

## WASTE MANAGEMENT DIVISION

### Waste Collection Design Standards Manual

Endorsed by Regional Council  
(Resolution 2007-799)

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# 1. INTRODUCTION

## 1.1 General Information

The role of the Region of Peel Waste Management Division within the land development process is to provide comments on development applications to the Area Municipalities pertaining to the collection of garbage, recyclable materials, household organics and yard waste. The Region of Peel provides comments on all development and redevelopment applications, including site plan applications, rezoning applications, condominium and subdivision development applications. Proposed changes to waste collection points, method of collection, building additions or expansions and changes of building usage are also reviewed by the Region's Waste Management Division.

The Waste Collection Design Standards Manual sets out the Region's requirements for the collection of waste for each of the various categories of development and land uses. These requirements must be met before the Region will provide waste collection to the proposed development. In addition to the requirements contained herein, the Region's Waste Collection By-law, Site Plan Control process, and any other applicable By-laws or regulations, must be fully adhered to. For clarification of terms used in this document, please refer to Section 1.2 Definitions.

Please be aware that this document is a guideline only and is applied to land development applications on an individual basis. The Region will review all development and redevelopment applications and reserves the right to designate the type of collection to be provided, including access and waste storage requirements.

Failure to comply with any of the guidelines within this document may result in Regional waste collection services being withheld or suspended.

## 1.2 Definitions

**The following definitions apply to the Waste Collection Design Standards Manual.**

**“Area Municipalit[y][ies]”** means the municipality of the City of Mississauga, and or the City of Brampton, and or the Town of Caledon.

**“Bulky Item”** means a household item other than a White Good, which is larger than 1 metre (39 inches) in any one dimension or weighs in excess of 20 kilograms (44 pounds), including furniture of whatever size and weight as may be determined by the Commissioner. Includes, but is not limited to the following items: barbecues, carpets (tied in compact bundles no larger than 1.2 m (4 ft) in length and 0.76 m (2.5 ft) in width, furniture, mattresses, microwave ovens, rugs, small appliances and television sets.

**“Business Improvement Area (BIA)”** means an area designated by municipal by-law under the *Municipal Act*, 2001, by The Corporation of the City of Mississauga, The Corporation of the City of Brampton or The Corporation of the Town of Caledon. Includes dwelling units and places of business as set out in the areas defined in Appendix 8 of this document.

**“Collection Pad”** shall refer to an external level concrete pad used as a waste collection point.

**“Collection Point”** means the part of the property eligible to receive services that has been designated by the Commissioner for the setting out and collection of Bulky Items, Garbage, Household Organics, Recyclable Materials, White Goods, and Yard Waste.

**“Commercial”** means a property used for retail or service establishments, commercial recreational purposes, entertainment purposes or offices and includes non-residential property and non-institutional property.

**“Commissioner”** means the Commissioner of Environment, Transportation and Planning Services for The Regional Municipality of Peel, or his or her designate, authorized to act on his or her behalf.

**“Contractor”** means any individual, firm, company or corporation and the employees of any such individual, firm, company or corporation with whom the Region has entered into a contract or agreement for the collection of waste.

**“Council”** means the Council of The Regional Municipality of Peel.

**“Curbside Collection”** refers to the collection of Waste in Proper Receptacles from an approved collection point, either abutting the property and as close as possible to the edge of the roadway without obstructing the roadway or sidewalk and not extending beyond the frontage of the property.

**“Current Bag Standard”** means the maximum allowable number of bags or equivalent units of garbage that may be Set Out without being Tagged, as determined by the Commissioner from time to time as required.

**“Dwelling Unit”** means a place of residence designed or intended for habitation by one or more persons with its own culinary and sanitary facilities which are provided for the exclusive use of the person or persons who reside therein.

**“Front-end Bin”** means a metal container with slots (or arms) with a capacity of no less than 3 cubic yards and no greater than 6 cubic yards, specifically designed to contain Garbage or Recyclable Materials approved by the Region and collected by front-end loading collection vehicles.

**“Front-end Collection”** refers to the collection of Garbage and/or Recyclable Materials by means of a front-end collection vehicle.

**“Garbage”** means Waste other than Recyclable Materials, Household Organics, Hazardous Waste, White Goods, Bulky Items, Yard Waste and Non-Complying Waste.

**“Garbage Receptacle”** means:

(a) a front-end loading container, roll-off container, lugger bin, compacter unit, rear packer bin, side loading bin and any other containers with a capacity equivalent to the current bag standard as designated by the Commissioner as approved containers for the collection of Garbage at Multi-residential Complexes; or

(b) a rigid container having:

- (i) a lid which is readily separable from the container, which when covered is watertight;
- (ii) handles that are attached or moulded to the exterior of the container;
- (iii) a capacity less than 125 litres (30 imperial gallons);

- (iv) an external width no greater than 60 centimetres (24 inches);
- (v) an external height no greater than 95 centimetres (38 inches);
- (vi) capable of supporting a weight of no more than 20 kilograms (44 pounds); or

(c) a non-returnable plastic bag:

- (i) with a width no greater than 66 centimetres (26 inches);
- (ii) with a height no greater than 90 centimetres (36 inches);
- (iii) have the capability to be securely closed or tied when filled; and
- (iv) durable to support a weight of no more than 20 kilograms (44 pounds) when lifted without tearing.

and does not include a Recycling Receptacle, Yard Waste Receptacle or Household Organics Receptacle.

**“Household Organics”** means kitchen food waste and any other organic material collected separately for the purpose of composting as determined by the Commissioner and identified as Household Organics in the Region’s Waste Collection By-law.

**“Household Organics Receptacle”** means a container for Household Organics collection for the purpose of the Region-wide Organics Program:

(a) Curbside Container supplied by the Region

- (i) a plastic bin with or without wheels which is compatible with the Region’s Contractor for the provision of household organics collection;
- (ii) a capacity ranging between 35 to 50 litres (8 to 11 imperial gallons).

**“Industrial”** refers to properties, developments and redevelopments zoned as Industrial.

**“Industrial, Commercial or Institutional Waste”** means waste originating from:

- i) any business or Institutional Establishment;
- ii) an enterprise or activity involving warehousing, storage or industrial, manufacturing, or commercial processes or operations;
- iii) an enterprise or activity where goods or materials are kept for sale, or offered for sale, to the general public;
- iv) hotels and motels;
- v) research or an experimental enterprise or activity;
- vi) clinics that provide medical, dental or veterinary diagnosis or treatment;
- vii) laboratories or hospitals; or
- viii) construction or demolition projects, or large home renovations.

**“Institutional Establishment”** includes, but is not limited to, a building that is a seniors’ home, place of worship, day care, community shelter, school, or community college and university student residence, Regional or Area Municipality property and any other facilities as designated by the Commissioner.

**“Small Institutional and/or Municipal”** the status of ‘small’ is determined by the predicted amount of waste to be generated within the building, and decides what type of collection will be provided. This status will be determined at site plan stage by Waste Management staff.

**“Large Institutional and/or Municipal”** the status of ‘large’ is determined by the predicted amount of waste to be generated within the building, and decides what type of collection will be provided. This status will be determined at site plan stage by Waste Management staff.

**“Kraft Paper Bag”** means a double ply biodegradable paper bag designed and manufactured specifically to store Yard Waste.

**“Local Board”** means a local board as defined in the *Municipal Affairs Act*, R.S.O. 1990, c. M-46 insofar as its authority may be exercised within the Region.

**“Mixed Use Building”** means a use or intended use of a building or structure designed or intended for two or more uses as a combination of residential and non-residential.

**“Multi-residential Complex”** means an apartment building, condominium complex, townhouse complex, co-op complex or other similar residential complex containing more than six (6) self-contained dwelling units.

**“Municipal Buildings”** means buildings occupied by the Region of Peel or an Area Municipality.

**“Non-Complying Waste”** means the Waste items referred to as Non-Complying Waste in the Region’s Waste Collection By-law.

**“Occupier”** means an occupier as defined in the Occupiers' Liability Act, R.S.O. 1990, c.O.2, and includes:

- (a) a person who is in physical possession of a premises; or
- (b) a person who has responsibility for and control over the condition of premises or the activities there carried on, or control over persons allowed to enter the premises and includes, but is not limited to, property managers and tenants; despite the fact that there is more than one Occupier of the same premises.

**“On-site Waste Collection”** means the collection of Waste from containers and waste storage areas on Private Property or Public Property. For the purposes of On-Site Waste Collection, “container” includes, but is not limited to: roll-off containers, lugger bins, compactor units, rear packer bins, side loading bins, front-end bins and semi-automated carts for Waste.

**“Owner”** means a person who is an owner of any land or building and includes, but is not limited to, developers.

**“Private Property”** means any land or building that is privately owned and is not owned by an Area Municipality in the Region, a Local Board, the Region or the Crown in Right of Ontario, the Crown in Right of Canada or any emanations thereof, unless it is leased to a person or corporation not listed above.

**“Proper Receptacle”** means a Garbage Receptacle, Recycling Receptacle, Yard Waste Receptacle, or Household Organics Receptacle approved by the Region.

**“Public Property”** means any land or building that is owned by an Area Municipality in the Region, a Local Board, the Region, or the Crown in Right of Ontario, the Crown in Right of Canada or any emanations thereof.

**“Recyclable Materials”** means any Waste or material designated under a waste collection contract entered into between the Region and a Contractor, mandated under Ontario Reg. 101/94 or designated by the Commissioner, subject to the approval of Council, as a Waste or a material to be collected separately from other Waste, for the purpose of recycling. Includes, but is not limited to the items referred to as

Recyclable Materials in the Region's Waste Collection By-law and any other Waste identified as recyclable by the Region as determined by the Commissioner.

