590 Argus Road, Oakville ON
ZBA Application
Solid Waste Management Plan

590 Argus LP
90 Wingold Avenue, Unit 1
Toronto, ON M6B 1P5

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March 2023
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590 Argus LP

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March 2023

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Waste Management Comment-Location Matrix

Requirement	Report Location	Notes
Set out and collection locations for residential and commercial units	Sections 2.3 & 3.0	
Staging Area Bin Configuration Figure	Appendix B, Figure 4	
Residential and/or Commercial Floors and Units	Section 1.0	
Number and Size of Waste Receptacles	Section 2.2	
Configuration of Waste Containers, Compacting and Sorting Equipment	Appendix B, Figures 1, 2, & 3	
Flow of Receptacles from the Waste Storage Room to Loading Area	Described in Sections 2.3 & 3.0, Illustrated in Appendix B, Figure 6	
Truck Turning Plan Showing Waste Collection Route (to and from Municipal Road)	Appendix C	
Turning Radius of 13 m from the Centreline	Illustrated in Appendix C	
Maximum 18 m Reversal Distance	Illustrated in Appendix C	Slight Exceedance
Loading Area Overhead Clearance of 7.5 metres	Described in Section 2.3 Illustrated in Appendix A, Level 1 Plan (No. A204).	
Number of Organics Carts (360 L) Required for the Site	Section 2.2	
Collection Point Level (+/- 2%)	Section 2.3, Appendix A, Waste Management & Loading Plan (No. A112), Note 7.	
Weight Capacity of Loading Area (35,000 kg)	Section 2.3, Appendix A, Waste Management & Loading Plan (No. A112), Note 5.	
Loading Area Width Required (6 metres)	Section 2.3, Appendix A, Waste Management & Loading Plan (No. A112), Note 6.	Type C loading area will not be in use during collection periods, meeting required width
Head-On Approach (Minimum 18 m)	Appendix C (figure VMD-01)	
Door Width for Bin Passage (min. 2.2 metres)	Appendix A, Waste Management & Loading Plan (No. A112), Note 10	
Sufficient Storage for all Waste Receptacles	Appendix B, Figures 1, 2, & 3	

1.0 Introduction

This document describes the preliminary Solid Waste Management Plan (Plan) developed for the proposed 590 Argus Road mixed-use development located in the Town of Oakville, 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) / construction, though it is currently expected that the methods of handling solid waste as expressed in this report will not require revision. This report will be developed further during SPA, featuring further specifics and operational detail.

This report is based on the 'Issued for OPA/ZBA' drawing package, dated March 20, 2023. The 'Building Statistics' (Drawing No. A002), 'Waste Management & Loading Plan' (Drawing No. A112), 'Level P1 Plan' (Drawing No. A203) and 'Level 1 Plan (Drawing No. A204) drawings from this set have been attached as . These parts of the drawing set describe the development's solid waste management features for both residential and commercial waste.

The 590 Argus Road development will provide:

- 1,750 residential units.
  - Tower A will be 44-storeys[1] and will contain 513 residential units.
  - Tower B will be 58-storeys and will contain 660 residential units.
  - Tower C will be 50-storeys and will contain 577 residential units.
- 1,744 m^2 Gross Floor Area (GFA) of commercial space
  - The ground floor of Tower A provides 470 m^2.
  - The ground floor of Tower B provides 599 m^2.
  - The ground floor of Tower C provides 637 m^2.
- Six-levels of underground parking (i.e., Levels P1 to P6).
  - All three Towers are connected at these parking levels.
- Each Tower has their own residential waste storage room located at Level P1.
- A commercial waste storage room is located on the ground floor of Tower A
- All three Towers share a Collection Point (including loading and staging area) in Tower A.

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

- Halton Region – 'Development Design Guidelines for Source Separation of Solid Waste, Regional Official Plan Guidelines', Version 1.0 dated June 2014;
- Pre-Consultation Meeting notes from Halton Region dated December 7, 2022;
- Halton Region – Direct communications with Halton Region's Multi-Residential Waste Diversion Coordinator;

[1] All floor counts include the six-storey podium that is shared by all three Towers.

- 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.

During the December 7, 2022, ZBA application meeting with Region staff, we were informed the development will not receive commercial waste collection services. Therefore, private collection must be arranged. The management of commercial wastes is discussed in Section 3.0.

2.0 Waste Management System Requirements

2.1 Residential Waste Storage Rooms

Towers A, B and C provide residents with equivalent waste disposal service. Each Tower has its own Residential Waste Storage Room located on Level P1. 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 chute system consisting of three separate chutes for recyclables, organics, and garbage will be used to deliver these wastes to the Residential Waste Storage Rooms.
  - The chute system will be accessible to all residential units via internal corridors.
  - Controls at chute access points include an interlock to prevent simultaneous access and access during maintenance.
- Each Residential Waste Storage Room will have a compactor to minimize the number of bins required for garbage storage.
- A room (i.e., the Bulky Waste Storage Area) adjacent to each Residential Waste Storage Room has been set aside for the storage of bulk waste. These rooms will be a minimum of 10 m^2 in size.
- All waste storage rooms (both for residential waste and commercial waste – see Section 3.0) will be locked and inaccessible to residents.
- All waste storage rooms, including bulky 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;
  - Adding odour neutralizer sprays in the waste room(s);
  - Increasing the ventilation (air changes per hour); and / or
  - Reducing the storage temperature (air conditioning).
- The width of the doors for all waste storage rooms will be enough to accommodate the size of all required waste containers, a minimum of 2.2 metres in width.

2.2 Residential Waste Equipment Requirements

Three chutes will lead recyclables, organic waste, and garbage into each Residential Waste Storage Room. The following equipment will be located under each chute:

- Recyclables chute: 6 yd^3 front-load bins for storing recyclables.
- Organics chute: 360 L semi-automated carts for storing organics waste.
- Garbage chute: A compactor that loads 3 yd^3 front-load bins for storing garbage.

Recyclables and garbage will be collected by the Region separately on different days each week. We've assumed twice weekly collection of garbage.

Burnside has determined waste storage container needs (bin counts) from the Guidelines and details provided via direct communications[2] with the Region's Multi-Residential Waste Diversion Coordinator.

1. Recycling (loose):
   - 46 residential units can be serviced by one 4 yd^3 front-lift bin.
   - 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 1 outlines the equipment requirements for each Residential Waste Storage Room. Maintenance staff will check the bins daily to ensure those reaching capacity are exchanged for empty ones. They will also control access to the Residential Waste Storage Room as there are safety concerns associated with the chutes and the garbage compactor.

Table 1: Residential Waste Storage Room Equipment

Item	Stream/Use	Quantity		
		Tower A (513 Units)	Tower B (660 Units)	Tower C (577 Units)
6 yd^3 front-lift container	Recycling	7	8	7
360 L semi-automated carts	Organics	21	27	24
3 yd^3 front-lift container (compaction type)	Garbage (compacted)	10	13	11
Waste Compactor	Compacts garbage into the 3 yd^3 front-lift bins	1	1	1
Bin Puller / Tractor	To move bins & (loaded) cart trailer	1		
Cart Trailer	To move carts	1		

The current design for each Residential Waste Storage Room not only meets these spatial requirements for all equipment, but also includes additional space to provide flexibility to accommodate future waste management needs and facilitate more efficient

[2] 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's Guidelines.

bin movements. An additional receptacle for each waste stream has been displayed within each of the storage room floor plans in Appendix B.

2.3 Collection Point and Waste Collection

Recyclables, organics, and garbage from all three Towers will be collected in one Collection Point, located on the ground floor of Tower A. The Collection Point will feature:

- a loading area 4 m in width by 13 m in length with an overhead clearance of 7.5 m.
  - sharing of the waste loading space will be scheduled in accordance with Regional pick-up times.
    - As such, the loading area will be greater than 6 metres in width, as the Type "C" loading area will not be used during these collection periods.
- a +/- 2% grade.
- a weight capacity of 35,000 kg (35 tonnes).

As seen from Table 1, garbage bins represent the worst-case staging area requirement for collection (highest number of front-lift bins). The staging area is approximately 157.5 m^2 which is more than enough space to store and maneuver all the garbage bins from all three Towers during a single collection day. The layout of garbage bins awaiting collection in the staging area is illustrated on Figure 4 in Appendix B.

On each collection day, prior to 7:00 AM., maintenance staff will move the bins from each Residential Waste Storage Room to the Collection Point. As shown in Appendix B, bins from all three Towers will be transported from to the "Waste Elevator" (located adjacent to the Bike Storage Room on Level P1). This elevator will then transport the bins from Level P1 to the staging area on the ground floor. Maintenance staff may use a ride-on tractor or a trash bin mover[3] for ease of transporting bins.

During collection, 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 in the staging are, positioned for collection (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 C, showing the minimum 13 metre centreline turning radii.

[3] The WasteCaddy (https://www.djproducts.com/product/video-wastecaddy-efficient-trash-bin-mover/, or https://www.djproducts.com/product/wastecaddy-ride-on-dumpster-mover/ accessed February 2023) is provided as an example.

3.0 Commercial Waste Management

The Region has stated they will not provide waste collection for commercial wastes generated by this development. As such, private collection will be arranged for commercial wastes produced at the property. Commercial wastes will be stored separately from residential wastes in a dedicated Commercial Waste Room (sized 91.9 m^2) located at the ground floor of Tower A, adjacent to the Waste Staging Area.

3.1 Storage Room & Equipment

It is expected that commercial wastes will be temporarily stored within each commercial unit in a small closet using 360 L carts (or smaller) for each waste stream (i.e., garbage, recyclables, and organic waste), before they are transported via an external route to the Commercial Waste Room. This movement will be completed by the commercial tenants either daily or once the cart(s) are filled.

Frequent collection may be required for odorous wastes generated by the potential daycare on the ground floor of Tower A. Dedicated containers for these wastes would be labelled for identification by daycare operators and maintenance staff.

The Commercial Waste Room will be of a sufficient size to allow for the storage and maneuvering of multiple 360 L carts or front-lift bins for each waste stream, dependent on the operational requirements.

3.1.1 Using Front-lift Bins

Should front-lift bins be used for storage, a cart tipper[4] will be required in the Commercial Waste Room to empty carts into front-lift bins. A sample layout for this Room, based on conservative estimates, has been shown as Figure 5 of Appendix B. This layout displays the anticipated:

- Weekly number of front-lift bins for collection.
- Two days' worth of full 360 L carts.
- One days' supply of empty 360 L carts.
- Cart-tipper floorspace.

[4] A cart tipper such as one from Vestil Manufacturing Corp. or similar may be used (e.g., https://www.vestil.com/product.php?FID=227, accessed February 2023).

The use of the room in this manner can be operated by either:

a) Commercial Tenants:

   Tenants will bring their waste carts to the waste storage room and use the cart tipper to empty the cart into the appropriate front-lift bin. The tenant will the return their emptied cart to their (commercial unit) storage closet.

   This option has the benefit of requiring the fewest carts. However, training must be provided to the tenant's staff for the safe use of the cart tipper.

b) Facility Maintenance:

   Tenants will bring their filled waste carts to the waste storage room. There will be spare, empty carts in the room. The tenant will grab one of the spare carts and return to their (commercial) unit, leaving their filled cart(s) in the waste storage room.

   Facility maintenance staff will empty the filled carts using the cart tipper. The emptied carts will then be positioned for reuse by the tenants.

   A minimum of two days of carts are recommended with this method. Tenant staff will not require training to operate the cart tipper.

3.1.2 Using Carts Only

If using only carts (no front-lift bins), then the tenants will:

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

This option is likely to require the highest number of carts compared to other options. Increasing collection frequency (i.e., recycling collection two times per week) would reduce the cart count. Some manual movement of waste to completely load partly filled carts may also reduce the number of carts required.

Burnside has not prepared a figure that shows this waste storage option.

3.2 Collection Point and Waste Collection

Collection of commercial waste will take place at the same Collection Point that is used for residential waste. Facility maintenance staff will be responsible for moving the front-lift bins or carts into the Waste Staging Area using the double doors that separate the staging area from the Commercial Waste Storage Room.

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 590 Argus Road 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 SPA submission.

BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix A

Site Plan and Statistics

590 ARGUS RD, OAKVILLE, ONTARIO, CANADA

590 ARGUS RD — ISSUED FOR OPA / ZBA — MARCH 20, 2023

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1	2023-03-20	ISSUED FOR OPA/ZBA

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COVER SHEET

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BUILDING STATISTICS - OVERALL

GCA BY LEVEL (BELOW GRADE)

LEVELS	AREA PER LEVEL (SM)	AREA PER LEVEL (SF)	NO. OF LEVELS TYPICAL	TOTAL AREA (SM)	TOTAL AREA (SF)
LEVEL P6	9,755.39 m²	105,006 SF	1	9,755.39 m²	105,006 SF
LEVEL P5	9,755.38 m²	105,006 SF	1	9,755.38 m²	105,006 SF
LEVEL P4	9,753.51 m²	104,986 SF	1	9,753.51 m²	104,986 SF
LEVEL P3	9,753.19 m²	104,982 SF	1	9,753.19 m²	104,982 SF
LEVEL P2	9,750.45 m²	104,953 SF	1	9,750.45 m²	104,953 SF
LEVEL P1	9,734.68 m²	104,783 SF	1	9,734.68 m²	104,783 SF
TOTAL	58,502.60 m²	629,717 SF	1	58,502.60 m²	629,717 SF

AREA SUMMARY (BELOW GRADE)

LEVELS	GCA (m²)	GCA (SF)	DEDUCTION (m²)	DEDUCTION (SF)	RESIDENTIAL GFA (m²)	RESIDENTIAL GFA (SF)	RETAIL GFA (m²)	RETAIL GFA (SF)	INDOOR AMENITY (m²)	INDOOR AMENITY (SF)	OUTDOOR AMENITY (m²)	OUTDOOR AMENITY (SF)	GFA (m²)	GFA (SF)
LEVEL P6	9,755.39 m²	105,006 SF	9,589.91 m²	103,225 SF	165.48 m²	1,781 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	165.48 m²	1,781 SF
LEVEL P5	9,755.38 m²	105,006 SF	9,589.62 m²	103,222 SF	165.76 m²	1,784 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	165.76 m²	1,784 SF
LEVEL P4	9,753.51 m²	104,986 SF	9,587.93 m²	103,204 SF	165.58 m²	1,782 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	165.58 m²	1,782 SF
LEVEL P3	9,753.19 m²	104,982 SF	9,589.13 m²	103,217 SF	164.06 m²	1,766 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	164.06 m²	1,766 SF
LEVEL P2	9,750.45 m²	104,953 SF	9,586.21 m²	103,185 SF	164.24 m²	1,768 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	164.24 m²	1,768 SF
LEVEL P1	9,734.68 m²	104,783 SF	8,908.51 m²	95,890 SF	826.17 m²	8,893 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	826.17 m²	8,893 SF
TOTAL	58,502.60 m²	629,717 SF	56,851.31 m²	611,942 SF	1,651.29 m²	17,774 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,651.29 m²	17,774 SF

UNIT SUMMARY

UNIT CATEGORY	MINIMUM (SF)	MAXIMUM (SF)	COUNT	%
1B	461 SF	1,198 SF	1218	70%
2B	734 SF	1,164 SF	455	26%
3B	659 SF	1,394 SF	77	4%
TOTAL			1750	

GCA BY LEVEL (ABOVE GRADE)

LEVELS	AREA PER LEVEL (SM)	AREA PER LEVEL (SF)	NO. OF LEVELS TYPICAL	TOTAL AREA (SM)	TOTAL AREA (SF)
LEVEL 01	4,761.96 m²	51,257 SF	1	4,761.96 m²	51,257 SF
LEVEL 02	5,429.62 m²	58,444 SF	1	5,429.62 m²	58,444 SF
LEVEL 03	5,730.13 m²	61,679 SF	1	5,730.13 m²	61,679 SF
LEVEL 04	5,473.08 m²	58,912 SF	1	5,473.08 m²	58,912 SF
LEVEL 05	5,520.60 m²	59,423 SF	1	5,520.60 m²	59,423 SF
LEVEL 06	5,273.17 m²	56,760 SF	1	5,273.17 m²	56,760 SF
LEVEL 07	4,167.33 m²	44,857 SF	1	4,167.33 m²	44,857 SF
LEVEL 08	3,907.42 m²	42,059 SF	1	3,907.42 m²	42,059 SF
LEVEL 09	3,593.85 m²	38,684 SF	1	3,593.85 m²	38,684 SF
LEVEL 10	3,328.30 m²	35,826 SF	1	3,328.30 m²	35,826 SF
LEVEL 11	3,037.95 m²	32,700 SF	1	3,037.95 m²	32,700 SF
LEVEL 12	2,774.16 m²	29,861 SF	1	2,774.16 m²	29,861 SF
LEVEL 13	2,551.35 m²	27,462 SF	1	2,551.35 m²	27,462 SF
LEVEL 14 + ABOVE	2,551.33 m²	27,462 SF	32 / 46 / 38	96,100.34 m²	1,034,415 SF
TOTAL	58,100.23 m²	625,386 SF		151,649.24 m²	1,632,339 SF

AREA SUMMARY (ABOVE GRADE)

LEVELS	GCA (m²)	GCA (SF)	DEDUCTION (m²)	DEDUCTION (SF)	RESIDENTIAL GFA (m²)	RESIDENTIAL GFA (SF)	RETAIL GFA (m²)	RETAIL GFA (SF)	INDOOR AMENITY (m²)	INDOOR AMENITY (SF)	OUTDOOR AMENITY (m²)	OUTDOOR AMENITY (SF)	GFA (m²)	GFA (SF)
LEVEL 01	4,761.96 m²	51,257 SF	1,263.78 m²	13,603 SF	1,754.52 m²	18,885 SF	1,743.66 m²	18,769 SF	650.87 m²	7,005.86 SF	0.00 m²	0.00 SF	3,498.18 m²	37,654 SF
LEVEL 02	5,429.62 m²	58,444 SF	1,375.42 m²	14,805 SF	4,054.20 m²	43,639 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	4,054.20 m²	43,639 SF
LEVEL 03	5,730.13 m²	61,679 SF	2,192.21 m²	23,597 SF	3,537.92 m²	38,082 SF	0.00 m²	0 SF	1,970.46 m²	21,209.84 SF	386.53 m²	4,160.61 SF	3,537.92 m²	38,082 SF
LEVEL 04	5,473.08 m²	58,912 SF	231.63 m²	2,493 SF	5,241.46 m²	56,419 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	5,241.46 m²	56,419 SF
LEVEL 05	5,520.60 m²	59,423 SF	231.64 m²	2,493 SF	5,288.96 m²	56,930 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	5,288.96 m²	56,930 SF
LEVEL 06	5,273.17 m²	56,760 SF	390.82 m²	4,207 SF	4,882.35 m²	52,553 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	4,882.35 m²	52,553 SF
LEVEL 07	4,167.33 m²	44,857 SF	250.84 m²	2,700 SF	3,916.49 m²	42,157 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	3,916.49 m²	42,157 SF
LEVEL 08	3,907.42 m²	42,059 SF	228.53 m²	2,460 SF	3,678.88 m²	39,599 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	3,678.88 m²	39,599 SF
LEVEL 09	3,593.85 m²	38,684 SF	231.04 m²	2,487 SF	3,362.80 m²	36,197 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	3,362.80 m²	36,197 SF
LEVEL 10	3,328.30 m²	35,826 SF	396.78 m²	4,271 SF	2,931.53 m²	31,555 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	2,931.53 m²	31,555 SF
LEVEL 11	3,037.95 m²	32,700 SF	226.52 m²	2,438 SF	2,811.43 m²	30,262 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	2,811.43 m²	30,262 SF
LEVEL 12	2,774.16 m²	29,861 SF	224.55 m²	2,417 SF	2,549.61 m²	27,444 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	2,549.61 m²	27,444 SF
LEVEL 13	2,551.35 m²	27,462 SF	222.75 m²	2,398 SF	2,328.60 m²	25,065 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	2,328.60 m²	25,065 SF
LEVEL 14 + ABOVE	96,100.34 m²	1,034,415 SF	8,390.26 m²	90,312 SF	87,710.08 m²	944,103 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	87,710.08 m²	944,103 SF
TOTAL	151,649.24 m²	1,632,339 SF	15,856.75 m²	170,681 SF	134,048.83 m²	1,442,890 SF	1,743.66 m²	18,769 SF	2,621.32 m²	28,215.70 SF	386.53 m²	4,160.61 SF	135,792.48 m²	1,461,658 SF

AREA BY TYPE

AREA TYPE	TOTAL AREA (SM)	TOTAL AREA (SF)
INDOOR AMENITY	2,621.32 m²	28,216 SF
OTHER	10,615.57 m²	114,265 SF
OUTDOOR AMENITY	386.53 m²	4,161 SF
RES. COMMON AREA	15,002.26 m²	161,483 SF
RES. SERVICE	2,405.90 m²	25,897 SF
RETAIL LEASABLE	1,656.01 m²	17,825 SF
RETAIL SERVICE	87.65 m²	943 SF
SALEABLE	116,640.67 m²	1,255,510 SF

UNIT SUMMARY (PER LEVEL)

LEVEL	UNIT CATEGORY	MINIMUM (SF)	MAXIMUM (SF)	COUNT
LEVEL 02	1B	500 SF	832 SF	28
LEVEL 02	2B	734 SF	1,164 SF	13
LEVEL 02	3B	904 SF	1,349 SF	7
				48
LEVEL 03	1B	527 SF	1,198 SF	28
LEVEL 03	2B	767 SF	908 SF	11
LEVEL 03	3B	904 SF	1,346 SF	5
				44
LEVEL 04	1B	527 SF	832 SF	35
LEVEL 04	2B	767 SF	935 SF	18
LEVEL 04	3B	736 SF	1,346 SF	8
				61
LEVEL 05	1B	529 SF	832 SF	37
LEVEL 05	2B	769 SF	908 SF	11
LEVEL 05	3B	659 SF	1,349 SF	14
				62
LEVEL 06	1B	461 SF	832 SF	42
LEVEL 06	2B	774 SF	924 SF	7
LEVEL 06	3B	904 SF	1,349 SF	9
				58
LEVEL 07	1B	529 SF	850 SF	33
LEVEL 07	2B	786 SF	937 SF	12
LEVEL 07	3B	1,015 SF	1,271 SF	5
				50
LEVEL 08	1B	529 SF	850 SF	34
LEVEL 08	2B	786 SF	905 SF	6
LEVEL 08	3B	1,045 SF	1,394 SF	6
				46
LEVEL 09	1B	529 SF	818 SF	28
LEVEL 09	2B	757 SF	1,020 SF	11
LEVEL 09	3B	1,008 SF	1,175 SF	4
				43
LEVEL 10	1B	529 SF	850 SF	20
LEVEL 10	2B	832 SF	881 SF	4
LEVEL 10	3B	906 SF	1,171 SF	9
				33
LEVEL 11	1B	488 SF	846 SF	24
LEVEL 11	2B	779 SF	998 SF	11
LEVEL 11	3B	1,003 SF	1,053 SF	2
				37
LEVEL 12	1B	548 SF	852 SF	19
LEVEL 12	2B	886 SF	937 SF	3
LEVEL 12	3B	937 SF	1,179 SF	8
				30
LEVEL 13	1B	523 SF	815 SF	23
LEVEL 13	2B	813 SF	976 SF	9
				32
LEVEL 14 (TYP)	1B	523 SF	815 SF	867
LEVEL 14 (TYP)	2B	813 SF	976 SF	339
				1206
TOTAL				1750

BUILDING STATISTICS - TOWER A

GCA BY LEVEL (ABOVE GRADE) TOWER A

LEVELS	AREA PER LEVEL (SM)	AREA PER LEVEL (SF)	NO. OF LEVELS TYPICAL	TOTAL AREA (SM)	TOTAL AREA (SF)
LEVEL 01	1,538.72 m²	16,563 SF	1	1,538.72 m²	16,563 SF
LEVEL 02	1,357.60 m²	14,613 SF	1	1,357.60 m²	14,613 SF
LEVEL 03	979.97 m²	10,548 SF	1	979.97 m²	10,548 SF
LEVEL 04	1,874.73 m²	20,179 SF	1	1,874.73 m²	20,179 SF
LEVEL 05	1,899.44 m²	20,445 SF	1	1,899.44 m²	20,445 SF
LEVEL 06	1,758.13 m²	18,924 SF	1	1,758.13 m²	18,924 SF
LEVEL 07	1,293.85 m²	13,927 SF	1	1,293.85 m²	13,927 SF
LEVEL 08	1,222.14 m²	13,155 SF	1	1,222.14 m²	13,155 SF
LEVEL 09	1,138.46 m²	12,254 SF	1	1,138.46 m²	12,254 SF
LEVEL 10	1,064.41 m²	11,457 SF	1	1,064.41 m²	11,457 SF
LEVEL 11	990.32 m²	10,660 SF	1	990.32 m²	10,660 SF
LEVEL 12	912.27 m²	9,820 SF	1	912.27 m²	9,820 SF
LEVEL 13	850.56 m²	9,155 SF	1	850.56 m²	9,155 SF
LEVEL 14 TO 44	850.56 m²	9,155 SF	31	26,367.35 m²	283,816 SF
TOTAL	17,731.15 m²	190,857 SF		43,247.94 m²	465,517 SF

AREA SUMMARY (ABOVE GRADE) TOWER A

LEVELS	GCA (m²)	GCA (SF)	DEDUCTION (m²)	DEDUCTION (SF)	RESIDENTIAL GFA (m²)	RESIDENTIAL GFA (SF)	RETAIL GFA (m²)	RETAIL GFA (SF)	INDOOR AMENITY (m²)	INDOOR AMENITY (SF)	OUTDOOR AMENITY (m²)	OUTDOOR AMENITY (SF)	GFA (m²)	GFA (SF)
LEVEL 01	1,538.72 m²	16,563 SF	541.20 m²	5,825 SF	527.30 m²	5,676 SF	470.23 m²	5,061 SF	206.46 m²	2,222.29 SF	0.00 m²	0.00 SF	997.52 m²	10,737 SF
LEVEL 02	1,357.60 m²	14,613 SF	351.54 m²	3,784 SF	1,006.06 m²	10,829 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,006.06 m²	10,829 SF
LEVEL 03	979.97 m²	10,548 SF	73.80 m²	794 SF	906.16 m²	9,754 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	906.16 m²	9,754 SF
LEVEL 04	1,874.73 m²	20,179 SF	80.10 m²	862 SF	1,794.64 m²	19,317 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,794.64 m²	19,317 SF
LEVEL 05	1,899.44 m²	20,445 SF	81.59 m²	878 SF	1,817.85 m²	19,567 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,817.85 m²	19,567 SF
LEVEL 06	1,758.13 m²	18,924 SF	114.75 m²	1,235 SF	1,643.38 m²	17,689 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,643.38 m²	17,689 SF
LEVEL 07	1,293.85 m²	13,927 SF	84.19 m²	906 SF	1,209.66 m²	13,021 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,209.66 m²	13,021 SF
LEVEL 08	1,222.14 m²	13,155 SF	76.80 m²	827 SF	1,145.34 m²	12,328 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,145.34 m²	12,328 SF
LEVEL 09	1,138.46 m²	12,254 SF	78.05 m²	840 SF	1,060.41 m²	11,414 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,060.41 m²	11,414 SF
LEVEL 10	1,064.41 m²	11,457 SF	117.71 m²	1,267 SF	946.70 m²	10,190 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	946.70 m²	10,190 SF
LEVEL 11	990.32 m²	10,660 SF	76.56 m²	824 SF	913.77 m²	9,836 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	913.77 m²	9,836 SF
LEVEL 12	912.27 m²	9,820 SF	75.15 m²	809 SF	837.11 m²	9,011 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	837.11 m²	9,011 SF
LEVEL 13	850.56 m²	9,155 SF	74.33 m²	800 SF	776.23 m²	8,355 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	776.23 m²	8,355 SF
LEVEL 14 TO 44	26,367.35 m²	283,816 SF	2,304.22 m²	24,802 SF	24,063.13 m²	259,013 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	24,063.13 m²	259,013 SF
TOTAL	43,247.94 m²	465,517 SF	4,130.00 m²	44,455 SF	38,647.72 m²	416,001 SF	470.23 m²	5,061 SF	206.46 m²	2,222.29 SF	0.00 m²	0.00 SF	39,117.95 m²	421,062 SF

