



Agenda
Environment Advisory Committee
The Corporation of the City of Brampton

Date: Tuesday, April 13, 2021
Time: 6:00 p.m.
Location: Council Chambers - 4th Floor, City Hall - Webex Electronic Meeting
Members: Preethi Anbalagan (Co-Chair)
Akeem Gardner (Co-Chair)
Harripaul Bridgemohan
Rajbalinder Ghatoura
Jafir Jaferi
David Laing
Sanjay Mathur
Tamsen Metcalfe
Davika Misir
Amandeep Purewal
Sherry-Ann Ram
Vipul Shah
Stacey Wilson
City Councillor D. Whillans - Wards 2 and 6

NOTICE: In consideration of the current COVID-19 public health orders prohibiting large public gatherings and requiring physical distancing, in-person attendance at Council and Committee meetings will be limited to Members of Council and essential City staff only. Public attendance at meetings is currently restricted. It is strongly recommended that all persons continue to observe meetings online or participate remotely.

For inquiries about this agenda, or to make arrangements for accessibility accommodations for persons attending (some advance notice may be required), please contact:
Sonya Pacheco, Legislative Coordinator, Telephone 905.874.2178, TTY 905.874.2130
cityclerksoffice@brampton.ca

Note: Meeting information is also available in alternate formats upon request.

1. **Call to Order**

2. **Approval of Agenda**

3. **Declarations of Interest under the Municipal Conflict of Interest Act**

4. **Previous Minutes**

4.1. Minutes - Environment Advisory Committee - February 9, 2021

The minutes were considered by Committee of Council on February 24, 2021, and were approved by Council on March 3, 2021. The minutes are provided for Committee's information.

5. **Presentations\Delegations**

5.1. Staff Presentation re: Riverwalk Urban Design Master Plan Update

Presenter: Alex Taranu, Senior Advisor, Public Works and Engineering

6. **Reports/Updates**

6.1. Verbal Update from Stavroula Kassaris, Environmental Planner, Public Works and Engineering, re: Environmental Master Plan Update Approved by Council

6.2. Verbal Update from Stavroula Kassaris, Environmental Planner, Public Works and Engineering, re: Earth Day

6.3. Verbal Update from Michael Hoy, Supervisor, Environmental Planning, Public Works and Engineering, re: Centre for Community Energy Transformation

7. **Sub-Committees**

8. **Other New/Business**

8.1. Discussion Item at the request of Stacey Wilson, Committee Member, re: Peel's Residential Rat Program and Problem

9. **Correspondence**

10. **Question Period**

11. **Public Question Period**

15 Minute Limit (regarding any decision made under this section)

During the meeting, the public may submit questions regarding recommendations made at the meeting via email to the City Clerk at cityclerksoffice@brampton.ca, to be introduced during the Public Question Period section of the meeting.

12. **Adjournment**

Next Regular Meeting: Tuesday, June 8, 2021



Minutes

Environment Advisory Committee

The Corporation of the City of Brampton

Tuesday, February 9, 2021

Members Present:

Preethi Anbalagan (Co-Chair)
Akeem Gardner (Co-Chair)
Harripaul Bridgemohan
Rajbalinder Ghatoura
Jafir Jaferi
David Laing
Sanjay Mathur
Davika Misir
Sherry-Ann Ram
Stacey Wilson
City Councillor D. Whillans

Members Absent:

Tamsen Metcalfe
Amandeep Purewal
Vipul Shah

Staff Present:

Michael Hoy, Supervisor, Environmental Planning, Public Works and Engineering
Stavroula Kassaris, Policy Planner, Environment , Public Works and Engineering
Zoe Milligan, Environmental Project Specialist, Public Works and Engineering
Tammi Jackson, Legislative Coordinator

1. **Call to Order**

The meeting was called to order at 6:03 p.m. and adjourned at 7:31 p.m.

2. **Approval of Agenda**

The following motion was considered.

EAC001-2021

That the agenda for the Environment Advisory Committee Meeting of February 9, 2021, be approved, as published and circulated.

Carried

3. **Declarations of Interest under the Municipal Conflict of Interest Act**

Nil

4. **Previous Minutes**

4.1 **Minutes - Environment Advisory Committee - December 8, 2020**

Note: The minutes were considered by Committee of Council on January 20, 2021 and approved by Council on January 27, 2021. The minutes were provided for Committee's information.

5. **Presentations\Delegations**

5.1 Delegation from Jack Gibbons, Chair, Ontario Clean Air Alliance, re: **Municipal Resolution - Phasing Out Ontario's Gas-Fired Power Plants**

Jack Gibbons, Chair, Ontario Clean Air Alliance, provided a presentation regarding the Municipal Resolution - Phasing Out Ontario's Gas-Fired Power, which included information on the following:

- Ontario's demand for electricity will increase by approximately 1% per year.

- Outlined implementation measures need to be put in place to reduce greenhouse gas pollution by additional 7.3 to 14 million tonnes per year to achieve the 2030 climate target.
- Ways to phase out Ontario's Gas Plants:
 - Energy efficiency
 - Quebec water power
 - Wind and solar energy
- By distributing resources, jobs will be established within communities
- Quebec's hydro electricity supply can back-up wind and solar energy
- Cost comparison of Ontario electricity problems.
- Phasing out gas power plants will assist with the reductions required to achieve GHG reduction targets

Committee discussion on this matter included the following:

- Environmental impacts of expanding infrastructure.
- Clarification on the Ontario Independent Electricity System Operator IESO Report
- Increased ability to import electricity from Quebec
- Cost of solar and wind power versus nuclear power
- The Goreway Power Station and the Halton Hills Generating Station Clean Energy Supply Contract with the IESO expiring in 2029 and 2030, respectively.

The following motion was considered.

EAC002-2021

1. That the delegation from Jack Gibbons, Chair, Ontario Clean Air Alliance, to the Environment Advisory Committee Meeting of February 9, 2021, re:
Municipal Resolution - Phasing Out Ontario's Gas-Fired Power Plants
 be received; and,

WHEREAS the Government of Ontario is forecast to increase greenhouse gas (GHG) emissions from Ontario's natural gas-fired power plants from 3 megatonnes CO₂e in 2017 to 11 megatonnes CO₂e by 2030 and to

approximately 13 megatonnes CO₂e by 2040, reversing more than a third of the GHG reductions that were achieved by phasing out coal-fired power plants; and,

WHEREAS GHG emissions are causing temperatures to rise in Canada at more than double the rate of the rest of the world, causing impacts to municipal operations and affecting City of Brampton residents; and,

WHEREAS, in June 2019, the City of Brampton declared a climate emergency; and,

WHEREAS, in September 2020, the City of Brampton approved the City's first comprehensive Community Energy and Emissions Reductions Plan (CEERP); and,

WHEREAS the CEERP sets out ambitious goals, including reducing GHG emissions by 30% from 2016 levels by 2030, 50% by 2040, and at least 80% by 2050; and,

WHEREAS, if the City is to meet its targets under the CEERP, the Ontario electricity grid must remain low carbon; and,

NOW THEREFORE BE IT RESOLVED that it is the position of the Environment Advisory Committee:

2. That the City of Brampton requests the Government of Ontario to place an interim cap of 2.5 megatonnes per year on GHG emissions from Ontario's natural gas-fired power plants and develop and implement a plan to phase-out all natural gas-fired electricity generation by 2030 to ensure that Ontario meets its climate targets; and,
3. That the City of Brampton request that the Government of Ontario invest in residential, business, industrial and institutional energy efficiency programs to reduce the need for additional natural gas-fired power plants; and,
4. That this resolution be sent to the Minister Environment, Conservation, and Parks, the Minister of Energy, Northern Development and Mines, David Piccini, MPP, and Ontario Premier Doug Ford.

5.2 Presentation by Karley Cianchino, Environmental Planning Student, Public Works and Engineering, re: **Pursuing Bee City Canada Designation for the City of Brampton**

Karley Cianchino, Environmental Planning Student, Public Works and Engineering, provided a presentation regarding Pursuing Bee City Canada Designation for the City of Brampton, which included information on the following:

- What a Bee City is
- The importance of pollinators
- Bee City Canada
- Outline of what Brampton is already doing to support pollinators
 - Community outreach and education
 - Parks Environmental Stewardship Program
 - Natural Heritage Brochure Series
 - Sustainable Neighbourhood Action Program (SNAP)
 - Community Programs and Events
 - Seedy Saturday and Garden Show
 - Community Garden Program
 - Backyard Garden Program
 - Community Stewardship Program
 - City Strategies, Programs and Guidelines
 - Naturalization Program
 - Don't Mow, Let it Grow Initiative
 - One Million Trees Program
 - Jefferson, Jordan, and Jayfield Parks Revitalization Project (Eco Park Strategy)
 - Landscape Development Guidelines

- Sustainable Community Development Guidelines and Sustainability Metrics
 - Reasons, benefits and community opportunities of becoming a Bee City
 - Bee City designation process

Committee discussion on this matter included the following.

