# Comprehensive Zoning By-law Review

# Urban Design Guidelines

#### Public Open House #1

Date: Tues. February 13<sup>th</sup>, 2024

Time: 6 pm

Format: Virtual



#### **Attendees Conduct**

- We would like to hear from as many voices as possible today. Please keep comments and questions brief.
- Feel free to ask questions during the presentations. There is allotted time for more in-depth discussions and questions following each presentation and at the end of this meeting.
- To ask a question:
  - Use the "Raise Hand" function to ask verbally.
  - Use the "Q&A" panel to type your question for staff to read out loud.
- The chat function is open for use but staff may not be responding to questions raised there.
- Be respectful.



## Land Acknowledgement

The City of Brampton recognizes and acknowledges that our work takes place on the Treaty Territory of the Mississaugas of the Credit First Nation, and before them, the traditional territory of the Haudenosaunee, Huron and Wendat. We also acknowledge the many First Nations, Metis, Inuit and other global Indigenous people that now call Brampton their home.

We are honoured to live, work and enjoy this land.

## Meeting Agenda

- Welcome and Introduction
- Comprehensive Zoning By-law Review (First Preliminary Draft)
  - Project Background
  - WSP Presentation Project Status Update
  - Questions & Discussion
- Urban Design Guidelines (First Draft)
  - Project Background
  - TPP Presentation
  - Questions & Discussion
- General Q&A
- Next Steps



# Supporting Growth & Development in Brampton

- The City has a coordinated approach to implement the Brampton Plan and support growth and development in Brampton.
  - Council adopted the Brampton Plan in November 2023.
  - Provides greater clarity on how Brampton can meet the objectives of the Brampton Plan in creating more compact and complete 15-minute neighbourhoods.
- Related City projects and studies include:
  - Comprehensive Zoning By-law Review
  - New Urban Design Guidelines
  - Major Transit Station Area (MTSA) planning
  - Brampton Parking Plan
  - Additional Residential Units (ARUs) and Multiplex Study



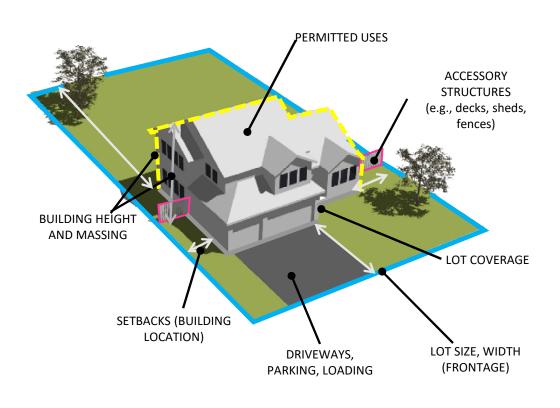


# Comprehensive Zoning By-law Review

First Preliminary Draft



## Zoning and Zoning By-law



- Zoning as a set of rules that determine the permissible uses, built form and other performance standards on a property.
- Zoning By-law as a legal document following legislation in the *Planning Act* that implements the City's new Official Plan (Brampton Plan).
- Key tool that shapes the look, form and function of the City.
- More info on our project website: <u>https://www.brampton.ca/ZBR</u>



## **Project Background**

- The Comprehensive Zoning By-law Review project (CZBR) was first initiated in 2016.
- The project was put on hold in 2018 to allow the Brampton Plan to advance.
- The Project recommenced in 2022.
- Our Project Consultant has since prepared:
  - Zoning Strategy Report & Technical Memoranda
  - First Preliminary Draft of the New Comprehensive Zoning By-law
  - Interactive mapping application (with the City's GIS team)
- It is not within the scope of this project to consider and include site-specific zoning amendments.



## **Project Timeline**

2022 – 2023

#### Phase 1

**Project Re-initiation** 

- Project reinitiation
- Update Technical Memos and Zoning Strategy Report.

Q4 2023 -Q2 2024

#### Phase 2

First Preliminary Draft Zoning By-law

- Prepare and release the First Preliminary Draft Zoning Bylaw and supporting materials for review and comment.
- Public open houses
- Further internal studies and revisions.

Q3 - Q4 2024

#### Phase 3

Second Draft Zoning By-law

- Prepare and release the Second Draft Zoning By-law and mapping for review and comment.
- Public open houses
- Further review

Q4 2024 - 2025

#### Phase 4

Statutory Consultation & Council Adoption

- Prepare and release Final Draft for review and comment
- Statutory public meeting
- Council adoption







City of Brampton Comprehensive Zoning By-law Review

**Project Status Update** 







#### **Draft Zoning By-law Principles**

- 1. Implement **Brampton Plan**.
- 2. Consistency and conformity with upper-tier policies.
- 3. Coordinate with the new City-wide Urban Design Guidelines.
- 4. Prioritize user experience and consider elements from a form-based code.
- 5. Be "future ready".
- 6. Be enforceable and easily administered.
- 7. Reduce barriers to business growth and retention.
- 8. Support an **inclusive**, **diverse**, **and equitable** city.



#### **Draft Zoning By-law Structure**

Structure		
Chapter No.	Chapter Title	
Chapter 1	Administration and Interpretation	
Chapter 2	General Provisions for All Zones	
Chapter 3	Access and Parking Standards	
Chapter 4	Residential Zones	
Chapter 5	Commercial Zones	
Chapter 6	Mixed-Use Zones	
Chapter 7	Employment Zones	
Chapter 8	Institutional Zones	
Chapter 9	Open Space and Natural System Zones	
Chapter 10	Other Zones	
Chapter 11	Overlay and Suffix Zones	
Chapter 12	Definitions	
Chapter 13	Site-Specific Zone Standards	
Chapter 14	Enactment	

Schedules				
Schedule Label	Schedule Title			
Schedule A	Zoning Map			
Schedule B	Parking Regulation Areas			
Schedule C	Lester B. Pearson Airport Operating Area			
Schedule D	Mature Neighbourhood Areas			



#### **Draft Zoning By-law Consolidation**

Proposed Zone	Current Zone(s)		
Agriculture (A)	Agriculture (A)	Commercial Agriculture (CA)	• Future Development (FD)
Corridor Commercial (CC)	Commercial Three (C3)	Highway Commercial One (HC1)	Highway Commercial Two (HC2)
General Commercial (GC)	<ul><li>Commercial Two (C2)</li><li>Service Commercial (SC)</li></ul>	Queen Street Mixed Use Transition (QMUT)	Central Area Mixed Use One (CMU1)
Local Commercial (LC)	Commercial One (C1)		
Recreational Commercial (RC)	Recreational Commercial (RC)		
General Employment (GE)	• Industrial Two (M2)	• Industrial Three (M3)	<ul> <li>Industrial Three A (M3A)</li> </ul>
Prestige Employment (PE)	<ul><li>Industrial One (M1)</li><li>Office Commercial (OC)</li></ul>	<ul><li>Industrial One A (M1A)</li><li>Industrial Business (MB)</li></ul>	• Industrial Four (I4)
General Institutional (I1)	Institutional One (I1)		
Major Institutional (I2)	<ul> <li>Institutional Two (I2)</li> </ul>		
Mixed Use High Rise (MH)	Hurontario Corridor Mixed Use One (HMU1)		
Mixed Use Low Rise (ML)	Composite Residential Commercial (CRC)		
Mixed Use Mid Rise (MM)	Downtown Commercial (DC)	Downtown Commercial One (DC1)	
Utility (U)	• N/A		

Note: The draft consolidation continues on the following slide.

