

Queensway Terrace Storm Sewer Rehabilitation Project

Virtual Information Session
Project Update
November 4, 2021



Welcome

Welcome to the Virtual Information Session for the Queensway Terrace Storm Sewer Rehabilitation Project.

The purpose of this online engagement opportunity:

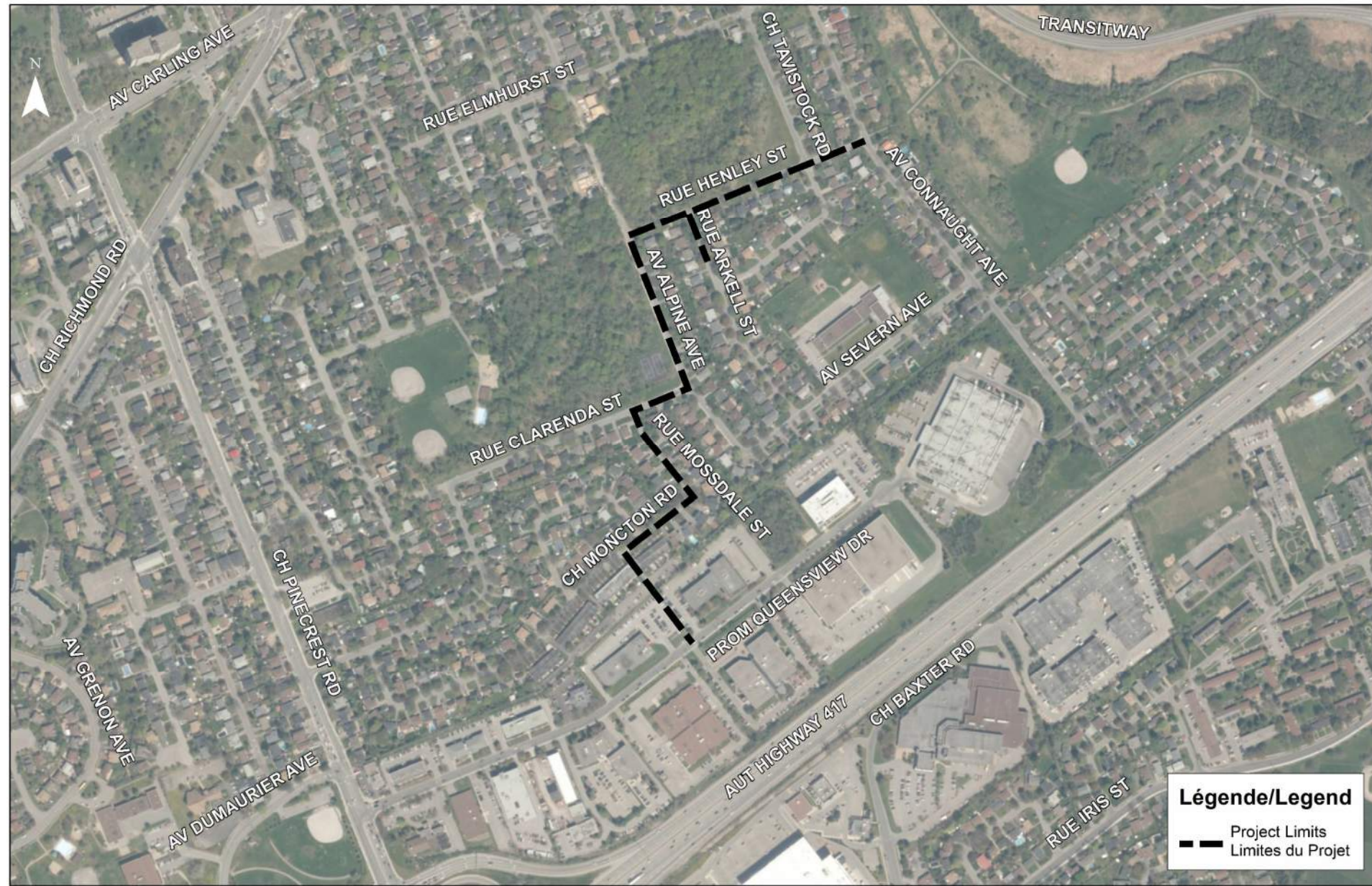
- Provide residents with a general update on current construction activities.
- Provide more information on claims process in the event construction activities cause damage to private property.
- Matters related to ongoing claims or new damage claims at specific properties will not be discussed.

If you have any questions regarding the project, please contact the City **Project Manager, Kevin Gibbs**, as noted on the last page of this document.

Public Communications

- Project Web Site
<https://ottawa.ca/en/city-hall/public-engagement/projects/queensway-terrace-storm-sewer-rehabilitation>
- June 2017: Geotechnical Investigation Notice
- July 2019: Utility Investigation Notice
- November 20, 2019: Public Information Session No. 1 to present the preliminary design.
- September 16, 2020: Special Meeting with Residents in the vicinity of the deep sewer work
- October 2020: Additional Geotechnical Investigation Notice
- March 2020: Advance Tree Removal Notice
- April 9, 2021: Public Information Session No. 2 to provide update before construction
- May 2021: Construction Notice
- June 2021: Pre-construction inspection notices from Blastek (third party firm hired by the Contractor to conduct inspections before construction)
- July 2021: Blasting Notice from Contractor

