BURNSIDE

Solid Waste Management Plan

Mattamy (Milton West) Limited
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Toronto, ON M8X 2X2

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July 2023
300056437.0000

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Record of Revisions

Revision	Date	Description
0	July 21, 2023	Initial submission to Client
1	July 26,2023	ZBA Submission

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1.0 Introduction

This document describes the preliminary Solid Waste Management Plan (Plan) developed for the proposed Framgard Mattamy mixed-use development located in the Town of Milton, Ontario. This Plan is intended for municipal review during the Zoning By-Law Amendment (ZBA) process. The development's Site Plan may change during the ZBA process and prior to Site Plan Approval (SPA). Any design changes made during this period will be captured within subsequent revisions of this Plan.

This report is based on the Framgard 'Issued for ZBA' drawing package, dated July 25, 2023. The 'Statistics' (Drawing No. A001) and the drawings entitled 'Overall Site Plan' (Drawing No. A100) and 'Ground Floor Plan' (Drawing No. A103) from this set have been attached in Appendix A of this Plan. These parts of the drawing set illustrate the development's solid waste management features for residential waste.

This Framgard Mattamy development will consist of seven (7) Buildings featuring:

- Seven (7) Buildings (entitled 'Buildings 1 – 7').
- A total of 1,768 residential units.
- A total Gross Floor Area (GFA) of 929 m^2 is dedicated to commercial space.
- Two (2) levels of underground parking (i.e., Levels P1 and P2).
- Each Building has their own residential waste storage room located on the ground level.
- Retail Waste Storage is located within each retail unit.
- The Collection Points (including loading and staging areas) are shared amongst the Buildings, located as described on Table 1 and shown on Drawing No. A103.

For the purposes of this Plan, the development will be split into two 'Blocks', North and South. A summary of each Block's features is provided in Table 1, below:

Table 1: Development Block Summary

Block	Building	Number of Residential Units	Number of Levels	Retail GFA (m^2)	Location of Collection Point
South	1	327	15	454.5	Ground Level, beside Building 1
	2	238	14	-	
	3	223	13	-	
	4	241	15	-	
North	5	223	12	-	Ground Level, Between Building's 5 and 6
	6	193	15	-	
	7	323	11	474.6	
Total	**-**	**1,768**	**-**	**929.1**	**-**

Although details are provided later in this report, in summary, solid waste management for this development will be addressed using:

- A dual waste chute system, accessible on residential levels starting at level two (2).
  - Residential units present on the ground floor will use through-the-wall chutes leading into the Waste Storage Room.
- The chutes fall to each buildings waste storage room on the ground level.
- Controls at each chute access point (each residential level) will operate a bi-sorter in the waste storage room.
  - One chute will be dedicated for recyclable wastes.
  - One chute will lead to a bi-sorter which directs waste into an appropriate container for organics, or garbage.
- On collection days, the waste containers (organics, recycling, or garbage) will be moved by maintenance staff, using a tractor or bin-puller, from the waste storage rooms to their respective loading/staging area.
  - The outdoor loading/staging beside Building 1 will accommodate collection from Buildings 1, 2, 3 and 4 in the South Block (e.g., all recycling is collected at one time).
  - The outdoor loading/staging between Building's 5 and 6 will accommodate collection from Buildings 5, 6, and 7 in the North Block.

Maintenance staff will be available at the loading/staging area to assist with (Halton Region) waste collection vehicle loading.

1.1 Design Resources

In preparing this report, Burnside has considered the following sources:

- Pre-Consultation Meeting with Halton Region dated December 6, 2022.
- Halton Region – 'Development Design Guidelines for Source Separation of Solid Waste, Regional Official Plan Guidelines', Version 1.0 dated June 2014;
- Halton Region – Direct communications with Halton Region's Multi-Residential Waste Diversion Coordinator regarding waste storage requirements;
- Halton Region – By-law No. 123-12 and No. 88-15;
- Waste Diversion Ontario – Continuous Improvement Fund (CIF) Report 219: Best Practices for the Storage and Collection of Recyclables in Multi-Residential Buildings, dated February 2011;
- Waste Diversion Ontario – Continuous Improvement Fund (CIF) Report 723: Multi-Residential Project Debriefing Series, dated March 14, 2014;
- Resource Recovery and Circular Economy Act, 2016; and
- Ontario Food and Organic Waste Framework, dated April 2018.

Halton Region's (Region) 'Development Design Guidelines for Source Separation of Solid Waste' document (hereinafter referred to as the 'Guidelines') outline the requirements to obtain approval for municipal waste collection services. Following the Guidelines provides some flexibility to address future solid waste management needs and programs. In addition, the Region's municipal waste collection services are preferred over private services when considering long term operating costs for the development.

2.0 Waste Management System Elements

2.1 Residential Waste Storage Rooms

Each Building has its own Residential Waste Storage Room located on the ground floor. In accordance with Section's 1.9.2 and 1.9.3 of the Guidelines, the Residential Waste Storage Rooms for this development will feature the following:

- A dual chute system (starting at Level 2) will be used by residents to deliver garbage, recyclables, and organics waste to the Residential Waste Storage Rooms.
  - The chute system will be accessible to residential units on Level 2 and above via internal corridors.
  - Controls at chute access points allow residents to direct the tri-sorter to either an organics, recyclables, or garbage container. The controls include an interlock to prevent simultaneous access (e.g., a resident on floor 2 and another on floor 5) and access during maintenance.
- All buildings feature ground floor suites that will not have access to the chute system for their waste. These residents will dispose of their wastes using a through-the-wall chute system leading into small carts in their respective waste storage room on the ground floor.
  - Receptacles will be on the receiving end of the through-the-wall chutes to collect waste as it is deposited.
  - For organic and recycling wastes, the receptacle will be dumped into their respective containers regularly. Optionally, a cart tipper[1] will be used to assist maintenance staff with this task. Use of a cart tipper will reduce the likelihood of workplace accidents and reduce strain on maintenance staff. Space for a cart tipper has been allocated in each Waste Storage Room, as shown on the 'Ground Floor Plan'.
  - For the garbage stream, front-lift bins will need to be 'pre-loaded', tipping the garbage cart into an empty garbage bin just before it is loaded on to the compactor, using the cart tipper. This is expected to occur every time a new front-lift bin is loaded onto the compactor.

Figure 1: Through-the-Wall Chute

- The waste storage room doors will be a minimum of 2.2 metres in width to accommodate waste container movement.
- The waste storage rooms will be locked and inaccessible to residents.
- The waste storage rooms will be rodent proof, properly ventilated, and include a hose bib and floor drain for periodically washing the room, equipment, and waste containers (carts and bins). Should it be necessary, odour and insect issues can be addressed by:
  - Increasing the cleaning efforts for the room and its equipment;

[1] A cart tipper such as one from Vestil Manufacturing Corp. or similar will be used (example, https://www.vestil.com/product.php?FID=227, accessed July 2023).

- Adding odour neutralizer sprays in the waste room(s);
- Increasing the ventilation (air changes per hour);
- Adding an in-room odour control unit[2]; and / or
- Reducing the storage temperature (air conditioning).

2.2 Equipment and Infrastructure

A bi-sorter will be installed on one of the chutes (in each waste storage room). Residents will operate controls to direct the waste into a front-end container for either:

- Organics, which are collected in 360 L semi-automatic carts.
- Garbage, which is collected in 3 yd^3 front-lift containers.
  - Each Residential Waste Storage Room will have a compactor to minimize the number of bins required for garbage storage.
- The recycling stream (Blue Box) material will have its own dedicated chute, directing waste to 6 yd^3 front-lift containers.

Burnside has determined waste storage container needs based on updated storage information provided via direct communications[3] with the Region's Multi-Residential Waste Diversion Coordinator. The updated storage requirements are:

1. Recycling (loose):
   - 46 residential units can be serviced by one 4 yd^3 front-lift bin; or
   - 84 residential units can be serviced by one 6 yd^3 front-lift bin.

2. Organics:
   - One 360 L (0.34 yd^3) organics bin is required for every 25 residential units.

3. Garbage (compacted):
   - 54 residential units per 3 yd^3 front-lift bin.

Table 2 and Table 3 outline the waste storage room's container and equipment requirements, respectively. Maintenance staff will check the bins at least daily to ensure those reaching capacity are exchanged for empty ones. According to the Region's Guidelines, waste storage rooms must be sized appropriately so that they could store at least a week's worth of waste. Based on this requirement, we have assumed weekly collection of garbage, recyclables, and organics when determining the equipment required for Residential Waste Storage Rooms. However, the Region may also offer twice weekly collection of all three waste streams.