**“Recycling Receptacle”** means:

(a) Recycling Containers

- (i) a rigid, open 64 litre (17 imperial gallons) plastic container which is provided by the Region or which meets the requirement of the Region; or
- (ii) Such other container determined by the Commissioner as acceptable for setting out Recyclable Materials.

(b) Semi-automated Carts

- (i) a 360 litre (95 U.S. gallons) plastic bin equipped with wheels which is compatible with the equipment used by the Region's Contractor for the provision of recycling collection services.

(c) Front-end Bins

- (i) a fully covered, water-tight metal container with a capacity greater than 1.5 cubic metres (2 cubic yards) and less than 6 cubic metres (8 cubic yards) which is compatible with the equipment used by the Region's Contractor for the provision of recycling collection service; or
- (ii) such other containers, in good working order or determined by the Commissioner as acceptable for setting out Recyclable Materials.

(d) Transparent Bags

- (i) a clear or transparent blue plastic bag no larger than 66 centimetres (26 inches) wide and 90 centimetres (36 inches) in length and not exceeding 20 kilograms (44 pounds) and placed on top of or beside Recycling Receptacles.

**“Region”** means The Regional Municipality of Peel.

**“Residential Unit”** means a self-contained residential Dwelling Unit permitted by law that is:

- (a) a single-detached residence;
- (b) a semi-detached residence;
- (c) a unit in a duplex, triplex, four-plex, five-plex or six-plex; or
- (d) a unit in an apartment building, condominium complex, townhouse complex, co-op complex or other similar residential complex containing six or fewer dwelling units, but does not include a hotel, motel, restaurant, basement apartment or other apartment within a residence described in items (a), (b), (c) or (d) above, and does not include a unit in a Multi-residential Complex.

**“Residential Waste”** means Waste that is discarded for collection that originates from a Residential Unit or unit in a Multi-residential Complex and includes, but is not limited to the following: Bulky Items, White Goods, Yard Waste, Household Organics, Garbage and Recyclable Materials.

**“Set Out”** means to place, cause or permit to be placed, Waste at any location on Private Property or Public Property for the purpose of collection.

**“Semi-Automated Collection”** means a method of collection for recyclable materials by semi-automated side-loading collection vehicles. The Region will provide 360 litre (95 U.S. gallon) Semi-automated Carts.

**“Tag”** means a sticker, tab, tie or label approved by the Commissioner for the purpose of identifying Garbage Receptacles for collection.

**“Tagged”** means having a Tag attached to a Garbage Receptacle.

**“T-turnaround”** refers to a “T”-shaped area that allows vehicles to reverse direction through a 3-point turn (see Appendix 3).

**“Turning Radius”** means the minimum radius required for a vehicle to turn around (see Appendix 1 and 2).

**“Waste”** includes anything discarded for collection from any source and litter.

**“White Goods”** include, but are not limited to the following items: air conditioners, dishwashers, empty home heating oil tanks (cut in half), empty hot water tanks, fireplaces, freezers, furnaces, heat pumps/exchangers, humidifiers and dehumidifiers, large home safes, metal sinks, bath tubs and shower enclosures, pool heaters, refrigerators, stoves and washers and dryers, but do not include these materials when discarded as a result of renovations to a Multi-Residential Complex.

**“Yard Waste”** means the items referred to as yard waste material in the Region’s Waste Collection By-law, and any other waste material identified as yard waste material by the Region as determined by the Commissioner.

**“Yard Waste Receptacle”** means:

(a) an open rigid container having:

- (i) handles that are attached or moulded to the exterior of the container;
- (ii) a capacity less than 125 litres (27.5 imperial gallons);
- (iii) an external width no greater than 60 centimetres (24 inches); and
- (iv) an external height no greater than 95 centimetres (38 inches); or

(b) a Kraft Paper bag specifically designed for Yard Waste and:

- (i) with a width no greater than 66 centimetres (26 inches);
- (ii) with a height no greater than 90 centimetres (35 inches);
- (iii) have the capability to be securely closed or tied when filled; and
- (iv) durable to support a weight of 20 kilograms (44 pounds) when lifted without tearing; or

(c) a bushel basket capable of supporting 20 kilograms (44 pounds) when lifted.

(d) Semi-automated Cart

- (i) a plastic bin supplied by the Region and equipped with wheels which is compatible with the Region’s Contractor for the provision of Yard Waste collection services;
- (ii) a capacity less than 242 litres (64 imperial gallons).

### 1.3 General Requirements

Outlined in the following section are the general requirements which must be adhered to for Regional waste collection to be provided. Specific requirements based on the type of building and use will be in the appropriate section.

- The Region will only collect garbage, recyclable materials, household organics, bulky items, white goods and yard waste and reserves the right to revoke collection services to any development that does not adhere to the requirements as laid out in this document and within the Region's Waste Collection By-law.
- Collection services for garbage are provided for non-hazardous municipal solid waste. The Region will not collect waste generated by manufacturers, any hazardous or pathological wastes, or construction materials.
- Private roads in the Region must be a minimum of 6 metres wide and have the necessary road surface strength to accommodate Regional collection vehicles.
- Property management is responsible for moving bins during collection if so required. The Region will not be responsible for emptying bins that are inaccessible to the collection vehicle.
- For detailed information on waste collection services and schedules, refer to the Region of Peel's web site at [www.peelregion.ca](http://www.peelregion.ca) or call 905-791-9499.

### 1.4 Site Plan Approval Requirements

Please refer to the appropriate section of this document when preparing site plans. To ensure that the Region has the opportunity to review site plans as they pertain to waste collection, all applicants who intend on receiving collection from the Region must include details on the following during the site plan application process:

- Number of dwelling units and number of storeys in the development.
- Access routes for waste collection vehicles.
- Loading facilities (if applicable, i.e. for multi-residential complexes or developments receiving front-end and/or semi-automated waste collection services).
- Size and number of garbage and recycling receptacles to be used (if applicable, i.e. for multi-residential complexes receiving front-end and/or semi-automated waste collection services).
- All waste storage facilities including the system to be used to ensure that the recycling collection program is as convenient to each resident in the development as the garbage collection program (if applicable, i.e. for multi-residential complexes). A scalable drawing of all garbage and recycling room designs must be included with the site plan submission and is subject to change after review by the Waste Management Division.

## 1.5 Storage Requirements

Property owners are obligated to provide an on-site storage room for waste. Such space must be ventilated, rodent-proof, internal and separate from the living space.

- a) For those receiving curbside collection, an area of 2.5 square metres is adequate for the storage of two recycling receptacles, 3 garbage receptacles, household organics receptacle and a yard waste receptacle. The storage area must be of sufficient area to store all waste for a minimum of one week.
- b) If adequate storage space cannot be provided within each individual residential unit, then a central storage facility must be provided. This space must be an internal, ventilated and rodent-proof area outside of all living spaces, and must be of sufficient area to contain separate receptacles for garbage, recyclable materials and household organics (if applicable). Please refer to the property standards by-laws of the Area Municipality for additional requirements.

## 1.6 Approval Process

If during the site plan approval process the Region of Peel approves waste collection services, an Acknowledgement and Release for Private Property Waste Collection Services and Application for Private Property Waste Collection Services must be completed before the commencement of waste collection. These forms can be obtained by contacting the Region of Peel, Waste Management Division at 905-791-9499 and once completed, are to be mailed to:

Region of Peel Waste Management Division  
Waste Collection and Processing  
7795 Torbram Road  
Brampton, Ontario  
L6T 0B6

After submitting the required forms a By-law Enforcement Officer will visit the site to determine if the occupancy level has reached 90 per cent. Once the site has reached 90 per cent occupancy, waste collection services will commence provided that there is safe access as determined by Waste Management staff. Please note that the developer will be responsible for the collection and disposal of waste until 90 per cent occupancy of the development has been reached and final clearance to commence waste collection has been granted by Waste Management staff.

## 2. WASTE COLLECTION FROM RESIDENTIAL DEVELOPMENTS

### 2.1 Residential Units Fronting on a Public Road

- i) For single-detached dwellings, semi-detached dwellings, townhouses and multi-residential dwellings up to six units fronting on a public road, curbside garbage, recyclable materials, household organics and yard waste collection will be provided subject to following requirements:
  - a) Road layouts will be designed to permit continuous collection by the waste collection vehicle without reversing.
  - b) All roads will be designed to have a minimum width of 6 metres.
  - c) The turning radius from the centre line has to be a minimum of 13 metres on all turns.
  - d) The set out area along the curb must be at least 2.5 square metres in order to provide sufficient space for the placement of recycling receptacles, garbage receptacles, household organics receptacle and a yard waste receptacle. Each unit within a development must have its own identifiable waste collection point.
  - e) The waste set out location is to be on public property, as close as possible to the travelled portion of the public highway or roadway, directly adjacent to the private property of the unit owner, directly accessible to the waste collection vehicle and free of obstructions (i.e. parked cars).
  - f) The roadway should be designed to accommodate collection vehicles as identified in Appendix 1.
- ii) Where the requirement for continuous collection cannot be met, a cul-de-sac or a T-turnaround will be permitted in accordance with the specifications shown in Appendix 2 or 3, respectively.

### 2.2 Residential Units Fronting on a Private Road

- i) For single-detached dwellings, semi-detached dwellings, townhouses and multi-residential dwellings up to six units with an internal private street system, curbside collection of garbage, recyclable materials, household organics and yard waste will be provided, subject to the following requirements:
  - a) The internal road layout should be designed to permit continuous collection without reversing. Where the requirement for continuous collection cannot be met, a cul-de-sac or a “T”-turnaround will be permitted in accordance with the specifications shown in Appendix 2 and 3, respectively.

