

Waste Collection Design Standards Manual

2020



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Acronyms, Abbreviations and Definitions

The definitions set out below apply to this Waste Collections Design Standards Manual and are defined in the Region of Peel’s Waste Collection By-law Number 35-2015. In the event of discrepancy between the two, the By-law will prevail.

Terminology	Definition
Agencies, Boards, Commissions and Departments (ABCDs)	The buildings and facilities occupied by the Region and Area Municipalities which receive Waste Collection as provided by the Region including, but are not limited to: <ol style="list-style-type: none"> City/Town Halls; recreation centres; libraries, etc.; and buildings occupied by the local conservation authorities.
Area Municipality(ies)	The municipality of the City of Mississauga, the City of Brampton, or the Town of Caledon.
Automated Collection Method	The collection of Waste or Recycling from Carts using a Fully-Automated or Semi-Automated Waste Collection system and does not include the manual emptying of Carts.
Biomedical Waste	Human anatomical Waste, animal Waste, non-anatomical Waste, other Waste and cytotoxic Waste that is generated by: <ol style="list-style-type: none"> human health care and residential facilities; or animal health care facilities; or medical research and teaching establishments; or veterinary research and teaching establishments, and includes, but is not limited to, tissue, organs, body parts, blood and blood products, body fluids, human or animal cultures, stocks or specimens, live or attenuated viruses, cell lines, sharps and broken glass.
Biweekly	The collection of specified Waste material Set-out at the Curbside for collection once every two weeks on the Scheduled Collection Days.
Bulky Item	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 of Public Works, and which also includes, but is not limited to, the items listed in Schedule “A” of the Waste Collection By-law.

Terminology	Definition
Business Improvement Area (BIA)	An area designated by municipal By-law under the Municipal Act, 2001 S.O. 2001, c.25, or any successor legislation, by the City of Mississauga, the City of Brampton, or the Town of Caledon, and which includes Dwelling Units and places of business as set out in the areas defined in <i>Appendix 12</i> of this Manual.
Cart	A container, approved by the Commissioner of Public Works, that is provided to Occupants by the Region and is designated for Fully-Automated or Semi-Automated Waste Collection and that remains the property of the Region throughout the life of the Cart.
Collection Point	<p>A location designated by the Commissioner of Public Works for the Set-out and collection of Bulky Items, Garbage, Source Separated Organics, Recyclable Materials, and Yard Waste, and which includes:</p> <ul style="list-style-type: none"> a) a location 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; b) a Common Collection Area; c) a Concealed Collection Point; and d) an Indoor Collection Point.
Commercial	A property used for retail or service establishments, commercial recreational purposes, entertainment purposes or offices, and which includes non-residential property and non-Institutional property.
Commissioner or Commissioner of Public Works	The Commissioner of Public Works for The Regional Municipality of Peel, or his or her designate, authorized to act on his or her behalf.
Common Collection Area	A Collection Point shared by multiple occupants of a Multi-Residential Complex or a Mixed-Use Building.
Compactor	Waste management mechanical machinery used to reduce the volume of Waste by applying force to density the Waste material in a compact form.
Concealed Collection Point	A Collection Point with a permanent three-sided structure without a roof for the purpose of concealing externally-stored Waste, Front-End Bins, Carts and Bulky Items. The gates on the Concealed Collection Point must swing open to a minimum of 135 degrees and must be capable of being secured in an open position.

Terminology	Definition
Contractor	Any individual, firm, company or corporation, and the employees of any such individual, firm, company or corporation, with whom the Region has entered into an agreement for the collection of Waste.
Council	The Council of The Regional Municipality of Peel.
Curbside Collection	The collection of Waste Set-out in a Garbage Cart, Recycling Cart or an Organics Cart from a Collection Point.
Developer	A person who undertakes building a Development.
Development	<ul style="list-style-type: none"> a) construction, erection or placing of one or more buildings or structures on land; or b) the making of an addition or alteration to a building or structure that has the effect of substantially increasing the size or usability thereof; or c) the laying out and establishment of a Commercial parking lot or of sites for the location of three or more trailers as defined in subsection 164 (4) of the Municipal Act, 2001.
Dwelling Unit	A place of residence designed, or intended, for habitation by one or more persons with its own culinary and sanitary facility(ies), which are provided for the exclusive use of the person or persons who reside therein and includes Live-Work Units.
Fiveplexes	A structure of five co-joined Dwelling Units.
Fourplexes	A structure of four co-joined Dwelling Units.
Front-End Bin(s)	<ul style="list-style-type: none"> a) a fully covered, water-tight metal container with a lid capable of being locked to the body of the container and with a capacity of no less than 1.5 cubic metres (2 cubic yards) and no greater than 4.5 cubic metres (6 cubic yards), which is compatible with the Region's Contractors Waste Front-End Collection vehicles; or b) such other containers, in good working order as determined by the Commissioner to be acceptable for setting out Recyclable Materials or Garbage.
Front-End Collection	The collection of Waste by means of a front-end Waste Collection Vehicle.
Fully-Automated Waste Collection	The use of a Waste Collection Vehicle that utilizes an automated mechanism to collect and dump Carts, thereby eliminating the need to manually lift and dump the contents of a Cart into a Waste Collection Vehicle.

Terminology	Definition
Garbage	Waste other than Recyclable Materials, Source Separated Organics, Hazardous Waste, White Goods, Bulky Items, Yard Waste and Non-Complying Waste.
Garbage Cart	A reusable Cart with a grey lid supplied by, and the property of, the Region for the Collection of Garbage as: <ul style="list-style-type: none"> a) a small wheeled 120 litres (32 US gallons) Cart; b) a medium wheeled 240 litres (64 US gallons) Cart; c) a large wheeled 360 litres (95 US gallons) Cart; or d) such other volume capacity Cart as determined by the Commissioner as acceptable.
Garbage Receptacle	<ul style="list-style-type: none"> a) a Garbage Cart; b) Front-End Bins or any other containers designated by the Commissioner for the collection of Garbage at Multi-Residential Complexes or in Business Improvement Areas; or c) a non-returnable plastic bag with: <ul style="list-style-type: none"> i. a width no greater than 66 centimetres (26 inches); ii. a height no greater than 90 centimetres (36 inches); iii. the capability of being securely closed or tied when filled; iv. strength to support, without tearing, a weight of no more than 20 kilograms (44 pounds) when lifted; v. a width no smaller than 30 centimetres (12 inches); and vi. a height no smaller than 30 centimetres (12 inches); and does not include a Recycling Cart, Yard Waste Receptacle or a Source Separated Organics Cart.
Hazardous Waste	Waste that has the meaning attributed to it in R.R.O, 1990 Regulation 347, as amended.
Home Health Care Waste	The item referred to in Schedule “C” in the Region’s Waste collection By-law and waste material that was used for personal home health care.
ICI	Industrial, Commercial and Institutional sectors.
Indoor Collection Point	A Collection Point located within or below a structure that has been approved by the Commissioner of Public Works for the Set-out and collection of Bulky Items, Garbage, Source Separated Organics, Recyclable Materials, White Goods and Yard Waste.
Industrial	Properties and Developments zoned as Industrial.

Terminology	Definition
Industrial or Commercial Waste	Waste originating from: <ul style="list-style-type: none"> a) any business; b) an enterprise or activity involving warehousing, storage or Industrial, manufacturing or Commercial processes or operations; c) research or experimental enterprise or activity; d) an enterprise or activity where goods or materials are kept for sale, or offered for sale, to the general public; e) hotels or motels; f) clinics that provide medical, cosmetics surgery, dental or veterinary diagnosis or treatment; g) laboratories or hospitals; or h) construction or demolition projects, or large home renovations.
Institution(al)	Developments on properties with in-effect Institutional zoning designation.
Institutional Waste	Includes, but is not limited to, Waste generated in a building that is a Non-Profit Community Agency, such as seniors' home, group home, Licenced Lodging House, Place of Worship, day care, community shelter, school, or community college and university residence, Regional or Area Municipality property, or the property of the Crown in Right of Ontario or the Crown in Right of Canada or any other emanations thereof, and any other facilities as designated by the Commissioner.
Jockeying of Front-End Bins	Manually positioning one Front-End Bin at a time for a Waste Collection Vehicle to collect the contents.
Licensed Lodging House	A house or building, or portion of these, approved by a municipality, where: <ul style="list-style-type: none"> a) four or more people are living; and b) where the occupants do not have exclusive access to kitchen facilities and all habitable areas of the building; and c) does not include a hotel, hospital, nursing home, home for the young or the aged; or d) an Institution of a hotel, hospital or home.
Litter	Debris, refuse, or Waste discarded outside the regular Collection Point or lying scattered about the area.

Terminology	Definition
Live-Work Unit	A Dwelling Unit used partly for residential purposes and partly for Commercial or Institutional activities.
Local Board	A local board as defined in the Municipal Affairs Act, R.S.O 1990, c. M.46, or any successor legislation insofar as its authority may be exercised by the Region.
Long-Term Care Institution	A nursing home, convalescent home, skilled nursing facility, care home, rest home or intermediate care that provides a type of residential care.
Manual Collection	The manual tipping of waste into waste collection vehicle. Manually collected waste in the Region includes: <ul style="list-style-type: none"> • Bulky items; • Yard Waste; and • Overflow Waste
Mixed Use Building	A building or structure comprised of a combination of Dwelling Units, and/or Live-Work Units and/or Commercial and Institutional establishments.
Multi-Residential Complex	Apartment building, condominium complex, complex, co-op complex, Licensed Lodging House or other similar residential complex containing more than six (6) self-contained Dwelling Units, or any combination thereof.
Municipal Road	A road allowance, street, lane or thoroughfare that is maintained by the Region or an Area Municipality.
Non-Complying Waste	The items referred to as Non-complying Waste in Schedule “E” of the Region’s Waste Collection By-law.
Non-Profit Community Agency	A non-profit organization that is classified as such by the Canada Revenue Agency, or its successor, that: <ol style="list-style-type: none"> a) is involved in programs that assist or improve the quality of life in the Region; and b) carries out activities without gain that perform a function of benevolence, vocational training or charity; or c) organizes community activities such as: <ol style="list-style-type: none"> a. Agricultural fairs; b. parades; c. festivals; and/or d. Celebrations that allow for unrestricted public access, such as: <ol style="list-style-type: none"> i. Canada Day picnics; ii. Multi-Cultural Day celebrations; and iii. Communities in Bloom events.

Terminology	Definition
Non-Residential	Properties with in-effect zoning permitting uses other than residential.
Occupier(ant)	<p>An occupier as defined in the Occupiers' Liability Act, R.S.O. 1990, c.O.2,:</p> <ul style="list-style-type: none"> a) a person who is in physical possession of a premise; or b) a person who has responsibility for, and control over: <ul style="list-style-type: none"> a. the condition of a premise; or b. the activities there carried on; or c. control over persons allowed to enter the premise; and c) includes, but is not limited to: <ul style="list-style-type: none"> a. property managers; b. property superintendents; c. facility custodians; and d. tenants <p>even though there is more than one Occupant of the same premise.</p>
Owner	A person who is an owner of any land or building, which includes, but is not limited to, Developers.
Place of Worship	A Development where individuals or groups of people gather to perform acts of devotion, veneration or religious study and which includes temples, churches and mosques.
Private Property	Any land or building that is privately owned, and is not owned by an Area Municipality, 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.
Private Road	Any road that is not owned or maintained by an Area Municipality, a local board, the Region, or the Crown in Right of Ontario, the Crown in Right of Canada or any emanations thereof.
Public Property	Any land or building that is owned by an Area Municipality, a local board, the Region, or the Crown in Right of Ontario, the Crown in Right of Canada or any emanations thereof.
Recycling Cart	<p>A reusable Cart with a blue lid supplied by, and the property of, the Region for the Collection of Recyclable Materials as described below:</p> <ul style="list-style-type: none"> a) a small wheeled 120 litres (32 US gallons) Cart; b) a medium wheeled 240 litres (64 US gallons) Cart; c) a large wheeled 360 litres (95 US gallons) Cart; or d) such other volume capacity Cart as determined by the Commissioner as acceptable.

Terminology	Definition
Recyclable Materials	Any waste or material, designated by the Commissioner for the Region’s recycling program, and which includes but is not limited to, the items referred to in Schedule “G” of the Waste Collection By-law and any other Waste identified as recyclable by the Region as determined by the Commissioner.
Recycling Receptacle	<ul style="list-style-type: none"> a) a Recycling Cart; b) Front-End Bin; or c) a clear or transparent blue or colourless plastic bag no larger than 76.2 centimetres (30 inches) wide and 90 centimetres (36 inches) in length and capable of supporting a weight of no more than 20 kilograms (44 pounds).
Region	The Regional Municipality of Peel.
Residential Area	Land with in-effect residential zoning designation.
Residential Unit	<p>A self-contained residential Dwelling Unit permitted by law that is a:</p> <ul style="list-style-type: none"> a) single-detached residence; b) semi-detached residence; c) unit in a Duplex, Triplex, Fourplex, Fiveplex or Sixplex; or d) unit in an apartment building, condominium complex, Townhouse complex, co-op complex, licensed lodging house or other similar residential complex; <p>but does not include a hotel, motel, or a restaurant.</p>
Residential Waste	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, Bulky Items, White Goods, Source Separated Organics, Garbage, Wood Waste, Yard Waste and Recyclable Material.
Scheduled Collection Day	A day of residential, BIA and ABCD Waste Collection for a particular geographical area within the Region, as determined by the Commissioner.
Set-out	To place, cause or permit the placement of Waste at a Collection Point on Private Property or Public Property for the purpose of collection.