Project Limits

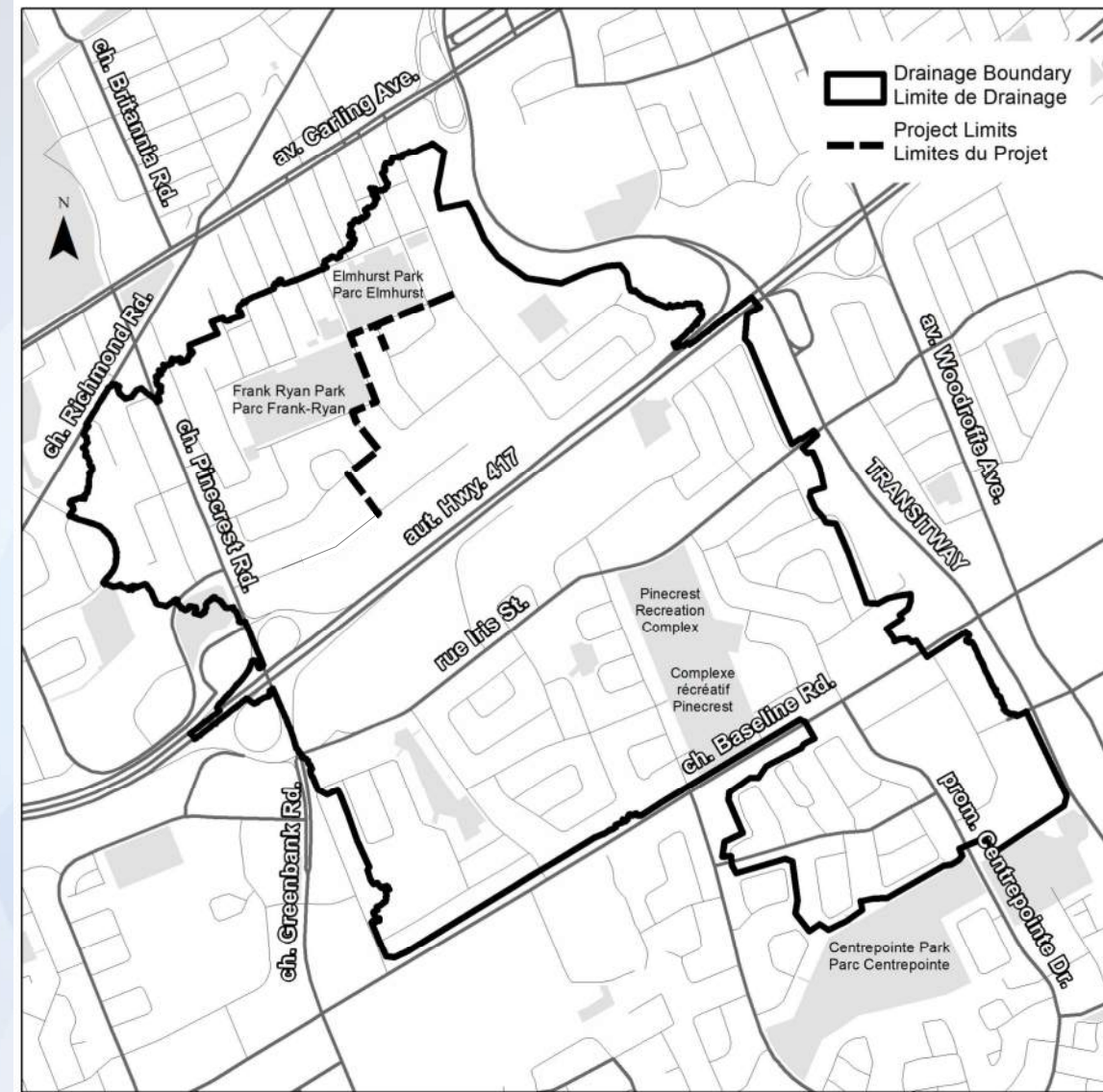


Project Overview

- Replacement of the trunk storm sewer on Moncton Road, Mossdale Street, Clarendon Street, Alpine Avenue and Henley Street.
- Realignment of a section of trunk storm and sanitary sewer along sections of Alpine Avenue and Henley Street.
- Replacement of the trunk storm and sanitary sewers on Arkell Street from Henley Street to 942/943 Arkell Street with new local sewers.
- Abandonment of the existing trunk storm and sanitary sewers located within an easement that runs between 943/937 Alpine Avenue and 942/948 Arkell Street.
- Replacement of select sanitary sewers and watermain as well as house service laterals impacted by the trunk sewer replacement.
- Reinstatement of the roadway, grassed boulevard and affected landscaped areas once the underground work is completed.
- Construction of new sidewalk on north side of Henley Street and narrowing of northeast corner of the Alpine/Henley intersection.
- Planting of new trees to compensate for existing trees that must be removed to allow for the trunk storm sewer replacement.

