Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos (Bolton Village) Inc.

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Executive Summary

SLR Consulting (Canada) Ltd. (“SLR”) was retained by Camcos (Bolton Village) Inc., (Client) to prepare an environmental noise assessment for the proposed 13656 & 13668 Emil Kolb Parkway development in Bolton, Ontario (“the Project site”).

This assessment is intended to address the Noise requirements of the Noise Impact Study.

This assessment has considered:

- Transportation-related noise and vibration; and
- Industrial/commercial noise.

Based on transportation façade sound levels, upgraded glazing is required for units as outlined in **Section 2.4.3**. For all other locations exterior wall and window construction meeting the minimum non-acoustical requirements of the OBC are predicted to be sufficient to meet MECP indoor noise guidelines.

Warning clauses should be included in agreements registered on Title for the residential units and included in agreements of purchase and sale/rental agreements. Warning clause recommendations are summarized in **Appendix A**.

Stationary source noise from the surrounding environment is not of concern at the proposed development, as outlined in **Section 3.0.**

The mechanical equipment design for the development should be reviewed by an acoustical consultant as the design progresses and detailed data becomes available, later in the design process.

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1.0 Introduction

SLR Consulting (Canada) Ltd. (“SLR”) was retained by Camcos (Bolton Village) Inc., (“Client”) to prepare an environmental noise assessment for the proposed development at 13656 & 13668 Emil Kolb Parkway in Bolton, Ontario (“the Project site”). This report is in support of Zoning Bylaw Approval (ZBA) and Site Plan Approval (SPA) submission.

1.1 Focus of Report

In keeping with the Region of Peel and Ministry of the Environment Conservation and Parks (MECP) requirements, this report examines the potential for:

- Impacts of the environment on the proposed development;
- Impacts of the proposed development on the environment; and
- Impacts of the proposed development on itself.

The required noise warning clauses and mitigation measures resulting from this study are summarized in **Appendix A**.

1.2 Nature of the Project and Subject Land

The proposed development is located at 13656 & 13668 Emil Kolb Parkway in Bolton, Ontario. The site is currently vacant land with a single 2-storey house. **Figure 1** provides an aerial view and context plan of the immediate study area. Excerpts from the current site plan and architectural drawings of the Project site are provided in **Appendix B**.

The proposed development consists of two, 3.5-storey townhouse blocks and a single 8-storey apartment building.

1.3 Nature of the Surroundings

The surrounding land uses in the vicinity of the proposed development include the following:

- Emil Kolb Parkway/Coleraine Drive and existing residential subdivisions to the north;
- King Street West/Harvest Moon Drive and existing residential subdivisions to the east;
- Existing residential subdivisions, CPKC Rail line and various industry to the south; and.
- Existing residential subdivisions, and the St. Nicholas Elementary School to the west.

The Zoning map for the proposed development is shown in **Figure 2.**

Part 1: Impacts of the Environment on the Development

In assessing impacts of the environment on the proposed development, the focus of this report is to assess the potential for:

- Transportation noise impacts from surrounding roadways and railways; and
- Stationary noise impacts from surrounding commercial and industrial lands.

The proposed development is located outside of the nearby Airport Noise Exposure Forecast (NEF) contours; therefore, an assessment of aircraft noise is not required.

The proposed development is located greater than 75 m from the closest railway tracks; therefore, an assessment of ground induced vibration from rail movement is not required.

2.0 Transportation Noise Assessment

2.1 Transportation Noise Sources

Transportation sources with the potential to produce noise at the proposed development include:

- Canadian Pacific Mactier Subdivision;
- Coleraine Drive/Emil Kolb Parkway; and
- King Street West.

Sound levels from these sources have been predicted, and this information has been used to identify façade, ventilation, and warning clause recommendations and/or requirements for the proposed development.

Road traffic noise from other nearby roadways is expected to be acoustically insignificant relative to those noted above and has not been assessed further.

2.2 Surface Transportation Noise Criteria

2.2.1 Ministry of Environment Publication NPC-300

Noise Sensitive Developments

Ministry of the Environment, Conservation and Parks (MECP) Publication NPC-300 provides sound level criteria for noise sensitive developments. The applicable portions of NPC-300 are Part C – Land Use Planning and the associated definitions outlined in Part A – Background. **Tables 1 to 4** summarize the applicable surface transportation guideline limits.

Location Specific Criteria

Table 1 summarizes criteria in terms of energy equivalent sound (L_{eq}) levels for specific noise-sensitive locations. Both outdoor and indoor locations are identified, with the focus of outdoor areas being amenity spaces. Indoor criteria vary with sensitivity of the space. As a result, Sleeping Quarters have more stringent criteria than Living/Dining Room space.

Table 1: MECP Publication NPC-300 Sound Level Criteria for Road Noise

Type of Space	Time Period	Energy Equivalent Sound Level L_{eq} (dBA)	Assessment Location
Outdoor Living Area (OLA)	Daytime (0700-2300h)	55	Outdoors
Living / Dining Room	Daytime (0700-2300h)	45	Indoors [1]
	Nighttime (2300-0700h)	45	Indoors [1]
Sleeping Quarters	Daytime (0700-2300h)	45	Indoors [1]
	Nighttime (2300-0700h)	40	Indoors [1]

Notes: [1] An assessment of indoor noise levels is required only if the criteria in **Table 4** are exceeded.

Outdoor Amenity Areas

Table 2 summarizes the noise mitigation requirements for outdoor amenity areas ("Outdoor Living Areas" or "OLAs").

Table 2: MECP Publication NPC-300 Outdoor Living Area Mitigation Requirements

Time Period	OLA Energy Equivalent Sound Level L_{eq} (dBA)	Mitigation Requirements/Warning Clause Recommendations
Daytime (0700-2300h)	$\leq$ 55	None
	56 to 60 incl.	Noise barrier **OR** Warning Clause A
	> 60	Noise barrier to reduce noise to 55 dBA **OR** Noise barrier to reduce noise to 60 dBA and Warning Clause B

Ventilation and Warning Clauses

Table 3 summarizes requirements for ventilation where windows potentially would have to remain closed as a means of noise control. Despite implementation of ventilation measures where required, if sound exposure levels exceed the guideline limits in **Table 1**, warning clauses advising future occupants of the potential excesses are required. Warning clauses also apply to OLAs.

Table 3: MECP Publication NPC-300 Ventilation & Warning Clause Requirements

Assessment Location	Time Period	Energy Equivalent Sound Level - L_{eq} (dBA)	Ventilation and Warning Clause Requirements
Outdoor Living Area	Daytime (0700-2300h)	56 to 60 incl.	Type A Warning Clause
Plane of Window	Daytime (0700-2300h)	≤ 55	None
		56 to 65 incl.	Forced Air Heating /provision to add air conditioning + Type C Warning Clause
		> 65	Central Air Conditioning + Type D Warning Clause
	Nighttime (2300-0700h)	51 to 60 incl.	Forced Air Heating/ provision to add air conditioning + Type C Warning Clause
		> 60	Central Air Conditioning + Type D Warning Clause

Building Shell Requirements

Table 4 provides sound level thresholds which if exceeded, require the building shell and components (i.e., wall, windows) to be designed and selected accordingly to meet the **Table 1** indoor sound criteria.

Table 4: MECP Publication NPC-300 Building Component Requirements

Assessment Location	Time Period	Energy Equivalent Sound Level - L_{eq} (dBA)	Component Requirements
Plane of Window	Daytime (0700-2300h)	> 65	Designed/ Selected to Meet Indoor Requirements
	Nighttime (2300-0700h)	> 60	

2.2.2 Region of Peel Guidelines

The Region of Peel guidelines include the General Guidelines for the Preparation of Acoustical Reports in the Region of Peel, dated November 2012 (ROP Guidelines). In general, the Region of Peel guidelines are consistent with the MECP NPC-300 guidelines.

Notable differences include the requirement to consider ultimate traffic volumes, a requirement to make every effort to meet the OLA guideline limit of 55 dBA, and acoustic barrier height limitations.

2.3 Traffic Data and Future Projections

2.3.1 Roadway Traffic Data

Ultimate road traffic data for Coleraine Drive and King Street West was provided by the Region of Peel, including average annual daily traffic (AADT) volume and commercial traffic breakdown.

Copies of traffic data and calculations are provided in **Appendix B**. **Table 5** summarizes the road traffic data used in the transportation noise assessment.

Table 5: Summary of Road Traffic Data Used in the Transportation Noise Analysis

Roadway Link	Ultimate Traffic Volumes (AADT)	% Day/ Night Volume Split [2]		Commercial Traffic Breakdown		Vehicle Speed (km/h)
		Daytime	Nighttime	% Medium Trucks	% Heavy Trucks	
Coleraine Drive	32,400 [1]	88	12	0.8/0.7[3]	6.3/5.0[3]	60
King Street West	16,200 [1]	90	10	4.3/5.9[3]	0.6/0.4[3]	50

Notes: [1] Provided by the Region of Peel.
[2] The Day/Night split was provided by the Region of Peel.
[3] Provided by the Region of Peel for Daytime/Nighttime periods, respectively.

2.3.2 Rail Traffic Data

Rail traffic volumes were projected to future year 2036 at a growth rate of 2.5%. This growth rate is commonly applied in rail transportation noise assessments.

SLR understands that the traffic data is no longer provided by Canadian Pacific Kansas City (CPKC). Rail traffic data from 2017 for CPKC Mactier Subdivision were obtained directly from a previous SLR Study along the subdivision.

The rail traffic data used in the assessment is summarized below and included in **Appendix C**. **Table 6** summarizes the rail traffic data used in the transportation noise assessment.

Table 6: Summary of Rail Traffic Data Used in the Analysis

Rail Line	Train Type	Typical No. of Engines/ Train	No. of Cars/Train	No of Trains		Maximum Speed (km/h)
				Daytime (7am to 11pm)	Night-time (11pm to 7am)	
CN Mactier Subdivision	Freight	4	179	11	8	57

2.4 Predicted Sound Levels

Future road traffic sound levels at the proposed development were predicted using Cadna/A, a commercially available noise propagation modelling software package. Roadways were modelled as line sources of sound, with sound emission rates calculated using the ORNAMENT algorithms, the road traffic noise model of the MECP. These predictions were validated and are equivalent to those made using the MECP's ORNAMENT or STAMSON v5.04 road traffic noise models. STAMSON validation files are included in **Appendix C**.

For this assessment the intervening ground absorption was modelled as reflective.

Sound levels were predicted using the "building evaluation" feature of Cadna/A. This feature allows for sound levels to be predicted across the entire building façade.

Terrain around the proposed development was obtained from the Ontario Digital Terrain Model and included in the assessment.

2.4.1 Façade Sound Levels

Predicted worst-case façade sound levels due to road traffic and rail traffic are presented in **Table 6** and shown in **Figure 3**.

Table 7: Summary of Maximum Predicted Transportation Façade Sound Levels

Building	Façade	Maximum Road Traffic Sound Levels [1]		Maximum Rail Traffic Sound Levels[1]		Maximum Combined Traffic Sound Levels[1]	
		L_{eq} Day (dBA)	L_{eq} Night (dBA)	L_{eq} Day (dBA)	L_{eq} Night (dBA)	L_{eq} Day (dBA)	L_{eq} Night (dBA)
1	North	65	59	54	56	65	60
	East	69	63	55	57	69	64
	South	67	61	61	62	68	63
	West	47	40	60	62	61	62
2	North	60	53	53	54	60	57
	East	59	53	46	48	60	54
	South	59	53	57	58	60	59
	West	44	37	58	59	58	59
3	North	65	59	52	53	65	60
	East	69	63	54	56	69	63
	South	65	59	56	57	66	61
	West	50	44	52	54	54	54
Notes: [1] The sound levels presented are for the worst-case on the entire façade.							

The façade roadway sound levels are predicted to be above 65 dBA and 60 dBA for daytime and nighttime periods, respectively. Therefore, an assessment of building components is required.

2.4.2 Outdoor Living Areas

All rooftop terraces and balconies are designed with a depth less than 4 m, therefore they do not meet the minimum requirements as Outdoor Living Areas under the definitions in NPC-300. They have not been considered in this assessment.

The design of the amenity spaces, rooftop terraces, and balconies should be reviewed by an acoustic consultant as the planning process continues. If the design is altered, a review must be completed to ensure the conclusions herein remain the same.

2.4.3 Façade Recommendations

Due to sound levels exceeding **Table 7** requirements for units in Building 1, a detailed assessment of glazing is required. Indoor sound levels and required façade Sound Transmission Classes (STCs) were estimated using the procedures outlined in National Research Council Building Practice Note BPN-56. Based on the current architectural drawing set for the submission, the following assumptions were applied to the development units:

- 35 % glazing was assumed for living/dining room facades;

- 30 % glazing was assumed for bedroom facades;
- living/dining rooms were assumed to have a façade-to-floor area ratio of 50%;
- sleeping quarters were assumed to have a façade-to-floor area ratio of 100%; and
- the non-glazing portions of the façade were assumed to have a STC 42 rating.

Façade STC requirements are summarized in the following tables:

Table 8: Façade Sound Transmission Class (STC) Requirements

Building	Façade	Wall STC	Living Room Window/ Patio Door STC	Bedroom Window STC
1	North	42	OBC	OBC
	East	42	OBC	OBC
	South	42	OBC	31
	West	42	OBC	30
2	North	42	OBC	OBC
	East	42	30	OBC
	South	42	OBC	OBC
	West	42	OBC	OBC
3	North	42	OBC	OBC
	East	42	OBC	OBC
	South	42	OBC	OBC
	West	42	OBC	OBC
Notes: "OBC" - Glazing elements meeting minimum thermal and structural requirements of the Ontario Building Code.				

Based on a review of the current architectural drawing set, the detailed floor plans show that corner units will not contain two glazing elements. As the design progresses, an acoustics consultant should continue to review the floor plans to ensure the recommendations listed above are still valid.

2.5 Ventilation and Warning Clause Requirements

2.5.1 Façade Assessment

Where required, warning clauses should be included in agreements registered on Title for the residential units, and included in all agreements of purchase and sale or lease, and all rental agreements.

As predicted transportation sound levels exceed 65 dBA on all buildings, central air-conditioning and an MECP "**Type D**" warning clause is required for all residential blocks on the proposed development.

The ventilation and warning clause requirements are summarized in **Appendix A**.

3.0 Stationary Source Noise Impacts

A review has been conducted for the potential impacts on the development from stationary commercial, industrial and institutional noise sources.

3.1 D-Series of Guidelines

The D-series of guidelines were developed by the MECP in 1995 as a means to assess recommended separation distances and other control measures for land use planning proposals in an effort to prevent or minimize 'adverse effects' from the encroachment of incompatible land uses where a facility either exists or is proposed. D-series guidelines address sources including sewage treatment (Guideline D-2), gas and oil pipelines (Guideline D3), landfills (Guideline D-4), water services (Guideline D-5) and industries (Guideline D-6).

The guideline applicable to this proposed development is Guideline D-6 - Compatibility between Industrial Facilities and Sensitive Land Uses. The guideline specifically addresses issues of air quality, odour, dust, noise and litter.

Adverse effect is a term defined in the Environmental Protection Act and "means one or more of:

- impairment of the quality of the natural environment for any use that can be made of it,
- injury or damage to property or to plant or animal life,
- harm or material discomfort to any person,
- an adverse effect on the health of any person,
- impairment of the safety of any person,
- rendering any property or plant or animal life unfit for human use,
- loss of enjoyment of normal use of property, and
- interference with the normal conduct of business".

To minimize the potential to cause an adverse effect, areas of influence and recommended minimum setback distances are included within the guidelines. The areas of influence and recommended separation distances from the guidelines are provided in **Table 10**.

Table 9: Guideline D-6 – Potential Influence Area and Recommended Minimum Setback Distances for Industrial Land Uses

Industry Classification	Area of Influence	Recommended Minimum Setback Distance (m)
Class I – Light Industrial	70 m	20 m
Class II – Medium Industrial	300 m	70 m
Class III – Heavy Industrial	1000 m	300 m

Guideline D-6 also recommends that no sensitive land use be placed within the Recommended Minimum Separation Distance. However, it should be noted that this is a recommendation only. Section 4.10 of the Guideline allows for development within the separation distance, in cases of redevelopment, infilling, and transitions to mixed-use, provided that the appropriate studies are conducted and that the relevant air quality and noise guidelines are met.

3.2 Guideline D-6 Review for Proposed Development

The MECP Guideline D-6 setback distances related to the proposed development are shown in **Figure 4**.

The lands surrounding the proposed development are generally comprised of commercial, industrial, residential, institutional and employment land uses.

There is one (1) Class III Heavy industry within 1km of the development. There are no Class II Medium or Class I light Industries within 300 m of the proposed development.

There is one (1) light commercial land uses within the 300m area of the proposed development. This is not an industrial land use, and the requirements of Guideline D-6 do not technically apply. Under Guideline D-6, a detailed assessment of industrial noise impacts is not required, it is outside the immediate area of proposed development and it is anticipated to be compatible with the proposed development.

In Ontario, Facilities that emit significant amounts of contaminants to the environment are required to obtain and maintain an Environmental Compliance Approval("ECA") from the MECP or submit an Environmental Activity and Sector Registry("EASR"). ECAs/EASRs within 1 km of the proposed development were obtained from the MECP access Environment website.

Table 10 lists the identified industries within 1000 m of the project site and within their applicable Area of influence. A more detailed table of all industries with 1000 m is provided in **Appendix C**. Industries which lie within their applicable area of influence in respect to the proposed development are discussed further below.

Table 10: Identified Industries within the potential area of influence of the proposed development

Facility	Type of Operation	Environmental Compliance Approval No.	Industry Class	Area of Influence Dist. (m)	Actual Distance to Site (m)	Additional Assessment Required?
Mars Food	Manufacturer	9261-6LSP48	II	300	630	No
Mars Canada	Food Manufacturer	0222-6LKMMW	III	1000	950	**Yes**
Nuvo Iron	Manufacturer	6428-A4DU2Q	II	300	820	No
Ritchie Bros. Auctioneers (Canada) Ltd.	Construction equipment supplier	0868-4HPS7E	II	300	925	No
Aluma Systems	Concrete contractor	N/A	II	300	375	No
DB Schenker	Warehouse	N/A	II	300	330	No
Prodigy Personally	Warehouse	N/A	II	300	305	No
Permacon Bolton	Construction Company	8680-72UJG5	II	300	930	No

Mars Canada was identified inside their Potential Area of Influence, additional assessment is required.