- Suggestions on improving the Don't Mo, Let it Grow initiative
- City staff working with ecologists and other pollinator specialists when planning restoration projects to support pollinators
- Question as to whether the City would consider using it's greenhouses to grow native plants
- Difficulties of sourcing sufficient volumes of native species to plant in all of the City's garden beds
- Increasing communication with residents in areas where naturalization/restoration work is being undertaken.

The following motion was considered.

EAC003-2021

1. That the presentation from Karley Cianchino, Environmental Planning Student, Public Works and Engineering, to the Environment Advisory Committee of February 9, 2021 re: **Pursuing Bee City Canada designation for the City of Brampton** be received;
2. That the Environment Advisory Committee endorse the City of Brampton pursuing the Bee City Canada designation, and recommend that Council direct City staff to submit the Bee City Canada application to designate Brampton as a Bee City.

Carried

5.3 Delegation from Sylvia Roberts, Brampton Resident, re: **Centre for Community Energy Transformation (CCET).**

Item 6.4 was brought forward and dealt with at this time.

Michael Hoy, Supervisor, Environmental Planning, Public Works and Engineering, provided a brief overview of the Centre for Community Energy Transformation (CCET) and advised the Committee that staff were moving

forward with establishing a Community Advisory Task Force, which would support the implementation of the Community Energy and Emissions Reduction Plan (CEERP). Mr. Hoy also provided a brief summary the requested experience and backgrounds of potential members, and advised that applications were being accepted until February 19, 2021 and outlined the skills required for the role.

S. Roberts, Brampton Resident, expressed concerns regarding the requirements of the applicants and the process outlined for the project. S. Roberts noted they did not feel the CEERP Plan is addressing Brampton's needs, and suggested the City support more transit oriented development.

The following motion was considered.

EAC004-2021

1. That the verbal update from Michael Hoy, Supervisor, Environmental Planning, Public Works and Engineering, to the Environment Advisory Committee Meeting of February 9, 2021, re: **Centre for Community Energy Transformation (CCET)** be received; and,
2. That the delegation by Sylvia Roberts, Brampton Resident, to the Environment Advisory Committee meeting of February 9, 2021, re: Centre for Community Energy Transformation (CCET), be received.

Carried

6. Reports/Updates

- 6.1 Verbal Update from David Laing, Grow Green Network Working Group Chair, re: **Status of the Grow Green Network**

David Laing, Grow Green Network Working Group, Chair, provided an overview of the Status of the Grow Green network and outlined two focus areas:

- First focus area – transitioning the current Grow Green Network to a charitable not-for-profit.
- Second focus area - to provide value to the existing Grow Green Network members through, workshops, and technical presentations, as well as resource sharing.

The following motion was considered.

EAC005-2021

That the verbal update from David Laing, Grow Green Network Working Group Chair, to the Environment Advisory Committee Meeting of February 9, 2021, re: **Status of the Grow Green Network**, be received.

Carried

6.2 Verbal Update from Stacey Wilson, Committee Member, re: **Progress on the Grow Green Network Website Update**

Stacy Wilson, Committee Member, requested an update on the progress of the Grow Green Network website.

Michael Hoy, Supervisor, Environmental Planning, advised that City staff received feedback from EAC members for improvement of the Grow Green webpages, and the update to the webpages was delayed as the City's IT Services was focused on finishing with another portfolio for the Public Works website. The Grow Green Network website update project will start March 2021.

The following motion was considered.

EAC006-2021

That the verbal update from Michael Hoy, Supervisor, **Environmental Planning, to the Environment Advisory Committee Meeting of February 9, 2021, re: Progress on the Grow Green Network Website Update** be received.

Carried

6.3 Verbal Update from Zoe Milligan, Environmental Project Specialist, Public Works and Engineering, re: **Designating September as Brampton Tree Month**

Zoe Milligan, Environmental Project Specialist, Public Works and Engineering, provided an overview of the Designating September as Brampton Tree Month and outlined the following:

- Staff will be bringing a report to Committee of Council in late March to provide an update on the One Million Trees Program, as well as a recommendation that Council designate September as Brampton Tree Month
- Each year September has been National Forest Week and the Wednesday of that week is National Tree Day.
- The City of Brampton typically celebrates this week and day by hosting community tree planting events during the month of September.

- Last year, due to the COVID pandemic, the City released tree related social media posts and videos, which were well-received by the public.
- In January 2020 Council passed a resolution to designate September as Tree month
- Future tree months will combine activities undertaken in the past, as well as provide opportunities for new ways to celebrate trees.

The following motion was considered.

EAC007-2021

That the verbal update from Zoe Milligan, Environmental Project Specialist, Public Works and Engineering, to the Environment Advisory Committee Meeting of February 9, 2021, re: **Designating September as Brampton Tree Month** be received.

Carried

- 6.4 Verbal Update from Michael Hoy, Supervisor, Environmental Planning, Public Works and Engineering, re: **Centre for Community Energy Transformation (CCET)**

Dealt with under item 5.3 - Recommendation EAC004-2021.

7. Sub-Committees

Nil

8. Other New/Business

- 8.1 Discussion Item at the request of Rajbalinder Ghatoura and Amandeep Purewal, Committee Members, re: **Establishment of a Waste Literacy Campaign**

Rajbalinder Ghatoura and Amandeep Purewal, provided an overview of the proposed establishment of a Waste Literacy Campaign, its key tactics (social media content and videos on sorting waste, compostable and recyclable's).

Committee discussion on this matter included the following.

- Salt management
- Water savings for residential and city buildings

- How the Environmental Master Plan can be used to support better management practices

8.2 Discussion Item at the request of David Laing, Committee Member, re: **Recognition of Earth Day - April 22, 2021**

David Laing, Committee Member, provided an overview of Recognition of Earth Day - April 22, 2021 and asked the committee for feedback with respect to how the committee could recognize this particular day.

Stavroula Kassaris, Policy Planner, Environment , Public Works and Engineering, provided clarification that the City of Brampton in previous years recognized Earth Day through community planting events in partnership with local Conservation Authorities. Ms. Kassaris advised that in 2020 the earth day celebration was slightly different due to the COVID-19 pandemic. Earth Day was celebrated through the City of Brampton's social media platforms with direction given regarding how Brampton residents could recognize the day. This year's celebrations will be determined by Provincial and Regional regulations and guidelines surrounding the pandemic.

8.3 Discussion Item at the request of David Laing, Committee Member, re: **EAC Participation in the “Smelling Pink” Spring Festival - May 7-9, 2021**

David Laing, Committee Member, provided an overview of the “Smelling Pink” Spring Festival being proposed for the weekend of May 7-9, 2021 and advised that due to the COVID-19 pandemic the planning for the event had been put on hold and should the event still take place it would be on a much smaller scale. Mr. Laing asked the Committee if there was any interest of having a booth set up at the event.

Stavroula Kassaris, Policy Planner, Environment, Public Works and Engineering, provided clarification that City staff are working with the individual organizing the event and that plans would be subject to COVID-19 precautions. Ms. Kassaris advised that the Environmental Advisory Committee is a Committee of Brampton that was required to follow subject guidelines (how many people participate, how and where to set up).

9. Correspondence

- 9.1 Correspondence provided by City Councillor Whillans, re: **Atlas365 Inc. Announcement titled "Black Entrepreneurs Get Green, In A Majority White Cannabis Industry: Atlas365 Inc. Secures Oversubscribed Round for New Portfolio Company: Canurta Inc."**

The subject Correspondence was provided within the agenda package and was not displayed during the meeting. Committee acknowledged the information provided within.

The following motion was considered.

EAC008-2021

That the Correspondence from City Councillor Whillans, to the Environment Advisory Committee Meeting of February 9, 2021, re: **Atlas365 Inc. Announcement titled "Black Entrepreneurs Get Green, In A Majority White Cannabis Industry: Atlas365 Inc. Secures Oversubscribed Round for New Portfolio Company: Canurta Inc."**, be received.

Carried

10. Question Period

Nil

11. Public Question Period

15 Minute Limit (regarding any decision made at this meeting)

During the meeting, the public may submit questions regarding recommendations made at the meeting via email to the City Clerk at cityclerksoffice@brampton.ca, to be introduced during the Public Question Period section of the meeting.

Questions were asked with respect to the following:

- Who is involved with the Bee program at the school boards level.
- Waste Literacy project- key objectives and partners for this initiative and time frame for deliverables
- Initiatives around water savings in residential and city buildings and, salt reduction program during winters

12. **Adjournment**

Next Meeting: Tuesday, April 13, 2021

The following motion was considered.

EAC009-2021

That the Environment Advisory Committee do now adjourn to meet again on Tuesday, April 13, 2021 at 6:00 p.m. or at the call of the Chair.

