

MEMO

Page 1 of 6

Date:	December 8, 2023
То:	Raad Akrawi, 12714001 Canada Inc.
From:	Bomo Dambo, EIT, JLR Rani Nahas, P.Eng., JLR
CC:	Carmine Zayoun, 12714001 Canada Inc. Karla Ferrey, P.Eng., JLR
Subject:	3070 Navan Development Blocks 14, 15, 16, and 17 – Trip Generation Technical Memorandum
JLR No.:	29899-005

Introduction

From the information provided, it is our understanding that the proponent is moving forward with the site plan applications for Blocks 14, 15, 16, and 17 of the 3079 Navan development. Blocks 14, 15, and 17 are each comprised of two 4-storey condo buildings with approximately 83 to 96 total units per block. Access to the main apartment building and its underground parking will be provided via the internal subdivision. Block 16 is a commercial block consisting of a gas station and drive-through restaurant. The proposed Site Plan is provided in **Attachment A**. The Transportation Impact Assessment (TIA) for the entirety of the 3079 Navan development (i.e., the condo buildings, gas station, and subdivision) was previously submitted in September 2022.

As part of the Site Plan Phase 1 comments, City staff indicated that a technical memorandum outlining the projected site trip generation for each Block will be required to satisfy the transportation analysis component of this application.

As such, the following technical memorandum has been prepared to determine the projected site-generated traffic from Blocks 14, 15, 16 and 17, and provide recommendations, as required.

Trip Generation Analysis

The latest Site Plan indicates the following for each block:

- Block 14 will consist of two 4-storey condominium buildings (Building A and Building B)
 - Building A 48 units
 - Building B 36 units with a 10,000 square feet commercial and office space
- Block 15 will consist of two 4-storey condominium building (Building C and Building D)
 - Building C 36 units with a10,000 square feet commercial and office space
 - Building D 47 units
- Block 16 is a commercial block and will consist of:
 - A gasoline service station
 - A fast-food restaurant with drive-through
- Block 17 will consist of two 4-storey condominium buildings (Building E and Building F)
 - Building E 48 units
 - Building F 48 units

Consistent with the City's Transportation Impact Assessment (TIA) Guidelines, projected site-generated traffic was estimated using appropriate trip generation rates from the 11th Edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual for commercial trips and the latest TRANS Trip Generation Manual Summary Report, dated October



21, 2020 for residential trips. Based on the location and type of development envisioned, the following **Table 1** summarizes the appropriate trip generation rates for estimating projected site-generated traffic.

Note that in the initial TIA, the trip generation rates used were from the 10th Edition of the ITE Trip Generation Manual. Since then, the 11th Edition has been released and was used for this exercise. As such, there are slight discrepancies between the trip generation rates between the TIA submitted in September 2022 and the following memo.

Land Use	ITE Land Use Code	AM Peak Hour	PM Peak Hour
Multifamily Housing (Mid-Rise)	, , ,		T _P = 0.90(U) x 0.44
Gasoline/Service Station with Convenience Market	ITE 945 General Urban/Suburban Vehicle Trips	T _A = 91.35(X); T _F = n/a	T _A = 78.95(X); T _F = n/a
Fast Food Restaurant with Drive-Through Window	ITE 934 General Urban/Suburban Vehicle Trips	T _A = 44.61(X); T _F = n/a	T _A = 33.03(X); T _F = n/a
Notes: T_A = Average Vehicle T_F = Vehicle Trips by X = 1,000 ft² of Gross T_P = Average Person U = Per Unit	Fitted Curve Floor Area (GFA)	· · · · · · · · · · · · · · · · · · ·	

Based on the foregoing, the projected weekday morning and afternoon peak hour person trip generation for the proposed development is summarized in **Table 2**.

