

BRAMPTON RIVERWALK: Downtown Brampton Flood Protection

Public Information Session
February 25, 2025



What is Riverwalk?



Now



Future

Riverwalk is an initiative to:

- Make downtown Brampton safer from floods
- Revitalize downtown Brampton public areas
- Unlock economic development potential

Riverwalk is made of two parts:

Downtown Brampton Flood Protection Project

- Flood risk reduction along Etobicoke Creek
- AECOM completing the detailed design
- Construction to start in 2025 and finish in 2028

Urban Design Master Plan

- Creates parks and public spaces around the flood protection area
- Subject to funding availability

Why Now?



Future vision. Subject to change.

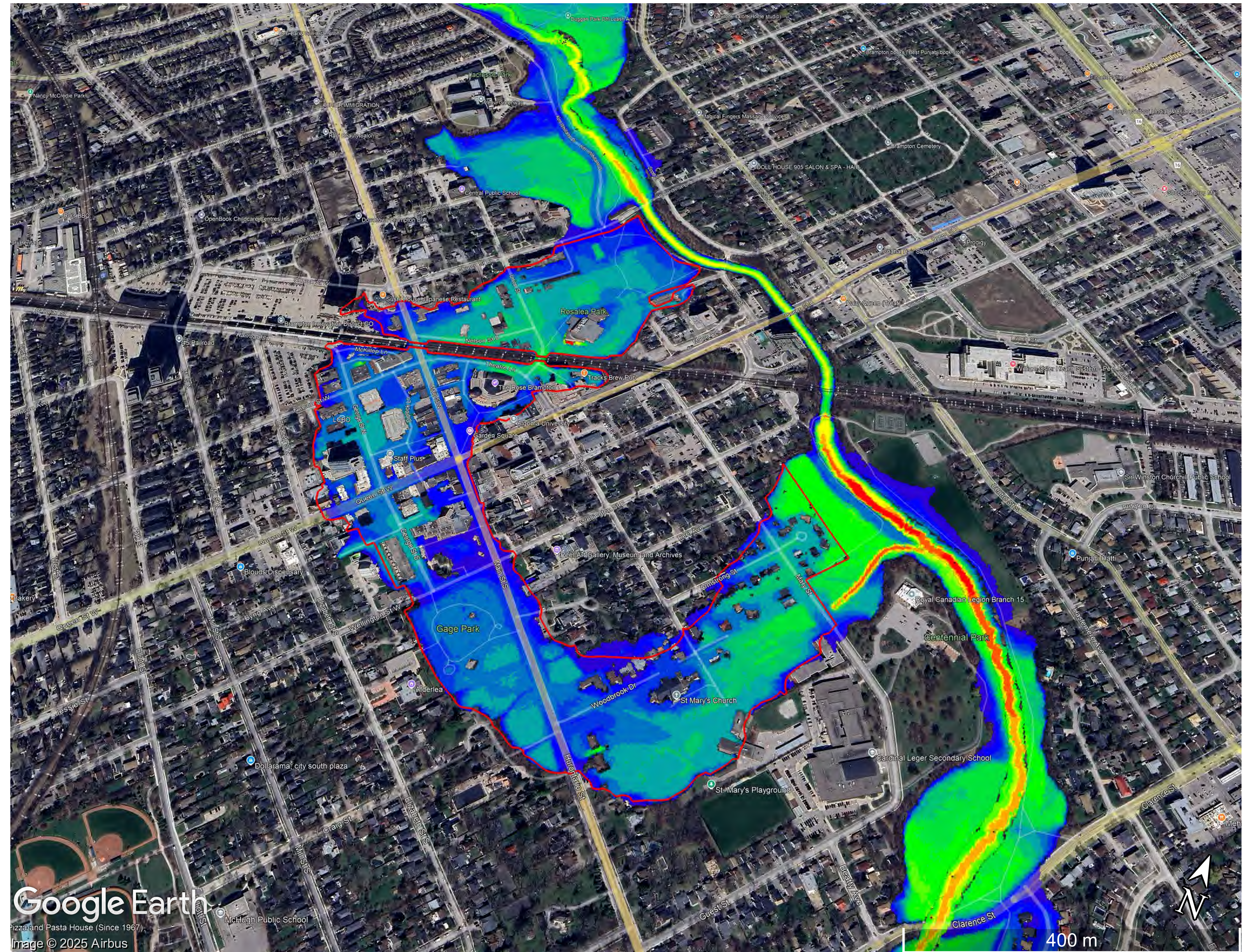
- Downtown Brampton is on the Etobicoke Creek floodplain
- Designated Special Policy Area (SPA) by the Province of Ontario, restricting land development
- The Downtown Brampton Flood Protection Project removes SPA designation and allows for development of downtown Brampton
- The area will have reduced flood risk, more outdoor spaces to enjoy nature, and more opportunities for economic development