Terminology	Definition
Semi-Automated Waste Collection	A method of collecting Recyclable Materials, Garbage, or Source Separated Organics using a Garbage, Recycling or Source Separated Organics Cart equipped with wheels, which is compatible with the equipment used by the Region’s Contractor for the provision of Waste Collection where the operator may leave the vehicle to place Waste Collection receptacles for mechanical lifting into a Waste Collection Vehicle.
Semi-Detached Dwelling	A pair of Dwelling Units joined side-by-side or back-to-back, sharing a common wall.
Single-Detached Dwelling	A Dwelling Unit not physically attached to other structures.
Site Plan	The process by which Area Municipalities consider the design and technical aspects of a proposed Development and examine the proposal to ensure compliance with all municipal land use requirements, standards and objectives, including the requirements of the Waste Collection By-law and this Manual.
Sixplexes	A structure of six co-joined Dwelling Units.
Small Business(es)	An establishment used for Commercial, retail, recreational, entertainment, or office purposes of less than 500 square metres in area.
Source Separated Organics (SSO)	Materials of plant or animal origin including kitchen food waste and any other organic material collected separately for the purpose of processing, including but not limited to composting into a beneficial use product, as determined by the Commissioner and identified in Schedule “F” of the Waste Collection By-law.
Source Separated Organics Cart	<ul style="list-style-type: none"> a) a reusable container with the capacity of 100 litres (32 US gallons) supplied by, and the property of, the Region for the weekly collection of Source Separated Organics; b) a container, which is a Compostable Bag, that is purchased by the Occupier; or c) such other container determined by the Commissioner as acceptable for Set-out of Source Separated Organics for collection.
Stacked Townhouses	A Townhouse Development containing two to five self-contained Dwelling Units, built upon one another.

Terminology	Definition
Triplexes	A structure of three co-joined Dwellings Units.
Townhouse	A row of co-joined Dwelling Units.
T-turnaround	T-shaped area that allows Waste Collection Vehicles to reverse through a three - point turn (<i>Refer to Appendix 3</i>).
Turning Radius	The minimum radius required for a Waste Collection Vehicle to turn around (<i>See Appendices 1-2</i>).
Waste	Anything discarded from any source, including, but not limited to: <ul style="list-style-type: none"> a) Garbage; b) Recyclable Materials; c) Source Separated Organics; d) White Goods; e) Bulky Items; f) Yard Waste; and g) which does not include Hazardous Waste or Non-Complying Waste.
Waste Collection	The act of collecting Waste Set-out at a Collection Point Front-End Collection, Semi-Automated Waste Collection or Fully-Automated Waste Collection. Manually collected waste in the Region includes: <ul style="list-style-type: none"> • Bulky items; • Yard Waste ; and • Overflow Waste
Waste Collection By-law	The ordinance (By-law Number 35-2015) of the Regional Municipality of Peel enacted to regulate the collection of Waste in the Cities of Brampton and Mississauga and the Town of Caledon.
Waste Collection Vehicle (Collection Vehicle)	A vehicle specially designed to collect Waste.
Waste Management Division	The division within the Regional Municipality of Peel that provides services for the planning and operation (collection, processing and disposal) of residential waste within the City of Brampton, City of Mississauga, and the Town of Caledon.
Waste Management Staff	An employee(s) of the Regional Municipality of Peel Waste Management Division.

Terminology	Definition
Waste Storage Room	An indoor room within a Multi-Residential Complex for the purpose of storing Bulky Items, Front-End Bins and Carts.
White Goods	The items referred to as White Goods in Schedule “H” of the Waste Collection By-law, and any other Waste material identified as White Goods by the Region as determined by the Commissioner.
Wood Waste	The items referred to as Wood Waste in Schedule “I” of the Waste Collection By-law, and any other Waste material identified as Wood Waste by the Region as determined by the Commissioner.
Yard Waste	The items referred to as Yard Waste Collection By-law and any other Waste material identified as Yard Waste by the Region as determined by the Commissioner.
Yard Waste Receptacle	<ul style="list-style-type: none"> i. A labelled, open, and reusable rigid container having: <ul style="list-style-type: none"> a. rigid handles that are attached or moulded to the exterior of the container; b. a capacity of less than 125 litres (33 U.S. gallons); c. an external width no greater than 60 centimetres (24 inches); d. an external height no greater than 95 centimetres (38 inches); e. the top of the container that is larger than the bottom of the container; and f. the capability of supporting a weight of 20 kilograms (44 pounds); or ii. A kraft paper bag specifically designed for Yard Waste and with: <ul style="list-style-type: none"> a. a width no greater than 66 centimetres (26 inches); b. a height no greater than 90 centimetres (35 inches); c. the capability to be securely closed or tied when filled; and d. the durability to support, without tearing, a weight of 20 kilograms (44 pounds) when lifted; or iii. A re-usable bushel basket capable of supporting 20 kilograms (44 pounds) when lifted; or iv. Such other container designated by the Commissioner as acceptable to Set-out Yard Waste for collection.

Waste Collection Design Checklist

Developers may use this checklist summary to review the Region’s Waste Collection Design Standards requirements as defined throughout this Manual. Refer to this Checklist below prior to submitting Site Plans for the proposed Development to the Area Municipalities for Site Plan Approval (SPA) review.

Ensure that the following are clearly identified on Site Plan drawings.

1. Site Access And Exit		
<input type="checkbox"/>	Turning Radius	<ul style="list-style-type: none"> • Turns must have a minimum of a 13 metre Turning Radius for Waste Collection Vehicles. • Turning Radius for all turns must be labelled on Site Plan.
<input type="checkbox"/>	Roadway width	<ul style="list-style-type: none"> • All roads must be a minimum of 6 metres to allow unrestricted movement of Waste Collection Vehicles, even with vehicles parked on both sides of the road. • Roads must be designed to support a minimum of 35 tonnes, the weight of a fully loaded Waste Collection Vehicle.
<input type="checkbox"/>	Grading	<ul style="list-style-type: none"> • The maximum grade along the Waste Collection Vehicle access route is 8 percent.
<input type="checkbox"/>	Head-on approach	<ul style="list-style-type: none"> • Waste Collection vehicles require a minimum head-on approach of 18 metres.
<input type="checkbox"/>	Access	<p>The Waste Collection Vehicle is not permitted to:</p> <ul style="list-style-type: none"> • reverse in excess of 15 metres; • turn while reversing; or • reverse onto a municipal roadway.
<input type="checkbox"/>	Road layouts	<ul style="list-style-type: none"> • Road layouts are designed to permit a Waste Collection Vehicle to drive forward without reversing for Waste Collection. • Where the requirement for a road layout permitting forward movement of a Waste Collection Vehicle cannot be met, a Cul-de-sac or a T-turnaround is required in accordance with the specifications shown in <i>Appendices 2 and 3</i>, respectively.
<input type="checkbox"/>	Overhead clearance (outside of Collection Point)	<ul style="list-style-type: none"> • Outside of the Collection Point, a clear height of 4.4 metres from the top of the access road, along the Waste Collection Vehicle access and egress route is provided. • The clearance height of 4.4 metres is free of obstructions such as sprinkler systems, ducts, wires, trees or balconies.

1. Site Access And Exit		
<input type="checkbox"/>	Certified letter	<ul style="list-style-type: none"> • If a Waste 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 indicating that the structure can safely support a fully loaded Waste Collection Vehicle weighing 35 tonnes. • The letter must be certified by a professional engineer (licensed by Professional Engineers Ontario (PEO)).

2. Curbside Waste Collection		
<input type="checkbox"/>	Collection Point access	<p>The Collection Point is to be:</p> <ul style="list-style-type: none"> • as close as possible to the travelled portion of the roadway directly adjacent to the Private Property of the dwelling unit Owner; • accessible to the Waste Collection Vehicle; and • free of obstructions such as parked cars.
<input type="checkbox"/>	Collection Point dimensions	<ul style="list-style-type: none"> • The Collection Point along the curb, adjacent to the driveway must be at least 3 square metres (3 metres by 1 metre) or 32 square feet per unit. • Must provide sufficient space for the placement of: <ul style="list-style-type: none"> ○ Garbage; ○ Recycling; ○ Source Separated Organics; and ○ Yard Waste Receptacles. • See <i>Appendix 8</i> for dimensions.
<input type="checkbox"/>	Cart storage	<ul style="list-style-type: none"> • A minimum of 3.75 square metres (2.5 metres by 1.5 metres) with direct access to the collection point must be provided in each unit.

3. Front-End Bins and Carts Entitlement		
<input type="checkbox"/>	Bins, and/or Carts Calculation	<p>To determine the required number of Front- End Bins and/or Carts for:</p> <ul style="list-style-type: none"> • Multi-Residential Complexes and Stacked Townhouses refer to Section 4.1, • Institutional Developments refer to Section 7.0, and • BIAs refer to Section 8.0.
<input type="checkbox"/>	Receptacle labels	<p>Ensure Garbage Receptacles and Recycling Receptacles to be used are labeled in drawings with:</p> <ul style="list-style-type: none"> • the quantity of receptacle; • type of receptacle; and • size of receptacle.

4. Collection Point Requirements		
<input type="checkbox"/>	Concealed Collection Point openings	<ul style="list-style-type: none"> • A 3 metre clearance at the opening is required for a single-bin. • An opening of 6 metres is required for a Concealed Collection Point for two Front-End Bins with two gates. • An opening of 8 metres is required for a Concealed Collection Point for two Front-End bins with four gates.
<input type="checkbox"/>	Bulky Items Storage	<ul style="list-style-type: none"> • The storage space provided for Bulky Items is 10 cubic metres for each Multi-Residential Complex. • The Concealed Collection Point for Bulky Items must (via a dividing wall) be separate from the Concealed Collection Point for Front-End Bins.
<input type="checkbox"/>	Concealed Collection Point gates	<ul style="list-style-type: none"> • A lockable gate is required. • The gates on the Concealed Collection Point must swing open to a minimum of 135 degrees and must be capable of being secured in an open position. • Sliding gates are also permitted.
<input type="checkbox"/>	Collection Point surface	<ul style="list-style-type: none"> • The surface of the Collection Point must have a solid and level (Maximum 2% slope) concrete surface. • The concrete pad must extend a minimum of 1.5 meters in length outside the opening of the Concealed Collection point.
<input type="checkbox"/>	Bollards	<p>Bollards or a concrete curb must be installed at the rear of the Concealed Collection Point to protect it from damage when Front-End Bins are picked up and returned in place by the Waste Collection Vehicle.</p>

4. Collection Point Requirements		
<input type="checkbox"/>	Bulky item storage	Internal Waste Storage Rooms must be a minimum of 10 square metres for the storage of Bulky Items for each Multi-Residential Complex.
<input type="checkbox"/>	Mixed Use Buildings	<ul style="list-style-type: none"> • Must satisfy the Waste Storage Room and Collection Point requirements for Multi-Residential Complexes and Stacked Townhouses of the same number Dwelling Units as set out in Sections 4.1 to 4.2. • If the Mixed-Use Building is within a BIA and includes a Small Business(es) requesting Region Waste Collection services, the Waste Management Division must be consulted.
<input type="checkbox"/>	Overhead clearance	Overhead clearance of 7.5 metres from obstructions such as overhead utility wires, trees or balconies must be provided in the Collection Point.
<input type="checkbox"/>	Indoor Collection Point width	Indoor Collection Point must be a minimum width of 6 metres for the storage of multiple Front-End Bins.
<input type="checkbox"/>	Indoor Collection Point access	There must be an unobstructed distance of a minimum of 18 metres to enable the Waste Collection Vehicle to wholly enter the Indoor Collection Point.

5. Waste Storage Room Requirements		
<input type="checkbox"/>	Walking distance	The maximum walking distance from a Dwelling Unit to the closest Concealed Collection Point must be less than 100 metres.
<input type="checkbox"/>	Accessibility	The waste storage room must be accessible to occupants.
<input type="checkbox"/>	Area	A waste storage room must be of sufficient area to accommodate the required number of Front-End Bins and/or Recycling Carts. It must also provide sufficient area to store Bulky Items.

6. Drawings		
<input type="checkbox"/>	Drawing Scale	A scale must be provided on the Site Plan drawing.
<input type="checkbox"/>	Dimensions	The dimensions on the Site Plan must be relevant to the requirements of this Manual.

1.0 Introduction

1.1 General Information

The following document has been written to assist Owners, Developers and designers with development designs that allow for safe and reliable collection service for separated waste materials and encourages recycling and waste diversion. Developers are responsible for providing a design that supports sufficient, accessible space to accommodate all recyclable materials, garbage, source separate organics (SSO), and vehicle access and ensures current and future building occupants can meet local and regional waste diversion goals and regulations.

The Region of Peel (Region) provides Waste Collection services in accordance with the Region's Waste Collection By-law. The Region provides Waste Collection services to Residential Units, some Institutions, and Small Businesses located within Business Improvement Areas (BIAs) and located within residential neighbourhoods on established residential waste collection routes, provided that they comply with the requirements of the residential collection program, subject to the approval of the Commissioner of Public Works. Eligibility for the Region's Waste Collection services requires compliance with the requirements set out in this Manual.

The Region will not provide Waste Collection services to Industrial, Commercial, and Institutional (ICI) establishments, other than those located within BIAs or established residential waste collection routes. For all other ICI establishments, the Owner is to arrange for a private Waste Collection company to collect Waste.

Refer to the Waste Collection Design Standards Manual Checklist section on page xvii prior to submitting Site Plans to the Area Municipalities for review. For clarification of the terms used in this Manual, please refer to the Acronyms, Abbreviations and Definitions Section on page v.

The requirements set out in this Manual support the Region's 3Rs (Reduce, Reuse, Recycle) diversion goals. Subsequent versions of this Manual will include additional or modified design requirements to complement new diversion programs.

This 2019 version of the Manual replaces the Waste Collection Design Standards Manual approved as Council Resolution 2007-799.

This Manual should be used in addition to, and not in the place of the following:

- all relevant building codes;
- municipal standards;
- municipal By-laws; and
- other applicable legislation.

In the event of discrepancy, the above documents prevail over this Manual.

1.2 Eligibility for Waste Collection

This *Waste Collection Design Standards Manual* sets out the features that must be incorporated into the design of various categories of Developments. The features set forth within this Manual must be met in order for the Region to provide collection of:

- Garbage;
- Recyclable Materials
- Bulky Items;
- Source Separated Organics; and
- Yard Waste.

The role of the Waste Management Division within the Land Development process is to review all Development and redevelopment applications for compliance with this Manual and provide feedback on Development applications to Area Municipalities.

It should be noted that the Region reserves the right to enact additional requirements during a detailed review of Development and redevelopment applications.

