

# GRADIENTWIND

ENGINEERS & SCIENTISTS

June 20, 2022

**Minto Communities**

200-180 Kent St  
Ottawa, ON K1P 0B6

Attn: Carl Furney, MCIP RPP AICP  
Land Development Manager  
[CFurney@minto.com](mailto:CFurney@minto.com)

Dear Mr. Furney:

Re: Roadway Traffic Noise Addendum Letter  
Barrhaven Town Centre  
GW File No.: 21-289 – Noise Addendum Letter

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Gradient Wind Engineering Inc. (Gradient Wind) was retained by Minto Communities to undertake a roadway traffic noise assessment undertaken in support of a Zoning By-law Amendment (ZBA) for a proposed residential development comprised of approximately 604 stacked townhomes located at Barrhaven Town Centre in Ottawa, Ontario. This addendum letter is supplemental to our roadway traffic noise report (ref. *Gradient Wind report #21-289 – Traffic Noise*, dated December 2, 2021), to address changes in the latest site plan drawings and satisfy Site Plan Control submission requirements.

Gradient Wind received updated site plan drawings in May 2022. A review of these drawings depicts several minor design changes as summarized below:

- The number of proposed buildings has increased from 24 to 25.
- Use of numbers to identify the blocks as opposed to letters.
- A size reduction of the primary parking lots at the center of the site.
- The addition of surface parking and underground parking entrances to the east of the site immediately west of Block 6 and 16.
- Minor size and location changes to all blocks in the development.

Given the changes noted above, noise levels at the facades of the building are not expected to differ from the values mentioned in Gradient Wind's initial noise assessment. To account for the change in naming

convention, this letter includes updated figures that outline the blocks that require upgraded building components in addition to upgraded ventilation requirements to address roadway traffic noise.

In conclusion, the revised site plan drawings do not depict significant changes to the development design that would greatly alter the noise impacts onto the development from nearby transportation noise sources. As such, the initial noise mitigation recommendations and conclusions of our traffic noise report remain unchanged. Figures attached to this letter summarize the original noise mitigation recommendations assigned to the current Block naming convention.

This concludes our response and review of the design changes for Barrhaven Town Centre in Ottawa, Ontario. Please advise the undersigned of any questions or concerns.