[2] For example, https://canamwaste.ca/wp-content/uploads/2021/11/CanAm-Odour-control.pdf, accessed July 2023.
[3] Garbage and recycling bin ratios were provided to Burnside via March 22, 2022, email from Halton Region's Multi-Residential Waste Diversion Coordinator, Andrew Suprun. These values update Halton Region's Guidelines.

Table 2: Waste Storage Container Requirements

Building Number	Number of Residential Units	Waste Stream & Equipment Quantity		
		Garbage (compacted)	Recycling (uncompacted)	Organics
		3 yd^3 front-lift	6 yd^3 front-lift	360 L semi-automated cart
1	327	7	4	14
2	238	5	3	10
3	223	5	3	9
4	241	5	3	10
South Block	**1029**	**22**	**13**	**43**
5	223	5	3	9
6	193	4	3	8
7	323	6	4	13
North Block	**739**	**15**	**10**	**30**

- The residential waste storage rooms are sufficiently sized to facilitate all items listed above, as shown on the Ground Floor Plan included in Appendix A. Additionally, there is flexibility to accommodate an additional container for each waste stream and space to allow for the repositioning of bins and carts as they reach capacity.

Table 3: Waste Storage Room Equipment Requirements

Quantity	Equipment (Use)
1 per Building	Dual Chute System (Recycling and Organics/Garbage Chutes)
1 per Building	Bi-Sorter (attached to Organics/Garbage Chute, directs waste stream)
1 per Building	Compactor (attached to Bi-Sorter, pushes Garbage into compactor-type front-lift bin)
3 per Building	Through-the Wall Chutes and Receiving Bins (accepts waste from ground floor units)
1 per Building	Optional Cart Tipper (empties receiving carts from through-the-wall chutes into larger bins)
1 per Block	Bin Puller or Ride-on Tractor (assists container movements)
1 per Block	Cart Trailer (Allows movement of multiple carts)

The design of each buildings waste storage room accommodates the spatial requirements for all equipment identified in the above tables. Since the number of waste containers shown on Table 2 was determined based on the assumption of once per week collection for each waste stream, the room design will be more than large enough to accommodate the containers required for twice weekly collection of recyclables and

garbage. Thus, the room provides flexibility to accommodate future changes to the development's solid waste management requirements such as:

- Storage space for any additional equipment required for solid waste management.
- A revised mixture of containers. For example, in the future, garbage could be stored in 4 yd^3 front lift bins or organics could be stored in two 2 yd^3 front lift bins.
- Producer Responsibility Organization(s) implementation of two-stream recyclables (e.g., fiber and containers) collection.

2.3 Bulky Waste Disposal

A separate room for bulky waste storage, providing at least 10 m^2, is located directly beside each waste storage room, on the ground floor of each building. Bulky waste items such as used furniture, mattresses, appliances, etc. will be temporarily stored in this room. This material will be collected by the Region as coordinated by the Property Manager.

Residents with bulky waste will contact staff to collect these wastes or to have staff provide escorted access to this area. This will help ensure that unacceptable wastes (see Section 2.5) or materials that are subject to a stewardship program or a Product Care Association (such as automotive tires, paints, and electronics) will not be left in the bulky waste storage room.

Halton Region also supplies a 40 yd^3 roll-off bin twice per year for bulky waste collection. The location of this bin will be coordinated with property management. Staff will contact the Region to coordinate delivery and collection of the bin.

2.4 Grounds Keeping, Maintenance and Renovations

It is anticipated that waste generated by minor building maintenance activities, such as replacing broken fixtures, light bulbs, etc. (but excluding those noted in Section 2.5), can be accommodated in the waste room.

Grounds' keeping is expected to be a contracted service. The service provider will remove the leaf and yard waste as part of their contract.

Construction contractors will typically undertake significant renovations or maintenance projects. It is expected that wastes generated during the work will be removed as part of their contract.

2.5 Materials Not Collected

Waste materials not accepted by the Region's three stream waste collection program will not be collected by the Region. Similarly, these materials will not be accepted nor stored in the waste storage or bulky waste rooms. Residents with Hazardous and Special

Products (HSP, sometimes called Household Hazardous Waste) or Electronics and Electrical Equipment (EEE) are responsible for the storage and disposal of these materials.

Residents are to handle and dispose of all waste in accordance with Halton Region's guidelines[4]. They may do so by using Return-to-Retailer programs or making use of the Halton Waste Management Site. Generally, the Halton Waste Management Site accepts all waste types, including those not collected by the development's waste management system. Residents must deliver their waste to the Halton Waste Management Site or retailer themselves.

The waste materials that are collected may change as Individual Producer Responsibility (IPR) stewardship programs are developed under the Resource Recovery and Circular Economy Act (RRCEA). For instance, the HSP program began in October 2021. Changes included additional take-back programs at retailers.

2.6 Waste Collection

All waste streams accumulated in each waste storage room (Section 2.1) and bulky waste room (Section 2.3) will be taken by maintenance staff to their respective loading /staging area (see Table 4). Each loading / staging area was designed with this in mind. That is, it can accommodate collection of garbage – which is expected to require the largest number of front-lift bins – on one collection day (or time).

Table 4: Loading / Staging Area Locations

Block	Building	Location of Collection Point
South	1	Ground level beside Building 1, to north side of underground parking ramp
	2	
	3	
	4	
North	5	Ground level, between Building's 5 and 6 in the outside parking area
	6	
	7	

2.6.1 Loading / Staging Area Design

Multiple buildings will share outdoor Collection Points for the collection of recyclables, organic waste, and garbage. These Collection Points will:

[4] Information on how alternate waste streams must be disposed/recycled can be found on the Region's website, www.halton.ca/waste (accessed July 2023).

- Have no overhead encumbrances (i.e., trees, overhead wires, etc.)
- Provide a loading area (collection truck space) that:
  - extends 18 metres in length; and
  - is 6.0 metres wide
- Has a +/- 2% grade
- Will support a 35,000 kg (35 tonnes) waste collection vehicle[5].

2.6.2 Collection Day Container

In preparing this Waste Plan, Burnside has assumed that each waste stream would be collected by the Region once per week on different days. To assess the collection requirements, Burnside considered the greatest number of combined containers for each Block. Front-lift garbage bins present the greatest number of bins requiring collection in each staging area. The required size of these staging areas has been determined by surrounding municipalities requirements, as shown in Table 5. The layout of garbage bins awaiting collection in the staging area is illustrated on the Ground Floor Plan, attached in Appendix A. While these bins may be orientated differently for collection, the design proves the staging area is sufficiently sized to hold and maneuver the required number of bins for once weekly collection.

Table 5: Staging Area Spatial Requirements for Facilitated Collection

Collection Points	Amount of 3 yd^3 Garbage Containers in Staging Area	Staging Area Space Required (m^2)*	Staging Area Space Provided (m^2)
South Block	22	103	117
North Block	15	74	119
* Estimated based upon standards from Greater Toronto and Hamilton Area municipalities.			

2.6.3 Collection Method

Halton Region provides collection for residential waste. For multi-unit residential collection, it is assumed that the truck driver does not need to exit the cab to maneuver containers for emptying. Considering this, and based on container counts, we assume:

a. Recycling, organics and garbage containers will require maintenance staff assistance during collection.

b. When the collection truck arrives, it will park in the loading area.

c. Staff will then bring a full bin to the front of the truck for tipping.

[5] Structural assessment completed by others.

d. After the bin in emptied, staff will remove the emptied bin from the front of the truck.

e. They will then bring the next full bin to the front of the truck so it can be tipped.

f. This will continue until all bins have been tipped.

2.6.4 Container Movement

On each collection day, prior to 7:00 AM., maintenance staff will move the bins from each Residential Waste Storage Room to their respective Collection Point. As shown using grey dashed arrows on the 'Ground Floor Plan' of Appendix A, bins from each Building will be transported to their respective Collection Points in the following way:

- Bins / carts from the Residential Waste Rooms of Buildings 1, 2, 3 and 4 will first be transported using a ride-on waste tractor and cart trailer along the development's main access roads to the staging area beside Building 1.
- Bins / carts from the Residential Waste Room of Buildings 5, 6 and 7 will be transported using a ride-on waste tractor and cart trailer along to developments access roads to the staging area between Buildings 5 and 6.