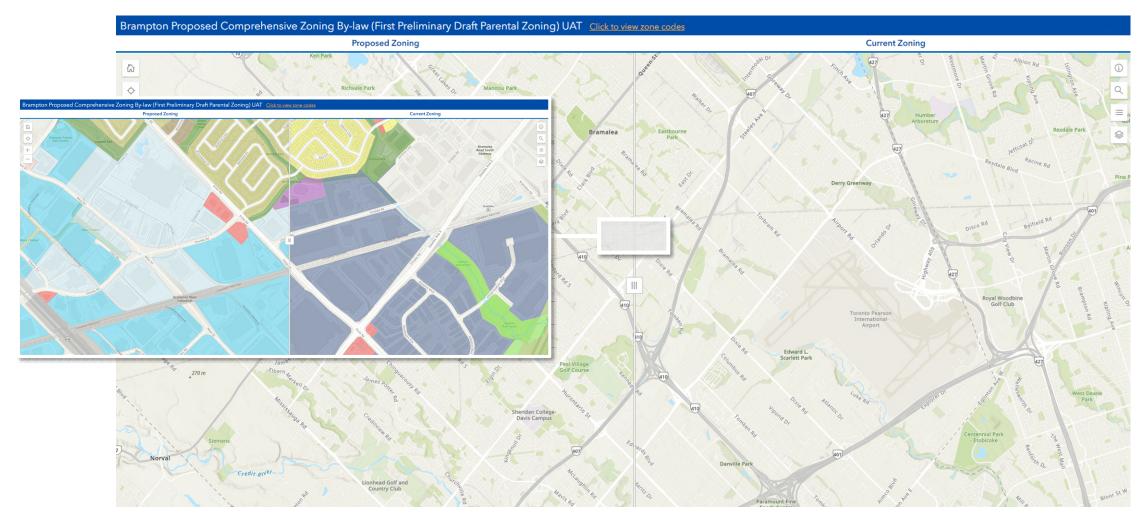


### Draft Zoning By-law Consolidation Cont.

Proposed Zone	Current Zone(s)		
Natural System (NS)	• Floodplain (F)		
Open Space (OS)	Open Space (OS)		
Residential Estate (RE)	<ul><li>Residential Rural Estate One (RE1)</li><li>Residential Holding (RH)</li></ul>	<ul><li>Residential Rural Estate Two (RE2)</li><li>Residential Hamlet One (RHM1)</li></ul>	Residential Estate Holding (REH)
Residential Hamlet (RH)	Residential Hamlet Two (RHM2)		
Residential First Density (R1)	<ul> <li>Residential Single Detached A (R1A)</li> <li>Residential Single Detached A(1) (R1A[1])</li> <li>Residential Single Detached A(2) (R1A[2])</li> <li>Residential Single Detached A(3) (R1A[3])</li> </ul>	<ul> <li>Residential Single Detached B (R1B)</li> <li>Residential Single Detached B(1) (R1B[1])</li> <li>Residential Single Detached B(2) (R1B[2])</li> <li>Residential Single Detached B(3) (R1B[3])</li> </ul>	<ul> <li>Residential Single Detached C (R1C)</li> <li>Residential Single Detached C(1) (R1C[1])</li> <li>Residential Single Detached D (R1D)</li> <li>Residential Single Detached E (R1E)</li> <li>Residential Single Detached F (R1F)</li> </ul>
Residential Second Density (R2)	<ul> <li>Residential Townhouse A (R3A)</li> <li>Residential Townhouse A(1) (R3A[1])</li> <li>Residential Townhouse A(2) (R3A[2])</li> <li>Residential Townhouse A(3) (R3A[3])</li> </ul>	<ul> <li>Residential Townhouse A(4) (R3A[4])</li> <li>Residential Street Townhouse B (R3B)</li> <li>Residential Street Townhouse B(1) (R3B[1])</li> <li>Residential Street Townhouse C (R3C)</li> </ul>	<ul> <li>Residential Street Townhouse D (R3D)</li> <li>Residential Street Townhouse E (R3E)</li> </ul>
Residential Third Density – Low Rise (R3L)	<ul> <li>Residential Apartment A (R4A)</li> <li>Residential Apartment A(1) (R4A[1])</li> </ul>		
Residential Third Density – Mid Rise (R3M)	<ul> <li>Residential Apartment A(2) (R4A[2])</li> <li>Residential Apartment A(3) (R3A[3])</li> </ul>		
Residential Third Density – High Rise (R3H)	Residential Apartment B (R4B)		



### Draft Zoning By-law Mapping



Note: Excerpt from the first preliminary draft interactive mapping, illustrating the proposed zoning and current zoning toggle function.





#### Additional Resources









This presentation highlights six major aspects of the new Zoning By-law.

- 1. New framework for **parking requirements**, including mapping.
- 2. Updated Residential Zone framework.
- 3. A new Commercial Zone framework.
- 4. A new Mixed-Use Zone framework.
- 5. Reinforces the City's commitment to sustainability.
- 6. A **user-friendly** approach.





New framework for **parking requirements**, including mapping updates:

- Builds on the City's Parking Plan.
- Parking regulation now utilizes a precinctbased approach.



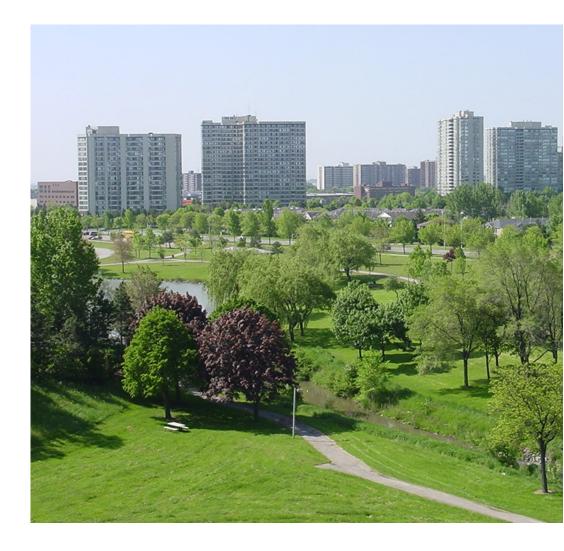






# Consolidated and updated **Residential Zone framework:**

- Expands permitted uses and options for housing, including new terminology.
- Reduces redundancy and number of residential zones. Additional consolidation may occur in subsequent drafts.