All other industries, detailed in **Appendix C**, are outside of their respective Guideline D-6 Area of influence and are anticipated to be compatible with the proposed development.

3.3 Class III Heavy Industries

The Area within 1km of the project site was reviewed. As shown in **Figure 4**, there is one Class III Heavy Industries within 1km of the proposed development, Mars Canada.

3.3.1 Mars Canada

Address:	37 Holland Drive
Distance to project:	950 m
D-6 Classification:	Class III Heavy Industry

Mars Canada manufactures and packages food. The facility is located approximately 950m east of the project site. The facility operates under MECP ECA 0222-6LKMMW. Copies of the MECP permit can be found in **Appendix C.**

On June 11, 2024, SLR personnel conducted site visit to the area. Noise from the facility was not audible over road traffic at the proposed development, Closest points of reception exist between the facility and proposed development.

Based on the size and nature of the facility operations, Mars Canada is considered to be a Class III industry, with a Recommended Minimum Separation Distance of 300 m and a Potential Area of Influence of 1000 m.

The facility is required to meet compliance at the worst-case points of reception per their ECA. The proposed development is between existing receptors and the industry. It is unlikely the proposed development will drive a requirement for the industry to meet compliance than closer points of reception. Therefore, sound from the industry is expected to meet compliance at the proposed development and has not been assessed further in this report.

3.4 Future Developments

A review of development applications in the area indicated that there are 4 active development applications with 1000m of the project site. **Table 11** below is a summary of the significant applications and excludes committee of adjustment applications such as minor variance or consent. This information is reflective of those applications listed online at the town of Caledon as of June 07, 2024. The location of the future applications can be seen in **Figure 5**

Table 11: Development Applications in the Area

Address	Development Application information	Details
3 Manchester Court	SPA 2022-0073	Proposal of construction of industrial warehouse
0 Humber Station Road	SPA 2021-0064	Proposed transportation depot

Address	Development Application information	Details
13576 & 13584 Coleraine Drive	OP 2020-0001	Proposed Official Plan Amendment from low Density residential to residential plan of subdivision
0 Emil Kolb Parkway	OP 2021-0011, SBD 21T-13002C	Proposed residential plan of subdivision.

New industries to be developed in the area have closer worst case receptors than the proposed development. The proposed developed industries are anticipated to be outside the area of influence for the proposed development. Therefore, the proposed development is compatible with the future developments in the surrounding area.

3.5 Stationary Source Noise Impacts

Based on the above assessment of the surrounding industries, surrounding stationary noise sources are expected to be in compliance with the NPC-300 Guideline limits for the proposed development. Therefore, a detailed assessment of surrounding stationary noise impacts was not completed.

Part 2: Impacts of The Development on Itself

4.0 Stationary Source Noise Impacts of the Development on Itself

Building mechanical systems have not been completely designed at this time. The building mechanical systems is not anticipated to include any significant stationary noise sources. Regardless, potential impacts should be assessed as part of the final building design to ensure compliance with Publication NPC-300 guideline limits. The criteria can be met at all surrounding and on-site receptors though the use of routine mitigation measures, including the appropriate selection of mechanical equipment, by locating equipment with sufficient setback from noise sensitive locations, and by incorporating control measures (e.g., silencers, barriers) into the design.

If individual air conditioning systems (“packaged terminal air conditioning or “PTAC” units) are used, then sound levels from individual air conditioning units should be installed and selected to meet MECP Publication NPC-216 guidelines.

It is recommended that the mechanical systems be reviewed by an acoustical consultant prior to final equipment selection.

Part 3: Impacts of The Development on The Surroundings

5.0 Stationary Source Noise Impacts on the Surrounding Area

With respect to the acoustic environment of the area, it is expected that the proposed development will have a negligible effect on neighbouring noise-sensitive properties.

The traffic related to the proposed development will be small relative to the existing traffic volumes within the area and is not of concern with respect to potential noise impacts.

Building mechanical systems have not been completely designed at this time. The building mechanical systems is not anticipated to include any significant stationary noise sources. Regardless, potential impacts should be assessed as part of the final building design to ensure compliance with Publication NPC-300 guideline limits. The criteria can be met at all surrounding and on-site receptors though the use of routine mitigation measures, including the appropriate selection of mechanical equipment, by locating equipment with sufficient setback from noise sensitive locations, and by incorporating control measures (e.g., silencers, barriers) into the design.

If individual air conditioning systems (“packaged terminal air conditioning or “PTAC” units) are used, then sound levels from individual air conditioning units should be installed and selected to meet MECP Publication NPC-216 guidelines.

It is recommended that the mechanical systems be reviewed by an acoustical consultant prior to final equipment selection.

6.0 Conclusions and Recommendations

The potential for noise impacts on and from the proposed development have been assessed. Impacts of the environment on the development, the development on itself, and the development on the surrounding area have been considered. Based on the results of this assessment, the following conclusions have been reached:

6.1 Transportation Noise

- An assessment of transportation noise impacts from the surrounding roadway and rail sources has been completed.
- Based on transportation façade sound levels, upgraded glazing is required for units as outlined in **Section 2.4.3**. For all other locations exterior wall and window construction meeting the minimum non-acoustical requirements of the OBC are predicted to be sufficient to meet MECP indoor noise guidelines.
- Central air conditioning and a **Type D** warning clause is recommended for all units. Ventilation and warning clause recommendations are outlined in **Section 2.5.1**
- Warning clauses should be included in agreements registered on Title for the residential units and included in agreements of purchase and sale/rental agreements. Warning clause recommendations are summarized in **Appendix A.**

6.2 Stationary Source Noise

- Stationary source noise from the surrounding environment is not of concern at the proposed development, as outlined in **Section 3.0.**
- Noise from the proposed development on itself is not expected to be of concern and can be adequately controlled by following the design guidance outlined in **Section 4.0** of this report.
- Noise from the proposed development on the surroundings is expected to meet the applicable guideline limits and can be adequately controlled by following the design guidance outlined in **Section 5.0** of this report.

The mechanical equipment design for the development should be reviewed by an acoustical consultant as the design progresses and detailed data becomes available, Later in the design process.

7.0 Closure

This report has been prepared by and approved by:

Regards,

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Figures

Environmental Noise Assessment

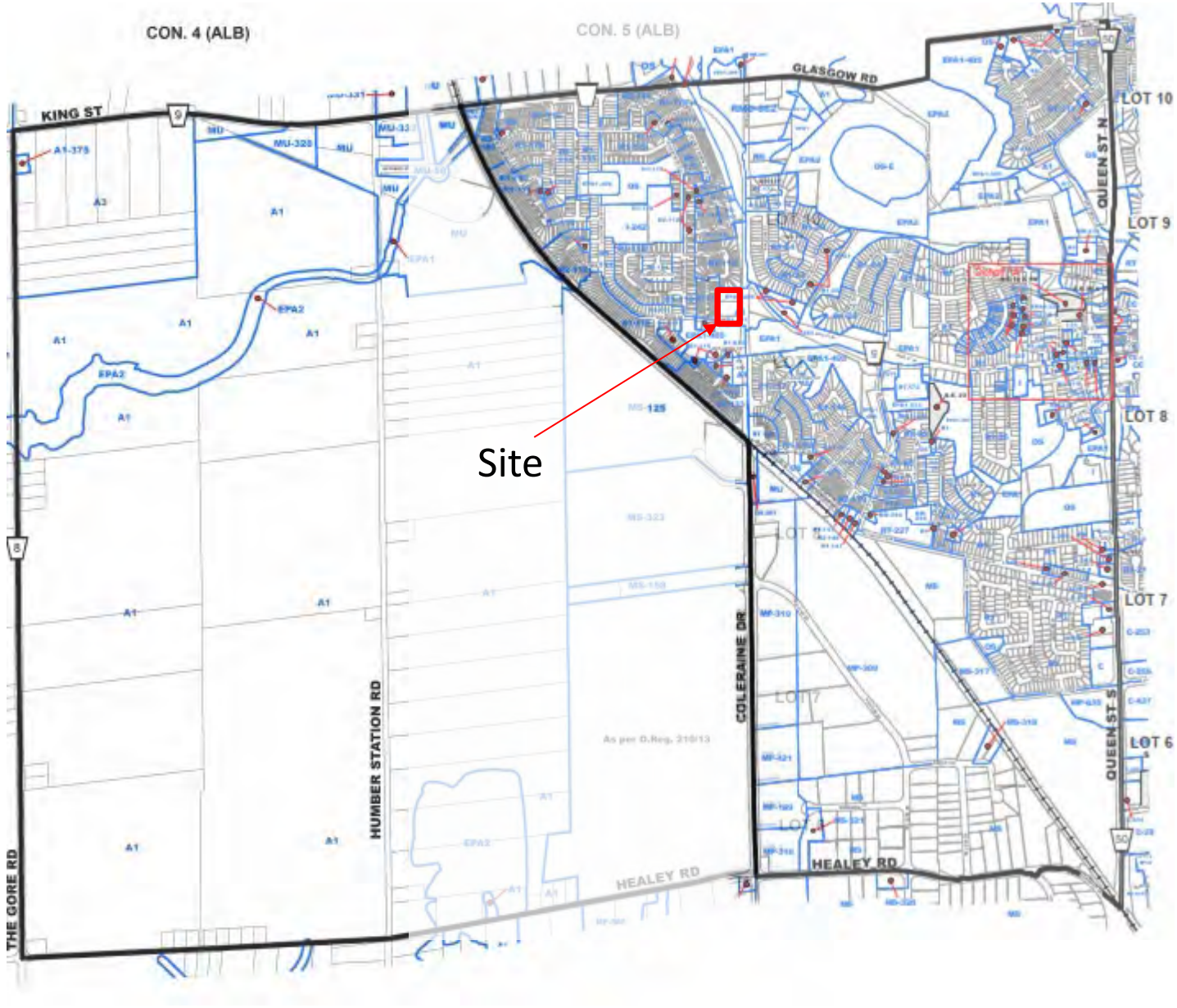
13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

CAMCOS (BOLTON VILLAGE) INC.	True North	Scale: 1:13,000	METRES	SLR
13656 & 13668 EMIL KOLB PARKWAY, BOLTON		Date: Feb. 2025 Rev. 0	Figure No. **1**	
SITE AND CONTEXT PLAN		Project No. 241.031536.00001		



ZONE	SYMBOL
Residential Zones	
Estate Residential	RE
Rural Residential	RR
Residential One	R1
Residential Two	R2
Residential Townhouse	RT
Mixed Density Residential	RMD
Multiple Residential	RM
Commercial Zones	
Core Commercial	CC
Village Core Commercial	CCV
General Commercial	C
Neighbourhood Commercial	CN
Village Commercial	CV
Highway Commercial	CH
Bolton Highway Commercial	CHB
Village Highway Commercial	CHV
Tourist Camp Commercial	CT
Industrial Zones	
Prestige Industrial	MP
Serviced Industrial	MS
Unserviced Industrial	MU
Airport Industrial	MA
Extractive Industrial	MX
Waste Management Industrial	MD
Institutional Zone	
Institutional	I
Agricultural and Rural Zones	
Agricultural	A1
Agricultural –Oak Ridges Moraine	A1-ORM

CAMCOS (BOLTON VILLAGE) INC.