Carried

Preethi Anbalagan – Co-Chair

Akeem Gardner – Co-Chair

Date: 2020-04-08

Subject: **Riverwalk Urban Design Master Plan Update**

Contact: Alex Taranu, Senior Advisor, Public Works and Engineering,
alex.taranu@brampton.ca

Report Number: Public Works & Engineering-2021-459

Recommendations:

1. That the presentation from Alex Taranu, Senior Advisor, Public Works and Engineering, to the Environment Advisory Committee of April 13, 2021 re: **Riverwalk Urban Design Master Plan Update** be received.

BRAMPTON'S RIVERWALK

The Riverwalk Area Urban Design Master Plan (UDMP)

Presentation for Brampton's Environmental Advisory Committee (BEAC)

April 13, 2021

*Alex Taranu, Sr. Advisor, Design
Environment & Dev. Engineering*

*Stav Kassaris, Environmental Planner,
Environment & Dev. Engineering*

Public Works & Engineering Department, City of Brampton

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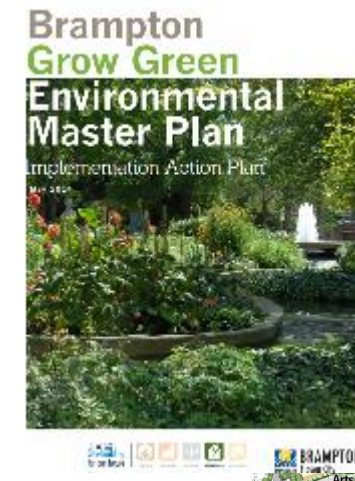
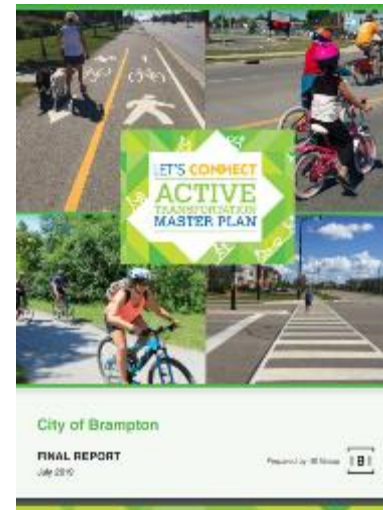
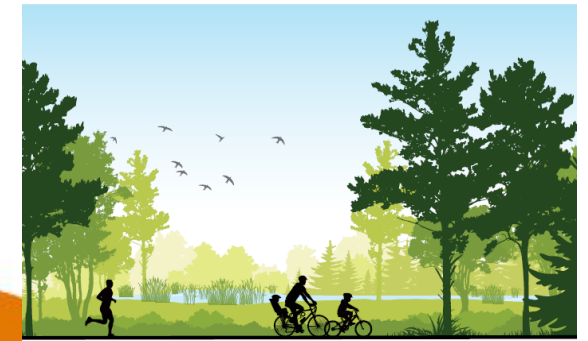
The Riverwalk Program: Overview

- Key infrastructure and transformative initiative for Downtown Brampton
- Integrates flood protection, revitalization, nature and open space, place making, public amenities
- Transforms a liability into a sustainable asset and attraction for economic growth and people
- Integrates with other strategic initiatives
- Catalyst for Downtown revitalization, development



The Riverwalk Program: Policy Context and Support

- Provincial Urban Growth Centre, Special Policy Area update (2014)
- **TRCA Living City Strategy**
- **Brampton Grow Green Environmental Master Plan**
- **Parks and Recreation Master Plan**
- **Active Transportation Master Plan**
- Council approval of the Vision, Feasibility Studies; continuous Council support
- Current Term of Council priority
- Brampton 2040 Vision
- **Brampton Eco Park Strategy**
- Economic Development Master Plan, Tourism Strategies
- Arts & Culture Master Plan update, upcoming Cultural Heritage Strategy
- ROP Active Parks Design Guide, COB Sustainability Guidelines and Indicators



FIVE-YEAR UPDATE TO
BUILDING
The Living City
2013-2022 STRATEGIC PLAN



Riverwalk Program Work Components: Overview



Downtown Brampton Flood Protection Env. Assessment (DBFP EA)

- Commenced in 2018 to seek solutions for Downtown Brampton flood protection
- Led by Toronto & Region Conservation Authority (TRCA) in partnership with the City of Brampton
- **Completed Summer 2020; approved in Sep 2020**

Urban Design/Open Space Master Plan (UDMP)

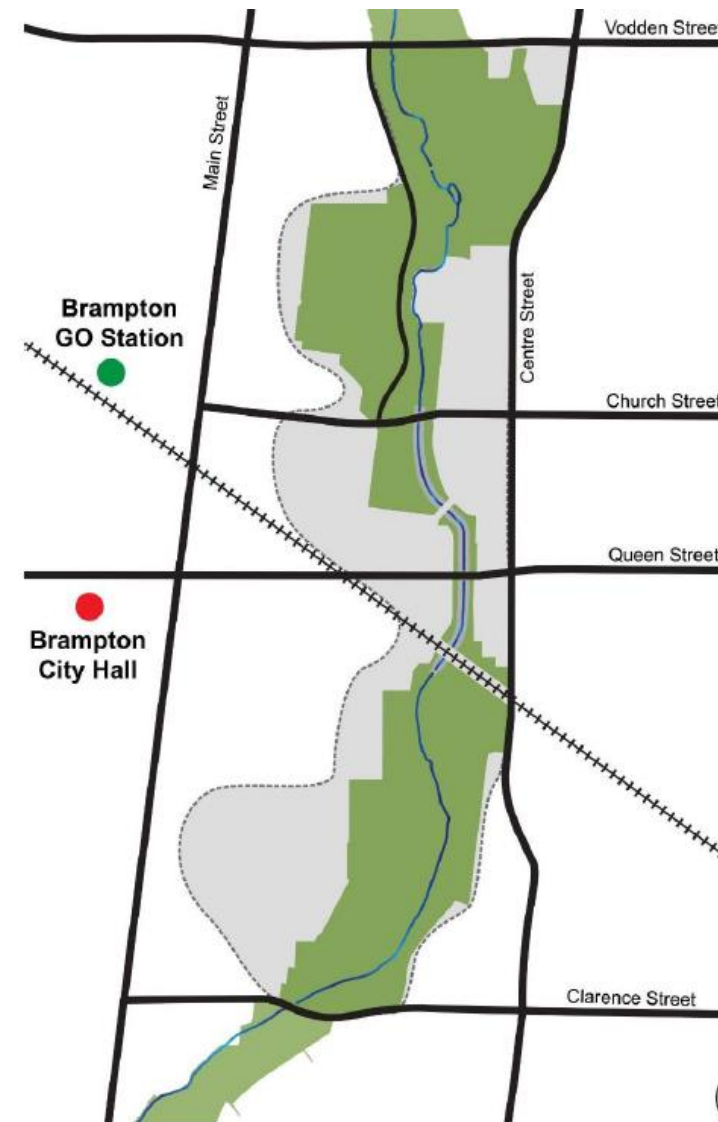
- Commenced in 2019 to complement the EA
- Led by City of Brampton
- Producing an overall master plan for open space; design concepts for the main parks; preliminary programming; integrating sustainability and resilience
- **Public engagement and consultation: 2020, Mar 2021**

Economic Development, Real Estate

- Return on Investment (ROI) Study (2019)
- Identified significant economic benefits of unlocking development in Downtown Brampton

Advocacy and Funding

- \$38.8 M from federal Disaster Mitigation Fund
- \$5.9 M approved by Council for Detailed Design



Riverwalk Program: Advocacy, Communication, Engagement

- Presentations, walks, social media posts
- **Website** is key information and communication platform
 - ✓ Overview of program
 - ✓ Key documents
 - ✓ FAQs
 - ✓ Image gallery (past, present, future)
 - ✓ Visualizations and videos
- Stakeholder engagement
- Outreach to community
- Community Liaison Team
- Public Info Session Oct 1, 2020
- **Public Info Session Mar 17, survey**