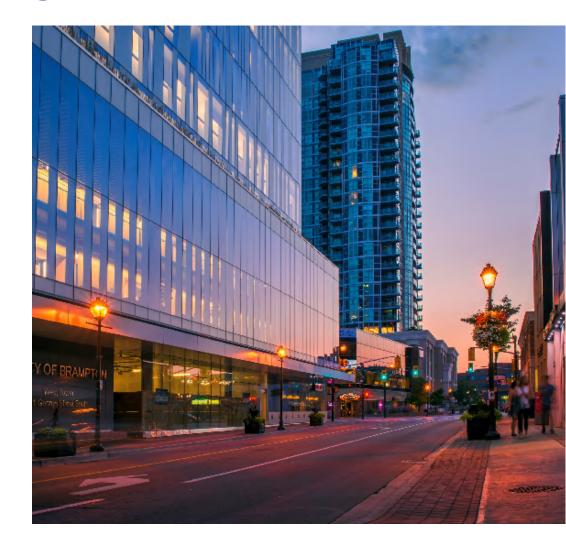






#### A new Commercial Zone framework:

- Expanded permissions and modernized uses, subject to criteria.
- Supports business opportunities across the City.









#### A new Mixed-Use Zone framework:

- Coordinated with the City-led MTSA work.
- Integrated with the UDGs to introduce modern design principles.
- Addresses a wide range of development typologies.



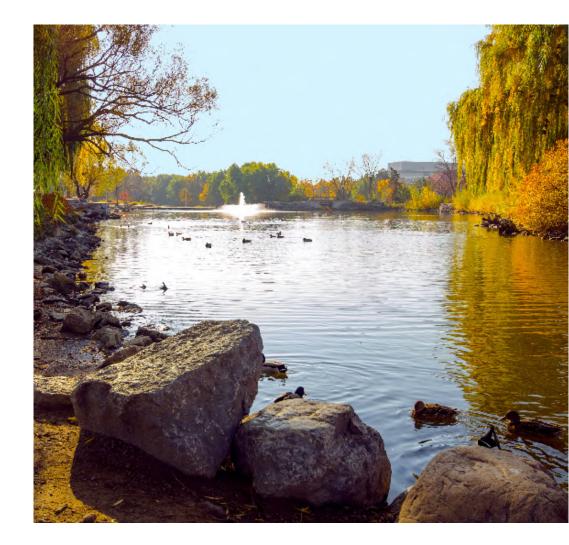






Reinforces the City's commitment to sustainability:

- New zone structure that supports environmental protection in key areas.
- Supports a sustainable future, as envisioned by Brampton Plan.









A user-friendly approach in terms of structure, formatting, and graphics:

- Modernized requirements, administrative procedures, and document format.
- Tables used for permitted uses, lot and building requirements, etc.
- Illustrations will be added.











The Zoning By-law is in **draft**. Ongoing and future work is required to **update** the Zoning By-law.

- 1. Coordination with City-led MTSA planning framework.
- 2. Alignment with City-wide Urban Design Guidelines.
- 3. Coordination and integration of **City-led initiatives** to **expand housing options.**
- 4. Review, update, and integrate Special Sections.





# Coordination with City-led MTSA planning framework:

- City is preparing Zoning By-law provisions for Primary MTSAs, in accordance with Brampton Plan.
- MTSAs are currently excluded from the current Draft Zoning By-law and will be integrated in a subsequent draft as the MTSA work advances.



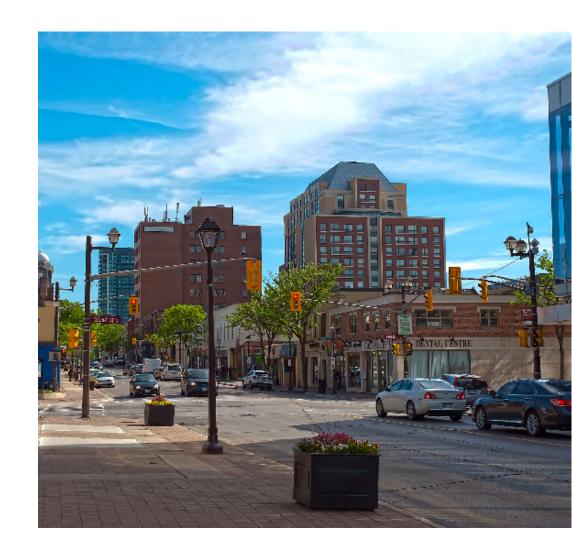






# Alignment with City-wide Urban Design Guidelines (UDGs):

- City-wide UDGs and the Zoning By-law will be coordinated.
- Language, visual style, and design principles will be aligned.









Coordination and integration of City-led initiatives to expand housing options including but not limited to:

- City's Housing Strategy and Action Plan.
- Municipal Housing Pledge.
- Housing Accelerator Fund.









Review, update and integrate **Special Sections**:

- Three options for addressing special sections presented in ZSR.
- Recommended approach is to review and update special sections, including consideration to delete/reduce provisions where the new parent Zoning By-law has been updated.







#### Next Steps



Visit the project
webpage to learn
more about the
Zoning By-law
Review project and
to submit questions
or comments.

- Identify a methodology for special sections and transition.
- Coordinate and integrate, where appropriate, directions from the City-Wide UDGs, zoning framework for MTSAs, etc.
- Revise and update the Draft Zoning By-law based on comments and input received.





#### Contact

For additional information, questions or comments related to the project, please contact:

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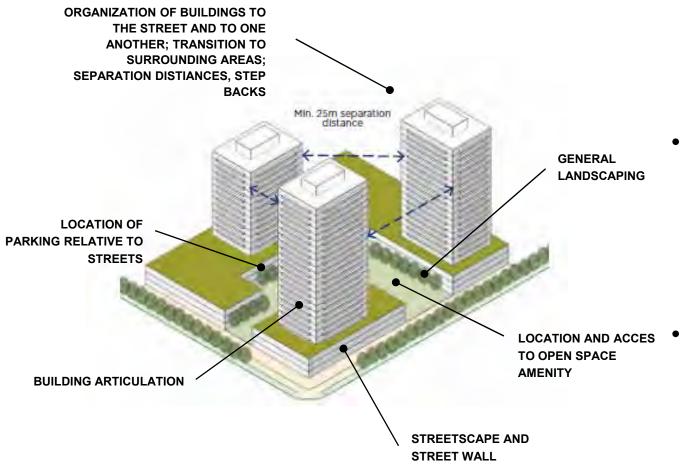


City of Brampton Comprehensive Zoning By-law Review Project Status Update









- Guidelines are a planning tool that work alongside zoning and technical standards to implement a vision by shaping the look, form and function of development.
- Guidelines are non-statutory statements, general rules and sets of recommendations on how to apply design principles to create a better building environment.
- For example, a Design Principle might state 'Promote a pedestrian-oriented public realm' and the corresponding guideline might state 'Located buildings close to the street line'.

