



UDM**Refresh**

URBAN DESIGN MANUAL REFRESH

CITY OF WATERLOO

Informal Public Meeting

May 17, 2021



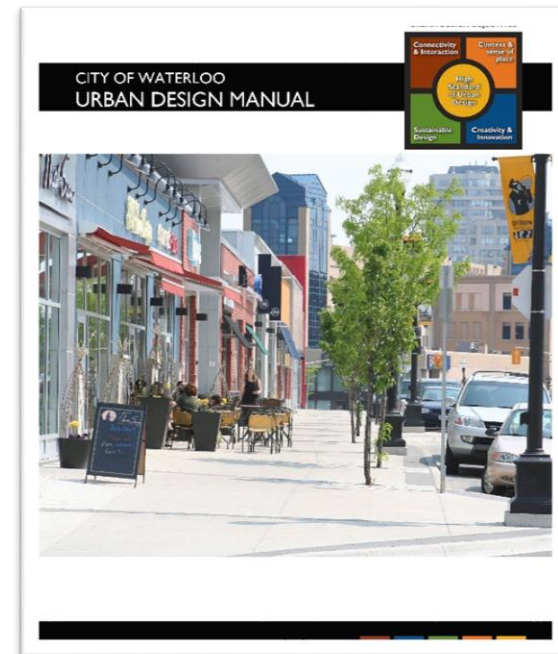


Presentation Overview

- Background
- Why Update?
- Approach
- Next Steps

Background

- Role & Importance of Urban Design
- Previous UDM process





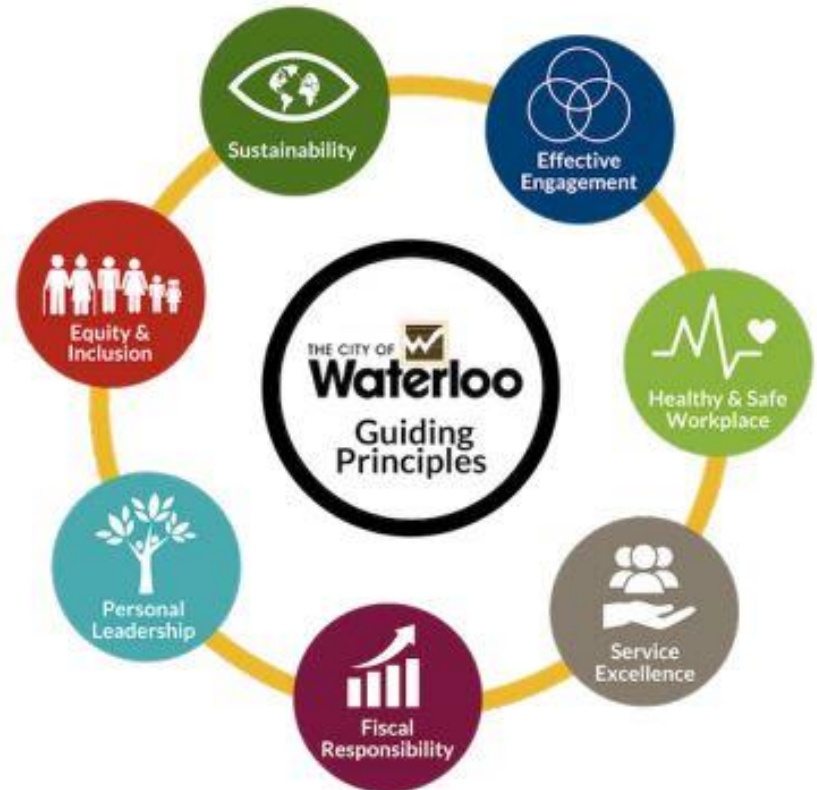
Why Update?

- Outdated
- Obsolete/Updated Sections
- New Standards
- Align with Zoning Bylaw 2018-050
- Align with Strategic Plan
- Simplify and Eliminate Redundancies
- Improve Accessibility



Approach

- Phase 1
 - Quick wins
 - Incorporate previously adopted studies and reference materials
 - Update language.