- b) All roads must have a minimum width of 6 metres.
  - c) The turning radius from the centre line has to be a minimum of 13 metres on all turns.
  - d) The set out area along the curb must be at least 2.5 square metres in order to provide sufficient space for the placement of recycling receptacles, garbage receptacles, household organics receptacle and a yard waste receptacle.
  - e) The waste set out location is to be as close as possible to the travelled portion of the roadway, directly adjacent to the private property of the unit owner, directly accessible to the waste collection vehicle and free of obstructions (i.e. parked cars).
  - f) The roadway should be designed to accommodate collection vehicles as identified in Appendix 1.
  - g) For collection of garbage, recyclable materials, household organics and yard waste from private lanes, apartments and or condominiums, an Acknowledgement and Release for Private Property Waste Collection Services and an Application for Private Property Waste Collection Services must be completed prior to the commencement of collection. The developer will be responsible for collection and disposal of waste until 90 per cent occupancy of the development has been reached. The developer will be required to contact the Region of Peel, Waste Management Division at 905-791-9499 to authorize commencement of collection. Waste Management staff will visit the site to confirm that the development has reached 90 per cent occupancy. Upon confirmation of 90 per cent occupancy and provided that there is safe access for the waste collection vehicle, Waste Management staff will recommend that waste collection service commence.
- ii) In those situations where a waste collection vehicle must reverse, then the maximum straight back-up distance is 15 metres. The vehicle will not be permitted to back-up onto a municipal road allowance.

Please note: if there are more than 16 dwelling units in a multi-residential development comprised of triplexes, fourplexes, fiveplexes and/or sixplexes where door to door curbside collection service is not available, the development will require front-end collection and must meet the requirements set out in Section 2.3 Multi-Residential Complexes.

- iii) The use of common collection pads or other common curbside collection facilities is prohibited.
- iv) Private waste collection for residential developments will not be permitted unless approved by Regional Council. If private waste collection is approved the development cannot receive Regional waste collection service in perpetuity, unless modifications are made to

the development to meet the design standards for garbage and recycling collection, or recycling collection only, or unless Council approves such service at a future date.

## 2.3 Multi-Residential Complexes

### i) GENERAL REQUIREMENTS

**To facilitate adherence to the Region’s Waste Collection By-law, the developer will be required to ensure that the recycling collection program is as convenient to each resident in the development as the garbage collection program.**

The following are examples of appropriate recycling programs:

Garbage Collection Program	Recycling Collection Program
Residents are required to take garbage to a chute room.	Residents are required to take recyclables to the same chute room.
Residents are required to take garbage to a central location.	Residents are required to take recyclables to the same central location.

Recycling is mandatory within all residential buildings, and waste collection services may be revoked by failing to comply. The following methods may be used:

- 1) A single garbage chute with an automated mechanical separation system to divert garbage and recyclable materials into separate bins;
- 2) Two separate chutes for garbage and recyclable materials;
- 3) Any other option acceptable to the Region’s Waste Management Division.

At the site plan stage the developer will need to identify the system to be used by providing drawings of all waste storage room designs for the development.

For buildings with more than six units, Regional front-end garbage and semi-automated recycling or front-end recycling collection will be provided, subject to the following requirements:

- a) The developer will be required to build a collection area on private property with direct and safe access to a municipal roadway that does not require the collection vehicle to back onto a municipal road allowance following collection. A turnaround will need to be provided. Refer to Appendix 1 for collection vehicle dimensions and Appendix 3 for minimum turnaround requirements.
- b) Internal roadways must be constructed of a hard surface material such as asphalt, concrete or lockstone and designed to support a minimum of 35 tonnes, the weight of a fully loaded waste collection vehicle.
- c) If the collection vehicle is required to drive onto or over a supported structure (such as an air grate, transformer cover, or underground parking garage) the Region must

be provided with a letter certified by a professional engineer that the structure can safely support a fully loaded collection vehicle weighing 35 tonnes.

- d) All internal roads will be designed to have a minimum width of 6 metres. One-way service roads must have a minimum width of 6 metres at the entrance and exit to the site and a minimum width of 4.5 metres throughout the site. Consideration should be made regarding width requirements for turns that may be required.
- e) The turning radius from the centre line has to be a minimum of 13 metres on all turns.
- f) The maximum grade permitted along the waste collection vehicle access route is 8 per cent.
- g) A minimum 18 metre straight head-on approach to the collection area is required. This approach is to be level (+/- 2%) and the same width as the collection area.
- h) In the collection area an overhead clearance of 7.5 metres from obstructions such as balconies, wires and trees must be provided.
- i) Outside of the collection area an overhead clearance of 4.4 metres from obstructions such as balconies, wires and trees must be provided.
- j) The waste storage and collection areas, including the number, size and type of receptacles to be used for garbage and recyclable materials are to be clearly identified on site plans. The site plan must also include a diagram illustrating the waste collection vehicle access route throughout the complex indicating turning radii and turning areas.
- k) The Owner or property management must notify tenants or unit owners, in writing, of the current recycling program within the complex. This information must be kept up to date, redistributed regularly and be provided to all new tenants or unit owners.
- l) It is the responsibility of the owner, manager or superintendent of a building to ensure that recycling receptacles are not contaminated with non-recyclable materials, and that garbage receptacles are free of recyclable materials. Receptacles which are contaminated will not be collected, and could lead to the termination of collection services.
- m) The collection area should not require the jockeying of front-end bins (i.e. manually positioning one front-end bin at a time for the waste collection vehicle to pick up) by property management staff. The Region of Peel strongly discourages waste collection area designs that rely on property management staff to move front-end bins and semi-automated carts (if applicable) during waste collection. The waste collection area should be large enough to accommodate all front-end bins and semi-automated carts (if applicable) so that they can be properly positioned in the

collection area on the day of collection before 7 a.m. The minimum width required is 3 metres for every front-end bin present with a minimum depth of 2 metres (for 3 cubic yard bins, 4 cubic yard bins will require a minimum depth of 3 metres) in the waste collection area.

However, where all reasonable attempts have been undertaken and these requirements cannot be met, reliance on property management staff to facilitate waste collection will be considered at the Region's discretion subject to the following requirements:

- 1) The driver is not required to exit the collection vehicle to facilitate collection.
  - 2) Property management is responsible for moving bins during collection.
  - 3) The Region will not be responsible for emptying bins that are inaccessible to the collection vehicle.
- n) For multi-residential complexes using centralized external waste collection facilities, the maximum walking distance (total linear distance along sidewalks/walkways) for residents to these areas from an entrance to any building containing residential units is not to exceed 100 metres. Multiple collection facilities may be required in order to comply with this requirement.

The developer will be required to submit an Undertaking describing the waste collection method for all units which is to be included in all Agreements of Purchase and Sale and in the Condominium Declaration and Description.

The wording of the Undertaking shall be as follows:

Waste Collection: All Buildings/Units

“Purchasers are advised that a residential waste collection facility is located adjacent to the [Feature A] and is intended to accommodate all residential garbage and recyclable materials from [Buildings X to Y], inclusive only. Purchasers of units within the Buildings described above are advised that household waste collection will be the sole responsibility of the residents residing in the subject buildings/units. Purchasers and subsequent residents will be required to dispose of all residential garbage and recyclable materials to the approved central household waste facility on site.”

Additionally, in the event that all reasonable attempts have been undertaken and the maximum walking distance requirement of 100 metres from any Building/Unit to the waste collection facility cannot be met for all or part of a development, this will be considered subject to the following requirement.

The developer will be required to notify future occupants of the affected Buildings/Units by including the following in all Agreements of Purchase and Sale and in the Condominium Declaration and Description:

“Purchasers and subsequent residents will be required to dispose of all residential garbage and recyclable materials to the approved central residential waste facility on site that may be up to [maximum distance] metres in distance from some units within the Buildings described above.”

- o) For collection of garbage and recyclable materials from private lanes, apartments and or condominiums, an Acknowledgement and Release for Private Property Waste Collection Services and an Application for Private Property Waste Collection Services must be completed prior to the commencement of collection. The developer will be responsible for collection and disposal of waste until 90 per cent occupancy of the development has been reached. The developer will be required to contact the Region of Peel, Waste Management Division at 905-791-9499 to authorize commencement of collection. Waste Management staff will visit the site to confirm that the development has reached 90 per cent occupancy. Upon confirmation of 90 per cent occupancy and provided that there is safe access for the waste collection vehicle, Waste Management staff will recommend that waste collection service commence.

#### ii) GARBAGE COLLECTION REQUIREMENTS

- a) For developments requiring waste to be stored externally, a front-end garbage bin enclosure must be provided. For a single bin enclosure, a 3 metre clearance at the opening is required. For a double bin enclosure with two gates, an opening of 6 metres is required. If four gates are proposed on a double bin enclosure, then an opening of 4 metres is required for each bin. Outside gates on the enclosure are to swing open 135 degrees. All gates must be able to be secured in the open position. See Appendix 4 for an illustration of these requirements. In addition, sufficient screened space must be provided for the storage and set out of bulky items and white goods generated by residents between scheduled collections.
- b) For garbage stored internally, a collection area is required that will consist of a level (+/- 2%) concrete surface. The minimum width required is 3 metres for every front-end bin present, with a minimum depth of 2 metres (for 3 cubic yard bins, 4 cubic yard bins will require a minimum depth of 3 metres). For a 6 metre wide collection area, bins will be placed in single file on one side of the collection area and the length of the collection area shall be adequate to accommodate the required number of bins. If a 9 metre wide collection area is used, bins can be placed in two rows (leaving a 3 metre wide empty row to move empty bins to). In addition, a minimum 18 metre straight head-on approach to the collection area is required. This approach is to be level (+/- 2%) and the same width as the collection area. See Appendix 4 for an illustration of these requirements. For information on alternative waste collection area configurations, contact the Region of Peel Waste Management Division.

