

# City of Edmonton Waste Storage Guidelines for Residential Properties



Edmonton

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# Waste Collection for Residential Multi-family Properties

## Residential Refuse and Recycling Services

The City of Edmonton's Waste Management Services Branch (WMS) provides waste collection services to all single family and multi-family residential properties in Edmonton.

All residential property waste service account holders are responsible for payment of a monthly waste service fee detailed in Schedule A of the *Waste Management Bylaw (Bylaw 13777)*.

Non-residential properties (commercial) are not required to use City waste services. However, City waste collection services are available to this sector on a fee for service basis.

## Multi-family Property Development Review

All new residential *Land Development Applications* (LDAs) submitted to the City's Sustainable Development Branch are circulated to WMS for review regarding waste storage requirements.

WMS reviews and provides comments and/or revisions directly to Sustainable Development or Transportation Planning officers. This may include direct communication to applicants.

WMS welcomes submission of preliminary plans for review prior to submission of LDAs to help expedite the process.

## Multi-family and Contract Services

The City employs a group of Municipal Waste Inspectors that interact with multi-family residential properties once the site has been developed.

The role of the Municipal Waste Inspection group includes:

- Initiating automated or manual waste collection service for new sites
- Interacting with owners/property managers at existing sites to ensure ongoing safe and efficient removal of waste and recyclables
- Initiating processes for repair of damaged waste containers/property

## Contact

Questions or requests regarding residential waste storage can be directed to the Waste Management Services Branch via:

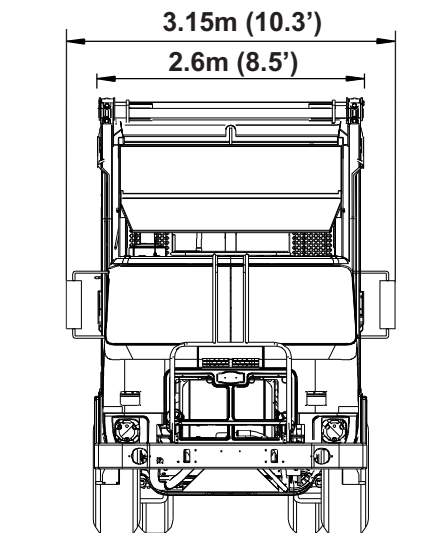
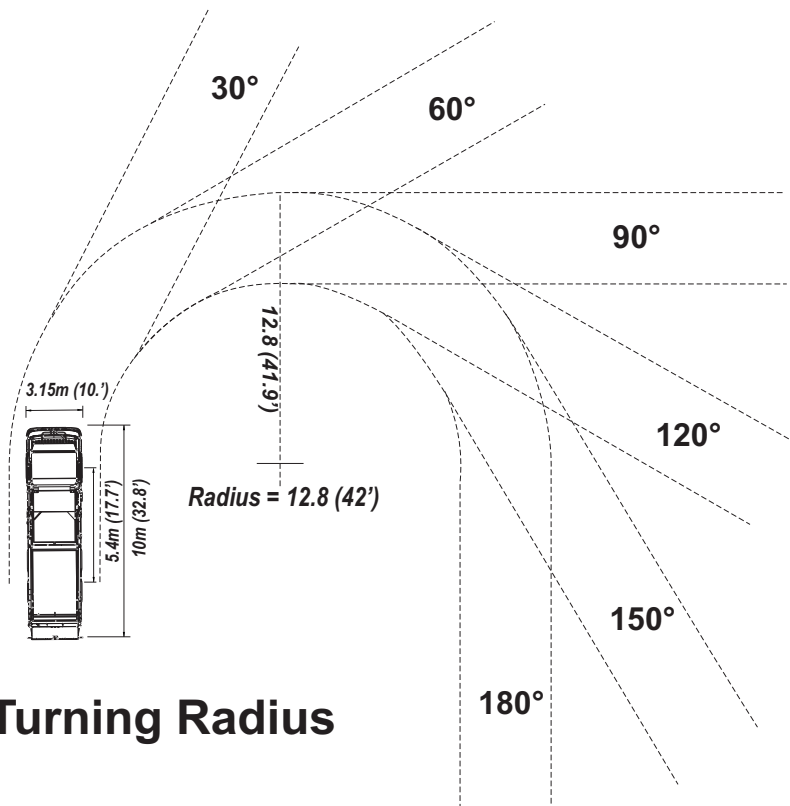
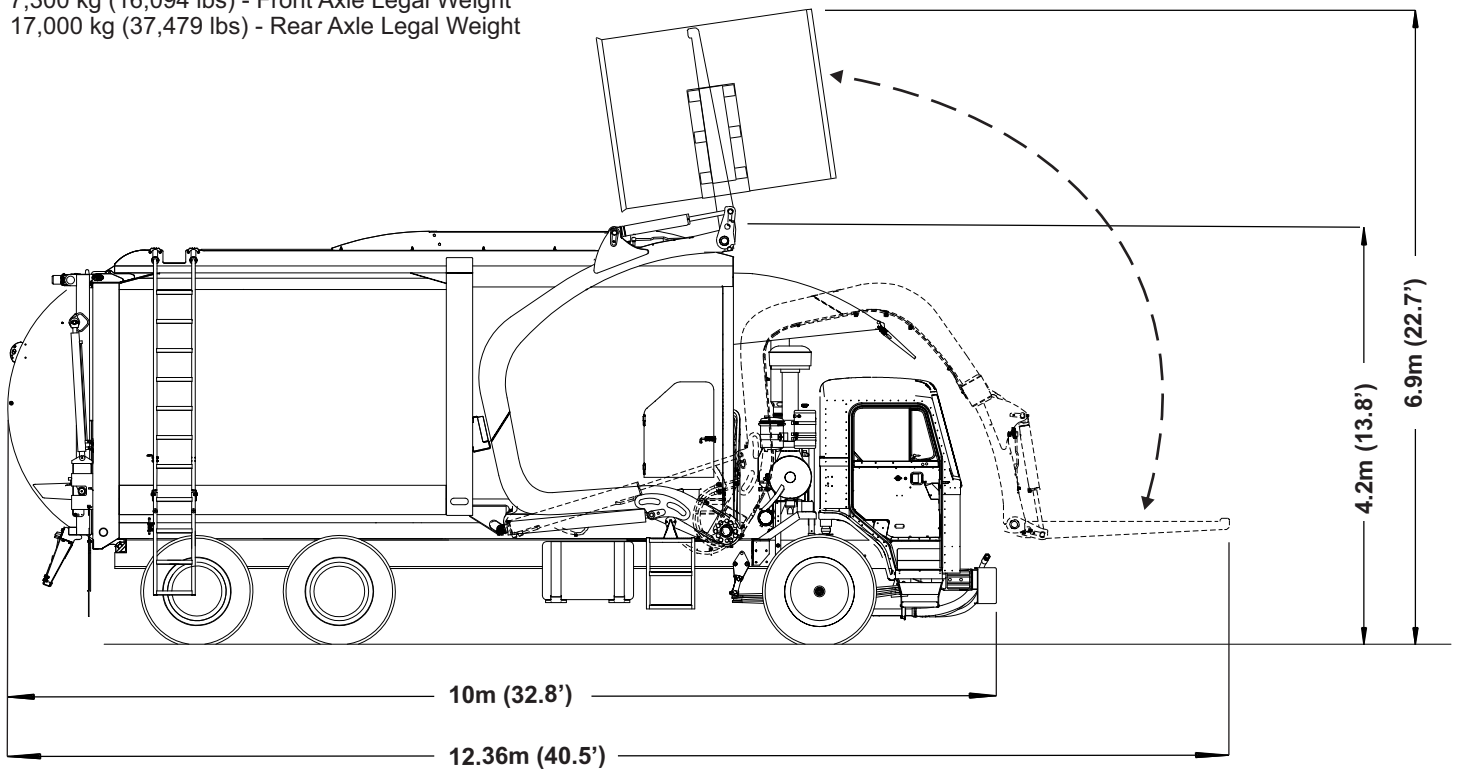
Cory Plummer, Multi-Family Billing Assessor  
[cory.plummer@edmonton.ca](mailto:cory.plummer@edmonton.ca), 780-442-5428