Approach

- Phase 1 – Proposed Amendments
 - Sustainability & Environment

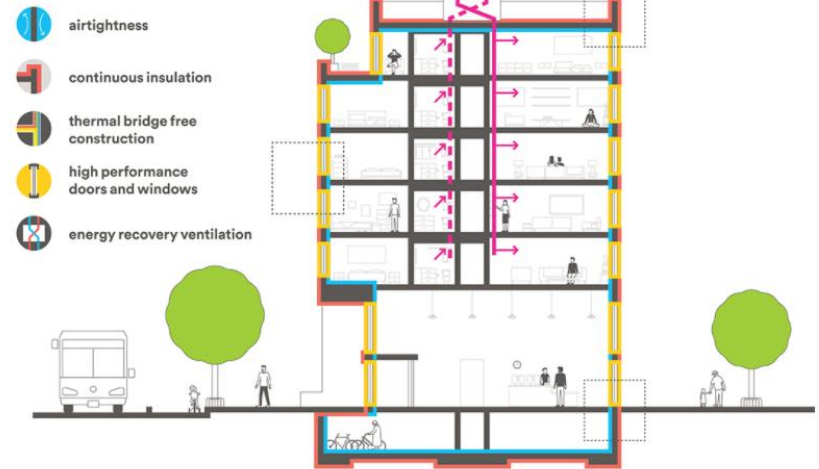


Approach

- Phase 1 – Proposed Amendments
 - Modern Technologies / Design Considerations

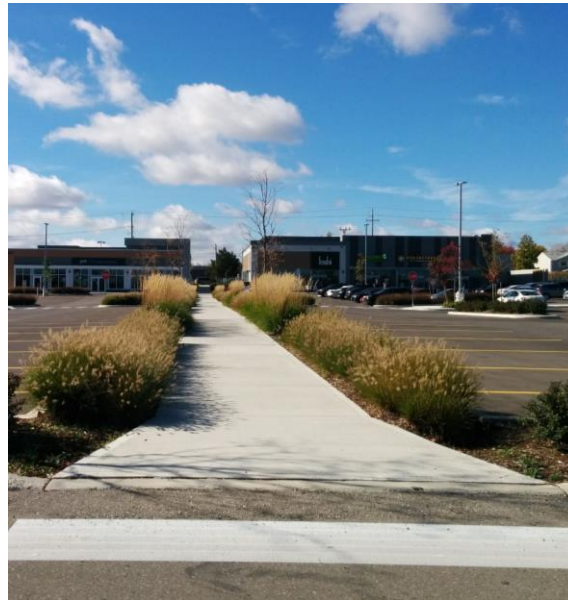
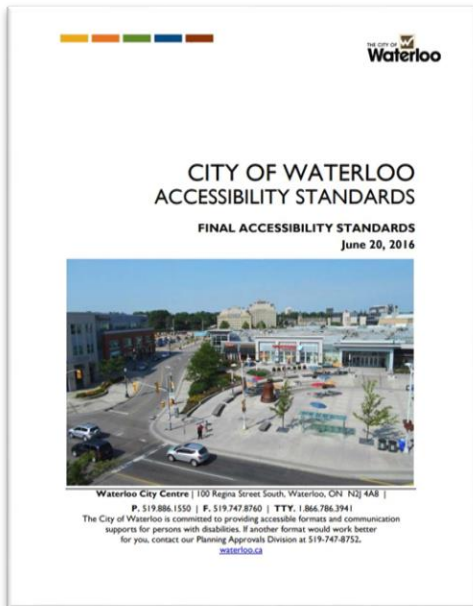