Table 2:	Modified	Peak	Hour	Person	Trips
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Block	Block Land Use	Supply	AM Peak Hour pply (Person Trips/h)			PM Peak Hour (Person Trips/h)		
			In	Out	Total	In	Out	Total
14	Multifamily Housing (Mid-Rise)	84 units	10	24	34	19	14	33
15	Multifamily Housing (Mid-Rise)	83 units	10	23	33	19	14	33
17	Multifamily Housing (Mid-Rise)	96 units	11	27	38	22	16	38
16	Gasoline/Service Station with Convenience Market	2,982 ft ²	174	175	349	150	151	301
10	Fast Food Restaurant with Drive-Through Window	3,897 ft ²	113	110	223	85	80	165
	Tota	al Person Trips	318	359	677	295	275	570
	10% Multi-Purpose	Trip Reduction	-32	-36	-68	-29	-27	-56
	Total 'New'	Person Trips	286	323	609	266	248	514



Page 3 of 6

As summarized in **Table 2**, Block 14 is projected to generate an approximate two-way total of 34 and 33 person trips/h during the weekday morning and afternoon peak hours, respectively. Block 15 is projected to generate an approximate two-way total of 33 person trips/h during both weekday peak hours. Block 17 is projected to generate an approximate two-way total of 38 person trips/h during both weekday peak hours. Block 16 is projected to generate an approximate two-way total of 572 and 466 person trips/h during the weekday morning and afternoon peak hours, respectively.

In total, Blocks 14 to 17 are projected to generate an approximate two-way total of 609 and 514 person trips/h during the weekday morning and afternoon peak hours, respectively including a 10% multi-purpose trip reduction.

Directional splits (i.e., inbound vs. outbound trips) were obtained from the TRANS Trip Generation Manual Summary Report. Additionally, given the proposed development is considered mixed-use, a 'multi-purpose' trip reduction of 10% was assumed to account for the internal trips between residential and commercial land uses.

Travel Mode Shares

To determine the number of person trips arriving/departing by travel mode, total projected person trips were subdivided by percent mode shares. To remain consistent with previously completed and approved work, the mode shares for each land use identified in the TIA has been carried forward within this memo. The following **Table 3**, **Table 4**, **Table 5**, **Table 6**, **Table 7**, and **Table 8** summarize the appropriate mode share values that were used for analysis purposes, based on the proposed land uses.

Given the nature of the proposed land uses, it should be noted that a percentage of the projected site-generated trips can be attributed to 'pass-by' traffic (i.e., a quick diversion to/from the subject development on someone's otherwise, normal daily commute). This additional 'pass-by' traffic does not impact overall network capacity, as this traffic already exists and is using the adjacent transportation network; however, 'pass-by' trips do impact the performance of turning movements at intersections within close proximity to the proposed development, typically where development site access/egress is provided. As such, and for analysis purposes, it was assumed approximately 80% and 50% of projected site-generated traffic will be comprised of 'pass-by' trips for the proposed gas station/convenience store and the fast-food restaurant land uses, respectively.

Travel Mode	Mode Share	AM Peak Hour (Person Trips/h)			PM Peak Hour (Person Trips/h)		
		In	Out	Total	In	Out	Total
Auto Driver	50%	5	11	16	9	7	16
Auto Passenger	10%	1	3	4	2	2	4
Transit	30%	3	6	9	5	3	8
Non-motorized	10%	0	2	2	1	1	2
Total Person Trips	100%	9	22	31	17	13	30
Total 'New' Vehicle Trips		5	11	16	9	7	16

Table 3: Projected Modal Site Generated Trips – Multifamily Housing (Mid-Rise) – Block 14

As shown in **Table 3**, Block 14 is projected to generate approximately two-way vehicle volumes of 16 veh/h during both weekday morning and afternoon peak hours. With regard to active modes, Block 14 is projected to generate approximately two-way person trips of 2 persons/h, during both weekday morning and afternoon peak hours. With regard to transit trips during weekday morning and afternoon peak hour, Block 14 is projected to generate approximately two-way person trips of 9 persons/h and 8 persons/h, respectively.

Page 4 of 6

Travel Mode	Mode Share		M Peak Ho rson Trip		PM Peak Hour (Person Trips/h)		
		In	Out	Total	In	Out	Total
Auto Driver	50%	5	11	16	9	7	16
Auto Passenger	10%	1	2	3	2	2	4
Transit	30%	3	6	9	5	3	8
Non-motorized	10%	0	2	2	1	1	2
Total Person Trips	100%	9	21	30	17	13	30
Total 'New' Vehicle Trips		5	11	16	9	7	16

Table 4: Projected Modal Site Generated Trips – Multifamily Housing (Mid-Rise) – Block 15

As shown in **Table 4**, Block 15 is projected to generate approximately two-way vehicle volumes of 16 veh/h during both weekday morning and afternoon peak hours. With regard to active modes, Block 15 is projected to generate approximately two-way person trips of 2 persons/h, during both weekday morning and afternoon peak hours. With regard to transit trips during weekday morning and afternoon peak hours, Block 15 is projected to generate approximately two-way person trips of 9 persons/h and 8 persons/h, respectively.