Customer Support Centre  
[wasteman@edmonton.ca](mailto:wasteman@edmonton.ca), 780-496-5698

For More Information: [www.edmonton.ca/waste](http://www.edmonton.ca/waste)

# Front Loading Waste Collection Vehicle Dimensions

7,300 kg (16,094 lbs) - Front Axle Legal Weight  
17,000 kg (37,479 lbs) - Rear Axle Legal Weight



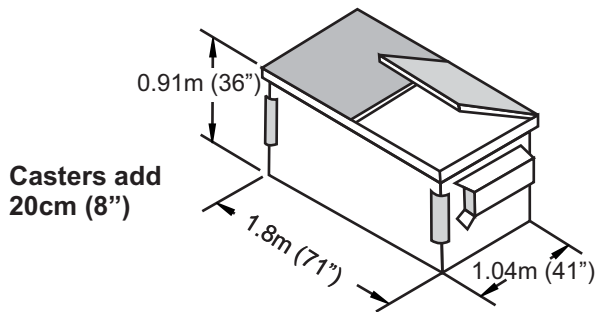
## Turning Radius

**Note** - drawings are not to scale

In case of any conflict between information expressed in Metric and Imperial units, Metric shall govern.

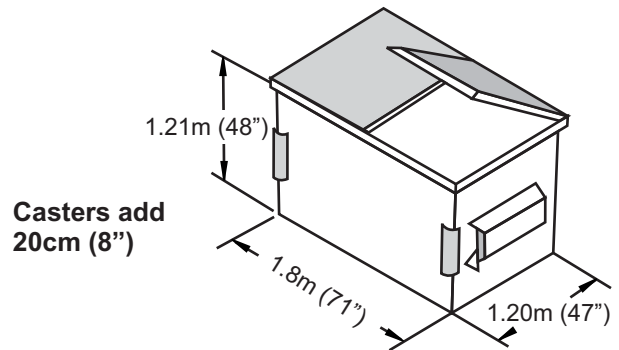
# Front Load Waste Bin Dimensions

## 2 Cubic Yard



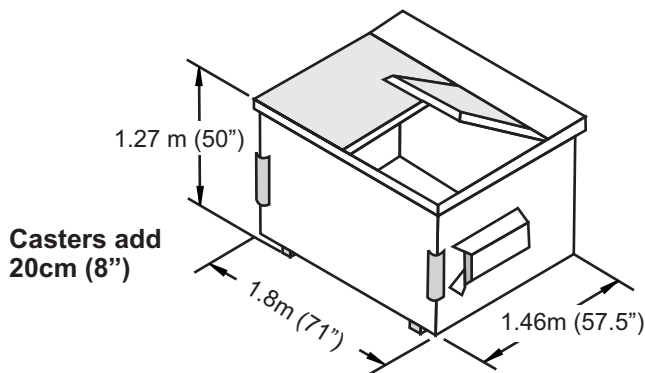
2 yard inside storage area bin  
0.96m (38") high, 1.8m (71") wide, 0.91m (36") deep

## 3 Cubic Yard



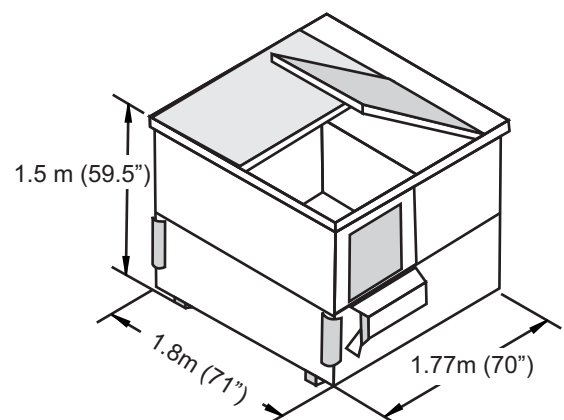
3 yard inside storage area bin  
1.25 m (49.5") high, 1.8m (71") wide, 1m (40") deep

## 4 Cubic Yard

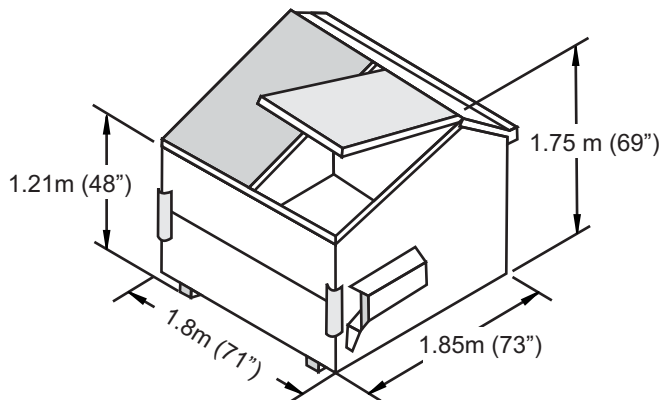


4 yard inside storage area bin  
1.25 m (49.5") high, 1.8m (71") wide, 1.37m (54") deep