The internal storage area must be large enough to contain all the required number of front-end garbage bins (10 square metres for the first bin and 6 square metres for each thereafter) and allow for easy movement of the bins. In addition, sufficient space (a minimum of 10 square metres) must be provided for the storage and set out of bulky items and white goods.

- c) The following table can be used as a guideline when calculating the number of front-end garbage bins required.

<b>Type of Bin</b>	<b>3 yd<sup>3</sup></b>	<b>4 yd<sup>3</sup></b>	<b>6 yd<sup>3</sup></b>
<b>Compacted</b>	54 units/bin	72 units/bin	-
<b>Uncompacted</b>	18 units/bin	24 units/bin	36 units/bin

Please note: due to their size, 6 cubic yard front-end bins are only to be used for multi-residential developments where waste is to be stored externally. Each 6 cubic yard front-end bin is to be permanently located in an area accessible to the waste collection vehicle.

### iii) RECYCLABLE MATERIALS COLLECTION REQUIREMENTS

#### a) Semi-Automated Recycling Collection

Semi-automated recycling collection is typically established at buildings with less than 120 units and/or townhouse complexes receiving front-end garbage collection, as approved by the Region upon the review of site plans for a proposed development. The semi-automated recycling collection system uses Semi-automated Carts.

The size of the storage area for recyclable materials will be determined by the number of units served by the storage area(s) within a development. The storage area must be large enough to contain all the required number of semi-automated carts and allow for easy movement of the carts. One semi-automated cart for each 10 units is required. Consideration should be given to the possibility of future program expansion. Please see Appendix 5 for semi-automated cart dimensions.

A level hard-surfaced location for the placement of semi-automated carts is also required adjacent to the lane for the waste collection area. This area must be able to accommodate a minimum of six semi-automated carts and thus have a dimension of 1 metre by 4.2 metres. Each additional semi-automated cart will require an increase in the size of the pad of 1 metre by 0.8 metres. Please see Appendix 4 for an illustration of these requirements.

b) Front-end Recycling Collection

Front-end recycling collection is typically established at buildings with greater than 120 units and/or buildings receiving front-end garbage collection, as determined by the Region. The front-end recycling collection system uses Front-end Bins.

The storage area must be large enough to contain all the required number of front-end bins (10 square metres for the first bin and 6 square metres for each thereafter) and allow for easy movement of the bins. For each 10 units, 0.5 cubic yards of bin space will be required (e.g. 120 units would require one 6 cubic yard bin or two, 3 cubic yard bins). Recyclable materials are not to be compacted. Consideration should be given to the possibility of future program expansion. Please see Appendix 5 for front-end bin dimensions.

A collection area will be required in accordance with the specifications described in Section 2.3 ii) a) or b).

- iv) Private waste collection for residential developments will not be permitted unless approved by Regional Council. If private waste collection is approved the development cannot receive Regional waste collection services in perpetuity, unless modifications are made to the development to meet the design standards for garbage and recycling collection, or recycling collection only, or unless Council approves such service at a future date.

## **2.4 Mixed Use Buildings**

Mixed Use Buildings found in residential areas will be subject to the Region's Current Bag Standard. Curbside collection will be provided for the residential waste, while a private hauler will be required for the business waste. Residential waste must be separated from business waste, and must be clearly identifiable. Large mixed use multi-residential developments must have separate storage and collection areas for business waste.

## **3. WASTE COLLECTION FROM INSTITUTIONAL DEVELOPMENTS**

### **3.1 Small Institutional**

- i) For small institutional buildings located in residential areas, curbside collection of garbage, recyclable materials and yard waste will be provided by the Region of Peel.
- ii) For small institutional buildings located in non-residential areas, on-site waste collection will be required through a private waste hauler.

## **3.2 Large Institutional**

- i) For large institutional buildings located in residential areas front-end garbage, semi-automated or front-end recycling and curbside yard waste collection will be provided, subject to the requirements set out under Section 2.3 Multi-Residential Complexes as well as the following requirements:
  - a) No institutional building shall place out for collection any materials containing hazardous or biomedical wastes. These wastes are defined in the Region's Waste Collection By-law and in Ontario Regulation 347, Guideline C-4 respectively. Placing such waste out for collection may result in the suspension of collection services.
- ii) For large institutional buildings located in non-residential areas, on-site waste collection will be required through a private waste hauler.

## **3.3 Schools**

- i) For schools located within a residential area, waste collection will be subject to the following requirements:
  - a) The collection of garbage will be required through a private waste hauler.
  - b) Semi-automated collection of recyclable materials and curbside collection of yard waste will be provided by the Region of Peel. Large schools (with an enrolment of 700 or more students) may receive front-end collection of recyclable materials at the discretion of the Region's Waste Management Division.
- ii) For schools located in a non-residential area, on-site waste collection of all materials will be required through a private waste hauler.

## **3.4 Municipal Buildings**

- i) For small municipal buildings located in residential areas, curbside collection of garbage, recyclable materials and yard waste will be provided by the Region of Peel.
- ii) For large municipal buildings, or municipal buildings located in non-residential areas, front-end collection of garbage and semi-automated or front-end collection of recyclable materials will be provided subject to requirements set out under Section 2.3 Multi-Residential Complexes.

#### 4. WASTE COLLECTION FROM COMMERCIAL AND INDUSTRIAL DEVELOPMENTS

- i) The Regional Municipality of Peel will not provide the collection of garbage, recyclable materials and yard waste from Industrial and Commercial establishments. The owner is to arrange for on-site waste collection through a private hauler.
- ii) Commercial establishments located in a Business Improvement Area (BIA) will receive twice weekly garbage collection and weekly collection of recyclable materials. Maps showing the boundaries of the BIAs can be found in Appendix 8.

**Note:** *If there are any inquiries, please contact the Regional Municipality of Peel, Waste Management Division at 905-791-7800.*

## APPENDIX 1: WASTE COLLECTION VEHICLE DIMENSIONS

### A. Vehicles used for Residential Curbside Collection

The development must be able to accommodate vehicle types 1, 2, 3, and 5.

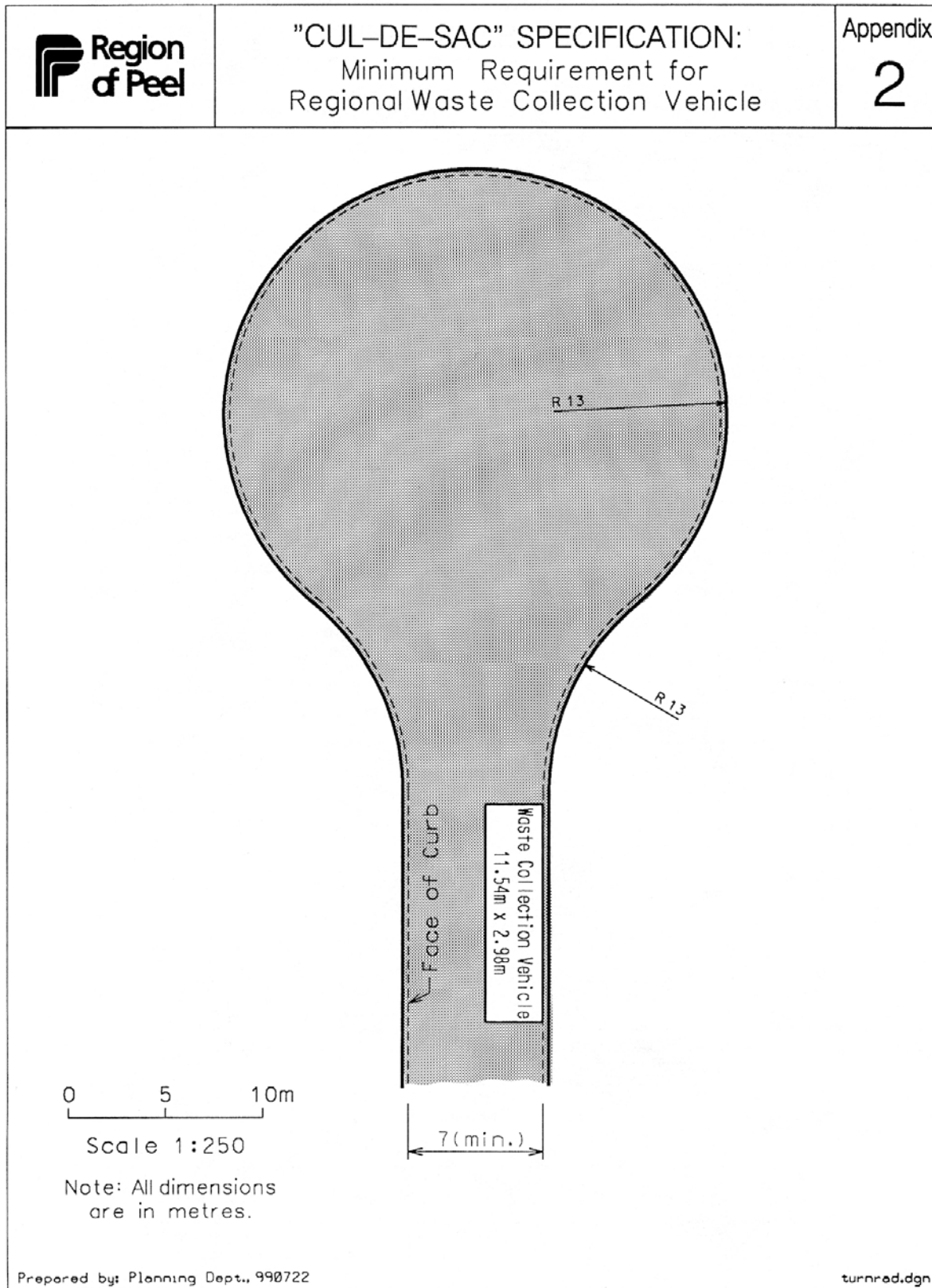
### B. Vehicles used for Front-end Garbage and Semi-automated Recycling or Front-end Recycling Collection

The development must be able to accommodate vehicle types 1, 3, 4, and 5.