Travel Mode	Mode Share	AM Peak Hour (Person Trips/h)			PM Peak Hour (Person Trips/h)		
		In	Out	Total	In	Out	Total
Auto Driver	50%	5	12	17	10	7	17
Auto Passenger	10%	1	3	4	2	2	4
Transit	30%	3	7	10	6	4	10
Non-motorized	10%	1	2	3	2	1	3
Total Person Trips	100%	10	24	34	20	14	34
Total 'New' Vehicle Trips		5	12	17	10	7	17

Table 5: Projected Modal Site Generated Trips – Multifamily Housing (Mid-Rise) – Block 17

As shown in **Table 5**, Block 17 is projected to generate approximately two-way vehicle volumes of 17 veh/h during both weekday morning and afternoon peak hours. With regard to active modes, Block 17 is projected to generate approximately two-way person trips of 3 persons/h, during both weekday morning and afternoon peak hours. With regard to transit trips during both weekday morning and afternoon peak hours, Block 17 is projected to generate approximately two-way person trips of 10 persons/h.

Table 6: Projected Modal Site Generated Tri	ins – Gasoline Service Station – Block 16
Table 0. Trojected modal Site Generated Th	

Travel Mode	Mode Share	AM Peak Hour (Person Trips/h)			PM Peak Hour (Person Trips/h)		
		In	Out	Total	In	Out	Total
Auto Driver	70%	110	111	221	95	96	191



Page 5 of 6

Auto Passenger	15%	24	24	48	21	21	42
Transit	5%	8	8	16	6	6	12
Non-motorized	10%	15	15	30	13	13	26
Total Person Trips	100%	157	158	315	135	136	271
Less Pass-by 80%		-88	-88	-176	-76	-76	-152
Total 'New' Vehicle Trips		22	23	45	19	20	39

As shown in **Table 6**, the gasoline service station in Block 16 is projected to generate approximately two-way vehicle volumes of 45 veh/h during the weekday morning peak hour and 39 veh/h during the afternoon peak hour. With regard to active modes, the gas station is projected to generate approximately two-way person trips of 30 persons/h and 26 persons/h during the weekday morning and afternoon peak hours, respectively. With regard to transit trips during both weekday morning and afternoon peak hours, the gasoline service station in Block 16 is projected to generate approximately two-way transit trips of 16 and 12 person trips/h, respectively.

Travel Mode	Mode Share	AM Peak Hour (Person Trips/h)			PM Peak Hour (Person Trips/h)		
		In	Out	Total	In	Out	Total
Auto Driver	60%	62	60	122	47	44	91
Auto Passenger	10%	10	10	20	8	7	15
Transit	20%	20	20	40	15	14	29
Non-motorized	10%	10	9	19	7	7	14
Total Person Trips	100%	102	99	201	77	72	149
Less Pass-by 50%		-31	-31	-62	-23	-23	-46
Total 'New' Vehicle Trips		31	29	60	24	21	45

As shown in **Table 7**, the fast-food restaurant in Block 16 is projected to generate approximately two-way vehicle volumes of 60 veh/h during the weekday morning peak hour and 45 veh/h during the afternoon peak hour. With regard to active modes, the restaurant is projected to generate approximately two-way person trips of 19 persons/h and 14 persons/h during the weekday morning and afternoon peak hours, respectively. With regard to transit trips, the restaurant is projected to generate approximately two-way persons/h during the weekday morning and afternoon peak hours, respectively. With regard to transit trips, the restaurant is projected to generate approximately two-way persons/h during the weekday morning and afternoon peak hours, respectively.

Table 8: Projected Modal Site Generated Trips – Block 16 Total

Travel Mode		M Peak Ho erson Trips			M Peak Ho erson Trips	
	In	Out	Total	In	Out	Total
Auto Driver	172	171	343	142	140	282
Auto Passenger	34	34	68	29	28	57
Transit	28	28	56	21	20	41
Non-motorized	25	24	49	20	20	40



Page 6 of 6

Total Person Trips	259	257	516	212	208	420
Less Pass-by 50%	-119	-119	-238	-99	-99	-198
Total 'New' Vehicle Trips	53	52	105	43	41	84

As shown in **Table 8***Table* **7**, Block 16, in total, is projected to generate approximately two-way vehicle volumes of 105 veh/h during the weekday morning peak hour and 84 veh/h during the afternoon peak hour. With regard to active modes, Block 16 is projected to generate approximately two-way person trips of 49 persons/h and 40 persons/h during the weekday morning and afternoon peak hours, respectively. With regard to transit trips, Block 16 is projected to generate approximately two-way person trips of 56 persons/h and 41 persons/h during the weekday morning and afternoon peak hours, respectively.