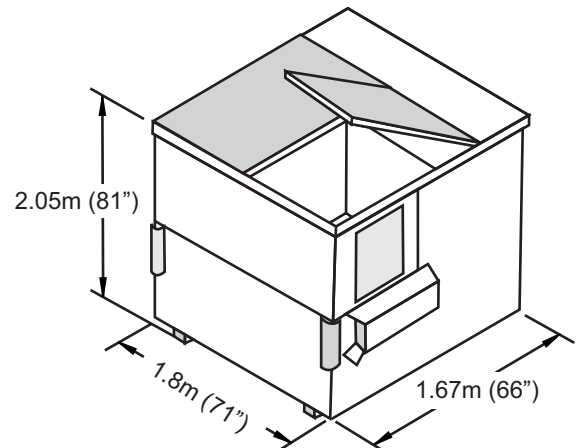
## 6 Cubic Yard



## 6 Cubic Yard Slant



## 8 Cubic Yard



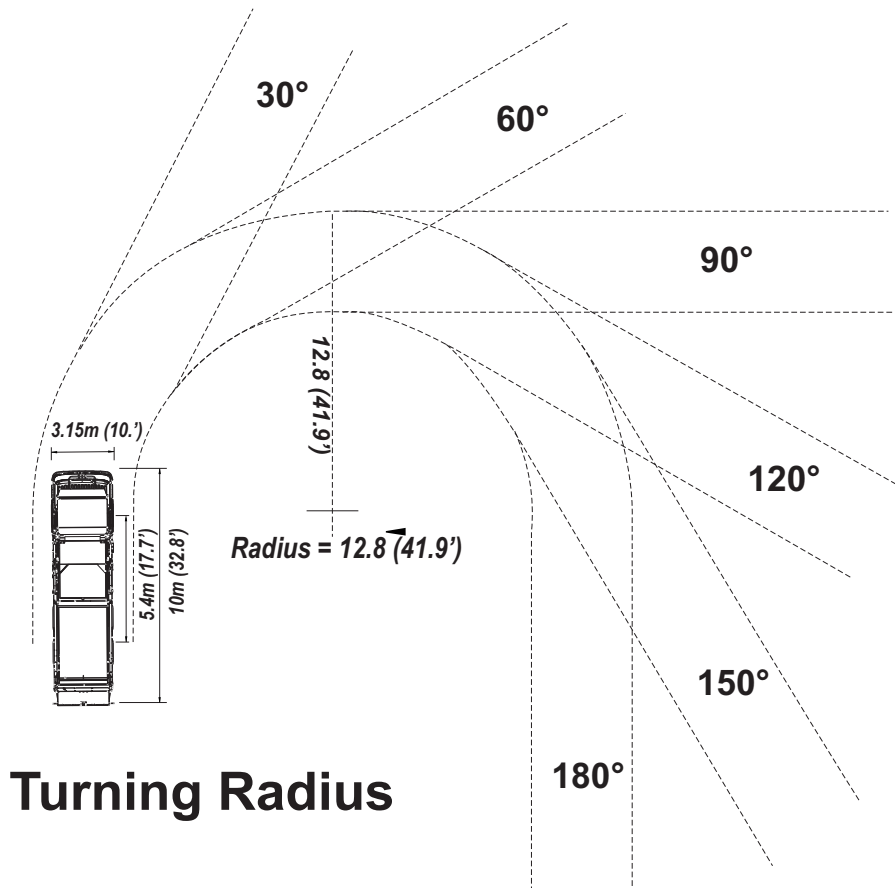
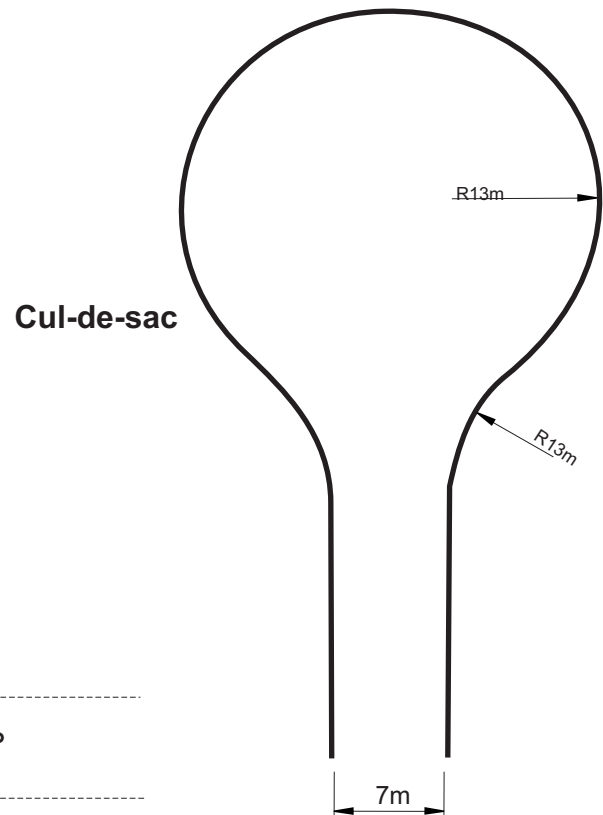
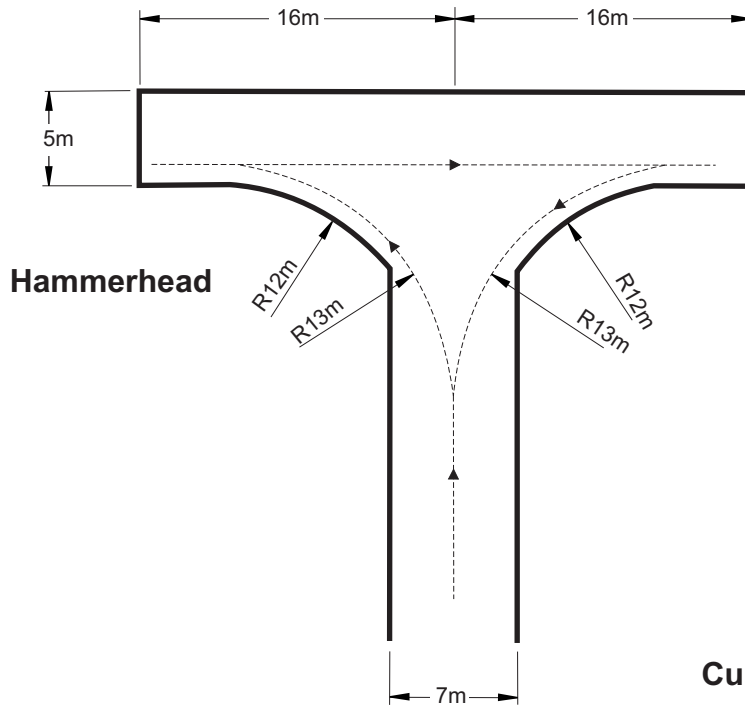
**Note** - Plastic lids add 11.5 cm (4.5") to height,  
bin pockets add 6"  
Bin dimensions may vary depending on model and manufacturer

In case of any conflict between  
information expressed in Metric and  
Imperial units, Metric shall govern.

For Commercial Usage

# Waste Collection Vehicle Turnaround Dimensions

Turnarounds for multi-family sites only. Please refer to City of Edmonton *Roadways Design and Construction Standards* for public roadways.