All Developments which include Residential Units must comply with the requirements of this Manual in order to receive Waste Collection services by the Region. Private Waste Collection for Developments that include Residential Units will not be permitted unless approved by Council. Developers requesting to use a private Waste Collection company for their Development must submit a letter to the following address:

The Commissioner of Public Works Office
10 Peel Centre Drive, Suite A, 5th Floor
Brampton ON L6T 4B9

If private Waste Collection is approved, the Development cannot re-apply to the Region to receive Waste Collection unless modifications are made to the Development to meet the requirements of the most current Manual or unless Council approves such service.

Failure to comply with the requirements set out in this Manual, and any additional requirements imposed by the Commissioner, will result in a Site Plan not being approved or suspension of Waste Collections services until modifications are made to demonstrate compliance with the requirements set out in this Manual, or as otherwise required by the Commissioner.

1.3 Request to Commence Waste Collection Service

Private Road Developments

For Developments located on a Private Road, the Developer is responsible for Waste Collection and disposal until 90 percent occupancy is achieved.

In all cases where a Region Waste Collection Vehicle is required to enter a Private Property, the Developer must submit the following completed two forms to the Region's Waste Management Division prior to the commencement of Waste Collection:

- Acknowledgement and Release for Private Property Waste Collection Form, and
- Application for Private Property Waste Collection Form

These forms are provided in *Appendices 10 and 11*, respectively in this Manual. The Developer must contact the Region's Waste Management Division at telephone number 905-791-9499 to submit the forms and report 90 percent occupancy, if applicable.

Stacked Townhouses

For Stacked Townhouses, the Developer must submit along with the aforementioned forms, written confirmation that all Owners had received written notification of the location(s) of the Collection Point(s) and/or Waste Storage Room(s) prior to purchase.

Waste Collection Approval

After the required forms and confirmations are received, the Waste Management Division will visit the Development within five to ten business days to determine if the occupancy level has reached 90 percent, if applicable, and will determine, at its sole discretion, if the Development complies with this Manual. If the Development is approved for collection, Waste Collection Services to commence within ten to fifteen business days.

Subdivisions on Municipal Roadways

Residents who have moved into a new development on a municipal roadway must email the Region at the following email address:

wasteinquiry@peelregion.ca

to set up their waste collection service. Residents must ensure that the email includes their name and new address.

2.0 General Requirements

The waste collection design requirements listed in **Table 1** below apply to all categories of Developments.

Table 1: General Requirements for All Developments

Element	Waste Collection Service Design Standards
Road Material	<ul style="list-style-type: none"> Internal roadways must be constructed of a hard surface material, such as asphalt or concrete. Designed to support a minimum of a 35 tonne fully-loaded Waste Collection Vehicle.
Road Layout	<ul style="list-style-type: none"> Road layouts shall be designed to allow a collection vehicle to: <ul style="list-style-type: none"> enter the site; collect the recycling and garbage; and exit without having to reverse. If the above condition cannot be met, a Cul-de-sac or a T-turnaround shall be provided. <p>For detailed drawing specifications refer to:</p> <ul style="list-style-type: none"> <i>Appendix 2 – Cul-de-Sac Specifications and</i> <i>Appendix 3 –T-Turnaround Specifications</i>
Road width	All roads shall be designed to have a minimum width of 6 m.
Turning Radius	The Turning Radius from the centre line must be a minimum of 13 m on all turns.
Grade	The maximum grade permitted along the Waste Collection Vehicle access route is 8 percent.
Reverse Distance	In a situation where a Waste Collection Vehicle must reverse, the maximum back-up distance is 15 m and must not include reversal onto a municipal roadway.
Collection Method	All Dwelling Units in a Development must receive the same method of Waste Collection.
Supported Structures Along Collection Route	If the Waste Collection Vehicle is required to drive onto, or over, a supported structure (e.g., air grate, transformer cover or underground parking garage), the Region must be provided with a letter from a professional engineer (licensed by Professional Engineers Ontario), certifying that the structure can safely support a fully loaded Waste Collection Vehicle weighing 35 tonnes.

3.0 Single-Family Housing

Single-family housing waste collection services applies to:

- Single-Detached Dwellings,
- Semi-Detached Dwellings,
- Townhouses, and
- Multi-Residential Complexes with up to and including six Dwelling Units.

The following curbside waste collection services will be provided to single-family housing Developments:

- Cart based Garbage collected bi-weekly;
- Cart based Recyclable Materials collected bi-weekly;
- Bulky Items collected bi-weekly, on the same schedule as Garbage;
- Cart based Source Separated Organics collected weekly; and
- Yard Waste collected seasonally.

These Waste Collection services are subject to the Developer demonstrating compliance with the requirements of Section 2.0 and Section 4.0 in their site plan submission.

Table 2 describes the Waste Collection design standards that apply to Single-Family housing.



Table 2: Design Requirements for Single-Family Households

Element	Waste Collection Service Design Standards
<p>Storage</p>	<ul style="list-style-type: none"> • A minimum of 3.75 square metres (2.5 metres by 1.5 metres) must be provided in the garage, backyard or side yard for storage of Carts, with direct access to the collection point location. Carts for each unit include: <ul style="list-style-type: none"> ○ Maximum one (1) large Garbage Cart and ○ Maximum one (1) large Recycling Cart; and <ul style="list-style-type: none"> ▪ (360 litres or 95 US gallons) ○ Maximum one (1) Source Separated Organics Cart <ul style="list-style-type: none"> ▪ (100 litres or 32 US gallons)
<p>Collection Point</p>	<ul style="list-style-type: none"> • Each Dwelling Unit within a Development must have its own identifiable Collection Point with dimensions of 3 metres by 1 metre. • The Collection Point must be: <ul style="list-style-type: none"> ○ located along the curb; ○ adjacent to the driveway; ○ Not on a municipal sidewalk ○ must be directly accessible to the Waste Collection Vehicle; and ○ free of obstructions such as parked cars. • The use of Common Collection Areas is not permitted for: <ul style="list-style-type: none"> ○ Single-Detached Dwellings; ○ Semi-Detached Dwellings; ○ Townhouses; and ○ Multi-Residential Complexes up to six Dwelling Units.



4.0 Multi-Residential Complexes

This section applies to:

- Multi-Residential Complexes with more than six Dwelling Units; and
- Stacked Townhouses.

Multi-Residential Complex Developments must be provided with the following Waste Collection services:

- Garbage (twice weekly);
- Recyclable Materials (weekly); and
- Bulky Items (weekly).

The Developer must demonstrate compliance with the requirements set out in Section 2.0 and Section 4.0 in their Site Plan submission.

Table 3 describes the Waste Collection design standards that apply to Multi-Residential complexes.

Table 3: Design Requirements for Multi-Residential Complexes

Element	Waste Collection Service Design Standards
Convenience	<ul style="list-style-type: none"> • The design of Developments must include features that make the Set-out of Recyclable Materials as convenient to each Occupant as that for Garbage.
Drawings	<ul style="list-style-type: none"> • The Collection Point and storage area, including the number and size of Front-End Bin(s) to be used for Garbage and the number, the size and type of Recycling Receptacle(s) (Front-End Bin or Cart), the compactor and chute systems, are to be clearly shown and labelled on drawings (e.g. Site Plan, ground floor plan, waste collection plan). • The drawings must also show the Waste Collection Vehicle's route through the Development and the radius of every turn must be labelled.
Supply of Waste Receptacles	<ul style="list-style-type: none"> • Multi-Residential Complexes and Stacked Townhouses must supply Front-End Bins for Garbage Collection. Recycling Carts or Front-End bins for Recyclable Materials will be provided by the Region.
Approach	<ul style="list-style-type: none"> • A minimum 18 m straight head-on approach to the Collection Point. • This approach is to be level (maximum 2% slope), solid (able to support a 35-tonne collection vehicle) and the same width as the Collection Point.
Overhead Clearance	<ul style="list-style-type: none"> • A minimum clearance height of 7.5 m from the concrete pad must be provided at the Collection Point and must be free of obstructions (e.g. sprinkler systems, ducts, balconies, wires and trees). • Outside the Collection Point, a clearance height of 4.4 m from the top of the access road must be provided along the Waste Collection Vehicle access

Element	Waste Collection Service Design Standards
	and egress route and must be free of obstructions (e.g. sprinkler systems, ducts, balconies, wires and trees).
Accessibility	<ul style="list-style-type: none"> The maximum walking distance from a Dwelling Unit to the closest Concealed Collection Point or storage room must be less than 100 m.
Owner Notification	<ul style="list-style-type: none"> Developers will be required to inform prospective Owner(s) of the location of the Concealed Collection Point(s) in: <ul style="list-style-type: none"> Agreements of Purchase and Sale, a written contract between a seller and a buyer for the purchase and sale of a particular property; and The Condominium Declaration and Description, also sometimes known as Master Deed, is a fundamental document that establishes the existence of and further governs the use and maintenance of a condominium property.

4.1 Garbage and Recycling Receptacle Requirements for Multi-Residential Complexes

Multi-Residential Complexes and Stacked Townhouses with less than 60 Dwelling Units must set-out Front-End Bins for Garbage and Carts for Recyclable Material. Multi-Residential Complexes and Stacked Townhouses with 60 or more Dwelling Units must set-out Front-End Bins for Garbage and Front-End Bins for Recyclable Material. *Refer to Appendix 6 for bin dimensions.*

4.1.1 Garbage Front-End Bins

Table 4 below can be used to calculate the number of Garbage and Recyclable Front-End Bins that Multi-Residential Complexes and Stacked Townhouses require.

Table 4: Maximum Number of Dwelling Units per Front-End Bin for Garbage by Bin Size

Type of Bin	3 yd ³	4 yd ³	6 yd ³
Compacted	54	72	N/A
Non-compacted	18	24	36

NOTE

Less than 60 Dwelling Units

Multi-Residential Complexes and Stacked Townhouses proposing less than 60 Dwelling Units will receive one Recycling Cart for every 7 Dwelling Units.

4.1.2 Recycling Carts and Front-End Bins

Table 5 below can be used to calculate the number of Front-End Recycling Bins for Recyclable Materials that Multi-Residential Complexes and Stacked Townhouses require. Multi-Residential Complexes and Stacked Townhouses must supply Front-End Bins for Garbage Collection. Recycling Carts or Front-End bins for Recyclable Materials will be provided by the Region.

Table 5: Maximum Number of Dwelling Units per Front-End Bin for Recyclable Materials by Bin Size

Type of Bin	3 yd ³	4 yd ³	6 yd ³
Non-compacted	45	60	90

The required numbers of bins must be rounded up to the nearest whole number.



Multi-Residential Complexes and Stacked Townhouses proposing less than 60 Dwelling Units will receive one Recycling Cart for every 7 Dwelling Units. The required numbers of bins should be rounded up to the nearest whole number.

Due to their size, 6 yd³ Front-End Bins used to store Garbage or Recyclable Material are only to be used for Multi-Residential Complexes and Stacked Townhouses where Garbage and Recycling Receptacles are stored outdoors. Each 6 yd³ Front-End Bin is to be permanently located at a Collection Point accessible to the Front-End Waste Collection Vehicle.

4.2 Waste Storage Room Requirements

A storage room is a space designed to allow receptacles to be easily accessed by residents and moved to the Collection Point on the day of collection by property management for collection service. An ideal location of a storage facility is dependent on many factors, especially the convenience to its users and ease of collection service access.

Table 6 details the design requirements for Waste Storage Rooms for Multi-residential Developments.

Table 6: Design Requirements for Waste Storage Rooms

Element	Waste Collection Service Design Standards
Location	<ul style="list-style-type: none"> Recycling Receptacle access must be equally or more convenient than that of Garbage
Size	<ul style="list-style-type: none"> A Waste Storage Room must be of sufficient area to accommodate the required number of Front-End Bins and/or Recycling Carts required for the Development.
Compaction	<ul style="list-style-type: none"> Recyclable Materials must not be compacted.
Chutes	<ul style="list-style-type: none"> If a chute system is used, then separate chutes must be provided for Garbage and Recyclable Materials; or A single chute can be used if equipped with an automated mechanical separation system to direct Garbage and Recyclable Materials into separate Front-End Bins.

Refer to Appendices 6 and 8 for Front-End Bin and Cart dimensions, respectively.

*Refer to Appendix 14 for a sample drawing of a Waste Storage Room that illustrates the requirements listed above in **Table 6**.*

4.3 Collection Point Requirements

Table 7 details the general design requirements Multi-Residential Collection Points.

Table 7: Design Requirements Collection Points

Element	Design Standards
Structure	<ul style="list-style-type: none"> • A solid, level (maximum 2% slope) and reinforced concrete pad. • The concrete pad must be of necessary strength to prevent differential settlement and/or cracking that would affect Waste Collection.
Size	<ul style="list-style-type: none"> • Minimum width of 6 m for the storage of multiple Front-End Bins.
Access	<ul style="list-style-type: none"> • A minimum unobstructed distance of 18 m must be provided to enable the Waste Collection Vehicle to wholly enter the Indoor Collection Point. • Approach is to be level (maximum 2% slope), solid (able to support a 35-tonne fully-loaded collection vehicle) and the width of the Collection Point.
Bollards	Bollards or a concrete curb must also be installed at the rear of the Collection Point to protect the structural wall from damage when Front-End Bins are picked up or returned in place by the Waste Collection Vehicle.

4.3.1 Indoor Collection Points

Table 8 below details the design requirements for Indoor Collection Points.

Table 8: Design Requirements for Indoor Collection Points

Element	Design Standards
Area Requirement	<ul style="list-style-type: none"> • The Collection Point must be 2 metres deep for a 3 yd³ Front-End Bin and 3 m deep for 4 and 6 yd³ Front-End Bins. • The Collection Point should be designed with sufficient area to eliminate the need for property management staff to Jockey Front-End Bins to make them accessible to the Waste Collection Vehicle. • Where these requirements cannot be met, reliance on property management staff to facilitate Waste Collection will be considered at the Commissioner's discretion, subject to the following conditions: <ul style="list-style-type: none"> ○ The driver is not required to exit the Waste Collection Vehicle to facilitate collection; ○ Property management staff is responsible for Jockeying of Front-End Bins during collection; ○ The Region will not be responsible for emptying bins that are inaccessible to the Waste Collection Vehicle; and ○ Property management staff must be visible to the Waste Collection Vehicle on approach to the site; otherwise the Waste Collection Vehicle will not enter the site.