Flood Risk & Special Policy Area (SPA)

- Downtown Brampton will flood in an extreme storm
- The current concrete-lined bypass channel protects from most storms
- SPA designation limits development in area



Main and Queen Streets looking north, 1948 flood
(Source: Region of Peel Archives)



Downtown flood vulnerable area

Downtown Brampton Flood Protection: Environmental Assessment (EA)

- Process required to examine the environmental, social, economic, and cultural impacts of an infrastructure project
- Three public information centres were held between 2018 and 2019
- EA completed August 2020 with addendum November 2024



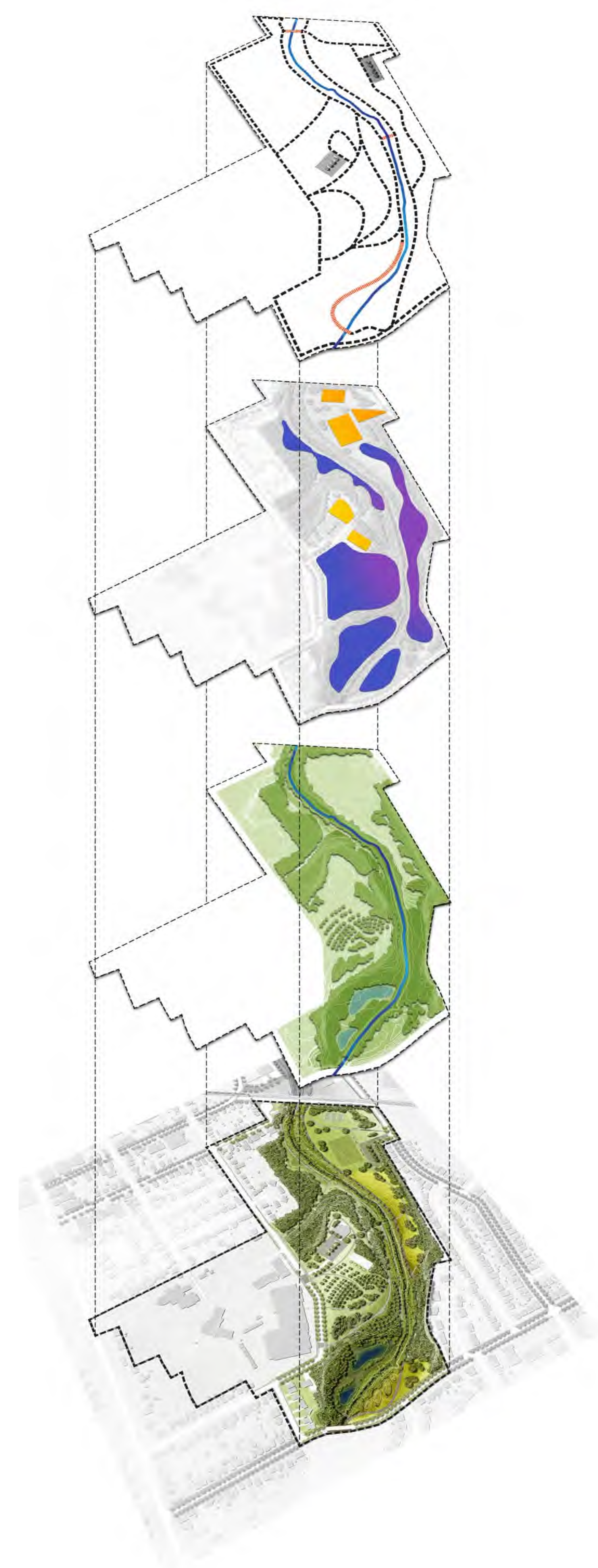
Approved Solution (August 2020)