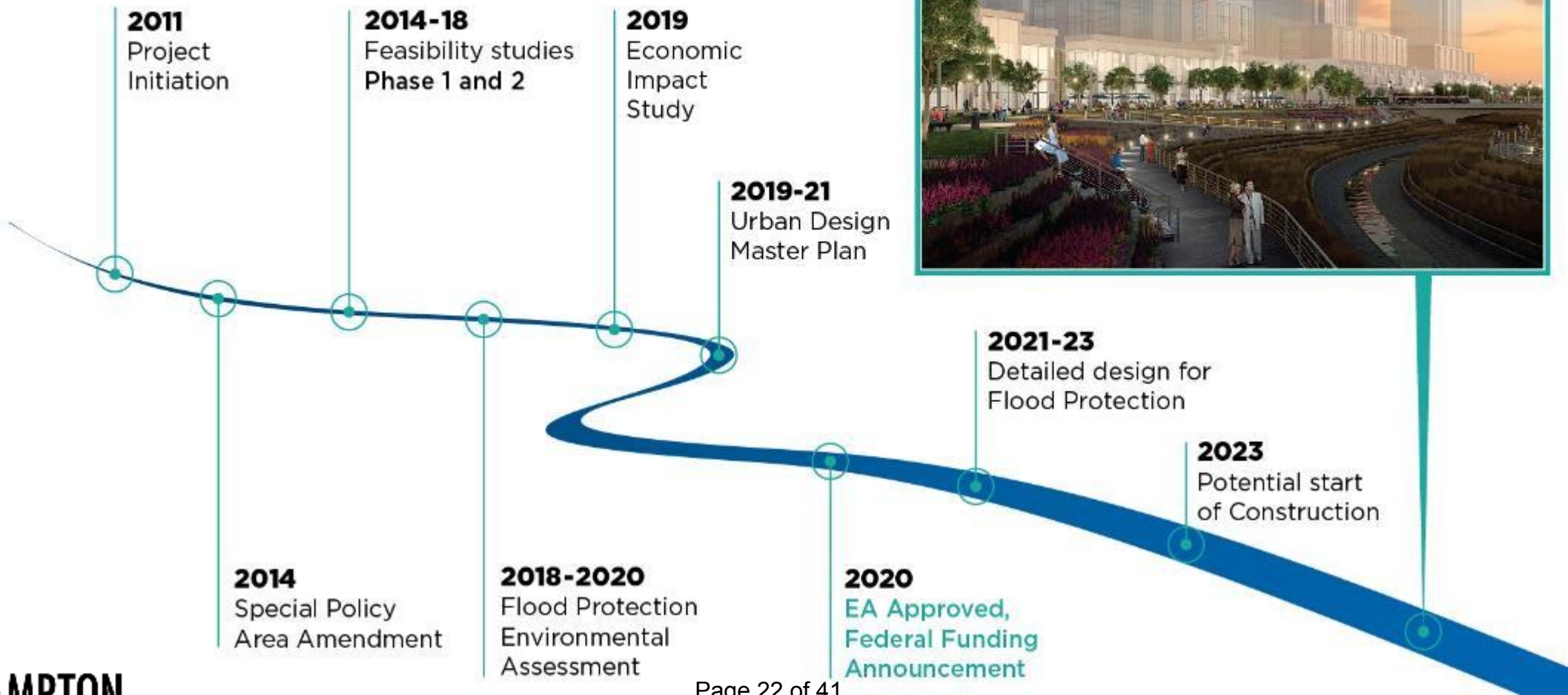


See <https://www.brampton.ca/EN/Business/planning-development/projects-studies/riverwalk/Pages/Have-Your-Say.aspx> for more information and updates

www.brampton.ca/riverwalk

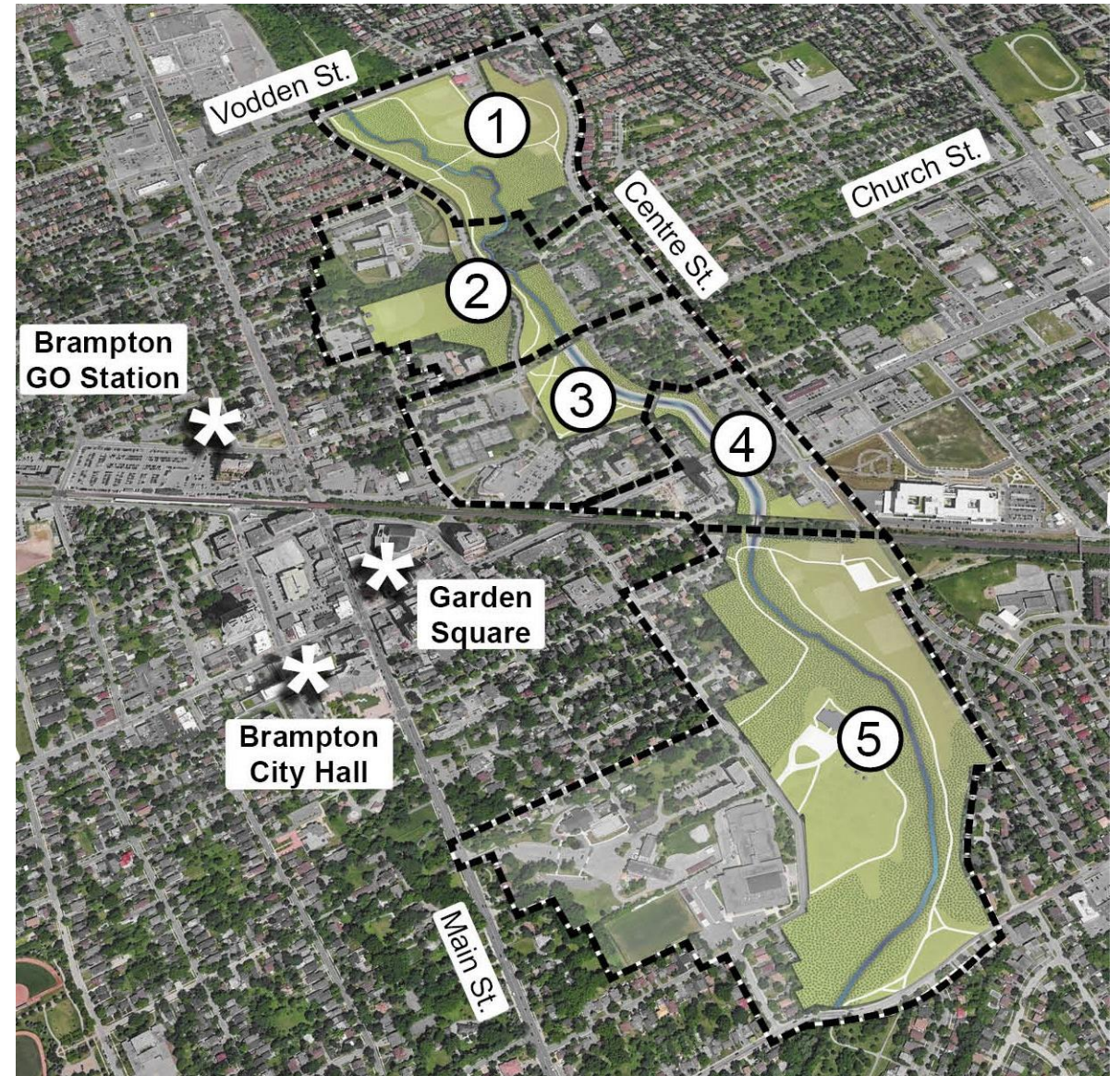
Riverwalk Program: Timelines

ETOBICOKE CREEK



Urban Design Master Plan: Overview

- Complements Environmental Assessment (EA) engineering solutions and **proposes landscape treatments** for flood mitigation elements
- Produces **open space and public realm master plan** for entire valley
- Integrates **active transportation** and transit
- Provides **preliminary programming** elements for parks
- Focuses on **making attractive places for all**, character and identity improvements
- Provides a **framework for resilience, sustainability and healthy living** for the area
- Targeting **completion** by Q2 2021



Riverwalk UDMP: Work to Date Summary



Natural Creek Bed in Centennial Park



Naturalized Planting in Centennial Park



Meadow in Duggan Park

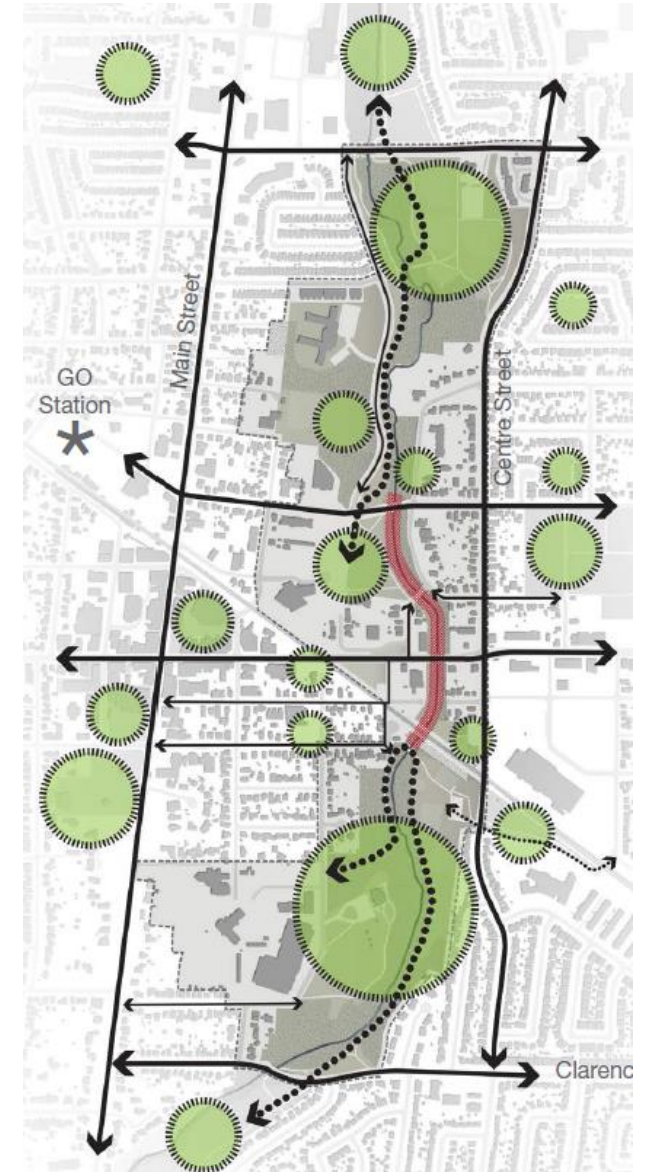


Existing Condition Analysis

Review context, current state; open space system/parks, environment, transportation and access, environment, cultural heritage, accessibility

Constraints & Opportunities Analysis

Valley and 5 component areas (Duggan Park, Central Public School Park, Rosalea Park, revamped channel, Centennial Park)



Design Vision Update

The City Faces the River, The City Rediscovered the River

Riverwalk is Brampton's new riverfront, a continuous ribbon of open space that weaves through and intersects with the city's urban fabric.