Findings and Conclusions

Based on the foregoing, the following conclusions are made:

- Block 14 is projected to generate approximate two-way vehicle volumes of 16 veh/h during both weekday morning and afternoon peak hours.
- Block 15 is projected to generate approximate two-way vehicle volumes of 16 veh/h during both weekday morning and afternoon peak hours.
- Block 16 is projected to generate approximate two-way vehicle volumes of 105 veh/h during the weekday morning peak hour and 84 veh/h during the afternoon peak hour.
- Block 17 is projected to generate approximate two-way vehicle volumes of 17 veh/h during both weekday morning and afternoon peak hours.

Sincerely,

J.L. RICHARDS & ASSOCIATES LIMITED

Prepared by:

Jamb

Bomo Dambo, EIT Transportation Engineer-In-Training

Attachments

Reviewed by:

Rani Nahas, P.Eng. Transportation Engineer

Attachment A

Site Plan



	LOTS AREAS	AREAS (M2)	LOT NUMBER	AREAS (M2)	SITE PLAN LEGEND
	B01-1	394	B06-4	154	EXISTING BUILD
	B01-2 B01-3	184 184	B06-5 B06-6	163 154	NEW BUILDING
	B01-4 B01-5	189 189	B06-7 B07	369 2,002	NEW BUILDING
	B01-6	184	B08-1	525	COMMERCIAL S AT-GRADE
	B01-7 B01-8	184 299	B08-2 B08-3	174	GRASS
	B02-1	281	B08-4	174	
	B02-2 B02-3	176 184	B08-5 B08-6	184 174	ASPHALT
	B02-4 B02-5	184 174	B08-7 B09-1	234 234	
	B02-5 B02-6	233	B09-2	174	SITE INFORMATION & I
	B03-1 B03-2	250 182	B09-3 B09-4	184	LOTS
	B03-3	182	B09-5	174	
	B03-4 B03-5	182 182	B09-6 B10-1	234 234	
	B03-6 B03-7	182 250	B10-2 B10-3	174 184	
TU	B03-7 B04-1	230	B10-3 B10-4	184	ZONING
ROB	B04-2 B04-3	174	B10-5 B10-6	174 487	
ALOMANCE PA	B04-4	174	B11-1	748	SITE AREA TOTAL SITE AREA:
T T	B04-5 B04-6	184 174	B11-2 B11-3	286 265	TOTAL DEVELOPABLE AREA:
	B04-7 B05-1	278 368	B11-4 B11-5	246	NET SITE AREA:
FUNRECTION OF THE T	B05-1 B05-2	154	B11-5 B11-6	242 242	UNITS
	B05-3 B05-4	163 163	B11-7 B12	321 240	TOWNHOUSES:
	B05-5	154	B13	1,232	BLOCK 01: 1 X RESIDENTIAL APAR
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PART 2 5R-7985	MHSAN				VISITOR: BLOCK 14:
PART 2 5R-7983 PART 2 5R-0312 PIN 04756-0312 PIN 04756-0312	82.16 831 - 160.19				R12 - APARTEMENTS
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		GM[2546] H(14.5)
A:		~53,441.14 m ² (5.34ha)
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	REQUIRED	PROVIDED
ISITY	NO MAX.	84.8 units/net ha
WIDTH	NO MIN.	5.8 m
AREA	NO MIN.	174 m ²
DING HEIGHT	14.5 m	14.5 m
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RIOR SIDE YARD: IDENTIAL OR MIXED-U RESIDENTIAL : YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3	1.2 m 3 m 3 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 100 0.2 p/unit = 17	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 67 (GARAGES) 67 DRIVE AISLES 101 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 100 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 145 (UNDERGROUND) 17 (8 EXT. + 12 UND.)
RIOR SIDE YARD: IDENTIAL OR MIXED-U E RESIDENTIAL : YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32	1.2 m 3 m 3 m 7.5 m 7.5 m 67 (GARAGES) 67 DRIVE AISLES 101 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 100 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 145 (UNDERGROUND)
RIOR SIDE YARD: IDENTIAL OR MIXED-U RESIDENTIAL : RESIDENTIAL : YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32	1.2 m 3 m 3 m 7.5 m 7.5 m 67 (GARAGES) 67 DRIVE AISLES 101 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 100 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150
