

October 24, 2017

VIA E-MAIL TO: evanp@gsai.ca

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Re: Responses to Comments from the City of Mississauga, Old Barber House, 5155 Mississauga Road, City of Mississauga, Ontario

As requested, we have reviewed the comments from the City of Mississauga dated February 6, 2017. Our latest noise report for this site is entitled, “Noise Feasibility Study, Proposed Residential Development, Old Barber House, 5155 Mississauga Road, City of Mississauga, Ontario” dated June 6, 2016. We have provided additional calculations for the OLA of Lot 21 located at the intersection of Mississauga Road and Barberrtown Road in an addendum dated March 23, 2017. The City’s recent comments are italicized below and our responses follow.

- *Ensure all plans are consistent, i.e. lot/block/unit #ing needs to be consistent on draft plan, site concept plan, noise report, grading and servicing plans*

An updated table including updated lot/unit numbers is included below and shown on the attached Figure 1:

Table 1: Summary of Noise Control Requirements and Noise Warning Clauses

Lot	Acoustic Barrier	*Ventilation Requirements	Type of Warning Clause	Building Façade Constructions
Unit 1, Lot 21	✓	Forced Air	B, C	OBC
Units 2, 17 and 18	--	Forced Air	A, C	OBC
Remaining Dwellings	--	--	--	OBC

Notes:

-- no specific requirement

OBC – meeting the minimum requirements of the Ontario Building Code

* The location, installation and sound rating of the air conditioning condensers must be compliant with MOECC Guideline NPC-300, as applicable.

- *Revised May 2, 2017: As part of the processing of the application a noise concern was identified by the Development and Design Division due to noise levels from future road traffic sound levels on Mississauga Road. A Noise Feasibility Study was prepared by Howe Gastmeier Chapnik Limited HGC*

Engineering dated June 6, 2016 (Addendum, "Responses to Comments", dated March 23, 2017). As indicated above, a 1.8 m high noise barrier to match that proposed for adjacent property to the north should be installed at Unit #1. A similar barrier should be installed at Lot #21. Revise Table #1 of the addendum to indicate the noise attenuation effects of such barriers...

For consistency with the adjacent property the effect of a 1.8 m high acoustic noise barrier was investigated. With a 1.8 m high acoustic barrier the predicted sound levels in the rear yards will be reduced to below 55 dBA meeting the requirements of the MOECC.

Table 2: Summary of Barrier Heights (m) Required to Meet Various Sound Levels

Prediction Location	Desired Sound Level (dBA)				
	55	56	57	58	59
Unit 1	1.8	--	--	--	--
Lot 21	1.8	--	--	--	--

As a general note, an acoustic barrier may be a combination of an acoustic wall and an earth berm. The wall component of the barrier should be of a solid construction with a surface density of no less than 20 kg/m². The walls may be constructed from a variety of materials such as wood, brick, pre-cast concrete or other concrete/wood composite systems provided that it is free of gaps or cracks. The heights and extents of the barriers should be chosen to reduce the sound levels in the OLA's to below 60 dBA and as close to 55 dBA as is technically, administratively and economically feasible, subject to the approval of the municipality respecting any applicable fence height by-laws.

- *Notwithstanding the findings of the noise report and associated addendum, the following items are to be addressed; The noise report and associated addendum figure(s) and chart(s) do not correspond with the drawings. We have requested the applicant clarify the Lot/Block numbering on the Draft Plan of Subdivision and ensure all future drawings, plans and reports are consistent. – the lot at the corner of Mississauga Road and Barbartown Road has been analysed to determine the noise fence requirements to reduce the OLA to 55 dBA. Acoustic fencing is required – Confirm any noise impacts on the existing and proposed residential units from the exhaust fans on the rooftop of the existing Old Barber House Restaurant and recommend any implementation of noise mitigation measures.*

As the Old Barber House Restaurant building will be converted to residential suites, the restaurant kitchen exhaust fans will not be used and will not impact the surrounding residences.

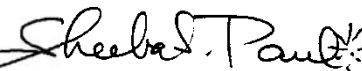
The remaining recommendations as contained in our June 6, 2016 noise report and March 23, 2017 addendum letter are still applicable. We trust this information is sufficient for your purposes. If you have any questions or concerns, please call.

Yours truly,

HOWE GASTMEIER CHAPNIK LIMITED


Victor Garcia, P.Eng




Sheeba Paul, MEng, P.Eng

