 2023 at the Outfall to Humber River of construction material/sediment.
- The Contractor is monitoring and maintaining the two containment dams installed on April 25, 2023.
- The Contractor is communicating with MECP, who visited the site on multiple occasions and are satisfied with current conditions.

Status of Work – Progress Update

Additional Spill at the Outfall unrelated to this Basement Flooding Protection Program (BFPP) contract.

- Another spill was identified at the outfall to Humber River at Etienne Brule Park the week of June 5 by Toronto Water. The spill was from an old existing storm headwall connecting to an alternate storm sewer system, not the newly constructed headwall and storm sewer part of the BFPP scope.
- Toronto Water installed and is monitoring containment dams at this location.

Water Service Upgrades

- Completed at properties where substandard conditions were identified.
- Two outstanding water service upgrades are being investigated. Lead kits were distributed to the properties but are not necessary until disturbance to the service when an upgrade is performed. The remaining water service work will commence when the Contractor has available resources as the focus has been on the ground improvement and MTBM rescue work.

Restoration

- An overall assessment of impacted sidewalks and road required for restoration due to construction will be reviewed upon completion of underground work.
- Contractor will restore driveways and sod in the Summer/Fall 2023.
- Temporary restoration work on boulevards and lawns has been performed as an interim solution to maintain safety and cleanliness and the Contractor will reassess restoration activities upon availability of resources and sod to restore areas to pre-existing condition.

Old Mill Drive Work Schedule

Key Work	Apr	May	June	July	Aug	Sept
Ground Improvements Phase 1 - Compaction Grouting						
Ground Improvements Phase 2 – Jet Grouting						
Recovery of <u>Microtunneling</u> 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.