Passive House Principles



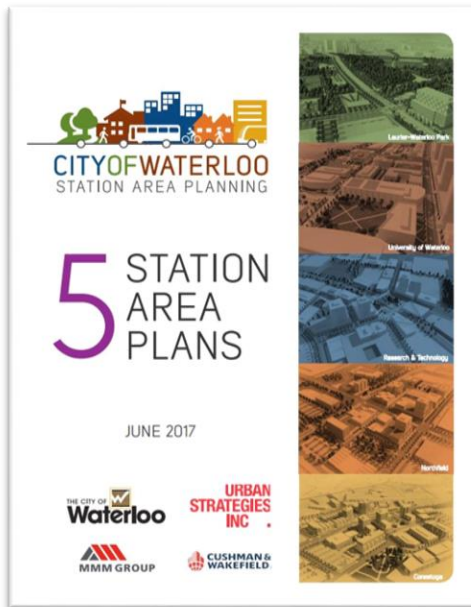
Approach

- Phase 1 – Proposed Amendments
 - Equity & Inclusion



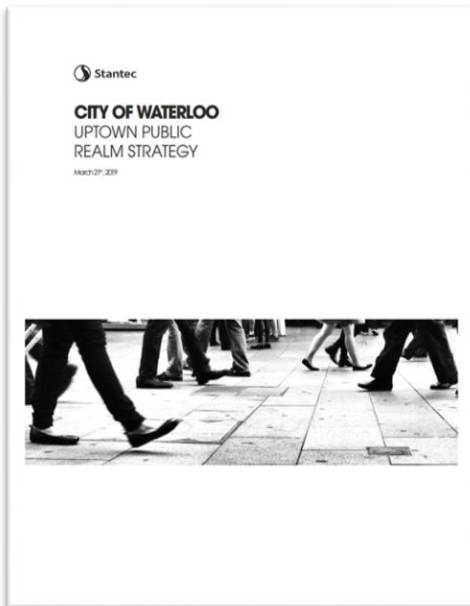
Approach

- Phase 1 – Proposed Amendments
 - Sustainable Transportation



Approach

- Phase 1 – Proposed Amendments
 - Healthy Community & Resilient Neighbourhoods



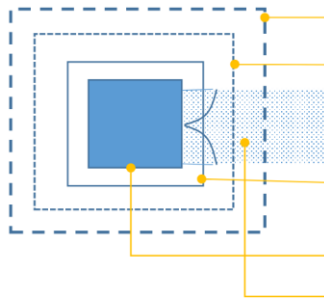
CULTURAL HERITAGE
LANDSCAPE INVENTORY
2019



Approach

- Phase 1 – Proposed Amendments
 - Updated technical drawings (e.g., transformers, utilities, etc.)

A typical pad mounted transformer plan:



6m x 6m easement, no plantings, obstructions, roots, retaining walls, buildings etc. It may extend into the driveway/road or parking space.

4.1m x 4.7m grounding grid – this is under the ground. No plantings, obstructions, roots, retaining walls, buildings etc. within this zone. It cannot extend under curbs, driveways or parking spaces.

2.1m x 2.7m concrete pad, on which the hydro transformer unit is installed. Bollards are typically installed at each corner to protect the unit.

Hydro Transformer Unit (size varies)

3m clear path in front of the transformer doors. Any curbs beyond 2 metres from the transformer doors must be dropped.

**The transformer unit, concrete pad, grounding grid and easement should all be aligned symmetrically inside one another. WNH must be consulted for any exceptions.*





Approach

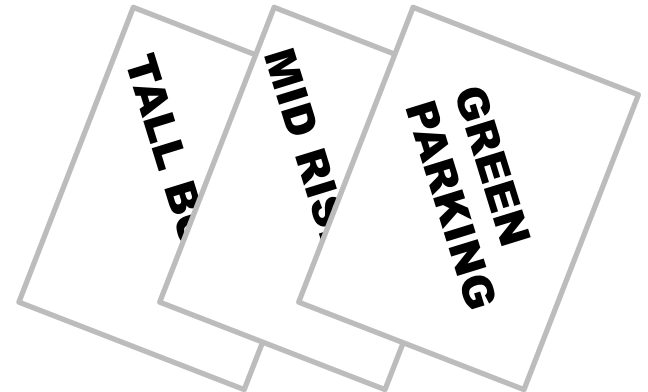
- Phase 2 –
 - Document dismantling and reorganization.
 - Consultation





Approach

- Phase 2 - Draft Document Breakdown
 - Urban Design Vision
 - Planning Application Process Documents
 - Urban Design Standards
 - Appendices





Next Steps

- Formal Public Meeting
 - Phase I Updates
- Engagement
- Drafting of new Document(s)
- Updates



Thank You!

UDM**Refresh**

Project Email:
udmrefresh@waterloo.ca

Project Website:
www.waterloo.ca/udmrefresh