UNIT SUMMARY TOWER A

UNIT CATEGORY	MINIMUM (SF)	MAXIMUM (SF)	COUNT	%
1B	523 SF	852 SF	360	70%
2B	767 SF	1,164 SF	127	25%
3B	659 SF	1,394 SF	26	5%
TOTAL			513	

UNIT SUMMARY (PER LEVEL) TOWER A

LEVEL	UNIT CATEGORY	MINIMUM (SF)	MAXIMUM (SF)	COUNT
LEVEL 02	1B	531 SF	832 SF	7
LEVEL 02	2B	773 SF	1,164 SF	4
LEVEL 02	3B	904 SF	1,073 SF	2
				13
LEVEL 03	1B	569 SF	832 SF	7
LEVEL 03	2B	780 SF	869 SF	3
LEVEL 03	3B	904 SF	1,073 SF	2
				12
LEVEL 04	1B	569 SF	832 SF	11
LEVEL 04	2B	767 SF	869 SF	6
LEVEL 04	3B	736 SF	1,073 SF	4
				21
LEVEL 05	1B	569 SF	832 SF	13
LEVEL 05	2B	837 SF	898 SF	2
LEVEL 05	3B	659 SF	1,073 SF	7
				22
LEVEL 06	1B	569 SF	832 SF	13
LEVEL 06	2B	837 SF	924 SF	3
LEVEL 06	3B	904 SF	1,073 SF	2
				18
LEVEL 07	1B	534 SF	850 SF	10
LEVEL 07	2B	832 SF	937 SF	4
LEVEL 07	3B	1,271 SF	1,271 SF	1
				15
LEVEL 08	1B	534 SF	850 SF	11
LEVEL 08	2B	832 SF	832 SF	1
LEVEL 08	3B	1,045 SF	1,394 SF	2
				14
LEVEL 09	1B	534 SF	818 SF	9
LEVEL 09	2B	832 SF	860 SF	2
LEVEL 09	3B	1,008 SF	1,175 SF	2
				13
LEVEL 10	1B	534 SF	850 SF	8
LEVEL 10	2B	832 SF	832 SF	1
LEVEL 10	3B	925 SF	1,010 SF	2
				11
LEVEL 11	1B	541 SF	846 SF	8
LEVEL 11	2B	870 SF	985 SF	4
				12
LEVEL 12	1B	557 SF	852 SF	7
LEVEL 12	2B	937 SF	937 SF	1
LEVEL 12	3B	1,093 SF	1,127 SF	2
				10
LEVEL 13	1B	523 SF	642 SF	8
LEVEL 13	2B	813 SF	928 SF	3
				11
LEVEL 14 (TO L44)	1B	523 SF	642 SF	248
LEVEL 14 (TO L44)	2B	813 SF	928 SF	93
				341
TOTAL				513

BUILDING STATISTICS - TOWER B

GCA BY LEVEL (ABOVE GRADE) TOWER B

LEVELS	AREA PER LEVEL (SM)	AREA PER LEVEL (SF)	NO. OF LEVELS TYPICAL	TOTAL AREA (SM)	TOTAL AREA (SF)
LEVEL 01	1,055.54 m²	11,362 SF	1	1,055.54 m²	11,362 SF
LEVEL 02	1,600.54 m²	17,228 SF	1	1,600.54 m²	17,228 SF
LEVEL 03	3,045.70 m²	32,784 SF	1	3,045.70 m²	32,784 SF
LEVEL 04	1,585.69 m²	17,068 SF	1	1,585.69 m²	17,068 SF
LEVEL 05	1,809.33 m²	19,475 SF	1	1,809.33 m²	19,475 SF
LEVEL 06	1,552.30 m²	16,709 SF	1	1,552.30 m²	16,709 SF
LEVEL 07	1,293.85 m²	13,927 SF	1	1,293.85 m²	13,927 SF
LEVEL 08	1,222.14 m²	13,155 SF	1	1,222.14 m²	13,155 SF
LEVEL 09	1,138.46 m²	12,254 SF	1	1,138.46 m²	12,254 SF
LEVEL 10	1,064.41 m²	11,457 SF	1	1,064.41 m²	11,457 SF
LEVEL 11	990.32 m²	10,660 SF	1	990.32 m²	10,660 SF
LEVEL 12	912.27 m²	9,820 SF	1	912.27 m²	9,820 SF
LEVEL 13	850.56 m²	9,155 SF	1	850.56 m²	9,155 SF
LEVEL 14 TO 58	850.56 m²	9,155 SF	45	38,275.19 m²	411,991 SF
TOTAL	18,971.66 m²	204,209 SF		56,396.28 m²	607,045 SF

AREA SUMMARY (ABOVE GRADE) TOWER B

LEVELS	GCA (m²)	GCA (SF)	DEDUCTION (m²)	DEDUCTION (SF)	RESIDENTIAL GFA (m²)	RESIDENTIAL GFA (SF)	RETAIL GFA (m²)	RETAIL GFA (SF)	INDOOR AMENITY (m²)	INDOOR AMENITY (SF)	OUTDOOR AMENITY (m²)	OUTDOOR AMENITY (SF)	GFA (m²)	GFA (SF)
LEVEL 01	1,055.54 m²	11,362 SF	78.36 m²	843 SF	378.25 m²	4,071 SF	598.93 m²	6,447 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	977.18 m²	10,518 SF
LEVEL 02	1,600.54 m²	17,228 SF	299.59 m²	3,225 SF	1,300.95 m²	14,003 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,300.95 m²	14,003 SF
LEVEL 03	3,045.70 m²	32,784 SF	2,013.18 m²	21,670 SF	1,032.51 m²	11,114 SF	0.00 m²	0 SF	1,970.46 m²	21,209.84 SF	386.53 m²	4,160.61 SF	1,032.51 m²	11,114 SF
LEVEL 04	1,585.69 m²	17,068 SF	47.13 m²	507 SF	1,538.55 m²	16,561 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,538.55 m²	16,561 SF
LEVEL 05	1,809.33 m²	19,475 SF	45.66 m²	492 SF	1,763.67 m²	18,984 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,763.67 m²	18,984 SF
LEVEL 06	1,552.30 m²	16,709 SF	93.99 m²	1,012 SF	1,458.31 m²	15,697 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,458.31 m²	15,697 SF
LEVEL 07	1,293.85 m²	13,927 SF	84.19 m²	906 SF	1,209.66 m²	13,021 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,209.66 m²	13,021 SF
LEVEL 08	1,222.14 m²	13,155 SF	76.80 m²	827 SF	1,145.34 m²	12,328 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,145.34 m²	12,328 SF
LEVEL 09	1,138.46 m²	12,254 SF	78.05 m²	840 SF	1,060.41 m²	11,414 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,060.41 m²	11,414 SF
LEVEL 10	1,064.41 m²	11,457 SF	117.71 m²	1,267 SF	946.70 m²	10,190 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	946.70 m²	10,190 SF
LEVEL 11	990.32 m²	10,660 SF	76.56 m²	824 SF	913.77 m²	9,836 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	913.77 m²	9,836 SF
LEVEL 12	912.27 m²	9,820 SF	75.15 m²	809 SF	837.11 m²	9,011 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	837.11 m²	9,011 SF
LEVEL 13	850.56 m²	9,155 SF	74.33 m²	800 SF	776.23 m²	8,355 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	776.23 m²	8,355 SF
LEVEL 14 TO 58	38,275.19 m²	411,991 SF	3,344.84 m²	36,004 SF	34,930.35 m²	375,987 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	34,930.35 m²	375,987 SF
TOTAL	56,396.28 m²	607,045 SF	6,505.55 m²	70,025 SF	49,291.81 m²	530,573 SF	598.93 m²	6,447 SF	1,970.46 m²	21,209.84 SF	386.53 m²	4,160.61 SF	49,890.74 m²	537,019 SF

UNIT SUMMARY TOWER B

UNIT CATEGORY	MINIMUM (SF)	MAXIMUM (SF)	COUNT	%
1B	461 SF	1,198 SF	470	71%
2B	734 SF	985 SF	164	25%
3B	723 SF	1,394 SF	26	4%
TOTAL			660	

UNIT SUMMARY (PER LEVEL) TOWER B

LEVEL	UNIT CATEGORY	MINIMUM (SF)	MAXIMUM (SF)	COUNT
LEVEL 02	1B	536 SF	821 SF	9
LEVEL 02	2B	734 SF	860 SF	3
LEVEL 02	3B	911 SF	1,259 SF	3
				15
LEVEL 03	1B	569 SF	1,198 SF	8
LEVEL 03	2B	830 SF	869 SF	2
LEVEL 03	3B	904 SF	1,067 SF	2
				12
LEVEL 04	1B	569 SF	821 SF	8
LEVEL 04	2B	830 SF	935 SF	4
LEVEL 04	3B	904 SF	1,068 SF	3
				15
LEVEL 05	1B	570 SF	832 SF	9
LEVEL 05	2B	837 SF	898 SF	3
LEVEL 05	3B	723 SF	1,263 SF	6
				18
LEVEL 06	1B	461 SF	832 SF	15
LEVEL 06	2B	837 SF	837 SF	1
LEVEL 06	3B	904 SF	1,092 SF	3
				19
LEVEL 07	1B	534 SF	850 SF	10
LEVEL 07	2B	832 SF	937 SF	4
LEVEL 07	3B	1,271 SF	1,271 SF	1
				15
LEVEL 08	1B	534 SF	850 SF	11
LEVEL 08	2B	832 SF	832 SF	1
LEVEL 08	3B	1,045 SF	1,394 SF	2
				14
LEVEL 09	1B	534 SF	818 SF	9
LEVEL 09	2B	832 SF	860 SF	2
LEVEL 09	3B	1,008 SF	1,175 SF	2
				13
LEVEL 10	1B	534 SF	850 SF	8
LEVEL 10	2B	832 SF	832 SF	1
LEVEL 10	3B	925 SF	1,010 SF	2
				11
LEVEL 11	1B	541 SF	846 SF	8
LEVEL 11	2B	870 SF	985 SF	4
				12
LEVEL 12	1B	557 SF	852 SF	7
LEVEL 12	2B	937 SF	937 SF	1
LEVEL 12	3B	1,093 SF	1,127 SF	2
				10
LEVEL 13	1B	523 SF	642 SF	8
LEVEL 13	2B	813 SF	928 SF	3
				11
LEVEL 14 (TO L58)	1B	523 SF	642 SF	360
LEVEL 14 (TO L58)	2B	813 SF	928 SF	135
				495
TOTAL				660

BUILDING STATISTICS - TOWER C

GCA BY LEVEL (ABOVE GRADE) TOWER C

LEVELS	AREA PER LEVEL (SM)	AREA PER LEVEL (SF)	NO. OF LEVELS TYPICAL	TOTAL AREA (SM)	TOTAL AREA (SF)
LEVEL 01	1,535.61 m²	16,529 SF	1	1,535.61 m²	16,529 SF
LEVEL 02	2,276.21 m²	24,501 SF	1	2,276.21 m²	24,501 SF
LEVEL 03	1,534.37 m²	16,516 SF	1	1,534.37 m²	16,516 SF
LEVEL 04	1,979.72 m²	21,310 SF	1	1,979.72 m²	21,310 SF
LEVEL 05	1,778.89 m²	19,148 SF	1	1,778.89 m²	19,148 SF
LEVEL 06	1,827.37 m²	19,670 SF	1	1,827.37 m²	19,670 SF
LEVEL 07	1,579.63 m²	17,003 SF	1	1,579.63 m²	17,003 SF
LEVEL 08	1,463.14 m²	15,749 SF	1	1,463.14 m²	15,749 SF
LEVEL 09	1,316.93 m²	14,175 SF	1	1,316.93 m²	14,175 SF
LEVEL 10	1,199.48 m²	12,911 SF	1	1,199.48 m²	12,911 SF
LEVEL 11	1,057.30 m²	11,381 SF	1	1,057.30 m²	11,381 SF
LEVEL 12	949.62 m²	10,222 SF	1	949.62 m²	10,222 SF
LEVEL 13	850.23 m²	9,152 SF	1	850.23 m²	9,152 SF
LEVEL 14 TO 50	850.21 m²	9,152 SF	37	31,457.80 m²	338,609 SF
TOTAL	20,198.73 m²	217,417 SF		50,806.32 m²	546,875 SF