13656 & 13668 EMIL KOLB PARKWAY, BOLTON

ZONING MAP

True North

Scale: N/A

METRES

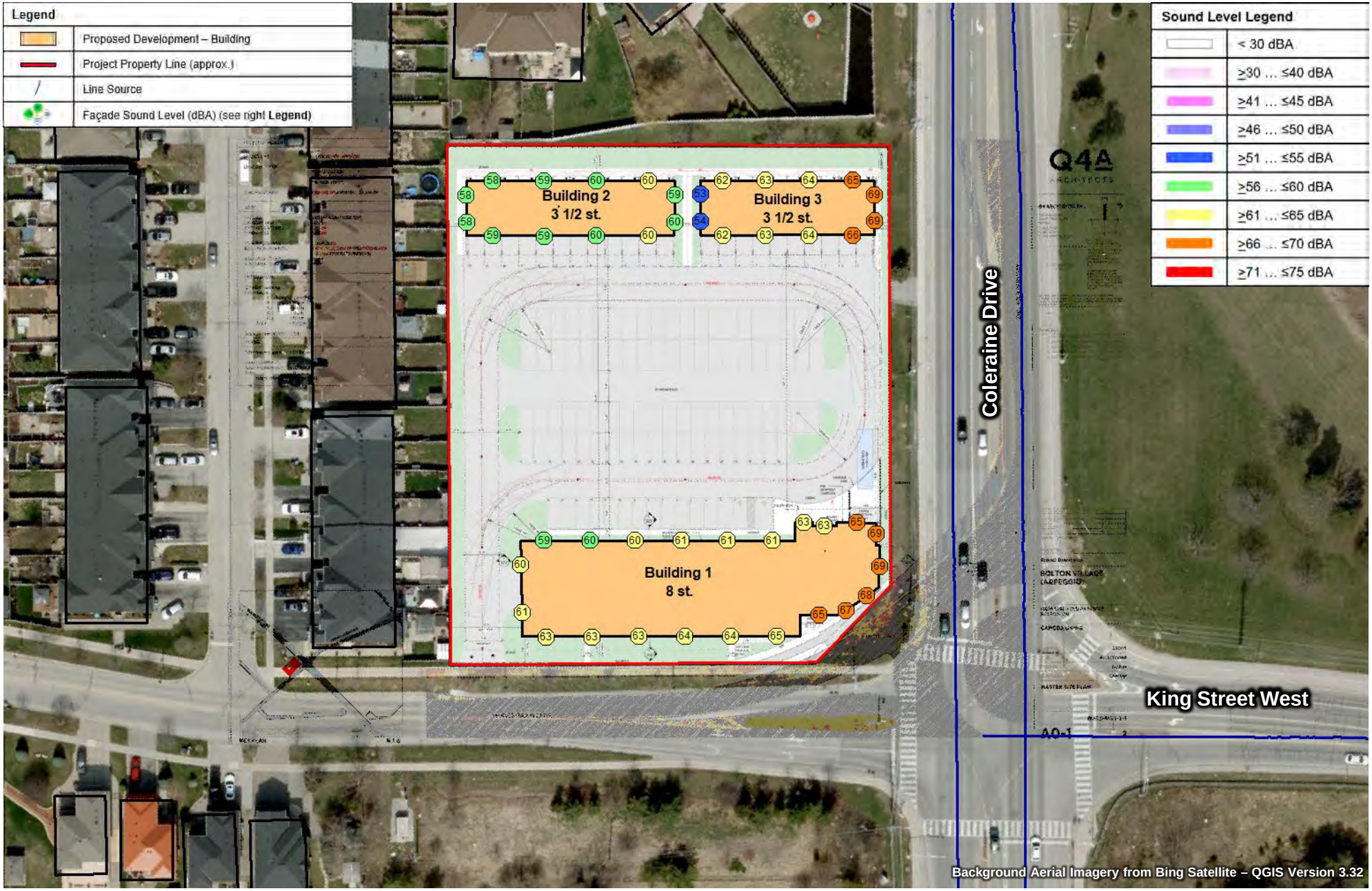
Date: Feb. 2025

Rev. 0

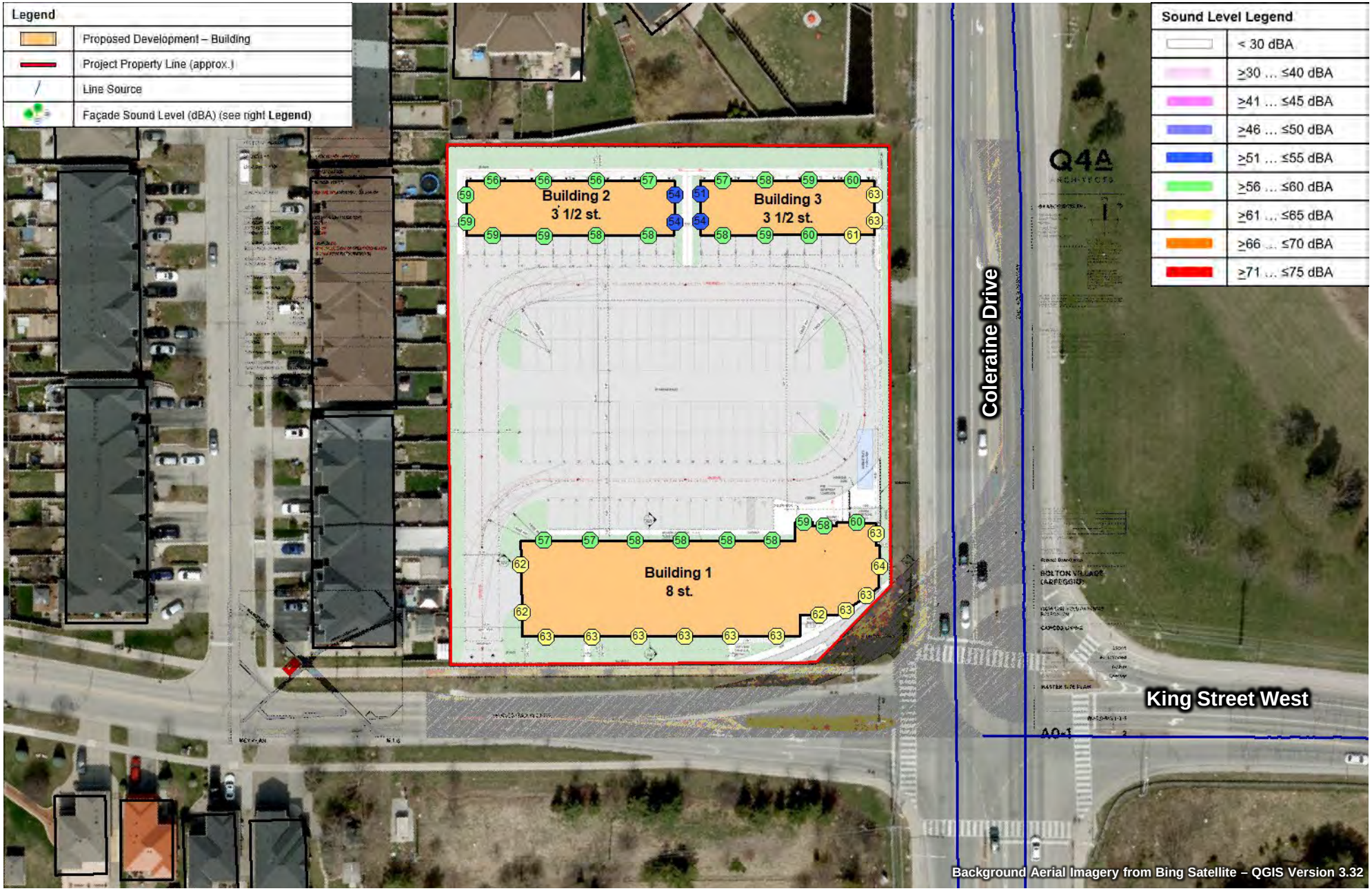
Figure No. **2**

Project No. 241.031536.00001

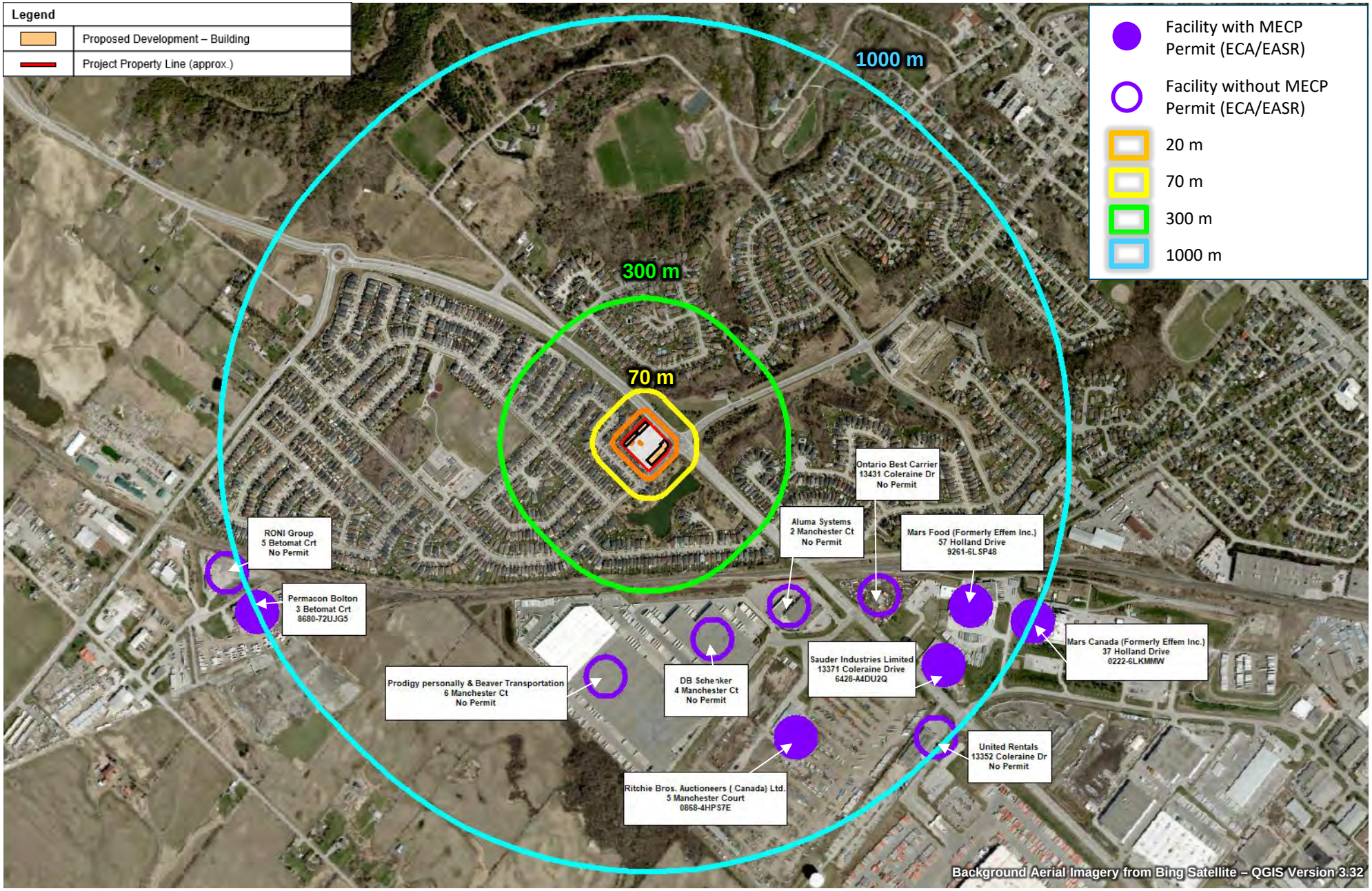
SLR



CAMCOS (BOLTON VILLAGE) INC.	True North	Scale: 1:1,000	METRES	SLR
13656 & 13668 EMIL KOLB PARKWAY, BOLTON		Date: Feb. 2025 Rev. 0	Figure No. **3a**	
PREDICTED TRANSPORTATION SOUND LEVELS – DAYTIME		Project No. 241.031536.00001		



CAMCOS (BOLTON VILLAGE) INC.	True North	Scale: 1:1,000	METRES
13656 & 13668 EMIL KOLB PARKWAY, BOLTON		Date: Feb. 2025 Rev. 0	Figure No. **3b**
PREDICTED TRANSPORTATION SOUND LEVELS – NIGHTTIME		Project No. 241.031536.00001	SLR



CAMCOS (BOLTON VILLAGE) INC.

13656 & 13668 EMIL KOLB PARKWAY, BOLTON

GUIDELINE D-6 SEPARATION DISTANCES – TO 1000 METERS

True North

Scale: 1:13,000

METRES

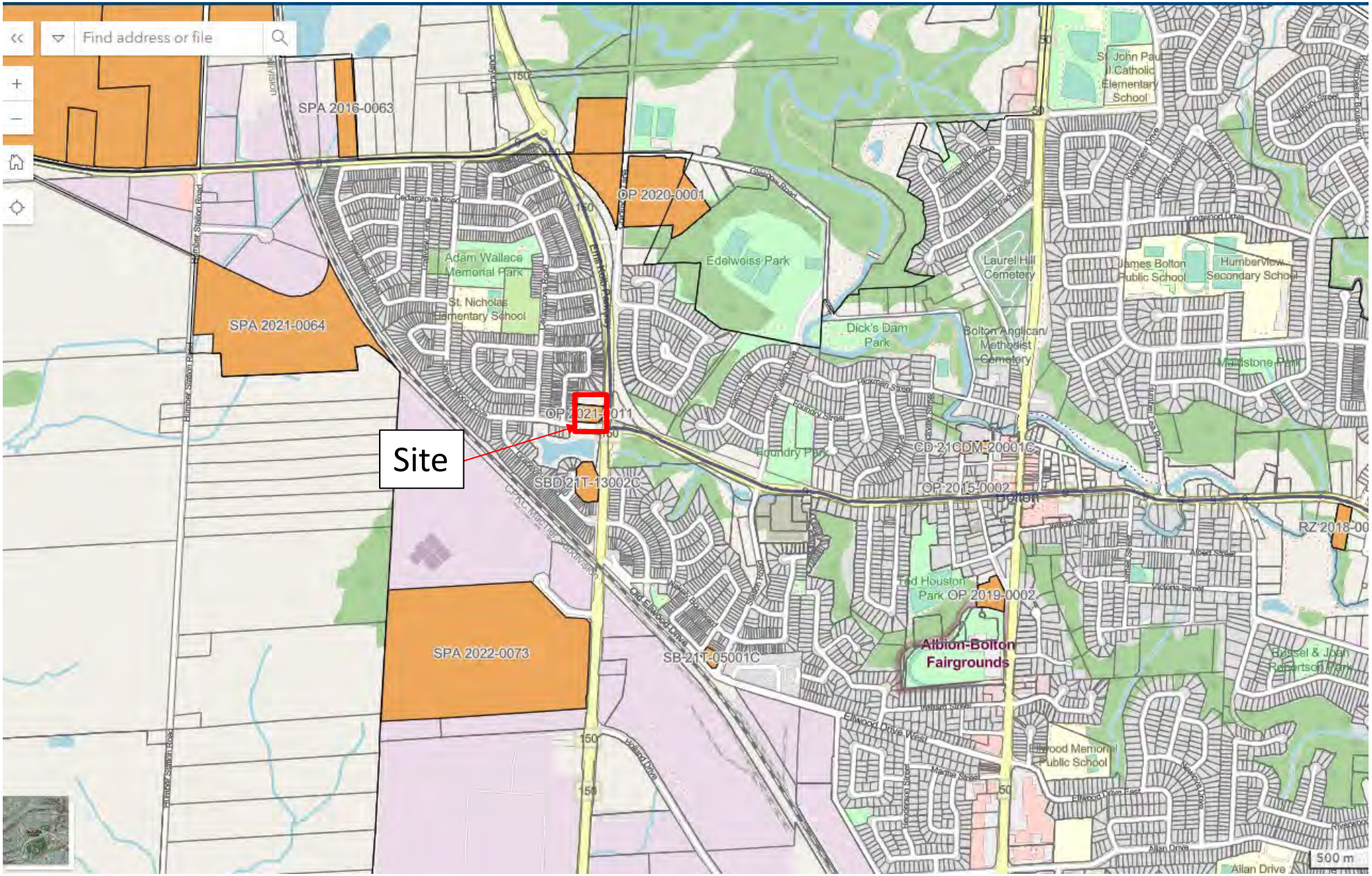
Date: Feb. 2025

Rev. 0

Project No. 241.031536.00001

Figure No. **4**

SLR



CAMCOS (BOLTON VILLAGE) INC.	True North	Scale: N/A	METRES
13656 & 13668 EMIL KOLB PARKWAY, BOLTON		Date: Feb. 2025 Rev. 0	Figure No. **5**
FUTURE DEVELOPMENTS IN THE SURROUNDING AREA		Project No. 241.031536.00001	SLR

Appendix A Ventilation, Warning Clause and Mitigation Summary

Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

SUMMARY OF MITIGATION MEASURES AND WARNING CLAUSES

Warning Clauses

Warning Clauses may be used individually or in combination. The following Warning Clauses should be included in agreements registered on Title for the residential units, and included in all agreements of purchase and sale or lease, and all rental agreements:

Transportation Sources (Road and Rail)

MECP Type D Warning Clause (All Units)

“This dwelling unit has been supplied with a central air conditioning system which will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the sound level limits of the Municipality and the Ministry of the Environment.”

Receptor-Based Physical Mitigation Measures

Ventilation System Design

Air Conditioning (All Units)

The above listed units should be designed with central air conditioning systems, will allow windows and exterior doors to remain closed.

Appendix B Excerpts From Development Drawings

Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

CONSULTANTS:

PROPOSED:

BOLTON VILLAGE

13656 EMIL KOLB PARKWAY
BOLTON, ON

ISSUED FOR:

CLIENT REVIEW

DRAWING SET DATE: 01/23/2025

List of Architectural Drawings		
Page No.	Sheet No.	Sheet Name
1	A0-0	TITLE SHEET
2	A0-1	MASTER SITE PLAN
3	A1-0	SPA BUILDING 1 FLOOR PLANS
4	A1-1	SPA BUILDING 1 FLOOR PLANS
5	A1-2	SPA BUILDING 1 FLOOR PLANS
6	A2-0	SPA BUILDING 1 ELEVATIONS
7	A2-1	SPA BUILDING 1 ELEVATIONS
8	A3-0	BUILDING SECTIONS
9	A3-1	BUILDING SECTIONS
10	A6-1	BUILDING 1 UNIT PLANS
10	A6-2	BUILDING 1 UNIT PLANS
10	A6-3	BUILDING 1 UNIT PLANS
5	A7-0	SPA BUILDING 2&3 (TOWNHOUSE) FLOOR PLANS
5	A7-1	SPA BUILDING 2&3 (TOWNHOUSE) FLOOR PLANS
7	A7- 2	SPA BUILDING 2&3 (TOWNHOUSE) ELEVATIONS

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Issued for Review - Stubbes	2025-01-22
Issued for Client Review	2025-01-23

No	Description	Date
No	Description	Date

Revision Schedule

Project Title

Project Description

BOLTON VILLAGE

13656 EMIL KOLB PARKWAY
BOLTON, ON

CAMCOS LIVING

Project No.	23005
Scale	
Drawn By	Author
Checked By	Checker

TITLE SHEET

BUILDING 1-2-3

A0-0 1

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PROJECT INFORMATION

PROJECT NAME	BOLTON VILLAGE - ARPEGGIO
LEGAL DESCRIPTION	PART OF LOT 9, CONCESSION 5 TOWN OF CALEDON REGIONAL MUNICIPALITY OF PEEL PIN# 14326-1856 (LT)
MUNICIPAL ADDRESS	13656 EMIL KOLB PARKWAY , BOLTON, ON

AREAS

SITE AREA	8,363.7m² / 0.83ha / 90,026.1SqFt
LANDSCAPE AREA	1,651.8m²
SOFT LANDSCAPE AREA	1,295.2m²
PARKING AREA	4,346.9m²
BUILDING AREAS	
BLDG 1 AREA - HIGH BLDG	1,185.6m² (INCLD. 936m² OF OPEN PARKING AREA & 235m² FIRST FLOOR AMENITIES)
BLDG 2 AREA - 12 UNITS	~420m²
BLDG 3 AREA - 10 UNITS	~350m²

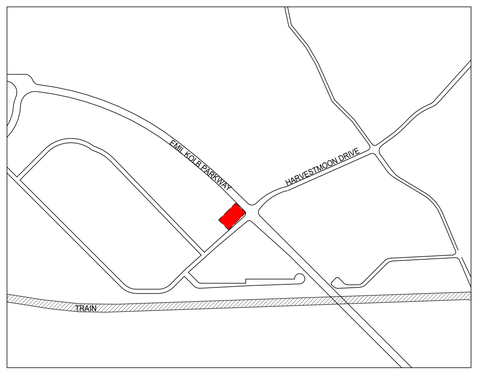
UNIT BREAKDOWN

22 Stacked Townhouses
9 storey building
- Fl 1 - Parking, building amenities
- FL 2 - 5 (16/Fl) = 64 units
- FL 6 = 14 units
- FL 7 = 13 units
- FL 8 = 11 units
- Total # = 102 Units

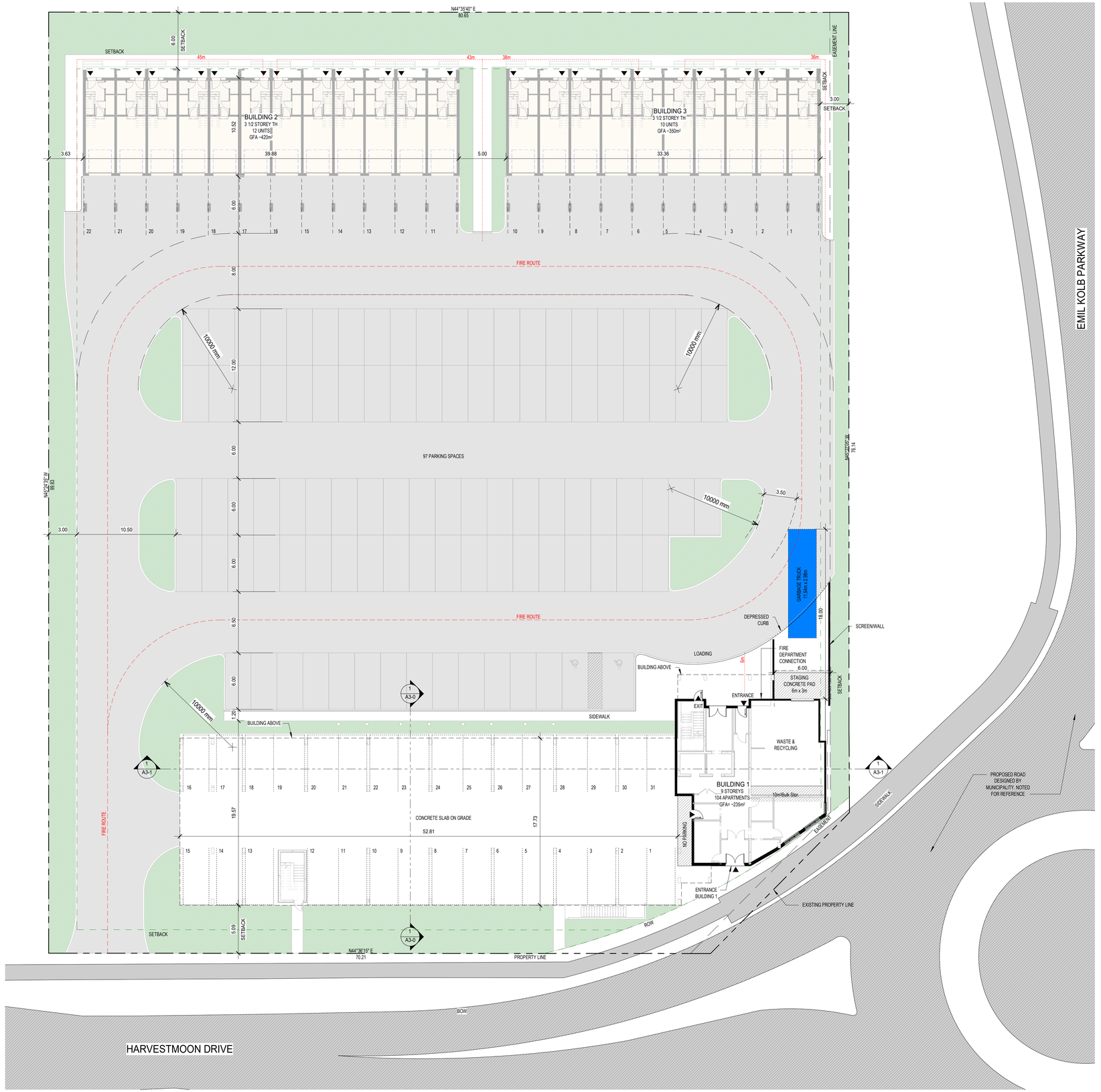
Total # of Residential Units: 124

PARKING

Total # of parking spaces	= 172 Spaces
Stacked TH (Ration 1:2)	= 22 + 22 Tandem Spaces
Apt Building (Ration 1:1.1)	= 113 Spaces
Visitors	= 15 Spaces
Access. Parking	= 2 Spaces (Incld.)



