



Mackay Crescent Reconstruction

INFORMATION PACKAGE

Mackay Crescent Reconstruction – Weber Street to Alvin Street (north end) Information Package

What is the scope of work?

As part of the City of Waterloo's asset management and road rehabilitation programs, roadway, watermain and sewer improvements are planned for Mackay Crescent from Weber Street to the northernmost intersection with Alvin street. Subject to receipt of all technical and financial approvals, construction of this project is tentatively scheduled to occur from April 2021 to November 2021.

The specific improvements planned for Royal Street include:

- Replace the existing sanitary sewer, storm sewer, and watermain to meet current capacity requirements and design standards.
- Replace the existing sanitary and water service laterals serving each home/property from the new mains to the property line (or to the building if “black pipe” sanitary service laterals are encountered—please see below for additional information).
- Replace the existing curb and gutter, asphalt, and concrete sidewalk.
- Install new sidewalk on south side of roadway between Weber Street and the trail entrance to Moses Springer Park.
- Replace all existing driveway ramp entrances within the municipal right-of-way to conform to current City standards.
- Restoration of disturbed areas with topsoil and sod.

Are there any changes proposed to the existing streetscape?

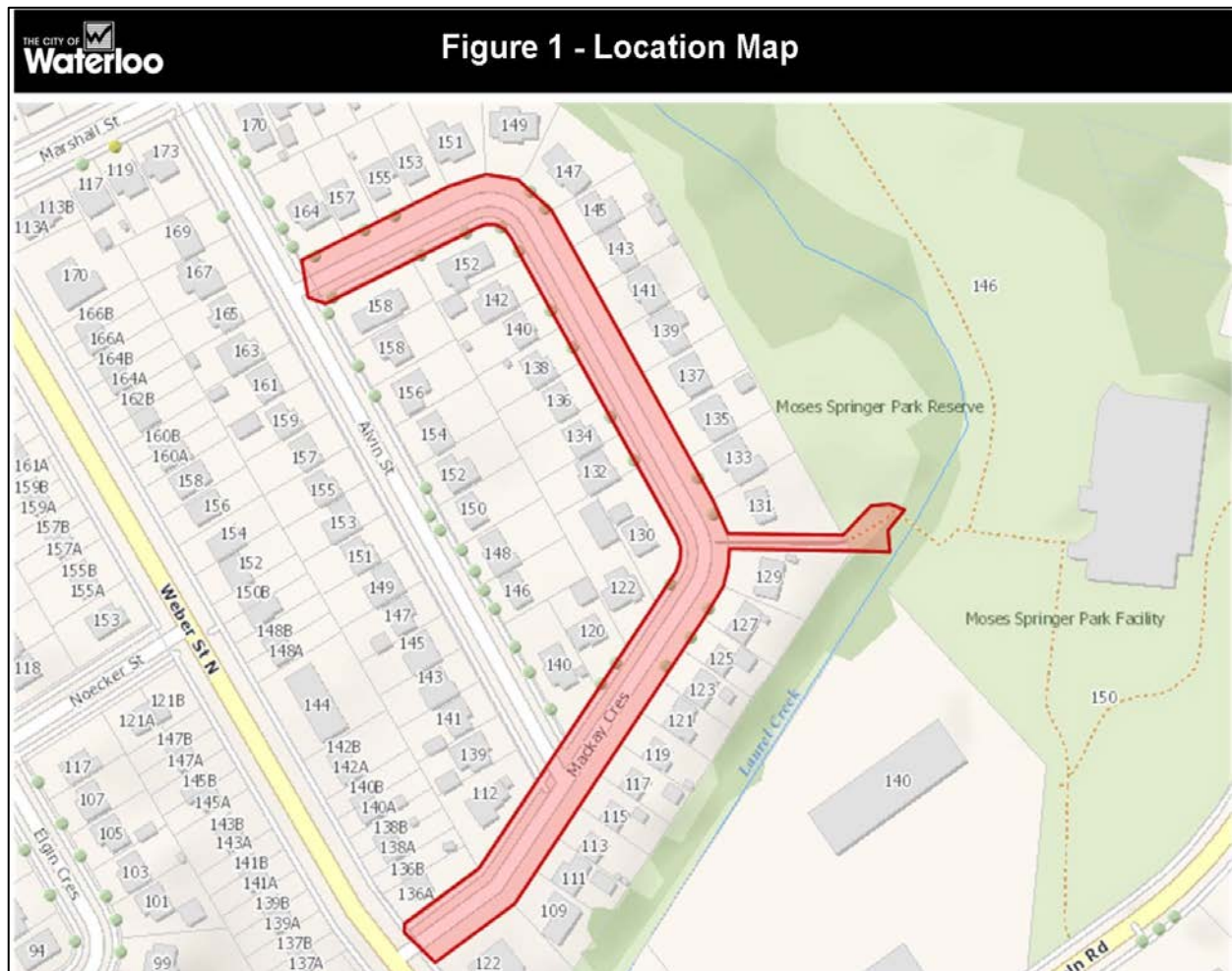
With the exception of the new sidewalk, the existing streetscape will be generally maintained between the Moses Springer Trail entrance, north to the intersection with Alvin Street. In order to install the new sidewalk, the roadway from Weber Street to the trail entrance will be altered by narrowing the road, removing parking on one side and installing a new sidewalk with boulevard. There will be excavation and disturbance of the boulevard. Additional information is provided in a subsequent section for residents who have landscaped their boulevard.