AREA SUMMARY (ABOVE GRADE) TOWER C

LEVELS	GCA (m²)	GCA (SF)	DEDUCTION (m²)	DEDUCTION (SF)	RESIDENTIAL GFA (m²)	RESIDENTIAL GFA (SF)	RETAIL GFA (m²)	RETAIL GFA (SF)	INDOOR AMENITY (m²)	INDOOR AMENITY (SF)	OUTDOOR AMENITY (m²)	OUTDOOR AMENITY (SF)	GFA (m²)	GFA (SF)
LEVEL 01	1,535.61 m²	16,529 SF	264.16 m²	2,843 SF	634.87 m²	6,834 SF	636.58 m²	6,852 SF	162.01 m²	1,743.85 SF	0.00 m²	0.00 SF	1,271.46 m²	13,686 SF
LEVEL 02	2,276.21 m²	24,501 SF	702.75 m²	7,564 SF	1,573.46 m²	16,937 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,573.46 m²	16,937 SF
LEVEL 03	1,534.37 m²	16,516 SF	39.36 m²	424 SF	1,495.01 m²	16,092 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,495.01 m²	16,092 SF
LEVEL 04	1,979.72 m²	21,310 SF	71.45 m²	769 SF	1,908.27 m²	20,540 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,908.27 m²	20,540 SF
LEVEL 05	1,778.89 m²	19,148 SF	71.45 m²	769 SF	1,707.45 m²	18,379 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,707.45 m²	18,379 SF
LEVEL 06	1,827.37 m²	19,670 SF	46.71 m²	503 SF	1,780.67 m²	19,167 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,780.67 m²	19,167 SF
LEVEL 07	1,579.63 m²	17,003 SF	82.46 m²	888 SF	1,497.17 m²	16,115 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,497.17 m²	16,115 SF
LEVEL 08	1,463.14 m²	15,749 SF	74.94 m²	807 SF	1,388.20 m²	14,942 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,388.20 m²	14,942 SF
LEVEL 09	1,316.93 m²	14,175 SF	74.94 m²	807 SF	1,241.98 m²	13,369 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,241.98 m²	13,369 SF
LEVEL 10	1,199.48 m²	12,911 SF	161.36 m²	1,737 SF	1,038.13 m²	11,174 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	1,038.13 m²	11,174 SF
LEVEL 11	1,057.30 m²	11,381 SF	73.40 m²	790 SF	983.90 m²	10,591 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	983.90 m²	10,591 SF
LEVEL 12	949.62 m²	10,222 SF	74.24 m²	799 SF	875.38 m²	9,423 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	875.38 m²	9,423 SF
LEVEL 13	850.23 m²	9,152 SF	74.09 m²	797 SF	776.14 m²	8,354 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	776.14 m²	8,354 SF
LEVEL 14 TO 50	31,457.80 m²	338,609 SF	2,741.20 m²	29,506 SF	28,716.60 m²	309,103 SF	0.00 m²	0 SF	0.00 m²	0.00 SF	0.00 m²	0.00 SF	28,716.60 m²	309,103 SF
TOTAL	50,806.32 m²	546,875 SF	4,552.50 m²	49,003 SF	45,617.24 m²	491,020 SF	636.58 m²	6,852 SF	162.01 m²	1,743.85 SF	0.00 m²	0.00 SF	46,253.82 m²	497,872 SF

UNIT SUMMARY TOWER C

UNIT CATEGORY	MINIMUM (SF)	MAXIMUM (SF)	COUNT	%
1B	488 SF	844 SF	388	67%
2B	757 SF	1,020 SF	164	28%
3B	906 SF	1,349 SF	25	4%
TOTAL			577	

UNIT SUMMARY (PER LEVEL) TOWER C

LEVEL	UNIT CATEGORY	MINIMUM (SF)	MAXIMUM (SF)	COUNT
LEVEL 02	1B	500 SF	771 SF	12
LEVEL 02	2B	767 SF	932 SF	6
LEVEL 02	3B	1,145 SF	1,349 SF	2
				20
LEVEL 03	1B	527 SF	771 SF	13
LEVEL 03	2B	767 SF	908 SF	6
LEVEL 03	3B	1,346 SF	1,346 SF	1
				20
LEVEL 04	1B	527 SF	771 SF	16
LEVEL 04	2B	769 SF	908 SF	8
LEVEL 04	3B	1,346 SF	1,346 SF	1
				25
LEVEL 05	1B	529 SF	781 SF	15
LEVEL 05	2B	769 SF	908 SF	6
LEVEL 05	3B	1,349 SF	1,349 SF	1
				22
LEVEL 06	1B	527 SF	807 SF	14
LEVEL 06	2B	774 SF	824 SF	3
LEVEL 06	3B	1,037 SF	1,349 SF	4
				21
LEVEL 07	1B	529 SF	795 SF	13
LEVEL 07	2B	786 SF	935 SF	4
LEVEL 07	3B	1,015 SF	1,091 SF	3
				20
LEVEL 08	1B	529 SF	844 SF	12
LEVEL 08	2B	786 SF	905 SF	4
LEVEL 08	3B	1,171 SF	1,229 SF	2
				18
LEVEL 09	1B	529 SF	708 SF	10
LEVEL 09	2B	757 SF	1,020 SF	7
				17
LEVEL 10	1B	529 SF	774 SF	4
LEVEL 10	2B	879 SF	881 SF	2
LEVEL 10	3B	906 SF	1,171 SF	5
				11
LEVEL 11	1B	488 SF	676 SF	8
LEVEL 11	2B	779 SF	998 SF	3
LEVEL 11	3B	1,003 SF	1,053 SF	2
				13
LEVEL 12	1B	548 SF	832 SF	5
LEVEL 12	2B	886 SF	886 SF	1
LEVEL 12	3B	937 SF	1,179 SF	4
				10
LEVEL 13	1B	548 SF	815 SF	7
LEVEL 13	2B	882 SF	976 SF	3
				10
LEVEL 14 (TO L50)	1B	548 SF	815 SF	259
LEVEL 14 (TO L50)	2B	882 SF	976 SF	111
				370
TOTAL				577

OVERALL VEHICLE PARKING SCHEDULE

LEVEL	PARKING TYPE	COUNT
LEVEL P1	COMMERCIAL - STANDARD (5700 x 2700)	18
LEVEL P1	VISITOR - ACCESSIBLE A (5700 x 3650)	3
LEVEL P1	VISITOR - ACCESSIBLE B (5700 x 2700)	3
LEVEL P1	VISITOR - STANDARD (5700 x 2700)	139
LEVEL P1		163
LEVEL P2	VISITOR - ACCESSIBLE A (5700 x 3650)	3
LEVEL P2	VISITOR - ACCESSIBLE B (5700 x 2700)	3
LEVEL P2	VISITOR - STANDARD (5700 x 2700)	206
LEVEL P2		212
LEVEL P3	RESIDENTIAL - ACCESSIBLE A (5700 x 3650)	3
LEVEL P3	RESIDENTIAL - ACCESSIBLE B (5700 x 2700)	3
LEVEL P3	RESIDENTIAL- STANDARD (5700 x 2700)	210
LEVEL P3		216
LEVEL P4	RESIDENTIAL - ACCESSIBLE A (5700 x 3650)	3
LEVEL P4	RESIDENTIAL - ACCESSIBLE B (5700 x 2700)	3
LEVEL P4	RESIDENTIAL- STANDARD (5700 x 2700)	210
LEVEL P4		216
LEVEL P5	RESIDENTIAL - ACCESSIBLE A (5700 x 3650)	3
LEVEL P5	RESIDENTIAL - ACCESSIBLE B (5700 x 2700)	3
LEVEL P5	RESIDENTIAL- STANDARD (5700 x 2700)	210
LEVEL P5		216
LEVEL P6	RESIDENTIAL - ACCESSIBLE A (5700 x 3650)	1
LEVEL P6	RESIDENTIAL - ACCESSIBLE B (5700 x 2700)	1
LEVEL P6	RESIDENTIAL- STANDARD (5700 x 2700)	230
LEVEL P6		232
TOTAL PARKING		1255

RESIDENTIAL VEHICLE PARKING

LEVEL	TYPE	TOTAL
LEVEL P3	RESIDENTIAL - ACCESSIBLE A (5700 x 3650)	3
LEVEL P3	RESIDENTIAL - ACCESSIBLE B (5700 x 2700)	3
LEVEL P3	RESIDENTIAL- STANDARD (5700 x 2700)	210
LEVEL P3		216
LEVEL P4	RESIDENTIAL - ACCESSIBLE A (5700 x 3650)	3
LEVEL P4	RESIDENTIAL - ACCESSIBLE B (5700 x 2700)	3
LEVEL P4	RESIDENTIAL- STANDARD (5700 x 2700)	210
LEVEL P4		216
LEVEL P5	RESIDENTIAL - ACCESSIBLE A (5700 x 3650)	3
LEVEL P5	RESIDENTIAL - ACCESSIBLE B (5700 x 2700)	3
LEVEL P5	RESIDENTIAL- STANDARD (5700 x 2700)	210
LEVEL P5		216
LEVEL P6	RESIDENTIAL - ACCESSIBLE A (5700 x 3650)	1
LEVEL P6	RESIDENTIAL - ACCESSIBLE B (5700 x 2700)	1
LEVEL P6	RESIDENTIAL- STANDARD (5700 x 2700)	230
LEVEL P6		232
TOTAL PARKING		880

VISITOR VEHICLE PARKING

LEVEL	TYPE	TOTAL
LEVEL P1	VISITOR - ACCESSIBLE A (5700 x 3650)	3
LEVEL P1	VISITOR - ACCESSIBLE B (5700 x 2700)	3
LEVEL P1	VISITOR - STANDARD (5700 x 2700)	139
LEVEL P1		145
LEVEL P2	VISITOR - ACCESSIBLE A (5700 x 3650)	3
LEVEL P2	VISITOR - ACCESSIBLE B (5700 x 2700)	3
LEVEL P2	VISITOR - STANDARD (5700 x 2700)	206
LEVEL P2		212
TOTAL PARKING		357

COMMERCIAL OR NON-RES. PARKING

LEVEL	TYPE	TOTAL
LEVEL P1	COMMERCIAL - STANDARD (5700 x 2700)	18
LEVEL P1		18
TOTAL PARKING		18

BICYCLE PARKING SCHEDULE

LEVEL	TYPE	UNIT TOTAL	TOTAL COUNT
LEVEL 02	BICYCLE STACKER - LONG-TERM RESIDENTIAL (600x1800)	518	1036
LEVEL 02		518	1036
LEVEL P1	BICYCLE STACKER - LONG-TERM RESIDENTIAL (600x1800)	138	276
LEVEL P1	BICYCLE STACKER - SHORT-TERM VISITOR (600x1800)	219	438
LEVEL P1		357	714
TOTAL PARKING		875	1750

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PROJECT NORTH

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4078

BUILDING STATISTICS

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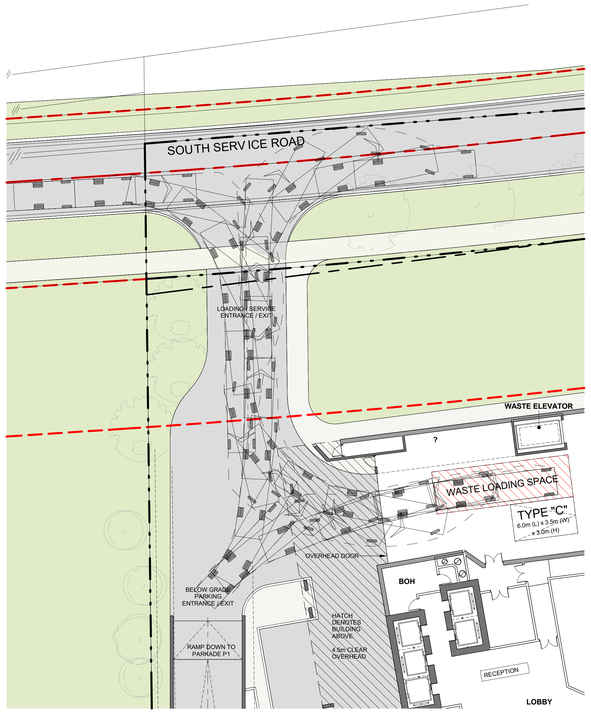

2 **MANOEUVERING DIAGRAM - HEAVY SINGLE UNIT TRUCK**
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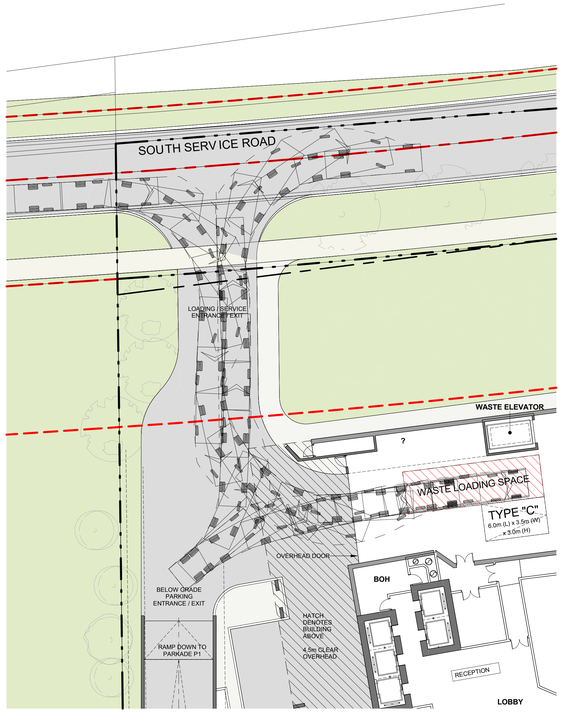

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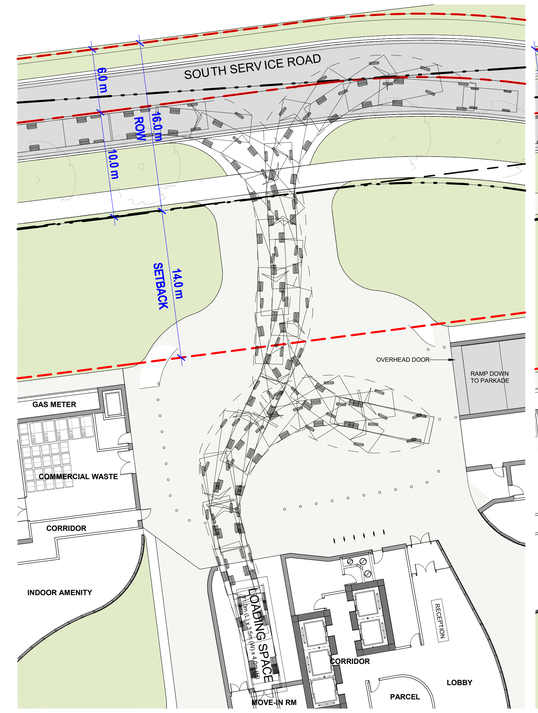