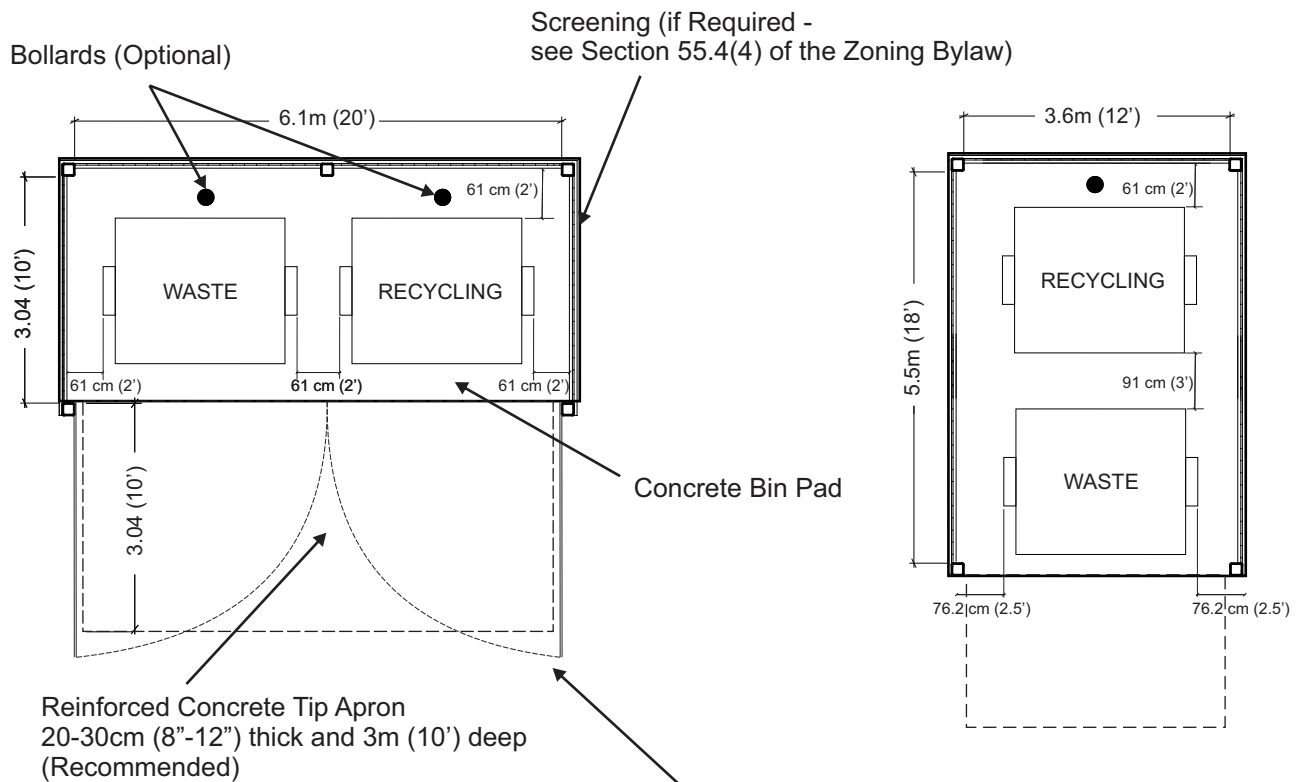


**Note** - drawings are not to scale

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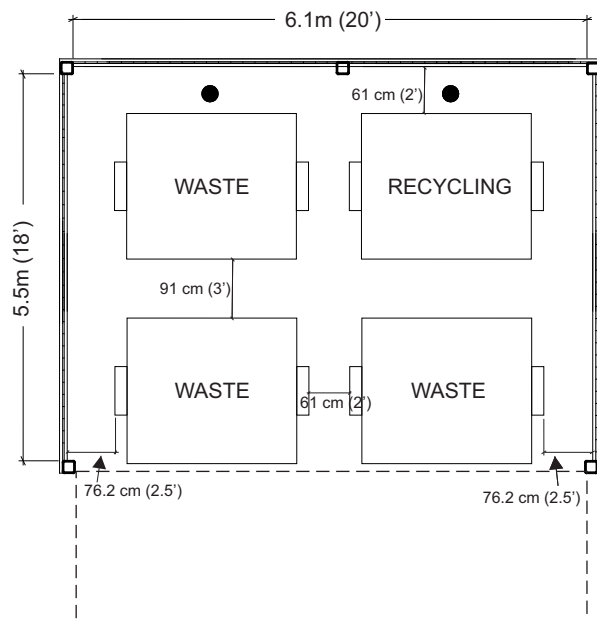
# Non-wheeled Waste Bin Enclosure Configurations (Typically for 12 dwellings or greater)

Note - Measurements denote internal working space

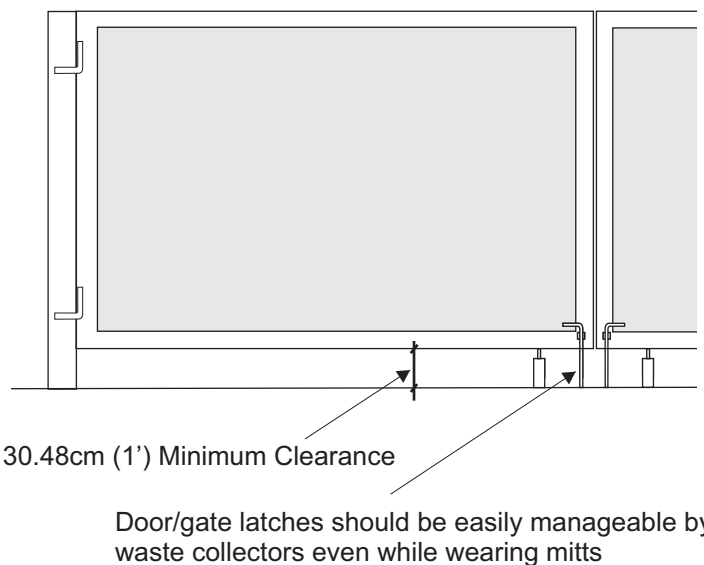


**Note** - the City will not be responsible for any damage to roads or infrastructure on a private site resulting from legitimate operation of waste collection vehicles during waste collection activity at that private site. (source: *Waste Management Bylaw 13777*)

Gates (Optional - Not Preferred)



## Gates



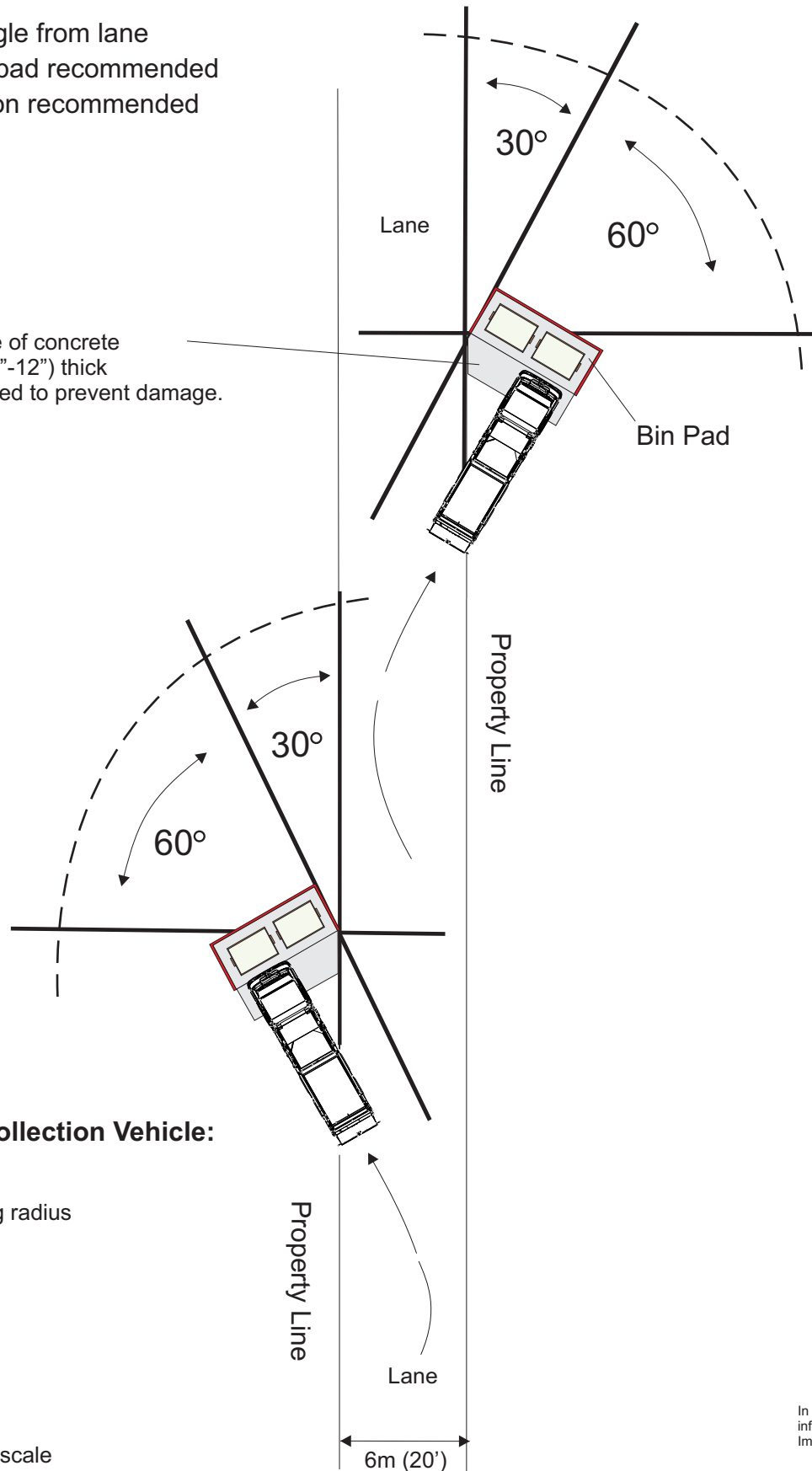
**Note** - drawings are not to scale

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# Waste Bin Enclosure Angle for Lane Service

- ✓ 60 degree angle from lane
- ✓ Concrete bin pad recommended
- ✓ Concrete apron recommended

Apron made of concrete  
20-30cm ( 8"-12") thick  
recommended to prevent damage.