# **Project Background**

- The Update and Consolidation of the Urban Design Guidelines project (DDG) was initiated in 2017.
- The project re-commenced in 2022 to align with ZBL Update.
- The Planning Partnership has since prepared the First Preliminary Draft of the City-Wide Urban Design Guidelines



- The New City-wide Urban Design Guidelines (UDG) shall be aligned with the new Brampton Plan, Zoning By-law and several key City polices and studies, including:
  - Major Transit Station Area (MTSA) planning
  - Complete Streets Guide
  - Additional Residential Units (ARUs) and Multiplex Study
  - Sustainable Community Development Guidelines and the Sustainability Score and Summary Requirements
  - Region of Peel Healthy Development Assessment Tool
  - Region of Peel Crime Prevention Through Environmental Design
  - Parks Plan
  - Age-Friendly Communities
  - Active Transportation Master Plan
  - Step-by-Step Guide for Garden Suites

# **Organization of UDG**

- Clear, Concise and User-friendly
- Minimize or eliminate repetition
- Guideline numbers added to diagrams and pictures for easy reference
- Coordinated document design
- Coordinate terms with Brampton Plan and Zoning By-law
- Harmonize the various styles of writing



Structure of Document as 3 parts – Introduction, Sustainable Community Design and Site Organization and Built Form **BACKGROUND** 

**PURPOSE** 

**VISION / GUIDING PRINCIPLES** 

**DOCUMENT STRUCTURE / HOW TO READ THE DOCUMENT** 

- Alignment with OP and ZBL
- **References to other City documents**



The four pillars of sustainability which ground the Brampton Plan

- In addition, Brampton Plan identifies five design lenses, and guiding principles that form the basis for the City-Wide Urban







- Ensure accessibility for all ability levels and needs
- Include second units, multi-generational and nuclear family housing structures
- age-in-place housing, amenities and facilities

#### GREEN CITY

- quality public realm
- based, sustainable design sense of community and civic pride
- Develop community and social hubs
  - space typologies
    - Promote urban agriculture / local
- Conserve and promote cultural Enhance the urban forest
- social, economic, and cultural well-being of all communities, including First Nations and Métis communiti
- Strive for design excellence in the ntensification and revitalization

Increase active transportation option

work places, schools and amenities

comfortable to encourage walking

2 MOSAIC CITY

through connected networks of streets, sidewalks, bicycle routes, and trails Create diverse, compact and

## 5 DESIGN EXCELLENCE

## City by-design and inclusive co-desig

# DOCUMENT STRUCTURE/ HOW TO READ THE DOCUMENT

Design Guidelines within the context of the City's new Official Plan (Brampton Plan). It lentifies the five lenses that form the basis guiding principles that are to be used as the foundation for development and city building The guiding principles are at the core of the



#### PART B - SUSTAINABLE COMMUNITY DESIGN

The Sustainable Community Design Guidelines build upon the Complete Communities policies of the Brampton Plan (3.12.1) and replace Part 4 - Major Block Plan Components and Part 5 - Block Plan Design Guidelines of the DDG.

They build upon the Sustainable Communit evelopment Guidelines (Part 8 of the DDG Whereas those guidelines apply to Secondary Plans, Block Plans, Tertiary Plans and Draft Plans of Subdivision, these Sustainable Community of Subdivision, these Sustainable Community Design Guidelines address Precinct Plans and Areas Plans. They do so by way of the same four major building blocks of community structure - Built Environment, Mobilty, Natural Heritage, Parks & Open Space, and Green Infrastructure &





#### PART C - SITE ORGANIZATION AND BUILT FORM

in Part A and Sustainable Community Design Guidelines described in Part B, the Site Organization and Built Form guidelines address forms as well as mixed-use development form

(ACGGRD) and DDG Part 6 Section 5 - Transit

address Mid-rise, High-rise and Mixed-use of development.

Part C utilizes diagrams, massing models and precedent images to illustrate the desired form and design of development with respect to:

- · Site layout, including access, circulation



**BUILT ENVIRONMENT** 

**MOBILITY** 

NATURAL HERITAGE, PARKS AND OPEN SPACE

**GREEN INFRASTRUCTURE** 

# **BUILT ENVIRONMENT**

- > Compact Development
- > Community Form
- Mix and Diversity of Land Uses
- Mix and Diversity of Housing
- > Walkability
- > Cultural Heritage

## **Key Updates:**

- Focus on 15-minute neighbourhoods
- Focus on diversity and mix of uses
- Combined Streets and Blocks
- Removed Community / Neighbourhood Structure
- Reference update to Centres, Boulevards and Corridors



# **BUILT ENVIRONMENT**



#### COMPACT DEVELOPMENT

#### MIX AND DIVERSITY OF HOUSING

A mix of housing types including lot size

- d. Mixed use residential un

- a. Aging society, empty nesters and senior
- egardless of age or ability, to live within the





## **MOBILITY**

- Street Network and Block Design
- > Transit Supportive
- > Active Transportation
- Streetscape Elements /Pedestrian Supportive Design

## **Key Updates:**

- Reference to Complete Streets Guide
- Minor revisions to Street Network and Block Design
- Deleted guidelines re: arterial and collector roads

#### A. STREET PATTERN / NETWORK 6 Design street patterns to reinforce focal points, neighbourhood centres, mixed use 1 Facilitate ease of movement and orientation nodes and public spaces by providing street through the community through the design frontage and direct connection to them. of a coherent and comprehensive street 7 Provide frequent local road connections along collectors to enhance connectivity and 2 Create a clear hierarchy of street types and permeability. functions. 8 On local roads, avoid long, uninterrupted 3 Create street patterns that incorporate natural sections over 400 metres in length, to heritage features. discourage excessive driver speed. a. Provide single-loaded streets along 9 Design local roads at a pedestrian and cycling edges of natural heritage features and scale, supported by appropriate urban design incorporate traffic calming in these and streetscape principles, to provide the opportunity for pedestrians and cyclists b. Align streets to provide views/vistas to to reach nearby destinations in a safe and natural heritage features. supportive environment. 4 Connect new street network to existing and planned roads in adjacent developments. 5 Maximize connectivity for all travel modes by ensuring the street network incorporates multiple options for moving between destinations. Active transportation corride Interconnected pedestrian trail system corridors throughout the community

#### DRAFT NOVEMBER 2023

#### B. TRAFFIC CALMING

- To calm traffic and create pedestrian-friendly, safe streets consider the following when designing local street areas of high activity, such as mixed use nodes and neighbourhood centres:
- 2 Create pedestrian-friendly and safe streets consider the following traffic calming measures when designing local street areas of high activity, such as those in mixed use nodes and neighbourhood centres:
- Spacious sidewalks on both sides (minimum width as per AODA standards)

c. Coordinated street furnishings

b. Pedestrian crosswalks

- d. Street trees and landscaping
- e. Medians
- f. Curb bulb-outs a. Woonerfs
- h. Narrow streets to reduce driver speeds
- i. Raised crossings / intersections
- j. Speed bumps
- k. Signage
- 3 Integrate a multi-use trail system creating linkages that ensure continuous and varied pedestrian routes throughout the community.