Sincerely,

**Gradient Wind Engineering Inc.**

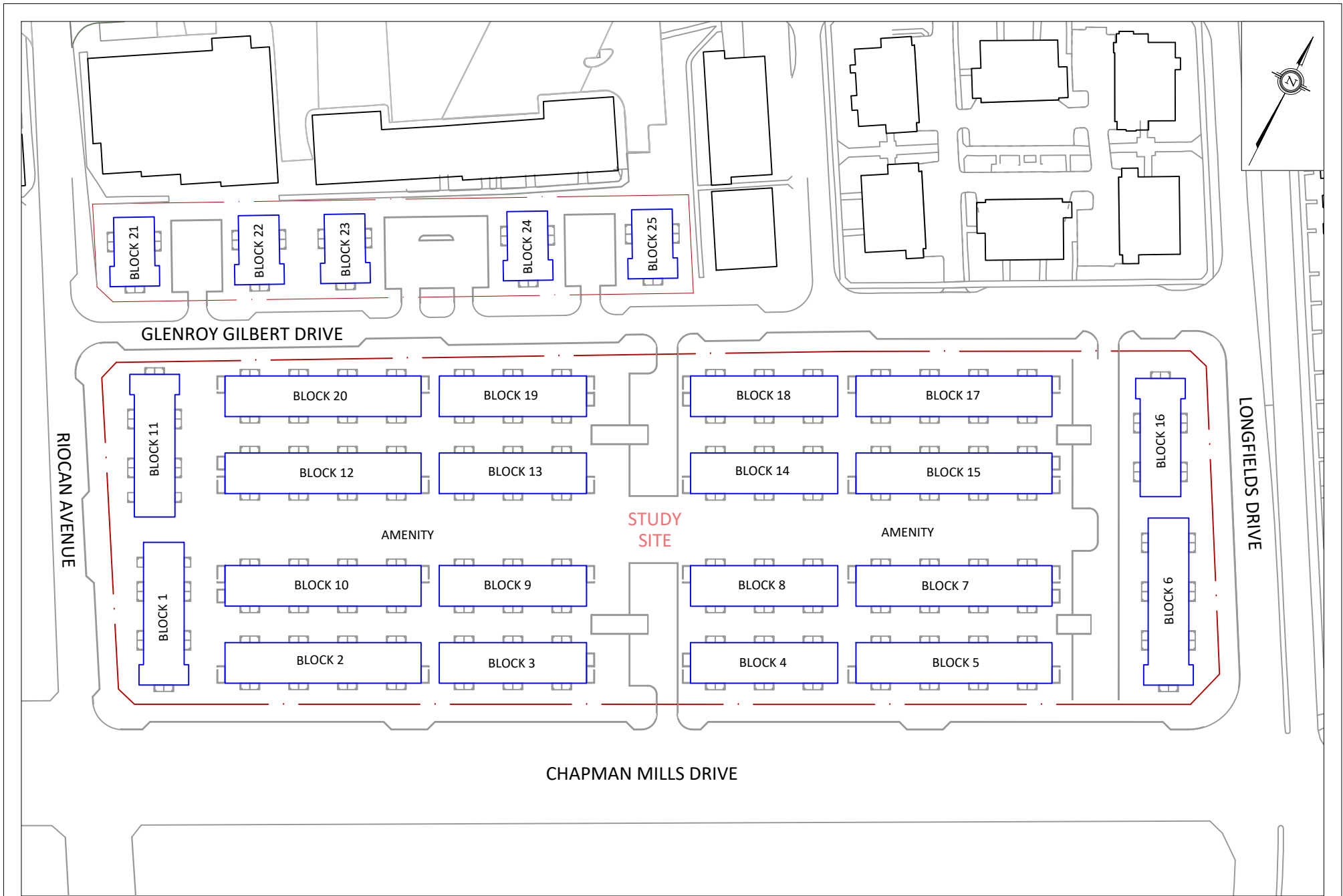


Giuseppe Garro, MASC.  
Environmental Scientist

*Gradient Wind File #21-289*



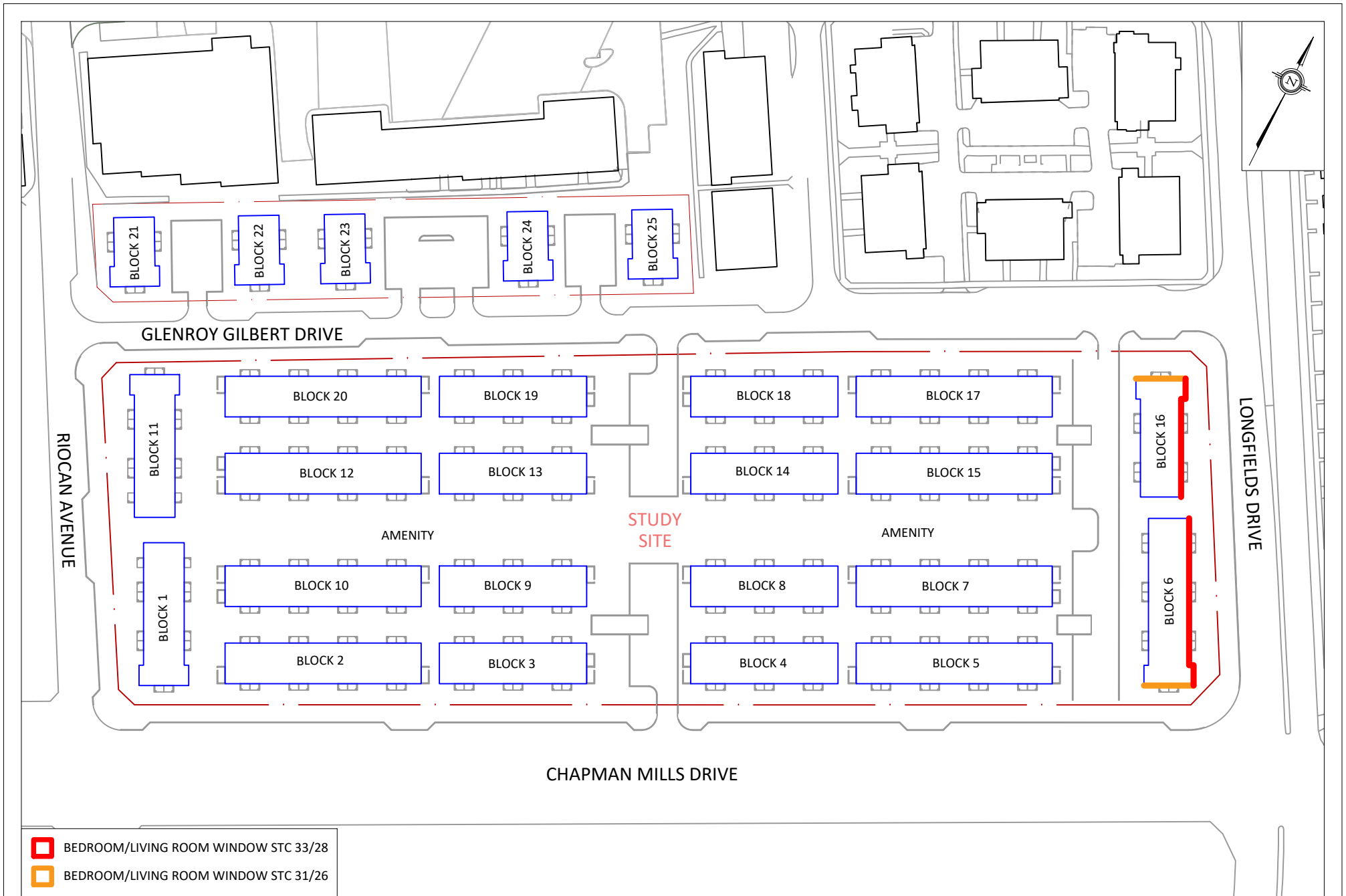
Joshua Foster, P.Eng.  
Lead Engineer



PROJECT	BARRHAVEN TOWN CENTRE, OTTAWA ROADWAY TRAFFIC NOISE ASSESSMENT	
SCALE	1:1700 (APPROX.)	DRAWING NO. GW21-289-1
DATE	MAY 18, 2022	DRAWN BY G.G.