4.3.2 Concealed Collection Point

A concealed collection point must:

- Be provided when no indoor collection point can be designed;
- Be screened from adjacent residential or public lands;
- Be of sufficient area to accommodate the required number of Front-End Bins for Garbage and Recycling Carts or Recycling Front-End Bins required for the Development;
- Accommodate the Set-out and storage of Bulky Items; and
- Must be accessible to the Waste Collection Vehicle and must be accessible to occupants if no waste storage room is provided.

Refer to:

- *Appendix 5 for sample drawings that illustrate Concealed Collection Points requirements.*
- *Appendix 6 for Front-End bin dimensions for Garbage and Recyclable Materials.*
- *Appendix 8 for Garbage, Recycling and Green Cart dimensions.*
- *Appendix 9 for Waste Collection Point examples.*

Table 9 details the design requirements for Concealed Collection Points.

Table 9: Design Requirements for Concealed Collection Points

Element	Waste Collection Service Design Standards
Structure	<ul style="list-style-type: none"> • Concealed Collection Points are required to be a permanent four-sided (including gates) structure without a roof.
Access	<p>A Concealed Collection Point for:</p> <ul style="list-style-type: none"> • A minimum opening of 6m is required at the collection point. See Appendix 5 for detailed examples.
Gates	<ul style="list-style-type: none"> • A Concealed Collection Point requires a lockable gate. • Hinged Gates on a Concealed Collection Point must swing open to a minimum 135 degrees. • Sliding gates are permitted. • Gates must be capable of being secured in an open position.
Bulky Items	<ul style="list-style-type: none"> • A Concealed Collection Point requires a minimum of 10 m² for the Set-out of Bulky Items.
Collection surface	<ul style="list-style-type: none"> • A solid, level (maximum 2% slope) and reinforced concrete pad must be provided. • The concrete pad must be of sufficient strength to prevent differential settlement and/or cracking that would affect Waste Collection.

4.4 Stacked Townhouses Specific Requirements

4.4.1 Garbage Collection

All Stacked Townhouses must Set-out Front-End Bins for Garbage collection.

4.4.2 Recycling Collection

Stacked Townhouses with:

- less than 60 Dwelling Units
 - must set-out Recycling Carts for Recyclable Materials collection,
- 60 or more Dwelling Units
 - must set-out Front-End Bins for Recyclable Materials collection.

The Developer, Property Manager, Owner, or agent thereof, must disclose in writing to a prospective buyer of a Dwelling Unit within the Development, the location of the Waste Storage Room(s) and/or Collection Point(s) and the requirements of the prospective buyer regarding Waste storage and Set-out.

The wording of the notice shall be as follows:

Waste Collection: All Buildings/Units

“Purchasers are advised that a Concealed Collection Point for Waste is located adjacent to the [Feature A] and is intended to accommodate all residential Waste from [Buildings X to Y], inclusive only. Purchasers of units within the Development described above are advised that transporting Waste to the Waste Storage Room or Collection Point is the sole responsibility of the occupants residing in the subject buildings/units. Purchasers and subsequent occupants will be required to dispose of all Waste to the Collection Point on-site.”

The Developer must submit to the Region, with a request to commence Waste Collection Services, written confirmation that all Owners had received written notification prior to purchase of the location(s) of:

- Collection Point(s); and/or
- Waste Storage Room(s).

Refer to Section 1.3, Request to Commence Waste Collection Service for clarification of the requirements to register for the Region’s Waste Collection services.

5.0 Mixed-Use Buildings

For Dwelling Units within Mixed Use Buildings, the Region will provide collection of:

- Garbage;
- Recyclable Materials;
- Bulky Items; and
- Yard Waste.

To be eligible for collection of Residential Waste, Developers of Mixed-Use Buildings must have the same design features as other Multi-Residential Complexes as described in Sections 4.0 to 4.4.

Business portion of waste will be collected with residential waste provided it meets requirements in the Waste Collection By-Law. For waste that does not meet these requirements, such as medical waste, these must be separated and collected by a private contractor. Residential and ICI waste must have separate collection points which are clearly shown on Site Plan drawings.

5.1 Garbage Collection

All Mixed-Use Buildings must Set-out Front-End Bins for Garbage collection.

5.2 Recycling Collection

Mixed Use Buildings with:

- less than 60 Dwelling Units
 - must set-out Recycling Carts for Recyclable Materials collection;
- 60 or more Dwelling Units
 - must set-out Front-End Bins for Recyclable Materials.

Refer to Appendix 14 for a sample drawing of a Multi-Residential site plan illustrating an indoor waste storage room and an indoor collection point.

6.0 Institutional Developments

This section applies to requirements for Institutional Developments which include:

- Long-Term Care Institutions;
- Schools; and
- Places of Worship.

Institutional Developments that are eligible to receive the Region's Waste Collection services must comply with the General Requirements listed in Sections 2.0 and the Clearance and Collection Point Requirements in Section 4.0.

6.1 Long-Term Care Institutions

6.1.1 Garbage Collection

All Long-Term Care Institutions must Set-out Front-End Bins for Garbage collection. **Table 10** below can be used to calculate the number of Front-End bins for Garbage collection by the Region.

Long-Term Care Institutions with less than 60 Persons will be provided with one Recycling Cart for every 7 persons.

Table 10: Maximum Number of Persons per Front-End Bin for Garbage by Bin Size for Long-Term Care Institutions

Type of Bin	3 yd ³	4 yd ³	6 yd ³
Compacted	90	120	N/A
Non-compacted	36	48	60

NOTE

Long-Term Care Institutions with less than 60 Persons will be provided with one Recycling Cart for every 7 persons.

6.1.2 Recycling Collection

Long-Term Care Institutions designed to accommodate:

- less than 60 persons
 - must set-out Recycling Carts for Recyclable Materials collection,
- 60 or more persons
 - must set-out Front-End Bins for Recyclable Materials.

Table 11 below can be used to calculate the number of Front-End Bins for the collection of Recyclable Materials.

Table 11: Maximum Number of Persons per Front-End Bin for Recyclable Materials by Bin Size for Long-Term Care Institutions

Type of Bin	3 yd ³	4 yd ³	6 yd ³
Non-compacted	60	80	100

6.1.3 Hazardous Waste and Biomedical Waste

- Hazardous Waste and Biomedical Waste are **not** to be Set-out for Waste Collection.
- Hazardous Waste and Biomedical Waste must be collected by a private Waste Collection company.
- Set-out of Hazardous Waste and Biomedical Waste for Residential Waste Collection may result in the suspension of Waste Collection.

NOTE

Outdoor Storage for Large Bins

- Due to their size, 6 yd³ Front-End Bins used to store Garbage or Recyclable Material are only to be used for Multi-Residential Complexes and Stacked Townhouses where Garbage and Recycling Receptacles are stored outdoors.
- Each 6 yd³ Front-End Bin is to be permanently located at a Collection Point accessible to the Front-End Waste Collection Vehicle.

6.2 Schools

6.2.1 Garbage Collection

- Garbage collection is required through a private Waste Collection company.

6.2.2 Recycling Collection

- The Region may provide collection of recyclable materials from schools that are eligible to receive the Region's Waste Collection services.

Contact the Region Waste Management Division to verify eligibility for waste collection services at the following email address:

ZZG-WasteCollectionDesignStandardsInquiries@peelregion.ca

If approved, the number of Recycling Carts or Front-End Bins required for each school will be dependent on the total number of persons, including students, faculty and staff, that the school is designed to accommodate. **Table 12** below can be used to calculate the number of Front-End Bins for Recyclable Materials. For schools designed to accommodate less than 600 students, faculty, and staff, one Recycling Cart is required for every 150 persons.

Table 12: Maximum Number of Persons per Front-End Bin for Recyclable Materials by Bin Size for Schools

Type of Bin	3 yd ³	4 yd ³	6 yd ³
Non-Compacted	600	800	1,200

NOTE

Schools

Garbage collection is required through a private waste collection company.

Recyclable materials will be collected from schools that are eligible to receive the Region's waste collection services. The Region will provide Front-End Bins or Carts for Recyclable materials.

6.3 Places of Worship

Waste Collection for Places of Worship is dependent on location. Contact the Region's Waste Management Division to verify eligibility at the following email address:

ZZG-WasteCollectionDesignStandardsInquiries@peelregion.ca

Eligible Places of Worship must comply with the following requirements for waste collection services by the Region:

- Places of Worship designed to accommodate less than 450 persons must set-out Front-End Bins for Garbage and one Recycling Cart for Recyclable Materials for every 75 persons. *Refer to Appendix 7 for Cart Dimensions.*
- Places of Worship designed to accommodate more than 450 persons must Set-out Front-End Bins for both Garbage and Recyclable Materials.

Table 13 and **Table 14** below can be used to calculate the number of Front-End Bins for Garbage and Recyclable Materials at Places of Worship.

Table 13: Maximum Number of Persons per Front-End Bin for Garbage by Bin Size for Places of Worship

Type of Bin	3 yd ³	4 yd ³	6 yd ³
Compacted	90	120	N/A
Non-compacted	36	48	60

Table 14: Maximum Number of Persons per Front-End Bin for Recyclable Materials by Bin Size for Places of Worship

Type of Bin	3 yd ³	4 yd ³	6 yd ³
Non-compacted	450	600	600 +

6.4 Other Institutions

Waste Collection for Other Institutions will be verified on an individual basis. Contact the Region of Peel Waste Management Division to verify eligibility at the following email address:

ZZG-WasteCollectionDesignStandardsInquiries@peelregion.ca

7.0 Business Improvement Areas (BIA)

The following developments located within BIAs will be provided with the Region's Waste Collection services subject to compliance with General Requirements in Sections 2.0 and the Vehicle Clearance and Collection Point Requirements in Section 4.0 and Section 5.0 above:

- Residential Units;
- Multi-Residential Complexes;
- Stacked Townhouses; and
- some Institutions.

Mixed-Used Buildings located within BIAs which include a Small Business(es) requesting the Region's Waste Collection services must provide the same design features as other Multi-Residential Complexes with the same number of Dwelling Units, as described in Sections 4.0 to 4.4, and provide one Collection Point of sufficient area to store:

- Garbage Receptacles;
- Recycling Receptacles;
- Bulky Items; and
- Yard Waste.

Only the business component within the Mixed-Use buildings located in a BIA may elect to use the services of a private Waste Collection company.

Refer to Appendix 12: BIA Boundaries to review maps showing the current boundaries of the following six BIAs in the Region:

- Bolton BIA;
- Brampton Downtown Development Corporation;
- Clarkson BIA;
- Malton BIA;
- Port Credit BIA; and
- Streetsville BIA.

It is recommended that a Developer, or owner, or agent thereof undertaking a Development or re-development within a BIA and intend to receive Waste Collection Services from the Region, contact the Waste Management Division by email to conduct a pre-Site Plan submission consultation at the following email address:

ZZG-WasteCollectionDesignStandardsInquiries@peelregion.ca

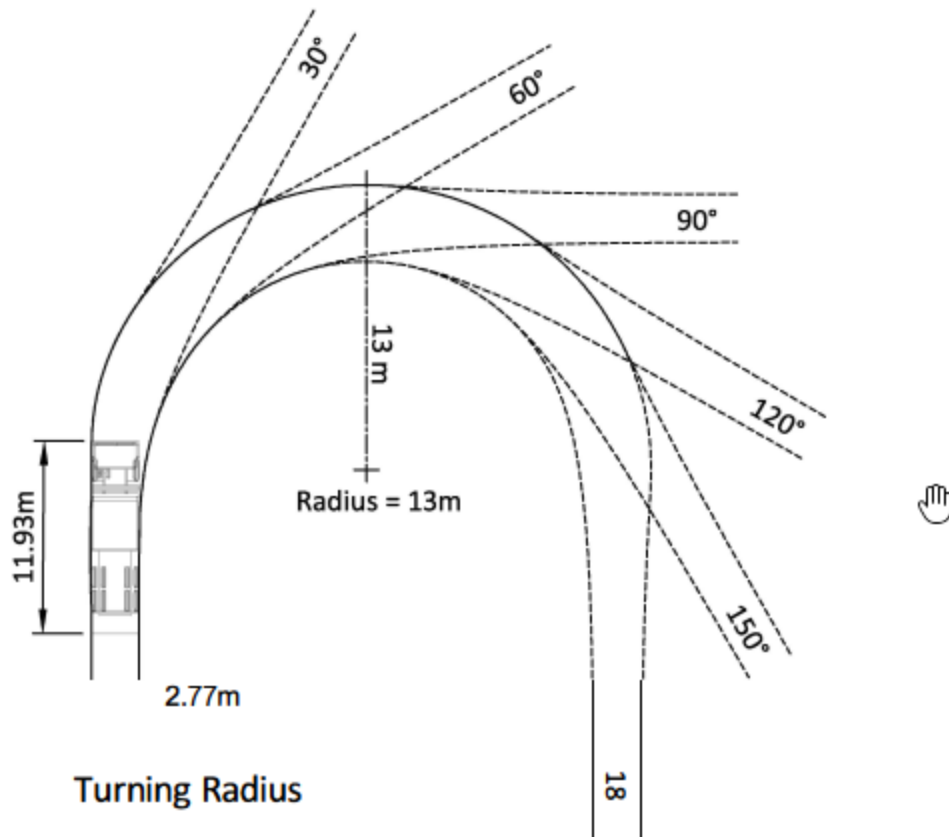
Appendices

- Appendix 1: Waste Collection Vehicle Illustrations
- Appendix 2: Cul-de-sac Specifications
- Appendix 3: “T” Turnaround Specifications
- Appendix 4: Indoor Waste Collection Point Specifications
- Appendix 5: Concealed Collection Point Specifications
- Appendix 6: Front-End Garbage and Recycling Bins
- Appendix 7: Waste Bin Calculations
- Appendix 8: Cart Dimensions
- Appendix 9: Waste Collection Point Examples
- Appendix 10: Acknowledgement and Release Form for Private Property Waste Collection
- Appendix 11: Application for Private Waste Collection
- Appendix 12: Business Improvement Area Boundaries
- Appendix 13: Sample Drawing of a Multi-Residential Site Plan That Meets Waste Collection Requirements for Outdoor Collection Point
- Appendix 14: Sample Drawing of a Multi-Residential Site Plan That Meets Waste Collection Requirements (Indoor Waste Storage Room and Indoor Collection Point)