4 **MANOEUVERING DIAGRAM - BLDG B - SINGLE UNIT TRUCK**
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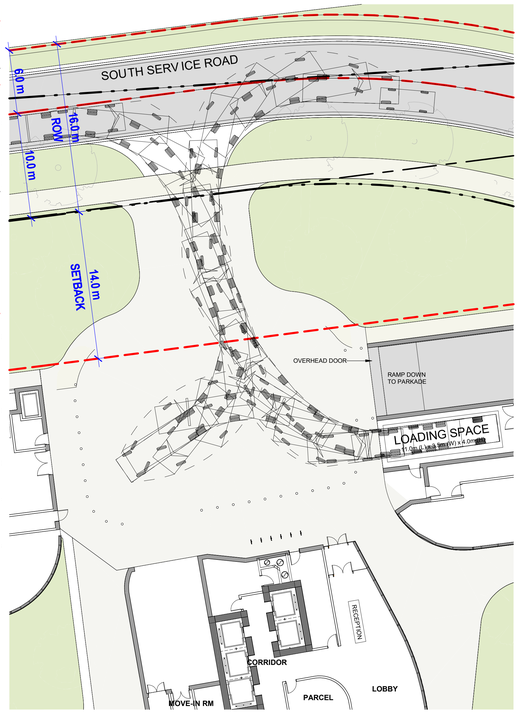

5 **MANOEUVERING DIAGRAM - BLDG C - SINGLE UNIT TRUCK**
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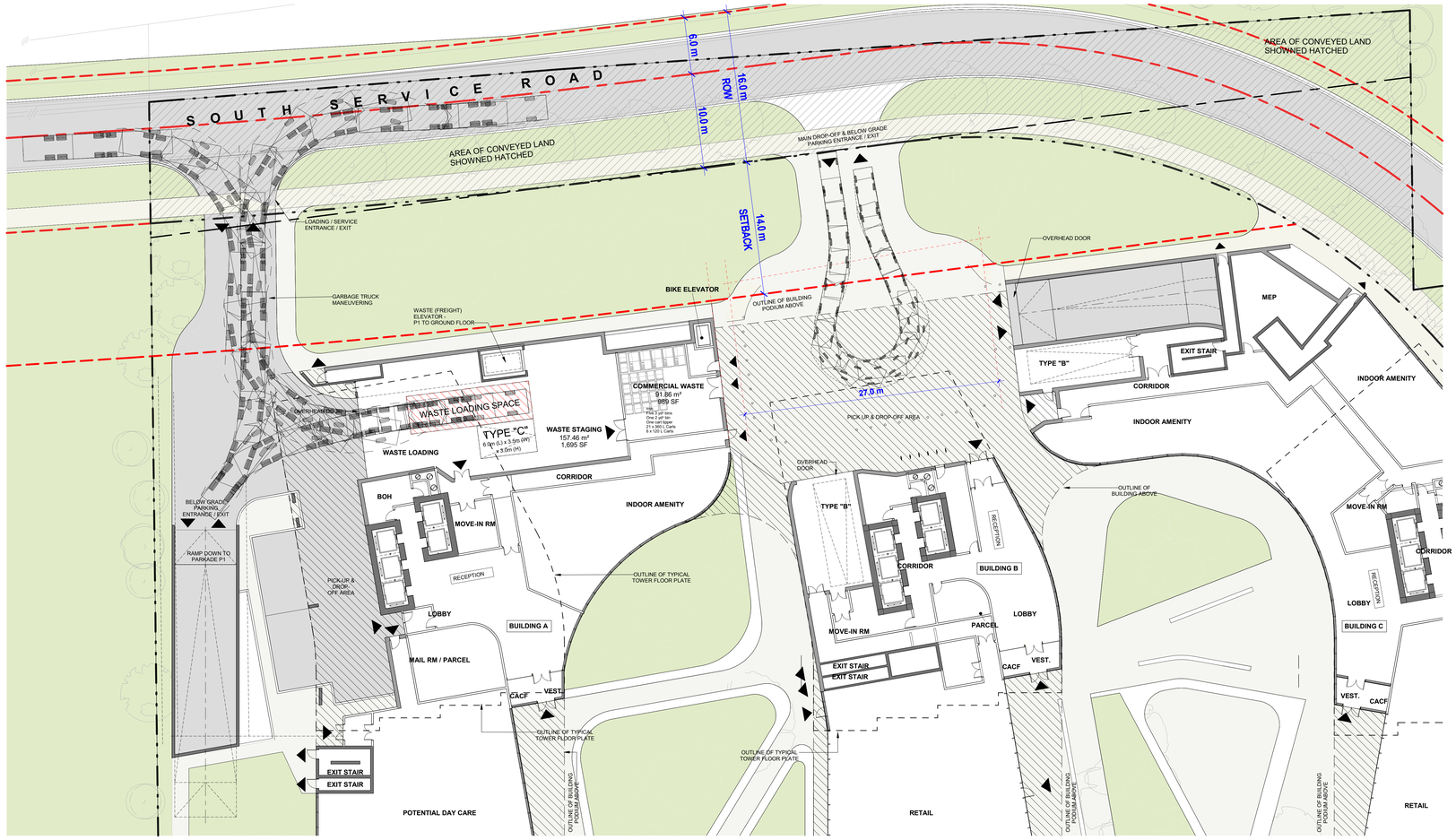

1 **MANOEUVERING DIAGRAM - GARBAGE TRUCK / PUDO (5 SPACES)**
1 : 200

WASTE MANAGEMENT NOTES:

1. SOLID WASTE MANAGEMENT WILL PROVIDE BULK LIFT COMPACTED GARBAGE, RECYCLING AND ORGANIC COLLECTION SERVICES FOR THE RESIDENTIAL COMPONENT OF THIS DEVELOPMENT.
2. A TRAINED ON-SITE STAFF MEMBER MUST BE AVAILABLE TO MANOEUVER BINS FOR THE COLLECTION DRIVER AND ALSO ACT AS A FLAGMAN WHEN THE TRUCK IS REVERSING. IN THE EVENT THE ON-SITE STAFF MEMBER IS UNAVAILABLE AT THE TIME THE RESIDENTIAL COLLECTION VEHICLE ARRIVES AT THE SITE, THE COLLECTION VEHICLE WILL LEAVE THE SITE AND NOT RETURN UNTIL THE NEXT SCHEDULED COLLECTION DAY.
3. ALL ACCESS DRIVEWAYS TO BE USED BY THE COLLECTION VEHICLE WILL BE LEVEL (±8%) AT LEAST 4.5m WIDE THROUGHOUT THE SITE AND 6m WIDE AT ENTRANCES AND EXITS, HAVING A MINIMUM 4.4m CLEARANCE UNDER OVERHEAD DOORS.
4. THE WASTE LOADING SPACE WILL BE CONSTRUCTED OF AT LEAST 200mm THICK (MIN.) REINFORCED CONCRETE, BE LEVEL (±2%), AND BE AT LEAST 4m WIDE X 13m LONG AND HAVE VERTICAL CLEARANCE OF 7.5m.
5. IN ALL AREAS WHERE A COLLECTION VEHICLE IS REQUIRED TO DRIVE ONTO OR OVER A SUPPORT STRUCTURE, THE STRUCTURE IS TO BE DESIGNED TO SAFELY SUPPORT A FULLY LOADED COLLECTION VEHICLE AT 35 METRIC TONNES.
6. SHARING OF WASTE LOADING SPACE FOR PURPOSES OF MOVING WILL BE SCHEDULED ACCORDING TO GARBAGE PICK UP TIMES. SHOULD THE WASTE LOADING SPACE BE NEEDED FOR USE BY COMMERCIAL SECTORS, THE COMMERCIAL COMPONENT MUST ARRANGE THIS USE SUCH THAT IT DOES NOT CONFLICT WITH ANY RESIDENTIAL USES.
7. THE STAGING PAD ABUTTING THE FRONT OF THE WASTE LOADING SPACE SHALL BE LEVEL (+/-2%), AND SHALL BE CONSTRUCTED OF A MINIMUM OF 200 mm REINFORCED CONCRETE.
8. THE WASTE LOADING SPACE WILL BE USED BY BOTH RESIDENTIAL AND NON RESIDENTIAL/RETAIL SECTORS. THE NON RESIDENTIAL RETAIL MANAGEMENT MUST ARRANGE FOR THEIR COLLECTION DAYS TO BE SCHEDULED ON DIFFERENT DAYS FROM THOSE OF THE RESIDENTIAL COLLECTION DAYS. FAILURE TO COMPLY WITH THIS ARRANGEMENT WILL RESULT IN THE CANCELLATION OF RESIDENTIAL COLLECTION AT THIS SITE.
9. BEFORE SOLID WASTE COLLECTION SERVICES ARE TO BEGIN, THE TOWN OF OAKVILLE & REGION OF HALTON WILL NEED TO BE PROVIDED WITH A LETTER CERTIFIED BY A PROFESSIONAL ENGINEER THAT IN ALL CASES WHERE A COLLECTION VEHICLE IS REQUIRED TO DRIVE ONTO OR OVER A SUPPORTED STRUCTURE, THAT THE STRUCTURE CAN SAFELY SUPPORT A FULLY LOADED COLLECTION VEHICLE (35 METRIC TONNES) AND CONFORM TO THE FOLLOWING.

   i) DESIGN CODE - ONTARIO BUILDING CODE
   ii) DESIGN LOAD - CITY BULK LIFT VEHICLE IN ADDITION TO BUILDING CODE REQUIREMENTS
   iii) IMPACT FACTOR - 5% FOR MAXIMUM VEHICULAR SPEEDS TO 15KM/H AND 30% FOR HIGHER SPEEDS
10. DOUBLE DOORS (MINIMUM 2.2m WIDTH) TO BE PROVIDED TO ACCESS EACH WASTE STORAGE (AND BULKY WASTE STORAGE) ROOM. THESE DOORS SHALL OPEN OUTWARDS TO MAXIMIZE STORAGE SPACE.
11. WASTE STORAGE ROOMS TO HAVE A HOSE BIB AND FLOOR DRAIN FOR WASHING AND CLEANING OF THE ROOM AND WASTE CONTAINERS.
12. THE AIR EXCHANGE RATE FOR WASTE STORAGE ROOMS TO BE A MINIMUM OF ONE-CUBIC FOOT PER MINUTE PER SQUARE FOOT OF FLOOR SPACE (1 CFM/FT^2).
13. THIS DRAWING TO BE READ IN CONJUNCTION WITH R.J. BURNSIDE & ASSOCIATES LIMITED, SOLID WASTE MANAGEMENT PLAN.
14. WASTE BINS AND CARTS SHOWN ON THESE DRAWINGS ARE REPRESENTATIONAL ONLY.

TABLE 1: WASTE CONTAINER OPTIONS (Preferred in **BOLD**)

WASTE STREAM	CONTAINER TYPES	AREA (SQM)	NUMBER OF RESIDENTIAL UNITS SERVICED PER BIN
GARBAGE (COMPACTED)	**3 CUBIC YARD FRONT-LIFT BIN**	2.27	**54**
	4 CUBIC YARD FRONT-LIFT BIN	2.78	72
RECYCLING (UNCOMPACTED)	3 CUBIC YARD FRONT-LIFT BIN	2.27	42
	4 CUBIC YARD FRONT-LIFT BIN	2.78	56
	6 CUBIC YARD FRONT-LIFT BIN	3.41	**84**
ORGANICS	**360 L SEMI-AUTOMATED CART**	0.80	**25**

TABLE 2: REQUIRED RESIDENTIAL WASTE STORAGE ROOM AREA

	NUMBER OF RESIDENTIAL UNITS	APPROXIMATE WASTE STORAGE ROOM SPATIAL REQUIREMENT (SQM) **
BUILDING A	*513*	***143***
BUILDING B	*660*	***184***
BUILDING C	*577*	***161***
TOTAL	***1750***	***488***

** EXCLUDES 10 SQM REQUIRED FOR BULKY WASTE STORAGE

TABLE 3: WASTE CONTAINER COUNTS

NUMBER OF RESIDENTIAL UNITS		*513*	*660*	*577*	***1750***
WASTE STREAM	**CONTAINER**	**BUILDING A # BINS**	**BUILDING B # BINS**	**BUILDING C # BINS**	**BINS @ LOAD. AREA**
GARBAGE (COMPACTED)	3 YARD³ FRONT-LIFT	9.5 ***10***	12.22 ***13***	10.89 ***11***	32.61 33 **34**
RECYCLING	6 YARD³ YARD FRONT-LIFT	6.11 **7**	7.86 ***8***	6.61 **7**	19.83 *21* **22**
ORGANICS	360 L SEMI-AUTOMATED CART	20.52 **21**	26.4 **27**	23.08 **24**	70 70 **72**

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WASTE MANAGEMENT & LOADING PLAN