Riverwalk will be a catalyst for city building, community building, ecology, resilience and sustainability.

For a Summary of Public Information Session #1,
see: www.brampton.ca/riverwalk



Riverwalk UDMF: Work to Date

Environment, Resilience, Sustainability, Public Health focus

Riverwalk Vision

The City Faces the River The City Rediscovered the River

The original vision for Riverwalk presented opportunities for downtown revitalization. The Downtown Etobicoke Creek Revitalization Study was approved by Brampton City Council in June 2014.



*“The Riverwalk...
...provides a focal point for city
building, community, ecology,
resilience and sustainability”*

Design Principles and objectives

Riverwalk is Brampton's new riverfront, a continuous ribbon of open space that weaves through and intersects the City's urban fabric and provides a focal point for city building, community, ecology, resilience and sustainability.

Links & Connections

- Connect major destinations along and adjacent to Riverwalk.
- Link Riverwalk bike lanes, streets and transit.
- Integrate Riverwalk into surrounding neighbourhoods, public realm improvements.
- Establish a hierarchy of pathways and trails that are accessible, safe and understandable.
- Establish loops and links to for a flexible and varied experience.
- Create bridges and boardwalks that are accessible and safe.



Integration & Intensification

- Redefine and urbanize Riverwalk edges.
- Create a vibrant riverfront amenity by building upon the Flood Protection measures.
- Establish a new destination identity for the Riverwalk & Downtown.
- Create strong urban connections between the Riverwalk and Downtown Brampton.



Programming & Recreation

- Enhance programs and features to increase recreational opportunities while protecting sensitive habitats.
- Provide new pedestrian experiences of open spaces and water's edge.
- Improve and enhance the overall public realm and functionality.
- Develop varied movement and recreation routes.
- Encourage nature-based play and exploration.
- Encourage physical activity and wellness.



Discovery, Education & Interpretation

- Showcase the rich cultural heritage associated with Downtown Brampton, the Etobicoke Creek and within the Riverwalk study area.
- Develop clear and consistent wayfinding and interpretive signage around major trail entry points and nodes.
- Share the story of the Etobicoke Creek's natural and human history through public art and other installations.



Protect, Preserve & Enhance

- Expand and enhance terrestrial and aquatic habitat for native flora and fauna.
- Enhance responsible interaction with the natural environment.
- Protect and preserve the most sensitive natural areas.
- Protect, enhance and establish new view corridors, vistas and visual connections from surrounding streets, bridges and neighbourhoods, and within the Riverwalk Precinct.



Sustainability & Resilience

- Exhibit sustainable best practices and climate change leadership through innovative design, robust materials and low maintenance and cohesive management frameworks.
- Celebrate, enhance, create and integrate ecological spaces and habitat, improving resiliency to climate change, increasing our natural capital and protecting valuable natural resources and ecosystems for the future.



Safety & Accessibility

- Create a continuous trail that provides a clear, safe and intuitive route through Riverwalk.
- Provide clear and safe access all levels of mobility and ability.
- Implement a unified wayfinding and signage strategy.
- Create a lighting strategy addresses public safety objectives while achieving the highest standards of habitat protection, reduction of light pollution and energy efficiency.



The Riverwalk: Lessons from the Pandemic



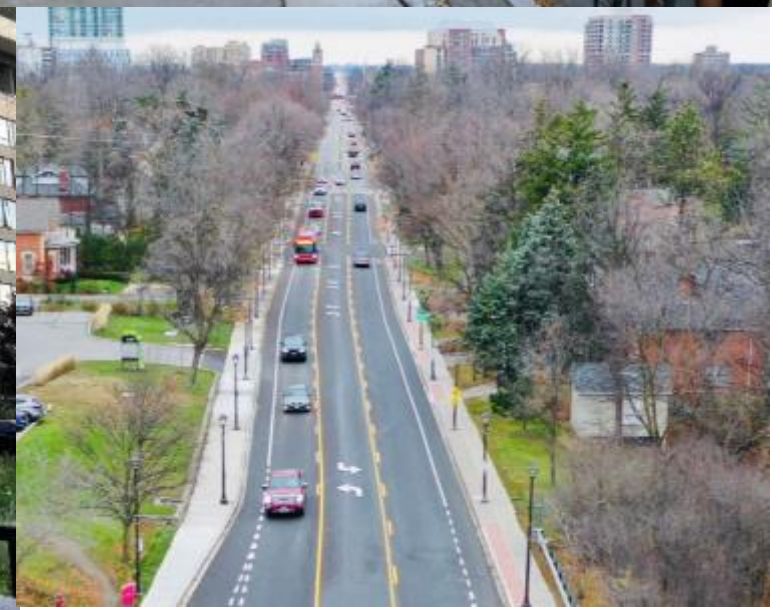
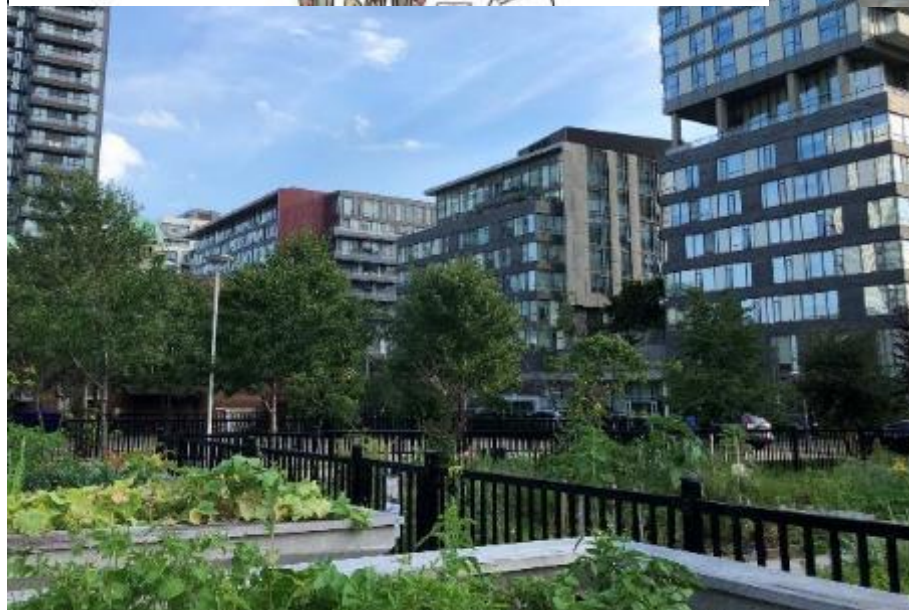
Key current issues arising from pandemic lessons:

- Access to nature and open space
- Access to sustainable mobility
- Access to affordable housing
- Access to amenities

+

The “new” economy

Post-pandemic City opportunities



Riverwalk UDMP: Environment, Resilience, Sustainability, Public Health

- Framework stage - planning and design directions, integration:
 - ✓ natural heritage enhancement
 - ✓ climate change mitigation and adaptation
 - ✓ sustainable mobility
 - ✓ sustainability, green energy and infrastructure
 - ✓ low impact development, storm water management
 - ✓ urban agriculture
 - ✓ active living, public health and wellbeing
 - ✓ access to nature
 - ✓ economic sustainability, social equity
 - ✓ environmental education
- Collaboration, partnerships: TRCA, Region of Peel, community
- Potential pilot/demonstration projects including in the interim
- Resilience, Sustainability and Healthy Development Framework to become complete Plan including performance indicators



The Riverwalk Program: **Brampton Eco Park**

Brampton Eco Park = a *network* of sustainable urban/green spaces (at the city scale), referred to as Eco Spaces, that better integrate residents with the natural environment

Guided by 7 principles:

- | | |
|--|---|
| 1) Maximize ecological value | 5) Integrate with surrounding community |
| 2) Provide opportunities for social services | 6) Support innovation |
| 3) Make nature visible | 7) Reflect local identity |
| 4) Design with nature | |