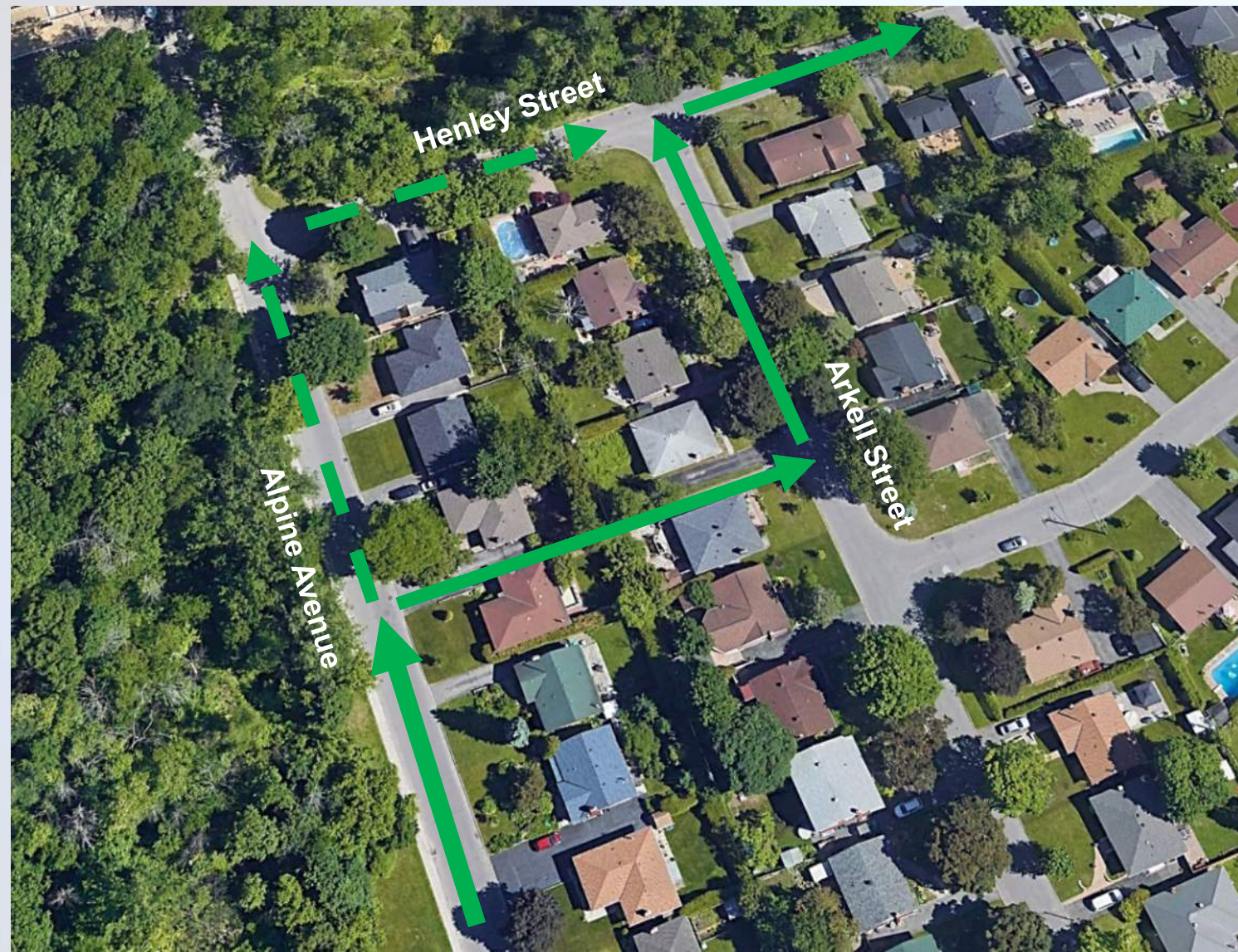
Why This Project is Important?

- The existing trunk storm sewer that weaves through the Queensway Terrace North community is in poor condition and needs to be proactively replaced. This critical piece of City infrastructure conveys storm runoff from a large area. A trunk sanitary sewer running parallel to the trunk storm sewer is in good condition and does not need to be replaced.
- To improve the overall performance of the storm sewer system, the existing trunk storm sewer is to be replaced with a larger pipe.