Who will be doing the work?

A private contractor selected through the City's public tender process will undertake the work. Typically, a representatives from the selected Contractor will be in attendance at an in-person public information centre to be held prior to construction in the spring of 2021, however this is subject to restrictions due to COVID-19.

What is the timing of the construction?

Construction is scheduled to begin in April 2021, pending Council approval, with work expected to be completed by the end of November 2021. Figure 1 shows the approximate extents of construction.



While all efforts will be made to maintain the proposed schedule, potential delays may arise due to weather conditions, unexpected subsurface conditions, or other events that are not within the control of the City or the Contractor.

How will I access my property?

Construction will be completed under “road closed – local access only” conditions and primarily between the hours of 7:00 a.m. and 7:00 p.m from Monday to Friday. During this time there will be no vehicular access to driveways on the street. During off hours, vehicle access to private driveways may be possible, however due to on-going construction road conditions cannot be guaranteed to any standard and if residents choose to use the road they do so at their own risk. The City assumes no liability for damage to vehicles as the road is considered a construction zone. Although access to driveways will frequently be possible during off-hours, there is no guarantee of this at any time and there may be times when a driveway is blocked.

Residents will need to ensure that vehicles are moved out of the construction zone prior to the start of construction in the morning. During times when vehicular access to private property is completely restricted, residents will be allowed to park overnight on adjacent streets. Overnight parking permits will be issued to each resident allowing overnight parking in specified areas. Although parking may be permitted on surrounding streets, all parking restrictions outlined in the City’s Traffic and Parking By-

Law remain in effect (i.e. avoid blocking private accesses, parking in close proximity to fire hydrants, parking in signed prohibited areas).

To the maximum extent possible, the existing sidewalk will be maintained in place for access during construction. The Contractor will need to block the sidewalk at various points for the installation of service laterals. Residents without a sidewalk will need to walk in the grassed boulevard or cross the street, when and where feasible, to access the existing sidewalk.

Residents with special needs or mobility issues

If you are a resident with mobility issues or have special needs, please contact the City's project manager as soon as possible. Some accommodation for vehicle access or deliveries can frequently be made during construction, however not all situations can be easily accommodated and require pre-planning. Please contact the City's project manager as soon as possible if you have any of the following:

- Mobility issues
- Attend frequent medical appointments during the day
- Receive regular deliveries of critical medical supplies
- Have any other special needs that require accommodation

Surface landscape features existing on City property

During construction, there will be some disturbance and excavation in the boulevard. The boulevard is defined as the space between the edge of a roadway and the property line. This is to install new water and sanitary service laterals to the property line. Along Mackay Crescent, the property line is located

- Between 1.0 and 1.6 metres from the back edge of sidewalk, for those properties with a sidewalk on their side of the street
- Between 5.4 and 5.5 metres from the back edge of curb, for those properties currently without a sidewalk on their side of the street