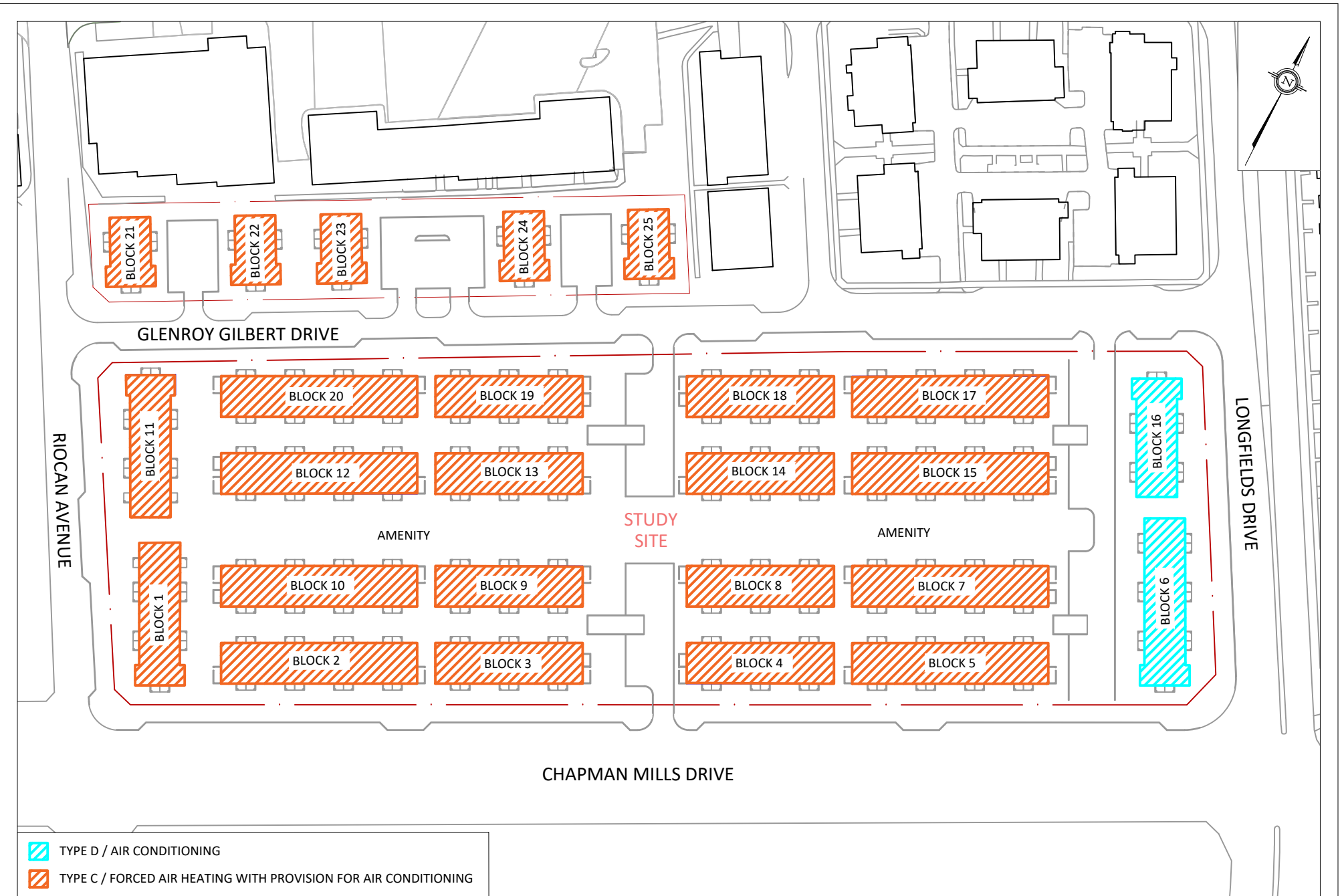
DESCRIPTION

FIGURE 1:  
SITE PLAN AND SURROUNDING CONTEXT



PROJECT	BARRHAVEN TOWN CENTRE, OTTAWA ROADWAY TRAFFIC NOISE ASSESSMENT		DESCRIPTION
SCALE	1:1700 (APPROX.)	DRAWING NO.	GW21-289-2
DATE	MAY 18, 2022	DRAWN BY	G.G.

FIGURE 2:  
UPGRADED BUILDING COMPONENTS



- TYPE D / AIR CONDITIONING
- TYPE C / FORCED AIR HEATING WITH PROVISION FOR AIR CONDITIONING

PROJECT	BARRHAVEN TOWN CENTRE, OTTAWA ROADWAY TRAFFIC NOISE ASSESSMENT	
SCALE	1:1700 (APPROX.)	DRAWING NO. GW21-289-3
DATE	MAY 18, 2022	DRAWN BY G.G.

DESCRIPTION

**FIGURE 3:  
VENTILATION REQUIREMENTS**