- Widen and deepen the Etobicoke Creek channel
- Replace bridges at Church, Scott, and Queen streets, as well as the pedestrian bridge near Centennial Park
- Improve the CN Rail Crossing
- Relocate Ken Whillans Drive to the west
- Improvements to Church Street at Etobicoke Creek
- Floodplain regrading

EA Addendum (November 2024)

- Revised design for the CN Rail Crossing
- No impact to grave sites at St. Mary's Heritage Cemetery

Riverwalk Area Urban Design Master Plan



Future vision. Subject to change.

Urban Design Master Plan completed in 2022 and endorsed by Council

Phase 1 implemented as part of Downtown Brampton Flood Projection Project

The design envisions:

- Create an area for residents to enjoy natural areas, built spaces, and amenities along the river valley
- Ensure sustainable transportation with pathways, green spaces, and art
- Build an Eco-Park, natural areas transitioning to parks, with ample programming opportunities
- Together with the mobility and innovation hubs, the Master Plan will be a key revitalization factor that will attract people and businesses to downtown, and will re-define Brampton

Riverwalk Benefits



Future vision. Subject to change.

- Improved public safety due to flood risk reduction, increased climate change resilience, longer-term sustainability, and public health benefits
- Improvements to the environment, ecology, and natural heritage system
- Creation of an extensive open space system with landmark public spaces
- Well-connected, high quality spaces for variety of uses and events
- Economic development opportunities, including job creation, land development, investment, and partnerships
- Redefines Downtown's character and identity, including our heritage, culture, arts, and design excellence

Acknowledgments

Canada

 Infrastructure
Canada

 Infrastructure
Ontario

 Toronto and Region
Conservation
Authority

 **Peel Region**
working with you



AECOM

 **MONTROSE**
ENVIRONMENTAL

 RLB

P2i

dtah

External funding support

- Government of Canada
- Province of Ontario
- Toronto & Region Conservation Authority