APPENDIX 1: WASTE COLLECTION VEHICLE DIMENSIONS

Table A-1: Overall Collection Dimension Minimums

Overhead space along the access route	4.4 m
Road width along access route	6 m
Overhead space at the collection point	7.5 m

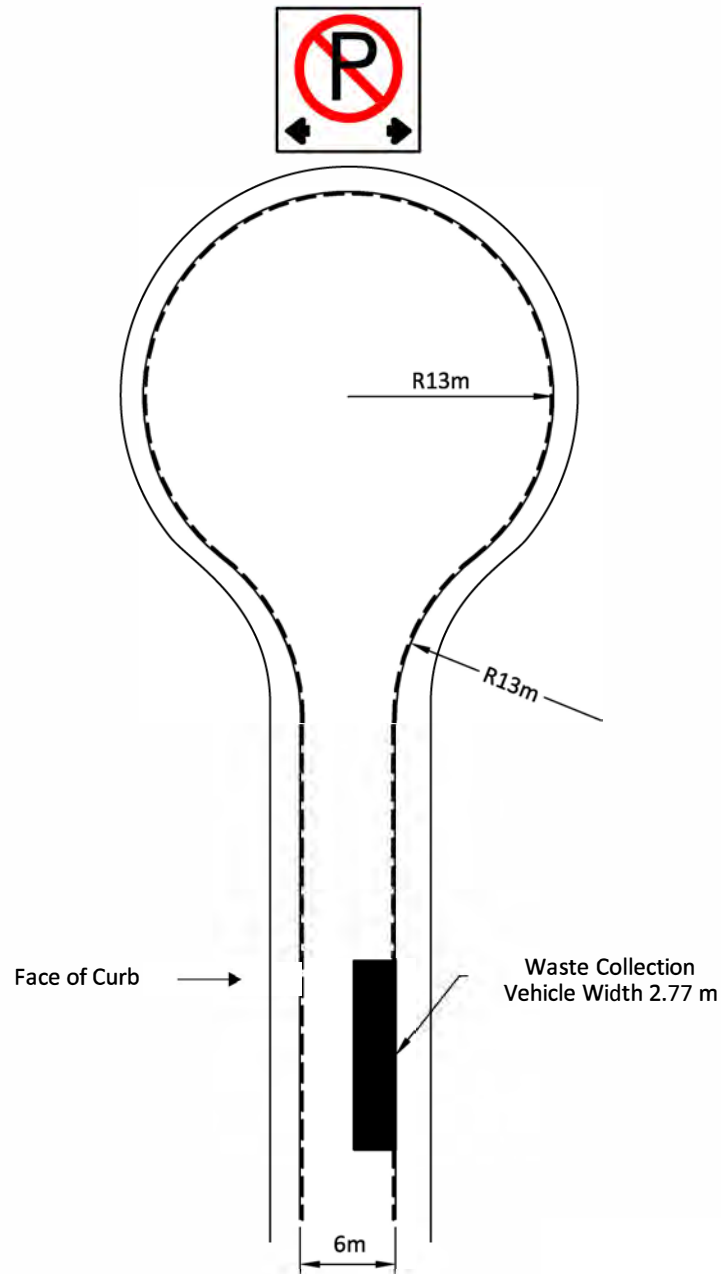


Note:

Drawings are not to scale. Vehicle dimensions are approximate. Actual dimensions may vary depending on the make and model of vehicles used by Region of Peel's Waste Collection Contractors, which vary from time to time.

APPENDIX 2: CUL-DE-SAC SPECIFICATIONS

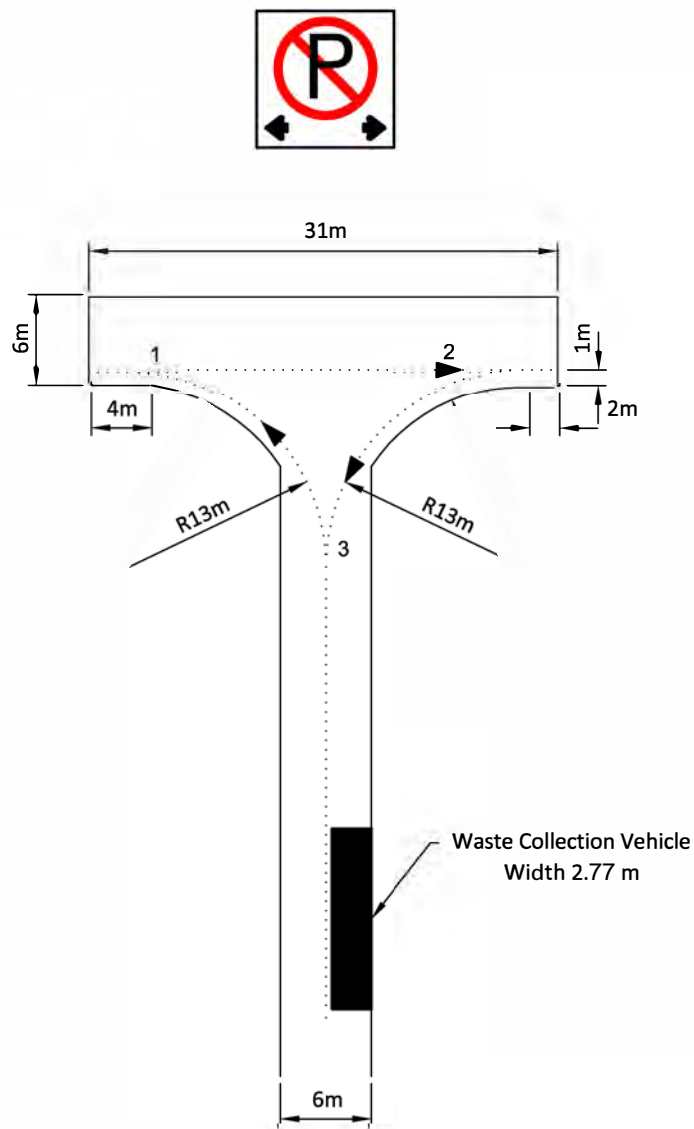
Minimum Requirement for Region's Waste Collection Vehicles



Note:
Drawing not to scale.

APPENDIX 3: "T" - TURNAROUND SPECIFICATIONS

Minimum Requirement for Region's Waste Collection Vehicles

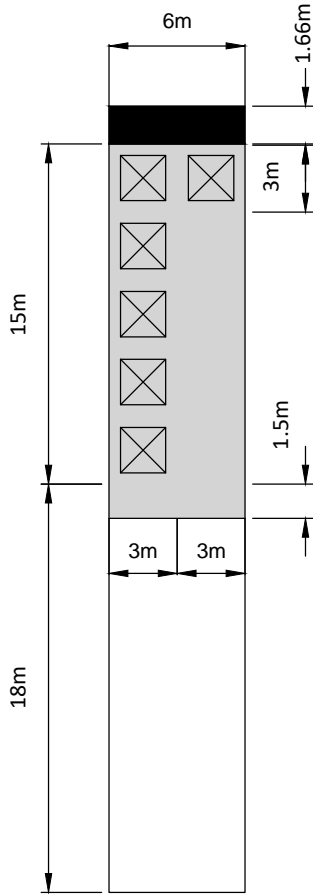


Note:
Drawing not to scale.

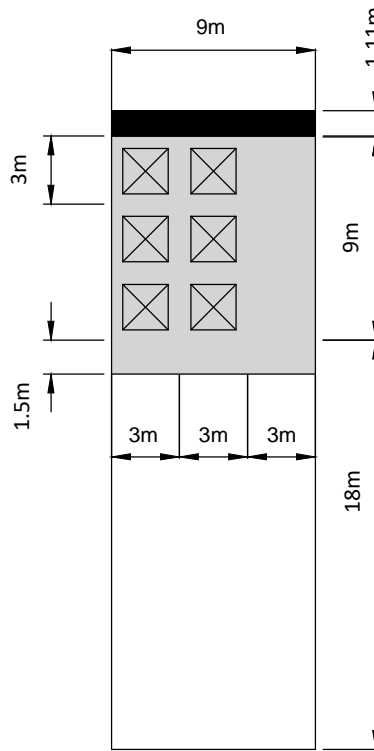
APPENDIX 4: INDOOR WASTE COLLECTION POINT SPECIFICATIONS

Minimum Requirement for Region Waste Collection Vehicles




OPTION 1: 6-METRE WIDE COLLECTION POINT



OPTION 2: 9-METRE WIDE COLLECTION POINT



NOTES

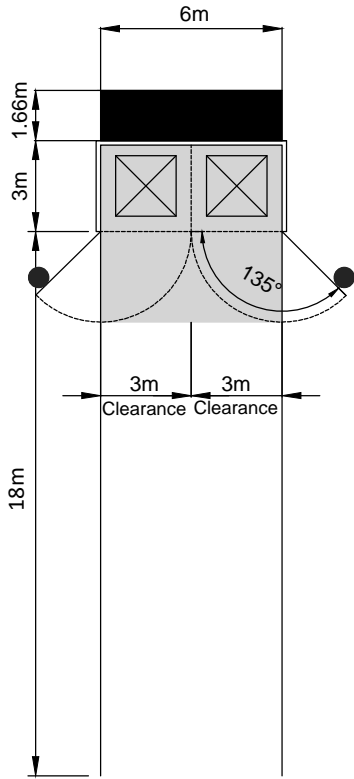
-  Concrete Pad
-  Front-End Bin
-  Bulky Set Out Area

- The concrete apron must extend a minimum of 1.5 meters in length outside of the Concealed Waste Collection Point to accommodate the front wheels of the Waste Collection Vehicle.
- 18 meter head on approach is required for the Waste Collection Vehicle to wholly enter the Indoor Collection Point.

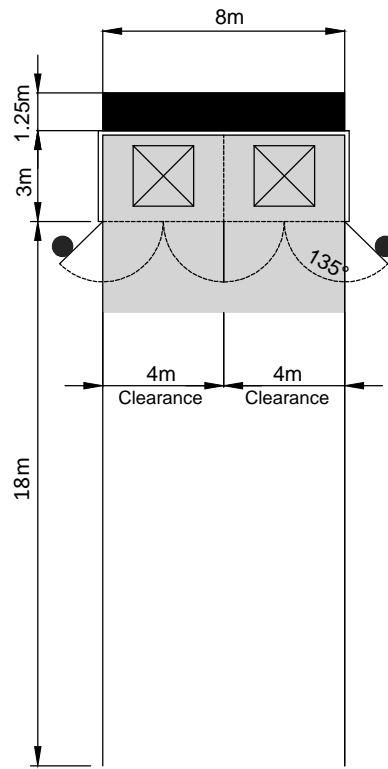
Note:
Drawing not to scale.

APPENDIX 5: CONCEALED COLLECTION POINT SPECIFICATIONS

ALTERNATIVE 1
(WITH TWO GATES)



ALTERNATIVE 2
(WITH FOUR GATES)



NOTES

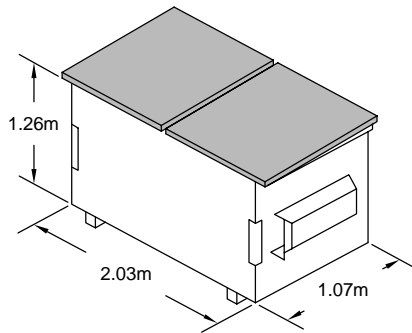
- Bollard
- Concrete Pad
- ⊠ Front-End Bin
- Bulky Set Out Area

- Receptacles stored outdoors must be concealed.
- Gates must swing out a min. 135 degrees and must be secured in an open position.
- The concrete apron must extend a minimum of 1.5 meters in length outside of the Concealed Collection Point to accommodate the front wheels of the Waste Collection Vehicle.

Note:
Drawing not to scale.

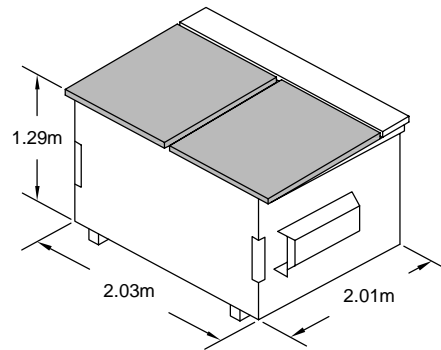
APPENDIX 6: FRONT-END GARBAGE AND RECYCLING BINS

3-Cubic Yard



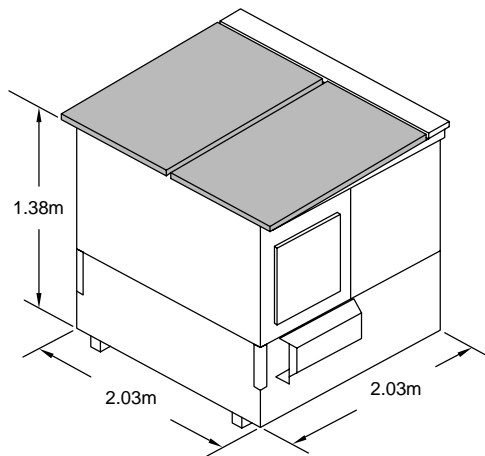
3-yard inside storage area bin
1.26m high, 2.03m, 1.07m deep

4-Cubic Yard



4-yard inside storage area bin
1.29m high, 2.03m, 2.01m deep

6-Cubic Yard



6-yard inside storage area bin
1.38m high, 2.03m, 2.03m deep

Due to their size, 6-cubic yard Front-End Bins are only to be used for Multi-Residential Complexes where Waste is to be stored externally in a Concealed Collection Point.

Note:

*3- & 4-cubic yard bins include casters.

** Garbage receptacle model and dimensions may vary depending on model and manufacturer.

*** Drawing not to scale.

Note:
Drawing not to scale

APPENDIX 7: WASTE BIN CALCULATIONS

Note: The required numbers of bins should be rounded up to the nearest whole number.

Multi-Residential Complexes and Stacked Townhouses

Type of Bin	3 yd ³ (units/bin)	4 yd ³ (units/bin)	6 yd ³ (units/bin)
Compacted Garbage	54	72	N/A
Non-compacted Garbage	18	24	36
Recyclable Materials	45	60	90

Note: Multi-Residential Complexes and Stacked Townhouses proposing less than 60 Dwelling Units will receive one Recycling Cart for every 7 Dwelling Units.