KEY PLAN



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Issue for SPA Coordination	2024-11-21
Issue for SPA Coordination #2	2025-01-07
Issued for Review - Stubbes	2025-01-22
Issued for Client Review	2025-01-23

No	Description	Date
No	Description	Date
No	Description	Date
No	Description	Date

Revision Schedule

Project Title

Project Description

BOLTON VILLAGE

13656 EMIL KOLB PARKWAY
BOLTON, ON

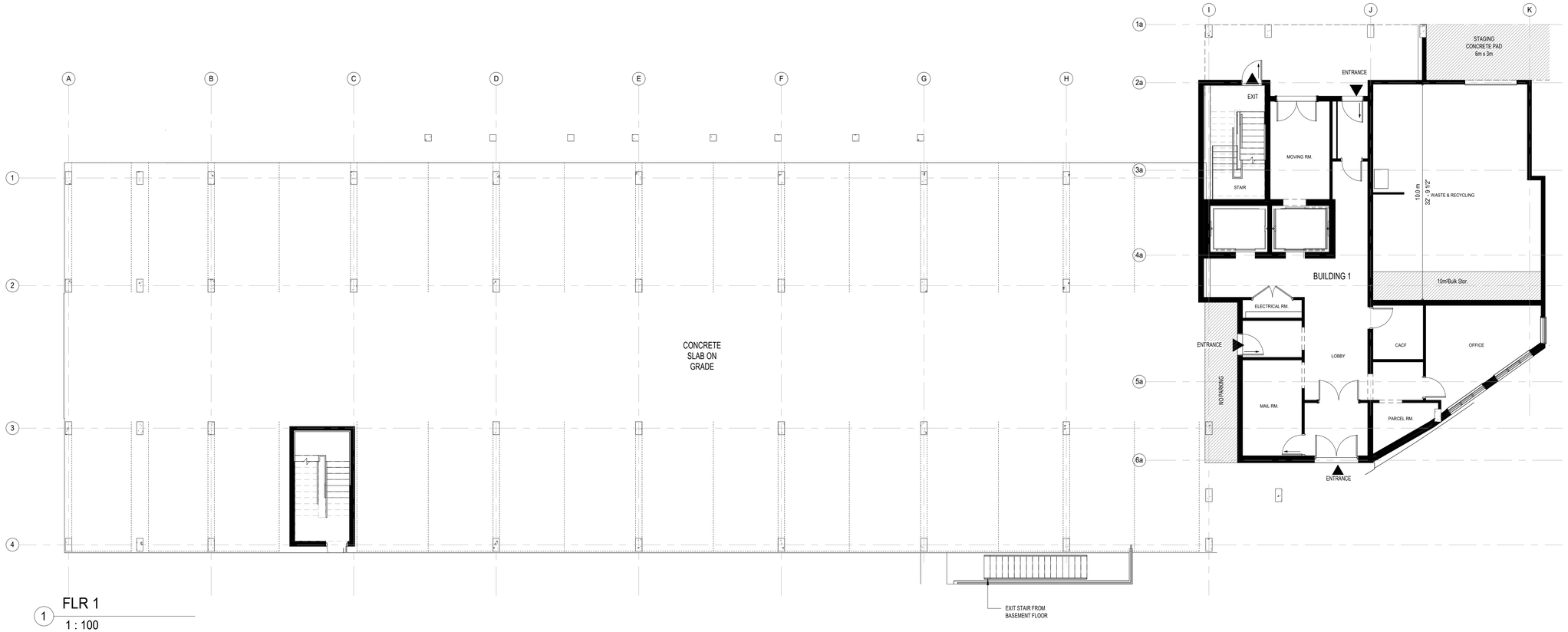
CAMCOS LIVING

Project No.	23005
Scale	As indicated
Drawn By	Author
Checked By	Checker

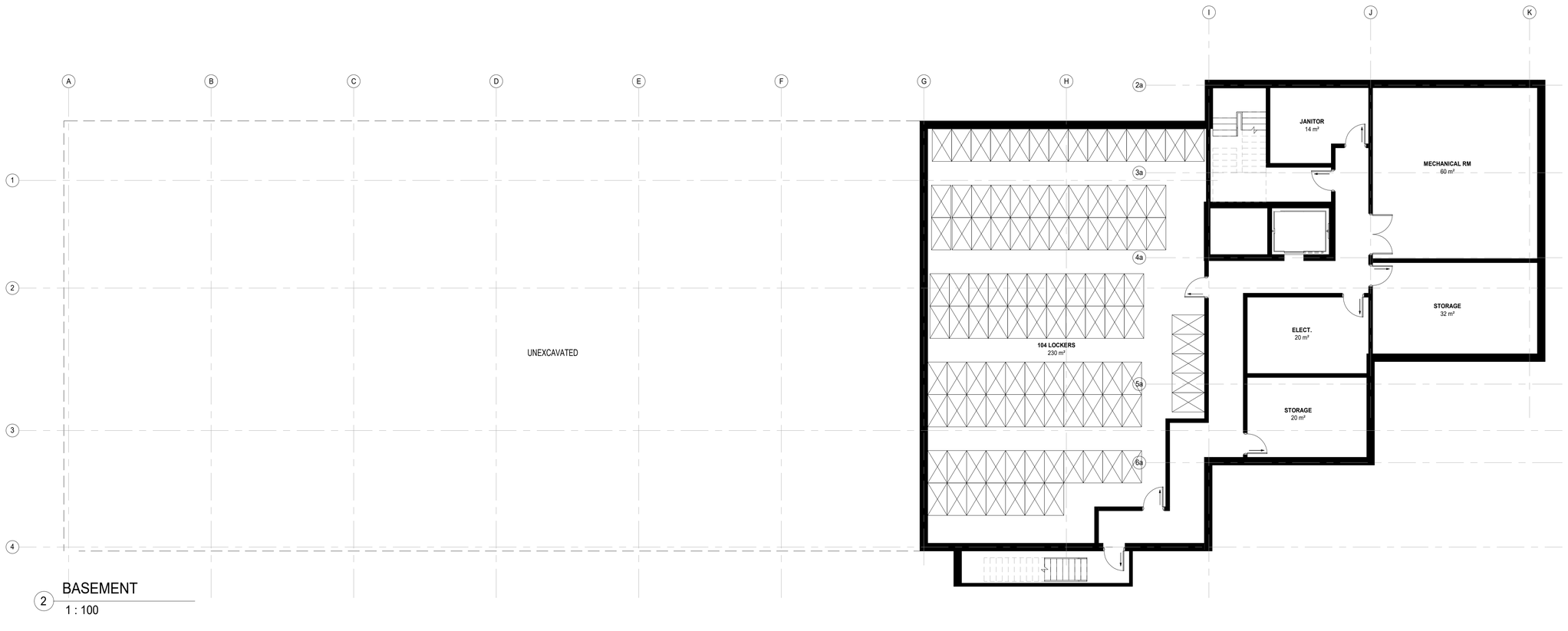
MASTER SITE PLAN

BUILDING 1-2-3

A0-1 2



1 FLR 1
1 : 100



2 BASEMENT
1 : 100

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13656 EMIL KOLB PARKWAY
BOLTON, ON

CAMCOS LIVING

Project No.	23005
Scale	1 : 100
Drawn By	Author
Checked By	Checker

SPA BUILDING 1 FLOOR PLANS

BUILDING 1-2-3

A1-0 3

2 FLR 6
1 : 100

1 FLR 2 to 5TH
1 : 100

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Unit Types

- TYPE A
- TYPE B
- TYPE B1
- TYPE C
- TYPE C1
- TYPE D
- TYPE E
- TYPE F
- TYPE G
- TYPE H

No.	Description	Date
No.	Description	Date

Revision Schedule

Project Title

Project Description

BOLTON VILLAGE

13656 EMIL KOLB PARKWAY
BOLTON, ON

CAMCOS LIVING

Project No.	23005
Scale	1 : 100
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Checked By	Checker

SPA BUILDING 1 FLOOR PLANS

BUILDING 1-2-3

A1-1 4

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2 FLR 7

1 : 100

1 FLR 8

1 : 100

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No	Description	Date

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Project No.	23005
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SPA BUILDING 1 FLOOR PLANS

BUILDING 1-2-3

A1-2 5

2 BUILDING 1 - EAST ELEVATION

1 : 150

1 BUILDING 1 - SOUTH ELEVATION

1 : 150

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Project Title

Project Description

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CAMCOS LIVING

Project No.	23005
Scale	1 : 150
Drawn By	Author
Checked By	Checker

SPA BUILDING 1 ELEVATIONS

BUILDING 1-2-3

A2-0 6

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2 BUILDING 1 - WEST ELEVATION

1 : 150

1 BUILDING 1- NORTH ELEVATION

1 : 150

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BOLTON, ON

CAMCOS LIVING

Project No.	23005
Scale	1 : 150
Drawn By	Author
Checked By	Checker

SPA BUILDING 1 ELEVATIONS

BUILDING 1-2-3

A2-1

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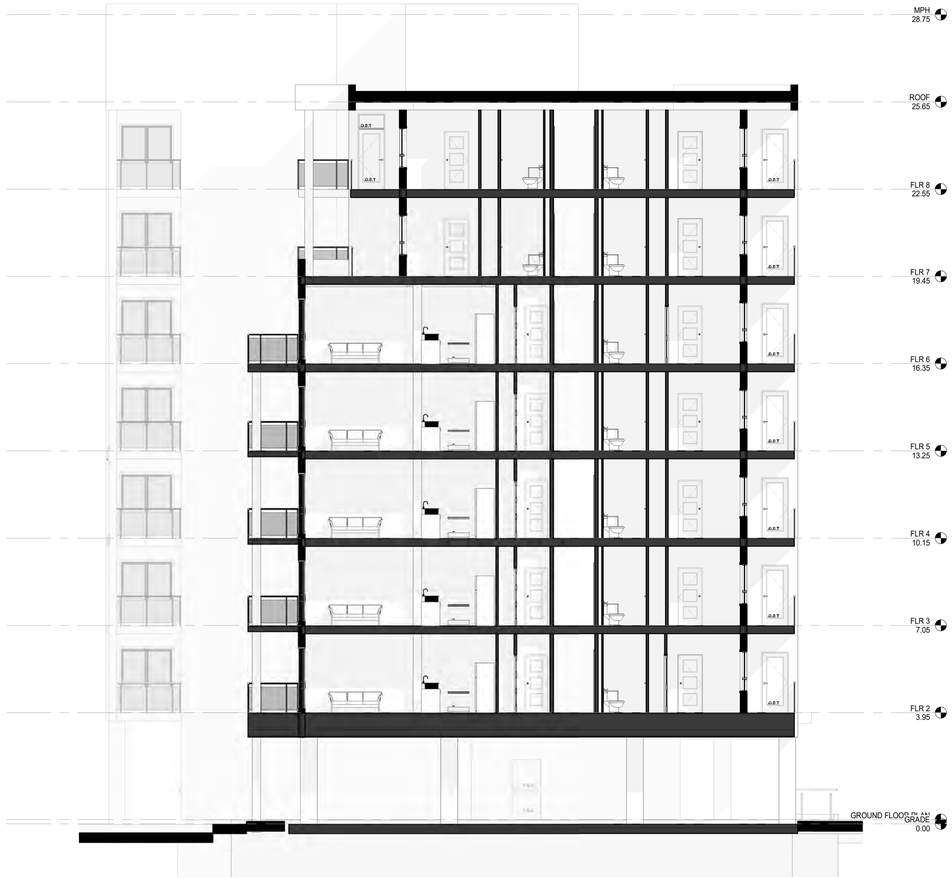

1 BUILDING 1 CROSS SECTION

1 : 100

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No	Description	Date
No	Description	Date

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BOLTON VILLAGE

13656 EMIL KOLB PARKWAY
BOLTON, ON

CAMCOS LIVING

Project No.	23005
Scale	1 : 100
Drawn By	Author
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BUILDING SECTIONS

BUILDING 1-2-3

A3-0 8

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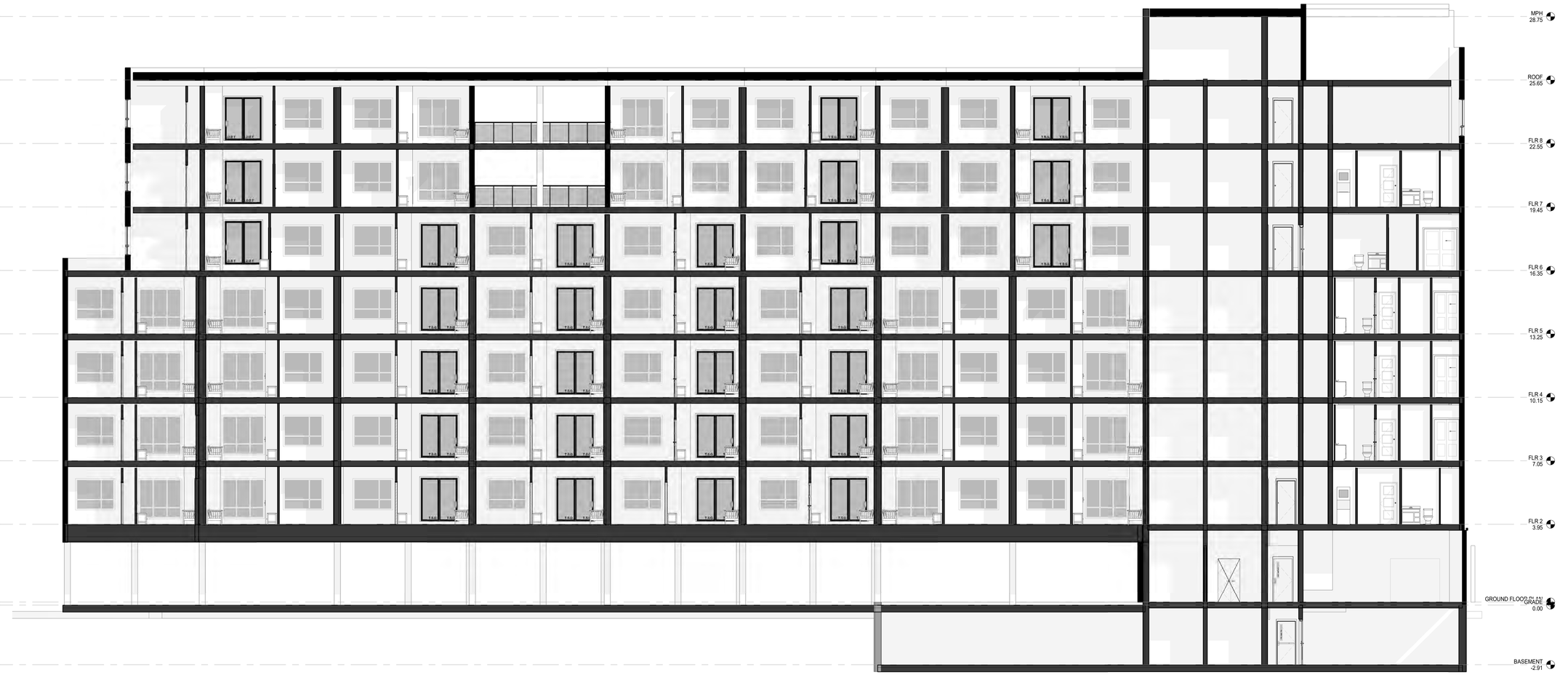

1 BULDING 1 - LONGITUDINAL SECTION

1 : 100

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13656 EMIL KOLB PARKWAY
BOLTON, ON