## Front load Waste Collection Vehicle:

- 10 metres (32.8') long
- 12.8 metre (42') turning radius

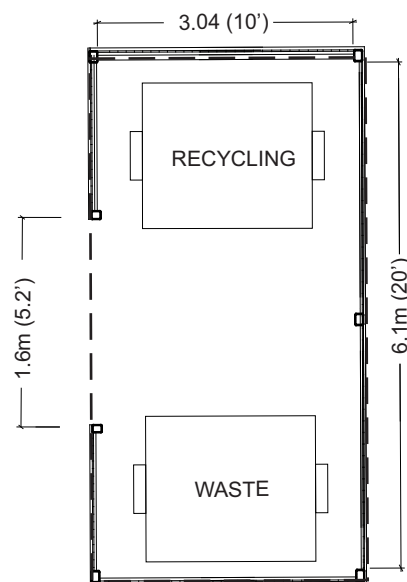
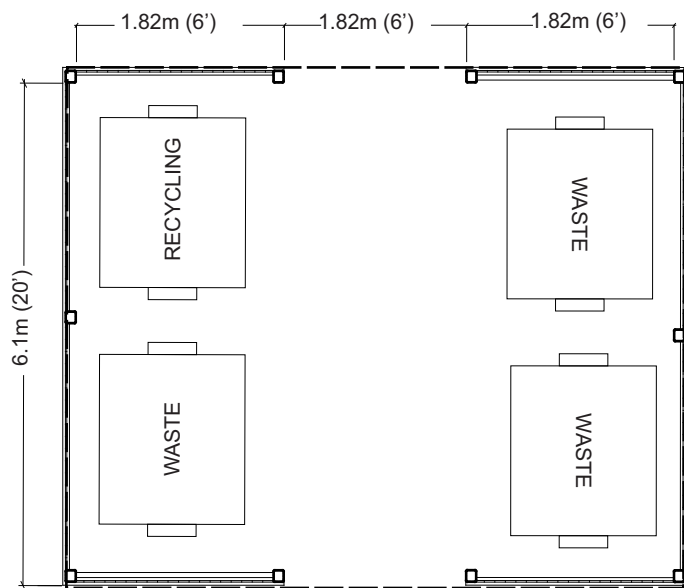
**Note** - drawings are not to scale

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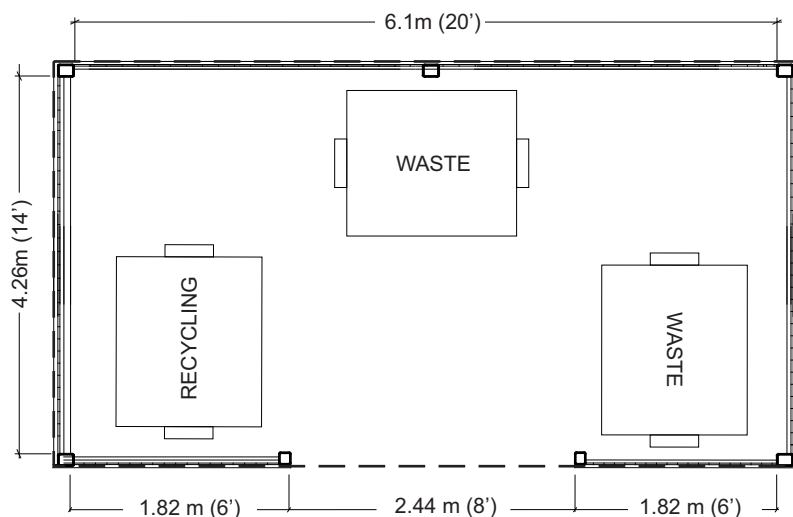


# Outdoor Wheeled Waste Bin Enclosure Configurations

Note - Measurements denote internal working space



Screening (if Required - see Section 55.4(4) of the Zoning Bylaw)



## \*IMPORTANT

Use of wheeled bins require frequent snow shovelling in winter months by site owners/property managers to ensure unobstructed movement of bins.  
An acknowledgment letter may be required.



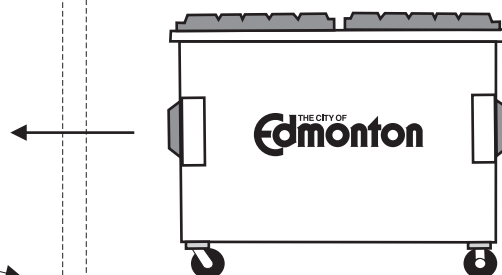
## \*IMPORTANT - Wheeled bins and City back lanes

Due to potential for obstruction issues in winter months caused by snow and ice accumulations the City of Edmonton will not service wheeled bins from back lanes (i.e. City roadways).

**Max. Bin rollout distance** - rollout distances are not greater than 9.1 metres (30 feet) indoors, 6.1 metres (20 feet) outdoors.

Transition from waste storage area to service area should be smooth and at grade with no lip or curb.

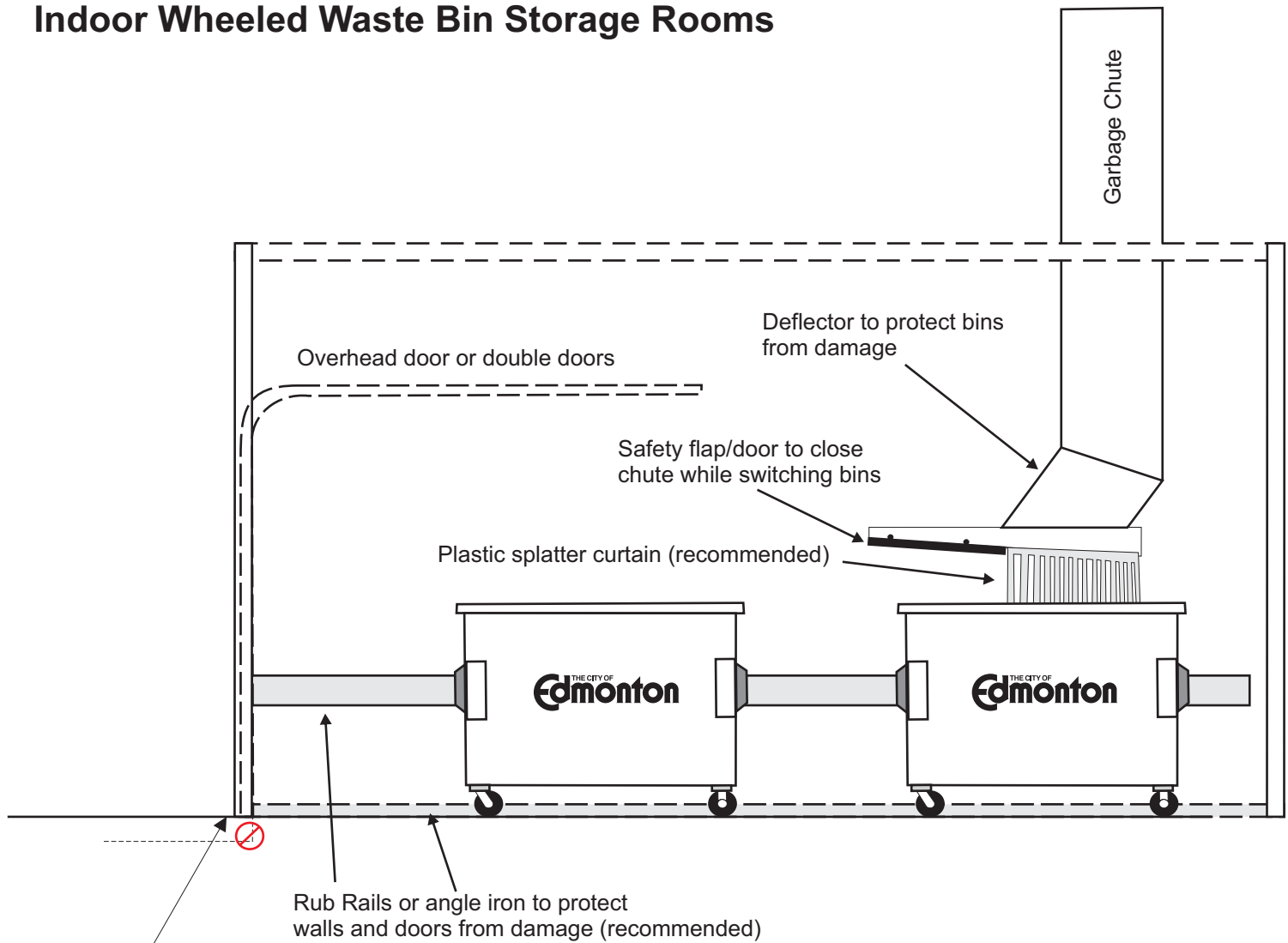
For safety reasons the maximum size bin the City allows with casters is 4 cubic yards.