Once the Region's collection vehicle arrives at the collection point, maintenance staff will assist in moving and positioning the bins in front of the collection vehicle. This will allow its driver to remain within the vehicle during collection, and not require multiple rows of bins to be positioned for collection within the staging area (per Appendix 4 of the Guidelines, a minimum of 6 metres width). Staff will then shuffle bins in the staging area as the tipping proceeds. All waste containers will be returned to their respective Residential Waste Storage Rooms following collection.

The collection truck drive path is attached as Appendix B, showing the minimum 13 metre centreline turning radii, minimum 18 metre head-on approach and required vehicle reversal distance.

3.0 Commercial Waste Management

The development features two retail areas, both located on the ground level:

- A 454.5 m^2 retail space in Building 1.
- A 474.6 m^2 retail space in Building 7.

The Region will likely not provide waste collection for retail wastes generated by this development. As such, private collection will be arranged for commercial wastes generated by the property. Commercial wastes are expected to be stored separately from residential wastes within storage areas of each retail unit.

3.1 Storage Room & Equipment

It is expected that retail wastes will be stored in a dedicated Retail Waste Storage Room (shown on the 'Ground Floor Plan', see Appendix A) using 360 L carts. As needed, tenants will:

- Deliver their filled carts to the room, and
- Grab an empty cart before returning to their (commercial) unit.

Depending on the commercial tenant, particularly odorous or putrescible wastes might be generated. Therefore, more frequent collection and dedicated containers (for easy identification by tenants and maintenance staff) may be required for these types of wastes. More frequent collection may also be required to reduce the number of carts requiring storage in the room.

The Retail Waste Rooms are sufficiently sized for the storage and maneuvering of multiple 360 L carts for each waste stream, dependent on the operational requirements.

- Building 1's Retail Waste Room is sized 23.18 m^2.
- Building 7's Retail Waste Room is sized 18.86 m^2.

3.2 Collection Point and Waste Collection

Collection of commercial waste from Buildings 1 and 7 will take place at the same Collection Points as those used for residential waste. For Building 1, maintenance staff will transport the bins from the Retail Waste Room on the ground level to the Collection point on the ground level of Building 1. For Building 7, retail waste will travel from the Retail Waste Room directly to the Collection Point between Building's 5 and 6 using an external access route. A cart trailer to assist with movement of bins may be considered to assist.

Private collection of commercial waste will be scheduled so that it does not conflict with the Region's (residential) waste collection schedule.

4.0 Conclusions

From the research completed in preparing this report, Burnside believes that the Framgard mixed-use development's waste management system operates in a safe, functional, and accessible manner, compatible with the Region's residential waste collection system. Furthermore, the development's design provides the flexibility required to address future solid waste management systems.

Burnside will work with the architectural team to ensure the Site's design considers the Region's waste management Guidelines and provided ZBA comments when preparing the Site Plan Approval submission.

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[THE DIFFERENCE IS OUR PEOPLE]