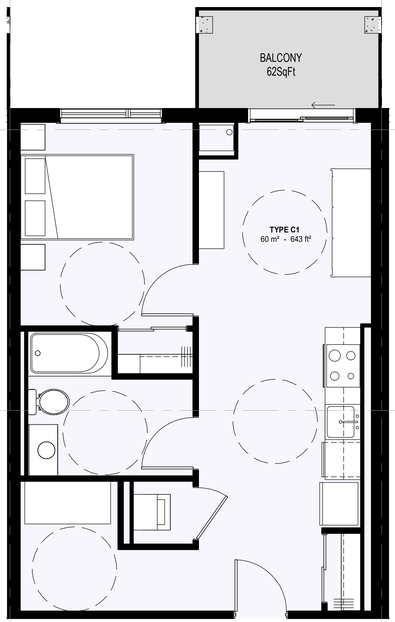
CAMCOS LIVING

Project No.	23005
Scale	1 : 100
Drawn By	Author
Checked By	Checker

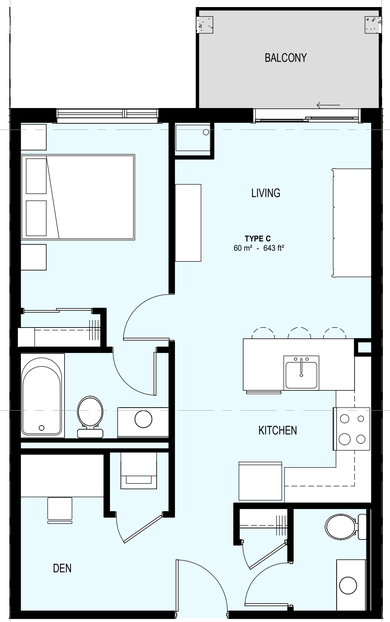
BUILDING SECTIONS

BUILDING 1-2-3

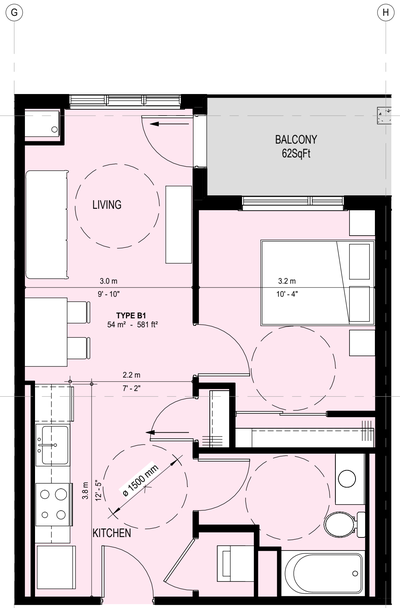
A3-1 9



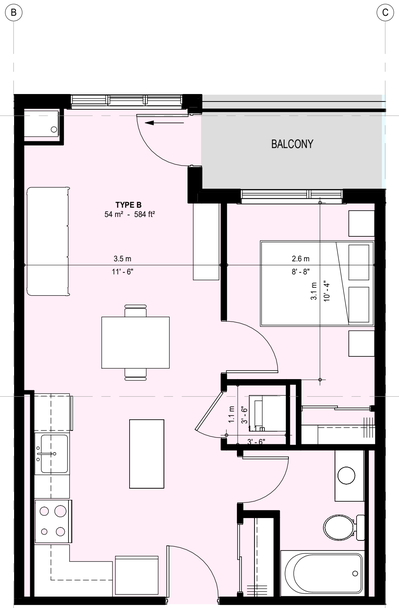
6 1 BED + DEN (TYPE C1-ACC)
1 : 50



5 1 BED + DEN (TYPE C)
1 : 50



4 1 BED (TYPE B1-ACC)
1 : 50

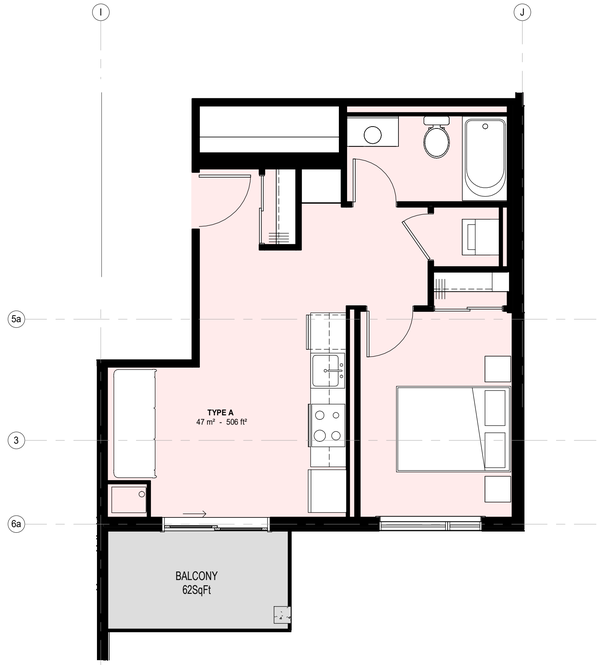


3 1 BED (TYPE B)
1 : 50

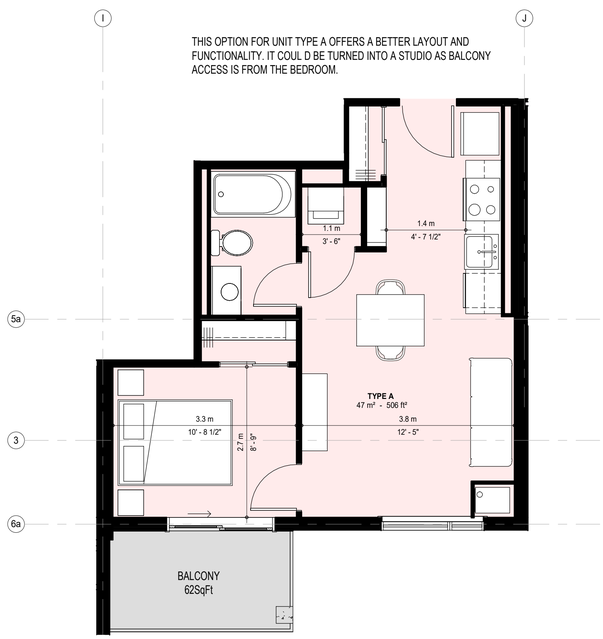
BUILDING 1 UNIT MATRIX

Suite Type	UNIT TYPE	Avg SF	QTY 2ND, 3RD, 4TH, 5TH FLOOR	QTY 6TH FLOOR	QTY 7TH FLOOR	QTY 8TH FLOOR	TOTALS	%
1 BED	A	506	1	1	1	0	6	6%
1 BED	B	584	2	0	0	0	8	8%
1 BED - ACC	B1	584	1	0	0	0	4	4%
1 B + D, 1.5B	C	643	3	3	0	0	15	15%
1 B + D, 1.5B -ACC	C1	643	1	0	0	0	4	4%
2BED, 2BATH	D	710	4	4	6	6	32	31%
2BED, 2BATH	E	707	1	0	0	0	4	4%
2BED, 2BATH	F	757	1	1	1	1	7	7%
2BED, 2BATH	G	750	1	1	1	1	7	7%
2 BED + D, 2BATH	H	758	1	1	1	0	6	6%
2 BED + D, 2BATH	I	773	0	0	0	0	0	0%
3 BED + D, 2B ACC	I1	773	0	2	2	2	6	6%
3 BED	J	883	0	0	1	1	2	2%
3 BED - ACC	J1	883	0	1	0	0	1	1%
Total per floor			16	14	13	11	102	100%

Total # of units/bdrm type		Accessible units
1 bed	29	4.35
2 bed	56	8.40
3 bed	2	0.30



2 1 BED (TYPE A) OPT 2
1 : 50



1 1 BED (TYPE A) OPT 1
1 : 50

Q4 ARCHITECTS INC.
4110 Yonge Street
Suite 602,Toronto,ON.
M2P 2B7
T. 416.322.6334
F. 416.322.7294
E. info@q4architects.com

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PROFESSIONAL STAMP

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Issued For:

Issued for Client Review	2025-01-23

No.	Description	Date

Revision Schedule

Project Title

Project Description

BOLTON VILLAGE

13656 EMIL KOLB PARKWAY
BOLTON, ON

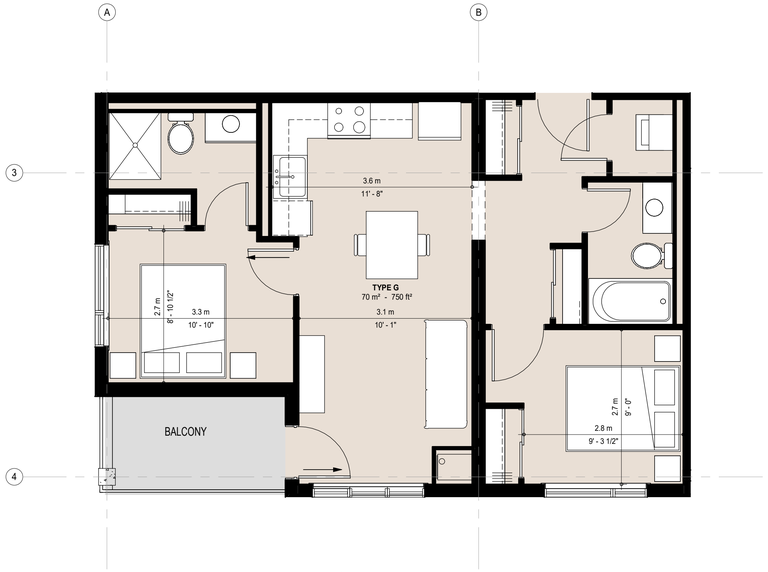
CAMCOS LIVING

Project No.	23005
Scale	As indicated
Drawn By	Author
Checked By	Checker

BUILDING 1 UNIT PLANS

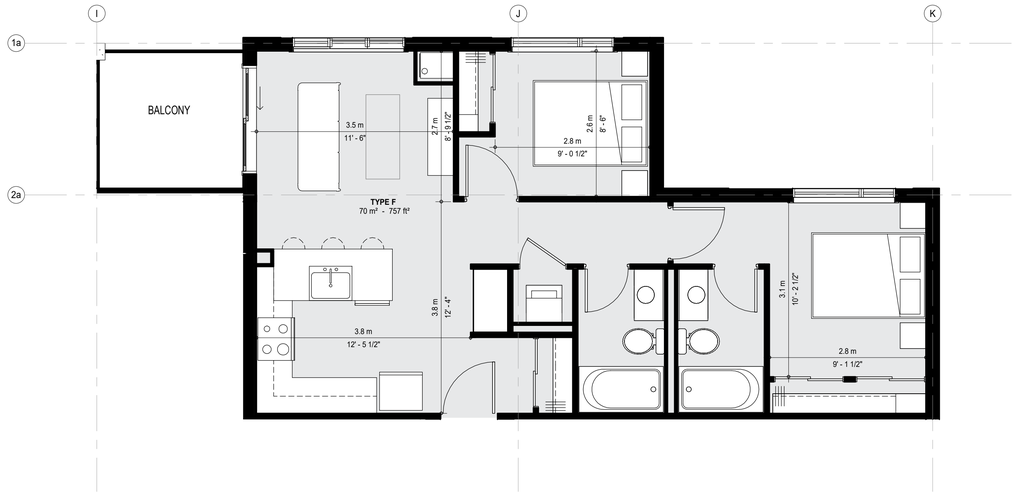
BUILDING 1-2-3

A6-1 10



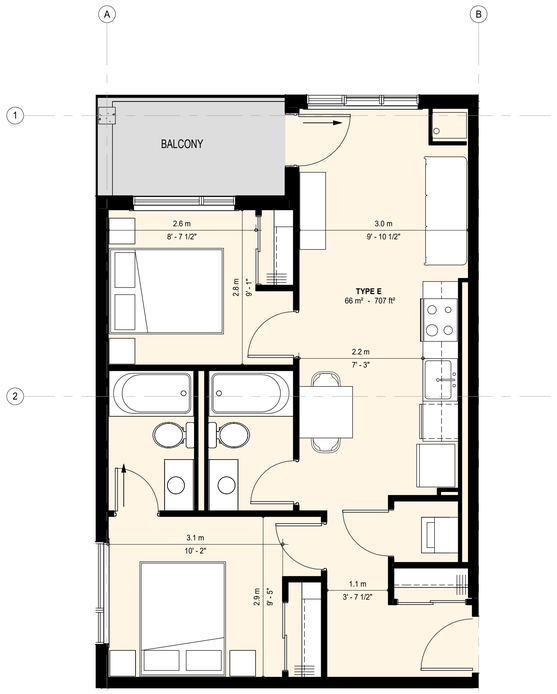
5 2 BED + 2 BATH (TYPE G)

1 : 50



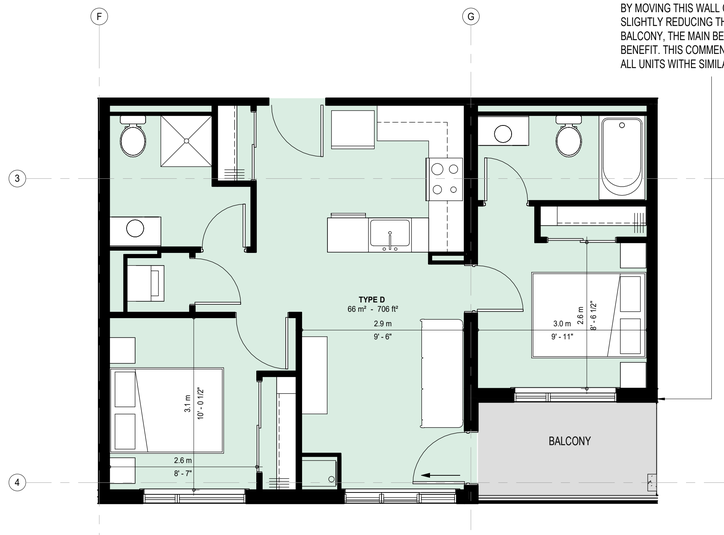
4 2 BED + 2 BATH - (TYPE F)

1 : 50



3 2 BED + 2 BATH (TYPE E)

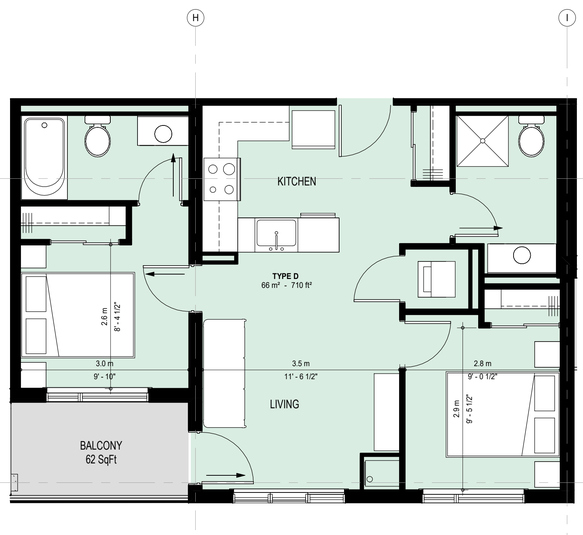
1 : 50



BY MOVING THIS WALL OUT AND SLIGHTLY REDUCING THE DEPTH OF THE BALCONY, THE MAIN BEDROOM WILL BENEFIT. THIS COMMENT APPLIES TO ALL UNITS WITHE SIMILAR CONDITION

2 2 BED + 2 BATH (TYPE D) OPT 2

1 : 50



1 2 BED + 2 BATH (TYPE D) OPT 1

1 : 50

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No.	Description	Date

Revision Schedule

Project Title

Project Description

BOLTON VILLAGE

13656 EMIL KOLB PARKWAY
BOLTON, ON

CAMCOS LIVING

Project No.	23005
Scale	1 : 50
Drawn By	Author
Checked By	Checker

BUILDING 1 UNIT PLANS

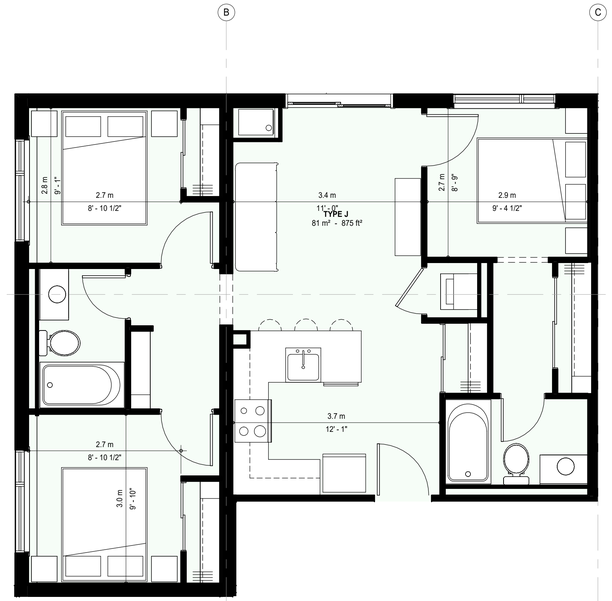
BUILDING 1-2-3

A6-2 10

2025-01-23 2:37:18 PM C:\Users\cgonzalez\Documents\Bolton_SPA_cgonzalezA3TWL.rvt

6 2B + 2B + D (TYPE I1 - ACC)
1 : 50

3 3 BED + (TYPE J1 - ACC)
1 : 50



5 3 BED (TYPE J)
1 : 50

2 2B + 2B + D - TYPE I
1 : 50

1 2B + 2B + D (TYPE H- CORNER) OPT 2
1 : 50

4 2B + 2B + D (TYPE H- CORNER) OPT 1
1 : 50

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Revision Schedule

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Project Description

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13656 EMIL KOLB PARKWAY
BOLTON, ON

CAMCOS LIVING

Project No.	23005
Scale	1 : 50
Drawn By	Author
Checked By	Checker

BUILDING 1 UNIT PLANS

BUILDING 1-2-3

A6-3 10

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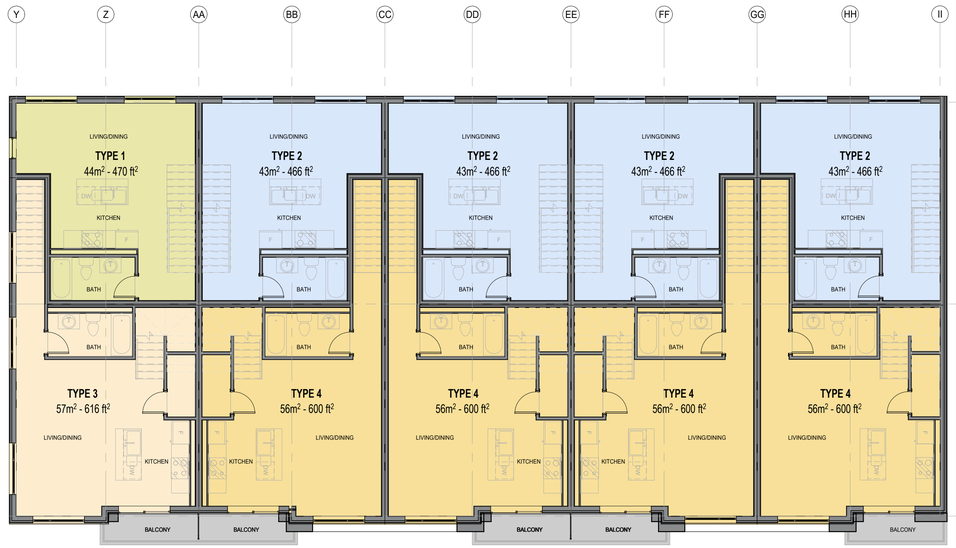
BUILDING 2



BUILDING 3

2 TOWNHOUSE - FLR 2

1 : 100

BUILDING 2

BUILDING 3

1 TOWNHOUSE - FLR 1

1 : 100

BUILDING 2 & 3 UNIT MATRIX

UNIT TYPE	Avg SF	QTY	%
TYPE 1	1500	3	14%
TYPE 2	1450	8	36%
TYPE 3	1620	3	14%
TYPE 4	1575	8	36%
Total # of Units		22	100%

Q4A ARCHITECTS

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Issued For:

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No.	Description	Date

Revision Schedule

Project Title

Project Description

BOLTON VILLAGE

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BOLTON, ON

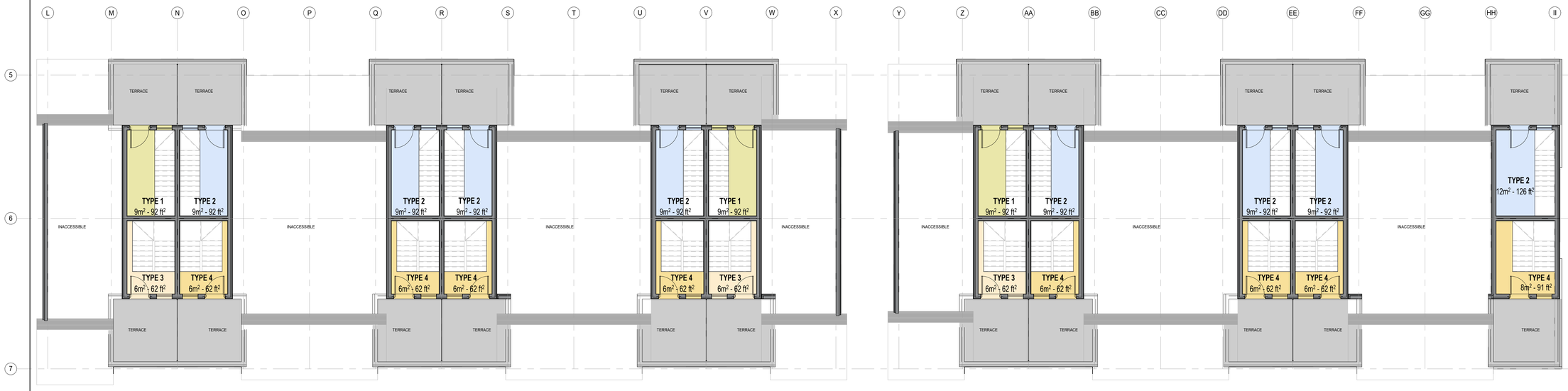
CAMCOS LIVING

Project No.	23005
Scale	1 : 100
Drawn By	Author
Checked By	Checker

SPA BUILDING 2&3 (TOWNHOUSE) FLOOR PLANS

BUILDING 1-2-3

A7-0 5



2 TOWNHOUSE - FLR 4

1 : 100

1 FLR 3

1 : 100

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Q4 ARCHITECTS

ARCHITECTS

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No.	Description	Date

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Project Title

Project Description

BOLTON VILLAGE

13656 EMIL KOLB PARKWAY
BOLTON, ON

CAMCOS LIVING

Project No.	23005
Scale	1 : 100
Drawn By	Author
Checked By	Checker

SPA BUILDING 2&3 (TOWNHOUSE) FLOOR PLANS

BUILDING 1-2-3

A7-1

5

1 STACK B2B - NORTH

1 : 150

3 STACK B2B - EAST

1 : 150

4 STACK B2B - WEST

1 : 150

2 STACK B2B - SOUTH

1 : 150

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No	Description	Date

Revision Schedule

Project Title

Project Description

BOLTON VILLAGE

13656 EMIL KOLB PARKWAY
BOLTON, ON

CAMCOS LIVING

Project No.	23005
Scale	1 : 150
Drawn By	Author
Checked By	Checker

SPA BUILDING 2&3 (TOWNHOUSE) ELEVATIONS

BUILDING 1-2-3

A7- 2 7

Appendix C Traffic Data

Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

Date: June 7, 2024
Requestor: Colin Jakubec, SLR Consulting (Canada) Ltd
Request Type: Noise Traffic Data Request
Location: King Street - 300m East of Coleraine Drive

Colin Jakubec,

As per your request, please see below traffic data from 2019:

	Existing	**Ultimate**
24 Hour Traffic Volume	8944	16200
# of Lanes	2	2
Day/Night Split	90/10	90/10
Day Trucks (% of Total Volume)	4.3% Medium 0.6% Heavy	4.3% Medium 0.6% Heavy
Night Trucks (% of Total Volume)	5.9% Medium 0.4% Heavy	5.9% Medium 0.4% Heavy
Right-of-Way Width	30 meters	
Posted Speed Limit	50 km/h	

Note:
1. The current volume is not the Annual Average Daily Traffic, but the averaged raw volumes over three data collection days. For Annual Average Traffic Volume, visit the Peel Open Data website below: http://opendata.peelregion.ca/data-categories/transportation/traffic-count-stations.aspx'2. The ultimate volume is the planned volume during a level of service 'D' where a 2 second vehicle headway and a volume to capacity ratio of 0.9 is assumed. Traffic signals and hourly variations in traffic are also incorporated into the ultimate volume.

If you require further assistance, please contact me at transportationplanningdata@peelregion.ca

Regards,

Karan Bedi
Intermediate Planner, Transportation Planning
Transportation Division | Public Works | Region of Peel
10 Peel Centre Drive, Suite B, 4th Floor
Brampton, ON L6T 4B9

Date: June 5, 2024
Requestor: Jason Dorssers, SLR Consulting (Canada) Ltd
Request Type: Noise Traffic Data Request
Location: Coleraine Drive - 150m South of Harvest Moon Drive

Jason Dorssers,

As per your request, please see below traffic data from 2019:

	Existing	**Ultimate**
24 Hour Traffic Volume	13896	32400
# of Lanes	4	4
Day/Night Split	88/12	88/12
Day Trucks (% of Total Volume)	0.8% Medium 6.3% Heavy	0.8% Medium 6.3% Heavy
Night Trucks (% of Total Volume)	0.7% Medium 5% Heavy	0.7% Medium 5% Heavy
Right-of-Way Width	30 meters	
Posted Speed Limit	60 km/h	

Note:
1. The current volume is not the Annual Average Daily Traffic, but the averaged raw volumes over three data collection days. For Annual Average Traffic Volume, visit the Peel Open Data website below: http://opendata.peelregion.ca/data-categories/transportation/traffic-count-stations.aspx'2. The ultimate volume is the planned volume during a level of service 'D' where a 2 second vehicle headway and a volume to capacity ratio of 0.9 is assumed. Traffic signals and hourly variations in traffic are also incorporated into the ultimate volume.

If you require further assistance, please contact me at transportationplanningdata@peelregion.ca

Regards,

Karan Bedi
Intermediate Planner, Transportation Planning
Transportation Division | Public Works | Region of Peel
10 Peel Centre Drive, Suite B, 4th Floor
Brampton, ON L6T 4B9

1290 Central Parkway West
Mississauga, Ontario
Canada L5C 4R3

T 905 803 3429
E josie_tomei@cpr.ca

October 30, 2017

Via email: hpatlik@jecoulterassoc.com

Howard Patlik
JE Coulter
1210 Sheppard Ave. East
North York, ON M2K 1E3

Dear Sir/Madam:

Re: Rail Traffic Volumes, CP Mileage 1.66 to 2.03, Mactier Subdivision, Black Creek Drive to Eglinton Avenue West

This is in reference to your request for rail traffic data in the vicinity of Black Creek Drive to Eglinton Avenue West in the City of Toronto. The study area is located at mile 1.66 to 2.03 of our Mactier Subdivision, which is classified as a Principle Main line.

The information requested is as follows:

1. Number of freight trains between 0700 & 2300: 11
   Number of freight trains between 2300 & 0700: 8

2. Average number of cars per train: 63
   Maximum cars per train freight: 179

3. Number of locomotives per train: 2 (4 Maximum)

4. Maximum permissible train speed is 35 miles per hour (freight)

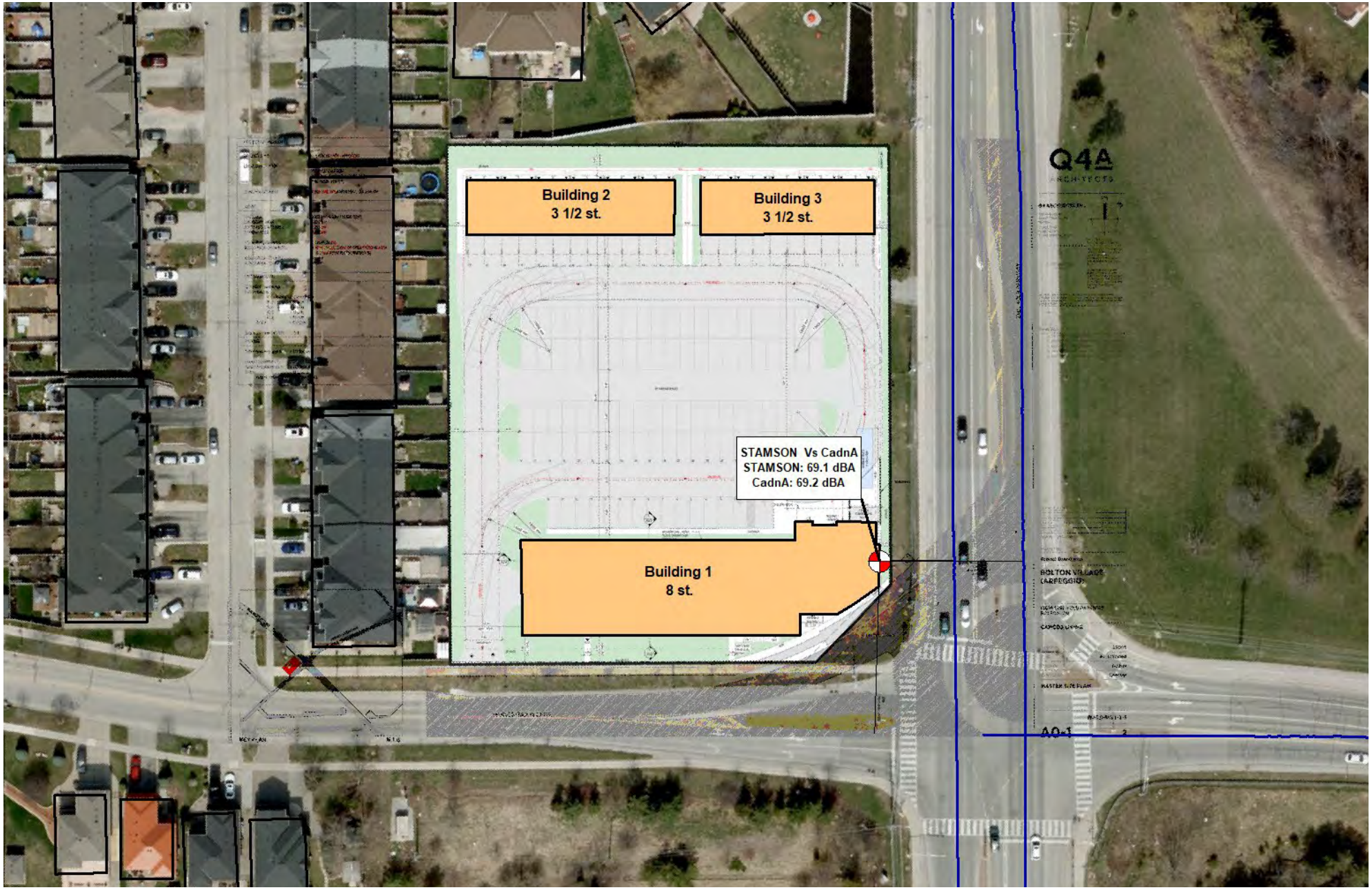
5. Whistle signal is prohibited approaching public grade crossings through the study area. However, the whistle may be sounded if deemed necessary by the train crew for safety reasons.

6. There is 1 main line track at this location with continuously welded rail.

The information provided is based on recent rail traffic. Variations of the above may exist on a day-to-day basis. Specific measurements may also vary significantly depending on customer needs.

Yours truly,

Josie Tomei SR/WA
Specialist Real Estate Sales & Acquisitions – Ontario



CAMCOS (BOLTON VILLAGE) INC.	True North	Scale: 1:1,000	METRES	SLR
13656 & 13668 EMIL KOLB PARKWAY, BOLTON		Date: Feb. 2025 Rev. 0	Figure No. **C.1**	
STAMSON VS CADNA		Project No. 241.031536.00001		

STAMSON 5.0 NORMAL REPORT Date: 07-02-2025 10:58:10
MINISTRY OF ENVIRONMENT AND ENERGY / NOISE ASSESSMENT

Filename: BoltonVi.te Time Period: 16 hours
Description: 1st Floor Receptor

Road data, segment # 1: ColeraineNB

Car traffic volume : 6622 veh/TimePeriod
Medium truck volume : 57 veh/TimePeriod
Heavy truck volume : 449 veh/TimePeriod
Posted speed limit : 60 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 1: ColeraineNB

Angle1 Angle2 : -90.00 deg 90.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0
Surface : 2 (Reflective ground surface)
Receiver source distance : 27.60 m
Receiver height : 1.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

↟
Road data, segment # 2: ColeraineSB

Car traffic volume : 6622 veh/TimePeriod
Medium truck volume : 57 veh/TimePeriod
Heavy truck volume : 449 veh/TimePeriod
Posted speed limit : 60 km/h
Road gradient : 0 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 2: ColeraineSB

Angle1 Angle2 : -90.00 deg 90.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0
Surface : 2 (Reflective ground surface)
Receiver source distance : 15.00 m
Receiver height : 1.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00

↟
Road data, segment # 3: King

```
----------------------------
Car traffic volume  : 13866 veh/TimePeriod
Medium truck volume :   627 veh/TimePeriod
Heavy truck volume  :    87 veh/TimePeriod
Posted speed limit  :    50 km/h
Road gradient       :     0 %
Road pavement       :     1 (Typical asphalt or concrete)

Data for Segment # 3: King
--------------------------
Angle1   Angle2           : -90.00 deg   -30.00 deg
Wood depth                :      0       (No woods.)
No of house rows          :      0
Surface                   :      2       (Reflective ground surface)
Receiver source distance  :  33.34 m
Receiver height           :   1.50 m
Topography                :      1       (Flat/gentle slope; no barrier)
Reference angle           :   0.00

🠝
Results segment # 1: ColeraineNB
--------------------------------

Source height = 1.58 m

ROAD (0.00 + 64.32 + 0.00) = 64.32 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj SubLeq
-------------------------------------------------------------------------------
   -90     90   0.00  66.96   0.00  -2.65   0.00   0.00   0.00   0.00  64.32
-------------------------------------------------------------------------------

Segment Leq : 64.32 dBA

🠝
Results segment # 2: ColeraineSB
--------------------------------

Source height = 1.58 m

ROAD (0.00 + 66.96 + 0.00) = 66.96 dBA
Angle1 Angle2  Alpha RefLeq  P.Adj  D.Adj  F.Adj  W.Adj  H.Adj  B.Adj SubLeq
-------------------------------------------------------------------------------
   -90     90   0.00  66.96   0.00   0.00   0.00   0.00   0.00   0.00  66.96
-------------------------------------------------------------------------------

Segment Leq : 66.96 dBA

🠝
Results segment # 3: King
-------------------------
```

Source height = 0.88 m

ROAD (0.00 + 56.37 + 0.00) = 56.37 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	-30	0.00	64.61	0.00	-3.47	-4.77	0.00	0.00	0.00	56.37

Segment Leq : 56.37 dBA

Total Leq All Segments: 69.09 dBA

TOTAL Leq FROM ALL SOURCES: 69.09

Appendix D Surrounding Industry List

Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

Land Uses Surrounding 13656 & 13668 Emil Kolb Parkway in Bolton, Ontario

Name	Address	Description	MECP ECA or EASR No. (Date)	MECP Guideline D-6					
				Class	A of I	R M S	Actual Dist.	Within A of I?	Within R M S?
Ontario Best Carrier	13431 Coleraine Drive	Transportation service	N/A	II	300	70	485	-	-
Mars Food	57 Holland Drive	Manufacturer	9261-6LSP48	II	300	70	630	-	-
Mars Canada	37 Holland Drive	Food manufacturer	0222-6LKMMW	III	1000	300	950	Yes	-
Nuvo Iron(Formally Sauder Industries Limited)	13371 Coleraine Drive	Manufacturer	6428-A4DU2Q	II	300	70	820	-	-
United Rentals	13352 Coleraine Drive	Safety equipment supplier	N/A	II	300	70	925	-	-
Ritchie Bros. Auctioneers (Canada) Ltd.	5 Manchester Court	Construction equipment supplier	0868-4HPS7E	II	300	70	550	-	-
Aluma Systems	2 Manchester Court	Concrete contractor	N/A	II	300	70	375	-	-
DB Schenker	4 Manchester Court	Warehouse	N/A	II	300	70	330	-	-
Prodigy Personally	6 Manchester Court	Warehouse	N/A	II	300	70	305	-	-
Beaver Transportation	6 Manchester Court	Delivery Service	N/A	II	300	70	305	-	-
Permacon Bolton	3 Betomat Crt	Construction company	8680-72UJG5	II	300	70	930	-	-
RONI Group	5 Betomat Crt	Excavating Contractor	N/A	II	300	70	910	-	-

Appendix E Permacon Bolton

Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

Ontario

Ministry of the Environment **Ministère de l'Environnement**

AMENDED CERTIFICATE OF APPROVAL
AIR
NUMBER 8680-72UJG5
Issue Date: August 17, 2009

Oldcastle Building Products Canada, Inc.
3 Betomat Crt
Caledon, Ontario
L7E 2V9

Site Location: Permacon Bolton
3 Betomat Crt
Caledon Town, Regional Municipality of Peel

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) concrete products manufacturing facility operating at a maximum production rate of 200,000 tonnes of product per year, including the following equipment/operations exhausting to the atmosphere:

Existing Equipment

- four (4) baghouse dust collectors, to control emission from the cementious silos, as described below:

- one (1) passive baghouse dust collector, to control emissions from cement silo No. 1 having a capacity of about 60 tonnes, complete with polyester filter bags, having a filtering area of 31 square metres and a shaker cleaning system, discharging into the atmosphere, through a stack, having an exit diameter of 0.8 metre, extending 8.8 metres above grade;

- one (1) passive baghouse dust collector, to control emissions from cement silo No. 2 having a capacity of about 60 tonnes complete with polyester filter bags, having a filtering area of 31 square metres and a shaker cleaning system, discharging into the atmosphere, through a stack, having an exit diameter of 0.8 metre, extending 8.8 metres above grade;

- two (2) identical passive baghouse dust collectors, to control emissions from a split cement silo No. 3 having a capacity of about 60 tonnes (compartment A) and 40 tonnes (compartment B) each complete with polyester filter bags, each having a filtering area of 10 square metres and a pulse jet cleaning system, discharging into the atmosphere, through a stack, having an exit diameter of 0.8 metre, extending 17.6 metres above grade;

- one (1) propane fired furnace and fourteen (14) propane having a total maximum heat input of 4,220,000joules per hour, each discharging into the atmosphere through an independent stack;

- the delivery, storage and transfer of raw materials;

New Equipment

- one (1) baghouse dust collector, to control emissions from a product tumbler complete with polyester filter bags, having a filtering area of 85.6 square metres and a pulse jet cleaning system, discharging into the atmosphere at a volumetric flow rate of 2.4 cubic metres per second, through a stack, having an exit diameter of 0.8 metre, extending 1.0 metre above the roof and extending 7.5 metres above grade;

- one (1) diesel fired engine having a maximum heat input of 158,000 kilojoules per hour, discharging into the atmosphere through a stack, having an exit diameter of 0.05 metre, extending 0.4 metre above the roof and extending 7.0 metres above grade;

- one (1) propane fired heating unit having a maximum heat input of 68,523 kilojoules per hour, discharging into the atmosphere through a stack, having an exit diameter of 0.03 metre, extending 0.4 metre above the roof and 8 metres above

grade;

- four (4) propane fired heating units of which three are identical and each having a maximum heat input of 105,400 kilojoules per hour and one (1) with maximum heat input of 210,800 kilojoules per hour, each discharging into the atmosphere through an identical side mounted exhaust, having an exit diameter of 0.2 metre and extending 7.4 metres above grade;

- one (1) general exhaust system serving the tumbler building, discharging into the atmosphere at a volumetric flow rate of 3.2 cubic metres per second through a square exit, measuring 0.8 metre by 0.8 metre, extending 7.4 metres above grade;

all in accordance with the Application for Approval (Air) submitted by Oldcastle Building Products Canada, Inc. dated December 4, 2006 and signed by Kelly Walker; Emission Summary and Dispersion Modelling Report prepared by Pottinger Gaherty Environmental Consultants Ltd. dated November 2006, Acoustic Assessment Report, dated December 12, 2006 and prepared by Pinchin Environmental; letters from Aercoustics Engineering Limited, dated July 18, 2008, July 29, 2008 and August 11, 2009 all signed by Bob Rimrott; correspondence from Alexandre Quirion of Permacon dated June 23, 2009 along with postmeasurement data from Aercoustics Engineering Limited dated June 15, 2009, including all the supporting information associated with the application.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(1) "Act" means the *Environmental Protection Act*;

(2) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;

(3) "Company" means Oldcastle Building Products Canada, Inc.;

(4) "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the Act;

(5) "District Manager" means the District Manager, Halton- Peel District Office, Central Region of the Ministry;

(6) "Equipment" means baghouse dust collectors, the diesel fired engine, the propane fired heating units and the general exhaust system described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

(7) "Facility" means the entire operation located on the property where the Equipment is located;

(8) "Manual" means a document or a set of documents that provide written instructions to staff of the Company;

(9) "Ministry" means the Ontario Ministry of the Environment; and

(10) “Publication NPC-205” means the Ministry Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995;

(11) “Publication NPC-207” means the draft technical publication “Impulse Vibration in Residential Buildings”, as amended, supplementing the Model Municipal Noise Control By-Law, Final Report, August 1978, published by the Ministry;

(12) “Publication NPC-232” means the Ministry Publication NPC-232, Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), October, 1995;

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

PERFORMANCE

1. The Company shall ensure that the noise and vibration emissions from the Facility comply with the limits set in Publications NPC-205, NPC-232 and NPC-207, as applicable.