Note - drawings are not to scale

In case of any conflict between information expressed in Metric and Imperial units, Metric shall govern.

# Indoor Wheeled Waste Bin Storage Rooms



Transition from waste storage area to service area should be smooth and at grade with no lip or curb.

**Indoor waste bin storage areas** - indoor storage rooms are as close to the exterior of the building as possible, involve a straight run to the exit door, and door(s) are adequately sized to avoid damage. Rub rails should be installed to prevent wall scrapes. Garbage chutes should be equipped with a deflector, to prevent damage to the bins, and a safety flap to allow for closure of the chute while moving the bin or cleaning in the vicinity.

**Max. Bin rollout distance** - rollout distances are not greater than 9.1 metres (30 feet) indoors, 6.1 metres (20 feet) outdoors. (City crews will not move bins distances greater than listed above).

**Space to service wheeled bins on private property** - Collection crews will not roll out/collect bins with casters from City lanes due to obstruction issues in winter months caused by snow and ice accumulations.

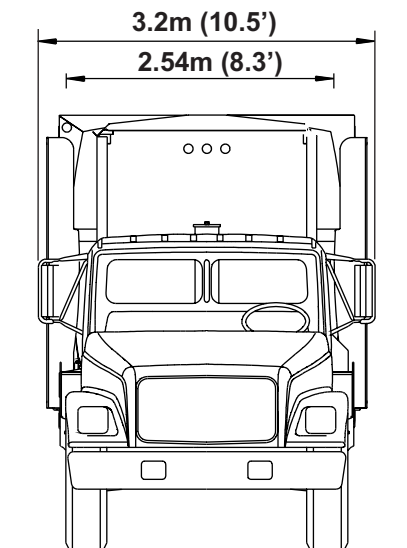
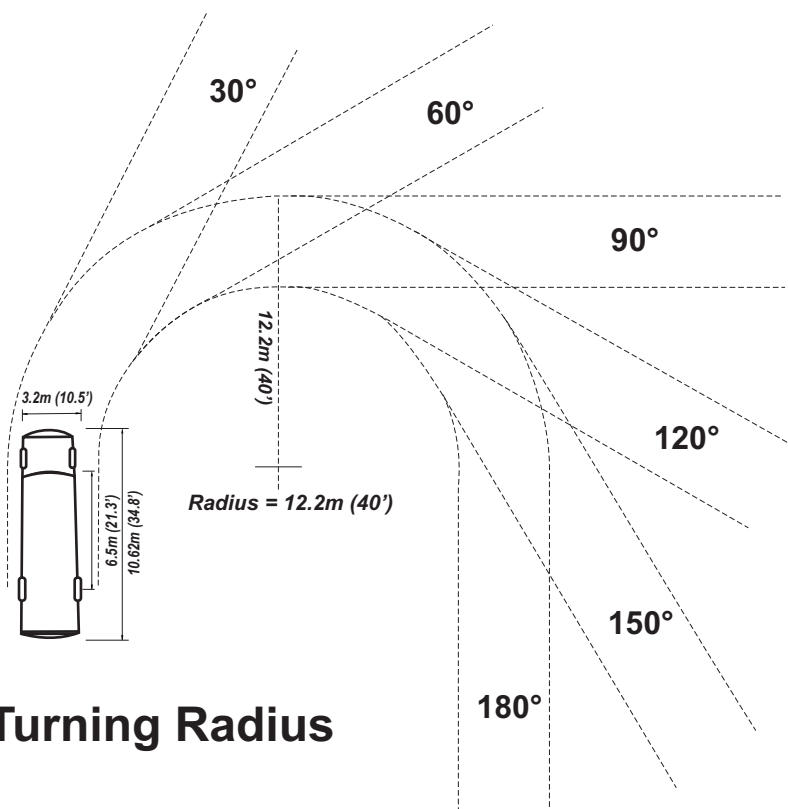
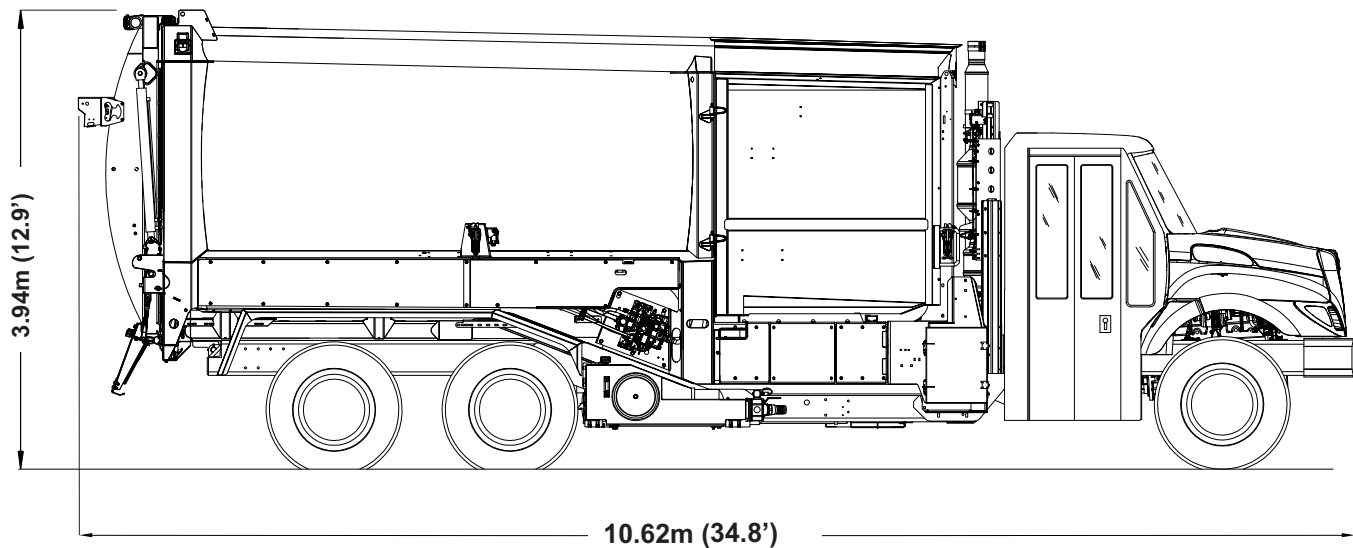
## Downtown Downtown Special Area Zoning Regulations

**Garbage and Services** (Section 910.4(4) of the Zoning Bylaw)

- Any trash collection area or storage area, shall be located adjacent to the lane and shall be within the principle building.
- The gates and/or doors of the garbage enclosure must not open or encroach into the abutting road right-of-way.

**Note** - drawings are not to scale

# Manual Side-loading Waste Collection Vehicle Dimensions



## Turning Radius

**Note** - drawings are not to scale

In case of any conflict between information expressed in Metric and Imperial units, Metric shall govern.

# Manual (Hand) Collection Waste Enclosures

### Access

The cans should be accessed from the side, not the top. This is very important. It is unsafe for a collector to lift a full garbage can out the top of a stand. It is safer for them to pull it out the side.