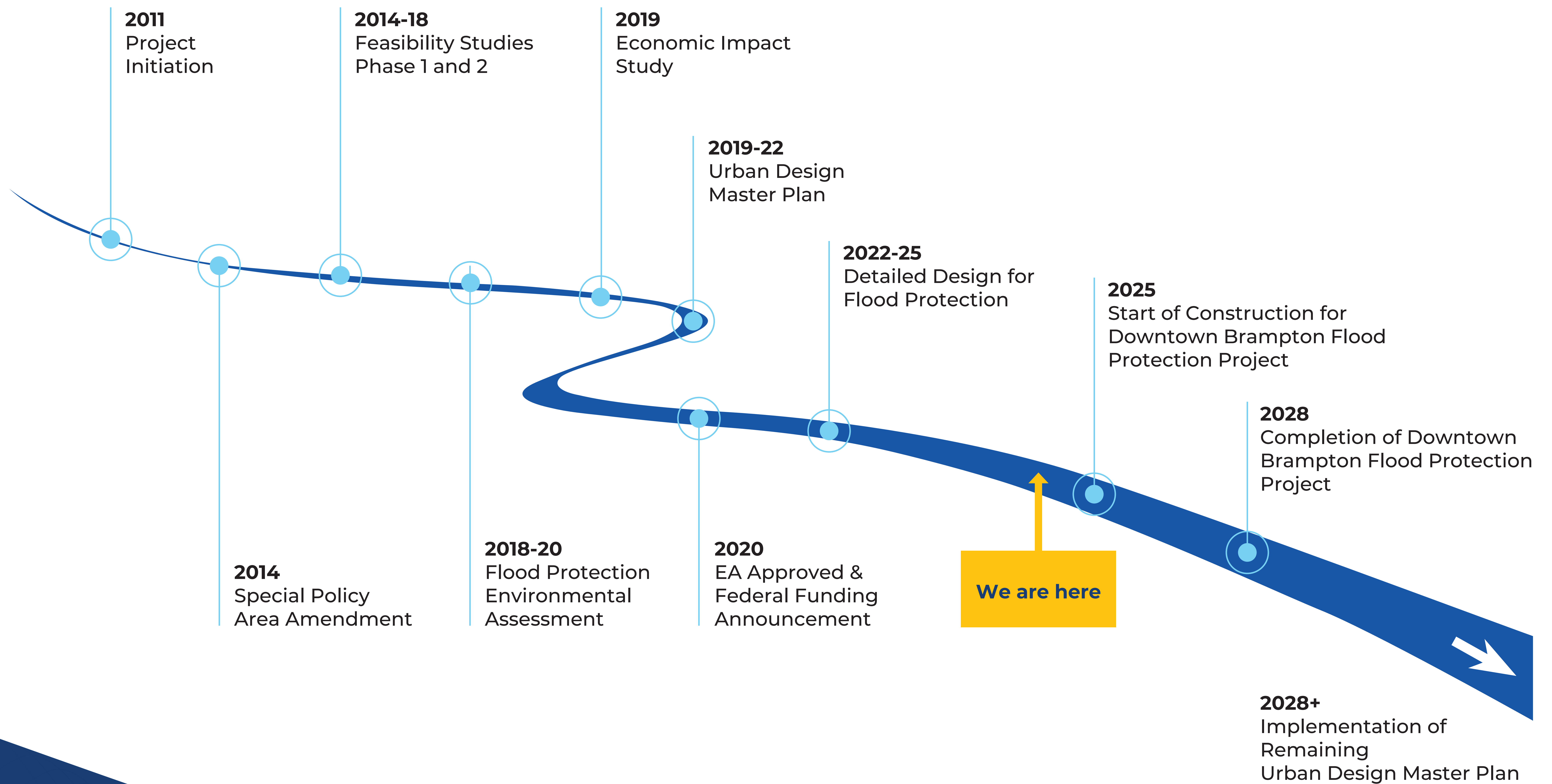
Key collaborators

- Region of Peel
- CN Rail

Technical team

- AECOM - engineering, landscape
- Montrose - water resources engineering
- P2i Strategies/RLB - project management
- DTAH - landscape advisors

Downtown Brampton Flood Protection: Timeline



Downtown Brampton Flood Protection: 60% Design Concept Plan



Design in progress. Subject to change.