Street view terminal at community focal point



Spacious sidewalks



Single-loaded street adjacent to park



Traffic calming measure - pedestrial crossing with enhanced paving

## NATURAL HERITAGE, PARKS AND OPEN SPACE

- > Natural Heritage System
- > Stormwater Management Facilities
- > Recreational Trails
- > Parks and Open Space
- > Urban Forest

## **Key Updates:**

- Urban Park Hierarchy (from Brampton Parks Plan Appendix I) and combined Urban Squares, Urban Parkettes, Vest Pocket parks in this category
- Removed Table Open Space and Natural Heritage Features, Valleylands and Woodlands
- Combined SWM and Naturalized Channels
- Removed Bike Lanes, Signed Routes and Green Linkages

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Figure x: Covered POPS space, New York City



gure x: Park with multi-seasonal amenities



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Privately Owned Public Space (POPS) form an essential part of the urban fabric and have an important function in enhancing pedestrian connectivity in urban areas of the city and opportunities for recreation and social en

Intent: To enhance the quality and function of the public realm in urban areas by providing public access to Privately Owned Public Space.

- Privately Owned Public Space (POPS) are open spaces located within private property which are made publicly accessible via legal agreements between the property owner and the municipality.
- POPS provide high-quality pedestrianoriented open spaces that link adjacent land uses, streetscapes and other public realm components.
- 3 Although POPS enable pedestrian connectivity, they may also be destinations unto themselves with outdoor seating, restaurant and retail frontages, and public art
- 4 POPS should be designed, constructed and maintained to City standards.

Generally, POPS share three definable characteristics; they are:

- a. Open or landscaped space with access from public property;
- b. Privately owned and maintained; and
   c. Legally required to be open and accessible
   to the public for general use.

In evaluating the suitability of POPS to be considered as parkland, the following should be taken into account:

5 Location & Scale (i.e. the location of public streets, acceptable area of the POPS to ensure that the space is large enough to be programmable, orientation, elevation, and length to width).

#### DRAFT NOVEMBER 2023

- 6 Uses & Programing (i.e. the relationship of the POPS with the surrounding land uses and forms and the types of active and passive programing that can be included in POPS).
- 7 Edges & Access (i.e. entrance, fences, hours of operation, how will it connect to other public areas, trails, parks, and green network).
- 8 Landscape & Amenities (i.e. hard vs softscape tree canopy, and design elements).

#### G. STRATA PARKS

Strata parkland is a public park developed above private infrastructure, typically parking garages. It is publicly owned and typically publicly operated, whereas the underlying infrastructure is maintained within private ownership.

#### URBAN FOREST

Urban trees support natural area functions and can create a generous canopy at maturity to provide pedestrian shade, shelter, streetscape amenity, and traffic management, promoting safety and creating a pleasant environment.

Intent: To increase the urban tree canopy and supporting natural systems functions while enhancing streetscapes to provide shade, shelter and aesthetically appealing streets and open space amenities.

In addition to the Brampton Plan policies 3.2.5.8 to 3.2.5.14, and the Urban Forest Management Plan, the following shall apply:

- Provide a diverse and resilient species selection that anticipates climate change conditions and operational constraints.
- 2 Encourage a diversity of tree species along each road, native to the City and Region, non invasive, drought and salt tolerant, and low maintenance.
- 3. Plant species of street trees that provide a large canopy and shade over sidewalks to reduce heat sland effect and enhance comfort and safety. Street trees should provide shade over at least 40% of the length of the sidewalk or road to reduce heat island effect and enhance pedestrian comfort and safety.



Figure x: Park as focus for neighbourhood / development

- 4 Provide appropriate planting conditions (soil volumes / soil mix) to address summer and winter conditions, and to support the growth of healthy, mature trees with connected canopies on local roads.
- 5 Consider incorporating a double row of tree in key areas, such as adjacent to parks and where a wider boulevard exists.
- 6 Design parking lots to incorporate planting of trees to increase tree cover and shading, and to reduce heat island impact.
- 7 Encourage the implementation of alternative planting strategies (e.g. Silva-cells, sufficient soil medium, continuous planting trenches, etc.) to increase tree soil quantity and quality along high-pedestrian areas and sustain longterm growth and healthier tree life.
- 8 Ensure at least 1 street tree is planted for each residential dwelling unit (excluding multiple dwellings that are subject to site plan approval), or spaced at 8.0 to 12.0 metres, and at least 2 street trees for each flankage lot where practical based on factors such as utility requirements, driveway, street furniture locations and the type of species.

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## **GREEN INFRASTRUCTRE AND BUILT FORM**

- > Energy Conservation
- Water Use and Management
- Material Resources and Solid Waste
- > Urban Agriculture

## **Key Updates:**

- Reference to Sustainability Assessment Tool (SAT)
- Removed Stormwater Management (covered under Part B: Natural **Environment and Open Space)**
- Added Urban Agriculture (from 2019 **Draft Parks section)**

# GREEN INFRASTRUCTURE AND BUILT FORM

#### **ENERGY CONSERVATION**

consumption by generating or using less energy. It can also play a significant role of lessening climate change by replacing non-renewable resources with renewable energy.

Intent: To reduce traditional energy use and provide alternative energy sources.

- 1 Consider reducing demand for energy from the grid and encourage renewable energy production. Renewable energy sources that could be employed may include the use of solar thermal and photo voltaic equipment geo-exchange technologies, and/or wind
- 2 Encourage passive solar orientation to enhance energy efficiencies by creating optimum conditions for the use of passive and active solar strategies. The integration of passive building systems is enhanced by buildings oriented to maximize the potential for sunlight and natural ventilation





- 3 Where feasible, implement street and block alignment within 15 degrees of geographic east-west to maximize passive solar orientation of buildings front and rear
- 4 Where feasible, provide alternative community energy systems such as district energy, geo-exchange, sewer heat recovery, and/or inter-seasonal thermal energy.
- 5 Consider constructing all low and medium density residential buildings to be Solar Ready (i.e. built with all the necessary piping and equipment that would be needed to install a rooftop solar power system).
- 6 Reduce heat absorption through the use of cool roofs that are designed to reflect more sunlight and absorb less heat than a standard roof. Cool roofs can be made of a highly reflective type of paint, a sheet covering, or highly reflective tiles or shingles. Consider cool roofing material with a minimum initial solar reflectance of 0.65 and minimum thermal emittance of 0.90.



#### URBAN AGRICULTURE

Urban Agriculture, such as community gardens and traditional farm areas at community peripheries, provides the opportunity for an alternative use of green space and can act as a transition between land uses.

Intent: To provide an alternative use of green spaces as transitions in land uses while facilitating access to locally grown food.

In addition to the Brampton Plan policies 3.3.2.5 to 3.3.2.10, the following shall apply:

- 1 Promote initiatives such as sustainable food production practices as a component of a new development. Development plans and building design shall incorporate through:
- a. Community gardens
- b. Edible landscapes
- c. Small-scale food processing, such as community kitchens, food co-ops and community food centres;
- e. Small- and medium-scaled food retailers
- f. Local market space (i.e. farmers' markets)



Figure x: Urban food garden, Toronto

- 2 Incorporate urban agriculture as part of a neighbourhood's character and open space system, while also providing a transitional uses between natural and built environments Measures to protect natural features must be
- 3 Consider more intense forms of urban agriculture within existing industrial/ employment areas which can impact food security, employment issues and the larger social, economic, and ecological sustainability of growing food locally.
- community gardens and/or allotment gardens in open space areas.
- 5 Identify opportunities to create edible landscapes through conservation of existing orchard trees, or by providing orchard trees as part of proposed landscaping strategy.