Appendix A

Site Plans and Statistics

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	# of floors	GCA /per floor SF	GCA /per floor SM	GCA /Total SF	GCA /Total SM	Surface Parking Area SF	Surface Parking Area SM	GFA/per floor SF	GFA/per floor SM	GFA/Total SF	GFA/Total SM	Saleable/per floor SF	Saleable/per floor SM	Saleable/Total SF	Saleable/Total SM	RETAIL GFA SF	RETAIL GFA SM
BUILDING 1																	
MECHANICAL FLOOR	1	3,040.6	282.5	3,040.6	282.5			0.0	0.0	0.0	0.0	0.0	0.0				
UPPER PODIUM (L9-L15)	7	10,773.9	1,000.93	75,417.4	7,006.5			10,773.9	1,000.9	75,417.4	7,006.5	9,442.2	877.2	66,095.5	6,140.5		
LOWER PODIUM (L3-L8)	6	22,596.4	2,099.27	135,578.1	12,595.6			22,596.4	2,099.3	135,578.1	12,595.6	20,017.2	1,859.7	120,103.3	11,158.0		
LEVEL 2	1	18,643.2	1,732.01	18,643.2	1,732.0			18,643.2	1,732.0	18,643.2	1,732.0	16,015.0	1,487.8	16,015.0	1,487.8		
LEVEL GROUND*	1	22,589.9	2,098.67	22,589.9	2,098.7	27,949.0	2,596.55	22,589.9	2,098.7	22,589.9	2,098.7	6,512.2	605.0	6,512.2	605.0	4,892.2	454.5
PARKING LEVEL P1	1	65,864.0	6,118.97	65,864.0	6,119.0			65,864.0	6,119.0	65,864.0	6,119.0		0.0				
PARKING LEVEL P2	1	65,864.0	6,118.97	65,864.0	6,119.0			65,864.0	6,119.0	65,864.0	6,119.0		0.0				
TOTAL A/G:	15			255,269.3	23,715.3	27,949.0	2,596.6			252,228.7	23,432.8			208,725.9	19,391.3	4,892.2	454.5
TOTAL B/G	2			131,728.1	12,237.9					131,728.1	12,237.9						
BUILDING 2																	
MECHANICAL FLOOR	1	2,226.5	206.9	2,226.5	206.9			0.0	0.0	0.0	0.0	0.0					
UPPER PODIUM (L9-L14)	6	10,752.8	998.97	64,516.9	5,993.8			10,752.8	999.0	64,516.9	5,993.8	9,463.1	879.2	56,778.6	5,274.9		
LOWER PODIUM (L3-L8)	6	14,841.8	1,378.85	89,050.9	8,273.1			14,841.8	1,378.9	89,050.9	8,273.1	12,982.9	1,206.2	77,897.3	7,236.9		
LEVEL 2	1	14,841.8	1,378.85	14,841.8	1,378.9			14,841.8	1,378.9	14,841.8	1,378.9	12,982.9	1,206.2	12,982.9	1,206.2		
LEVEL GROUND*	1	14,623.3	1,358.55	14,623.3	1,358.6	17,945.2	1,667.16	14,623.3	1,358.6	14,623.3	1,358.6	4,769.1	443.1	4,769.1	443.1		
PARKING LEVEL P1	1	47,106.1	4,376.30	47,106.1	4,376.3			47,106.1	4,376.3	47,106.1	4,376.3		0.0				
PARKING LEVEL P2	1	47,106.1	4,376.30	47,106.1	4,376.3			47,106.1	4,376.3	47,106.1	4,376.3		0.0				
TOTAL A/G:	14			185,259.5	17,211.2	17,945.2	1,667.2			183,033.0	17,004.3			152,427.8	14,161.0	0	0
TOTAL B/G	2			94,212.2	8,752.6					94,212.2	8,752.6						
BUILDING 3																	
MECHANICAL FLOOR	1	2,226.5	206.9	2,226.5	206.9			0.0	0.0	0.0	0.0	0.0					
UPPER PODIUM (L9-L13)	5	10,752.8	998.97	53,764.1	4,994.9			10,752.8	999.0	53,764.1	4,994.9	9,462.4	879.1	47,312.2	4,395.5		
LOWER PODIUM (L3-L8)	6	14,389.1	1,336.79	86,334.5	8,020.7			14,389.1	1,336.8	86,334.5	8,020.7	12,982.9	1,206.2	77,897.3	7,236.9		
LEVEL 2	1	14,389.1	1,336.79	14,389.1	1,336.8			14,389.1	1,336.8	14,389.1	1,336.8	12,982.9	1,206.2	12,982.9	1,206.2		
LEVEL GROUND*	1	14,623.3	1,358.55	14,623.3	1,358.6	13,736.9	1,276.20	14,623.3	1,358.6	14,623.3	1,358.6	4,714.4	438.0	4,714.4	438.0		
PARKING LEVEL P1	1	51,399.2	4,775.14	51,399.2	4,775.1			51,399.2	4775.14	51,399.2	4,775.1		0.0				
PARKING LEVEL P2	1	44,744.6	4,156.91	44,744.6	4,156.9			44,744.6	4156.91	44,744.6	4,156.9		0.0				
TOTAL A/G:	13			171,337.6	15,917.8	13,736.9	1,276.2			169,111.0	15,710.9			142,906.8	13,276.5	0	0
TOTAL B/G	2			96,143.8	8,932.1					96,143.8	8,932.1						
BUILDING 4																	
MECHANICAL FLOOR	1	1,923.3	178.7	1,923.3	178.7			0.0	0.0	0.0	0.0	0.0					
UPPER PODIUM (L9-L15)	7	10,757.2	999.38	75,300.7	6,995.7			10,757.2	999.4	75,300.7	6,995.7	9,530.9	885.5	66,716.3	6,198.2		
LOWER PODIUM (L2-L8)	7	12,901.9	1,198.63	90,313.6	8,390.4			12,901.9	1,198.6	90,313.6	8,390.4	11,618.5	1,079.4	81,329.2	7,555.7		
LEVEL GROUND*	1	11,987.8	1,113.70	11,987.8	1,113.7	18,690.2	1,736.38	11,987.8	1,113.7	11,987.8	1,113.7	2,007.0	186.5	2,007.0	186.5		
PARKING LEVEL P1	1	40,506.9	3,763.21	40,506.9	3,763.2			40,506.9	3,763.2	40,506.9	3,763.2		0.0				
PARKING LEVEL P2	1	40,506.9	3,763.21	40,506.9	3,763.2			40,506.9	3,763.2	40,506.9	3,763.2		0.0				
TOTAL A/G:	15			179,525.3	16,678.5	18,690.2	1,736.4			177,602.0	16,499.8			150,052.6	13,940.3	0	0
TOTAL B/G	1			81,013.7	7,526.4					81,013.7	7,526.4						
BUILDING 5																	
MECHANICAL FLOOR	1	2,226.5	206.9	2,226.5	206.9			0.0	0.0	0.0	0.0	0.0					
UPPER PODIUM (L9-L13)	5	10,752.8	998.97	53,764.1	4,994.9			10,752.8	999.0	53,764.1	4,994.9	9,462.3	879.1	47,311.7	4,395.4		
LOWER PODIUM (L3-L8)	6	14,389.1	1,336.79	86,334.5	8,020.7			14,389.1	1,336.8	86,334.5	8,020.7	12,982.8	1,206.1	77,896.7	7,236.8		
LEVEL 2	1	14,389.1	1,336.79	14,389.1	1,336.8			14,389.1	1,336.8	14,389.1	1,336.8	12,982.8	1,206.1	12,982.8	1,206.1		
LEVEL GROUND*	1	14,389.1	1,336.79	14,389.1	1,336.8	14,419.8	1,339.64	14,389.1	1,336.8	14,389.1	1,336.8	4,968.3	461.6	4,968.3	461.6		
PARKING LEVEL P1	1	48,397.9	4,496.31	48,397.9	4,496.3			48,397.9	4,496.3	48,397.9	4,496.3		0.0				
PARKING LEVEL P2	1	48,397.9	4,496.31	48,397.9	4,496.3			48,397.9	4,496.3	48,397.9	4,496.3		0.0				
TOTAL A/G:	13			171,103.3	15,896.0	14,419.8	1,339.6			168,876.8	15,689.2			143,159.5	13,300.0	0	0
TOTAL B/G:	2			96,795.8	8,992.6					96,795.8	8,992.6						
BUILDING 6																	
MECHANICAL FLOOR	1	2,226.5	206.9	2,226.5	206.9			0.0	0.0	0.0	0.0	0.0					
UPPER PODIUM (L9-L12)	4	10,772.8	1,000.83	43,091.4	4,003.3			10,772.8	1,000.8	43,091.4	4,003.3	9,573.7	889.4	38,295.0	3,557.7		
LOWER PODIUM (L3-L8)	6	12,990.6	1,206.87	77,943.8	7,241.2			12,990.6	1,206.9	77,943.8	7,241.2	11,690.3	1,086.1	70,141.5	6,516.4		
LEVEL 2	1	12,990.6	1,206.87	12,990.6	1,206.9			12,990.6	1,206.9	12,990.6	1,206.9	11,690.3	1,086.1	11,690.3	1,086.1		
LEVEL GROUND*	1	12,990.6	1,206.87	12,990.6	1,206.9	15,857.8	1,473.24	12,990.6	1,206.9	12,990.6	1,206.9	4,223.4	392.4	4,223.4	392.4		
PARKING LEVEL P1	1	32,987.5	3,064.64	32,987.5	3,064.6			32,987.5	3,064.6	32,987.5	3,064.6		0.0				
PARKING LEVEL P2	1	32,987.5	3,064.64	32,987.5	3,064.6			32,987.5	3,064.6	32,987.5	3,064.6		0.0				
TOTAL A/G:	12			149,243.0	13,865.1	15,857.8	1,473.2			147,016.5	13,658.3			124,350.2	11,552.5	0	0
TOTAL B/G:	2			65,975.0	6,129.3					65,975.0	6,129.3						
BUILDING 7																	
MECHANICAL FLOOR	1	3,040.6	282.5	3,040.6	282.5			0.0	0.0	0.0	0.0	0.0	0.0				
UPPER PODIUM (L9-L15)	7	10,755.1	999.18	75,285.6	6,994.3			10,755.1	999.2	75,285.6	6,994.3	9,471.6	879.9	66,301.2	6,159.6		
LOWER PODIUM (L3-L8)	6	20,902.9	1,941.94	125,417.2	11,651.6			20,902.9	1,941.9	125,417.2	11,651.6	18,453.6	1,714.4	110,721.9	10,286.4		
LEVEL 2	1	16,596.2	1,541.84	16,596.2	1,541.8			16,596.2	1,541.8	16,596.2	1,541.8	14,070.7	1,307.2	14,070.7	1,307.2		
LEVEL GROUND*	1	21,114.9	1,961.64	21,114.9	1,961.6	27,674.8	2,571.07	21,114.9	1,961.6	21,114.9	1,961.6	5,118.5	475.5	5,118.5	475.5	5,108.0	474.6
PARKING LEVEL P1	1	60,436.6	5,614.74	60,436.6	5,614.7			60,436.6	5,614.7	60,436.6	5,614.7		0.0				
PARKING LEVEL P2	1	60,436.6	5,614.74	60,436.6	5,614.7			60,436.6	5,614.7	60,436.6	5,614.7		0.0				
TOTAL A/G:	15			241,454.5	22,431.9	27,674.8	2,571.1			238,413.9	22,149.4			196,212.2	18,228.7	5,108.0	474.6
TOTAL B/G:	2			120,873.1	11,229.5					120,873.1	11,229.5						
SOUTH SITE (BUILDINGS 1, 2,3 & 4)																	
TOTAL A/G				791,391.6	73,522.7	78,321.3	7,276.3			781,974.7	72,647.8			654,113.1	60,769.1	4,892.2	454.5
TOTAL B/G				403,097.8	37,449.0					403,097.8	37,449.0			0.0	0.0	0.0	0.0
							30.3%				24,003.2	3.0 density		Average units siz	59.1	sm	
NORTH SITE (BUILDINGS 5,6 & 7)																	
TOTAL A/G				561,800.9	52,193.0	57,952.4	5,384.0			554,307.3	51,496.8			463,721.9	43,081.2	5,108.0	474.6
TOTAL B/G				283,643.9	26,351.4					283,643.9	26,351.4			0.0	0.0	0.0	0.0
							30.8%				17,507.8	2.94 density		Average units siz	58.3	sm	
OVERALL NORTH + SOUTH SITE																	
TOTAL A/G				1,353,192.5	125,715.7	136,273.7	12,660.2			1,336,282.0	124,144.7			1,117,835.0	103,850.3	10,000.2	929.1
TOTAL B/G				686,741.7	63,800.4					686,741.7	63,800.4			0.0	0.0	0.0	0.0
							30.5%			Site area:	41,511.0	3.0 density		Average units siz	58.7	sm	

