

Committee of the Whole (2) Report

DATE: Tuesday, June 18, 2024

WARD(S): 4

TITLE: ROAD CLOSURE – BLOCK 18 PETER RUPERT AVE, GRAND TRUNK AVE, AND MURET CRES SERVICING CONSTRUCTION

FROM:

Vince Musacchio, Deputy City Manager, Infrastructure Development

ACTION: DECISION

Purpose

This report is to seek council approval for temporary road closures to allow for the installation of vital infrastructure to support the development of residential homes in vacant blocks within Block 18.

Report Highlights

- Request the proposal for a temporary road closure on Peter Rupert Avenue, between Rutherford Road and Maple Valley Road from August 16th to August 30th, 2024, to facilitate the installation of new sanitary sewers.
- Request the proposal for a three staged temporary road closure on Muret Crescent and Grand Trunk Avenue to construct or replace storm and sanitary pipes in order to support the proposed residential development on Feversham Court and Muret Crescent.
- First closure phase to take place on Muret Crescent, between Grand Trunk Avenue and Savona Place from July 2nd to July 23rd, 2024.
- Second closure phase to take place on Grand Trunk Avenue, between Barletta Drive and Sand Valley Road from July 24th to July 31st, 2024.
- Third closure phase to take place on Grand Trunk Avenue, between Sand Valley Road and 100m north of Sand Valley Road from August 1st to August 15th, 2024.

Recommendations

1. That the temporary road closures for the above-mentioned work be approved.
2. That the necessary by-law be enacted authorizing the temporary road closure of Peter Rupert Avenue for the period from August 16th to August 30th, 2024.
3. That the necessary by-law be enacted authorizing the three phased temporary road closure of Grand Trunk Avenue and Muret Crescent for July 2nd to July 23rd, 2024, July 24th to July 31st and August 1st to August 15th, 2024.

Background

This report is to provide information regarding the proposal for a temporary road closure on Peter Rupert Avenue, between Rutherford Road and Maple Valley Road. The closure will take place for two weeks, from August 16th to August 30th, 2024, to facilitate the installation of new sanitary sewers required to service the proposed townhouse development to the vacant block to the west north of the pond.

In addition to the above closure request, the following three staged temporary road closure on Muret Crescent and Grand Trunk Avenue is also being proposed. The purpose of this closure is to construct or replace storm and sanitary pipes to support the proposed residential development on Feversham Court and Muret Crescent. The first phase of this closure will take place on Muret Crescent, between Grand Trunk and Savona Place. This closure will take place for 2 weeks, from July 2nd to July 23rd, 2024. The second phase of the road closure will take place on Grand Trunk Avenue, between Barletta Drive and Sand Valley Road and will take place for 1 week, from July 24th to July 31st, 2024. Lastly, the third phase of the temporary road closure will take place on Grand Trunk Avenue, between Sand Valley Road and 100m north of Sand Valley Road. This phase will take place for 2 weeks, from August 1st to August 15th, 2024.

The following is a summary of relevant information to the projects:

1. A temporary road closure on Peter Rupert Avenue at the intersection of Peter Rupert Avenue and Warbler Avenue to facilitate the installation of new Sanitary Sewer within the intersection Peter Rupert Avenue and Warbler Avenue into the extension of Warbler Avenue. The closure of Peter Rupert Avenue will be from August 16th to August 30th, 2024.
 - The purpose of the road closure is to complete the installation of new sanitary sewers and watermain within the intersection Peter Rupert Avenue and Warbler Avenue into the extension of Warbler Avenue to support future development. Refer to Attachment 1 for the Traffic Control Plan and Attachment 6 for the Road Closure Communication Plan.