Eco Spaces

- a) enhance and maintain healthy natural systems and processes
- b) integrate opportunities for meaningful social and environmental interactions and experiences
- c) strive to incorporate the seven guiding Eco Park principles

www.brampton.ca/ecopark

***Eco Park as design driver:
“to plan, design and improve
the Riverwalk area as
a premier Eco Space”***



Riverwalk UDMP: Design Drivers, Directions

- **Eco Park Space concept**
 - ✓ Environmental and ecological enhancement
 - ✓ Green infrastructure
 - ✓ Access to nature
- **Programming for a variety of uses, for inclusivity**
 - ✓ Passive and active recreation options
 - ✓ Events, entertainment, public art
 - ✓ Natural and cultural heritage education
- **Focus on sustainable mobility**
 - ✓ Enhancing the active transportation network
 - ✓ Proximity of the Downtown mobility hub, regional transit/GO service, future LRT, Zum
 - ✓ High order transit network (upcoming Queen street BRT)
- **Strengthening Downtown character and identity**
 - ✓ Place-making and attractions based on the area's history/heritage, interpretative program
 - ✓ Cultural events, public art, wayfinding



Riverwalk UDMP: Design Directions, Approaches, Intent

Programming:

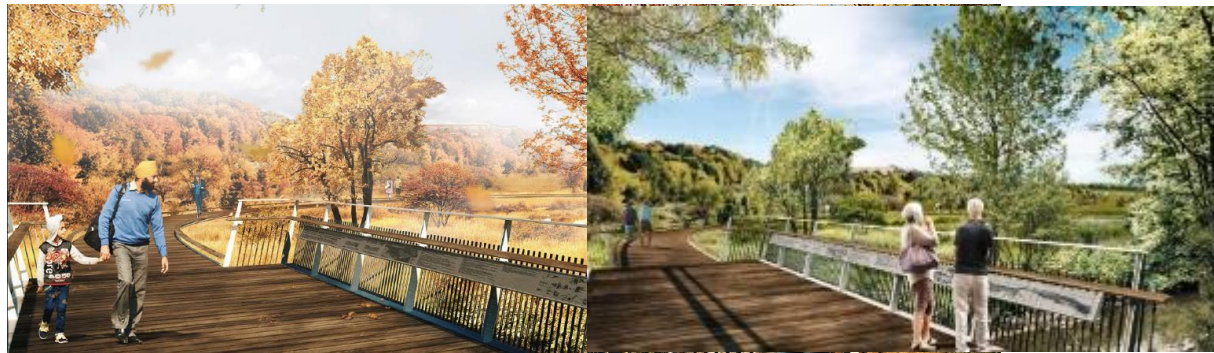
- Multiuse, flexible spaces for variety of uses
- Programming and design for all ages and abilities (8-80)
- Inviting and inclusive public spaces, public amenities for all
- Comfort and safety, accessibility
- Variety of spaces, places, and amenities from urban to natural
- Integrated/eco-design, “design with nature”
- Support for equity, social balance, education
- Attraction for downtown, events

*Design for people, with people -
design with heart.*



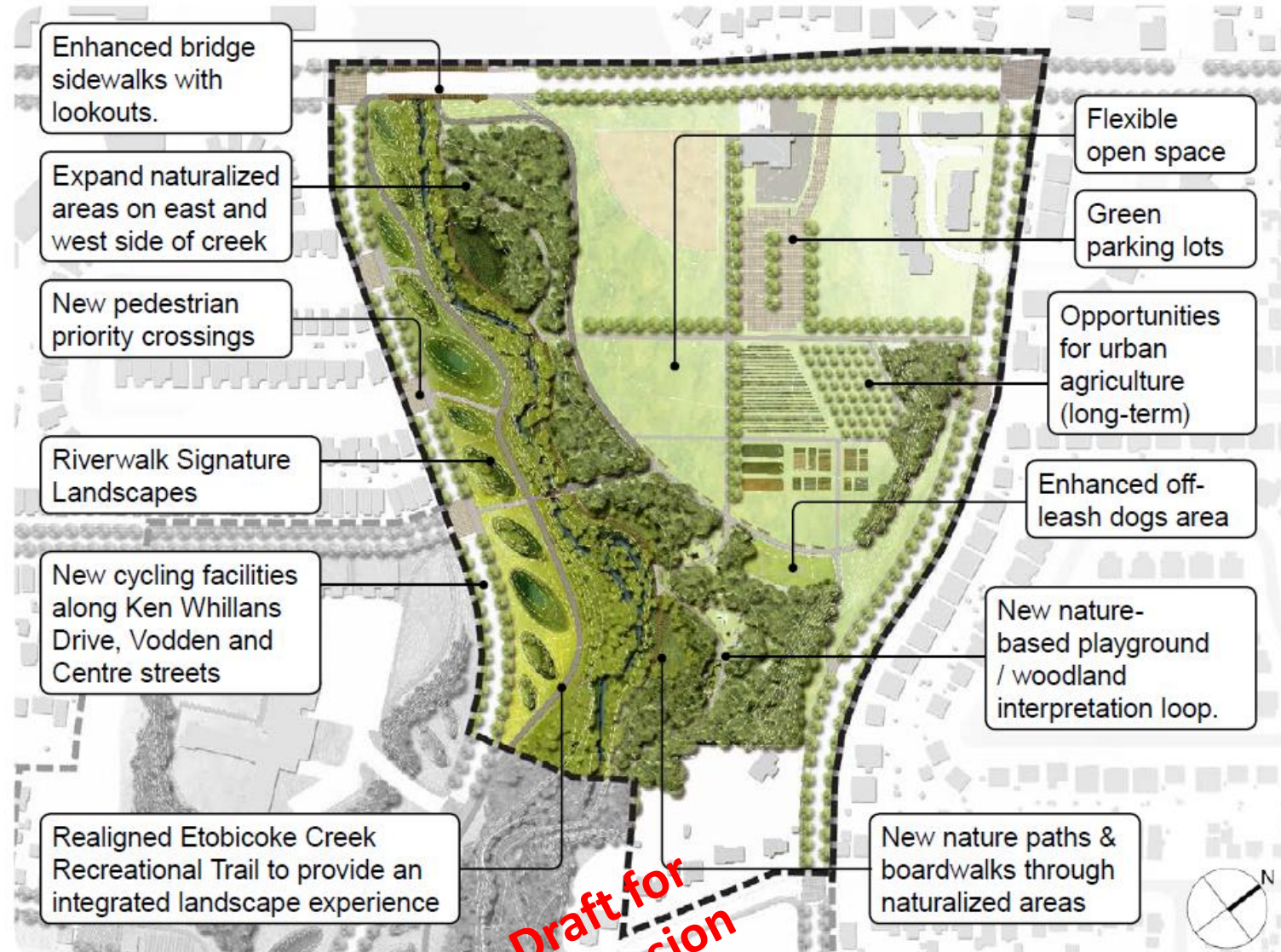
Riverwalk UDMP: Focus on Five Areas and Parks

- Duggan Park
- Central Public School/
Ken Whillans parkway
- Rosalea Park
- The Channel
- Centennial Park