# Update of 2023 UDG



DESIGN GUIDELINES
COMMON TO ALL BUILT FORM

**LOW-RISE DEVELOPMENTS** 

**MID-RISE DEVELOPMENTS** 

**HIGH-RISE DEVELOPMENTS** 

NON-RESIDENTIAL DEVELOPMENTS

**MIXED-USE DEVELOPMENTS** 

## DESIGN GUIDELINES COMMON TO ALL BUILT FORM

- > Private Open Space
- **Amenity Areas**
- Lighting
- **Accessibility**
- Safety
- **Public Art**
- **Built Heritage Context**

# AMENITY AREAS

It is recognized that communal amenity areas for multi-unit developments have an important role in meeting the recreational and social needs of residents. The Zoning By-law defines the types of amenity space that is required for Townhouse, Mid-Rise and High-Rise developments and establishes minimum space requirements based on a per unit calculation. It is noted that the zoning standards provide some flexibility in these requirements that address the relationship of these spaces to landscaping requirements and distinguish standards for different contexts. For example, with respect to the latter, consideration is given to reduced standards in higher density areas with a concentration of public amenities, reduced standards in areas that are in close proximity to parks and the permission of rooftops, terraces and green roofs to be counted towards the required space.

Amenity space shall be provided as per Zoning



#### AT-GRADE OUTDOOR AMENITY

These urban design guidelines address the atgrade outdoor type of communal amenity areas, and provide direction for:

- . Their location on the site
- · Their component elements
- 1 Provide required amenity areas as one contiguous space on a site.
- 2 Locate amenity areas in easily accessible and prominent locations on a site.
- 3 Provide visibility from amenity areas to the
- 4 Ensure amenity areas are generally rectangular in shape.
- 5 Recommended components for amenity areas based upon their size, include:
- a. 150m2 or less: Tot Lot and Seating Area.
- b. 151 to 400m2: Tot Lot. Children's Play Area
- c Greater than 400m2- Tot Lot Children's Play Area, Lawn Area and Seating Areas.
- 6 Design amenity spaces for a range of users. with particular consideration for residents occupying the building(s).
- 7 Provide secure direct access to amenity areas other on-site walkways.

- amenity areas should be separated and screened by fencing and planting; a minim

- 11 Provide private or semi-private outdoor amenity spaces, such as gardens and terraces, at rooftops or where a substantial stepback
- 13 Maximize every opportunity for on-site greening, including:
- a. Tree plantings on front and side setbacks along public streets. Fully planted buffers/green spaces where complementary landscaping might be
- used to create seamless transitions



#### COURTYARDS

- 1 Incorporate forecourts to break lonelevations and/or combine with m entrances of large mid/high-hise
- soft and hard landscaping. Provide for seati areas and pedestrian circulation throughout and beyond the development
- 4 Locate private patios and gardens to access direct sunlight and minimize overlook from neighbours to the greatest extent possible.
- 5 Locate interior amenity facilities adjacent to windows and doors for direct physical and
- 7 Ensure that the base of any building mass of tower that faces onto open spaces is treated to protect migratory birds and mitigate edestrian-level wind, when rooftons are used



## BALCONIES, TERRACES AND GREEN ROOFS

- Incorporate common amenities on the roo of the Base where substantial step backs provide for enough space for them to be accommodated.
- 2 Design all mofton terraces as outdoor menity areas and/or a green roof, which include soft and hard landscaping, as well as appropriate lighting and shaded seating area
- 3 Consider green rooftops for building bases and tops where planting could thrive and enhance the building appeal from the street to reduce urban heat island effects, to improve air quality and to contribute to noi
- 4 Provide private balconies for residential user
- 5 Consider front porches for ground floor units where appropriate to the building architectural style and design.
- 6 Provide units with windows and balconic







## SAFETY

Building siting, orientation, and the design of spaces open to the public, should enhance feelings of personal safety and security.

- Environmental Design (CPTED) pri
- applied to exterior spaces open to the public 2 Engine structures landscaping and plant
- 3 Ensure the design of new development, through the placement of ground-level uses entrances, windows and balconies contribute to "eyes on the street" and allows for casual lance of streets, parks, open spaces and children's play areas.





- 5 Provide lighting at all common entrances, in parking areas, along all internal walkways, and in laneways.
- measures such as fencing or gates should be ornamental and complement the architectural
- 7 In parking areas, ensure clear views and sightlines are maintained, that there are multiple points of pedestrian and/or vehicula entry, that there are well-defined pedestrian routes, and that adjacent buildings have windows to provide overlook.
- possible to minimize trips and falls, especially stairs with 1 to 2 steps. Grade sites and use retaining walls where required to facilitate





- Public art on private sites distinguishes the development itself, while enhancing the adjacent public realm, adding visual richness and providing landmarks within the community. It is also an important tool to celebrate local heritage and ground new development in the history and character of its context. significant private development projects, as part of its community benefit discussion (re:
- Community Benefit Charges).
- independent or public art integrated into the building design or its associated landscape.
- 4 Provide public art that exhibits high quality construction, installation and materials, as appropriate for its intent.





- is appropriate to the site or location's physic
- 7 Public art should not obstruct pedestrian, cyclist or vehicular circulation, entrances, windows, or sight lines to important natural
- by existing or planned utility locations



# **LOW-RISE DEVELOPMENTS (1 to 4 storeys)**

- > Introduction -Design Principles, Built Form Types
- > General Design Guidelines
- > Form-Specific Guidelines

Guidelines in each subsection are organized in two groups: 'Site Organization' and 'Built Form Guidelines'

## **Key Updates:**

- Alignment with OP and ZBL
- Removed guidelines for Executive Housing
- Missing Middle Housing includes townhouses and low-rise apartments, as well as Multi-Plexes and Additional Residential Units (on existing lots), built forms newly added to the UDG document
- Streamlined ACGGRR

# GÉNERAL DESIGN GUIDELINES

#### SITE ORGANIZATION

- 1. Orient buildings to face the public realm in particular any adjacent streets, pedestrian connections and open space.
- 2 Design and place buildings to preserve and protect natural features and mature trees or
- 3 Ensure habitable interior spaces are located on the building face(s) fronting the public
- 4 Place buildings to have a consistent orientation, either front-to-front or back-toback configuration along streets/lanes or around open spaces.
- 5 Avoid front-to-back configurations, where possible. If necessary, ensure 'rear' elevation: are designed as main elevations (double frontage building) including architectural details and materials, in combination with recessed garages/parking access and
- 6 Protect views to existing natural/built heritage and landmark buildings.
- 7 Ensure setbacks (front and side yards) are generally consistent and reflect the spacing rhythm along the street; also refer to future







#### SINGLE DETACHED DWELLINGS

#### 1 For new subdivisions:

- a. Provide at least 3 distinct elev
- alternate elevations of the same mode

#### SEMI-DETACHED DWELLINGS

- b. Designing both units to have consisten architectural style (re: entrances, doors
- project from the garage wall.