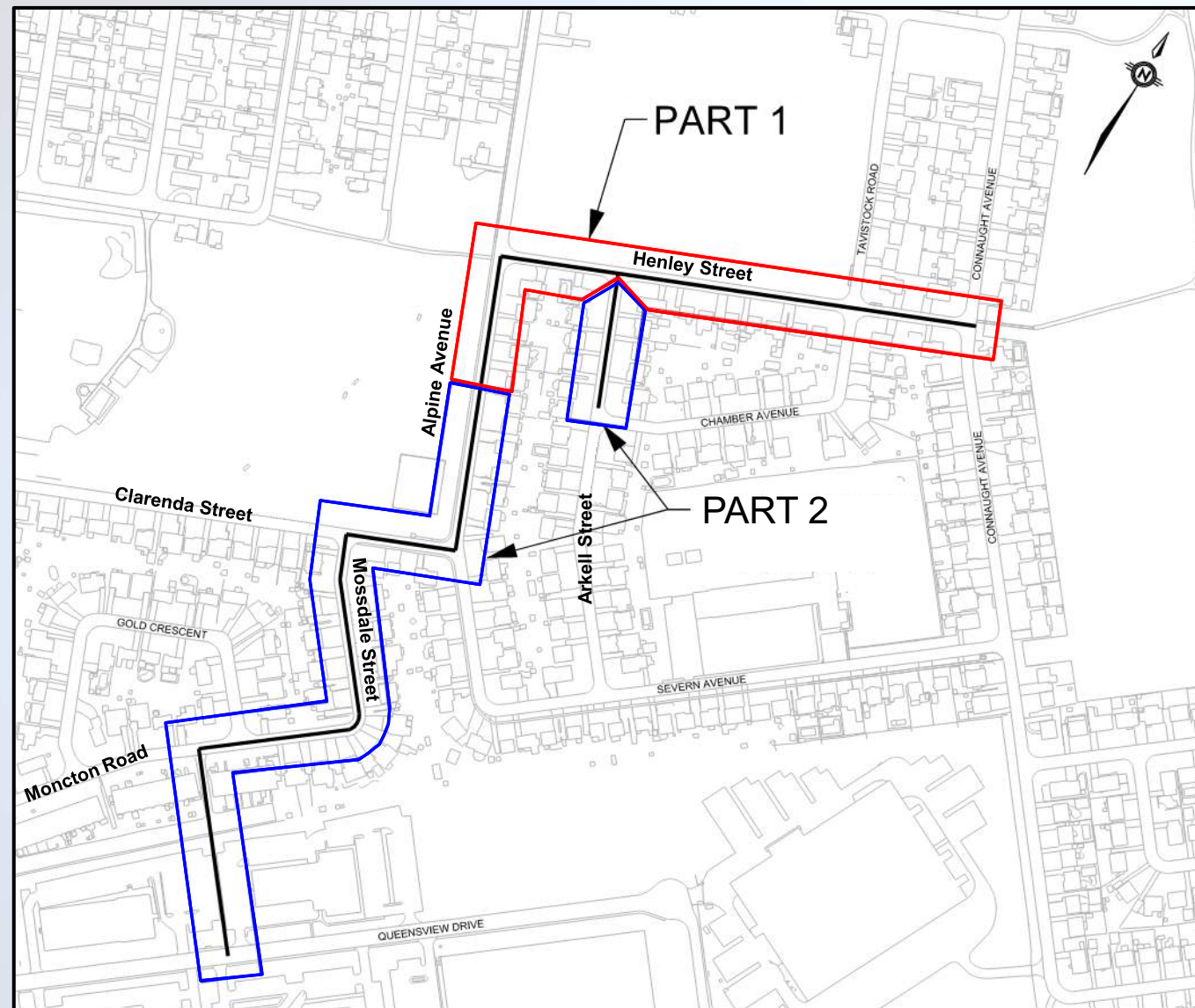
Deep Sewers - Alpine/Henley

- There is a section of trunk storm and sanitary sewer located within an easement that runs between 943/937 Alpine Avenue and 942/948 Arkell Street. The trunk storm sewer cannot be replaced in its current location. Therefore, the City will realign both the trunk storm and sanitary sewers north on Alpine Avenue, then east on Henley Street.
- Due to local topography, excavation for the realigned sewers will be deep.



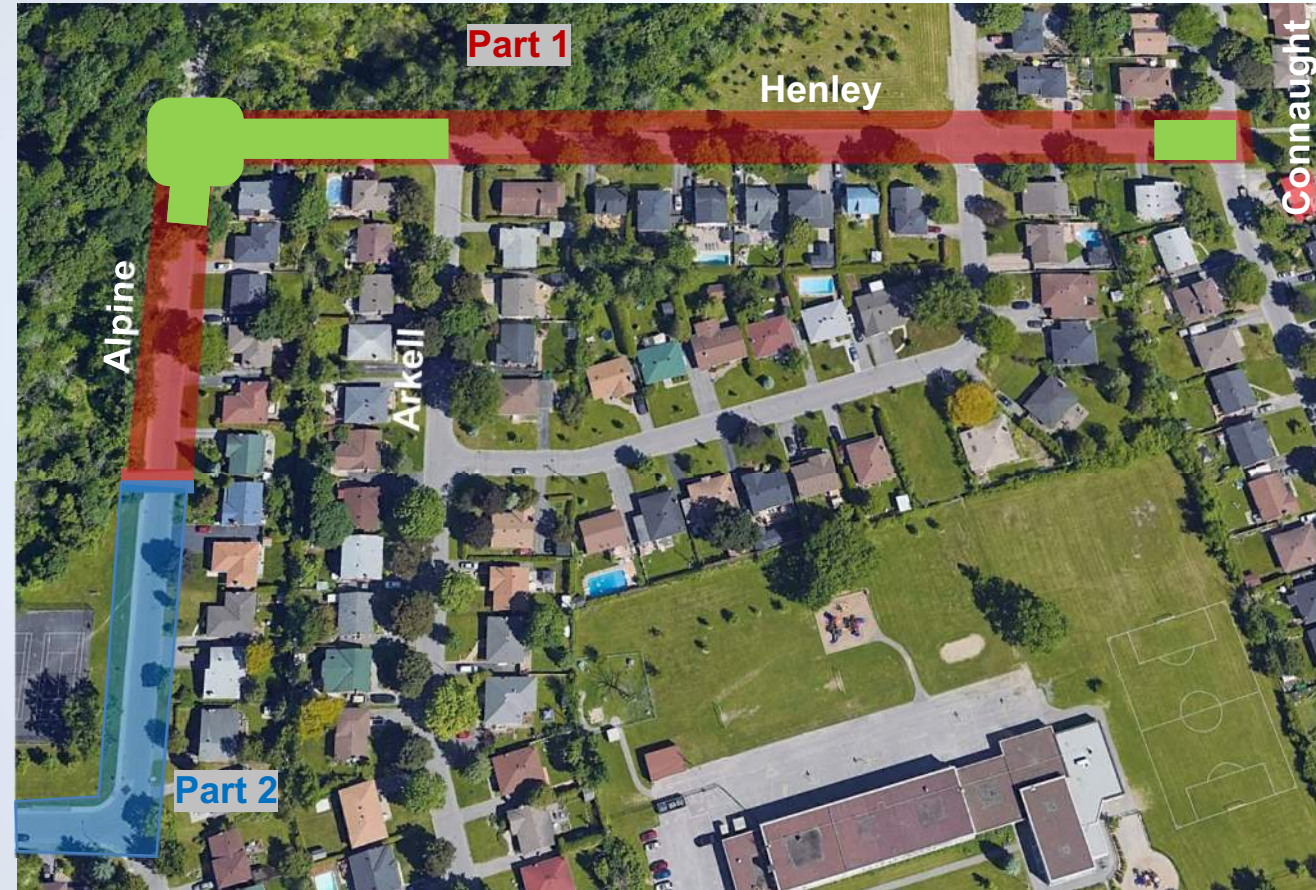
Overall Schedule

- Construction will take place from 2021 to 2023.
- The project has been split into two parts:
 - Part 1 construction in 2021/2022
 - Part 2 construction in 2022/2023
(subject to funding approval)