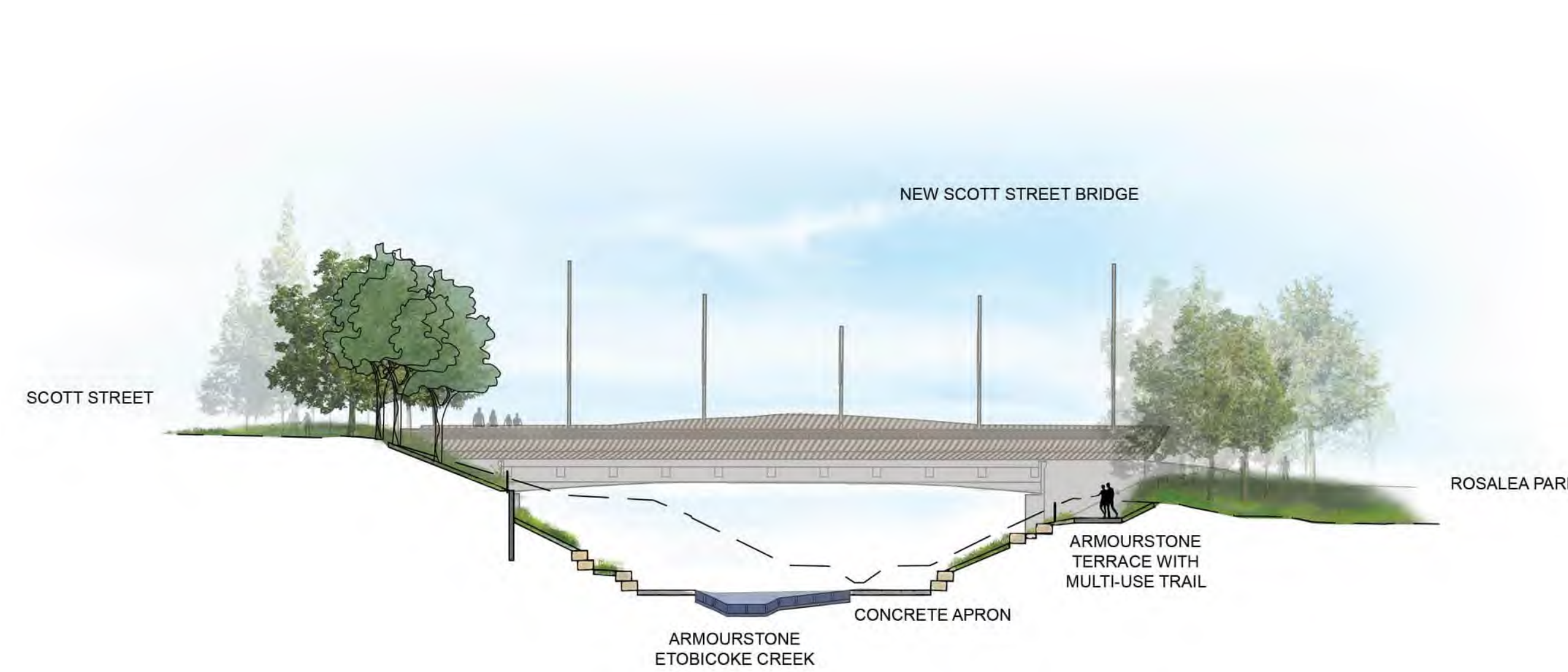
Downtown Brampton Flood Protection: Cross-Sections

Artist renderings of future cross-sections of Etobicoke Creek. The grey dotted line shows current topography, and the rest shows future design.

Design in progress. Subject to change.



