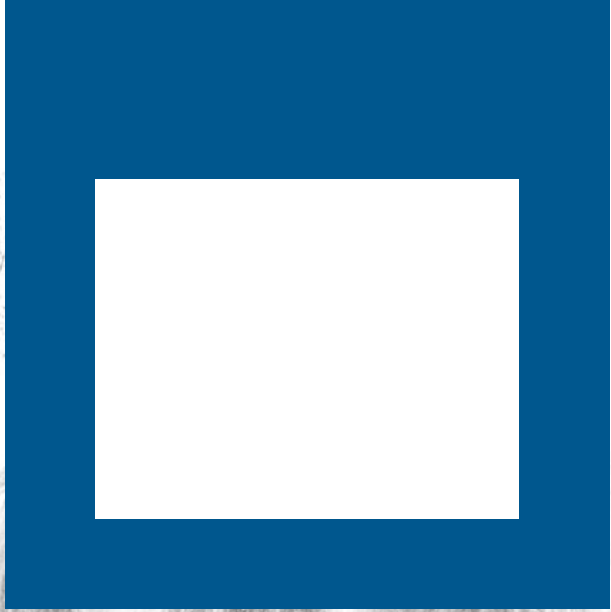




UPDATE TO HAMILTON'S SOLID WASTE COLLECTION DESIGN GUIDELINES FOR DEVELOPMENTS

Public Works Committee

November 1, 2021

BACKGROUND

- Solid Waste Collection Design Guidelines for Developments (Design Guidelines) guide staff comments on new developments
- Design Guidelines last revised in 2015
- Changes to the Guidelines needed due to a change in the way new developments are being designed

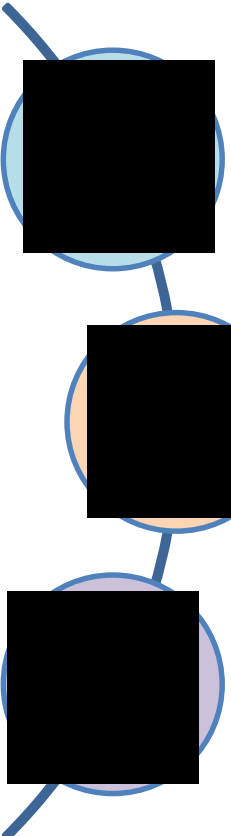


PURPOSE OF DESIGN GUIDELINES

- Ensure new developments are designed and constructed to allow safe and efficient waste collection
- Secure resident accessibility to City's waste diversion programs
- Communicate a consistent design standard for new multi-residential construction projects to the development industry



UPDATE PROCESS



Internal Working Group

Planning and Economic Development, Waste Collections

Municipal Benchmarking

Toronto, Peel Region, Halton Region, Niagara Region,
Richmond Hill, London, Vancouver, Brantford, Guelph

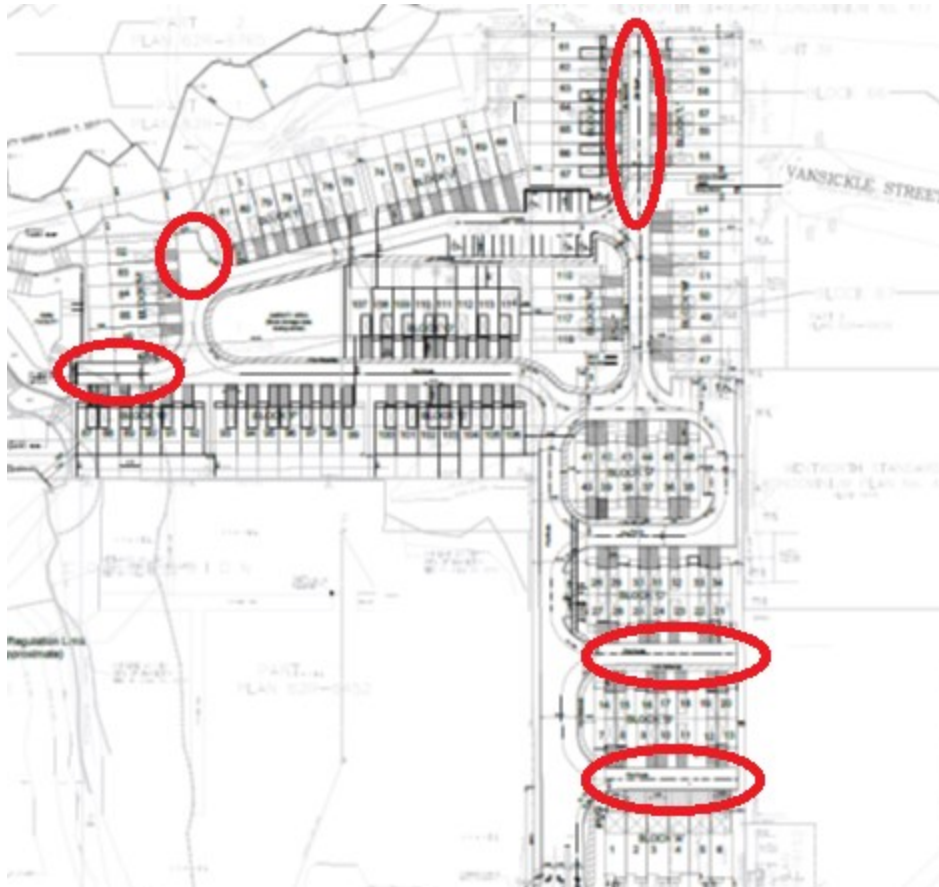
External Consultation

West End Home Builder's Association, Hamilton / Burlington
Society of Architects

KEY DISCUSSION ITEMS

- Turnaround dimensions
- Private waste collection
- Waste storage
- Chute infrastructure