### Size

Large enough to accommodate garbage cans, yard waste in the summer and blue bag recyclables.

### Height

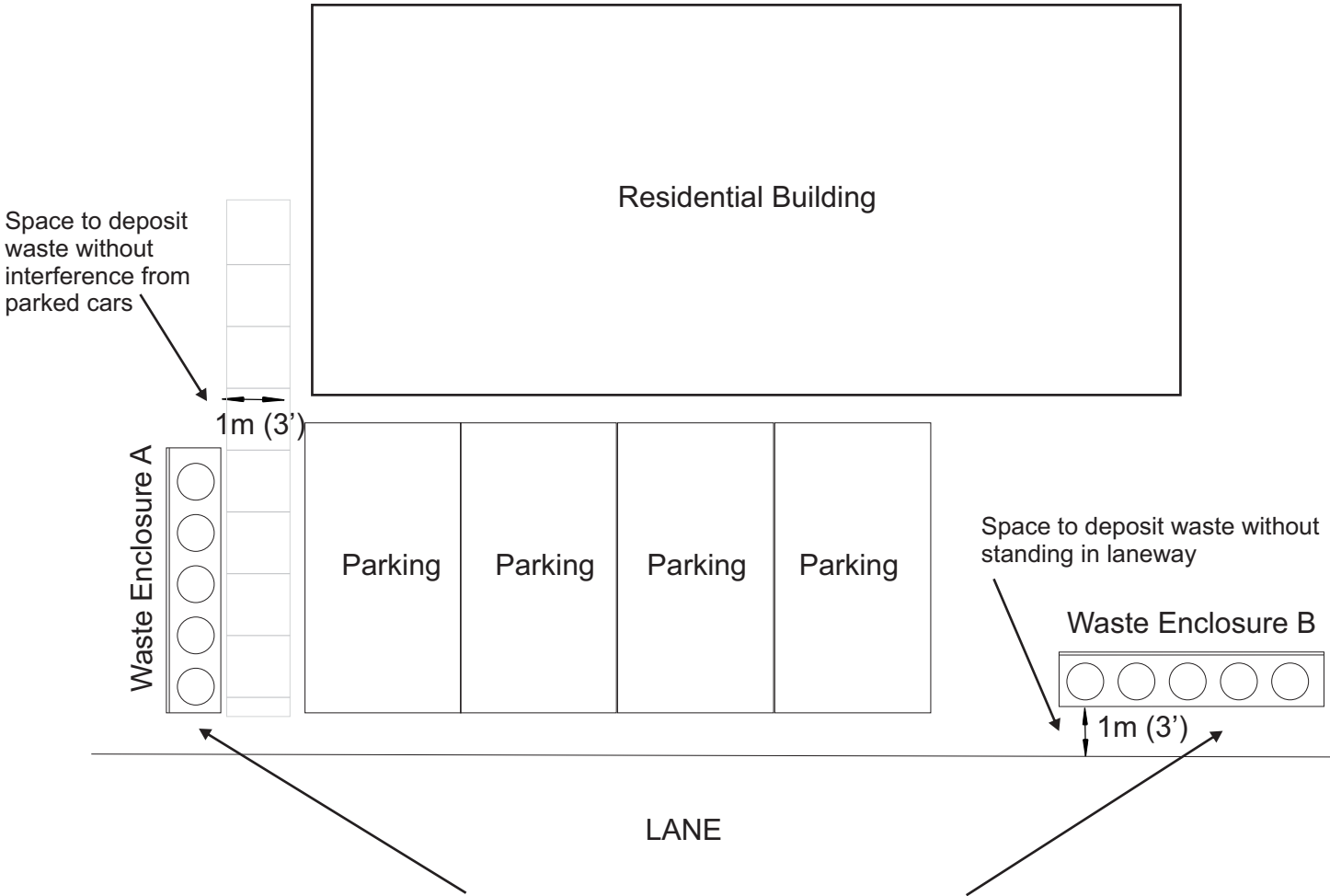
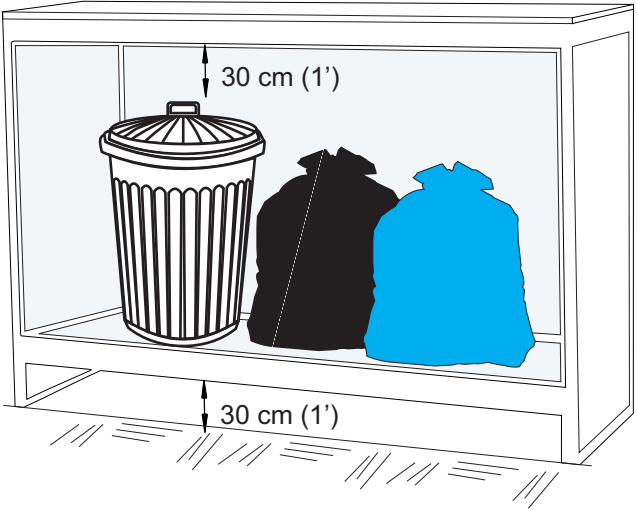
The floor of the stand should be about 30 cm (1 ft) high.

### Latches

If it has doors, they should be hinged on the sides, not the top. Also, the latches should be operable while wearing big mittens or gloves.

### Location

The stand location should be no further than 3 meters (10 ft) from the rear property line.