The City's By-Law to Regulate Work on Highways and Boulevards allows for residents to alter the boulevard by planting herbaceous (i.e., non-woody) plants in the boulevard provided they are maintained at a height of less than 45 centimetres. However, the City notes that it is not responsible for the cost of reinstating these landscaped areas if they are disturbed as a result of infrastructure maintenance activities such as road and sewer rehabilitation. The City's standard for boulevard reinstatement is topsoil and sod only. Residents wishing to maintain any plantings will need to remove any plants they wish to keep prior to construction and notify the City's Project Manager of plans for reinstatement.

All non-herbaceous plants will be removed and reinstatement will be prohibited. Any landscape features that interfere with sightlines will also be removed and not reinstated. Irrigation systems are specifically prohibited; the City will not reimburse homeowners for damage to any irrigation system in the boulevard. Certain landscape features such as private retaining walls are dealt with on a case-by-

case basis. Homeowners whose properties include these features either within or abutting the boulevard should contact the City's Project Manager.

Prior to construction, any required tree maintenance will be carried out. Specifications have been developed to mitigate damage to trees during construction. The detailed design drawings presented at this information centre identify all tree removals, if required.

Will blue box, green box, and refuse collection be affected?

Blue box, green box, and refuse collection will be maintained throughout the duration of construction. When access is restricted by construction operations, residents are to put their waste out as usual. The construction crew will move all containers to a location accessible by the waste collection service on collection days. Blue boxes and green bins will then be put back in front each residence at the end of the day. To facilitate this, please ensure that all refuse is bagged (i.e., yard waste in paper bags, household garbage in plastic bags). **Please ensure that your address is clearly marked on all containers (i.e., blue boxes and green bins).**

Parcel delivery during construction

During construction, parcel delivery is frequently possible as the delivery service will have access to the sidewalk and/or boulevard during construction. However, not all parcel or delivery companies will deliver under all circumstances. For some parcel delivery companies, the decision of whether or not to deliver rests solely with the delivery person, based on safety considerations at the time of delivery. This can result in certain packages on the street being delivered and others not delivered on the same day due to different safety perceptions by the employees of the delivery companies. Residents are advised to consider these factors when ordering packages for delivery.

Internet and Telecom services during construction

In general, internet and other telecom services should not be interrupted during construction. Prior to construction, the various telecom providers will supply the Contractor with the underground locations of their infrastructure. However, this typically only includes the "main" telecommunications line on the street and not the individual service lateral lines that connect to individual homes. Based on previous experience, these service laterals can be in unexpected locations. This occasionally leads to equipment striking and severing the line.

If your internet or other telecommunications services cease functioning, please inform the Contractor on-site **and** call your service provider directly to report the issue. Although the contractor will inform the telecommunications company, it has generally been found that telecom companies are most responsive to their customers. Residents who rely on internet services for work should have a contingency plan in place in the rare event disruption to service, such as the use of cellular internet, a temporary alternate work location, or permission to access a neighbour's wifi temporarily.

Can residents upgrade their existing sanitary sewer and water services?

All water service laterals for single-detached homes within the municipal right-of-way will be replaced with 25-mm-diameter polyethylene pipe from the watermain to the **property line** and all sanitary service laterals within the municipal right-of-way will be replaced with 100-mm-diameter PVC pipe from the sewer main to the **property line**. Should the property owner wish to further increase the size of their

water or sanitary service lateral within the municipal right-of-way, the City will cover the base cost for the above-noted service lateral sizes and the remaining cost will be borne by the property owner. Please contact the City's Project Manager for additional details.

Where "black pipe" sanitary service laterals are encountered, the sanitary service lateral will be replaced to the front of the house/building at City cost. Further information on "black pipe" is provided in a following section.

Any property owner with wishing to have a larger-sized sanitary service lateral installed on their private property will be responsible for either paying the premium cost to upgrade the pipe size if the existing service is black pipe or performing this work at their own expense following the completion of construction if the existing service is not black pipe or if they wish to increase the size of their water service lateral. Prior to completing this work, the property owner must obtain a permit under the Plumbing Code from the City's Building department.