TURNAROUND DIMENSIONS AND QUANTITY



TURNAROUND DIMENSIONS

How turnaround areas support the purpose of the Design Guidelines:

- Used by collection vehicles for three-point turns when continuous forward motion is not achievable

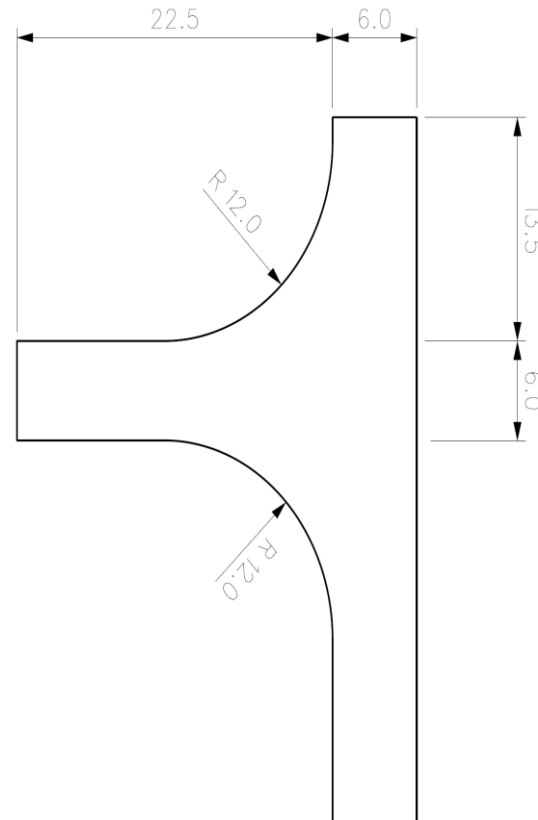
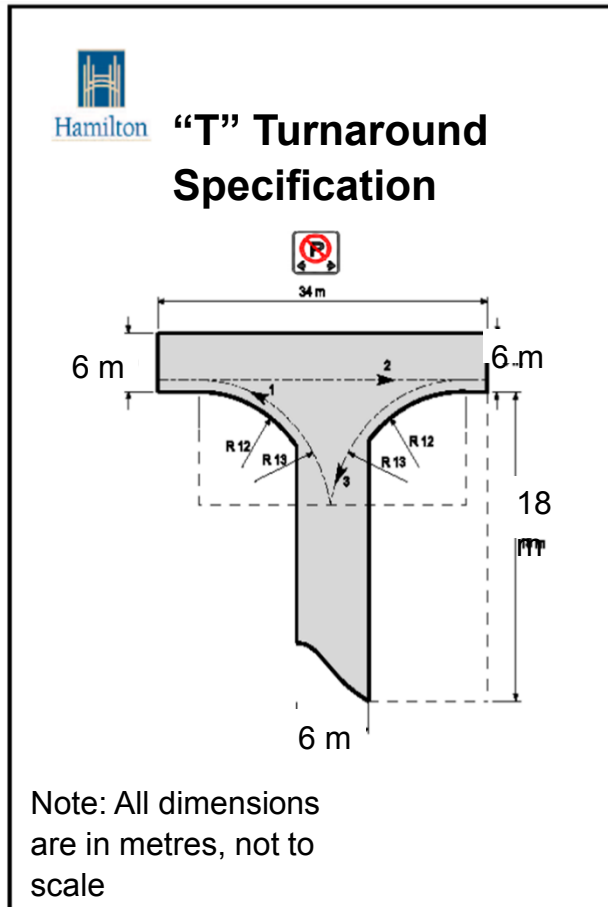
Proposed:

- Size of current turnaround area maintained
- Include new turnaround area for narrow sites
- No dwelling units or accessory uses fronting where collection vehicles reverse
- Limit of one turnaround area per development

Rationale:

- Turnaround dimensions accommodate current collection vehicles
- Smaller turnaround areas would require purchasing smaller collection vehicles

TURNAROUND DIMENSIONS



PRIVATE WASTE COLLECTION

How private waste collection supports the purpose:

- Restricting private waste collection increases resident accessibility to the City's waste diversion programs

Proposed:

- Approval for new developments to be designed for private waste collection will come from staff
- PW and PED staff approval based on site constraints and applicable policies

Rationale:

- Reduced impact on residents – more developments can receive waste collection and access to diversion programs through the City

PRIVATE WASTE COLLECTION



WASTE STORAGE DIMENSIONS

How waste storage supports the purpose of the Design Guidelines:

- Sufficient on site waste storage is necessary to secure resident accessibility to waste diversion programs
- Hamilton's waste program requires storage of garbage, organics and two recycling streams with once / week collection for each

Proposed:

- New developments must be designed to store eight days of waste
- Storage area includes bulk waste

Rationale:

- Ensure sufficient waste containers on-site for program participation
- Decrease occurrences of bulk waste disposed at curb

CHUTE INFRASTRUCTURE

How chute infrastructure supports the purpose of the Design Guidelines:

- Chute systems capable of diverting waste support resident accessibility to waste diversion programs

Proposed:

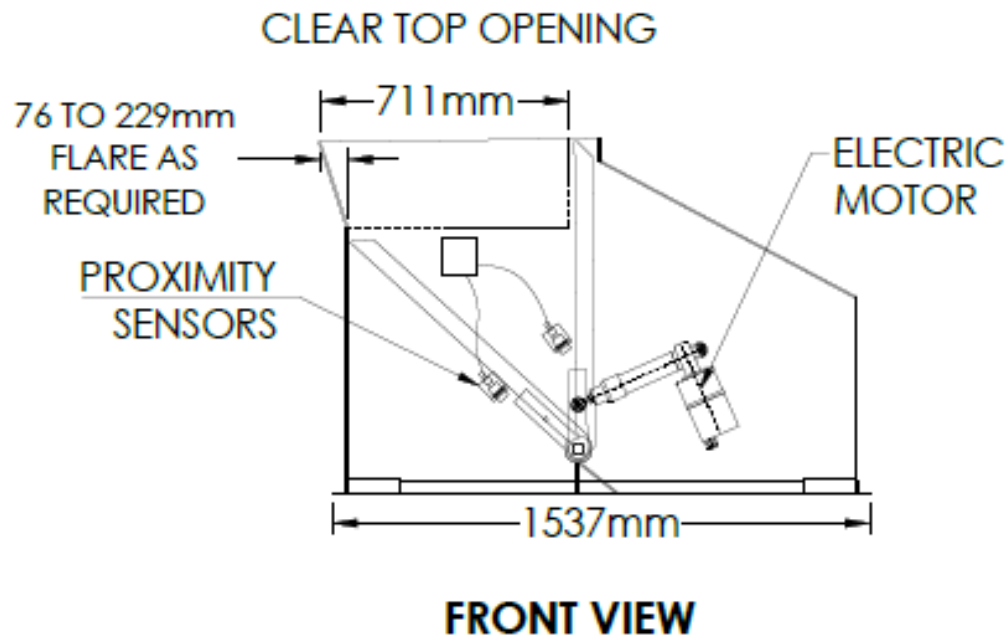
- One chute for garbage, one chute for organics and one chute with a bi-sorter for both recycling streams

Rationale:

- Removes barriers caused by chutes with sorters
- Provides flexibility with blue box transition
- Waste by-law updated to allow for this service

CHUTE INFRASTRUCTURE

How bi-sorters operate:



TRANSITION TO UPDATED POLICY

- Updated Design Guidelines will come into effect when approved by Council
- At that time, all development applications received by the City will be required to comply with the updated Design Guidelines
- Any complete development applications received prior to this date will **NOT** be required to comply with the updated Design Guidelines

FLEXIBILITY



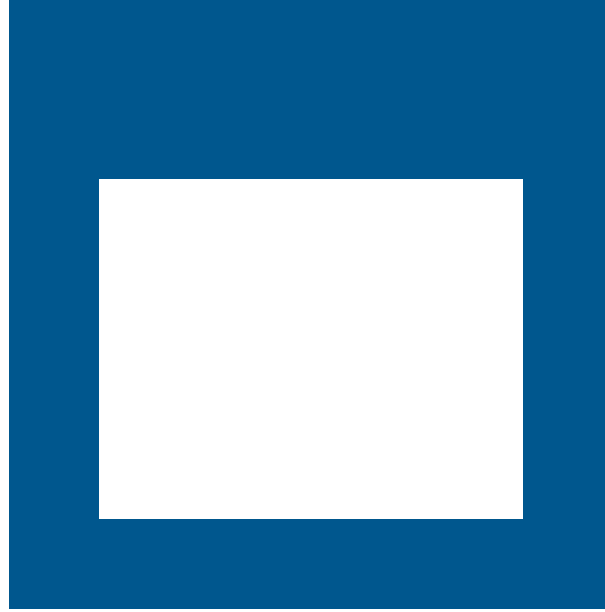
Staff are provided flexibility when applying the Design Guidelines to ensure developments:

- Conform to urban design and density objectives of applicable land use policies;
- Do not conflict with existing character of the street; and
- Are consistent with existing heritage features and / or surrounding context

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Updated Design Guidelines:

- Uphold existing principles of safe and efficient waste collection and accessibility to waste diversion programs by residents
- Developed through extensive internal and external consultation with staff from PED and Waste Collections as well as the development industry;
- Will be applied with a similar collaborative approach; and
- Provide staff with flexibility when reviewing development applications and consultation with PED



THANK YOU