#### What is Missing Middle Housing?

Missing Middle Housing types are those that fall between the densities of singledetached homes and mid- to high-rise apartments. This includes duplexes, triplexes and fourplexes, townhouses, live/ work buildings and courtyard apartments that achieve medium density yields.

Definition from Brampton Plan - 2023

- Provide at least 3 distinct elevations prodel, including different roof designs alternate elevations of the same mode. b. Ensure identical semi-detached buildi elevations (includes both units) an separated by a minimum of 2 lots.
- Ensure identical building elevation comprise no more than 30% of a block.

#### TOWNHOUSE DWELLINGS

- 2 Encourage lane-based and undergroup possible and especially for infill deve
- a. 6m for front loaded townhouse b. 5m for lane based or underground of
- the proportion of habitable spaces vs garages. 6.5m frontage is recomme
- a. Encourage shorter blocks of 4 to 6 unit h. Ensure greater blocks are highly height and plane breaks (projections and
- connections or lanes, ensure interior setback of at least 1.2m from the side lot line to allow or some light wall articulation, fenestration











# **MID-RISE DEVELOPMENTS (5 to 12 storeys)**

# > Site Organization

- Orientation, Placement and Setbacks
- Access, Parking and Servicing
- Landscaping and Common Amenity Areas

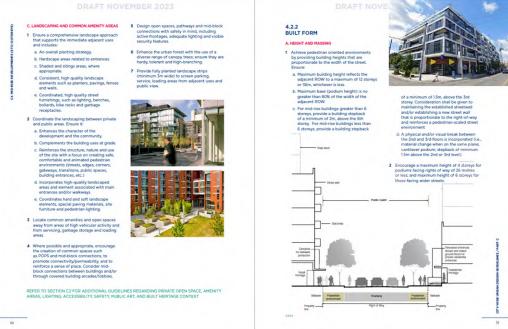
## > Built Form Guidelines

- Height and Massing
- Architectural Design and Building Articulation
- Roofs
- Entrances, Windows and Balconies/Terraces
- Utility/Service Meters and Mechanical Equipment/ Rooms
- Materials, Signage and Lighting

# **Key Updates:**

- Alignment with OP and ZBL
- Added max. building length (80m)
- Added angular plane
- Added podium height transition





# **HIGH-RISE DEVELOPMENTS (+13 storeys)**

## Context Considerations

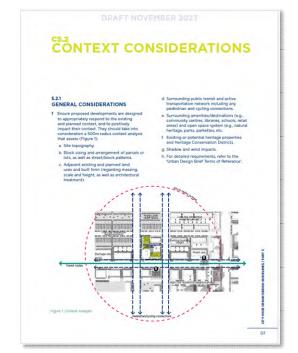
- Fit and Transition in Scale
- Landmark Buildings
- Heritage

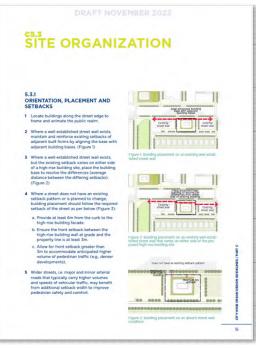
# > Site Organization

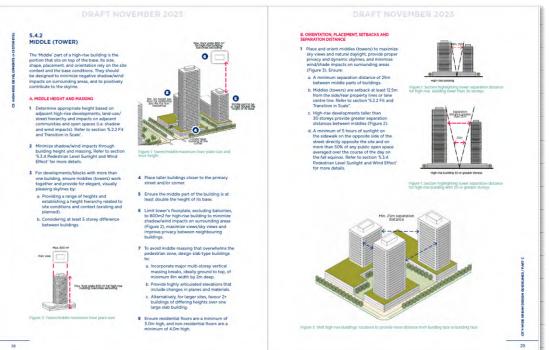
- Orientation, Placement and Setbacks
- Minimum Lot Area
- Access, Parking and Servicing
- Pedestrian Level Sunlight and Wind Effect

## Built Form Guidelines

- Base (Podium)
- Middle (Tower)
- Top (Rooftop)
- Bird-Friendly Design
- Materials
- Exterior Lighting







# NON-RESIDENTIAL DEVELOPMENTS

- > Form/Uses
- Institutional Buildings and Community Centres;
   Business Park Employment; Industrial/Employment;
   Large Format Commercial (new); Drive-Through
   Facilities; Automotive Service Centres
- > General Design Guidelines
- > Form-specific Guidelines

Guidelines in each subsection are organized in two groups: 'Site Organization' and 'Built Form Guidelines'





# MIXED-USE DEVELOPMENTS

## Form/Uses

- Applies to Urban Centres and Urban Boulevards
- Considers a mix of buildings forms on a site/property
- Focus on: transition to neighbourhoods; high-quality pedestrian-scaled environments; enhanced public realm; provision/distribution of urban parks (public and private)

# > Site Organization

Urban fabric (street, block, open space) in addition to discussing site layout/organization and characteristics of all elements at grade specific to mixed-use developments

## > Built Form Guidelines

Built Form includes guidelines related to the 3dimensional components of the development and building aesthetics

### PRINCIPLES/OBJECTIVES

- · Provide varied, unique and high quality building and landscape designs.
- · Provide enhanced private to public space
- Build upon the distinguishing characteristics of the neighbourhood ('compatible 'fit') including natural and built/landscape features.
- · Reinforce community structure and destinations.

#### CREATE HUMAN SCALED DEVELOPMENT AND

- · Create pedestrian-oriented, appealing and functional environments that allow for comfortable and immediate interactions
- · Animate the public realm.
- · Reduce the reliance on and dominance of cars.
- Ensure pedestrian connectivity and safety

- · Provide appropriate transitions in built form and intensity of uses.
- · Incorporate desirable characteristics of the surrounding built form and landscape

#### ENSURE COHESIVE, WELL-DESIGNED

- · Provide clear structure, organization and articulation of the different parts within mixed use developments/buildings.
- · Avoid conflicts between ground related uses/
- · Design building elevations to reflect and complement different uses.

#### **ENCOURAGE MULTI-FUNCTIONAL SPACES**

. Encourage multi-functional spaces that can accommodate different uses in symbiotic ways to promote full day activity and animation.

#### SUPPORT CITY-WIDE SUSTAINABLE STRATEGIES

- . Provide compact forms of development that include a diversity of uses.
- Encourage active transportation choices
- Encourage redevelopment of underutilized



# SITE ORGANIZATION



THE DESIGN GUIDELINES CONTAINED IN THIS SECTION APPLY TO MIXED-USE DEVELOPMENTS, IN ADDITION TO THOSE CONTAINED IN SECTIONS C2 TO C6 OF THIS DOCUMENT.