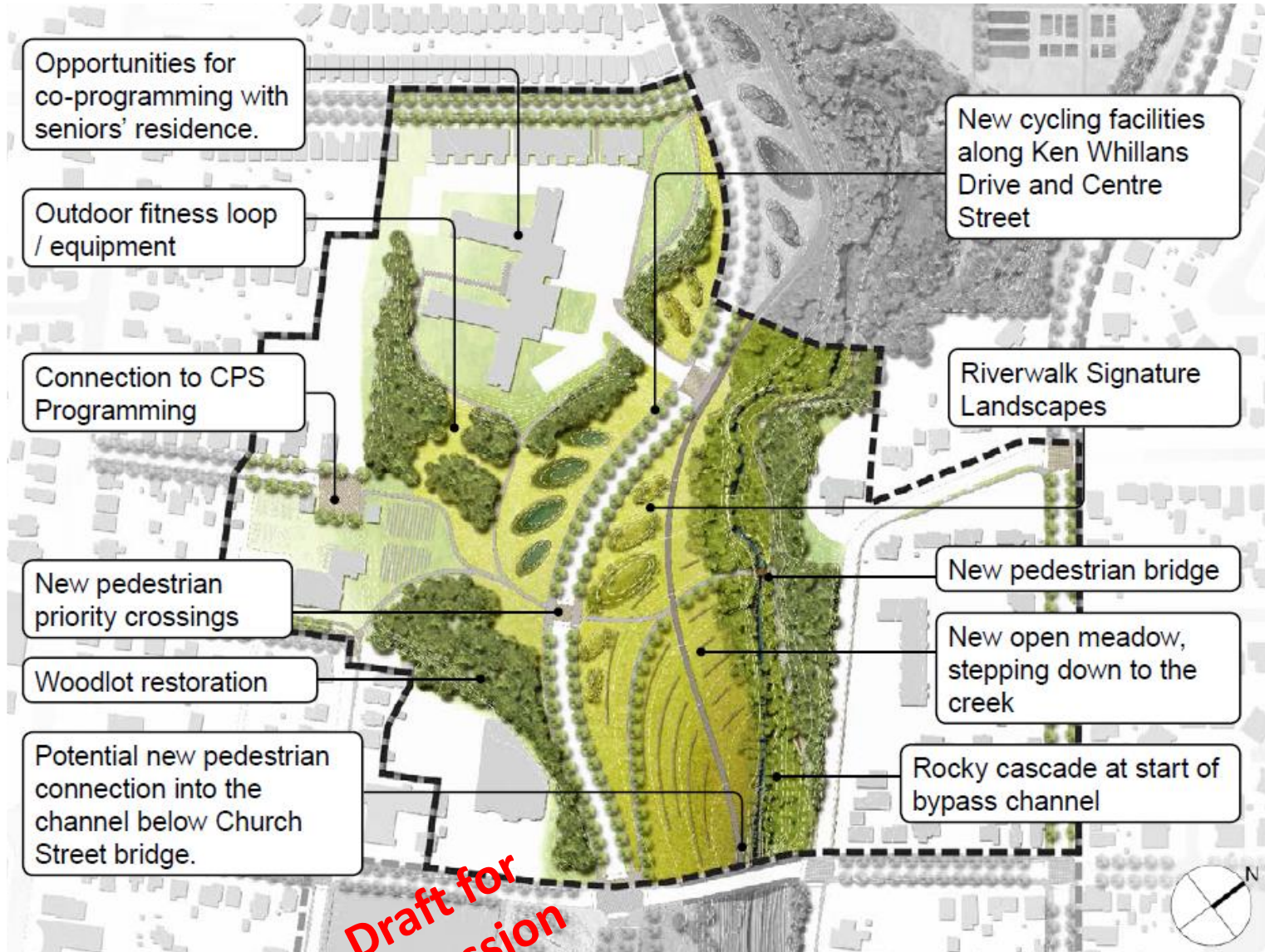
Design Intent and Concepts: Duggan Park

- Enhance and increase natural features (woodlot, wetland, riparian edge, etc).
- Establish new boardwalks and woodland trails.
- Provide improved access to the water's edge.
- Create new nature-based playground.
- Increase flexible space by relocating existing baseball fields, reconfiguring dogs-off leash area (long-term 10+ years)



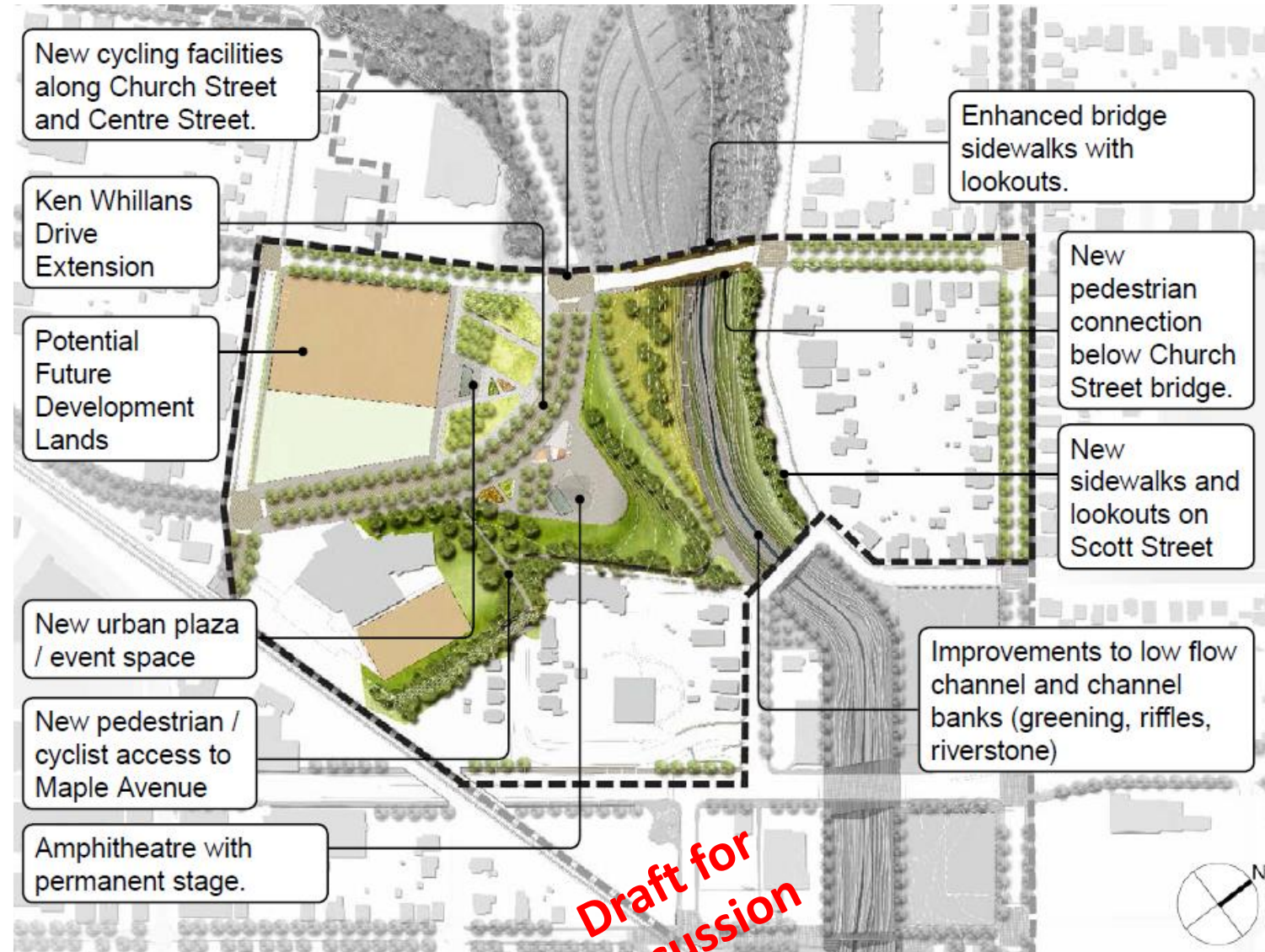
Design Intent and Concepts: Rosalea Park North

- Realignment and reconfiguration of Ken Whillans Drive into a complete street.
- Regrading of the space on the west side of the creek to create a new meadow landscape.
- Improvements to the Central Public School fields and facilities and connections with adjacent community.
- Creation of a rocky cascade feature at the mouth of the bypass channel.



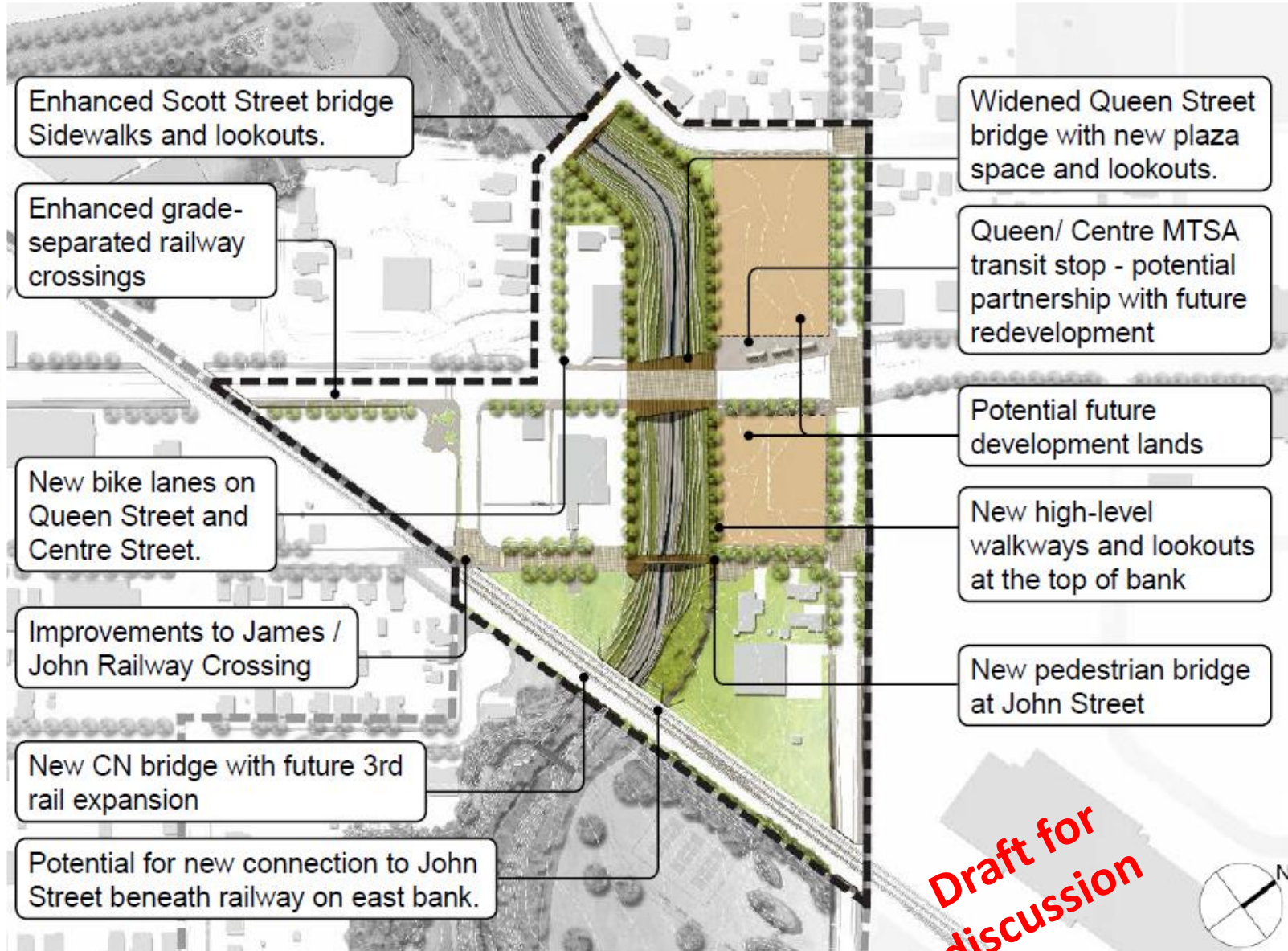
Design Intent and Concepts: Rosalea Park