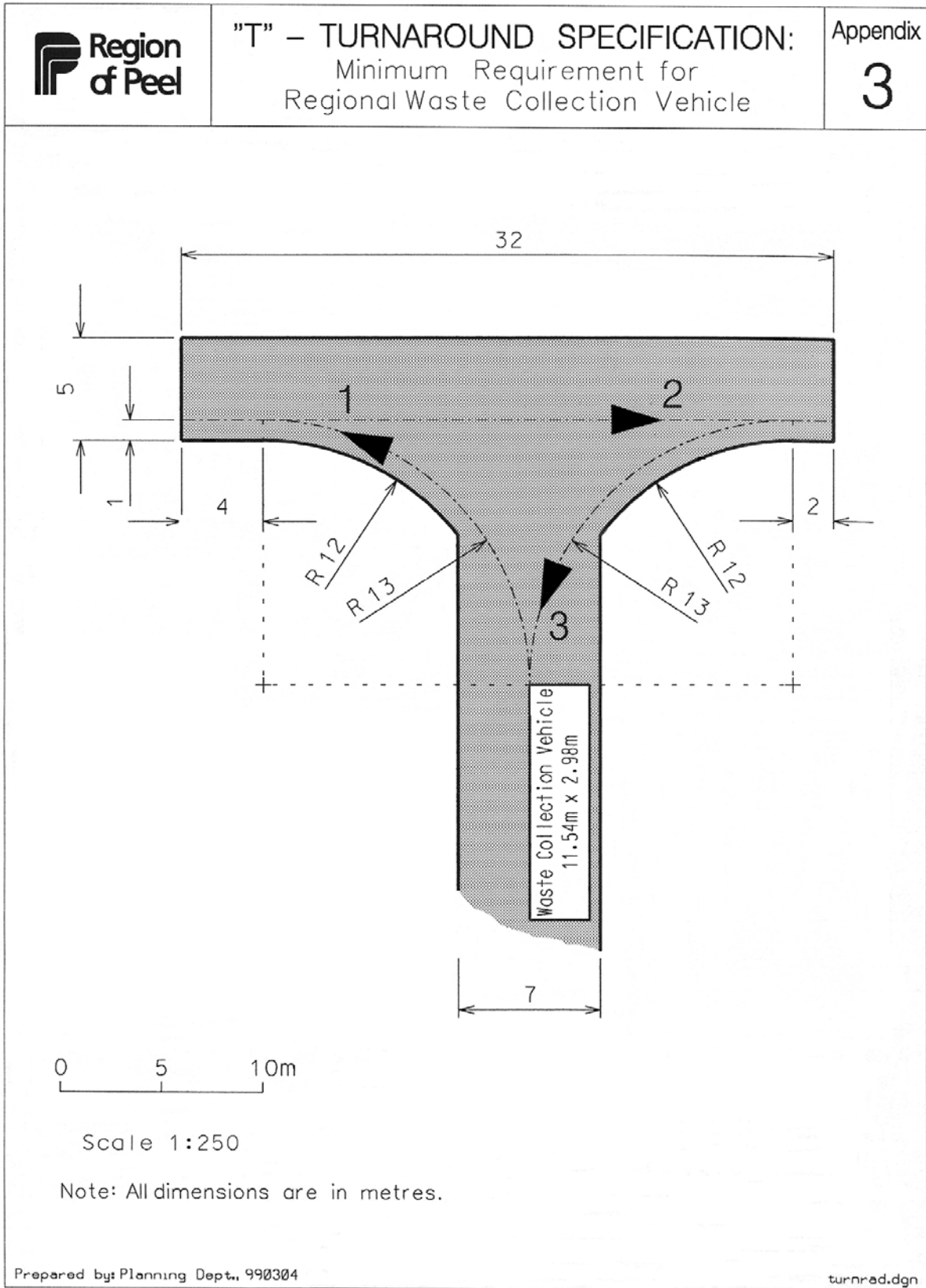
### C. Vehicle Dimensions

Vehicle Type	Length	Width	Height	Turning Radius
<b>1. Rear Packer</b>	11.54 m	2.77 m	3.69 m	13.00 m
<b>2. Side Packer</b>	10.46 m	2.98 m	3.85 m	13.00 m
<b>3. Semi-automated Side-loading Collection Vehicle</b>	10.76 m	2.77 m	3.69 m 5.08 m with bucket up	11.50 m
<b>4. Front-end Collection Vehicle</b>	9.85 m	2.77 m	4.31 m 6.15 m with forks extended	11.50 m
<b>5. White Goods</b>	10.76 m	2.98 m	3.38 m	11.50 m