2. The Company shall ensure that the overhead door on the east side of the Tumbling Plant remains closed at all times while the Tumbling Plant is in operation.

3. The Company shall ensure that Bay Door 1 and Bay Door 2 of the main building, identified as *S1* and *S2* in Figure 2.2 of the letter from Aercoustics dated September 12, 2007, remain closed during evening and night time hours from 7pm to 7am.

4. The Company shall ensure that the following vibration mitigation measures are implemented and maintained in good working order:

(1) The block machine vibration isolation system, consisting of neoprene or rubber vibration isolators providing a nominal static deflection of 8 millimetres (0.3 inches) supporting the machine's main frame structure from the floor;

(2) Steel coil spring vibration isolators providing a nominal static deflection of 8 millimetres (0.3inches) to isolate other components rigidly attached to the block machine's main structure from the floor; and

(3) Vibration isolation consisting of neoprene/rubber isolators for the conveyor used to transport the product after being pressed in the block machine.

5. The Company shall ensure that the following noise mitigation measures are implemented and maintained in good working order:

(1) The block machine enclosure system providing noise attenuation as described in the report by Aercoustics Engineering Limited dated June 15, 2009 and signed by Bob Rimrott P.Eng.; and

(2) The dust collector partial enclosure system providing attenuation as described in the report by Aercoustics Engineering Limited dated June 15, 2009 and signed by Bob Rimrott P.Eng.;

OPERATION AND MAINTENANCE

6. The Company shall provide effective dust suppression to the storage piles and any other sources of fugitive dust emissions at the site.

7. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

(1) prepare, not later than three (3) months after the date of this Certificate, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

> (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
>
> (b) emergency procedures;
>
> (c) procedures for any record keeping activities relating to operation and maintenance of the Equipment; and
>
> (d) all appropriate measures to minimize noise and odorous emissions from all potential sources;

(2) implement the recommendations of the Manual.

RECORD RETENTION

8. The Company shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this Certificate, and make these records available for review by staff of the Ministry upon request. The Company shall retain:

(1) all records on the maintenance, repair and inspection of the Equipment; and

(2) all records on the environmental complaints; including:

(a) a description, time and date of each incident to which the complaint relates;

(b) wind direction at the time of the incident to which the complaint relates; and

(c) a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

NOTIFICATION OF COMPLAINTS

9. The Company shall notify the District Manager, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:

(1) a description of the nature of the complaint; and

(2) the time and date of the incident to which the complaint relates.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos.1 to 5 inclusive are included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility.

2. Condition Nos. 6 and 7 are included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

3. Condition No. 8 is included to require the Company to keep records and to provide information to staff of the Ministry so that compliance with the Act, the Regulations and this Certificate can be verified.

4. Condition No. 9 is included to require the Company to notify staff of the Ministry so as to assist the Ministry with the review of the site's compliance.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 8-4035-77-006 issued on June 16, 1977

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;

8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*	AND	The Environmental Commissioner	AND	The Director
Environmental Review Tribunal		1075 Bay Street, 6th Floor		Section 9, *Environmental Protection Act*
2300 Yonge St., Suite 1700		Suite 605		Ministry of the Environment
P.O. Box 2382		Toronto, Ontario		2 St. Clair Avenue West, Floor 12A
Toronto, Ontario		M5S 2B1		Toronto, Ontario
M4P 1E4				M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 17th day of August, 2009

Victor Low, P.Eng.
Director
Section 9, *Environmental Protection Act*

AK/
c: District Manager, MOE Halton-Peel
Roslyn M. Miller, Pinchin Environmental

Appendix F Ritchie Bros. Auctioneers (Canada) Ltd.

Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

Ontario

Ministry of the Environment | **Ministère de l'Environnement**

AMENDED CERTIFICATE OF APPROVAL
AIR
NUMBER 0868-4HPS7E

Ritchie Bros. Auctioneers (Canada) Ltd.
40 Elgin Street, Suite 1400
Ottawa, Ontario
K1P 5K6

Site Location: 5 Manchester Court
Caledon Town, Regional Municipality of Peel
L7E 5T5

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) baghouse dust collector, to control emissions from the sandblasting operation, complete with cellulose substrate filter material having a filtering area of 1,699 square metres and a pulse jet cleaning system, discharging into the atmosphere at a maximum volumetric flowrate of 20.3 actual cubic metres per second at ambient temperature, through a stack, having exit dimensions of 0.5 metre by 3.87 metres, extending 2.13 metres above grade;

- one (1) paint spray booth for the application of solvent based coatings at a maximum rate of 37.85 litres per hour, equipped with two (2) natural gas fired make up air units each having a maximum heat input of 7,596,500 kilojoules per hour, four (4) paint spray guns and 45.52 square metres of dry type paint arrestor filters, exhausting into the atmosphere via eight exhaust fans each having a volumetric flow rate of 8.9 actual cubic metres per second at an approximate temperature of 71 degrees Celsius, through eight stacks, each stack having an exit diameter of 0.91 metre, extending 1.52 metres above roof and 10.8 metres above grade;

all in accordance with the application for a Certificate of Approval (Air), and all supporting information dated June 2, 1999 and signed by Mr. Kelly Vandenberghe, as well as additional information provided by Environmental Associates Inc., dated June 22, 1999, June 30, 1999 and November 15, 1999 and signed by Joe Michaelchuck.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(i) "Act" means the *Environmental Protection Act;*

(ii) "Certificate" means this Certificate of Approval issued in accordance with the Act;

(iii) "Company" means Ritchie Bros. Auctioneers (Canada) Ltd.;

(iv) "Equipment" means the blast booth, the baghouse and the spray booth/curing oven described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

(v) “Manual” means a document or a set of documents that provide written instructions to staff of the Company; and

(vi) "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

(1) prepare, not later than three (3) months after the date of this Certificate, and update as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures;

(c) procedures for any record keeping activities relating to operation and maintenance of the Equipment; and

(d) all appropriate measures to minimize odorous emissions from all potential sources; and

(2) implement the recommendations of the operating and maintenance Manual; and

(3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

In addition the Company is required to keep records and to provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 8-3184-99-006 issued on July 19, 1999.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Appeal Board
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 30th day of March, 2000

Dave Staseff, P.Eng.
Director
Section 9, *Environmental Protection Act*

CL/
c: District Manager, MOE Halton-Peel
Joe Michaelchuck, Environmental Associates, Inc.

Appendix G Mars Food

Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

Ontario

Ministry of the Environment **Ministère de l'Environnement**

AMENDED CERTIFICATE OF APPROVAL
AIR
NUMBER 9261-6LSP48
Issue Date: March 3, 2006

Effem Inc.
37 Holland Drive
Bolton, Ontario
L7E 5S4

Site Location: Foods Plant
57 Holland Drive, Bolton
Town of Caledon, Regional Municipality of Peel, Ontario

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) air make up unit with a maximum heat input of 2,114,000 kilojoules per hour, exhausting into the atmosphere through a stack having an exit diameter of 0.012 metre and extending 0.12 metre above roof and 11.16 metres above grade;

- two (2) natural gas fired heating units having a total maximum heat input of 2,640,000 kilojoules per hour;

- one (1) cooling tower serving the retort area;

- two (2) exhaust fans serving the compactor room, each exhausting into the atmosphere at a volumetric flow rate of 0.08 cubic metres per second through individual stacks each having an exit diameter of 0.01 metres and extending 4 metres above grade;

- one (1) exhaust fan serving the retort area, exhausting into the atmosphere at a volumetric flow rate of 7.81 cubic metres per second through a stack having an exit diameter of 0.71 metres and extending 0.3 metre above roof and 11.34 metres above grade;

- one (1) exhaust fan serving the rice cooker, exhausting into the atmosphere at a volumetric flow rate of 1.89 cubic metres per second through a stack having an exit diameter of 0.305 metres and extending 0.3 metre above roof and 11.34 metres above grade;

- two (2) exhaust fans serving the boiler room, each exhausting into the atmosphere at a volumetric flow rate of 7.81 cubic metres per second through individual stacks each having an exit diameter of 0.71 metres and both extending 0.3 metre above roof and 11.34 metres above grade;

- one (1) exhaust fan serving the cooker and filler area, exhausting room air into the atmosphere at a volumetric flow rate of 7.81 cubic metres per second through a stack having an exit diameter of 0.85 metres and extending 0.3 metre above roof and 11.34 metres above grade; and

- one (1) exhaust fan serving the office, exhausting room air into the atmosphere at a volumetric flow rate of 2.83 cubic metres per second through a stack having an exit diameter of 0.4 metres and extending 0.3 metre above roof and 11.34 metres above grade;

all in accordance with the Application for a Certificate of Approval (Air) dated November 16, 2005 and signed by Mark Galvin (Safety/Technical Manager), Effem Inc., and all supporting information associated with the application dated November 18, 2005 and provided by Barbara Laskarzewska, SENES Consultants Limited.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(1) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;

(2) "Equipment" means the air make up unit, heating units, cooling tower and exhaust fans described in the Owner's application, this Certificate and in the supporting documentation submitted with the application, to the extent approved by this Certificate;

(3) "Owner" means Effem Inc., and includes its successors and assignees;

(4) “Publication NPC-205" means Ministry Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995; and

(5) “Publication NPC-232" means Ministry Publication NPC-232, Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), October, 1995.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.

2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

PERFORMANCE

3. The Owner shall ensure that the noise emissions from the Equipment comply with the limits set out in Publication NPC-205 or NPC-232, as applicable.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition No. 3 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Equipment.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 6505-57RKG4 issued on March 7, 2002

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary* Environmental Review Tribunal 2300 Yonge St., 12th Floor P.O. Box 2382 Toronto, Ontario M4P 1E4	AND	The Environmental Commissioner 1075 Bay Street, 6th Floor Suite 605 Toronto, Ontario M5S 2B1	AND	The Director Section 9, *Environmental Protection Act* Ministry of Environment and Energy 2 St. Clair Avenue West, Floor 12A Toronto, Ontario M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 3rd day of March, 2006

Aziz Ahmed, P.Eng.
Director
Section 9, *Environmental Protection Act*

JP/
c: District Manager, MOE Halton-Peel District Office
Bridget Mills, P.Eng. / Barbara Laskarzewska, E.I.T., SENES Consultants Limited

Appendix H Mars Canada

Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

Ontario

Ministry of the Environment | **Ministère de l'Environnement**

AMENDED CERTIFICATE OF APPROVAL
AIR
NUMBER 0222-6LKMMW
Issue Date: February 16, 2006

Effem Inc.
37 Holland Drive
Bolton, Ontario
L7E 5S4

Site Location: 37 Holland Drive
Caledon Town, Regional Municipality of Peel, Ontario

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

one (1) existing dry pet food manufacturing facility, having maximum processing capacities of 27 tonnes per hour of kibble products and 4.6 tonnes per hour of snacks and treats, consisting of the following:

Proposed

- two (2) natural gas fired comfort heaters, each having a maximum heat input of 52,700 kilojoules per hour, each exhausting into the atmosphere through individual stacks each having an exit diameter of 0.15 metre and extending 3 metres above grade;

- one (1) natural gas fired air handling unit, having a maximum heat input of 250,370 kilojoules per hour, exhausting into the atmosphere through a stack, having an exit diameter of 0.15 metre, extending 2 metres above grade;

- one (1) natural gas fired domestic water heater, having a maximum heat input of 420,600 kilojoules per hour, exhausting into the atmosphere through a stack, having an exit diameter of 0.36 metre, extending 2 metres above the roof and 12 metres above grade;

- two (2) existing process boilers, to be converted to provide process steam for the Foods Plant, each having a maximum heat input of 26,350,000 kilojoules per hour, each exhausting into the atmosphere through individual stacks each having an exit diameter of 0.6 metre, extending 1 metre above the roof and 10.0 metres above grade;

Existing

- two (2) baghouse dust collectors each serving one of dry pet food raw materials softstock hammermill No. 1 and hammermill No. 2, each having a volumetric flow rate of 0.6 normal cubic metre per second, bean bag polyester filter media, pulse jet cleaning, and a filtering velocity of 1.8 centimetres per second, exhausting through separate stacks each having an exit diameter of 0.15 metre, extending 1.5 metres above the roof and 13.0 metres above grade;

- one (1) baghouse dust collector serving the dry pet food raw materials pneumatic conveyor system, having a volumetric flow rate of 0.14 normal cubic metre per second, bean bag polyester filter media, pulse jet cleaning, and a filtering velocity of 5.1 centimetres per second, exhausting through a stack having an exit diameter of 0.1 metre, extending 1.5 metres above the roof and 13.0 metres above grade;

- one (1) baghouse dust collector serving the hardstock hammermill in the Mill Plant, having 60.2 square metres of spun bounded polyester filter media, equipped with a pulse-air type cleaning mechanism, exhausting to the atmosphere at a volumetric flow rate of 2.58 cubic metres per second, through a stack, having an exit diameter of 0.4 metre, extending 2.4 metres above the roof and 8.0 metres above grade;

- one (1) baghouse dust collector serving the general area (minors) in the Mill Plant, having 8.5 square metres of polyester filter media, equipped with a pulse-air type cleaning mechanism, exhausting to the atmosphere at a volumetric flow rate of 0.14 cubic metre per second, through a stack, having an exit diameter of 0.2 metre, extending 3 metres above the roof and 24 metres above grade;

- one (1) baghouse dust collector serving the area hand dump station in the Mill Plant, having 6.4 square metres of polyester filter media, equipped with a pulse-air type cleaning mechanism, exhausting to the atmosphere at a volumetric flow rate of 0.23 cubic metre per second, through a stack, having an exit diameter of 0.2 metre, extending 3 metres above the roof and 24 metres above grade;

- one (1) Dust-Hog baghouse dust collector serving the Jumbone line in the Snacks and Treats Plant, having 2.4 square metres of polyester filter media, equipped with a pulse-air type cleaning mechanism, exhausting to the atmosphere at a volumetric flow rate of 0.14 cubic metre per second, through a stack, having an exit diameter of 0.2 metre, extending 3 metres above the roof and 18 metres above grade;

- four (4) baghouse dust collectors, to control particulate emissions from pneumatic filling of four (4) dry ingredient storage silos associated with the Snacks and Treats Plant, each for each silo and installed on top, each having 9.3 square metres of polyester filter media, equipped with a pulse-air type cleaning mechanism, each exhausting to the atmosphere at a volumetric flow rate of 0.23 cubic metre per second, through a stack, having an exit diameter of 0.2 metre, extending 3.0 metres above the roof and 15.0 metres above grade;

- five (5) baghouse dust collectors, to control particulate emissions from pneumatic filling of five (5) dry ingredient storage silos associated with the baked product lines in the Dry Plant, each for each silo and installed on top, each having 9.3 square metres of polyester filter media, equipped with a pulse-air type cleaning mechanism, each exhausting to the atmosphere at a volumetric flow rate of 0.23 cubic metre per second, through a stack, having an exit diameter of 0.2 metre, extending 3 metres above the roof and 15.2 metres above grade;

- one (1) venturi scrubber to pretreat gases from the baked product (Marrowbone and Breathbuster) production lines in the Dry Plant with a maximum production capacity of approximately 2.8 tonnes per hour, having a recirculating water flow rate of 15.7 litres per minute and a pressure drop of approximately 1.23 kilopascals, exhausting into the atmosphere at a volumetric flow rate of 14.2 cubic metres per second through one (1) single-cell biofilter, designated as Biofilter #1, having dimensions of 23.5 metres by 21.7 metres by 1.7 metres and a gas residence time of 36 seconds, equipped with a water spray sprinkler system and drainage pipes, consisting of:

- two (2) layers of sand with a depth of 0.2 metre,
- one (1) layer of stone with a depth of 0.6 metre, and
- one (1) layer of hardwood bark chips with a depth of 0.9 metre,

at 2.0 metres above grade;

