

## **CITY OF VAUGHAN**

### **EXTRACT FROM COUNCIL MEETING MINUTES OF MARCH 20, 2018**

Item 5, Report No. 10, of the Committee of the Whole, which was adopted without amendment by the Council of the City of Vaughan on March 20, 2018.

#### **5            REQUEST FOR CONSTRUCTION NOISE EXEMPTION               CITY OF VAUGHAN WATERMAIN REPLACEMENT               MAJOR MACKENZIE DRIVE FROM JANE STREET TO KEELE STREET**

**The Committee of the Whole recommends approval of the recommendation contained in the following report of the Deputy City Manager, Community Services, dated March 6, 2018:**

#### **Purpose**

This report seeks Council approval for a noise exemption to By-law 96-2006, as amended, for City of Vaughan Infrastructure Delivery Project No. 18-01RW to replace a watermain on Major Mackenzie Drive, from Jane Street to Keele Street, for the period of April 1, 2018 through to November 30, 2018.

#### **Recommendations**

1. That City staff and the construction supervisor, be granted a noise exemption, in accordance with the City's Noise Control By-law 96-2006, as amended, for the purposes of watermain replacement on Major Mackenzie Drive from Jane Street to Keele Street, for the period of April 1, 2018 through to November 30, 2018 allowing a 24-hour work period; and
2. That this request for exemption be granted with the following conditions for City staff and the construction supervisor:
  - a. That construction communication notices be sent to surrounding residents and business owners within a 60-metre radius, in keeping with City standards, advising them of the impending work;
  - b. That the construction communication notices to residents, and businesses include contact information for City staff and the construction supervisor;
  - c. That the City staff and the construction supervisor monitor and investigate any complaints regarding construction noise;
  - d. That City staff and the construction supervisor take measures to minimize any unnecessary noise, including but not limited to idling of construction vehicles, unnecessary revving of engines, use of airbrakes, and to maintain equipment in good working order (including muffling devices) to minimize noise impacts; and
  - e. That no construction take place on Statutory Holidays.

## CITY OF VAUGHAN

### **EXTRACT FROM COUNCIL MEETING MINUTES OF MARCH 20, 2018**

Item 5, CW Report No. 10 – Page 2

#### **Report Highlights**

- As part of its commitment to invest and renew its infrastructure, the City is replacing an aging watermain along Major Mackenzie Drive, between Jane and Keele Streets.
- In order to minimize disruptions to traffic and mitigate the impact of water shut-offs, there needs to be an ability to schedule work during off-peak hours, including overnight.
- Since the nature of the work can create significant noise levels, staff are recommending the approval of a noise exemption for the period of the work.

#### **Background**

##### ***Legislation***

The City of Vaughan's Noise Control By-law No. 96-2006, as amended, prohibits noise created from the use of "construction equipment" as defined, between the hours of 7:00 pm of one day to 7:00 am the following day and on Sundays and statutory holidays.

Any noise created by construction activity during these prescribed hours requires an exemption to the provisions of the By-law. Exemption requests for construction noise are governed by the By-law provisions of Section 19, Exemption – Construction.

##### ***Watermain replacement***

As part of the City's commitment to maintaining a safe and reliable drinking water distribution network, the replacement of the aging watermain on Major Mackenzie Drive will ensure continued uninterrupted supply of high quality potable water to all residential, industrial, commercial and institutional customers.

In February of this year, the City is planning to issue a tender for Infrastructure Delivery Project No. 18-01RW to retain a qualified Contractor to complete the construction of the watermain replacement on Major Mackenzie Drive from Jane Street to Keele Street, between the months of April to November 2018.

This section of the roadway has many commercial and mixed-use properties which will be impacted. This project will entail horizontal directional drilling and conventional open cut excavation, utilizing heavy construction equipment including excavators, loaders and dump trucks. Watermain replacement is expected to produce noise levels which average in the range of 90 decibels, a volume comparable to a large riding lawnmower, and will necessitate periodic disruptions to water service and multiple lane closures.

##### ***Requested work period***

To mitigate water service and traffic disruption, City staff are requesting a 24-hour work period, in order to schedule activities when they would least impact the community.

## CITY OF VAUGHAN

### **EXTRACT FROM COUNCIL MEETING MINUTES OF MARCH 20, 2018**

Item 5, CW Report No. 10 – Page 3

#### ***Stakeholder engagement***

In line with current practices, the City will distribute the standard watermain newsletter to impacted residents, businesses and other stakeholders in advance of the project's start, as well as distribute additional construction notices at least 48 hours in advance of any night-time work or watermain shutdowns. Communications will be finalized upon awarding the contract to the successful contractor, and will include contact information for both the City staff and contractor's construction supervisor.

#### **Previous Reports/Authority**

Noise Control By-law: [96-2006](#) | [207-2007](#)

#### **Analysis and Options**

This project supports the City of Vaughan Term of Council priorities to invest, renew and manage infrastructure and assets and continue to ensure the safety and well-being of citizens.

#### ***Noise Mitigation***

The City and construction supervisor will comply with standard noise exemption mitigation measures, including that they minimize idling of construction vehicles, avoid unnecessary revving of engines, use of airbrakes, as well as the requirement to maintain equipment in good working order (including the use of muffling devices) to minimize noise impacts.

In addition, the construction supervisor will undertake the following additional activities:

- scheduling water service disruption overnight where possible to minimize impacts to all commercial businesses;
- scheduling activities such as work within intersections that requires multiple lane closures overnight to minimize the disruption to traffic;
- excavating, shoring and exposing the existing watermain during the daytime hours in advance of any planned overnight work, to minimize the duration of nighttime work;
- staging the work to avoid the need for construction vehicles of having to backup and potentially activate the reverse warning alarms on the equipment;
- using “unshrinkable fill” for all excavations, to eliminate the need for any vibratory compaction equipment during the nighttime work; and
- engaging businesses to ensure that work accommodates their needs as much as is reasonably possible.

#### **Financial Impact**

Adoption of this noise exemption has no economic impact for the City.

## **CITY OF VAUGHAN**

### **EXTRACT FROM COUNCIL MEETING MINUTES OF MARCH 20, 2018**

Item 5, CW Report No. 10 – Page 4

#### **Broader Regional Impacts/Considerations**

This watermain replacement project will ensure that City of Vaughan and Regional Municipality of York (Region) continue to have an uninterrupted supply and distribution of safe, potable drinking water. The City will work with the Region to obtain any necessary approvals.

#### **Conclusion**

Staff believe that the noise exemption for this City of Vaughan Infrastructure Delivery Project should be endorsed by Council pursuant to the recommendations set out in this report.

**For more information**, please contact: Gus Michaels, Director, By-law & Compliance, Licensing & Permit Services, ext. 8735.

#### **Attachments**

1. Project map

#### **Prepared by**

Carol Ramchuram, Regulatory Policy Analyst, By-law & Compliance, Licensing & Permit Services, ext. 8783

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)