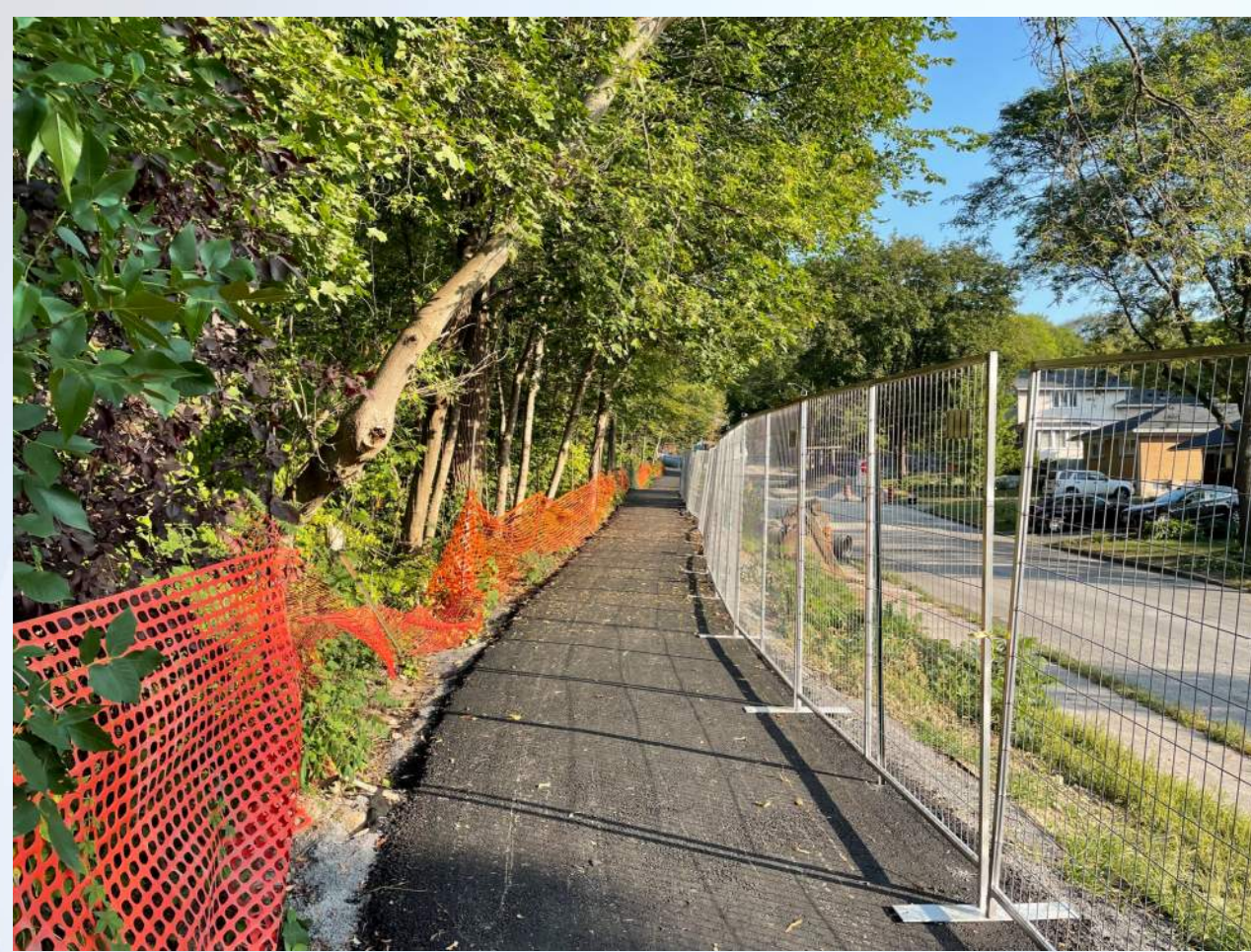


Status of Current Work

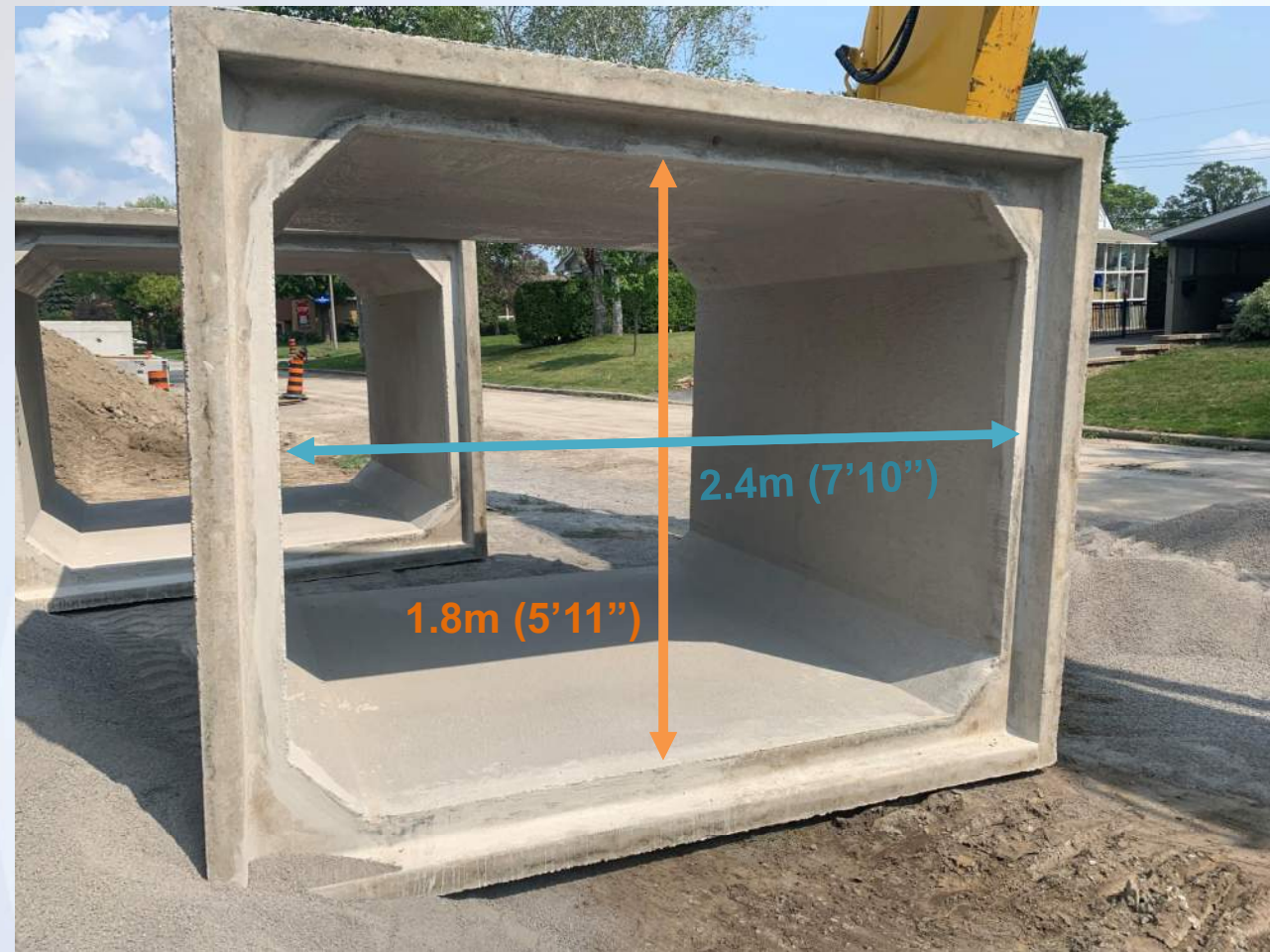
- Deep storm and sanitary sewers have been installed on Henley Street from Arkell Avenue to Alpine Avenue.
- Deep sewer infrastructure within the Alpine/Henley intersection has been installed. Some smaller local sewer connections still need to be installed.
- Contractor is actively installing the deep trunk sewers on Alpine Avenue.
- Contractor is mobilizing another crew to start installing the trunk storm sewer on Henley Street between Connaught Avenue and Arkell Avenue.



