

August 15, 2023

Ilana Glickman Ranee Management 4122 Bathurst Street Toronto, ON M3H 3P2 (416) 756-3962

RE: 2570-2590 ARGYLE ROAD, CITY OF MISSISSAUGA REZONING APPLICATION SUBMISSION, CITY FILE: OZ 20 17

Dear Ms. Glickman,

1.0 INTRODUCTION

BA Group is retained by Ranee Management to provide transportation consulting services related to the proposed development of lands municipally known as 2570-2590 Argyle Road in the City of Mississauga (referred to herein as "the site"). The site is generally bounded by non-residential uses to the north, Argyle Road to the east, a residential site (Willow Walk Estates – 2542 and 2556 Argyle Road) to the south, and May Fix Creek to the west, with a residential subdivision beyond.

Vehicular access is provided via two existing driveway connections to Argyle Road on the east side of the property. The site includes two (2) existing residential rental buildings (Building 'A'; 126 units, and Building 'B'; 127 units), and one (1) proposed residential rental building (Building 'C'; 255 units). The proposed residential building will be located on the west end of the site.

1.1 Initial Application and Subsequent Resubmissions

BA Group prepared an urban transportation considerations report entitled *Proposed Residential Development*, 2570-2590 Argyle Road, City of Mississauga, dated September 2020, which was submitted to the City of Mississauga as part of the Zoning By-law Amendment application. Comments dated from November 2020 to February 2021 were received from City staff.

In May 2022, an Addendum to the September 2020 urbans transportation considerations report was submitted to the City of Mississauga.

This letter summarizes the respective responses to comments received from City staff regarding the May 2022 Addendum report.

2.0 VEHICLE PARKING

2.1 Zoning By-law Requirements

The site is subject to the parking requirements of the City of Mississauga Zoning By-law 0225-2007. The site is zoned "RA4-18", which is classified as "Apartments". Application of the City of Mississauga Zoning By-law 0225-2007 (Precinct 3) is summarized in **Table 1** and results in the requirement of 752 parking spaces including 650 spaces for residents and 102 spaces for visitors.

Table 1 Mississauga Zoning By-law 0225-2007 (RA4-1) Parking Requirements (Precinct 3)

Use	Number of Units	Minimum Rate	Number of Parking Spaces			
Resident						
Building 'A' (existing)	126	0.9 spaces / unit	113			
Building 'B' (existing)	127	0.9 spaces / unit	114			
Building 'C' (proposed)	255	0.9 spaces / unit	230			
Total		0.9 spaces / unit	457			
Non-Resident						
Visitor	508	0.2 spaces / unit	102			
Total Spaces Required	752					

Notes:

2.2 Previously Proposed Parking Supply

The previously proposed minimum parking supply rate for residents in the September 2020 TIS was developed based on a review of existing parking demand. It was also proposed to adopt the required minimum parking supply rate for visitors (0.20 spaces / unit) as outlined in the Zoning By-law. The proposed minimum rates in the first submission are as follows:

- Resident parking supply rate: 1.00 spaces / unit; and
- Visitor parking supply rate: 0.20 spaces / unit (meets Zoning By-law 0225-2007 requirement).

2.3 Updated Proposed Parking Supply

Subsequent to the September 2020 TIS submission, City staff have accepted a lower visitor parking rate of 0.15 spaces per unit¹. The current development proposal illustrates 570 parking spaces including 489 spaces for residents and 81 spaces for visitors, equating to the following rates:

^{1.} For the calculation of the required residential parking, the appropriate resident and / or visitor rate or ratio shall be calculated for each component and then rounded. Fractions of less than 0.5 shall be rounded down to the nearest whole number. Fractions equal to or greater than 0.5 shall be rounded up to the nearest whole number.

¹ The lower visitor parking rate is documented in a letter titled *Comments on Transportation Report (Parking Review) for 2570 and 2590 Argyle Road*, dated December 3, 2020, from City Planning staff.

- Resident parking supply rate: 0.96 spaces / unit; and
- Visitor parking supply rate: 0.16 spaces / unit.

The proposed resident parking supply rate of 0.96 spaces / unit exceeds the bylaw rate of 0.9 spaces / unit, and the proposed visitor parking supply rate of 0.16 spaces / unit meets the City's accepted rate of 0.16 spaces / unit.

