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LOCATION OF CONSTRUCTION

Building or Project Name (if applicable) The Press Block		
Street Number 1730	Street Name Granville St.	Suite/Unit Number
Community Downtown Halifax		
Other Location Information if required (please show on site plan)		
Associated permits numbers (i.e. encroachment, grade alteration, building etc.) Building Permit BPCOM-2022-01166 / Blasting Permit BLAST-2022-13559 / ROW Permit DEV-ROW-2022-01207 / Tower Crane Permit DEV-ROW-2022-14108		Estimated project start date / end date March 2023 - December 2023

ANTICIPATED NOISE EVENT(S)

Describe the activity, including the type of noise impacts, and duration of the expected after/before hours noise events.

The specific exemption requested is to allow for concrete finishing with ride on Power Trowels - which has an effective noise of approximately 85-105dBA - to take place after exempt times (being 9:00PM to 5:00AM).

REASON FOR EXEMPTION

Description of why noise within the prohibited hours of the N-200 By-law is required.

The planning of concrete pours takes a great degree of coordination amongst many trades, suppliers and traffic control. The pours require lengthy variable curing times. Unpredictable weather conditions such as we experience in the Halifax region dramatically affect the curing times; key factors include low temperatures, high wind speeds and fluctuation in humidity levels. Concrete chemical additives are used to accelerate the cure time but there are limits, beyond which the structural integrity of the concrete may be impaired.

Our contractor will start the floor concrete pouring operation as early as permitted, typically 7:00AM and no later than 10:00AM, to obtain maximum cure time within the permitted hours of the By-Law. The time required to finish those concrete floors is directly proportional to the size of the slab and could range from 11 to 21 hours.

Unfortunately, in our experience on other projects, and despite our best efforts, the concrete may not cure sufficiently to allow the finishing operation to begin until sometime later in the evening. This may require the finishing crew, to work beyond 9:30PM into the night to complete the floor finish.

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MITIGATION MEASURES – SITE ORGANIZATION

Describe what site-specific steps you will take to reduce the impact of the noise. (i.e. measures could include locating construction equipment away from residences, discouraging queuing of vehicles prior to site opening etc.)

- The exemption would apply only to noise related to concrete finishing extending beyond 9:30PM, not in relation to other construction.
- Concrete pours will be planned and scheduled to be completed as early in the day as possible;
- Local weather forecasts will be used to schedule work to complete concrete finishing in a timely manner;
- Where possible slabs will be poured in smaller portions, reducing the amount of time to pour the slab
- Contractors will be given orientation regarding acceptable behavior during after hours work (no yelling, radios, unnecessary noise, etc.)

MITIGATION MEASURES - EQUIPMENT

Describe what equipment related steps you will take to reduce the impact of the noise. (i.e. measures could include sound barriers to muffle generators, scheduled inspections of equipment's condition etc.)

- Heaters: temporary construction heaters will be used when low temperatures are present. The use of heaters accelerates the curing of concrete and reduces the duration of after hours work.
- Concrete pumps: when possible mobile concrete pumps will be used to place concrete. The use of pumps can speed up the concrete placement process and further reduce the duration of after hours work.

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MITIGATION MEASURES - OTHER

Describe what other steps you will take to reduce the impact of the noise. (i.e. measures could include training, schedule after hours truck routes, solid hoarding and other measures not otherwise listed.)

-Cold weather concrete additives: concrete additives will be used to reduce cure times, which can be increased in cold weather.

-Site hoarding: the site hoarding at street level is built out of solid plywood mounted to concrete jersey barriers. Solid hoarding, as opposed to wire fencing, will help reduce the noise level to neighboring properties.

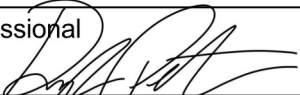
SUPPORTING DOCUMENTATION (IF APPLICABLE)

List any attachments supporting the noise mitigation that are included with this application (i.e. site plan, sound attenuation material/system specifications).

1. Hoarding Plan
- 2.
- 3.
- 4.

AUTHORIZED SIGNATURE

As the owner or the designate appointed by the owner, I shall at all times observe and comply with, and endeavor to ensure strict observance of and compliance with all statutory requirements, rules, regulations, by-laws, terms and conditions, which are related to this exemption.

Name of certified professional Dylan Peterson P.Eng.	Signature of certified professional 	Date (yyyy-mm-dd) 2022-12-05
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