Construction Photos



Construction Photos



Construction Photos



Construction Photos



Construction Photos



Construction Photos



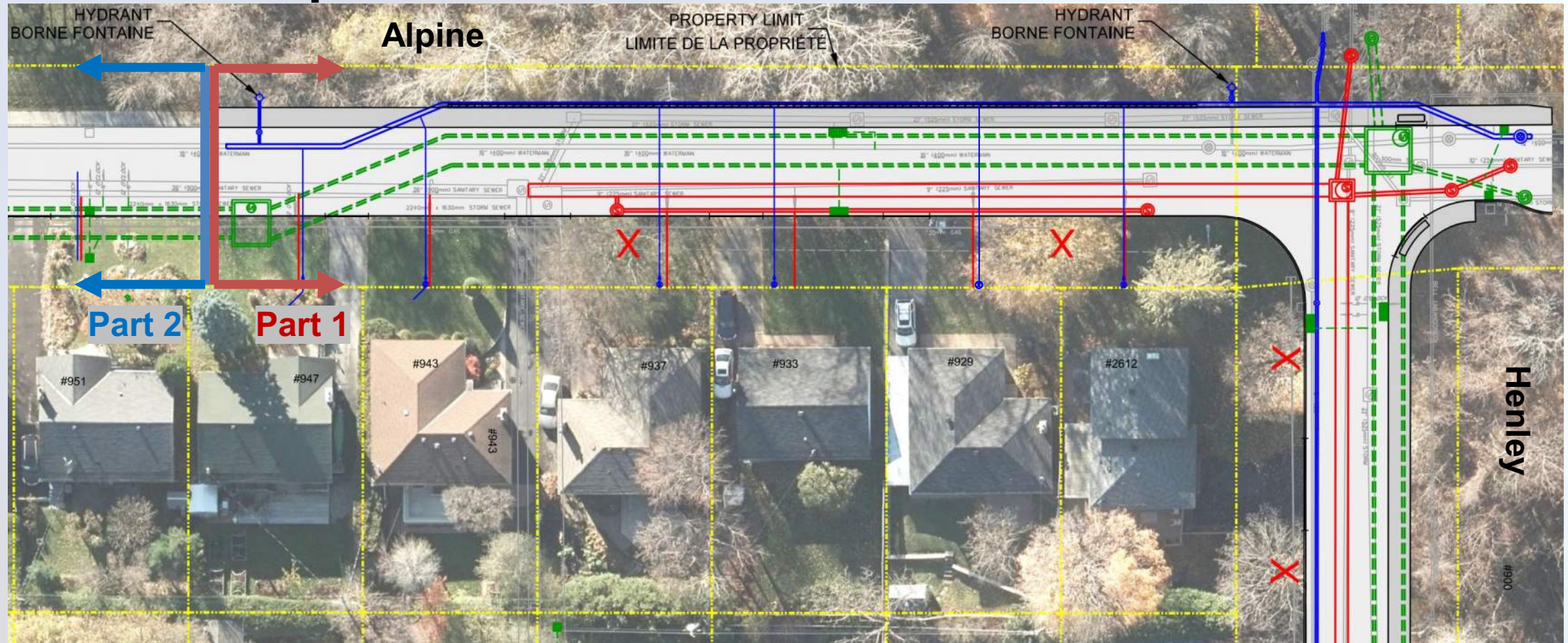
Construction Photos



Next Steps for 2021 Construction

- Installation of the deep sewers on Henley Street and Alpine Avenue requires removal of a significant amount of rock. Initially, rock was excavated by a combination of blasting and mechanical hoe-ramming.
- The Contractor has since ceased blasting and no further blasting is planned for the project. Any further rock removal will be completed by a combination of line drilling and mechanical hoe-ramming.
- The change in rock excavation methodology will result in construction of the deep sewers taking longer.
- Construction of the deep sewers began in early August and has been ongoing for the last 3 months.
- At least another 1 ½ months is necessary to complete the deep sewer work on Alpine Avenue.

