



November 24, 2022

MEMO TO: Kaitlyn Graham, Senior Planner – Site Plans

COPY TO: Vlad Gaiu, Manager of Energy and Waste

FROM: Elizabeth Stec, Waste Management Coordinator

SUBJECT: 10684 -10692 Yonge Street - D01-20004 & D02-20010

Please accept these advisory comments in response to the October 24, 2022, circulation for the subject property listed above.

The 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 the points highlighted in **yellow** are specific areas of concern. As per, and in addition to previous comments and as acknowledged in the November 18, 2022 letter from Hesham Mohamed (RE: VE Rough-ins & Waste Management Comments), a waste management plan must be submitted to the City during Site Plan Application that include/indicate the following:

ACCESS ROUTES

- Travel path of the waste collection vehicle throughout the site demonstrating continuous forward motion. 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. **Please update the AutoTURN analysis to a truck with a track width of 2.49m.**
- Proper signage
- Pavement markings, warning lights and mirrors
- The waste collection vehicle does not require to make more than a 3-point turn, or reverse more than 16.5m
- **Access routes, including points of ingress and egress, that are designed for fire routes and/or two-way traffic have a minimum width of 6m and a minimum inside turning radius of 9m (turning radius for the truck egress from the of the loading space must be updated – doesn't appear to be 9m turning radius for the curb to the west)**
- Access routes are to maintain a minimum vertical clearance of 4.4m
- 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 is required to verify this requirement has been met.

WASTE STORAGE, SEPARATION AND COLLECTION

- **Three separate chutes (garbage, recyclable materials and organic materials) (must be provided)**
- Termination of three separate chutes in waste room with waste containers under each chute and a garbage compactor under one chute
- Lock out and washing systems for all waste chutes
- Chute rooms on each floor
- Waste separation method for dwelling units on the same floor as the waste room
- Each chute room is provided with sufficient space for displaying educational material
- Internal waste storage room(s) with area in m²
- Garbage compactor and all waste containers in waste storage room(s) including size of waste containers
- Measures to ensure resident access to garbage compactor is restricted
- Internal vertical clearance of all waste storage rooms as 2.5m
- Hose bib and floor drain
- Waste storage room as being climate controlled
- **Waste drop-off room adjacent to the storage room (note that this is missing - must be provided at a minimum of 11m²)**
- Size of waste drop-off room in m²
- Route of waste containers from waste storage room(s) to waste collection/set out areas
- At least one loading space with minimum length of 13m, width of 4m and with a vertical clearance of at least **6.5m (please note the correction – roll up doors, HVAC, etc. must not interfere with the required clearance above the entirety of the loading space)**
- Size of the staging pad in m²
- Planned movement of front-end containers to and from the staging area and loading space during collection
- Grade of loading space and staging pad to not exceed 2%
- Construction details of loading space and staging area

Please do not hesitate to contact me for any further questions.

Thank you,

Elizabeth Stec

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