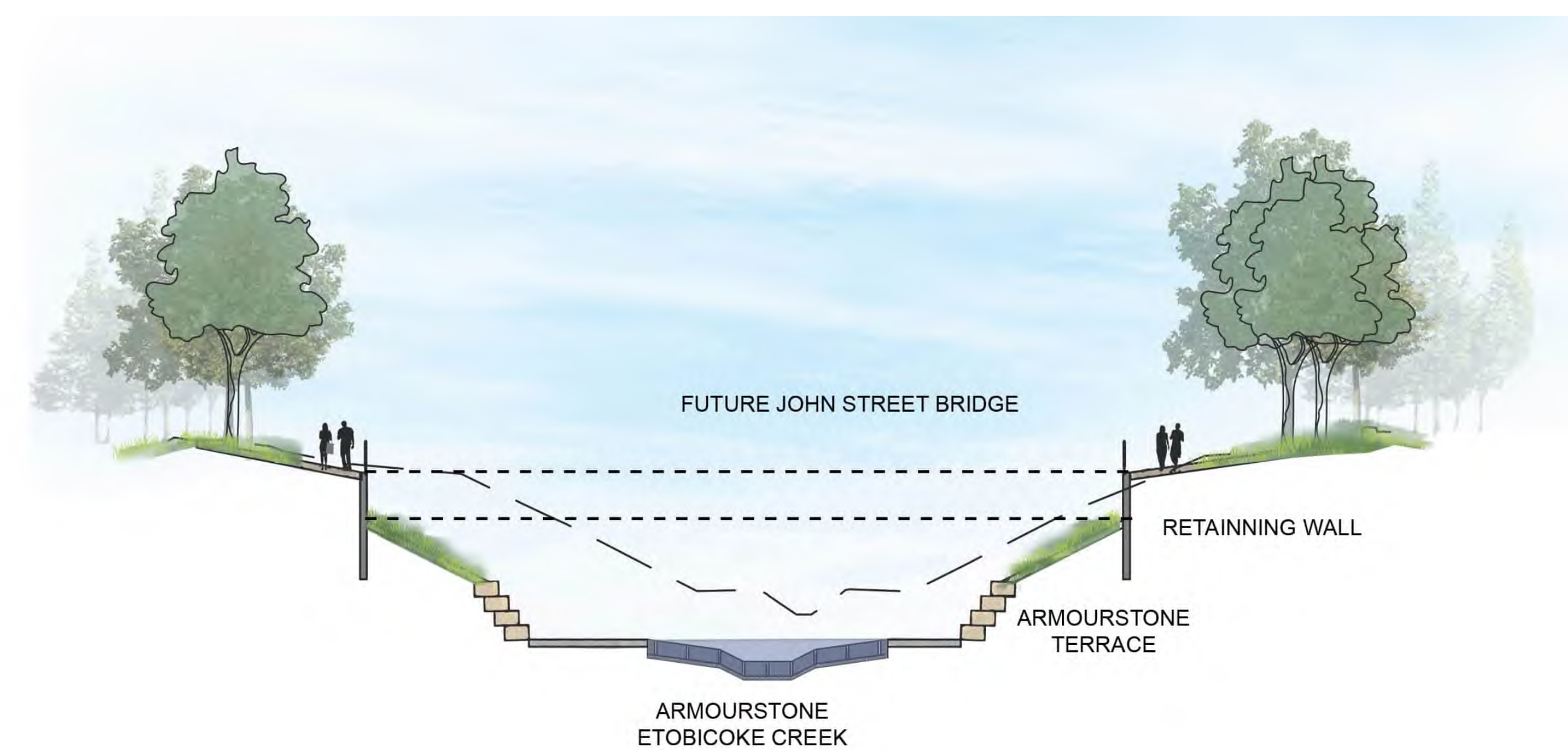
Section A: Looking south to Church Street Bridge