Next Steps for 2021 Construction



Next Steps for 2021 Construction

- Early December 2021: Completion of deep sewers and watermain construction.
- Mid-December 2021: Completion of services to residences within deep sewer limits.
- Mid-December 2021: Reinstatement of driveways impacted by construction with temporary asphalt.
- Mid/Late December 2021: Commissioning of new watermains and removal of temporary water.
- Reinstatement of the road and paving of base course asphalt will take place in December 2021 before winter shutdown.
- Reinstatement of concrete curbs and construction of the new sidewalk on the north side of Henley will not take place until spring/summer of 2022.
- The existing sidewalk on Alpine Avenue will be reinstated with temporary asphalt until the permanent concrete sidewalk is installed next year.
- Driveways impacted by construction will be reinstated with temporary asphalt for the winter.
- Contractor will need to work Saturdays, weather permitting.
- Contractor has advised that replacement of the trunk storm sewer on Henley between Tavistock and Arkell may continue into the winter.

Next Steps for 2021 Construction

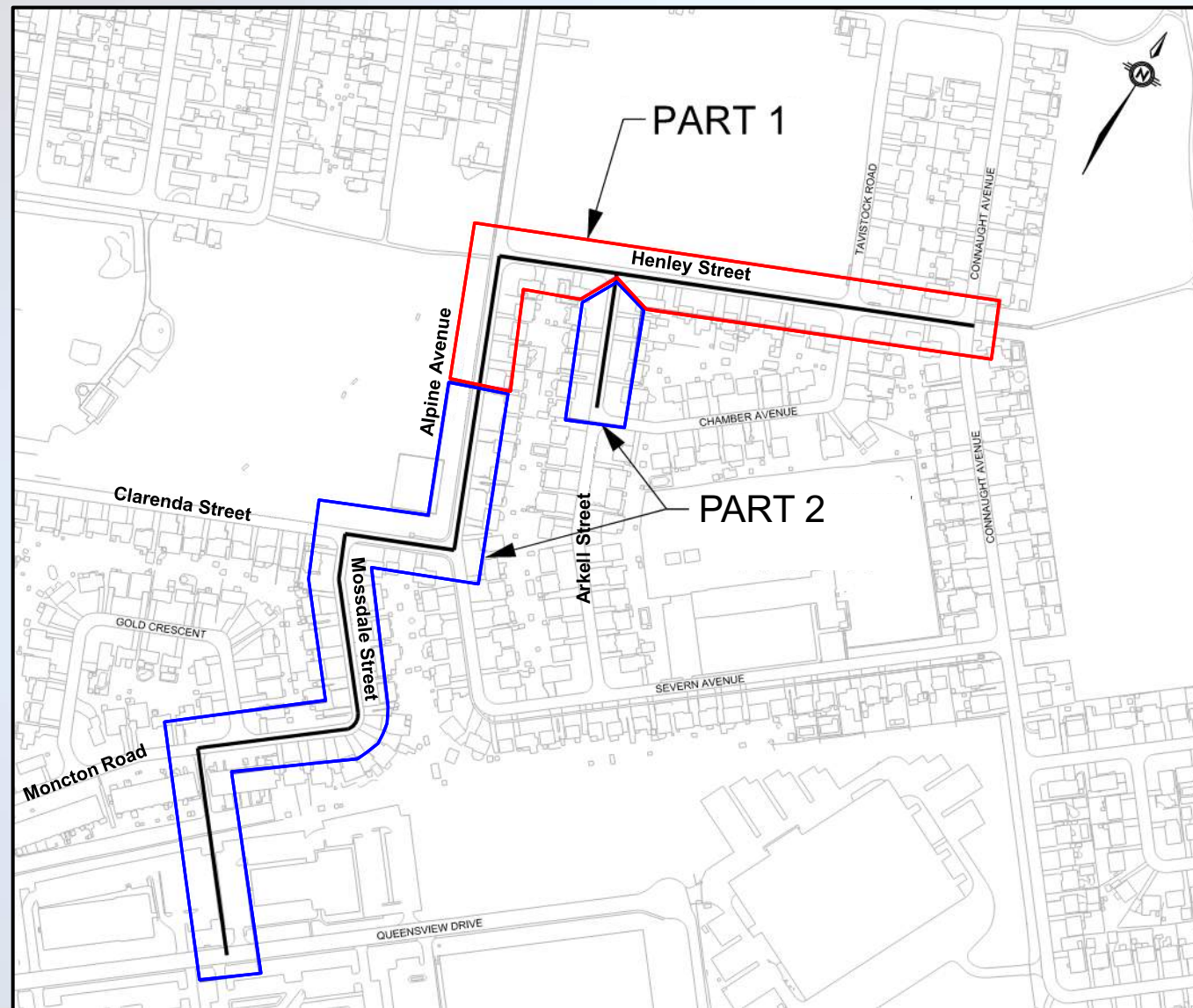
- Being later in the season, freezing temperatures are expected. The Contractor will, therefore, be taking measures to protect temporary water services from freezing.
- As an added precaution, residents currently connected to the temporary water system will be asked to leave a cold water tap running continuously (especially overnight). There will be no additional cost to residents for the increased water consumption.
- The Contractor will be responsible for clearing snow within the road allowance in the active construction area. Once the road is paved and construction shuts down for the winter, the City will resume snow clearing operations.

Schedule for Remaining Works

- Spring/Summer/Fall 2022

- Part 1 Limits (finishing work):
 - Wear course asphalt, permanent driveway paving, and concrete work.
 - Landscaping reinstatement.
- Part 2 Limits:
 - Underground work on remaining section of Alpine, Clarendon, Mossdale, Moncton, Queensview-Moncton easement, and Arkell.
 - Reinstatement up to base course asphalt.
 - Wear course asphalt and outstanding landscaping in spring/summer of 2023

- City notices will be distributed to residents in spring of 2022 prior to construction resuming construction.



What to Expect During Construction

- During Construction, there will be some inevitable disruptions in the neighbourhood that will be experienced. Below are some examples of the impacts with a summary of the Mitigation Strategies.