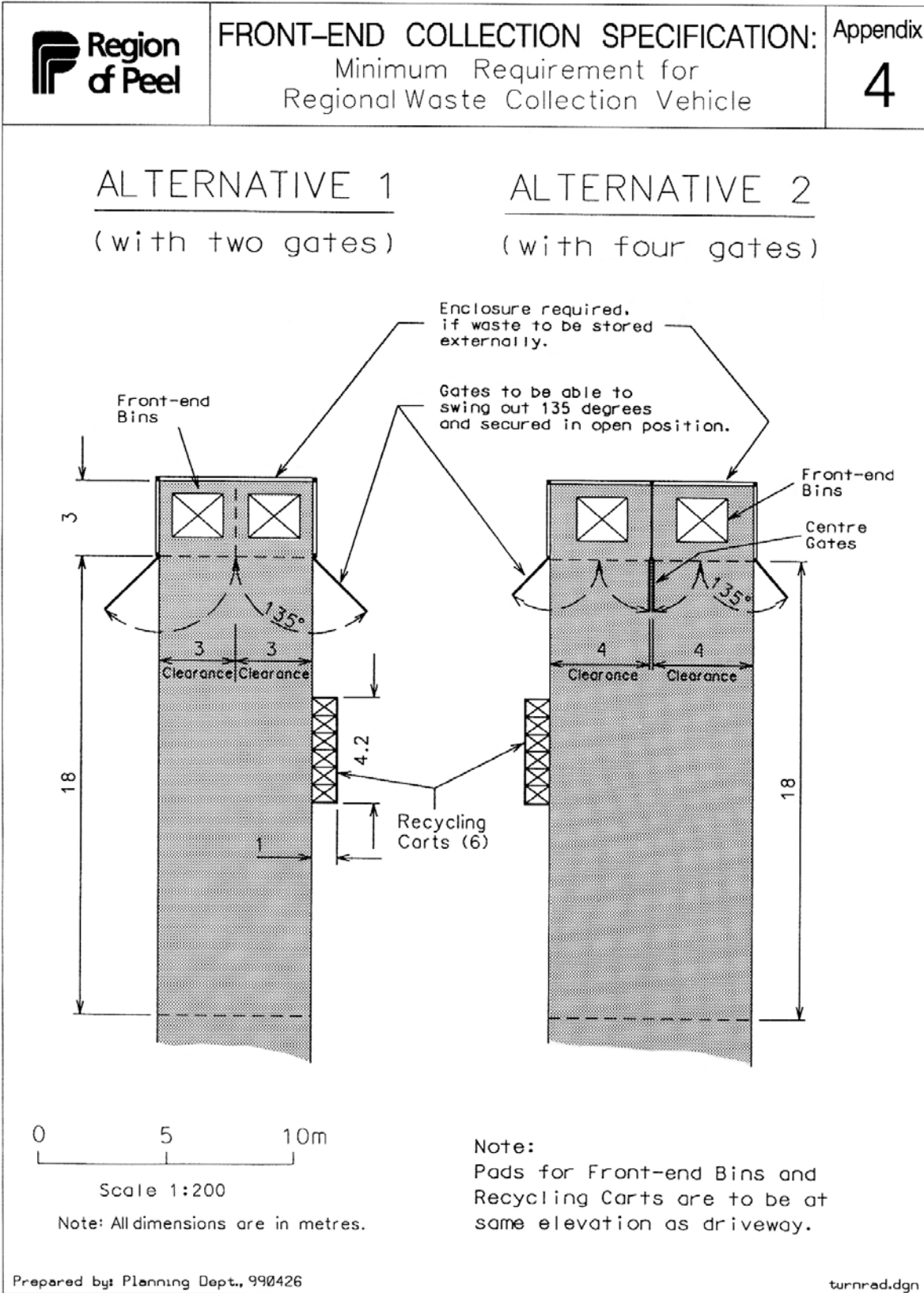
# APPENDIX 2: CUL-DE-SAC SPECIFICATION



# APPENDIX 3: "T" – TURNAROUND SPECIFICATION



# APPENDIX 4: FRONT-END COLLECTION SPECIFICATION



0      5      10m

Scale 1:200

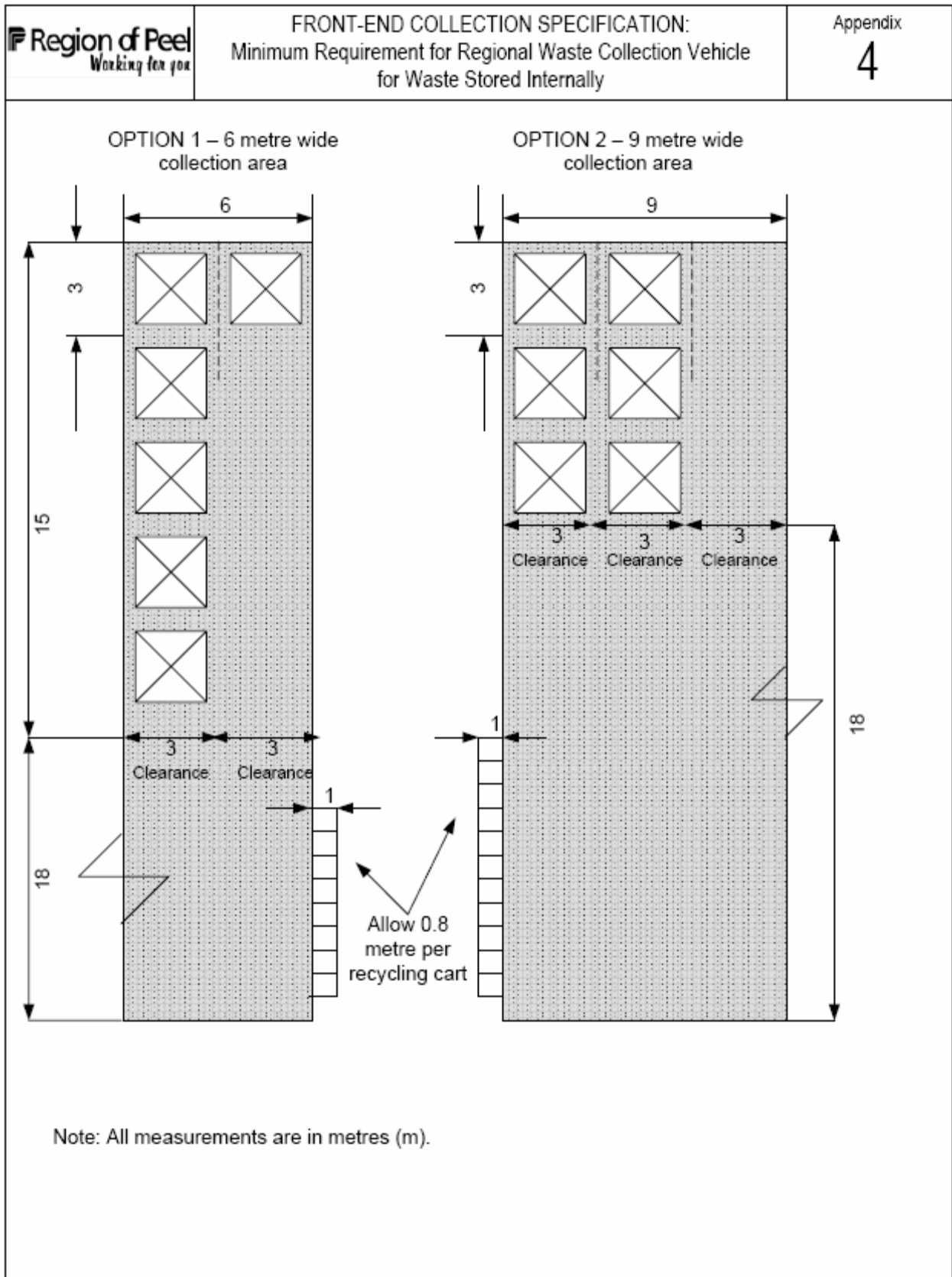
Note: All dimensions are in metres.

**Note:**  
 Pads for Front-end Bins and Recycling Carts are to be at same elevation as driveway.

Prepared by: Planning Dept., 990426

turnrad.dgn

# APPENDIX 4: FRONT-END COLLECTION SPECIFICATION



## APPENDIX 5: GARBAGE AND RECYCLING RECEPTACLE DIMENSIONS

### RECYCLING RECEPTACLES

Receptacle Type	Width (metres)	Height (metres)	Depth (metres)
3 Cubic Yard Bin	2.03	1.24	1.07
4 Cubic Yard Bin	2.03	1.07	2.01
6 Cubic Yard Bin	2.03	1.36	2.03
Semi-automated Cart	0.670	1.10	0.854

### GARBAGE RECEPTACLES

Receptacle Type	Width (metres)	Height (metres)	Depth (metres)
3 Cubic Yard Bin	2.03	1.24	1.07
4 Cubic Yard Bin	2.03	1.07	2.01
6 Cubic Yard Bin	2.03	1.36	2.03

# APPENDIX 6: ACKNOWLEDGEMENT AND RELEASE FOR PRIVATE PROPERTY WASTE COLLECTION SERVICES



## Acknowledgement and Release for Private Property Waste Collection Services

New Submission     Renewal

1. In consideration of the Regional Municipality of Peel (hereinafter the "Region") providing a waste collection service,  
\_\_\_\_\_ (hereinafter the "Owner") being the registered Owner of  
\_\_\_\_\_ (hereinafter the "Lands") shall:

- a) Permit the Region and its employees, contractors and authorized agents entry onto the land for purposes of providing waste collection services; and
- b) Release, save harmless and indemnify the Region from all actions, causes of actions, damages, liability, fines, proceedings, claims and demands arising as a result of the Region and its employees, contractors and authorized agents utilizing the Lands, including but not limited to, the driveway, ramp, loading and parking areas of the Lands for purposes of providing waste collection services, save and except any claims or damages attributable to the negligence of the Region or those for whom it is in law responsible.

2. It is herein acknowledged by the Owner that the Region's waste collection from the Lands is conditional on:

- a) The Owner providing free and clear access to a collection point determined satisfactory by the Region's Commissioner of Environment, Transportation and Planning Services for these purposes. The Owner's proposed route of access for collection purposes as set out on a plot plan of the building and parking lot which is attached hereto;
- b) The Owner utilizing waste containers approved by the Region's Commissioner of Environment, Transportation and Planning Services;
- c) The Owner maintaining all compaction equipment containers in good and operable condition including regularly cleaning and sanitizing containers;
- d) All designated waste being set out for collection in approved containers no later than 7:00 a.m. on the designated collection day.
- e) The Owner or its agents moving containers during collection if so required. The Region will not be responsible for emptying containers that are inaccessible to the collection vehicle;
- f) The Owner maintaining garbage enclosures in a safe, clean, sanitary, odor free and tidy condition, including cleaning and sanitizing enclosures on a weekly basis or more frequently as required. Garbage and recyclable materials are to be placed in appropriate containers. Cardboard is to be broken down and placed within appropriate recycling containers or bundled according to the Region's Waste Collection By-law;
- g) The collection area being signed, kept clear of parked vehicles, bulky items and white goods (all as defined in the Region's Waste Collection By-law);
- h) The collection area being fully cleared of snow and ice and salted during winter months;
- i) The Owner notifying and obtaining approval from the Region prior to making any changes that will affect waste collection services, including but not limited to moving or making changes to waste collection points and adding or changing garbage containers;
- j) The Owner ensuring that all tenants or unit owners have equally convenient access to recycling and garbage collection containers and/or systems;
- k) The Owner conducting daily examination of garbage and recycling containers to:
  - i) correct and/or prevent overflow problems;
  - ii) to remove contaminants from recycling containers;
  - iii) to correct and/or prevent recyclable materials from being mixed with garbage.
- l) The Owner attaching and maintaining labels provided by the Region to recycling containers;
- m) The Owner placing and maintaining information posters provided by the Region describing the Region's recycling program in common areas, including chute rooms, waste drop-off locations, lobby, mail room and laundry room of the complex;
- n) The Owner distributing recycling bags provided by the Region to all tenants or unit owners and contacting the Region for replacements as required;
- o) The Owner notifying tenants or unit owners, in writing, of the current recycling program within the complex. Notice must be kept up to date, redistributed regularly and be provided to all new tenants or unit owners; and,
- p) The Owner including the requirement to recycle in all tenant leases or condominium packages.

# APPENDIX 6: ACKNOWLEDGEMENT AND RELEASE FOR PRIVATE PROPERTY WASTE COLLECTION SERVICES

3. The Owner further acknowledges the Region's waste collection service is limited to:
  - a) Waste collection service on such days as designated by the Region's Commissioner of Environment, Transportation and Planning Services;
  - b) Garbage, recyclable materials, household organics, yard waste, bulky items and white goods (all as defined in the Region's Waste Collection By-law) , as designated by the Region's Commissioner of Environment, Transportation and Planning Services;
  - c) White goods (as defined in the Region's Collection By-law) shall be collected subject to scheduling and notice to be provided by the Owner to the Region one week prior to pick up.
4. The Owner further acknowledges that the Region shall not collect garbage generated from building renovations, apartment fires and parking lot sweepings. All materials to be collected must be in accordance with the Region's Waste Collection By-law.
5. This Agreement may be terminated immediately by the Region, upon the Owner failing to perform or comply with any of the conditions or restrictions as provided for herein. If any of the conditions or restrictions are not complied with, the Region shall not be required to provide waste collection to the Owner. The Region shall send a notice of termination to the Owner within 48 hours of the termination of the Agreement. The Owner hereby agrees that they shall not make any claims or demands for costs or damages as a result of the termination.
6. The Owner may terminate this Agreement upon providing the Region with 60 days written notice of termination.
7. Any notice which the Region or the Owner is required to give pursuant to this Agreement shall be given at:

Owner: \_\_\_\_\_

Region: The Regional Municipality of Peel  
Commissioner of Environment, Transportation and Planning Services  
10 Peel Centre Drive  
Brampton, Ontario L6T 4B9

If We have authority to bind the Corporation.