Multi-Residential Front-End Bin Calculation Example

A Multi-Residential Complex or Stacked Townhouse with 144 residential units:

- For **compacted Garbage**, would require three 3 yd³ Front End Bins
 - 3 yd³ bin size: 144 units /54 = 2.7 i.e. rounded to 3 bins
- For **non-compacted Garbage**, would require six 4 yd³ Front End Bins
 - 4 yd³ bin size: 144 units /24 = 6 bins
- For **Recyclable Materials**, would require three 4 yd³ Front End Bins;
 - 4 yd³ bin size: 144 units /60 = 2.4 bins i.e. rounded to 3 bins

Long-Term Care Institutions

Type of Bin	3 yd ³ (persons/bin)	4 yd ³ (persons/bin)	6 yd ³ (persons/bin)
Compacted Garbage	90	120	N/A
Non-compacted Garbage	36	48	60
Recyclable Materials	60	80	100

Note: Long-Term Care Institutions with less than 60 Persons will be provided with one Recycling Cart for every 7 persons.

Schools

Type of Bin	3 yd ³ (persons/bin)	4 yd ³ (persons/bin)	6 yd ³ (persons/bin)
Recyclable Materials	600	800	1,200

Places of Worship

Type of Bin	3 yd ³ (persons/bin)	4 yd ³ (persons/bin)	6 yd ³ (persons/bin)
Compacted Garbage	90	120	N/A
Non-compacted Garbage	36	48	60
Recyclable Materials	450	600	600+

APPENDIX 8: CART DIMENSIONS

CARTS USED FOR CURBSIDE WASTE COLLECTION



**Small Garbage Cart
(120 L)**



**Medium Garbage Cart
(240 L)**



**Large Garbage Cart
(360 L)**



**Organics Cart
(100 L)**



**Small Recycling Cart
(120 L)**



**Medium Recycling Cart
(240 L)**



**Large Recycling Cart
(360 L)**

CARTS USED FOR MULTI-RESIDENTIAL AND BIA WASTE COLLECTION



BIA Garbage Cart*:
Height 110 cm (3.6 ft), Width 67 cm (2.2 ft)
and Length 85 cm (2.8 ft)



BIA Recycling Cart*:
Height 110 cm (3.6 ft), Width 67 cm (2.2 ft) and
Length 85 cm (2.8 ft)

Note:

These are approximate dimensions. Actual dimensions may vary depending on model and manufacturer.

Small, Medium and Large garbage and recycling and organics receptacles are only available to Residential Units receiving Curbside Collection

*BIA carts will be available for select Multi-Residential Complexes and Institutions.

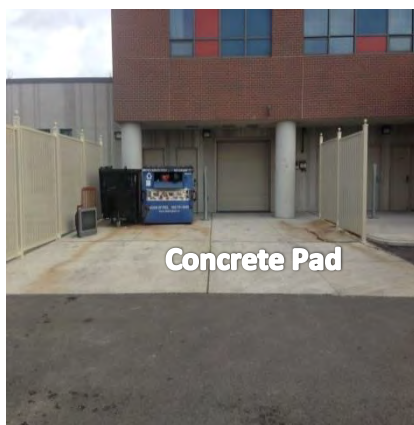
APPENDIX 9: WASTE COLLECTION POINT EXAMPLES

COLLECTION POINT FOR SINGLE-DETACHED, SEMI-DETACHED, TOWNHOUSES AND MULTI-RESIDENTIAL COMPLEXES UP TO SIX UNITS DWELLING UNITS



Collection Point must be at least 3 square metres (32 square feet) in order to provide sufficient space for the placement of two Carts: maximum one (1) large Garbage or Recycling (360 litres or 95 US gallons) Cart and one (1) Source Separated Organics (100 litres or 21 imperial gallons) Cart, overflow Waste (i.e. additional bags), Yard Waste Receptacles and Bulky Items. In addition, a minimum 1 metre (3 ft.) space between each Cart must be provided.

OUTDOOR CONCEALED WASTE COLLECTION POINT FOR MULTI-RESIDENTIAL COMPLEXES, STACKED TOWNHOUSES AND MIXED USE BUILDINGS



Concealed Waste Collection Points must have a level (Max. 2% slope) and solid concrete pad. The concrete pad should extend a minimum of 1.5 metres in length outside of the collection point to accommodate the front wheels of the waste collection vehicle.

APPENDIX 10: ACKNOWLEDGEMENT AND RELEASE

FORM PRIVATE PROPERTY WASTE COLLECTION

New Submission Renewal

1. In consideration of The Regional Municipality of Peel (the "Region") providing Waste collection services (as further described below), _____ (the "Owner") being the registered owner of _____ (the "Lands") shall:
- a) Permit the Region and its employees, contractors and authorized agents entry onto the Lands for purposes of providing Waste collection services; and
 - b) Release, waive and forever discharge, save harmless and indemnify the Region from and against all actions, causes of actions, damages, liability, fines, proceedings, claims, demands, costs, expenses, losses and liabilities whether in law or equity, in respect of death, personal injury, loss or damage to any person or property, howsoever caused, arising from or to arise directly or indirectly 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 the Region is in law responsible.
2. The Owner acknowledges and agrees that the Region's Waste collection services provided to the Lands are limited to:
- a) Waste collection service on such days as designated by the Region's Commissioner of Public Works (the "Commissioner"); and
 - b) Garbage, Recyclable Materials, Source Separated Organics, Yard Waste, and Bulky Items (all as defined in the Region's Waste Collection By-Law 35-2015), as designated by the Commissioner. For the purposes of this Acknowledgement and Release, unless otherwise defined herein, all capitalized terms used herein have the same meaning as set out for those same terms in the Region's Waste Collection By-Law 35-2015, as may be amended from time to time.
3. The Owner further acknowledges and agrees that the Region's Waste collection from the Lands is conditional on:
- a) The Owner providing free and clear access to a Collection Point on the Lands determined satisfactory by the Commissioner for these purposes. The Owner's proposed route of access for collection purposes as set out on a site plan of the building and parking lot which is attached hereto as Schedule "A";
 - b) The Owner utilizing Receptacles, which includes containers for Garbage, Recyclable Materials, Source Separated Organics and Yard Waste, approved by the Commissioner;
 - c) The Owner ensuring all designated Waste is set out for collection in approved Receptacles and accessible by the Waste collection vehicle no later than 7:00 a.m. on the designated collection day by:
 - i) Unlocking the cover lids of Front-End Bin Recycling Receptacles;
 - ii) Properly placing the Receptacles at the designated Collection Point, including but not limited to the Owner or its agents moving the Receptacles during collection if so required. The Region will not be responsible for emptying Receptacles that are inaccessible to the collection vehicle;
 - iii) Ensuring the Collection Point is signed and kept clear of obstruction, including but not limited to parked vehicles, snow and Bulky Items. During winter months the Collection Point must also be fully cleared of snow and ice, and salted;
 - iv) Ensuring that on-site Receptacles can be collected in a safe manner by addressing work safety issues, including, but not limited to, unsecured trap doors, overloaded containers and improper Waste disposal; and
 - v) Ensuring that the gate(s) to the Waste enclosure are secured in the open position;
 - d) The Owner maintaining Waste 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;
 - e) The Owner ensuring Garbage and Recyclable Materials are to be placed in appropriate Receptacles. Receptacles are to be set out in a manner that the Waste does not exceed the height level of the sides of the Receptacle preventing the lid from being securely closed, and cardboard is to be broken down and placed within appropriate Recycling Receptacles;
 - f) The Owner ensuring Waste set out in Receptacles have working lids and where applicable, that compactor doors are securely closed and locked as determined by the Commissioner;
 - g) The Owner ensuring that except for the purpose of collection on the designated collection day, Front-End Bin Recycling Receptacle lids are locked at all times and are locked immediately after collection;
 - h) 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 Collection Points and adding or changing Receptacles;
 - i) The Owner ensuring proper participation in the Region's recycling program and that recycling is as convenient to each tenant or unit owner as the garbage collection program by:
 - i) Providing tenants or unit owners with specific instructions and Region-supplied reusable recycling bags for the purpose of transporting Recyclable Materials from residential units to the proper Receptacles for recycling;
 - ii) 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;
 - iii) Maintaining tenant/unit owner-accessible recycling area;
 - iv) Providing sufficient proper Receptacles for Garbage, Source Separated Organics, Recyclable Material, provided those materials are collected by the Region at that site; and
 - v) Preventing contamination of the recycling stream by locking the cover lid of the Front-End Bin Recycling Receptacles at all times except on the scheduled collection day;

White - Originator

Canary - Applicant

- j) The Owner conducting daily inspection of Receptacles to:
 - i) Prevent contamination of the recycling stream by ensuring that Non-Recyclable Materials are removed from Recycling Receptacles;
 - ii) Correct and/or prevent overflowing or overloaded containers;
 - iii) Maintain Receptacles, chute(s), sorting and compaction equipment in good and operable condition including regularly cleaning and sanitizing containers;
 - iv) Remove Recyclable Materials from Garbage Receptacles; and
 - v) Close and secure bins and lids to prevent wind-blown litter;
- k) 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,
- l) The Owner including the requirement to recycle in all tenant leases or condominium packages.

4. The Owner further acknowledges and agrees that:

- a) The Region will not collect Waste 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 35-2015, as may be amended or replaced from time to time;
- b) Receptacles supplied by the Region are owned by the Region. The Region will be responsible for repair and replacement of Region supplied Receptacles and as such, the Owner should contact the Region when Region supplied Receptacles are in need of repair or replacement;
- c) Receptacles supplied by the Owner are owned by the Owner. The Owner, and not the Region, will be responsible for repair and replacement, at its own cost and expense, of Owner supplied Receptacles;
- d) The Region may terminate the provision of Waste collection services to the Lands immediately, at the Region's sole discretion, 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 Waste collection services identified in this acknowledgement and release. The Owner hereby agrees that they shall not make any claims or demands for costs or damages as a result of the termination; and
- e) Any notice which the Region or the Owner is required to give pursuant to this Acknowledgement and Release shall be given at:

Owner: Mailing Address: _____

E-mail: _____

Region: The Regional Municipality of Peel
 Commissioner of Public Works
 10 Peel Centre Drive
 Brampton, Ontario L6T 4B9

E-mail: _____

Notice shall be deemed to have been received five (5) Business days if sent by regular mail or if sent by e-mail, the same day the e-mail was sent.

Company Name: _____
 (Legal Corporate Name)

Per: _____ Title: _____
 (Print Name)

Signature/Authorization: _____ **Signature Date:** _____
 (YYYY/MM/DD)

I/ We have authority to bind the Corporation.

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

White - Originator Canary - Applicant

APPENDIX 11: APPLICATION FOR PRIVATE PROPERTY

WASTE COLLECTION

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"/> Front-End Recycling Collection
<input type="checkbox"/> Semi-Automated 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 Semi-Automated or 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



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 (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 _____ Bulky Items Collection Day _____