The resident parking supply rate of 0.96 spaces / unit for all unit types is being proposed in keeping with future and planned transit improvements along the Hurontario and Dundas corridors. Furthermore, the site is a rental property, and the Owner is able to allocate parking supply for specific units based on practical demand. The visitor parking supply was reduced from the original submission rate (0.2 spaces / unit) to match existing demand observed on site.

Based on the foregoing, and the City's acceptance of the reduced visitor parking rate, the currently proposed parking provision is suitable for the site development. **Table 2** summarizes the proposed parking supply by location.

Table 2 Proposed Parking Supply

	Parking	Total	
	Surface	Garage	Total
Resident	82	407	489
Visitor	81	-	81
Total	163	407	570

2.4 Vehicle Parking Space Dimensions

A total of 32 resident parking spaces located within the surface parking lot in the southwest corner of the site have slightly-reduced dimensions as compared to those required under the City of Mississauga's Zoning By-law 0225-2007.

The minimum Zoning By-law requirements are summarized as follows:

2.6m width x 5.2m length with a 7.0m drive aisle width

The proposed parking spaces have the following dimensions:

2.6m width x 5.2m length with a 6.7m drive aisle width

The design vehicle is based on an empirical review of the modern passenger vehicle fleet in Canada. Based on a statistical review of the top 100 vehicle models and sales in Canada between the years 2005 to 2014, the 95th percentile passenger design vehicle has the dimensions of approximately 2.0m width x 5.15m length (equivalent to a Dodge Grand Caravan). The total module dimension is 11.9m for the 32 parking spaces with a reduced drive aisle of 6.7m and the parking space length of 5.2m, meeting typical minimum parking space and drive aisle dimensions in other municipalities, including the City of Toronto (requirement of 11.6m). This provides adequate manoeuvring area for design vehicles, particularly given the fact that a one-way circulation is proposed in this area. On this basis, the proposed parking space dimensions accommodate the design vehicles and are appropriate. A provision allowing for these reduced dimensions should be included in the site-specific Zoning By-law.

A total of five (5) resident parking spaces located within the garage parking facility in the proposed Building 'C' are classified as 'obstructed' due to a wall or column adjacent to the parking space that extends more than one (1) metre into the front and/or rear of the parking space. Zoning By-law specifies that the width of an 'obstructed' parking space shall be increased by 0.15m for each side of the parking space that is obstructed.

The minimum Zoning By-law requirements are summarized as follows (parking space obstructed on one side):

2.75m width x 5.2m length with a 7.0m drive aisle width

The proposed parking spaces have the following dimensions (parking space obstructed on one side):

2.6m width x 5.2m length with a 7.0m drive aisle width

The reduced width of this parking space (2.6m provided as compared to 2.75m required) is relatively minor and will not unduly impact the functionality of the parking space for use by the majority of passenger vehicles typically found in underground parking garages of residential buildings in the City of Mississauga. However, it is recommended that the reduced width dimension of the parking space be disclosed in the purchase agreements, and a provision allowing for these reduced dimensions should be included in the site-specific Zoning By-law.

3.0 BICYCLE PARKING

The existing buildings do not have any bicycle parking spaces. The recommended bicycle parking supply rates of the City of Mississauga Cycling Master Plan have been applied to Building C. Application of these rates would result in the requirement for a total of 199 spaces (of which 179 are long-term and 20 are short-term spaces), as summarized in **Table 3**.

Table 3 Mississauga Cycling Master Plan Bicycle Parking Requirements

Use	Building	Number of Units	Minimum Rate	Number of Bicycle Parking Spaces
Residential	С	255	Long-term: 0.70 spaces per unit Short-term: 0.08 spaces per unit Total: 0.78 spaces per unit	179 <u>20</u> 199

Notes:

A total of 222 bicycle parking spaces are proposed for Building C, including 182 long-term spaces and 40 short-term spaces. The proposed number of bicycle parking spaces exceeds the requirements for Building C based on recommended rates. Due to the rental tenure of the buildings, the bicycle parking spaces may be allocated to residents of the existing buildings (Buildings A and B) or the proposed building (Building C), based on location and availability.

^{1.} For the calculation of the required residential parking, the appropriate resident and / or visitor rate or ratio shall be calculated for each component and then rounded. Fractions of less than 0.5 shall be rounded down to the nearest whole number. Fractions equal to or greater than 0.5 shall be rounded up to the nearest whole number.