- Create an extension of Downtown public open space and events spaces
- Grassed amphitheater, water features, seasonal programming
- New urban plaza and event space
- Extension of Ken Whillans Drive, new flexible street
- New connection to the Etobicoke Creek.



Design Intent and Concepts: Etobicoke Creek By-pass Channel

- The intersection between the valley/creek and the city. “A canyon through the city”.
- Rehabilitation of the Etobicoke Creek bypass channel to provide a better urban and ecological amenity.
- Reconnect the Etobicoke Creek Recreational Trail.
- New pedestrian / cycling bridge at John Street
- New public space and transit stop at Queen / Centre Streets



Environment, Sustainability, Resilience, Public Health

Opportunities:

- Bioswales along boulevards (existing reconfigured, relocated Ken Whillans Dr, new extension)
- SWP in Central Public School
- Pervious paving for parking areas
- Landscaped stepping along the channel
- Rain gardens
- Urban agriculture

Protect, Preserve & Enhance

- Expand and enhance terrestrial and aquatic habitat for native flora and fauna.
- Enhance responsible interaction with the natural environment.
- Protect and preserve the most sensitive natural areas.
- Protect, enhance and establish new view corridors, vistas and visual connections.



Sustainability & Resilience

- Exhibit sustainable best practices, innovative design and climate change leadership.
- Improve resiliency to climate change to increase natural capital and protect natural resources and ecosystems
- Incorporate resilience into the strategic, tactical and operational levels of the City.
- Foster equity through project planning, community engagement, and access to funding.

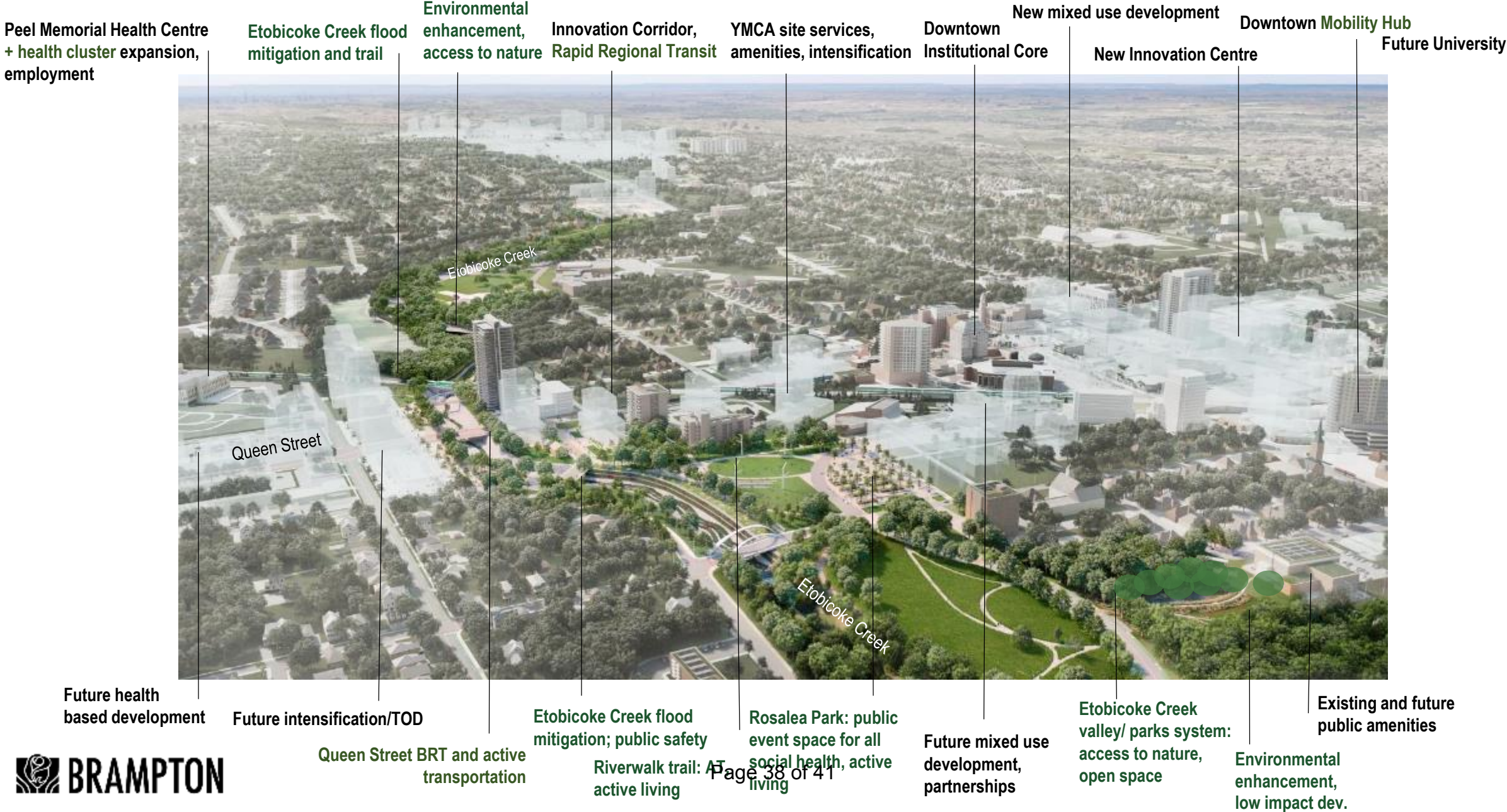


Discovery, Education & Interpretation

- Showcase the rich cultural heritage associated with Downtown Brampton, the Etobicoke Creek and within the Riverwalk study area.
- Develop clear and consistent wayfinding and interpretive signage around major trail entry points and nodes.
- Share the story of the Etobicoke Creek's natural and human history through public art and other installations.



Riverwalk Area: Downtown Revitalization and Development



The Riverwalk Project: Conclusion

When completed the Riverwalk will:

- **Protect** from flood and disasters
- **Revitalize** Downtown and surrounding area
- **Trigger** infrastructure renewal
- **Generate** employment, attract people, investment
- **Build** community, support diversity, bring people together
- **Develop** central park system, **contribute to Brampton Eco Park**
- **Make a resilient, sustainable, healthy Downtown and City**
- **Support** diversity and culture, improve social life
- **Stimulate** new approaches, innovation, change



Thank you!



Discussion Item at the request of Stacey Wilson, Committee Member, re: **Peel's Residential Rat Program and Problem**

The issue is related to Peel's Residential Rat Program and problem. I would like to inquire as to what IPM measures the region/city are intending to use (are they using rodenticide that is non-targeting to other native species ie fox, coyote, birds of prey), and to propose a possible pilot program to introduce owl habitat boxes in all the woodlots through city parks where feasible—as a possible partnership with the conservation authorities and a possible research study. Below are some supporting articles and existing projects for this idea. Barn Owls are one possibility as a species to attract-but this would need expert guidance...it may be possible to target attraction for a couple of species of owls and provide appropriate nesting and habitat recovery to increase the city's biodiversity and habitat health-while also addressing growing rat problems.

https://www.earthisland.org/journal/index.php/articles/entry/natural_pest_control_method_taking_flight/

<https://www.sierraclub.org/sierra/2016-4-july-august/green-life/are-barn-owls-nature-s-best-pest-control>

<https://www.ontario.ca/page/barn-owl-recovery-strategy>

https://www.sararegistry.gc.ca/virtual_sara/files/plans/rs_barn_owl_eastern_population_e_proposed.pdf