Company Name: \_\_\_\_\_

Per: \_\_\_\_\_ Name: \_\_\_\_\_ Title: \_\_\_\_\_

Per: \_\_\_\_\_ Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature/Authorization: \_\_\_\_\_ Signature Date: \_\_\_\_\_  
(YYYYMMDD)

Regional Municipality of Peel  
Waste Collection and Processing  
7795 Torbram Road  
Brampton, Ontario L6T 0B6

V-12-227 07/06

White - Originator      Canary - Applicant

# APPENDIX 7: APPLICATION FOR PRIVATE PROPERTY WASTE COLLECTION SERVICES



## Application for Private Property Waste Collection Services

New Submission     Change (Specify): \_\_\_\_\_ Date    /   /     
Y Y Y Y    M M    D D

The undersigned requests the extended "on-site" waste collection service(s) as provided by the Region of Peel, Public Works Department, Waste Management Division

**Please indicate which service you require:**

<input type="checkbox"/> Front-End Garbage Collection	<input type="checkbox"/> Curbside Collection
<input type="checkbox"/> Semi-Automated Recycling Collection	<input type="checkbox"/> Front-End Recycling Collection
<input type="checkbox"/> Other (Specify): _____	

Applicant \_\_\_\_\_ Property Owner \_\_\_\_\_

Address of Owner \_\_\_\_\_

City \_\_\_\_\_ Postal Code \_\_\_\_\_ Phone Number \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

E-Mail Address \_\_\_\_\_ Cell Number \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

**Collection is requested at:**

Name of Property \_\_\_\_\_ Contact \_\_\_\_\_

Address \_\_\_\_\_ Phone Number \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

**Details of Location:**

Building Type \_\_\_\_\_ Site Plan Application Number \_\_\_\_\_

Number of Units \_\_\_\_\_ Number of Floors \_\_\_\_\_

Condominium     Yes     No    Rental Units     Yes     No

Owned and Rental Units     Yes     No    Peel Housing Corporation     Yes     No

Number of Pick-Up Locations \_\_\_\_\_

**Garbage Containers (for Front-End Garbage Collection Service Only)**

Number	Size (cubic yards)	Wheeled / Stationary	Compacted?
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No



# APPENDIX 7: APPLICATION FOR PRIVATE PROPERTY WASTE COLLECTION SERVICES

### Recycling Containers (for Semi-Automated or Front-End Recycling Collection Service Only)

Number	Size	Wheeled / Stationary

### Enclosures (for Front-End Garbage, Semi-Automated Recycling and/or Front-End Recycling Collection Service only)

Number	Size

Garbage Disposal Location: (check the one that applies)

- Chute on every floor
- Residents bring to ground level / outside
- Chute and Ground Level
- Other (specify): \_\_\_\_\_

Recycling Deposit Location: (check the one that applies)

- Chute on every floor
- Chute and Recycling Room
- Recycling Containers on each floor
- Recycling Room
- Recycling Underground
- Recycling Outdoors
- Other (specify): \_\_\_\_\_

#### Important Information

- Collection area to be signed and kept clear of parked vehicles
- Collection area must be fully cleared of snow and ice and salted during winter months
- Do not place bulky items and white goods (both as defined in the Region's Waste Collection By-law) in front of containers
- Regularly clean and sanitize containers
- All waste must be set out at the collection point for pick up before 7:00 a.m. on your scheduled collection day

**Note:** Requests will not be processed unless the attached general release form is signed and sealed. All applicants must provide a reduced site plan.

#### For Office Use Only

Application Inspected By \_\_\_\_\_ Date of Inspection     /     /      
Y Y Y Y    M M    D D

Service Start Date     /     /        Zone \_\_\_\_\_    Call-ahead required     Yes     No  
Y Y Y Y    M M    D D

Garbage Collection Days \_\_\_\_\_    White Goods Collection Day \_\_\_\_\_

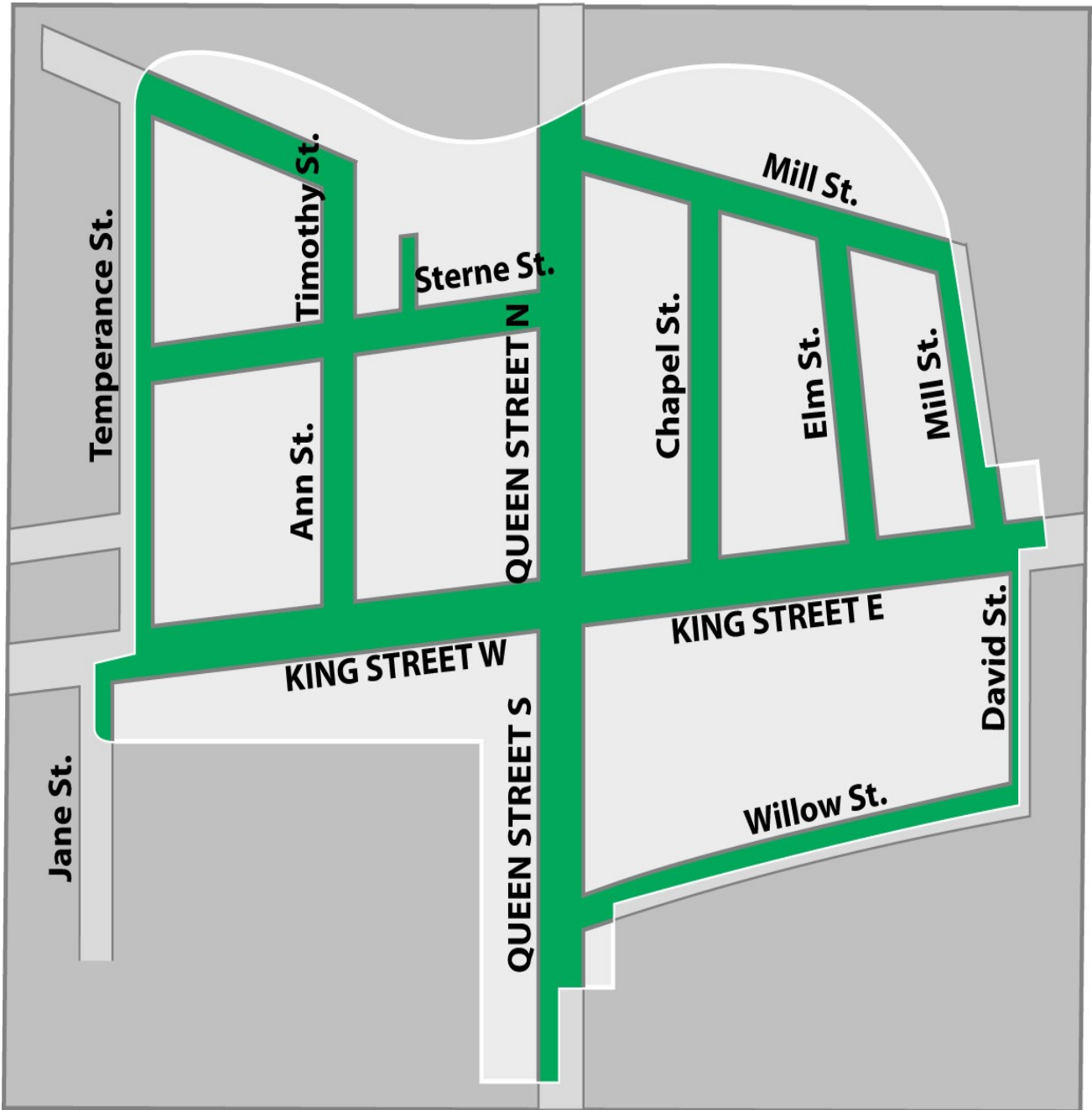
Recycling Collection Days \_\_\_\_\_    Bulky Items Collection Day \_\_\_\_\_

#### Comments

Public Works Department, Waste Management Division, 7795 Torbram Rd., Brampton, ON L6T 0B6