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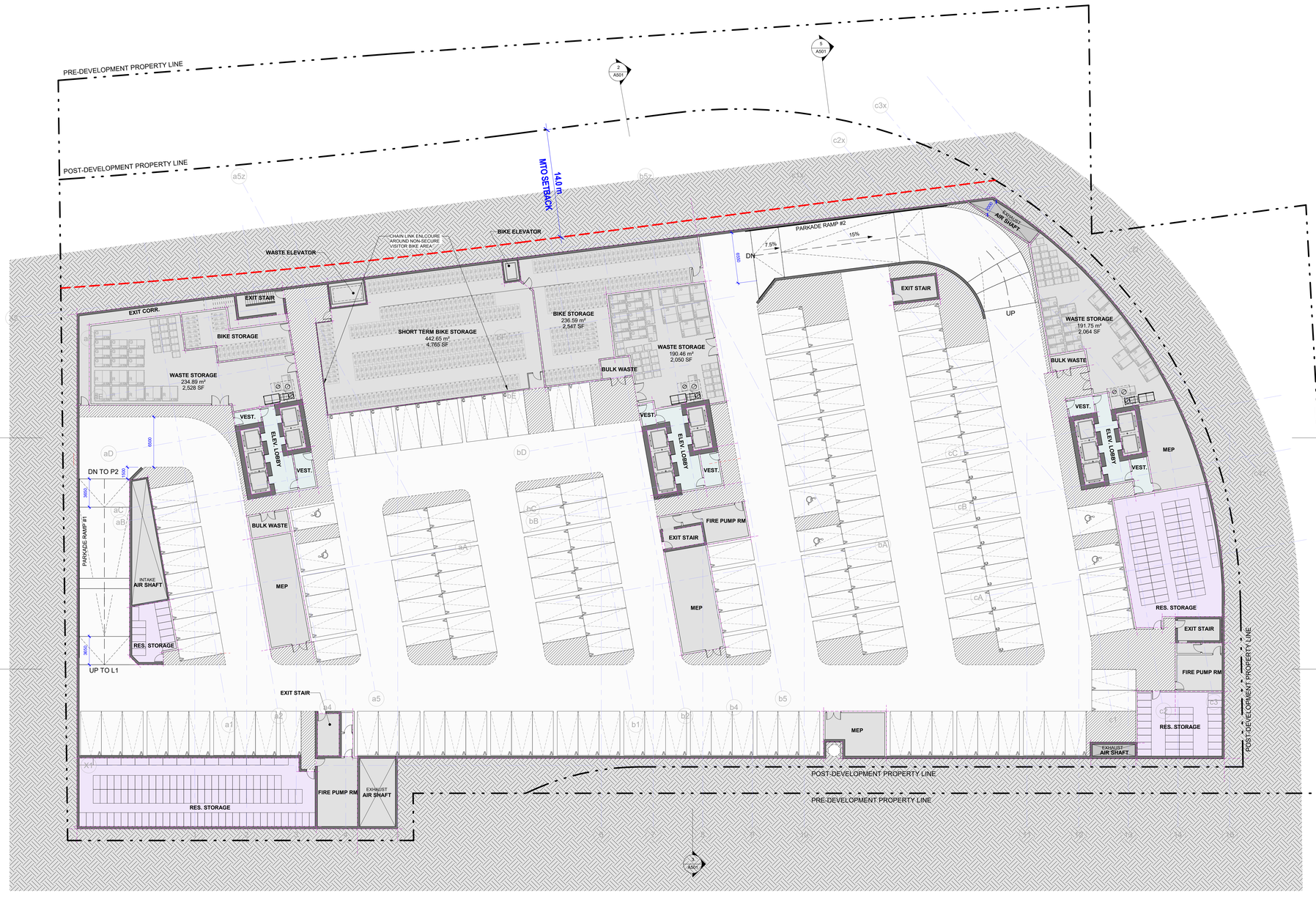
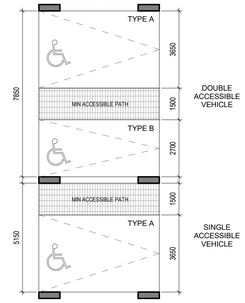
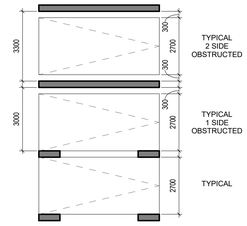


ACCESSIBLE PARKING STALL



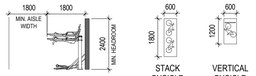
TYPICAL PARKING STALL



VEHICULAR PARKING SUMMARY PER LEVEL	
	RESIDENTIAL
18	NON-RESIDENTIAL*
145	VISITOR
163	TOTAL

POTENTIAL RETAIL AND/OR POTENTIAL DAYCARE, TBC

BICYCLE PARKING REQUIREMENT



BIKE STACKER SECTION DETAIL

STACK BYCICLE PARKING (600 X 1800)

VERTICAL BYCICLE PARKING (600 X 1800)

BICYCLE PARKING SUMMARY PER LEVEL	
276	RESIDENTIAL
	NON-RESIDENTIAL*
438	VISITOR
714	TOTAL

POTENTIAL RETAIL AND/OR POTENTIAL DAYCARE, TBC

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LEVEL P1 PLAN

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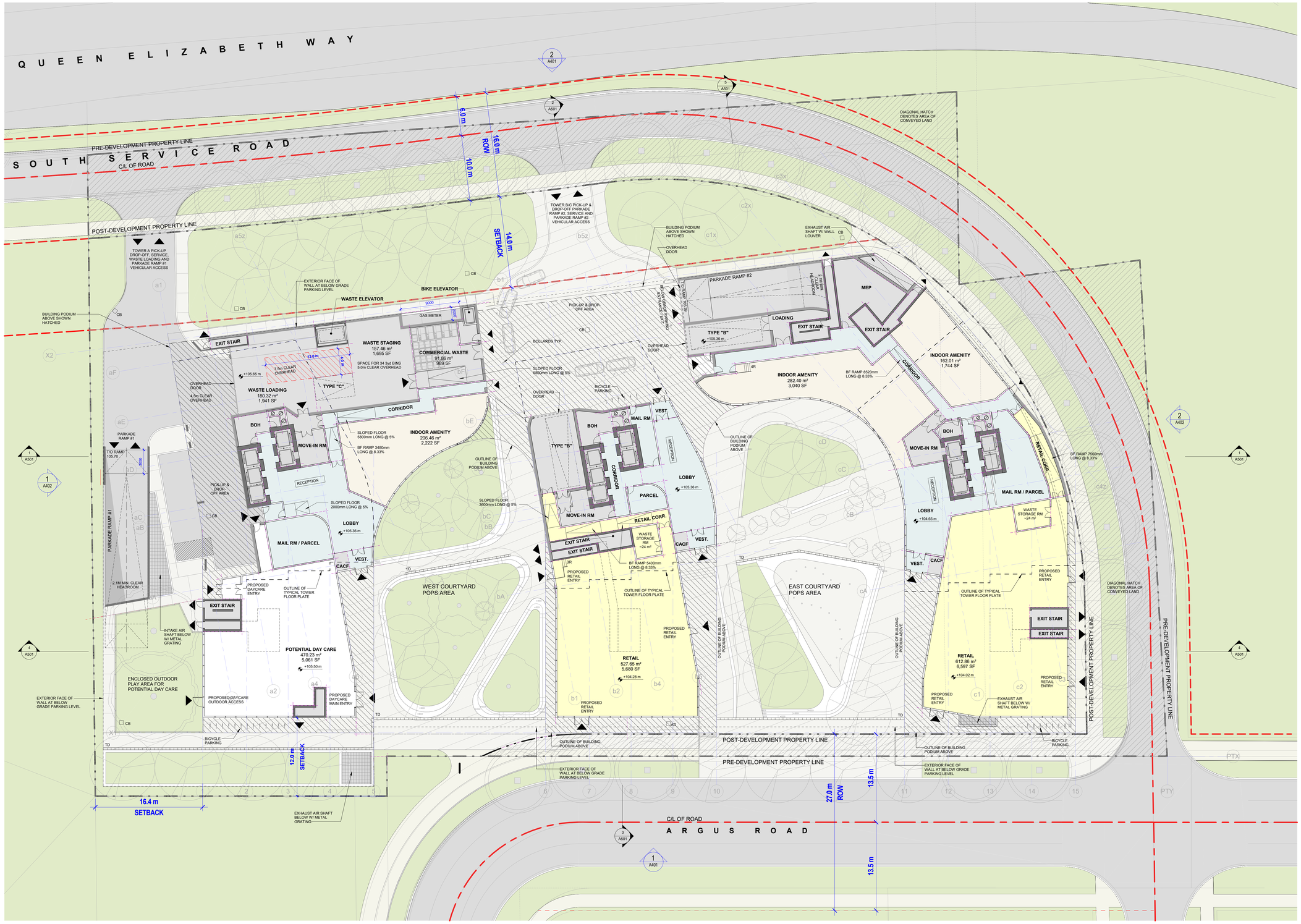

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T. 416.598.0554
www.teeplearch.com

NO.	DATE:	ISSUED FOR:
1	2023-03-20	ISSUED FOR OPA/ZBA

ARCHITECT
Teeple Architects Inc.
5 Camden Street, Toronto, ON, Canada, M5V 1V2
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STRUCTURAL
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MECHANICAL
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ELECTRICAL
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-
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LANDSCAPE
Public City Architecture Inc.
11-600 Clifton Street, Winnipeg, MN, R3G 2X6
T. 204.475.9323

CIVIL
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TRAFFIC
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SOLID WASTE MANAGEMENT
R.J. Burnside & Asscoiates Limited
1465 Pickering Parkway, Pickering, ON, L1V 7G7
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PLANNING
Bousfields Inc.
3 Church Street, Toronto, ON, M5E 1M2
T. 416.947.9744

CLIENT
Distrikt Developments
1-90 Wingold Avenue, Toronto, ON, Canada M6B 1P5
T. 416.628.8038

DISTRIKT

OAKVILLE

590 Argus Road, Oakville, ON, Canada

ONTARIO ASSOCIATION OF ARCHITECTS
STEPHEN M. TEEPLE
LICENCE
4078

SEAL

LEVEL 1 PLAN

Author	Checker		
DRAWN BY	CHECKED BY		
22-106	1 : 200	ARCH E	2023-03-20
PROJ NO	SCALE	FORMAT	PLOT DATE

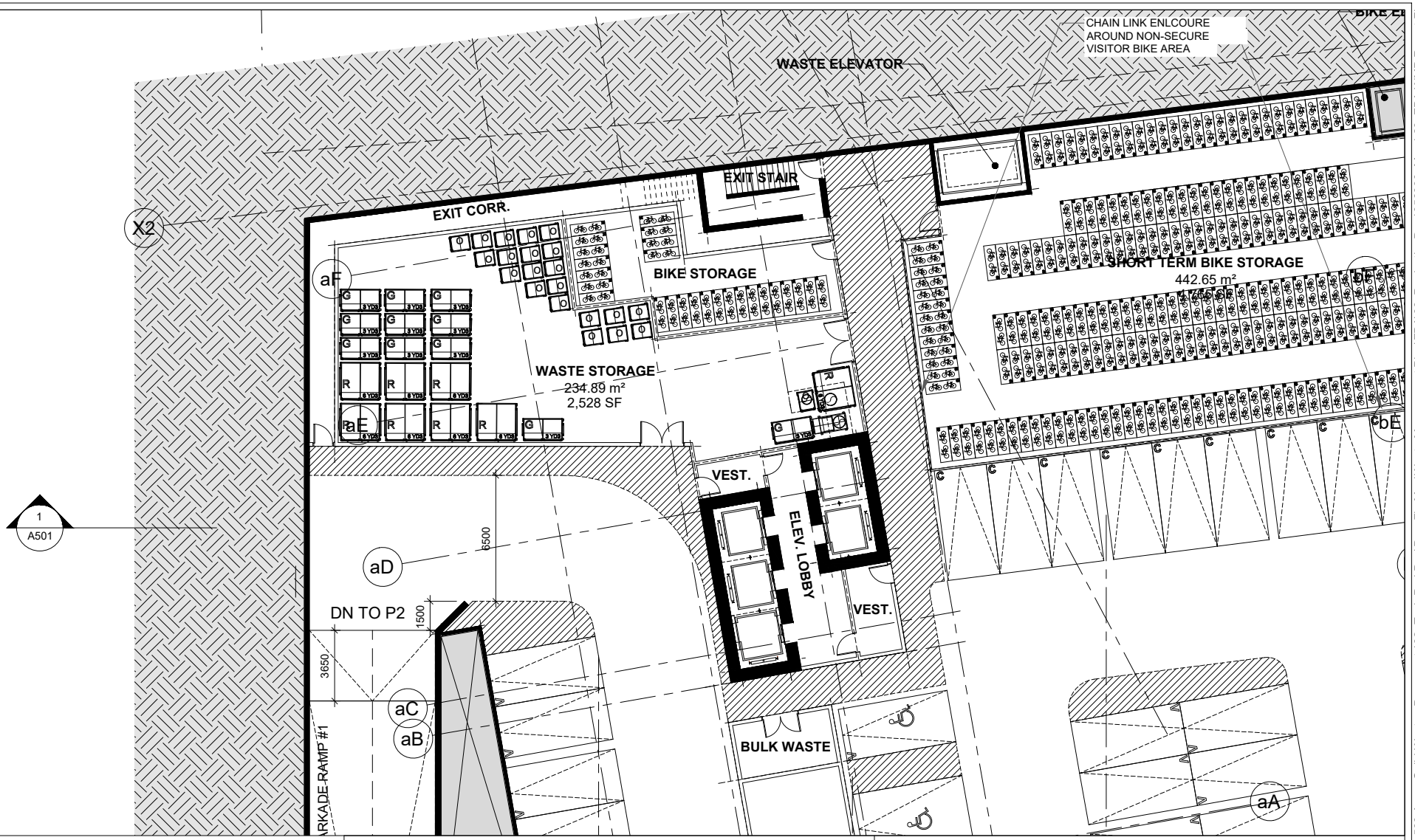
A204

BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix B

Waste Room and Loading Area Plans



NOTES:

- FIGURES WERE MADE BASED ON THE 'ISSUED FOR OPA/ZBA' DRAWING SET, DATED MARCH 20, 2023 DRAWING SET BY TEEPLE ARCHITECTS INC.
- BIN AND CARTS SHOWN ON THIS DRAWING ARE INTENDED TO BE REPRESENTATIONAL.
- FIGURE TO BE READ IN CONJUNCTION WITH TEEPLE ARCHITECTS INC. 'WASTE MANAGEMENT & LOADING PLAN' (FIGURE NO. A112).