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We trust the foregoing is in order. If you have any questions, comments, or require anything further, please do not hesitate to contact us.

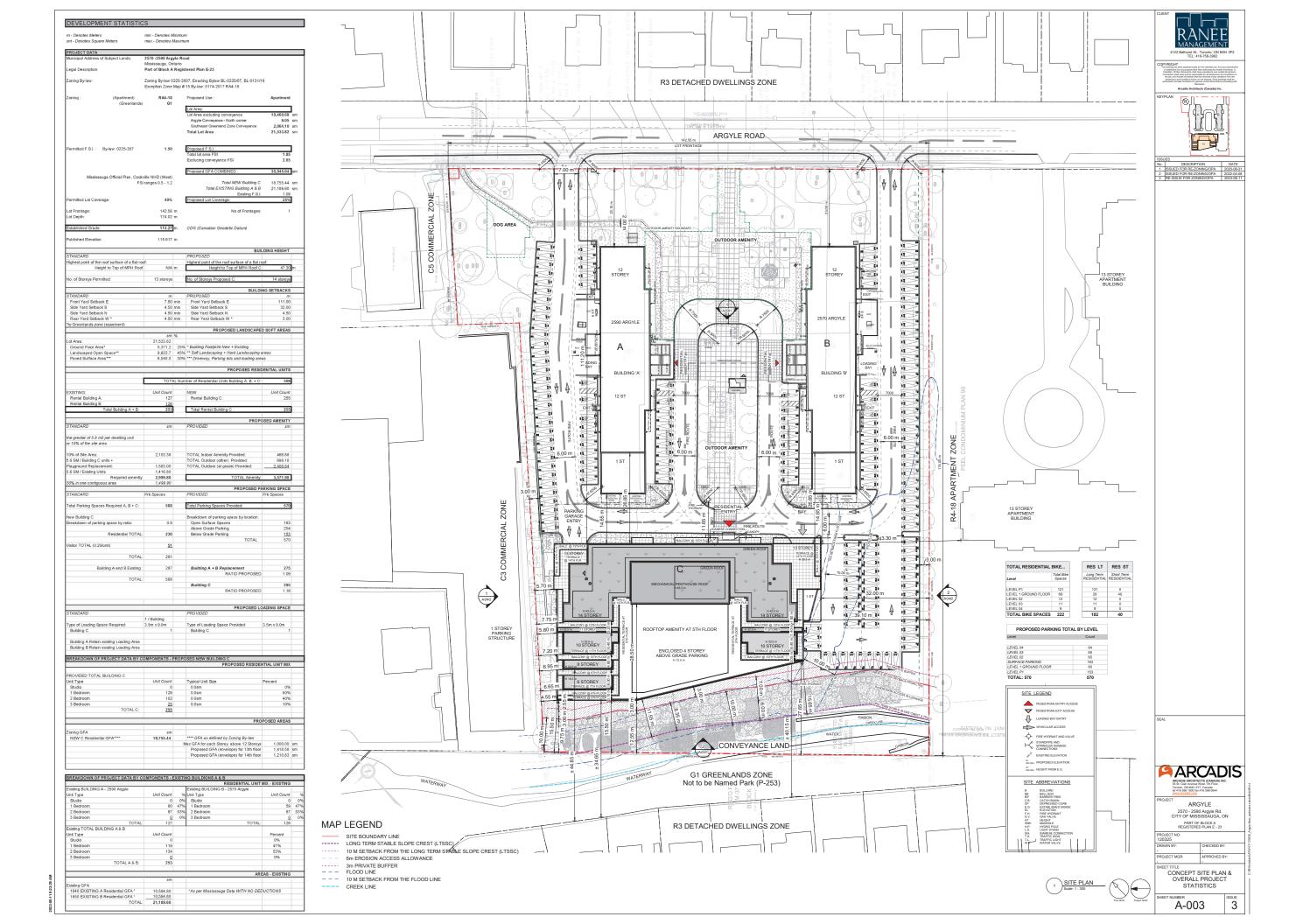
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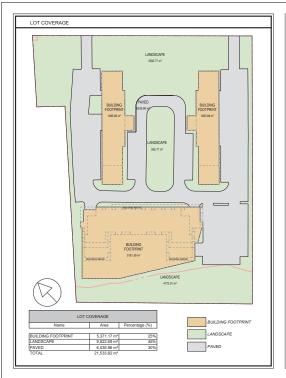
BA Consulting Group Ltd.

