

# **REPORT**

## ***Climate Action, Planning and Development***

**To:** Mayor Johnstone and Members of Council  
**Date:** April 8, 2024

**From:** Jackie Teed,  
Director, Climate Action, Planning and Development  
**File:** Doc #2463453

**Item #:** 2024-164

**Subject:** **Construction Noise Bylaw Exemption Request: 78 Jamieson Court  
(Metro Vancouver Glenbrook CSO Gate Replacement)**

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### **RECOMMENDATION**

**THAT** Council grant an exemption from *Construction Noise Bylaw No. 6063, 1992* to Metro Vancouver contractor BEL Contracting from Monday June 10, 2024 to Friday August 30, 2024 for:

8:00 PM to 7:00 AM Mondays to Fridays;  
8:00 PM Fridays to 9:00 AM Saturdays;  
6:00 PM Saturdays to 7:00 AM Mondays; including Canada Day and BC Day

to enable installation of two new maintenance holes, construction of a new sewer pipe, and replacement of a gate within the diversion chamber at the Metro Vancouver Glenbrook CSO Gate Replacement.

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### **PURPOSE**

The purpose of this report is to request an exemption from Construction Noise Bylaw No. 6063, 1992 to Metro Vancouver contractor BEL Contracting from June 10, 2024 to August 30, 2024 to enable dewatering generators and pumps to run 24 hours a day.

### **BACKGROUND**

The Glenbrook Sewer moves wastewater collected in Burnaby and New Westminster to the Annacis Island Wastewater Treatment Plant, located in Delta. Metro Vancouver is upgrading sections of the sewer to accommodate population growth and ensure

continued protection of public health and the environment. These upgrades will ensure wastewater continues to be safely managed when sewer flows are at their highest levels during wet weather. The projected project in Glenbrook Ravine Park is scheduled to commence in Spring 2024 and be completed in Fall 2024.

## **ANALYSIS**

BEL Contracting, acting on behalf of Metro Vancouver, will be engaging in construction related to the upgrade of the sewer and the diversion chamber that manage the flow of wastewater in the sewer located at Glenbrook Ravine Park.

The work involves excavating, drilling, and the use of dewatering pumps and generators associated with the installation of maintenance holes, construction of new pipe lines and replacement of the diversion chamber. Noisy construction activities, such as the use of excavators, backhoes, tandem dump trucks, crane trucks, and power tools, will occur during permitted hours.

During the upgrades to the sewer pipes, generators and electric dewatering equipment will be operating overnight, seven days a week, for the length of the project to enable continuance of flow of wastewater from Burnaby and New Westminster to the Annacis Island Wastewater Plant. Electric dewatering pumps will be submerged underwater and are not expected to be a source of disturbance. Any noise occurring during non-permitted hours will likely be from the diesel generators. Noise cancelling shrouds will cover the generators to mitigate the noise as much as possible.

Sewer tie-in work must be performed during low sewer flow and therefore must be performed at night during dry weather. Most of the noisy work from hammering, drilling, and the use of power tools will be limited to permitted hours. Night time noise that disturbs is not expected unless, in the unlikely event, pipe cutting is required. The sewer tie-in is scheduled to occur one night only between July 1 and July 12, 2024.

## **DISCUSSION**

The construction area for the sewer pipe upgrade is approximately 45 – 50 metres from the nearest residences located on Glen Court and Glenbrook Drive. Some noise disruption is expected and BEL Contracting has committed to implementing the following noise mitigation measures:

- Ensuring all equipment is in good operating order.
- Operating equipment at minimum engine speeds consistent with effective operation.
- Educating and supervising construction personnel to ensure potential noises are minimized.
- Avoiding unnecessary idling, revving, use of airbrakes and banging of tailgates.
- Turning off equipment when not in use.
- Locating stationary noise generating equipment as far away as possible from noise sensitive receivers.

- Scheduling construction related activities and limit equipment usage to minimize noise, especially during nighttime hours.
- Providing a night time contact person and respond to any calls from affected residents.

Information notices will be sent to area residents and businesses in a 2 block radius in advance via hand by Canada Post. This will be the only method of notification for the remainder of the project. Appendix A provides an aerial view of the construction area within Glenbrook Ravine Park. Appendix B provides a sample notification letter to residents.

Parking, cyclists and pedestrian traffic in and around Glenbrook Ravine Park will be affected during construction. Public access to trails in the north end of the park will be restricted for the duration of the project. There will be additional brief intermittent trail closures and parking restrictions in effect as construction activities proceed. Traffic Control Personnel will be in place for the affected areas. A Street Occupancy Permit and Traffic Management Plan has been approved and issued by the Engineering Department.

### **INTERDEPARTMENTAL LIAISON**

Staff from the Engineering Department and Parks and Recreation were consulted in preparation of this report.

### **FINANCIAL IMPLICATIONS**

No financial impact to the City is anticipated by granting the exemption. If the exemption is not granted, the project will likely be delayed which may result in financial impacts for the applicant.

### **OPTIONS**

There are two options to consider:

1. That Council grant an exemption from *Construction Noise Bylaw No. 6063, 1992* to Metro Vancouver contractor BEL Contracting from Monday June 10, 2024 to Friday August 30, 2024 for:  
  
8:00 PM to 7:00 AM Mondays to Fridays;  
8:00 PM Fridays to 9:00 AM Saturdays;  
6 PM Saturdays to 7:00 AM Mondays; including Canada Day and BC Day to enable installation of two new maintenance holes, construction of a new sewer pipe, and replacement of a gate within the diversion chamber at the Metro Vancouver Glenbrook CSO Gate Replacement.
2. That Council provide staff with alternative direction.

Staff recommend Option 1.

## **ATTACHMENTS**

Appendix A: Map of Area of Construction Work

Appendix B: Notification to Immediate Neighbourhood

## **APPROVALS**

This report has been prepared by:

Bal Varn, Senior Property Use Coordinator, Integrated Services

This report was reviewed by:

Kim Deighton, Manager, Integrated Services

This report was approved by:

Jackie Teed, Director, Climate Action, Planning and Development

Lisa Spitale, Chief Administrative Officer