- one (1) venturi scrubber to pretreat gases from the Kibble production lines (Line #1, #2 and #4) in the Dry Plant with a total maximum production capacity of approximately 27 tonnes per hour, having a recirculating water flow rate of 15.7 litres per second and a pressure drop of approximately 1.23 kilopascals, exhausting into the atmosphere at a volumetric flow rate of 23.6 cubic metres per second through one (1) two-cell biofilter with the two cells physically separated at a distance, designated as Biofilter #2, each cell having dimensions of 23 metres by 21 metres by 1.65 metres and a gas residence time of 39 seconds, equipped with a water spray sprinkler system and drainage pipes, consisting of:

- two (2) layers of stone with a total depth of 0.6 metre,
- one (1) layer of biomass with a depth of 0.9 metre, and
- one (1) layer of wood chips with a depth of 0.15 metre,

at 2.0 metres above grade;

- one (1) venturi scrubber also to pretreat gases from the Kibble production lines (Line #1, #2 and #4) in the Dry Plant with a total maximum production capacity of approximately 27 tonnes per hour, having a recirculating water flow rate of 15.7 litres per second and a pressure drop of approximately 1.23 kilopascals, exhausting into the atmosphere at a volumetric flow rate of 28.4 cubic metres per second through one (1) two-cell biofilter, designated as Biofilter #3, having dimensions of 28.0 metres by 37.5 metres by 1.7 metres and a gas residence time of 37 seconds, equipped with a water spray sprinkler system and drainage pipes, consisting of:

- two (2) layers of sand with a depth of 0.2 metre,

- one (1) layer of stone with a depth of 0.6 metre, and
- one (1) layer of hardwood bark chips with a depth of 0.9 metre,

at 2.0 metres above grade;

- one (1) single-cell biofilter, designated as Biofilter #4, used to treat air emissions from the Dentabone and Jumbone production lines in the Snacks and Treats Plant with a total maximum production capacity of approximately 1.8 tonnes per hour, having dimensions of 18 metres by 17 metres by 1.65 metres and a gas residence time of 40 seconds, equipped with a water spray sprinkler system and drainage pipes, consisting of:

- two (2) layers of stone with a total depth of 0.6 metre,
- one (1) layer of biomass with a depth of 0.9 metre,
- one (1) layer of wood chips with a depth of 0.15 metre,

exhausting to the atmosphere at a volumetric flow rate of approximately 7.2 cubic metres per second, at 2.0 metres above grade;

- one (1) exhaust fan, to ventilate the on-site effluent treatment plant and to direct the exhaust to one (1) single-cell biofilter, designated as Biofilter #5, having dimensions of 14 metres by 10 metres and a gas residence time of 45 seconds, equipped with a water spray sprinkler system, drainage pipes, a plastic liner and a distribution network to circulate the exhaust gases through:

- one (1), 0.3 metre layer of 25 millimetre stone;
- one (1), 0.3 metre layer of 13 millimetre stone;
- one (1), 0.9 metre layer of biomass; and
- one (1), 0.15 metre layer of wood chips,

exhausting to the atmosphere at a volumetric flow rate of approximately 2.9 cubic metres per second, at ground level;

- three (3) roof exhausters providing general plant ventilation by removal of warm air, each having a volumetric flow rate of 1.2 normal cubic metre per second, exhausting to Biofilter #1, #2 and #3 described above;

- two (2) dry product coolers each exhausting at volumetric flow rate of 1.8 normal cubic metres per second to Biofilter #1, #2 and #3 described above;

- one (1) natural gas-fired oven having a maximum thermal input of 6,324,000 kilojoules per hour, discharging through Biofilter #1;

- the following processing equipment, all discharging through the exhaust gas collection system to the venturi scrubber and Biofilter #1, Biofilter #2 and Biofilter #3 described above:

- one (1) milled grain extruder discharging at a volumetric flow rate of 1.4 cubic metres per second at 50 degrees Celsius;

- two (2) identical, natural gas-fired dryers servicing Line #1 and Line #2 in the Dry Plant and each having a maximum heat input of 14,756,000 kilojoules per hour;

- one (1) natural gas-fired drier servicing Line #4 in the Dry Plant having a maximum heat input of 11,067,000 kilojoules per hour;

- natural gas fired comfort heat equipment and domestic hot water boilers as follows:

- ten (10) comfort heating units, to serve the Dry Plant, as per Schedule "A";

- two (2) domestic hot water boilers, to serve the Dry Plant, each having a maximum heat input of 69,000 kilojoules per hour, each exhausting into the atmosphere through a stack, having an exit diameter of 0.1 metre, extending 1.0 metres above the roof and 7.0 metres above grade;

- one (1) direct fired comfort heating unit, to serve the on-site effluent treatment plant, having a maximum heat input of

581,000 kilojoules per hour, exhausting into the atmosphere through Biofilter #6 described above;

- one (1) domestic hot water boiler, to serve the on-site effluent treatment plant, having a maximum heat input of 38,000 kilojoules per hour, exhausting into the atmosphere through a stack on the side wall, having an exit diameter of 0.1 metre, extending 4.0 metres above grade;

- three (3) comfort heating units, to serve office space, one unit having maximum heat input of 250,000 kilojoules per hour and two units each at 897,000 kilojoules per hour, exhausting through separate stacks, each having exit dimensions of 0.4 metre by 0.5 metre, extending 2.0 metres above the roof and 5.0 metres above grade;

- two (2) domestic hot water boilers, to serve office building, each having a maximum heat input of 422,000 kilojoules per hour, exhausting into the atmosphere through a common stack, having an exit diameter of 0.2 metre, extending 1.2 metres above the roof and 5.0 metres above grade;

- one (1) dehumidifier, to serve the Co-extrusion Cooler room, discharging at a volumetric flow rate of 0.3 cubic metre per second to Biofilter #4 described above;

- one (1) dog treat coating process augmenting its existing extrusion operations in the Snacks and Treats Plant to produce the "SuperChew" dog treat, exhausting at a total volumetric flow rate of 1.4 cubic metres per second to Biofilter #4 described above; and

- one (1) outdoor standby natural gas-fired generator set, having a rating of 125 kilowatts, to provide power during emergency situations, exhausting to the atmosphere at a temperature of approximately 619 degrees Celsius, through a stack, having an exit diameter of 0.2 metre, extending 2.0 metres above grade;

all in accordance with the following:
(1) the Application for a Certificate of Approval (Air) dated November 22, 2005 and signed by Mark Galvin, Safety/Technical Manager of Effem Inc., and all supporting information associated with the application including additional information and provided by Barbara Laskarzewska, SENES Consultants Limited, dated November 17, 2005;

(2) the Application for a Certificate of Approval (Air), dated February 9, 2004 and signed by Mark Galvin, Effem Inc., and all supporting information associated with the application including additional information provided by Senes Consultants Limited on behalf of Effem Inc., dated October 14, 2004, October 27, 2004, December 10, 2004, December 13, 2004, January 7, 2005, January 27, 2005 and signed by Barbara Laskarzewska, dated January 26, 2005 and signed by Bridget Mills, P.Eng.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(1) "Act" means the *Environmental Protection Act*;

(2) "Certificate" means the Amended Certificate of Approval including Schedule "A" and "B" issued in accordance with Section 9 of the Act;

(3) "Owner" means Effem Inc., and includes its successors and assignees.

(4) "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the Act;

(5) "District Manager" means the District Manager, Halton-Peel District Office, Central Region of the Ministry;

(6) "Equipment" means the biofilters and the venturi scrubbers, the baghouse dust collectors, the natural gas generator set and diesel combustion equipment described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

(7) "Facility" means the entire operation of the dry pet food manufacturing facility described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

(8) "Manual" means a document or a set of documents that provides written instructions to staff of the Company;

(9) "Ministry" means Ontario Ministry of the Environment;

(10) "pH" means the negative logarithm of the hydrogen ion concentration, as measured with a standard hydrogen electrode; and

(11) "Publication NPC-205" means Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, the application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.

2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

PERFORMANCE REQUIREMENT

3. The Company shall ensure that the noise emissions from the Facility comply with the limits set in Publication NPC-205.

OPERATION AND MAINTENANCE

4. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall, as a minimum:

(1) prepare, not later than three (3) months after the date of this Certificate, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including as a minimum, the following:

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures;

(c) frequency of inspection and replacement of biofilter materials;

(d) frequency of replacement of filter bags in the baghouse dust collectors;

(e) frequency of inspection and cleaning of the venturi scrubbers;

(f) procedures for any record keeping activities relating to operation and maintenance of the Equipment;

(g) all appropriate measures to minimize fugitive emissions of dust and odour from all potential sources associated with or in support of the operation of the Equipment;

(h) a plan for recording and responding to environmental complaints regarding the operation of the Facility, including procedures for record keeping of the following:

(i) a description, time and date of the complaint;

(ii) wind direction at the time of the complaint;

(iii) a description of the measures taken to address the cause of the complaint;

(2) implement the recommendations of the operating and maintenance Manual.

(3) monitor and record the biofilter maintenance parameters as set out in Schedule "B" of this Certificate;

(4) establish a list of management and supervisory personnel responsible for operation and maintenance of the Facility;

(5) ensure that regular house keeping procedures are followed at the Facility, including, as a minimum, the following:

(i) all surplus food grade raw materials and products from the Facility are to be regularly removed from the buildings by a qualified disposal company;

(ii) surplus food grade raw materials and products are not to be left on the floor of the buildings in the Facility for any extended period of time and regular sweeping and cleaning of all floor surfaces must be practiced;

(iii) all surplus food grade raw materials and products must be stored in appropriate containers;

(iv) surplus food grade raw materials and products must not be left outside of the processing plant;

(v) regular washing of process equipment and exposed surfaces must be performed routinely;

(vi) in the event of any Equipment upsets or process malfunctions leading to spills, immediate action must be taken to clean the spills and bring the Equipment back to normal operations;

(vii) in the event of maintenance of any biofilter, the biofilter fan servicing the biofilter must be turned off or the odorous gases must be re-routed to an operating biofilter.

RECORD RETENTION

5. The Company shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this Certificate, and make these records available for review by staff of the Ministry upon request. The Company shall retain:

(1) all records on the maintenance, repair and inspection of the Equipment;

(2) all records of housekeeping procedures and schedules at the Facility; and

(3) all records on the environmental complaints; including:

(a) a description, time and date of each incident to which the complaint relates;

(b) wind direction at the time of the incident to which the complaint relates;

(c) a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future;

(4) all records produced as noted in Schedule "B".

NOTIFICATION OF COMPLAINTS

6. The Company shall notify the District Manager in writing, of each odour, dust or noise complaint received by the Company within two (2) business days. The notification shall include:

(1) this Certificate of Approval number;

(2) a description of the nature of the complaint;

(3) the time and date of the incident to which the complaint relates; and

(4) a description of the measures taken to address the cause of the complaint and to prevent a similar occurrence in the future.

The reasons for the imposition of these terms and conditions are as follows:

1. Conditions No. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which they were described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition No. 3 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Facility.

3. Conditions No. 4 are imposed to ensure that the Facility/Equipment is built and operated in the manner in which they were described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

4. Condition No. 5 is included to require the Company to keep records and to provide information to staff of the Ministry so that compliance with the Act, the Regulations and this Certificate can be verified.

5. Condition No. 6 is included to require the Company to notify the Ministry so that the environmental impact and subsequent compliance with the Act, the regulations and this Certificate can be verified.

SCHEDULE "A"

Source I.D.	Description	Maximum heat input (kJ/hr)	Diameter of stack (m)	Stack Height Above Grade (m)	Remarks
23	HVAC - indirectly fired	316,500	0.1	7	-
24	HVAC - indirectly fired	316,500	0.1	7	-
25	HVAC - indirectly fired	316,500	0.1	7	-
26	HVAC - indirectly fired	316,500	0.1	7	-
27	HVAC - indirectly fired	316,500	0.1	7	-
28	HVAC - indirectly fired	53,000	0.1	7	-
39	Heater - indirectly fired	633,000	0.1	7	-
33	Heater - direct fired	2,311,000	-	-	Exhaust through Biofilter #1, #2 and #3
34	Heater - direct fired	2,311,000	-	-	
35	Heater - direct fired	4,621,000	-	-	

kJ/hr - kilojoules per hour;
m - metres.

SCHEDULE "B"

Biofilter Maintenance Parameters Monitoring Program:

Parameter Minimum Frequency

Inline pneumatic atomization system Daily visual inspection

Biofilter bed sprinkler system Daily visual inspection

Biofilter bed surfaces Daily visual inspection

Relative humidity of influent air Once per week

Pressure drop across the biofilter bed Once per week
(centimetre water gauge)

Biofilter bed pH Once every six months

Biofilter bed moisture Once every six months

Biofilter bed bacteria enumeration Once every six months

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 6121-67RMRE issued on February 3, 2005

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 16th day of February, 2006

Aziz Ahmed, P.Eng.
Director
Section 9, *Environmental Protection Act*

NH/
c: District Manager, MOE Halton-Peel District Office
Bridget Mills, P.Eng. / Barbara Laskarzewska, E.I.T., SENES Consultants Limited

Appendix I Sauder Industries Limited

Environmental Noise Assessment

13656 & 13668 Emil Kolb Parkway - Bolton

Camcos

SLR Project No.: 241.031536.00001

February 27, 2025

Content Copy Of Original

Ontario

Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 6428-A4DU2Q
Issue Date: November 19, 2015

Sauder Industries Limited
13371 Coleraine Drive
Caledon, Ontario
L7E 3B6

Site Location: 13371 Coleraine Drive
Caledon Town, Regional Municipality of Peel, Ontario
L7E 3B6

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act , R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

A facility manufacturing wood moulding for indoor window and door frames, consisting of following equipment and emission sources:

- one (1) baghouse serving the woodworking operations, discharging into the air at a volumetric flow rate of 2.12 cubic metres per second, through a rooftop stack and extending approximately 10 metres above grade;

- one (1) baghouse serving the woodworking operations, discharging into the air at a volumetric flow rate of 3.54 cubic metres per second, through a rooftop stack and extending approximately 10 metres above grade;

- one (1) natural gas fired drying oven, having a maximum total heat input of 422,000 kilojoules per hour, discharging into the air through a rooftop stack;

all in accordance with the application for a Environmental Compliance Approval (Air and Noise) submitted by Sauder Industries Limited, dated December 04, 2012, and signed by Pam Campbell, CFO; Emission Summary and Dispersion Modeling Report prepared by ORTECH Consulting Inc., dated November 20, 2012; and all the information associated with the application.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Acoustic Assessment Report" means the report, prepared in accordance with Publication NPC-233 submitted in support of the application, that documents all sources of noise emissions and Noise Control Measures present at the Facility. It also means the acoustic assessment report prepared by HGC Engineering, dated December 6, 2012 and signed by Ian Bonsma and Corey Kinart.

2. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above.

3. "Company" means Sauder Industries Limited that is responsible for the construction or operation of the Facility and includes any successors and assigns in accordance with section 19 of the EPA.

4. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located.

5. "EPA" means the Environmental Protection Act , R.S.O. 1990, c.E.19, as amended.

6. "Equipment" means the equipment and processes described in the Company's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval.

7. "Facility" means the entire operation located on the property where the Equipment is located.

8. "Manual" means a document or a set of documents that provide written instructions to staff of the Company.

9. "Ministry" means the ministry of the government of Ontario responsible for the EPA and includes all officials, employees or other persons acting on its behalf.

10. "Noise Abatement Action Plan" means the noise abatement program developed by the Company, submitted to the Director and District Manager and approved by the Director, designed to achieve compliance with the sound level limits set in Publication NPC-205. It also means the noise abatement action plan prepared by HGC Engineering, dated December 6, 2012 and signed by Ian Bonsma and Corey Kinart.

11. "Noise Control Measures" means measures to reduce the noise emissions from the Facility and/or Equipment including, but not limited to, silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers. It also means the noise control measures outlined in the Acoustic Assessment Report.

12. "Publication NPC-205" means the Ministry Publication NPC-205, "Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)", October, 1995 as amended.

13. "Publication NPC-233" means the Ministry Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995 as amended.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

NOISE PERFORMANCE

1. The Company shall:

(1) implement the Noise Control Measures as described in the Noise Abatement Action Plan dated December 6, 2012 and signed by Ian Bonsma and Corey Kinart, HGC Engineering, not later than eighteen (18) months after the date of this Approval;

(2) ensure, subsequent to the completion of the Noise Abatement Action Plan, that the noise emissions from the Facility comply at all times with the limits set in Ministry Publication NPC-205; and

(3) ensure that the Noise Control Measures are properly maintained and continue to provide the acoustical performance outlined in the Acoustic Assessment Report. **OPERATION AND**

MAINTENANCE

2. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

(1) prepare, not later than three (3) months after the date of this Approval, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures, including spill clean-up procedures;

(c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;

(d) all appropriate measures to minimize noise emission from all potential sources; and

(e) the frequency of inspection and replacement of the filter material in the Equipment.

(2) implement the recommendations of the Manual.

RECORD RETENTION

3. The Company shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this Approval, and make these records available for review by staff of the Ministry upon request. The Company shall retain:

(1) all records on the maintenance, repair and inspection of the Equipment; and

(2) all records of any environmental complaints; including:

(a) a description, time and date of each incident to which the complaint relates;

(b) wind direction at the time of the incident to which the complaint relates; and

(c) a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

NOTIFICATION OF COMPLAINTS

4. The Company shall notify the District Manager, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:

(1) a description of the nature of the complaint; and

(2) the time and date of the incident to which the complaint relates.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility .

2. Condition No. 2 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the EPA, the Regulations and this Approval.

3. Condition No. 3 is included to require the Company to keep records and to provide information to staff of the Ministry so that compliance with the EPA, the Regulations and this Approval can be verified.

4. Condition No. 4 is included to require the Company to notify staff of the Ministry so as to assist the Ministry with the review of the site's compliance.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993 , S.O. 1993, c. 28 (Environmental Bill of Rights), the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Environmental Commissioner
1075 Bay Street, Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director appointed for the purposes of Part II.1 of the Environmental Protection Act
Ministry of the Environment and Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek

leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ebr.gov.on.ca , you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 19th day of November, 2015

Rudolf Wan, P.Eng.
Director
appointed for the purposes of Part II.1 of the *Environmental Protection Act*

JL/
c: District Manager, MOECC Halton-Peel
Terry Lam, ORTECH Consulting Inc.

Making Sustainability Happen