Recycling Collection Days _____

Comments

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

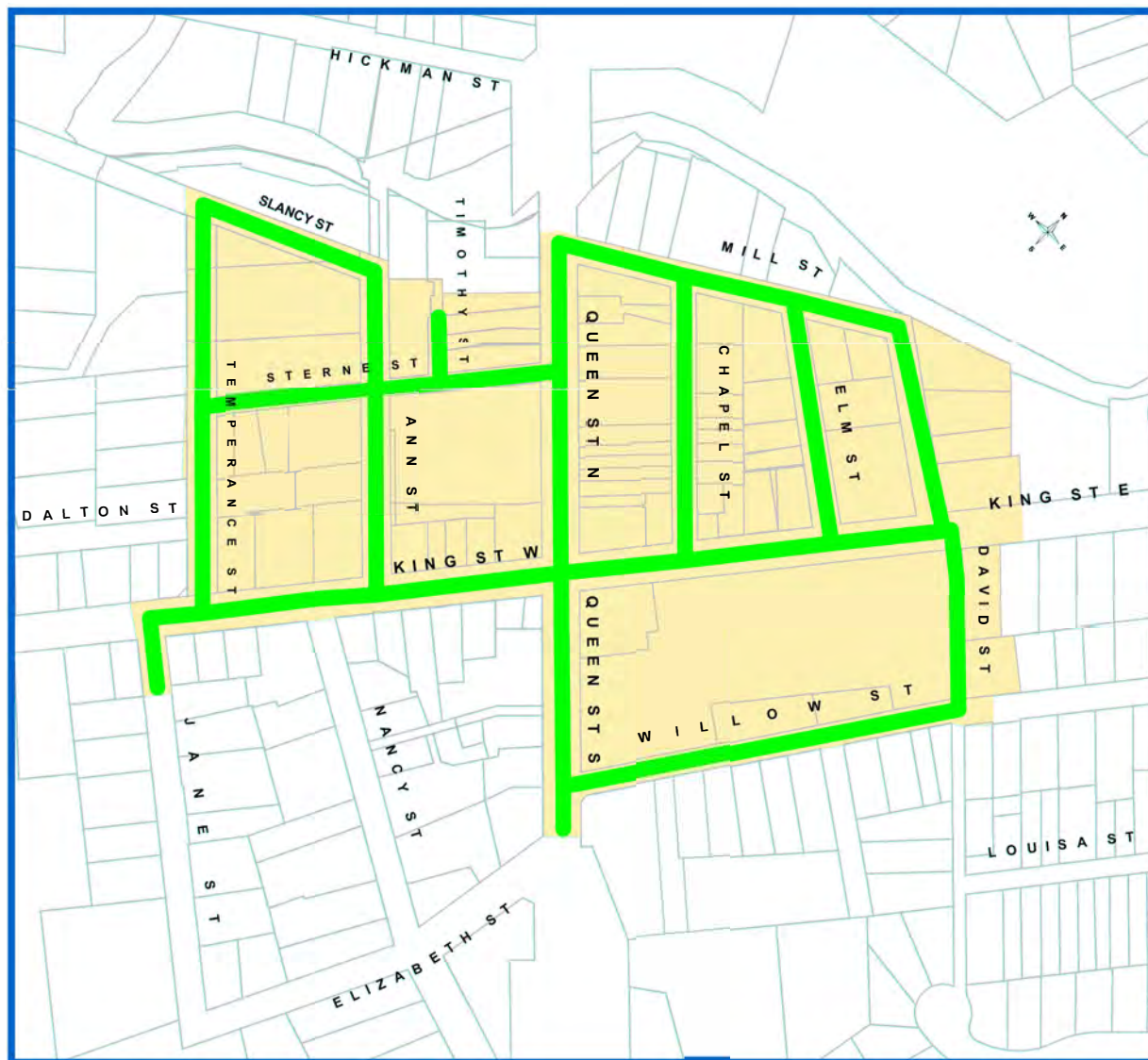
Page 2 of 2

White - Originator Canary - Applicant Pink - Contractor



APPENDIX 11: BUSINESS IMPROVEMENT AREA BOUNDARIES

Bolton BIA



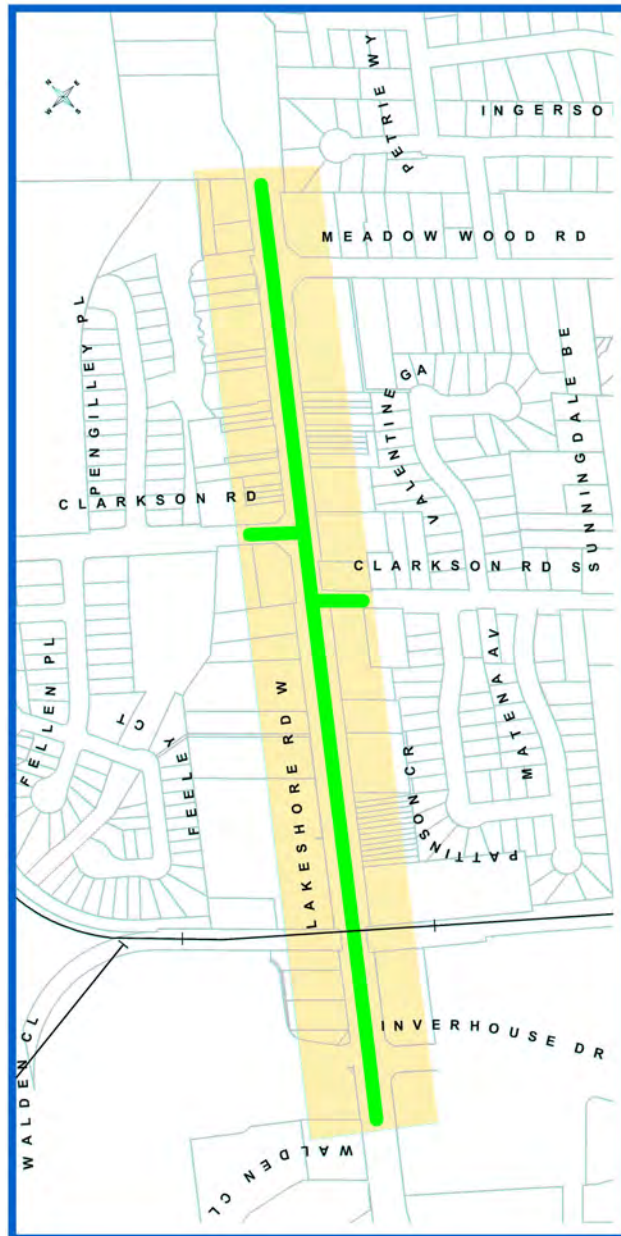
APPENDIX 11: BUSINESS IMPROVEMENT AREA BOUNDARIES

Brampton BIA



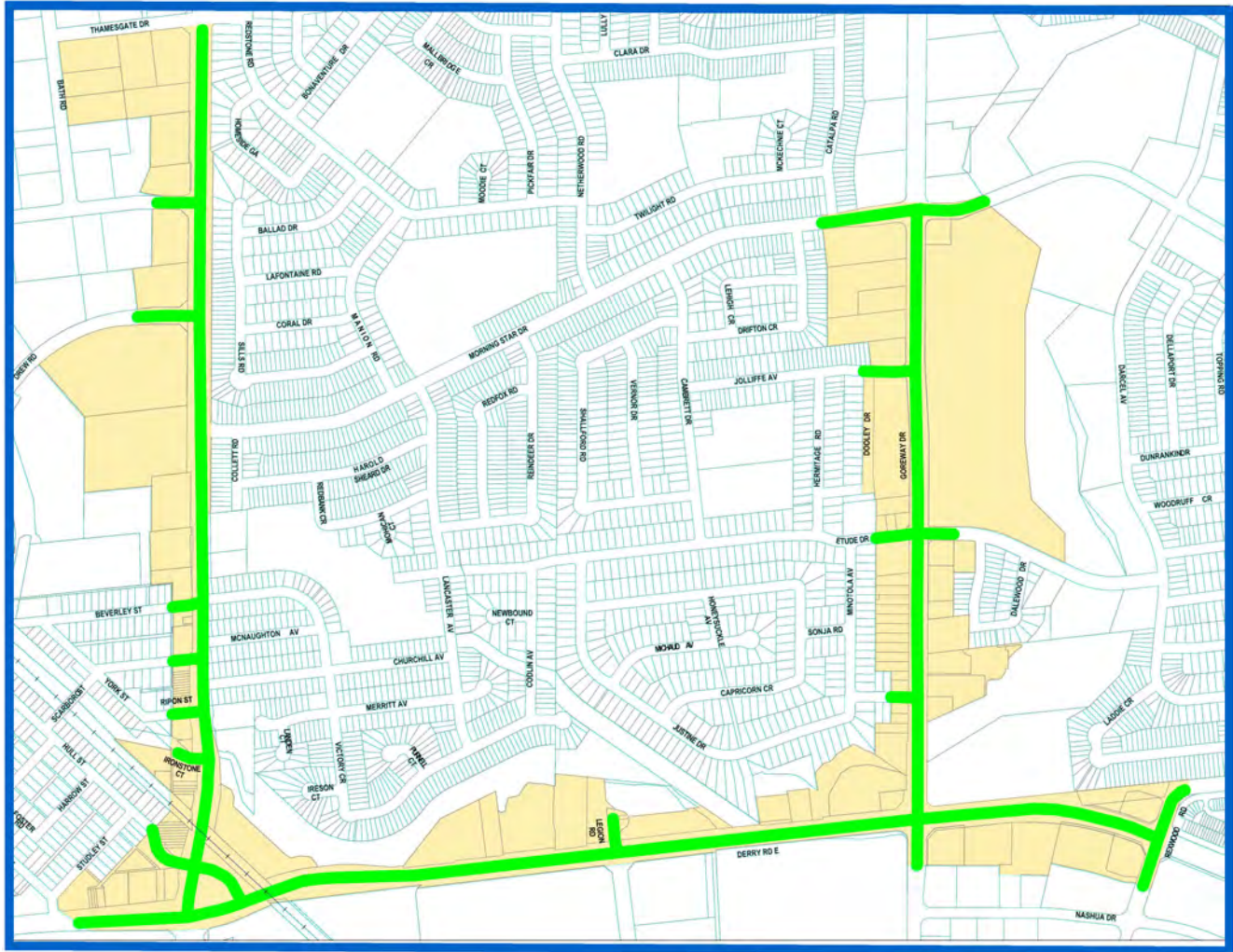
APPENDIX 12: BUSINESS IMPROVEMENT AREA BOUNDARIES

Clarkson BIA



APPENDIX 12: BUSINESS IMPROVEMENT AREA BOUNDARIES

Malton BIA



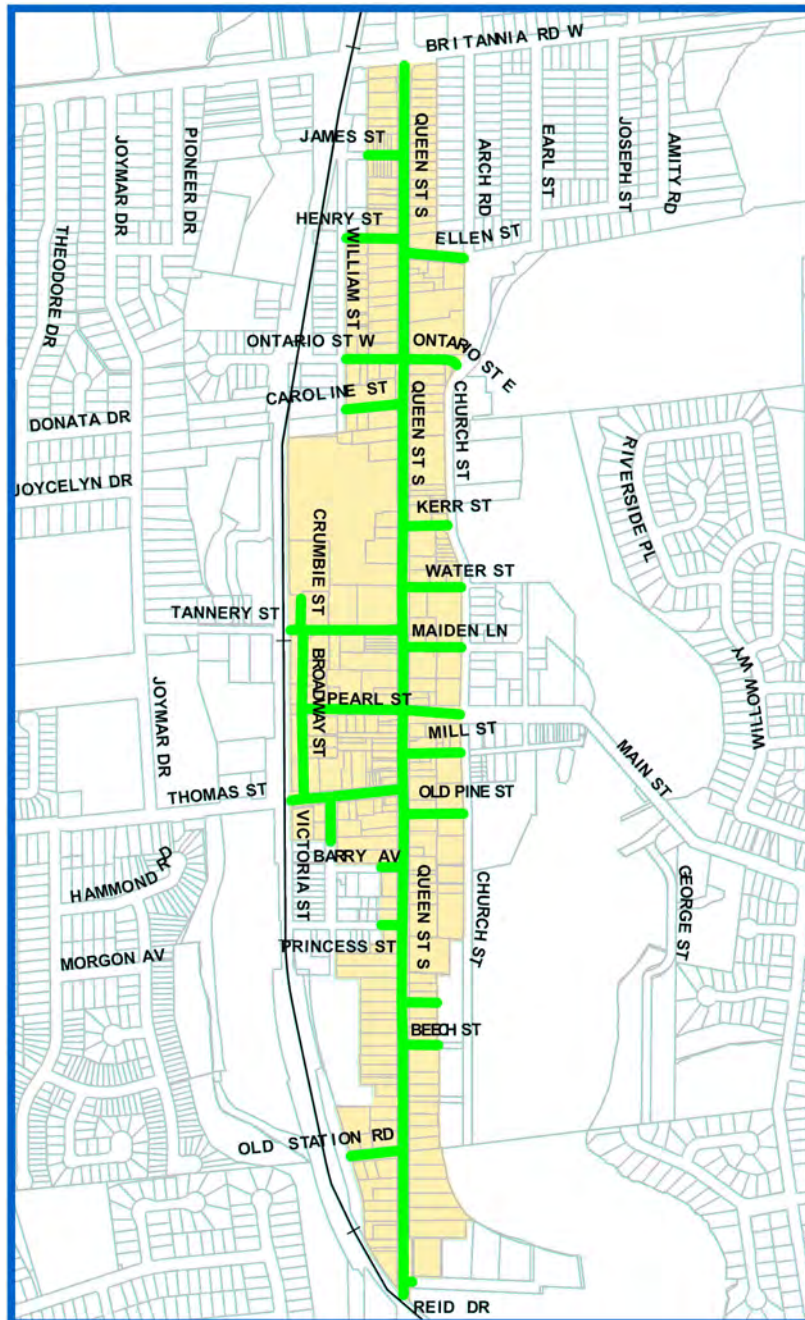
APPENDIX 12: BUSINESS IMPROVEMENT AREA BOUNDARIES

Port Credit Business Improvement Area



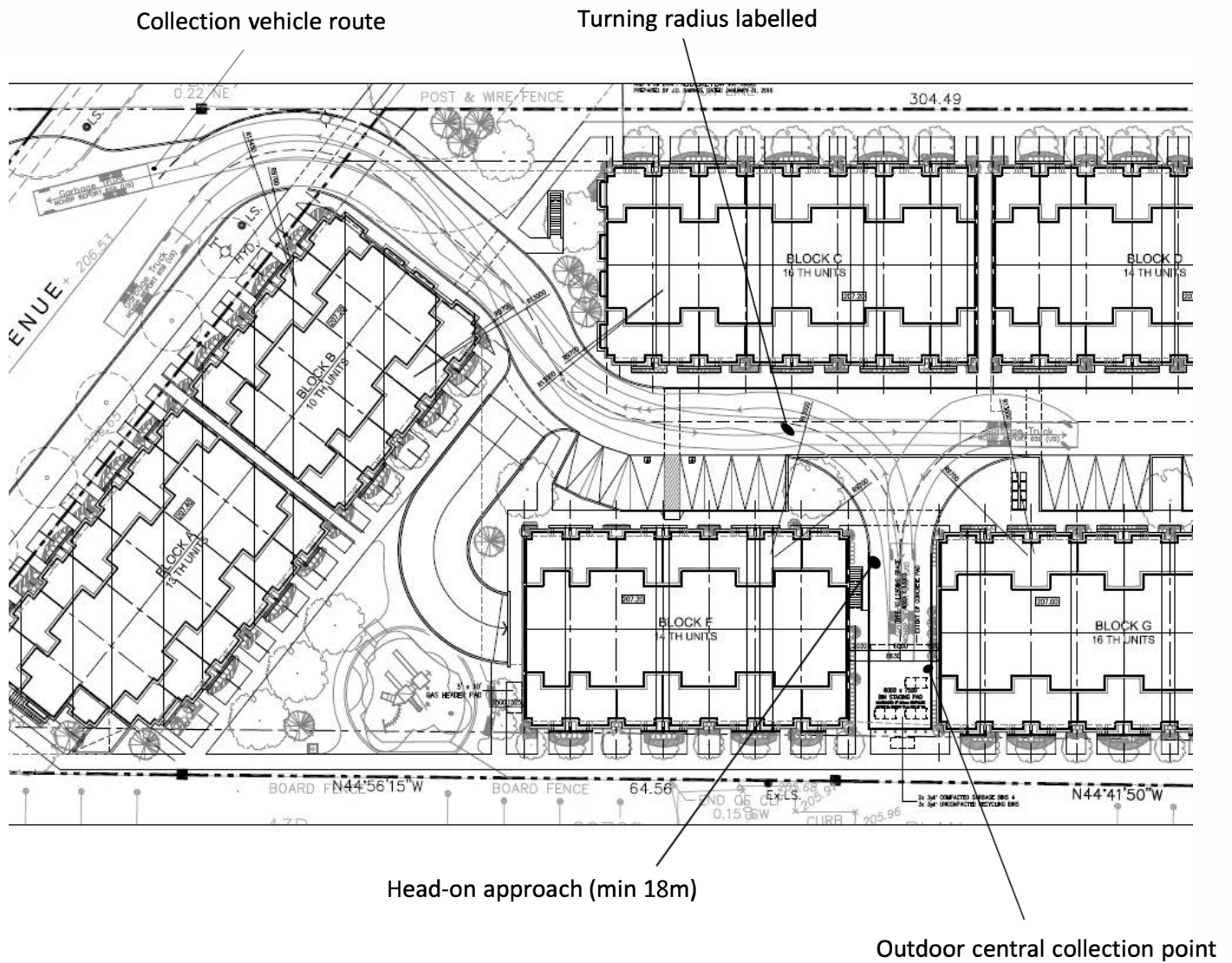
APPENDIX 12: BUSINESS IMPROVEMENT AREA BOUNDARIES