Will sanitary sewer and water services be interrupted?

Sewer and water service will be generally maintained throughout the duration of construction. However, short interruptions can be expected, particularly when the services to individual properties are transferred from existing mains to new mains or during the commissioning of the temporary watermain that will supply water during the reconstruction. In the majority of cases, interruptions will be limited to several hours and will occur during normal working hours. Advance notification will be provided prior to any planned service interruption. If special requirements for these services are required, it is important that the City be contacted at the outset of construction so that advance arrangements can be made to attempt to schedule interruptions accordingly.

A temporary water supply will be provided if water service is disrupted for more than 24 hours. Generally, the temporary watermain is laid above the ground along the boulevard with temporary ramping for vehicles at driveways, and is connected to the building at the hose bib. The Contractor will require access to your property and into your home to provide the temporary connection.

How will disruptions be minimized?

It is critical to the City of Waterloo that construction is completed while minimizing disruption to the neighbourhood. By nature, road reconstruction and sewer replacement is disruptive and at times will create noise, vibration due to compaction, and the potential for dust. To mitigate dust during construction, water and calcium chloride are periodically placed. Construction activities are typically limited to the hours of 7:00 a.m. to 7:00 p.m.

What are Black Pipe Sanitary Service Laterals and why are they to be replaced?

Up until the 1970's, a type of pipe frequently referred to as "black pipe" was used to connect individual homes to the sanitary sewer on the street. These "black pipes" were made of bituminized fibrous material—essentially wood pulp and tar pressed together. These pipes easily absorb moisture and can begin to fail long before their estimated lifespan has elapsed. Typically, the homeowner is responsible for replacing sewer and water service laterals within their property. However, the City of Waterloo has implemented a program to replace black pipe laterals at no cost to the homeowner.

Currently, it is expected that all sanitary service laterals on Mackay Crescent were originally installed using black pipe and that the majority of service laterals have not been replaced. Prior to construction, the City will complete video inspection of all the sanitary laterals to determine which homes require replacement of black pipe service laterals from the sewer to the face of the home. Homes with black pipe service laterals will be contacted by the Contractor at the start of construction to arrange for replacement of the laterals. Most laterals can be replaced without digging up the entire front yard of a residence; however, a small excavation will need to be made near the home where the sanitary service lateral is located. On occasion, the black pipe can be replaced without any excavation at the building face if suitable access to the basement is provided.

If the work impacts any private landscaping such as planting beds or patios, the City will replace all disturbed features to pre-construction conditions or better at no cost to the homeowner. With respect to landscape plantings, the City can only replace stock that is typically available at local greenhouses. If any plantings in the area to be disturbed are rare or meaningful to the homeowner, it is advised that these are removed prior to service lateral replacement and reinstated only when the work is fully complete. Trees and shrubs will be replaced; however, the replacement trees and shrubs may not be as large as those which were removed.

Homeowners are advised that timely coordination with the Contractor is vital. When contacted by the Contractor to arrange for an inspection of the interior of your home and to schedule a date for replacement, please respond as promptly as possible. Your cooperation will help ensure that delays to the overall road reconstruction project are avoided.

The black pipe replacement program is a courtesy currently provided by the City of Waterloo; homeowners are not obligated to accept the black pipe replacement. Should you be contacted to arrange to have your black pipe service lateral replaced, you may choose to decline; however, the City will require that residents who decline sign a waiver. Residents are advised that the proactive replacement of black pipe service laterals may help avoid potential property damage and disruption should the service collapse in the future and require emergency replacement.

It should be noted that City Council has elected to discontinue the black pipe replacement program. If residents refuse the replacement of their black pipe, residents will assume the full cost of replacing the black pipe and restoring any landscape or hardscape features should their service lateral collapse in the future.

How can I voice my comments?

Comments and questions can be submitted on Engage Waterloo, or submitted in writing or via fax by filling out the comment sheet on the following page and delivering it to the Integrated Planning and Public Works desk on the 2nd floor of Waterloo City Centre.



Virtual Public Information Centre