TEMPORARY CONDITIONS	MITIGATION STRATEGY
Localized temporary road closures	Temporary detours will be in place and local access will be maintained
Intermittent temporary limited access to driveways	In the event driveway access is restricted due to construction activities, the project team will provide further information.
Pedestrian Access	<p>The contractor must maintain pedestrian access through the project limits.</p> <p>A temporary asphalt sidewalk was constructed on the west side of Alpine Avenue around the deep sewer work at Alpine/Henley to maintain pedestrian access to Carling Avenue</p>

What to Expect During Construction

TEMPORARY CONDITIONS	MITIGATION STRATEGY
Construction Noise (including rock excavation)	For construction activity hours of work, the City of Ottawa follows provincial requirements and the City's Noise By-law (2017-255).
Dust	<p>Water and/or calcium chloride will be used to reduce dust throughout the immediate project limits.</p> <p>Sweeper/Flusher trucks will be used to reduce dust on the roads directly adjacent to the project limits.</p>

What to Expect During Construction

TEMPORARY CONDITIONS	MITIGATION STRATEGY
Construction induced vibrations	<p>You may feel vibrations due to construction operations. Vibrations from construction activities are quite common and rarely cause any problems.</p> <p>The Contractor has carried out interior/exterior pre-construction inspections of homes in the work area, if the homeowner was in agreement.</p> <p>The Contractor may also request consent to install vibration monitoring equipment at some homes.</p>
On-street parking will be restricted within the project limits during construction	<p>Parking may be permitted within the project limits in areas where there is no active construction.</p> <p>Additional On-Street parking will also be available outside the project limits.</p>

What to Expect During Construction

TEMPORARY CONDITIONS	MITIGATION STRATEGY
Brief water interruptions / Temporary water services	<p>To accommodate construction, water will need to be supplied to some homes by temporary water lines.</p> <p>Notices will be delivered in advance of planned water interruptions with details on the duration of the water interruption</p>
Trucks will be required to access the site to remove excavated material, deliver material and equipment to site, and support the active construction operation.	Truck routes will be identified by the Contractor. These routes may change as the construction operation progresses through the neighbourhood.

Contractor Insurance Requirements

- As part of this Contract, the Contractor is assuming full responsibility for the construction work until it is entirely complete as well as any damages to private property resulting from these construction activities.
- Under the Contract, the Contractor (C.A.C.E. Construction (1991) Limited) is required to carry insurance in the amount of \$5M. This is a standard insurance requirement on these types of infrastructure renewal projects.

Contractual Clauses for Property Damages by Contractors

- If Contractors providing services to the City cause damage to others while carrying out their work:
 - The City's Contracts require the contractors to deal with these claims directly.
 - Similar type of standard contractual clause as the ones used by the City of Toronto and many Canadian municipalities.
 - The rationale behind such indemnification provisions: The contractors have control over, and responsibility for, their staff and activities and, therefore, should accept liability for any damage arising from the negligence of their staff or their negligent activities.

Contractual Clauses for Property Damages by Contractors

- In Ottawa, staff do not generally have access to sufficient information to properly review claims arising from the activities of private contractors.
- Basic principles of fairness require that private contractors must also be allowed the opportunity to investigate and respond to claims that are based on allegations of negligence on their part.
- For these reasons, the City's claims investigators will continue to refer claims to private contractors and their insurers.
- This arrangement protects taxpayers from having to pay claims for which they are not responsible, and also ensures that the City can claim the advantage of its right of contractual indemnification, without potentially prejudicing that right by intervening in the claims adjustment process. It is for these reasons that the City's standard process is to require that claims be addressed between the contractor responsible and the claimant, directly.

What to do if you notice damage to your property?

- Gather records/information, such as:
 - Pictures
 - Measurements
 - Estimates
 - Invoices for any costs incurred
- You can request the pre-construction inspection records from the third-party engineering firm (Blastek) who conducted the pre-construction inspection.
- You can submit a claim to the Contractor using your records as indicated above.
- It may be advisable to reach out to your home insurance company to inform them of the events, even if you do not intend to claim.

Claim Process

- If you believe that you have been injured or that your property has been damaged by a contractor working for the City, you have two avenues to make a claim.
 - You can make your claim directly to the contractor.
 - You can send your claim to the City's Claims Unit (<https://ottawa.ca/en/3-1-1/report-or-request/claims-city>).
- If you file your claim through the City :
 - The Claims Unit will forward the claim to that contractor, so that it can be investigated.
 - The Claims Unit will let you know that the claim has been turned over to the contractor.
 - The private contractor should be in touch with you in a few days to let you know that they have received the claim and to provide you with the name of a contact person.
 - If you do not hear from the private contractor, please let the Claims Unit know and the City's Claims Unit will help to identify the private contractor's contact person.

Claim Process

- If you file your claim through the Contractor:
 - The private contractor should be in touch with you in a few days to let you know that they have received the claim and to provide you with the name of a contact person.
 - If you do not hear from the private contractor, please let the City know and the City will help to identify the private contractor's contact person.

Claim Process

- The private contractor will conduct an investigation and make a decision regarding your claim.
- If the contractor determines that it is legally responsible for your loss, it will resolve the claim directly with you.
- If the private contractor determines that it is not legally liable for the damage or loss, your claim will likely be denied.
 - If you disagree with the contractor's decision, you can contact the City's Claims Unit to help better understand the basis on which the claim might have been denied, although the City cannot intervene directly on your behalf.
- The contact information for the Contractor is below:

Paul Lemire, Project manager
C.A.C.E. Construction (1991) Ltd.
5360 Bank St. Ottawa ON K1X 1H1
613-822-6817 (office)
613-822-7970 (FAX)
paul@cacecon.com

Thank You

Thank you for attending the information session.

If you have any questions, please contact:

City Project Manager

Kevin Gibbs, P. Eng.

Senior Engineer, Infrastructure Projects

City of Ottawa

100 Constellation Drive Ottawa, ON K2G 6J8

Email: Kevin.Gibbs@ottawa.ca

Tel: 613-580-2424, ext. 16633