Streetsville BIA



APPENDIX 13: SAMPLE DRAWING OF A MULTI-RESIDENTIAL SITE PLAN THAT MEETS WASTE COLLECTION REQUIREMENTS FOR AN OUTDOOR COLLECTION POINT

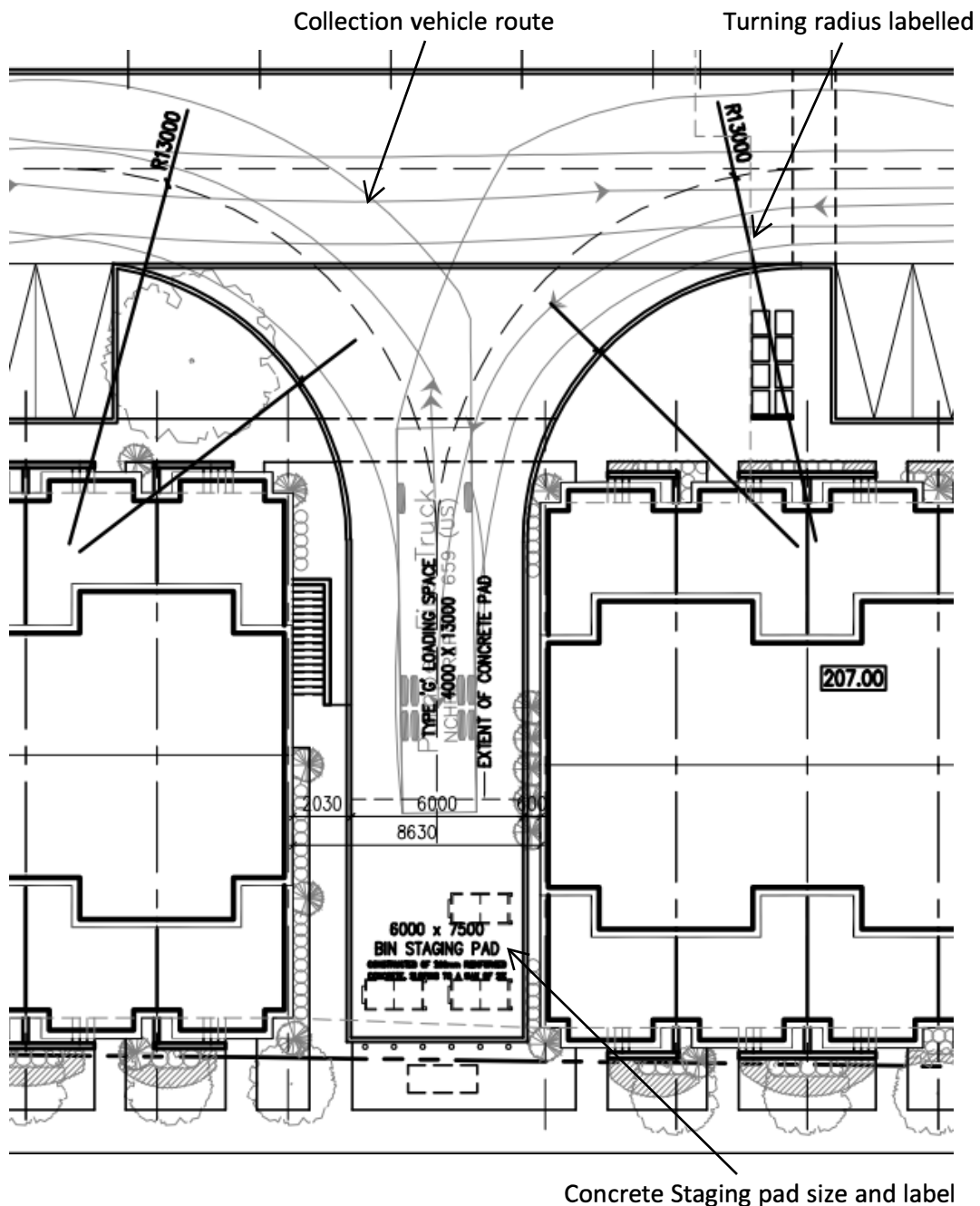
This Site Plan is an example that meets all Waste Collection standards for multi-residential developments. The Waste Collection Vehicle route with the Turning Radius is clearly shown on the Site Plan. A centralized Collection Point has been designed in accordance with this manual.



For Garbage and Recycling collected outdoors, a Set-out area comprised of a level (Max 2% slope) and solid concrete pad is provided. A minimum of 18 metres of straight head-on approach to the Collection Point is also provided.

APPENDIX 13: SAMPLE DRAWING OF A MULTI-RESIDENTIAL SITE PLAN THAT MEETS WASTE COLLECTION REQUIREMENTS FOR AN OUTDOOR COLLECTION POINT

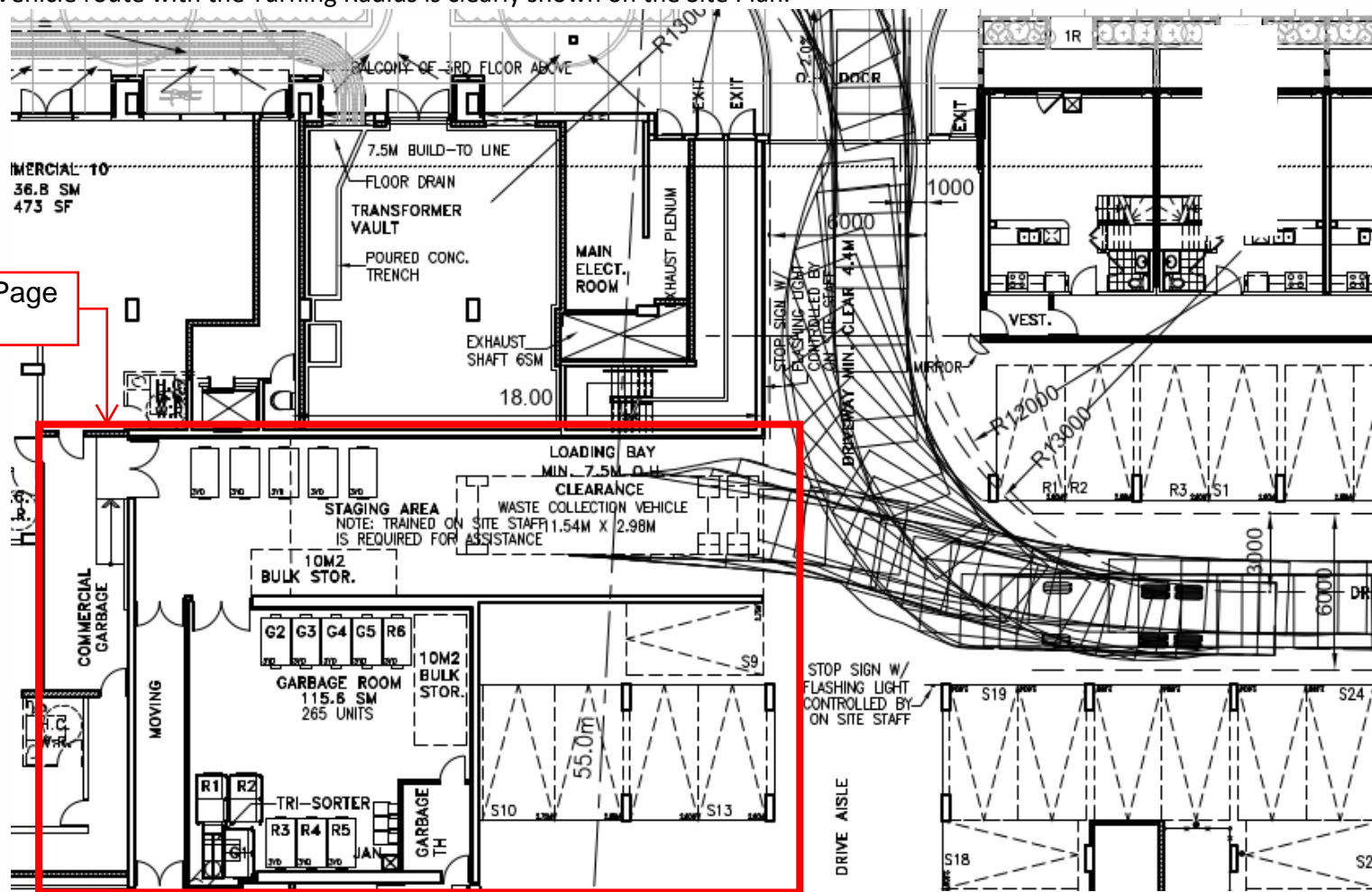
This ground floor plan of the centralized outdoor Collection Point provides the staging layout of Garbage and Recycling Receptacles required for the number of Dwelling Units in the Development.



APPENDIX 14: SAMPLE DRAWING OF A MULTI-RESIDENTIAL SITE PLAN THAT MEETS WASTE COLLECTION REQUIREMENTS (INDOOR WASTE STORAGE ROOM AND INDOOR COLLECTION POINT)

This Site Plan is an example that meets all Waste Collection standards for multi-residential developments. The Waste Collection Vehicle route with the Turning Radius is clearly shown on the Site Plan.

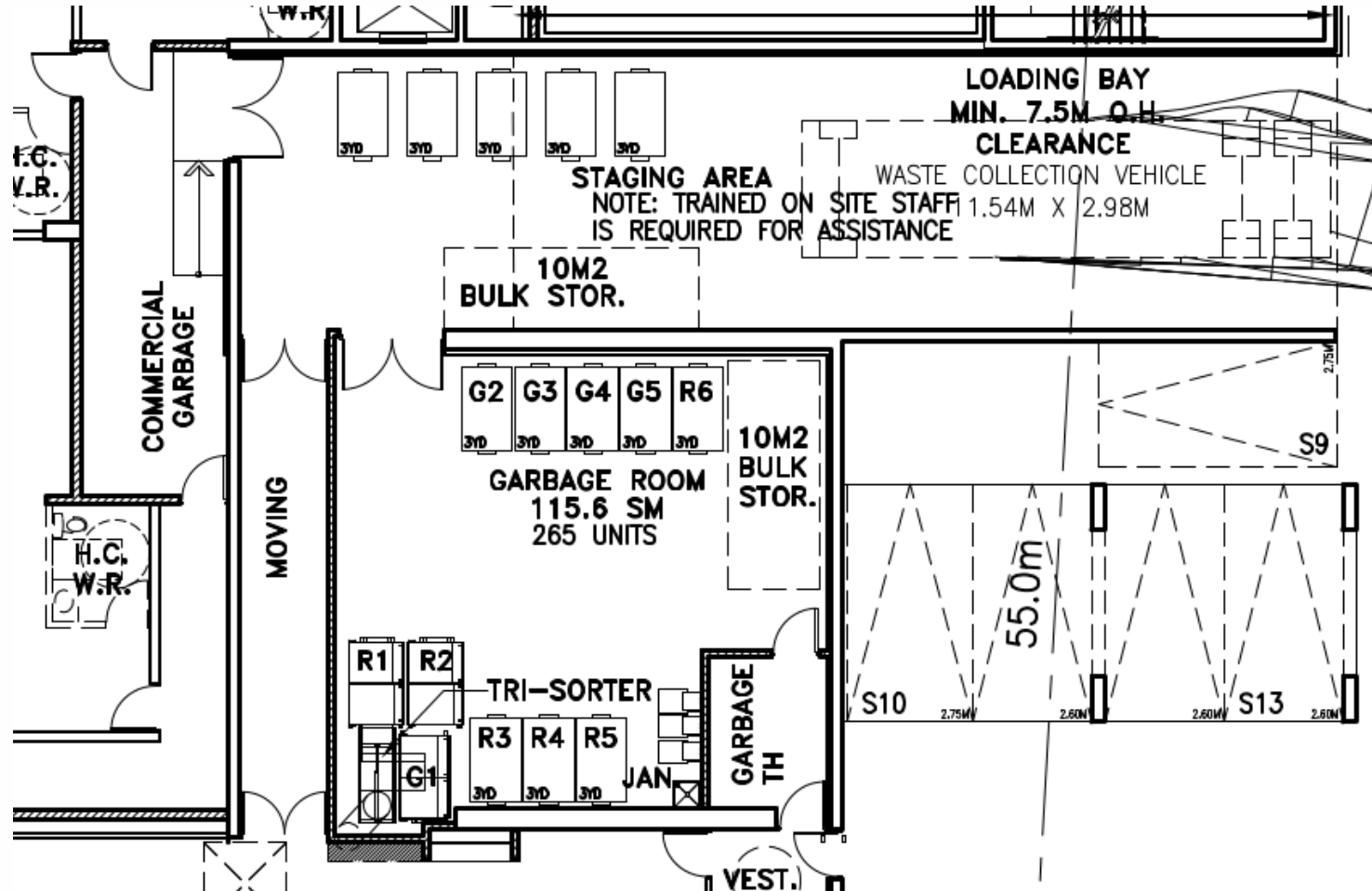
Detailed on Page No. A14-2



Note: Drawing not to scale.

APPENDIX 14: SAMPLE DRAWING OF A MULTI-RESIDENTIAL SITE PLAN THAT MEETS WASTE COLLECTION REQUIREMENTS (INDOOR WASTE STORAGE ROOM AND INDOOR COLLECTION POINT)

This Site Plan provides an example of an indoor Waste Storage Room (on the ground floor) by clearly identifying the type of chute system and all required bins are shown and labelled in storage room and at the collection point including bulky waste storage. The commercial waste storage is separated from residential waste and the overhead clearance is shown at collection point.



Note: Drawing not to scale.