2. A temporary road closure will be required on Muret Crescent and Grand Trunk Avenue to construct watermain storm and sanitary pipes on Muret Crescent and Grand Trunk Avenue.
 - This work is to support the proposed residential development on the new proposed Feversham Court off Muret Crescent. New service connections and sidewalk construction will also be required along Muret Crescent and Grand Trunk Avenue along the frontages of the proposed development.
 - Please note that the road closure is proposed to occur in a phased manner. Refer to Attachments 2 to 4 for the Traffic Control Plans and Attachment 5 for the Road Closure Communication Plan. Each phase includes multiple stages to limit the extent of the closure area at any given time and to provide access to existing driveways for current residents. A typical temporary pedestrian access detail is also provided on the traffic control plans to provide pedestrian access for lots where driveways will be temporarily inaccessible during construction works. This fenced off work area with pedestrian access walkway will be relocated along the work area as the work progresses along the noted roadways.
 - In order to carry out construction in a safe and timely manner a three phased closure is proposed, first phase on Muret Crescent, between Grand Trunk Avenue and Savona Place from July 2nd to July 23rd 2024, second phase on Grand Trunk Avenue, between Barletta Drive and Sand Valley Road from July 24th to July 31st 2024, and the third phase on Grand Trunk Avenue, between Sand Valley Road and 100m north of Sand Valley Road from August 1st to August 15th 2024.

Previous Reports/Authority

N/A

Analysis and Options

Due to the extent of the proposed construction works, the subject roads are required to be temporarily closed. The following will be implemented for the subject road closures.

Traffic Management Plan and Signage

- Please see Attachment 1 to 4 for details on the Traffic Management Plans.
- The general contractor will assume responsibility for supplying and installing all signage and ensure work is done in accordance with the Ontario Traffic Manual Book 7.
- Road closure signage will be installed as per the traffic management plan.
- Advance signage for the temporary road closure will be deployed in the area advising of the upcoming temporary road closure.

- Residents impacted will be notified of the upcoming road closure and requested to use detour route to access through the area.
- Emergency services as well as waste collection services will have access through the closure area.
- School bus services will be informed to use the detour route to navigate through the area.

Communication

- Please see Attachments 5 and 6 for the Road Closure Communication Plans.
- Notifications will be provided to area residents.
- Notifications will be provided to all city & emergency services, including Vaughan Fire and Rescue, Ambulance, Police Services and Waste Collection Services.
- Project construction signage will be installed in the construction area.
- A notification will be posted on the City's Disruption and Closures webpage.

Necessity of Closures

- The road closure is requested to safely complete the noted works.
- The depth of excavation required to accommodate the installation of these sewer structures will render the roads impassable during construction. Based on the engineering design, a partial closure of the roadways is not possible, and thus, a full closure is requested to ensure safe installation/construction practices.
- The temporary road closure is required to facilitate construction in a safe, efficient, and timely manner as well as to avoid any conflicts with underground infrastructure while using heavy machinery to complete the work.

Financial Impact

There is no financial impact to the City as all costs associated with the proposed road closures will be borne by the applicants.

Operational Impacts

Consultation has taken place with Transportation and Fleet Management Services. The roads will necessitate detours, of which traffic management, signage and communication plans have been developed and will be maintained throughout the temporary closure.

Broader Regional Impacts/Considerations

The proposed road closure and traffic management plan will be coordinated with York Region including any applicable permits by the applicants.

Conclusion

In the interest of public and workers' safety and to facilitate ongoing development in the City, temporary road closures for the above-mentioned work is recommended.

If you have any questions about the proposed construction work, please contact Eric Vonk, Manager, Development Inspection and Grading, Development Engineering Department at eric.vonk@vaughan.ca.

Attachments

1. Traffic Control Plan - Peter Rupert Ave
2. Traffic Control Plan - Phase 1 - Muret Cres
3. Traffic Control Plan - Phase 2 - Grand Trunk Ave
4. Traffic Control Plan - Phase 3 - Grand Trunk Ave
5. Road Closure Communication Plan - Block 18 - Grand Trunk and Muret Cres
6. Road Closure Communication Plan - Block 18 - Peter Rupert Ave

Prepared by

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