	UNITS COUNT/per floor 1B	1B+D	2B	2B+D	3B	# of UNITS PER FL	UNITS COUNT/total 1B	1B+D	2B	2B+D	3B	TOTAL # of UNITS	PROVIDED AMENITY INTERIOR SF	INTERIOR SM	EXTERIOR SF	EXTERIOR SM	VEHICULAR PARKING RESIDENTIAL Long-Term	RES.& NON-RES Short-term	BIKE PARKING RESIDENTIAL Long-Term	NON.RES Short-Term	BIKE STORAGE LOCKERS Per Floor	Total
BUILDING 1																						
MECHANICAL FLOOR																						0
UPPER PODIUM (L9-L15)	5	6	2	2		15	35	42	14	14		105		0.0		0.0						0
LOWER PODIUM (L3-L8)	1	25	3	2		31	6	150	18	12		186		0.0		0.0			42		7	42
LEVEL 2	1	19	3	2		25	1	19	3	2		25		0.0		0.0			7		7	7
LEVEL GROUND*	4	6	0	0		10	4	7	0	0		11	3,538.7	328.8	13,863.9	1,288.0		81	8	2	8	8
PARKING LEVEL P1																	167		88		88	88
PARKING LEVEL P2																	176		20		20	20
TOTAL A/G:							46	218	35	28	0	327	3,538.7	328.8	13,863.9	1,288.0	0	81	57	2		57
TOTAL B/G							N/A	N/A	N/A	N/A	N/A	N/A					343	0	108			108
							14.1%	66.7%	10.7%	8.6%	0.0%	100.0%		1.0		3.9	1.05	0.25	0.5	0.01		0.5
BUILDING 2																						
MECHANICAL FLOOR																						0
UPPER PODIUM (L9-L14)	5	7	2	1		15	30	42	12	6		90		0		0						0
LOWER PODIUM (L3-L8)	4	12	2	2		20	24	72	12	12		120		0		0						0
LEVEL 2	4	12	2	2		20	4	12	2	2		20	0	0		0						0
LEVEL GROUND*	2	6	0	0		8	2	6	0	0		8	2,661.5	247.26	10,320.8	958.8		45	50	2	50	50
PARKING LEVEL P1														247.3			123		49		49	49
PARKING LEVEL P2																	133		20		20	20
TOTAL A/G:							60	132	26	20	0	238	2,661.5	247.3	10,320.8	958.8	0	45	50	2		50
TOTAL B/G							N/A	N/A	N/A	N/A	N/A						256	0	69			69
							25.2%	55.5%	10.9%	8.4%	0.0%	100.0%		1.0		4.0	1.08	0.19	0.5	0.01		0.5
BUILDING 3																						
MECHANICAL FLOOR																						0
UPPER PODIUM (L9-L13)	6	6	2	1		15	30	30	10	5		75		0		0						0
LOWER PODIUM (L3-L8)	4	12	2	2		20	24	72	12	12		120		0		0						0
LEVEL 2	4	12	2	2		20	4	12	2	2		20	0	0		0						0
LEVEL GROUND*	3	5	0	0		8	3	5	0	0		8	2,661.5	247.26	9,601.4	892.0		47	62	2	62	62
PARKING LEVEL P1																	128		18		18	18
PARKING LEVEL P2																	117		42		42	42
TOTAL A/G:							61	119	24	19	0	223	2,661.5	247.3	9,601.4	892.0	0	47	62	2		62
TOTAL B/G							N/A	N/A	N/A	N/A	N/A						245	0	60			60
							27.4%	53.4%	10.8%	8.5%	0.0%	100.0%		1.1		4.0	1.10	0.21	0.5	0.01		0.5
BUILDING 4																						
MECHANICAL FLOOR																						0
UPPER PODIUM (L9-L15)	5	8	3	0		16	35	56	21	0		112		0		0						0
LOWER PODIUM (L2-L8)	1	13	4	0		18	7	91	28	0		126		0		0						0
LEVEL GROUND*	0	3	0	0		3	0	3	0	0		3	2,660.0	247.1	10,518.2	977.2		52	40	2	40	40
PARKING LEVEL P1																	94		41		41	41
PARKING LEVEL P2																	102		39		39	39
TOTAL A/G:							42	150	49	0	0	241	2,660.0	247.1	10,518.2	977.2	0	52	40	2		40
TOTAL B/G							N/A	N/A	N/A	N/A	N/A						196	0	80			80
							17.4%	62.2%	20.3%	0.0%	0.0%	100.0%		1.0		4.1	0.81	0.22	0.5	0.01		0.5
BUILDING 5																						
MECHANICAL FLOOR																						0
UPPER PODIUM (L9-L13)	5	7	2	1		15	25	35	10	5		75										0
LOWER PODIUM (L3-L8)	3	13	2	2		20	18	78	12	12		120										0
LEVEL 2	3	13	2	2		20	3	13	2	2		20										0
LEVEL GROUND*	1	6	1	0		8	1	6	1	0		8	2,424.0	225.2	9,605.8	892.4		46	62	2	62	62
PARKING LEVEL P1																	128	0	23		23	23
PARKING LEVEL P2																	133		23		23	23
TOTAL A/G:							47	132	25	19	0	223	2424.0	225.2	9605.812	892.41	0	46	62	2	62	62
TOTAL B/G:							N/A	N/A	N/A	N/A	N/A						261	0	46			46
							21.1%	59.2%	11.2%	8.5%	0.0%	100.0%		1.0		4.0	1.17	0.21	0.5	0.01		0.5
BUILDING 6																						
MECHANICAL FLOOR																						0
UPPER PODIUM (L9-L12)	3	8	4	0		15	12	32	16	0		60										0
LOWER PODIUM (L3-L8)	4	10	2	2		18	24	60	12	12		108										0
LEVEL 2	4	10	2	2		18	4	10	2	2		18										0
LEVEL GROUND*	2	4	1	0		7	2	4	1	0		7	2,112.0	196.21	8,310.8	772.1		44	38	2	38	38
PARKING LEVEL P1																	81	0	27		27	27
PARKING LEVEL P2																	82		27		27	27
TOTAL A/G:							42	106	31	14	0	193	2,112.0	196.2	8,310.8	772.1	0	44	38	2		38
TOTAL B/G:							N/A	N/A	N/A	N/A	N/A						163	0	54			54
							21.8%	54.9%	16.1%	7.3%	0.0%	100.0%		1.0		4.0	0.84	0.23	0.5	0.01		0.5
BUILDING 7																						
MECHANICAL FLOOR																						0
UPPER PODIUM (L9-L15)	8	7	1	1		17	56	49	7	7		119										0
LOWER PODIUM (L3-L8)	1	22	4	2		29	6	132	24	12		174							60		10	60
LEVEL 2	1	18	1	2		22	1	18	1	2		22							10		10	10
LEVEL GROUND*	0	8	0	0		8	0	8	0	0		8	3,271.6	303.9	13,911.9	1,292.5		73		2		0
PARKING LEVEL P1																	158	0	65		65	65
PARKING LEVEL P2																	157		35		35	35
TOTAL A/G:							63	207	32	21	0	323	3,271.6	303.9	13,911.9	1,292.5	0	73	70	2		70
TOTAL B/G:							N/A	N/A	N/A	N/A	N/A						315	0	100			100
							19.5%	64.1%	9.9%	6.5%	0.0%	100.0%		0.9		4.0	0.98	0.23	0.5	0.01		0.5
SOUTH SITE (BUILDINGS 1, 2,3 & 4)																						
TOTAL A/G							209	619	134	67	0	1,029	11,521.7	1,070.4	44,304.2	4,116.0	0	225	209	8		209
TOTAL B/G							0	0	0	0	0						1,040	0	317			317
							20.3%	60.2%	13.0%	6.5%	0.0%	100.0%		1.0	sm/per unit	4.0	1.0	0.22	0.5	0.01		0.5
NORTH SITE (BUILDINGS 5,6 & 7)																						
TOTAL A/G							152	445	88	54	0	739	7,807.6	725.4	31,828.5	2,957.0	0	163	170	6		170
TOTAL B/G							0	0	0	0	0						739	0	200			200
							20.6%	60.2%	11.9%	7.3%	0.0%	100.0%		1.0	sm/per unit	4.0	1.0	0.22	0.5	0.01		0.5
OVERALL NORTH + SOUTH SITE																						
TOTAL A/G							361	1,064	222	121	0	1,768	19,329.3	1,795.8	76,132.8	7,073.0	0	388	379	14		379
TOTAL B/G							0	0	0	0	0						1,779	0	517			517
							20.4%	60.2%	12.6%	6.8%	0.0%	100.0%		1.0	sm/per unit	4.0	1.0	0.22	0.5	0.01		0.5

1 / A001 STATS SUMMERY
REF.