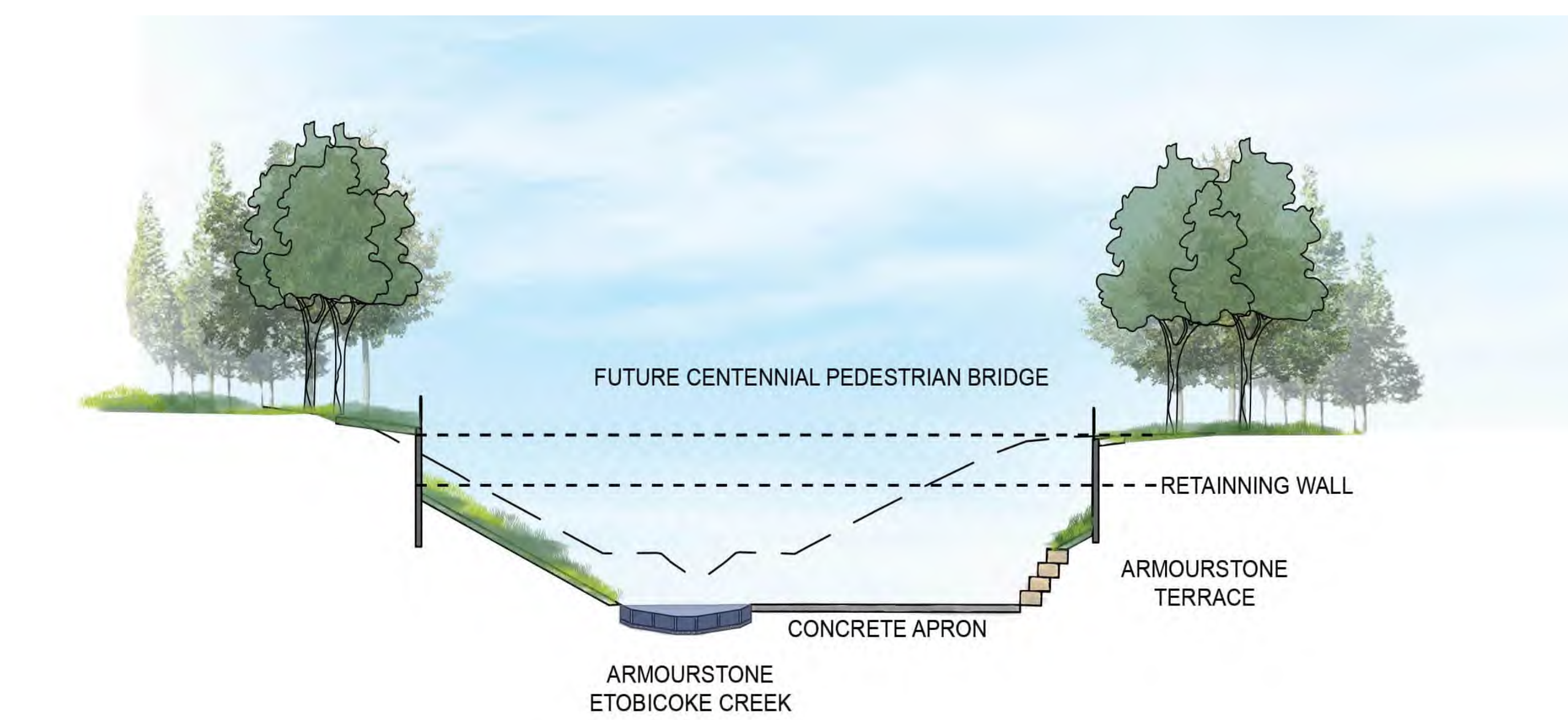
Section B: Looking south to Scott Street Bridge



Section C: Looking south to Queen Street Bridge



Section D: Area south of Queen Street Bridge looking south



Section E: Looking south towards the CN Rail Crossing and Centennial Pedestrian Bridge

Downtown Brampton Flood Protection: Detailed Design



Design in progress. Subject to change.

Downtown Brampton Flood Protection: Detailed Design



Northern Project Area (Church Street / Etobicoke Creek)

Design in progress. Subject to change.

Downtown Brampton Flood Protection: Next Steps

Stay Connected

Provide your name and email to receive project updates

Visit our website anytime or scan the QR code



www.brampton.ca/Riverwalk

- Detailed design to be completed in late Spring 2025
- Planned limited tree removals in March 2025
- Possible early works in Summer 2025
- Construction to begin in Fall 2025
- Downtown Brampton Flood Protection Project expected to be completed in 2028
- Special Policy Area update / reduction and remaining Urban Design Master Plan implementation after 2028

Moving Brampton Forward

Riverwalk will:

- Protect Downtown Brampton from flooding
- Revitalize our downtown and surrounding area
- Generate employment and attract tourism and investment
- Develop a central park system
- Build community, support diversity, and bring people together
- Create a resilient, sustainable, and healthy downtown and city
- Stimulate new approaches, innovation, and change

Things are happening!

Flood Risk Reduction Benefits



17,700+ Persons
76% increase
People living downtown



23,800+ Jobs
62% increase
People working downtown

Riverwalk Construction



Add \$256 million
to Canadian Economy



Creates 2,200
Full-Time Jobs

Downtown Development



3.6 Million sq.ft
Residential/ Retail/
Commerical spaces

GDP

1.4 Billion
GDP impact



12,000 Person
Years of employment

Riverwalk Return on Investment Study, Urban Metrics, 2019