BURNSIDE

Figure Title

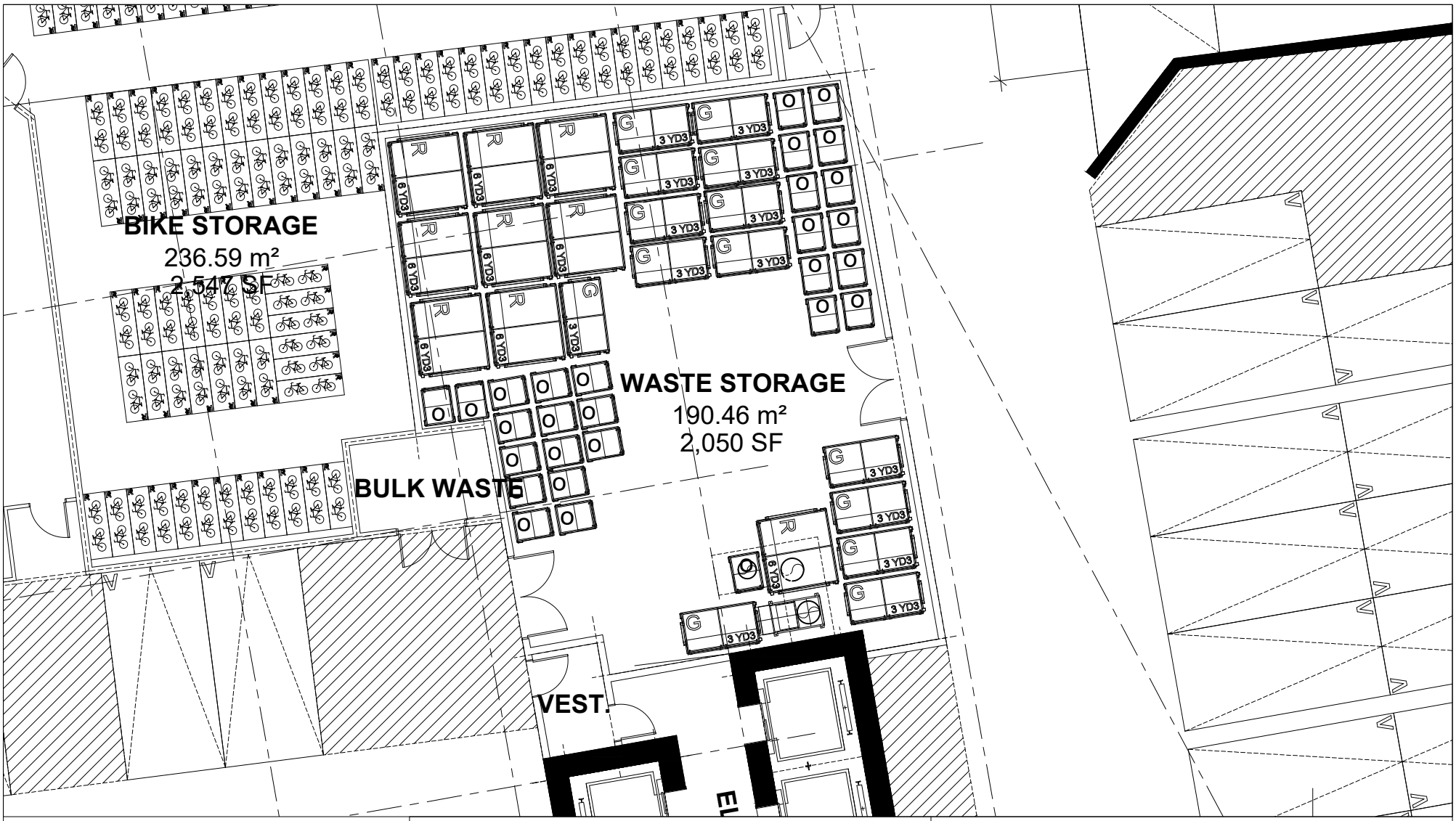
RESIDENTIAL WASTE STORAGE ROOM BUILDING A

590 ARGUS ROAD MIXED-USE DEVELOPMENT

Client

590 ARGUS LP

Drawn	Checked	Date	Figure No.
CJ	JH	FEBRUARY 2023	1
Scale		Project No.	
N.T.S.		300056000.0000	



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BURNSIDE

Client

590 ARGUS LP

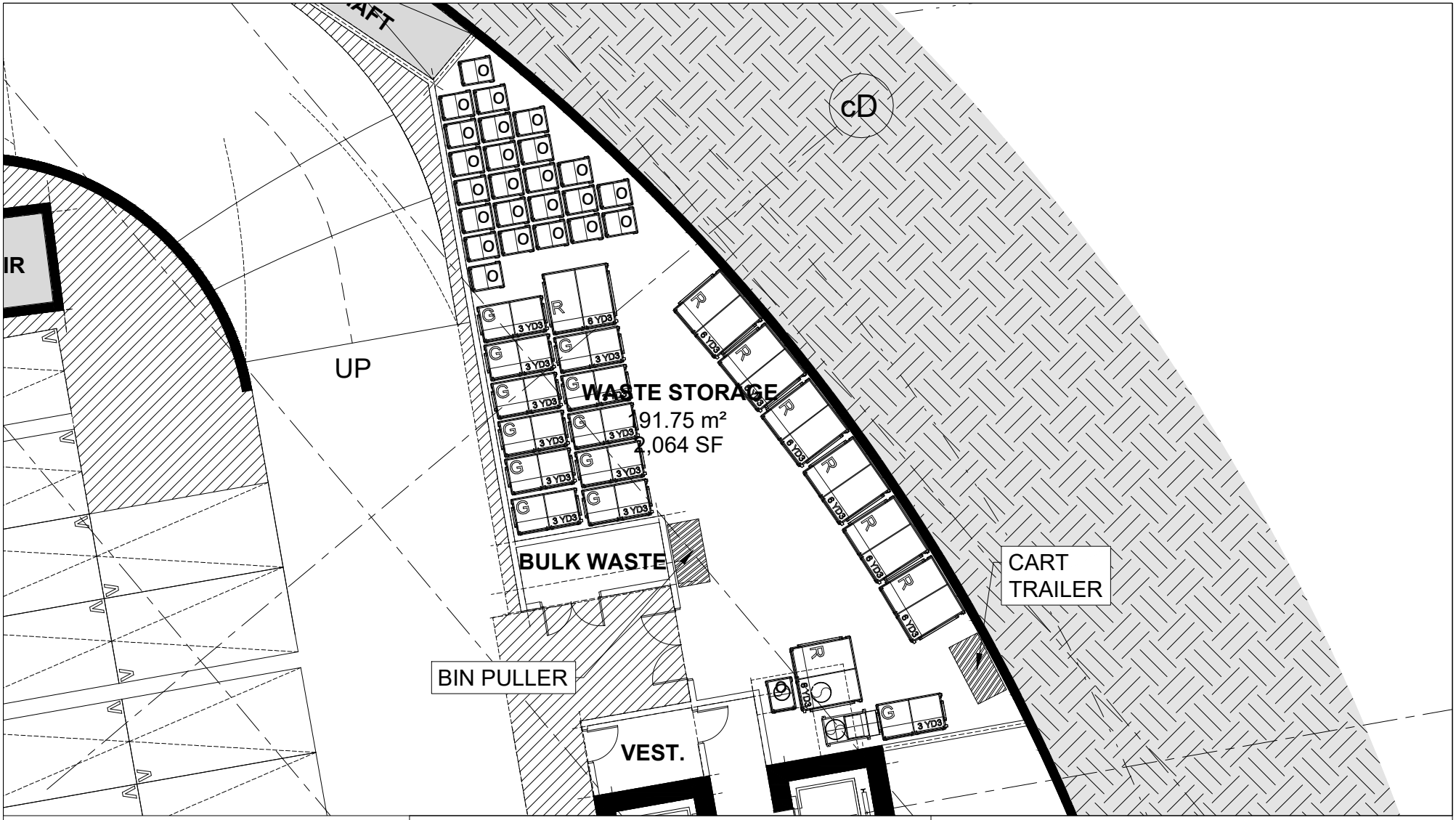
Figure Title

RESIDENTIAL WASTE STORAGE ROOM BUILDING B

590 ARGUS ROAD MIXED-USE DEVELOPMENT

Drawn	Checked	Date	Figure No.
CJ	JH	JAN 2023	**2**
Scale		Project No.	
N.T.S.		300056000.0000	

File: C:\Users\CJordan\RJB\056000 Distrikt - 590 Argus Solid Waste - Documents\02_Tech Proj Doc\Dwg Fig Map\Waste Management Plan\ZBA\03_Production\Dwg\056000_March20_ZBA WMP Report Figures_recover.dw



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- FIGURE TO BE READ IN CONJUNCTION WITH TEEPLE ARCHITECTS INC. 'WASTE MANAGEMENT & LOADING PLAN' (FIGURE NO. A112).

BURNSIDE

Figure Title

RESIDENTIAL WASTE STORAGE ROOM BUILDING C

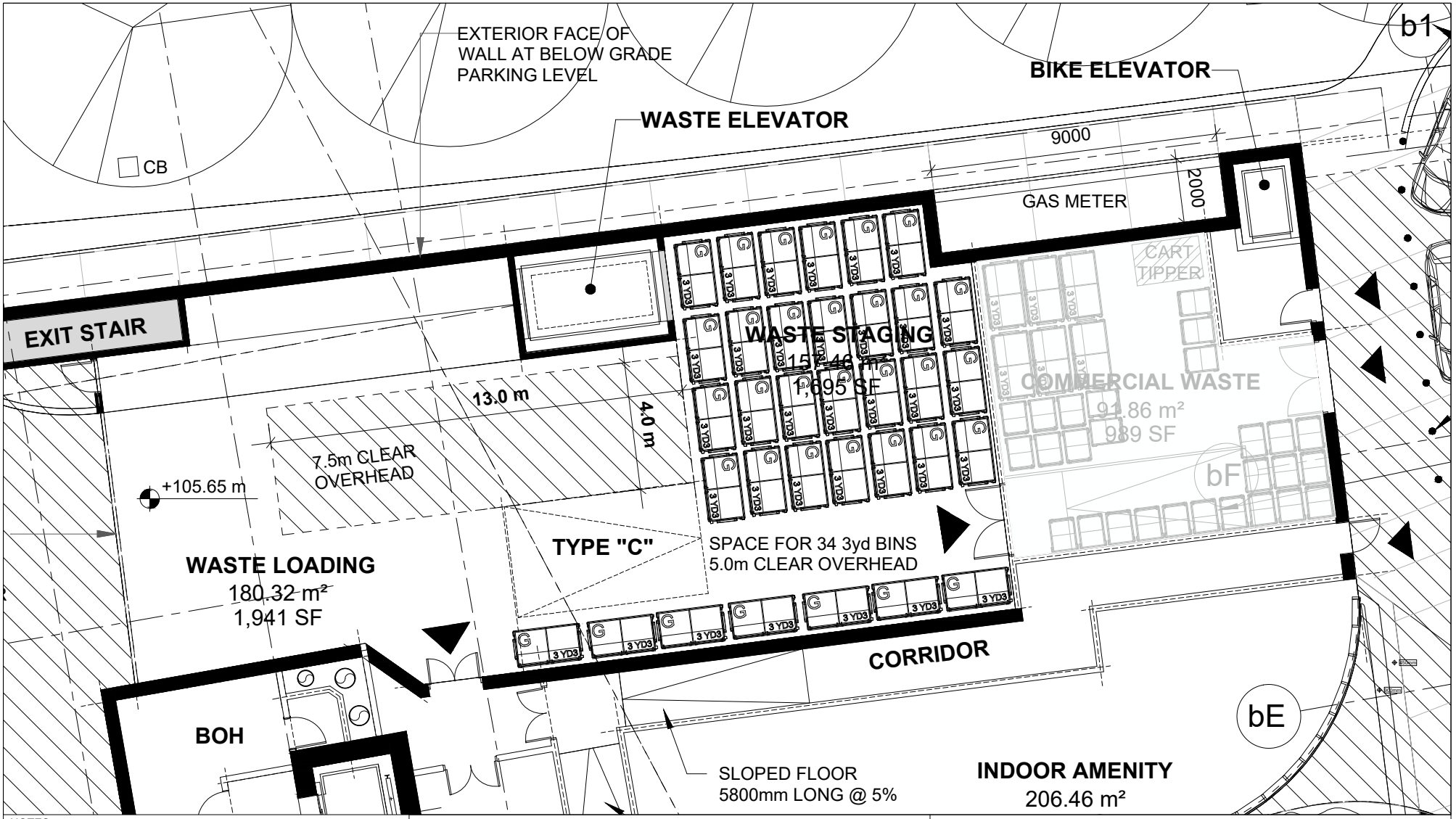
590 ARGUS ROAD MIXED-USE DEVELOPMENT

Client

590 ARGUS LP

Drawn	Checked	Date	Figure No.
CJ	JH	FEBRUARY 2023	**3**
Scale		Project No.	
N.T.S.		300056000.0000	

File: C:\Users\CJordan\RJB\056000 Distrikt - 590 Argus Solid Waste - Documents\02_Tech Proj Doc\Dwg Fig Map\Waste Management Plan\ZBA\03_Production\Dwg\056000_March20_ZBA WMP Report Figures_recover.dw