ZONING REQUIREMENTS

SITE AREA	NORTH BLOCK: 17,507.8 SQ.M. / 188,452.4 SQ.FT. SOUTH BLOCK: 24,003.2 SQ.M. / 258,368.3 SQ.FT. TOTAL: 41,511.0 SQ.M. / 446,820.7 SQ.FT.	
SITE INFORMATION	SURVEY BY	
PROGRAM	MIXED USE	
ZONING	....	
	REQUIRED / PERMITTED	PROVIDED
BUILDING HEIGHT	15-STOREY	BUILDING 1 - 15-STOREYS (+ MECHANICAL) BUILDING 2 - 14-STOREYS (+ MECHANICAL) BUILDING 3 - 13-STOREYS (+ MECHANICAL) BUILDING 4 - 15-STOREYS (+ MECHANICAL) BUILDING 5 - 13-STOREYS (+ MECHANICAL) BUILDING 6 - 12-STOREYS (+ MECHANICAL) BUILDING 7 - 15-STOREYS (+ MECHANICAL)
MAX. DENSITY	3.0	3.0
LOADING		NORTH BLOCK: - 1 LOADING SPOT (6.0 x 18.0 m) for GARBAGE PICK UP; - 4 LOADING SPOTS (4.0 x 8.0 m) for DELIVERY; NORTH BLOCK: - 1 LOADING SPOT (6.0 x 18.0 m) for GARBAGE PICK UP; - 3 LOADING SPOTS (4.0 x 8.0 m) for DELIVERY;
GROSS FLOOR AREA		NORTH BLOCK: • RESIDENTIAL GFA (A/G)= 51,022.3 sm / 549,199.3 sf • RETAIL GFA (A/G) = 474.6 sm / 5,108.0 sf TOTAL (A/G): 51,496.8 sm / 554,307.3 sf SOUTH BLOCK: • RESIDENTIAL GFA (A/G)= 72,193.3 sm / 777,082.2 sf • RETAIL GFA (A/G) = 454.5 sm / 4,892.2 sf TOTAL (A/G): 72,647.8 sm / 781,974.7 sf
TOWER FLOOR PLATE		AVERAGE TOWER FLOOR PLATE ABOVE LEVEL 8: 1,000.0 m²
PARKING		
RES. VEHICULAR PARKING	REQUIRED: 1 PARKING STALL PER UNIT	PROVIDED: 2,167 PARKING SPACES • 1,779 RESIDENTIAL NORTH BLOCK: 722 TYP; 17 ACCESSIBLE SOUTH BLOCK: 1,018 TYP; 22 ACCESSIBLE • 388 NON-RES PARKING NORTH BLOCK: 156 TYP; 7 ACCESSIBLE SOUTH BLOCK: 218 TYP; 7 ACCESSIBLE
NON-RESIDENTIAL PARKING	REQUIRED: 0.22 PARKING STALL PER UNIT	
RESIDENT BICYCLE PARKING	RESIDENTIAL BIKE SPACES = 1,768 UNITS X 0.50 = 884 NON-RES BIKE PARKING = 14 BIKE PARKING STALLS	PROVIDED: 910 BICYCLE SPACES • 896 RESIDENTS NORTH BLOCK: 526 BIKE STALLS SOUTH BLOCK: 370 BIKE STALLS • 14 NON-RESIDENTS NORTH BLOCK: 6 BIKE STALLS SOUTH BLOCK: 8 BIKE STALLS
INTERIOR AMENITY SPACE	REQUIRED: 1 sm per UNIT = 1 x 1,768 = 1,768 sm	PROVIDED: 1,795.8 SM (1.02 SM /UNIT) NORTH BLOCK: 725.4 SM SOUTH BLOCK: 1,070.4 SM
EXTERIOR AMENITY SPACE	REQUIRED: 4 sm per UNIT = 4 x 1,768 = 7,072 sm	PROVIDED: 7,073.0 SM (4.0 SM /UNIT) NORTH BLOCK: 2,957.0 SM SOUTH BLOCK: 4,116.0 SM

UNIT COUNT			STUDIO (<45sm)	1 BEDROOM	1 BEDROOM + DEN	2 BEDROOM	2 BEDROOM + DEN	3 BEDROOM	
	NORTH BLOCK	MARKET UNITS	0 UNITS	152 UNITS	445 UNITS	88 UNITS	54 UNITS	0 UNITS	739 UNITS
	SOUTH BLOCK	MARKET UNITS	0 UNITS	209 UNITS	619 UNITS	134 UNITS	37 UNITS	0 UNITS	1,029 UNITS
	TOTAL FOR SOUTH & NORTH BLOCK	MARKET UNITS	0 UNITS	361 UNITS	1,064 UNITS	222 UNITS	121 UNITS	0 UNITS	1,768 UNITS
TOTAL # OF UNITS	1,768 RESIDENTIAL UNITS								

3 / A001 BUILDING STATISTICS
REF.

ARCHITECTURAL DRAWINGS LIST

DRAWING NO.	TITLE	DRAWING NO.	TITLE
SCHEDULES		PLANS	
A000	COVER PAGE	A207	NORTH BLOCK–LEVEL LOWER PODIUM
A001	DRAWING LIST & STATISTICS	A208	NORTH BLOCK–LEVEL UPPER PODIUM
A002	CONTEXT PLAN	A209	NORTH BLOCK–LEVEL MECHANICAL PH
A003	SURVEY PLAN	A210	NORTH BLOCK–LEVEL ROOF
PLANS		A212	TITLE PAGE: SOUTH BLOCK
A100	SITE PLAN	A250	SOUTH BLOCK–SITE PLAN
A101	LEVEL P2	A251	SOUTH BLOCK–LEVEL P2
A102	LEVEL P1	A252	SOUTH BLOCK–LEVEL P1
A103	LEVEL GROUND	A253	SOUTH BLOCK–LEVEL GROUND
A104	LEVEL 02	A254	SOUTH BLOCK–LEVEL 02
A105	LEVEL LOWER PODIUM	A255	SOUTH BLOCK–LEVEL LOWER PODIUM
A106	LEVEL UPPER PODIUM	A256	SOUTH BLOCK–LEVEL UPPER PODIUM
A107	LEVEL MECHANICAL PH	A257	SOUTH BLOCK–LEVEL MECHANICAL PH
A108	LEVEL ROOF	A258	SOUTH BLOCK–LEVEL ROOF
PLANS		MASSING / SECTIONS	
A200	TITLE PAGE: NORTH BLOCK	A401– A402	ELEVATIONS
A201	NORTH BLOCK–SITE PLAN	A410	SECTION
A202	NORTH BLOCK–CONCEPTUAL SITE PLAN	A450–A452	SHADOW STUDY
A203	NORTH BLOCK–LEVEL P2		
A204	NORTH BLOCK–LEVEL P1		
A205	NORTH BLOCK–LEVEL GROUND		
A206	NORTH BLOCK–LEVEL 02		

2 / A001 DRAWING LIST

No.	Revisions	Date
1.	ISSUED FOR ZBA	25 JULY 2023

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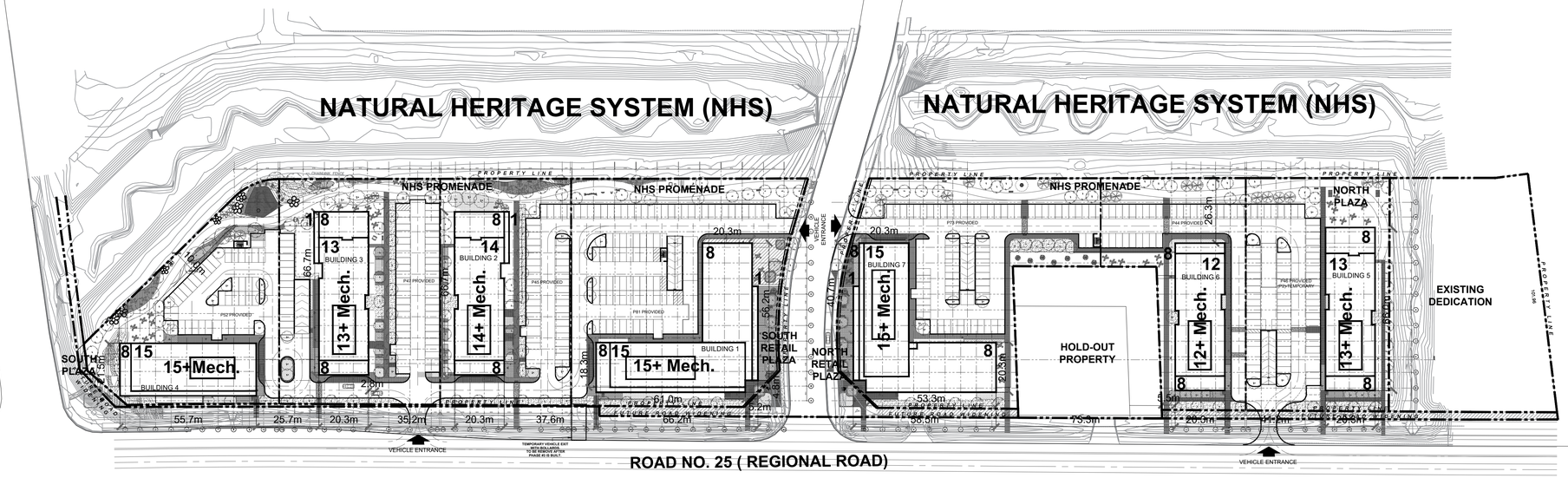
Drawn: JA, MK
Scale: NTS
Checked: BL
Date: 2023-07-25
Title: STATISTICS
Project No.: 22-210
Drawing No.: A001