RIOR SIDE YARD: IDENTIAL OR MIXED-U RESIDENTIAL : YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32	1.2 m 3 m 3 m 7.5 m 7.5 m 67 (GARAGES) 67 DRIVE AISLES 101 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 100 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 145 (UNDERGROUND) 17 (8 EXT. + 12 UND.) TOTAL: 162 267 m ² 239 m ² 232 m ²
RIOR SIDE YARD: IDENTIAL OR MIXED-U RESIDENTIAL : YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 67 (GARAGES) 67 DRIVE AISLES 101 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 100 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 145 (UNDERGROUND) 17 (8 EXT. + 12 UND.) TOTAL: 162 267 m ² 239 m ² 236 m ² 236 m ² 236 m ²
RIOR SIDE YARD: IDENTIAL OR MIXED-U E RESIDENTIAL I: YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS ARTEMENTEMENTS ARTEMENTS ARTEMENTS ARTEMENTS ARTEMEN	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32	1.2 m 3 m 3 m 7.5 m 7.5 m 67 (GARAGES) 67 DRIVE AISLES 101 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 100 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 145 (UNDERGROUND) 17 (8 EXT. + 12 UND.) TOTAL: 162 267 m ² 239 m ² 232 m ² 236 m ² 236 m ² 235 m ² 1,968 m ² 1,729 m ²
RIOR SIDE YARD: IDENTIAL OR MIXED-U RESIDENTIAL I: YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS ARTEMENTS ARTEMENTS ARTEMENTS ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS ARTEMENT	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 67 (GARAGES) 67 DRIVE AISLES 101 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (S EXT. + 12 UND.) TOTAL: 150 145 (UNDERGROUND) 17 (8 EXT. + 12 UND.) TOTAL: 162 267 m ² 239 m ² 232 m ² 236 m ² 1,968 m ² 1,729 m ² 1,968 m ² 1,611 m ²
RIOR SIDE YARD: IDENTIAL OR MIXED-U RESIDENTIAL : YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS ARTEMENTS ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS AR	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 67 (GARAGES) 67 DRIVE AISLES 101 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (S EXT. + 12 UND.) TOTAL: 150 145 (UNDERGROUND) 17 (8 EXT. + 12 UND.) TOTAL: 162 267 m ² 239 m ² 232 m ² 236 m ² 1,968 m ² 1,729 m ² 1,968 m ² 1,611 m ²
RIOR SIDE YARD: IDENTIAL OR MIXED-U RESIDENTIAL : RESIDENTIAL : YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS ARTEMENTS ARTEMENTS ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS ARTEMEN	1.2 m 3 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 116 0.2 p/unit = 17	1.2 m 3 m 3 m 7.5 m
RIOR SIDE YARD: IDENTIAL OR MIXED-U E RESIDENTIAL OR MIXED-U E RESIDENTIAL I: YARD: G A STREET: RESIDENTIAL ZONE: SIDENTIAL BUILDING: SES: ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS TAIL STORE: 3 ARTEMENTS ARTEM	1.2 m 3 m 7.5 m 7.5 m 1 p/unit = 67 0 1.2 p/unit = 101 0.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 17 3.4 p/100 m ² GFA = 32 1.2 p/unit = 116 0.2 p/unit = 17	1.2 m 3 m 3 m 7.5 m 7.5 m 7.5 m 7.5 m 7.5 m 7.5 m 67 (GARAGES) 67 DRIVE AISLES 101 (UNDERGROUND) 17 (UNDERGROUND) 32 (EXTERIOR) TOTAL: 150 100 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (UNDERGROUND) 17 (8 EXT. + 12 UND.) TOTAL: 150 145 (UNDERGROUND) 17 (8 EXT. + 12 UND.) TOTAL: 162 267 m ² 239 m ² 236 m ² 1,968 m ² 1,729 m ² 1,490 m ² 1,386 m ² 3,201 m ² 929 m ²

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