



February 23, 2024

MEMO TO: Marc Mitanis, Planner II

COPY TO: Vlad Gaiu, Manager of Energy and Waste

FROM: Leila Bal, Waste Management Coordinator

SUBJECT: 101 Bloomington Road & OPA-22-0008 and D02-19020

Please accept these comments in response to the February 1, 2024 circulation for the subject property listed above.

The proposed development must follow the City's Waste Management Design and Collection Standards for Development, located in Division J of the [City's Standards and Specifications Manual](#) and a waste management plan must be submitted to the City that includes/indicates the following:

ACCESS ROUTES

To address at time of ZBLA Application:

- **Travel path of the waste collection vehicle throughout the site demonstrating continuous forward motion.** A front-end vehicle must be shown entering the site, accessing the loading space, turning around and exiting the site as well as a rear-packer reversing into the loading space and exiting the site. Drawings must indicate the vehicle dimensions used and should align with the table below. Note: To maintain safe and efficient waste collection, all access routes must be designed to allow a waste collection vehicle to enter the site, collect the waste and exit the site solely in a forward motion. In cases where the size of a site does not allow for continuous forward motion throughout the site, it is acceptable to use the *Typical Cul-de-sac* or *Private Road - "T" Turnaround Minimum Standard* design as detailed in Richmond Hill's Standards and Specifications Manual.

Waste Collection Vehicle Dimensions

Dimension	Front-End	Rear-Packer	Top-Loader
Overall Width without mirrors	2.59m	2.56m	2.54m
Overall Width with mirrors	3.59m	3.56m	3.54m
Front and Rear Track Width	2.49m	2.49m	2.49m
Overall Length (Arms Up/No Arms -Travelling)	9.39m	10.71m	10.82m
Overall Length (Arms Down /Collecting)	11.4m	N/A	N/A
Overall Height (Travelling)	4.05m	3.35m	3.35m
Overall Height (Collecting)	6.33m	N/A	4.86m

- Concern with the waste collection vehicle reversing into the entrance/exit to the parking garage to turn around particularly due to potential conflict with vehicles exiting the parking garage. This is a significant safety concern as the truck driver reversing does not have full visibility behind them. To reduce the likelihood of a conflict from occurring, the waste collection vehicle must not reverse into the entrance or exit of the underground parking garage.
- The waste collection vehicle does not require to make more than a 3-point turn, or reverse more than 21m.
- Access routes, including points of ingress and egress, designed for two-way traffic have a minimum width of 6m and a minimum inside turning radius of 9m.
- Access routes are to maintain a minimum vertical clearance of 4.6m.

Deferred to Site Plan Application:

- Proper signage.
- Pavement markings, warning lights and mirrors.
- Access routes are to have a grade of no more than 5% on private property.
- Access route on a driveway ramp to connect with an above or below grade structure shall have a maximum ramp grade of 8%.
- Pavement structure of a private road shall be designed and constructed as per the specifications for "Light Industrial, Commercial, Apartment Residential/Condominium" found in Section C1.5 of the City of Richmond Hill's Standards and Specifications Manual or a City approved alternative.
- All supported structures travelled on by waste collection vehicles will be designed to support at least 35,000kgs with a point load of at least 6,000kgs - a letter from an engineer will be required to verify this requirement has been met.

STACKED TOWNHOUSES – WASTE COLLECTION

To address at time of ZBLA Application:

- Each unit must be **within 50m walking distance** of a waste storage room. Alternatively, a three waste chute system may be used, similarly each unit must

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be within 50m walking distance to the chutes. Demonstrate that this has been met.

- The number of Dwelling Units each waste storage room will service.
- Resident accessibility to waste storage room(s).
- Size of each waste storage room in square metres. All waste containers in waste storage room(s) including size of waste containers.
- Minimum internal vertical clearance of all waste storage rooms to be 2.5m.
- Bulky waste storage room to be located preferably at ground level, if the bulky waste storage room is proposed underground, travel path for residents to drop off material and for material to be brought to staging pad must be demonstrated.
- For 42 townhouse units the minimum size of the staging pad must be 15m², 12m² is not sufficient
- One loading space with minimum length of 13m, width of 4m and with a vertical clearance of at least 6.5m.

Deferred to Site Plan Application:

- Each waste storage room must have sufficient space to display educational material.
- Planned movement of front-end containers from the waste storage room to the staging area/loading space for collection.
- Maximum grade of loading space and staging pad no more than 2%.
- Construction details of loading space and staging area.
- Hose bib and floor drain in waste storage room(s).
- Waste storage room(s) as being climate controlled.

DRAFT ZBL AMENDMENT

To be addressed at time of ZBLA Application:

- Please update to include loading space requirements. One loading space is required that has a minimum width of 4 metres, minimum length of 13 metres and minimum overhead clearance of at least 6.5m.

Please contact me with any further questions.

Thank you,

Leila Bal
Waste Management Coordinator
Leila.Bal@richmondhill.ca