1.	ISSUED FOR ZBA	25 JULY 2023

No.	Revisions	Date

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N

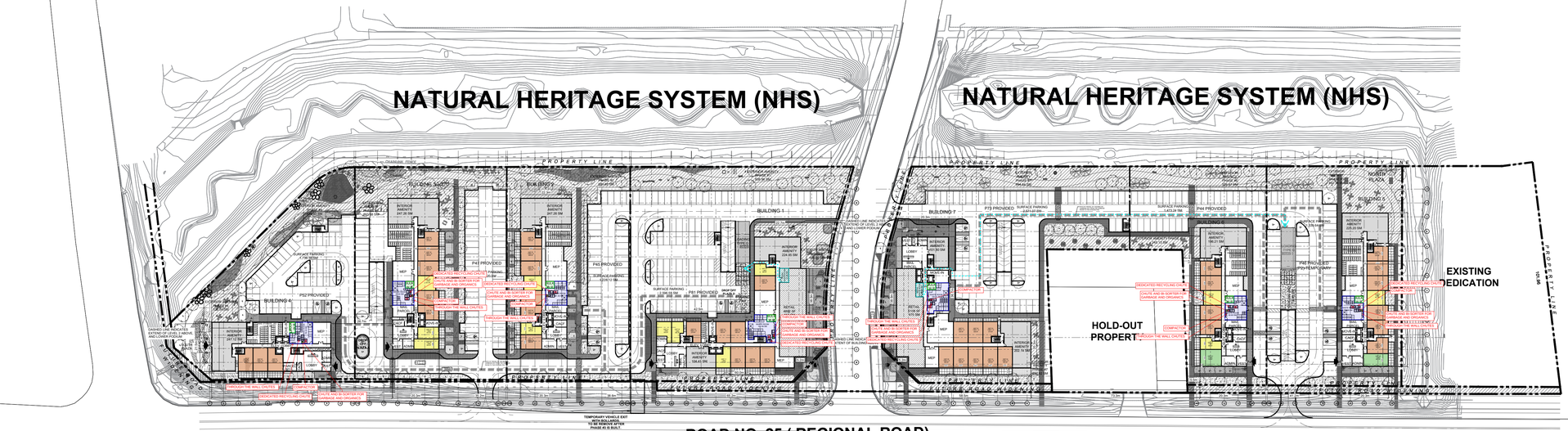
Drawn: JA, MK	Scale: 1:1000
Checked: BL	Date: 2023-07-25

Title: OVERALL SITE PLAN

Project No.: 22-210	Drawing No.: **A100**

R.J. BURNSIDE MARKUPS LEGEND:

- REMOVED BIN
- 360 L ORGANICS CART
- RESIDENTIAL WASTE STORAGE ROOM
- BULKY WASTE STORAGE ROOM
- RETAIL WASTE STORAGE ROOM
- RETAIL WASTE CONTAINER MOVEMENT PATH



1.	ISSUED FOR ZBA	25 JULY 2023
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Drawn: JA, MK	Scale: 1:100
Checked: BL	Date: 2023-07-25

Title: GROUND FLOOR PLAN

Project No.: 22-210	Drawing No.: A103

BURNSIDE

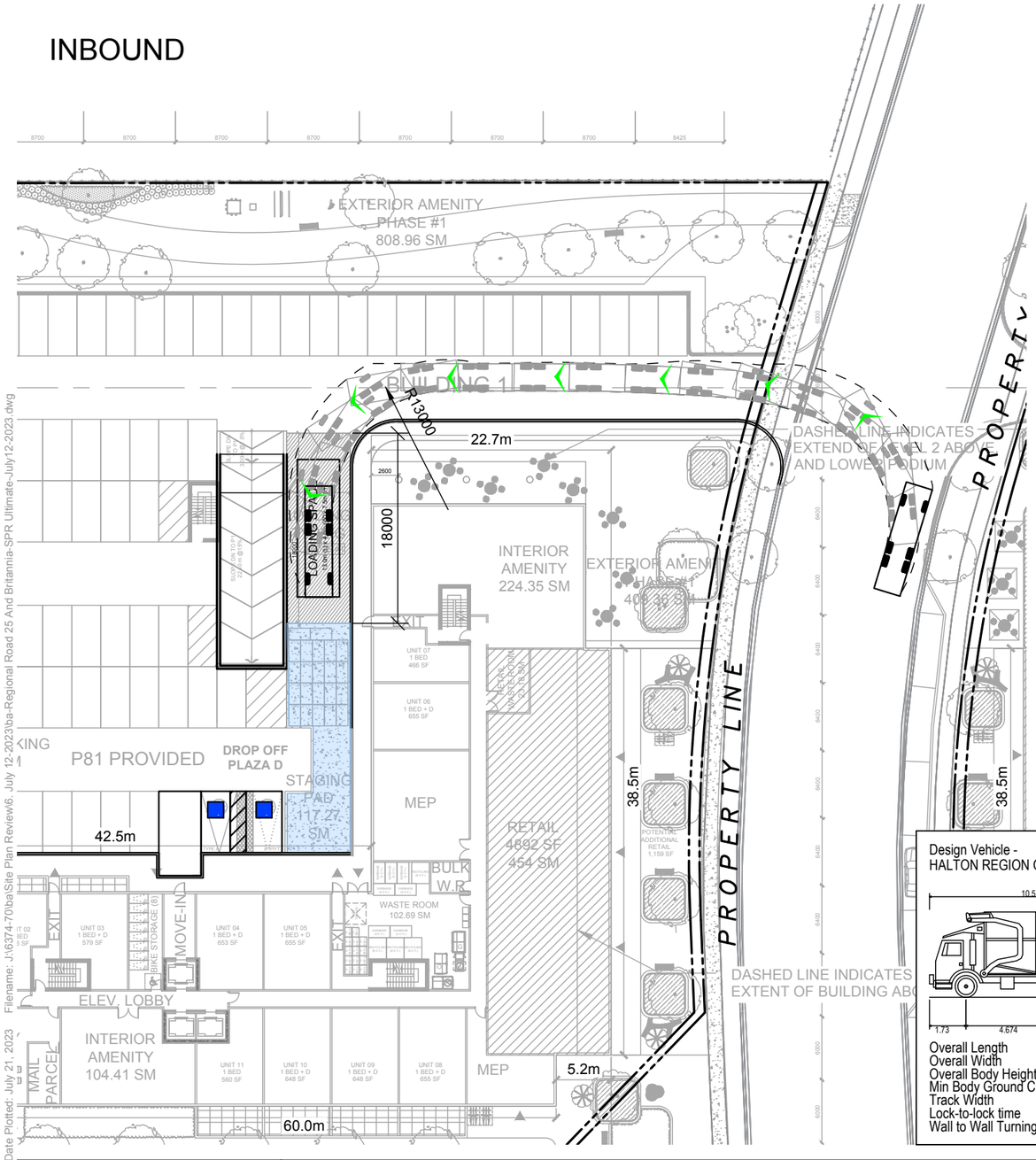
[THE DIFFERENCE IS OUR PEOPLE]

Appendix B

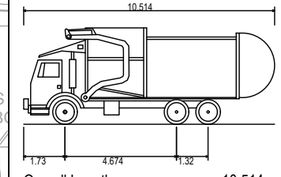
Waste Collection Vehicle Turning Path Analysis

INBOUND

OUTBOUND



Design Vehicle -
HALTON REGION GARBAGE, YR 2008-2014



Overall Length	10.514m
Overall Width	2.570m
Overall Body Height	4.040m
Min Body Ground Clearance	0.391m
Track Width	2.570m
Lock-to-lock time	5.00s
Wall to Wall Turning Radius	13.715m