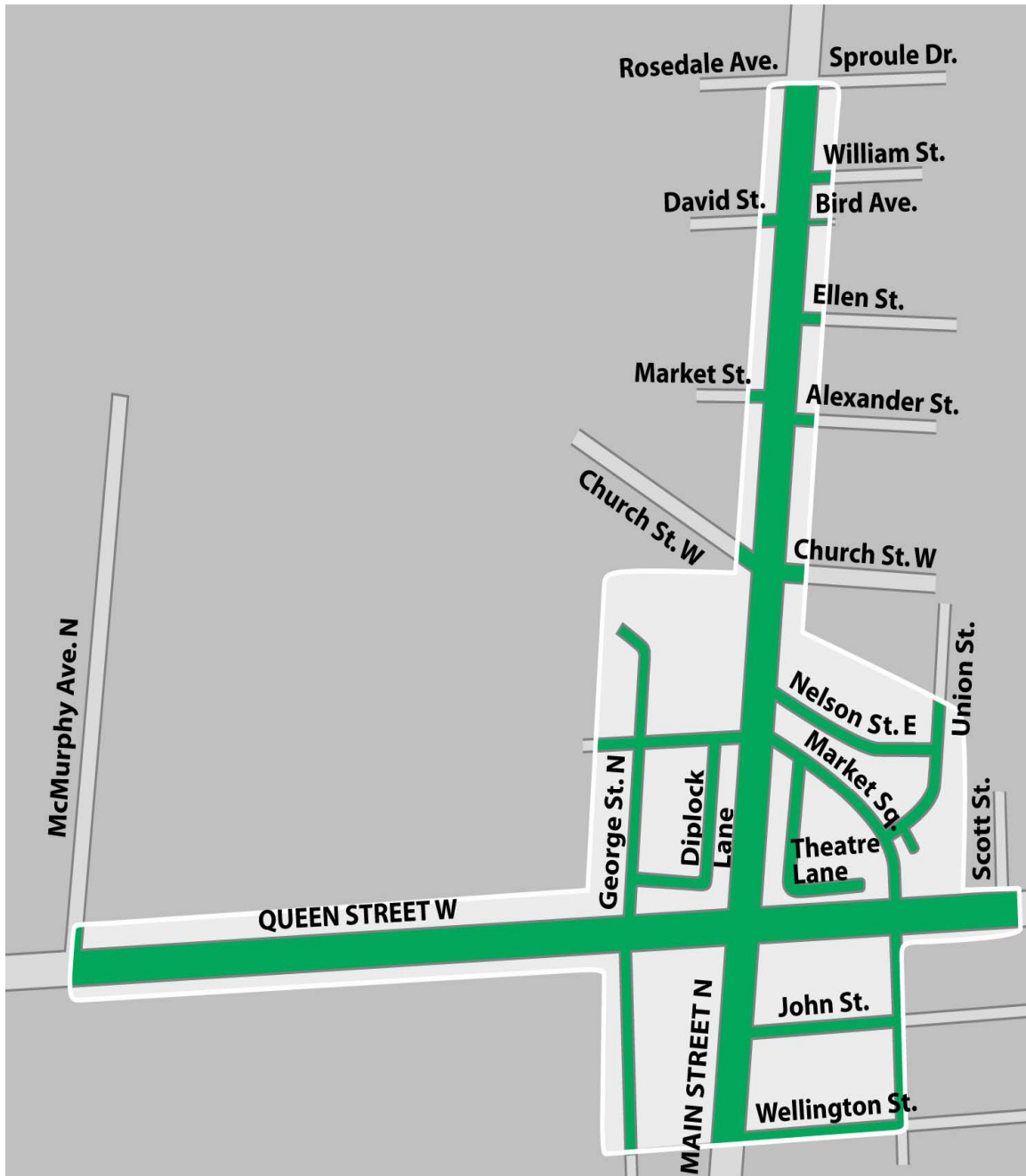


**Bolton Business Improvement Area Boundaries**



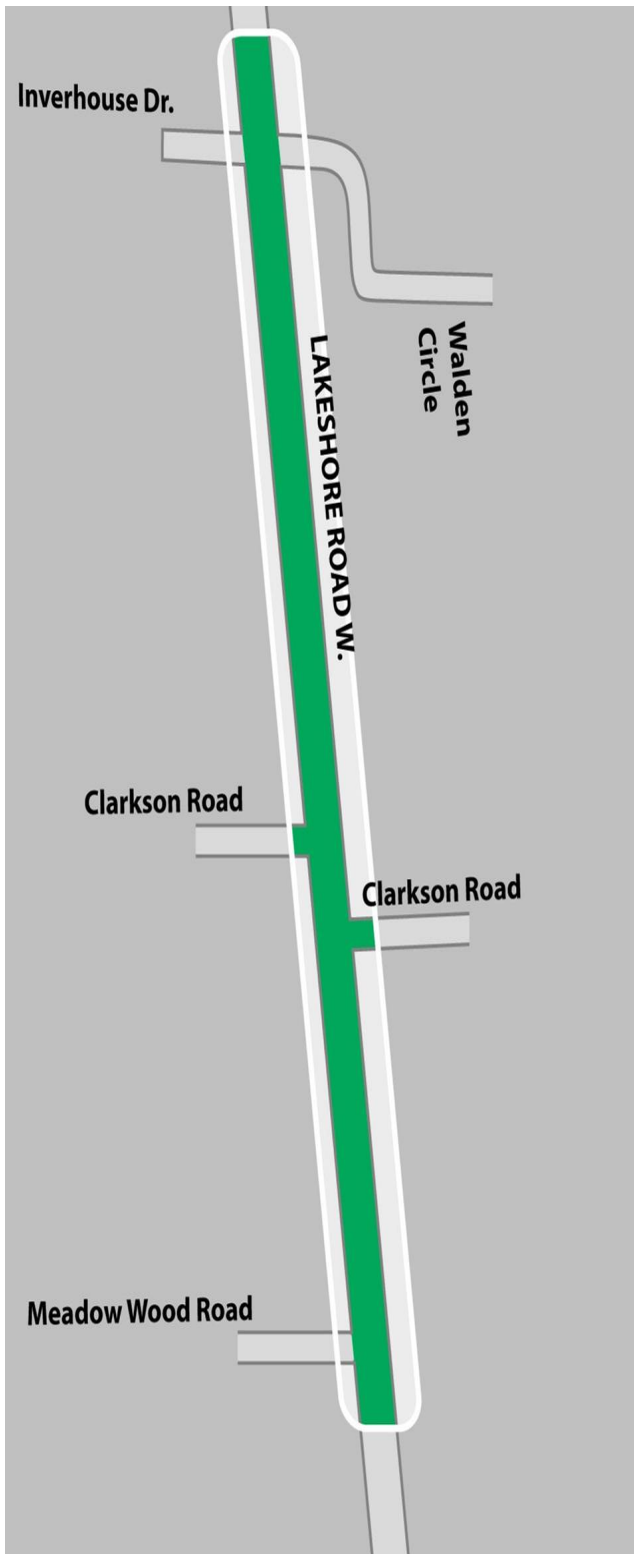
APPENDIX 8: BUSINESS IMPROVEMENT AREA BOUNDARIES

**Brampton Business Improvement Area Boundaries**



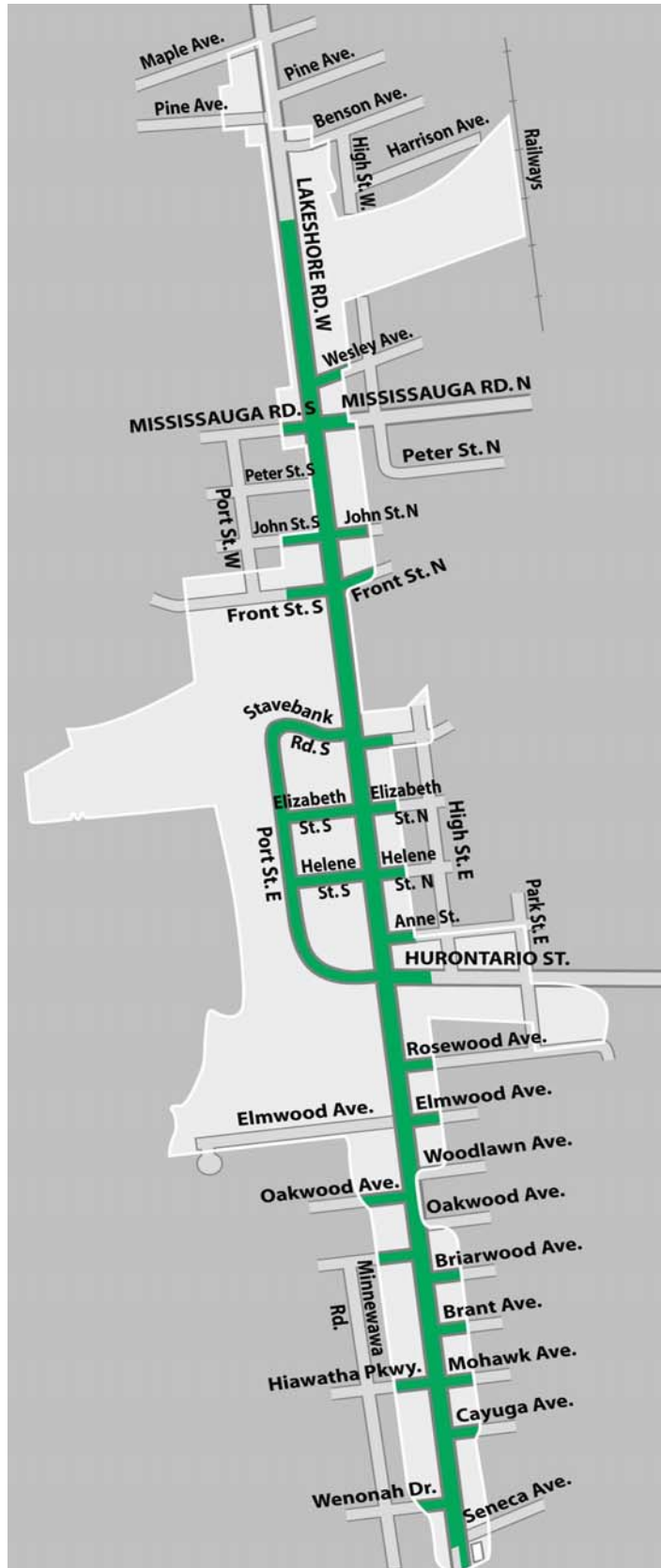
APPENDIX 8: BUSINESS IMPROVEMENT AREA BOUNDARIES

**Clarkson Business Improvement Area Boundaries**



APPENDIX 8: BUSINESS IMPROVEMENT AREA BOUNDARIES

**Port Credit Business Improvement Area Boundaries**



APPENDIX 8: BUSINESS IMPROVEMENT AREA BOUNDARIES

**Streetsville Business Improvement Area Boundaries**