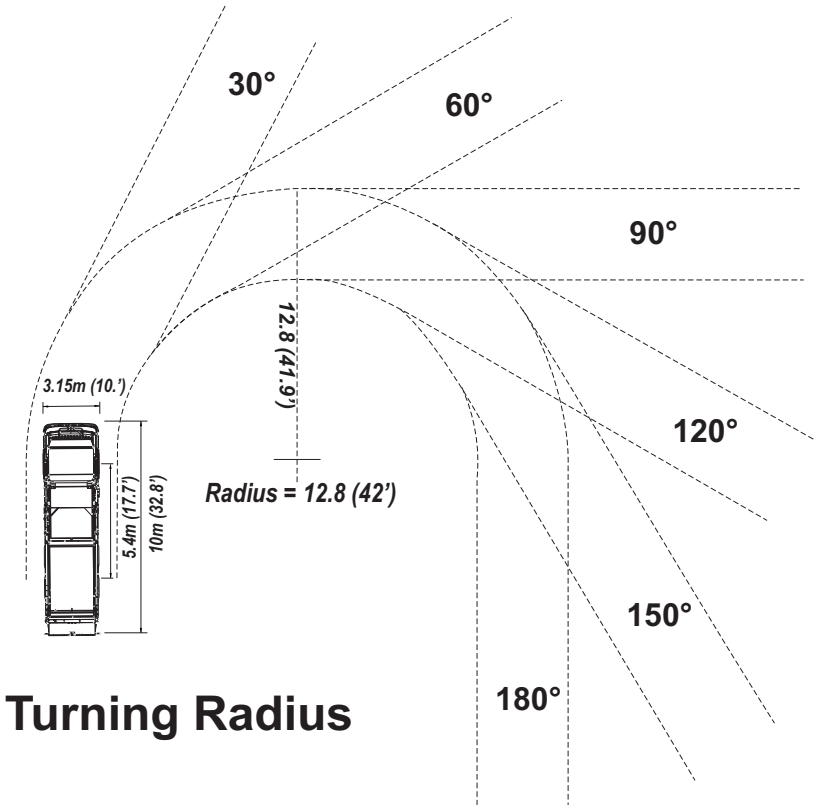
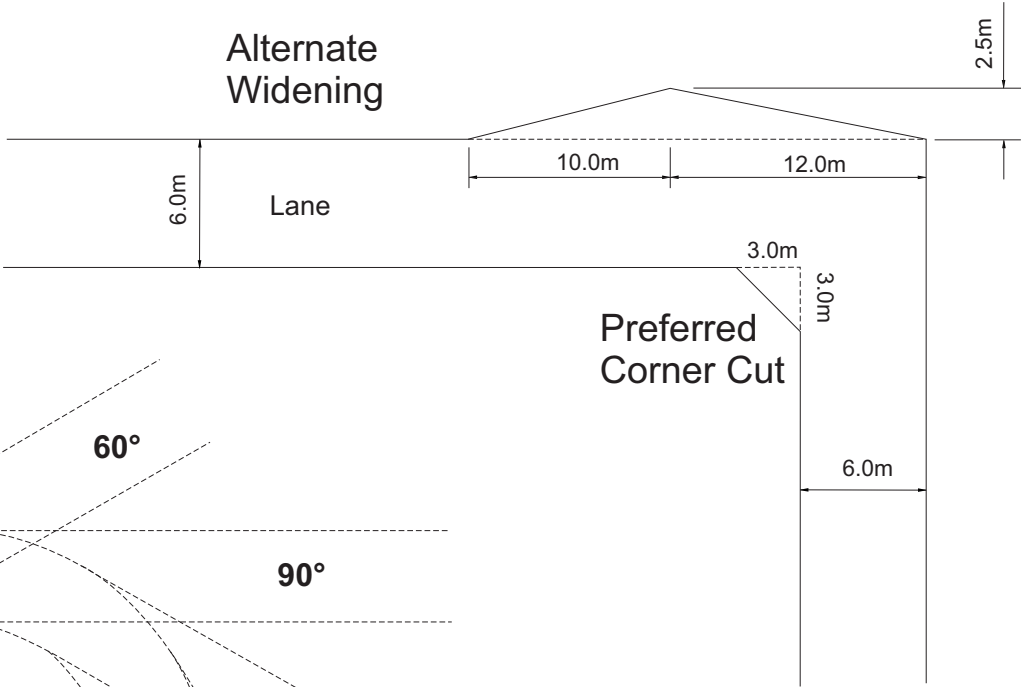
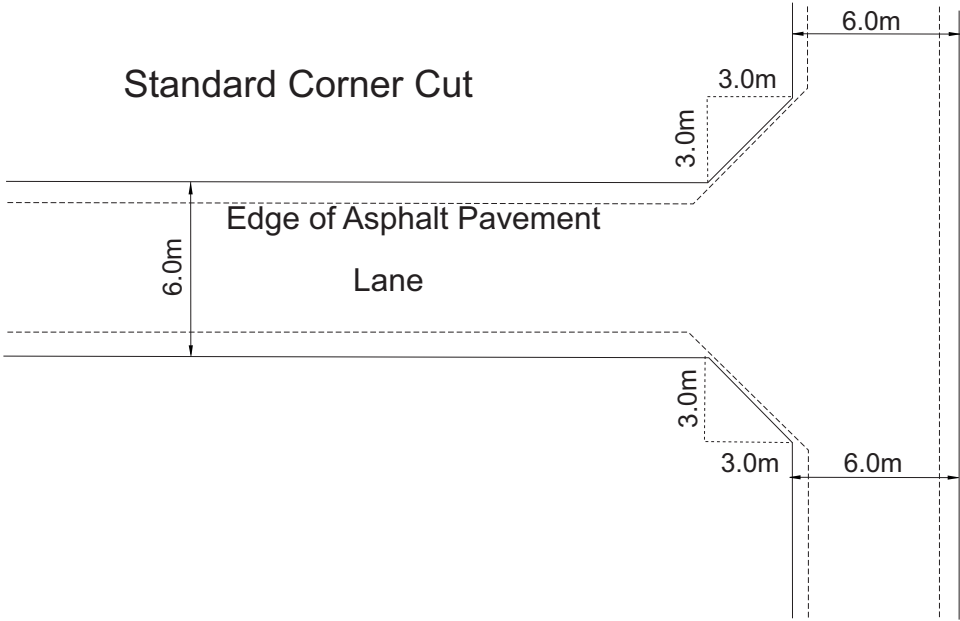


**\*IMPORTANT** - No further than 3 meters (10 ft) from the rear property line.

In case of any conflict between information expressed in Metric and Imperial units, Metric shall govern.

**Note** - drawings are not to scale

# Corner Cuts and Roadway Widening



**Note** - drawings are not to scale

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# Waste Storage Area Requirements Checklist

## Access and Exit

- ☐ **Adequate turn radius** - turning radius for the front-loading waste collection vehicle is 12.8m (42'). Turning radius for the manual (hand collection) side-loading collection vehicle is 12.2m (40'). Turning radius included on site plan (projected using Auto TURN or similar software if available).
- ☐ **Adequate roadway width** - to allow unrestricted movement of collection vehicles even with vehicles parked on both sides.
- ☐ **Adequate bin pad strength** - concrete bin pad of adequate size and strength for each bin storage area.
- ☐ **Adequate roadway strength** - the area directly in front of the bin storage location should be designed for the extra loading pressures experienced during the collection process (i.e. concrete apron)
- ☐ **Adequate curbside access (manual collection)** - unrestricted movement required (several feet on each side of parked vehicles) to avoid damaging parked vehicles and/or injury to the waste collector.
- ☐ **Adequate amount of walking space (manual collection)** - good access to the waste set out location by ensuring adequate amount of walking space for waste collectors.
- ☐ **Safe and reasonable access** - waste configuration avoids requirement for the collection vehicle to back in excess of 5 to 7 metres (16 to 23 feet), turn while backing, or to back onto a busy roadway.
- ☐ **Overhead utility wires** - bin location and collection points are situated away from any overhead utility wires to guarantee safety during collection activity.
- ☐ **Waste storage area above underground parkade** - front-loading collection points located above underground parkades require a letter from a certified engineer stating the parkade is able to withstand the extra pressures experienced during collection activities.

## Waste Storage Area

Is the waste storage area adequate for number of bins/cans/piles of bags required for waste and recycling at the site?

**Bin entitlement formula** = 0.25 cubic yard of refuse per week per unit and 0.125 cubic yard of recycle service per week per unit.

- ☐ **Smooth grade level surface** - bin locations are at grade level. For bins on casters ground is smooth, level, at grade and ice, snow or mud accumulations have been adequately removed. *\*Bin locations, which do not require movement of the bins to the collection point are preferred.*
- ☐ **Collection distance (manual collection)** - can stands must be located within 3 metres (10 feet) of the rear property line.
- ☐ **Max. Bin rollout distance** - rollout distances are not greater than 9.1 metres (30 feet) indoors, 6.1 metres (20 feet) outdoors. (City crews will not move bins distances greater than listed above).
- ☐ **Adequate space for waste and recycling** - allowance has been made for storage of two bins: one for refuse and one for recyclables.
- ☐ **Non-interference with truck and safe access** - bin enclosure constructed to avoid interference with the collection vehicle truck and gates provide 30.48cm (1') clearance above the ground. Enclosures should allow safe access for the residents. No gates are preferred.
- ☐ **Indoor waste bin storage areas** - indoor storage rooms are as close to the exterior of the building as possible, involve a straight run to the exit door, and door(s) are adequately sized to avoid damage. Rub rails should be installed to prevent wall scrapes. Garbage chutes should be equipped with a deflector, to prevent damage to the bins, and a safety flap to allow for closure of the chute while moving the bin or cleaning in the vicinity.
- ☐ **Space to service wheeled bins on private property** - Collection crews will not roll out/collect bins with casters from City lanes due to obstruction issues in winter months caused by snow and ice accumulations.
- ☐ **Mixed residential and commercial usage** - separate waste enclosures/waste storage areas have been allocated for residential and commercial waste streams. In cases where room is insufficient shared services available at City residential rates.