BA Group

REGIONAL ROAD 25 & BRITANNIA ROAD

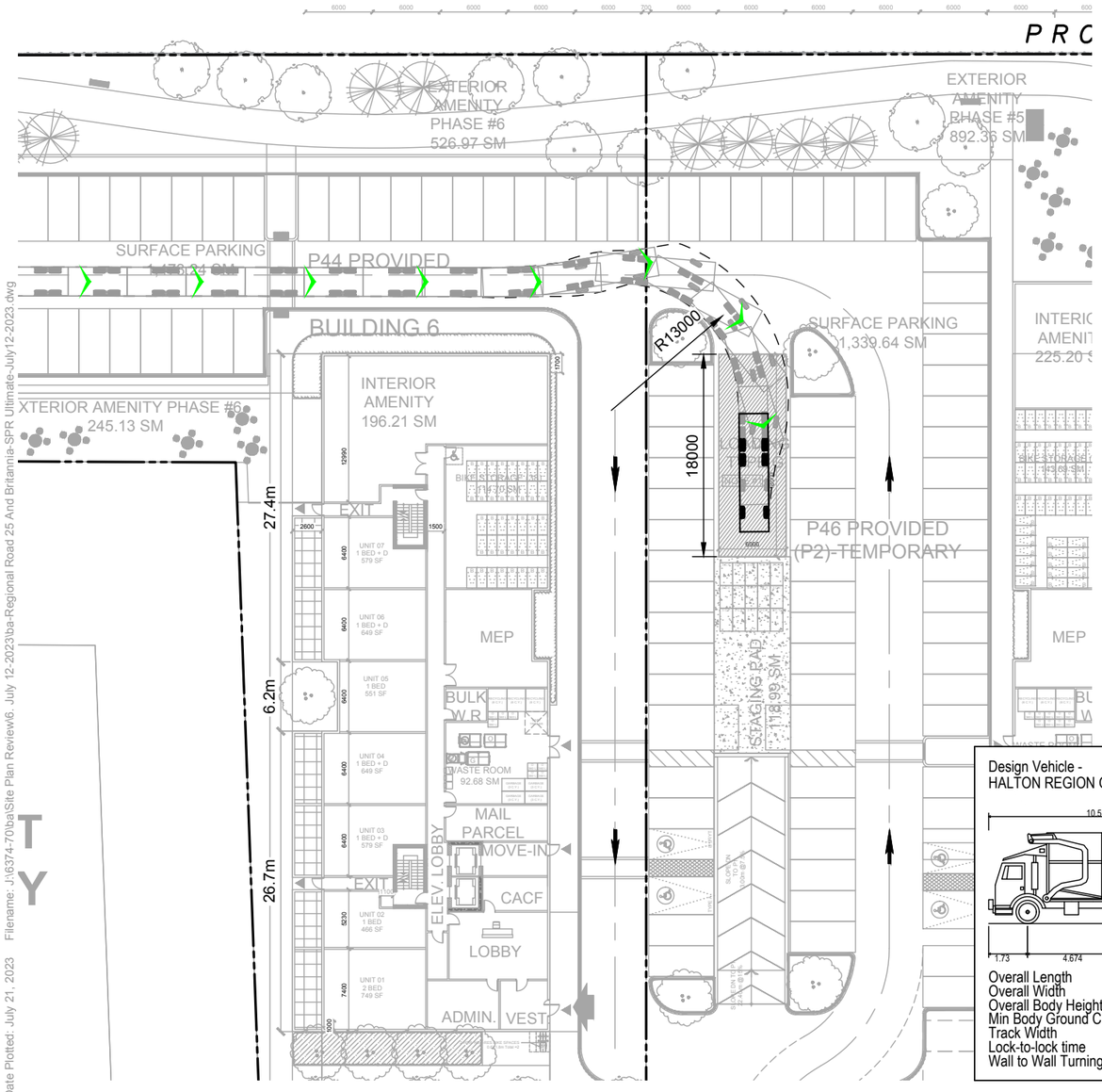
VEHICLE MANOEUVRING DIAGRAM
HALTON REGION GARBAGE TRUCK
SOUTH BLOCK

Project:	RR 25 & BRITANNIA
Project No.	6374-70
Date:	July 21, 2023
Revised:	--

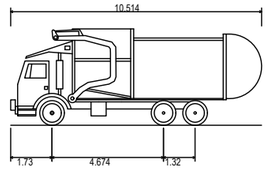
Scale 1:500 (0 5 10 15 20m)

Drawing No. VMD-01

INBOUND

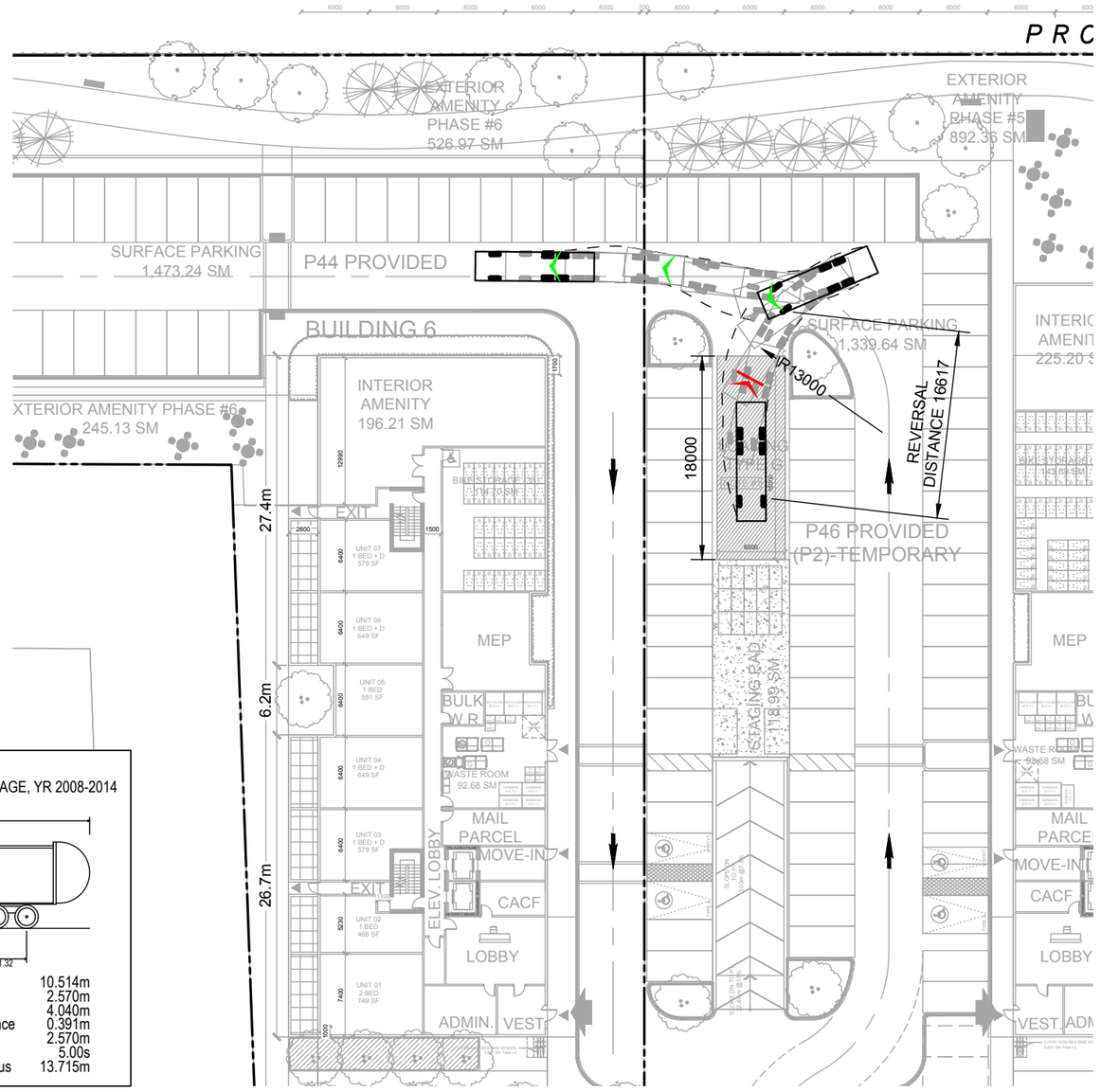


Design Vehicle -
HALTON REGION GARBAGE, YR 2008-2014



Overall Length	10.514m
Overall Width	2.570m
Overall Body Height	4.040m
Min Body Ground Clearance	0.391m
Track Width	2.570m
Lock-to-lock time	5.00s
Wall to Wall Turning Radius	13.715m

OUTBOUND



BA Group

REGIONAL ROAD 25 & BRITANNIA ROAD

VEHICLE MANOEUVRING DIAGRAM
HALTON REGION GARBAGE TRUCK
NORTH BLOCK

Project:	RR 25 & BRITANNIA
Project No.	6374-70
Date:	July 21, 2023
Revised:	--

Scale 1:500 (0 5 10 15 20m)

Drawing No. VMD-02

R.J. Burnside & Associates Limited