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BURNSIDE

Figure Title

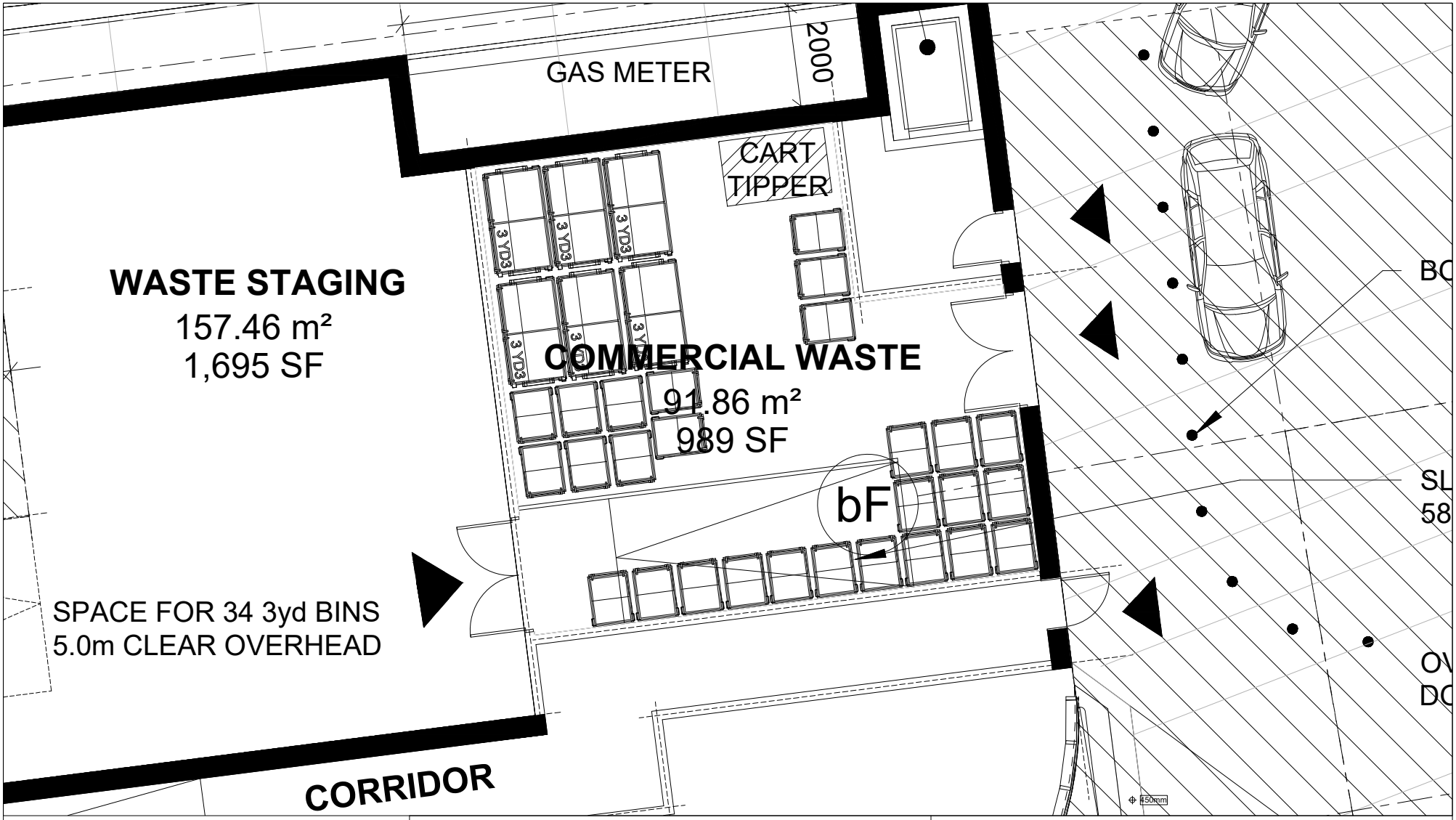
LOADING & STAGING AREA

590 ARGUS ROAD MIXED-USE DEVELOPMENT

Client

590 ARGUS LP

Drawn	Checked	Date	Figure No.
CJ	JH	FEBRUARY 2023	4
Scale		Project No.	
N.T.S.		300056000.0000	



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Client

590 ARGUS LP

Figure Title

COMMERCIAL WASTE STORAGE ROOM

590 ARGUS ROAD MIXED-USE DEVELOPMENT

Drawn	Checked	Date	Figure No.
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Scale		Project No.	
N.T.S.		300056000.0000	

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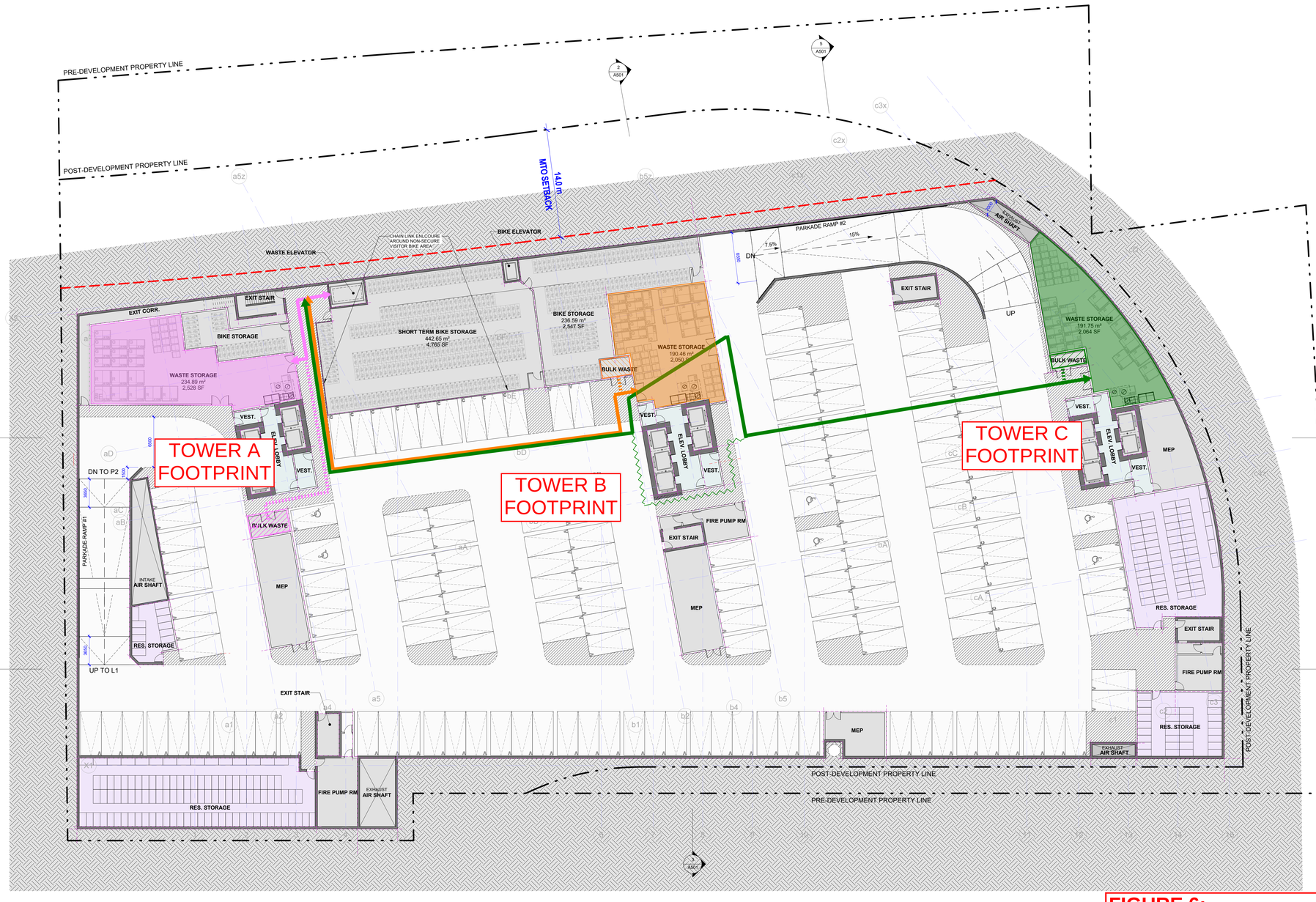
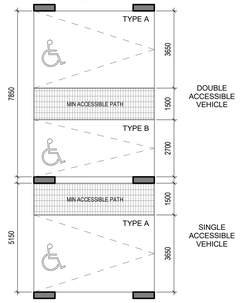


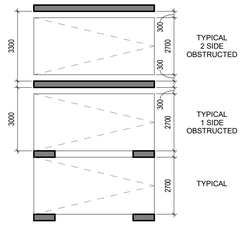
FIGURE 6:
BURNSIDE'S BIN MOVEMENT DIAGRAM (TO COLLECTION POINT):

- TOWER A BIN PATH
- TOWER B BIN PATH
- TOWER C BIN PATH
- BULKY WASTE PATH
- ALTERNATE BIN PATH

ACCESSIBLE PARKING STALL



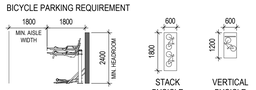
TYPICAL PARKING STALL



VEHICULAR PARKING SUMMARY PER LEVEL	
	RESIDENTIAL
18	NON-RESIDENTIAL*
145	VISITOR
163	TOTAL

POTENTIAL RETAIL AND/OR POTENTIAL DAYCARE, TBC

BICYCLE PARKING REQUIREMENT



BIKE STACKER SECTION DETAIL

STACK BYCICLE PARKING (600 X 1800)

VERTICAL BYCICLE PARKING (600 X 1800)

BICYCLE PARKING SUMMARY PER LEVEL	
276	RESIDENTIAL
	NON-RESIDENTIAL*
438	VISITOR
714	TOTAL

POTENTIAL RETAIL AND/OR POTENTIAL DAYCARE, TBC

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590 Argus Road, Oakville, ON, Canada

ONTARIO ASSOCIATION OF ARCHITECTS
STEPHEN R. TEEPLE
LICENCE
4078

SEAL

LEVEL P1 PLAN

Author	Checker		
DRAWN BY	CHECKED BY		
22-106	As indicated	ARCH E	00/03/23
PROJ NO	SCALE	FORMAT	PLOT DATE

A203

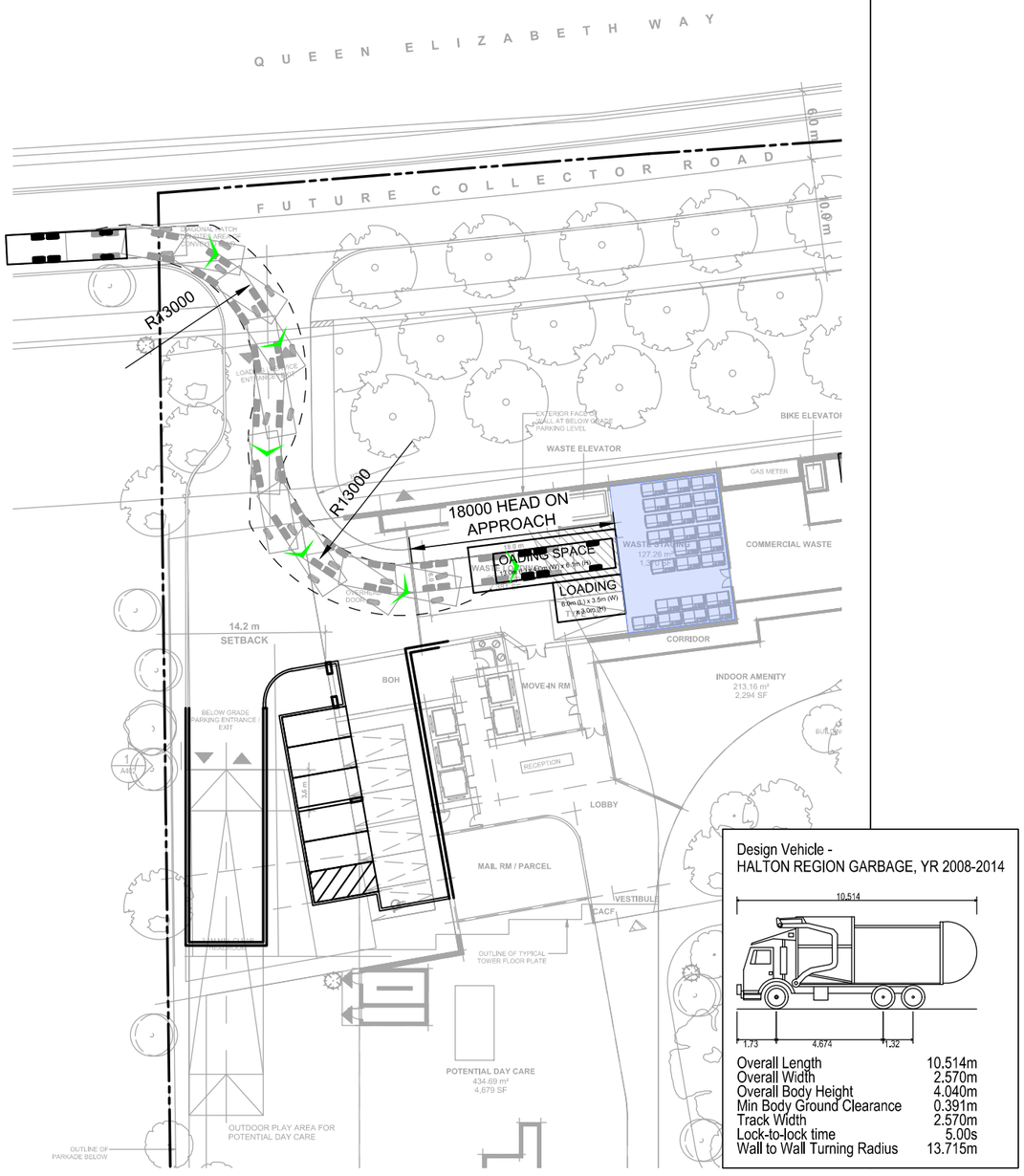
BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix C

Waste Collection Vehicle Turning Path Analysis

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

Date Plotted: February 22, 2023 Filename: J:\8078-05\ba\site Plan Review\6. Feb 17-2023\ba-590 Argus-SPR-Feb17-2023.dwg

BA Group

590 ARGUS

VEHICLE MANOEUVRING DIAGRAM
BUILDING A
HALTON REGION GARBAGE TRUCK

Project:	590 ARGUS
Project No.	8078-05
Date:	February 22, 2023
Revised:	–

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

Drawing No. VMD-01

R.J. Burnside & Associates Limited