

## Appendix A

### *Background and Discussion*

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### **BACKGROUND**

The New Westminster Interceptor Columbia Section sewer is a section of a Metro Vancouver sanitary collection system that runs from McBride Boulevard at the upstream end to the junction of Columbia Street and Front Street at the downstream end totaling approximately 1,600 m. The existing condition of the sewer is poor and it has had numerous minor, localized repairs completed in the last few years. Due to its condition the sewer's entire length is undergoing rehabilitation. The rehabilitation work consists of slip-lining the majority of the existing sewer with small sections of open cut replacement, replacement of lateral connections, and installation of new utility holes.

### **DISCUSSION**

Since early 2021 the New Westminster Interceptor Columbia Replacement project has been ongoing in the downtown core along Columbia Street with slip-lining, sewer pipe maintenance, excavation, shoring and backfilling of open work sections along Columbia Street. During this time, Oscar Renda Contracting Inc. (ORCC) has requested and received council approval for multiple construction noise exemption extensions due to delays related to weather (i.e. heavy rains and construction delays) and underground obstructions. The project in the downtown core requires additional work, however ORCC has agreed to temporarily terminate operations in that area from mid-May 2022 through September 2022 in order to provide relief to local businesses in the area. Work in the downtown core will resume in the Fall until project completion.

The work area has shifted to the fourth and fifth phases of the project located in the 100 Block to 300 Block of Columbia Street. ORCC is proposing to do the construction work between Wednesday 1<sup>st</sup> June 2022 and Wednesday 30<sup>th</sup> November 2022 with two nights per week of construction work consisting of slip-lining, excavation, shoring, sewer maintenance, and backfilling. No construction noise will occur on Sundays and Statutory Holidays during this time. Equipment including slip-pipes, excavators and loaders will be stored along Columbia Street in designated locations for use towards the project.

ORCC may encounter construction delays due to weather or underground obstructions during this construction activity with over-night hours (from 8:00 PM to 7:00 AM Monday to Friday, 8:00 PM Friday to 9:00 AM Saturday and 6:00 PM Saturday to 11:59 PM Saturday) and is asking for some flexibility as they may work one night a week or three nights a week during some weeks with the average being two nights a week during this exemption request. A few extra nights are being requested for any weather-related or unexpected construction delays. The noise exemption is to accommodate slip-lining, excavation, maintenance of pipe and work along approximately 450 meters of the existing sewer line located in the 100 Block to 300 Block of Columbia Street.

**ANALYSIS**

Having the ability to work continuously through the night has significant advantages:

- This construction work is weather dependent, and the work revolves around the existing sewer line surcharging, which occurs during heavy rain events. During this period of high levels, no work can occur. Any rain over 10 mm may make the ground conditions too muddy to work regardless of the construction activity. As such, continual work through nighttime hours will reduce the number of continuous dry days needed, thereby allowing ORCC to schedule this activity within a smaller weather window.
- The faster completion of the sewer maintenance/construction work will reduce the number of required construction days, especially during daytime hours, and thereby reduce impacts to nearby residents and businesses.