## (STREETS, BLOCKS, PUBLIC SPACE)

- connected street and block pattern and knit new streets to the existing street grid (refer to B2 - Built Environment)
- 2 Provide urban parks in prominent, accessible places within mixed-use areas; these public spaces should be designed to enhance the B4.5 - Urban Parks).
- 3 Provide a combination and network of urban parks and private open spaces that are also connected to existing parks and open spaces these should be connected by way of the pedestrian system.
- 4 Provide transition to surrounding neighbourhoods through the placement orientation and massing of buildings.

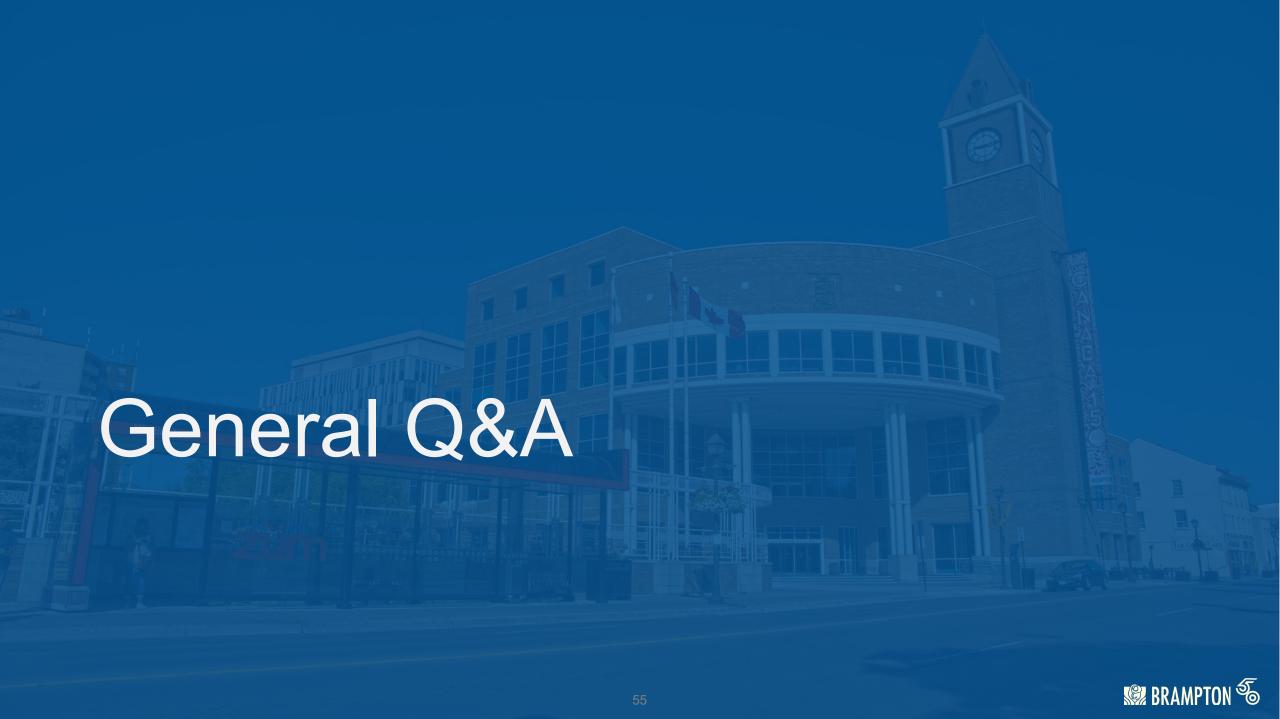
#### BIIII DING OPIENTATION PLACEMENT AND SETBACKS

- towards the main intersection, away from low
- 2 Orient main building elevations and main entrances to the primary street frontages
- 3 Design and orient buildings to a. Protect and create view corridors and
- b. Maximize views and privacy for building
- c. Protect and enhance sky views; and,
- d. Frame pedestrian and vehicular connections to community amenities/use and transit nodes.











# Comments and Further Engagement

- Please provide your preliminary comments to us by <u>April 1<sup>st</sup>, 2024.</u>
   Comments submitted after this date may not be addressed by the next Draft.
- Additional public engagement opportunities are planned in Q2 2024 before the release of the Second Draft.
  - Visit our public engagement pages for updates:
    - CZBR | https://letsconnect.brampton.ca/zoning-review
    - UDG https://letsconnect.brampton.ca/urbandesignguidelines
  - Sign up for general email updates or register for detailed notification.

# Let's Connect!

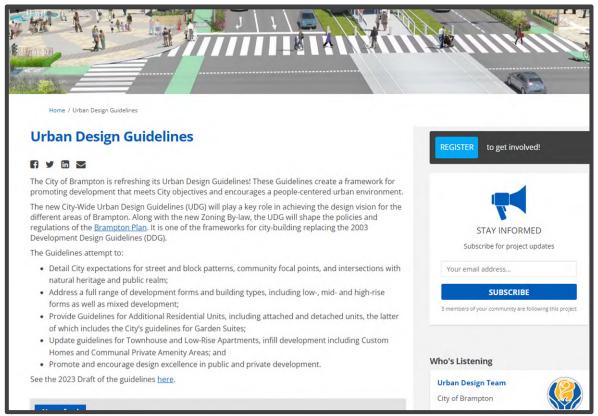
# **Comprehensive Zoning By-law Review**

https://letsconnect.brampton.ca/zoning-review

## Home / Comprehensive Zoning By-law Review **Comprehensive Zoning By-law Review** to get involved! The City of Brampton is preparing for a new Comprehensive Zoning By-law. Renewing Brampton's Zoning By-law will ensure all residents and property owners have the needed up-todate tools to build and experience Brampton's future. This is an opportunity to help modernize Brampton's approach to city-building including planning, STAY INFORMED development, and economic growth. It also aligns with the values set in the City's 2051 Brampton Plan and implements its policies. Subscribe for project updates Public Consultation begins in the first quarter of 2024 to ensure residents, the development industry, public and not-for-profit organizations and other stakeholders get a chance to have their say in the new Your email address... Zoning By-law. For more information, visit the project website, email the project team and/or subscribe for project SUBSCRIBE updates. 13 members of your community are following this project Register for Notification Who's Listening Public Open House #1 Comprehensive Zoning By-**Law Review Team**

# **Urban Design Guidelines**

https://letsconnect.brampton.ca/urbandesignguidelines





# Staff Contact & Additional Information

# **Comprehensive Zoning By-law Review**

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# <u>Inquiries / Comments</u>

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## Additional Information & Documents

- Project Website <a href="https://www.brampton.ca/ZBR">https://www.brampton.ca/ZBR</a>
- Public Engagement page <u>https://letsconnect.brampton.ca/Zoning-Review</u>

# **Urban Design Guidelines**

# **Project Liaison**

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# **Additional Information & Documents**

 Public Engagement page (and 1<sup>st</sup> Draft) <u>https://letsconnect.brampton.ca/</u> <u>UrbanDesignGuidelines</u>