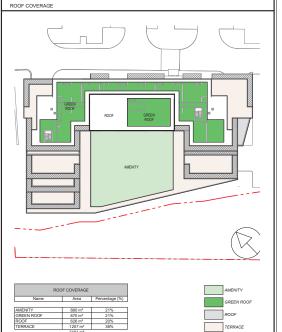
Meredith Wilkinson, P.Eng. Senior Transportation Engineer

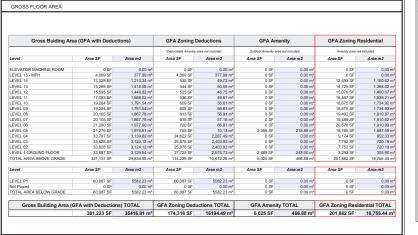
Cc: Margaret Briegmann, BA Group

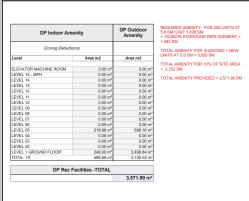
Attachement A:
Architectural Plans

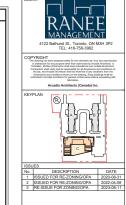




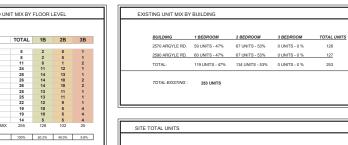


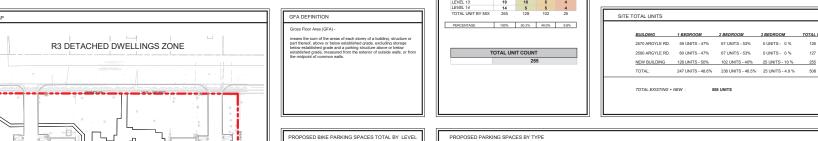


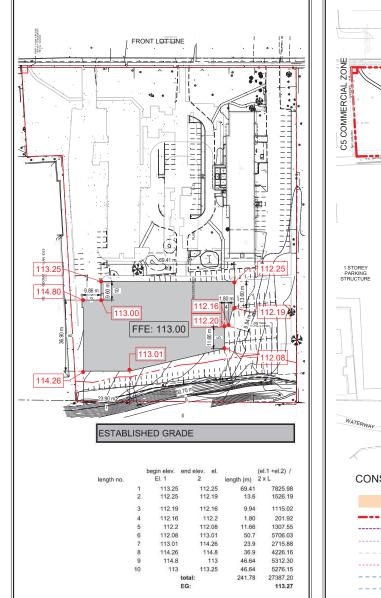


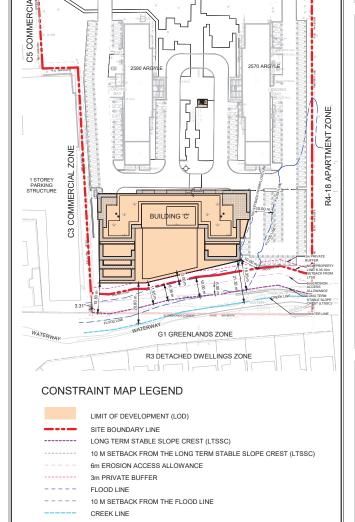


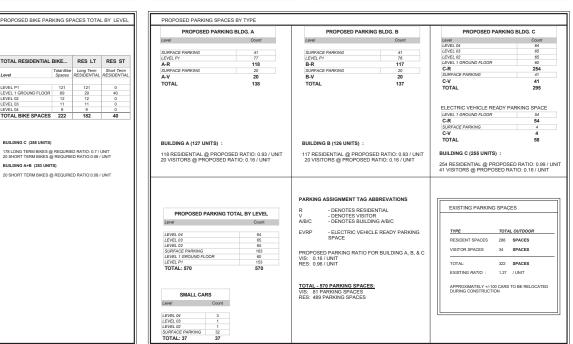


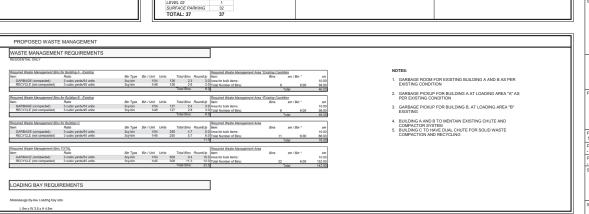














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