

Mapping Historical Mississauga

Uncovering the city's
changing landscapes online
using historical maps and
digital data

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Overview

- Introductions
 - The City of Mississauga
 - The Scholars Portal GeoPortal
- Datasets
 - Topographic Maps (1909-1977)
 - Aerial Imagery (1944-present)
 - Vector Data (2016-present)
- Case Studies
 - Rural to Urban Transformation
 - The Lakeview Generating Station ie. “Four Sisters”



Mississauga

A case study of post-WWII urban change

- 1951: a loose rural grouping of villages and hamlets known
 - population 33,000
- 1968: becomes the “Town of Mississauga”
 - Population 107,000
- 1974: incorporated as a city in 1974
 - Population 250,000
- 2018
 - Current population of over 700,000
 - The 6th largest city in Canada



The Scholars GeoPortal

The Ontario Council of University Libraries (OCUL) is a consortium of Ontario's 21 university libraries.

Scholars Portal is OCUL's technical infrastructure. It supports, preserves and provides access to various information resources and services.

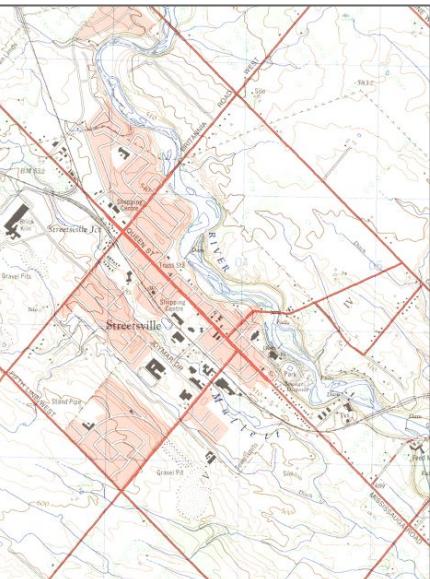
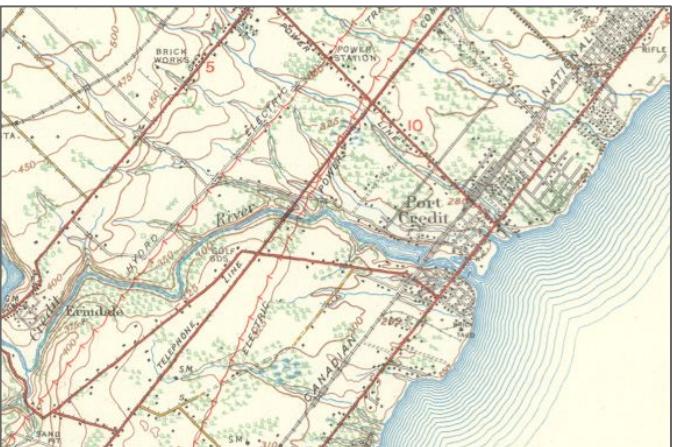
Scholars GeoPortal is a geospatial data discovery tool/portal, that is supported by Scholars Portal.

- ▶ <http://geo.scholarsportal.info/>



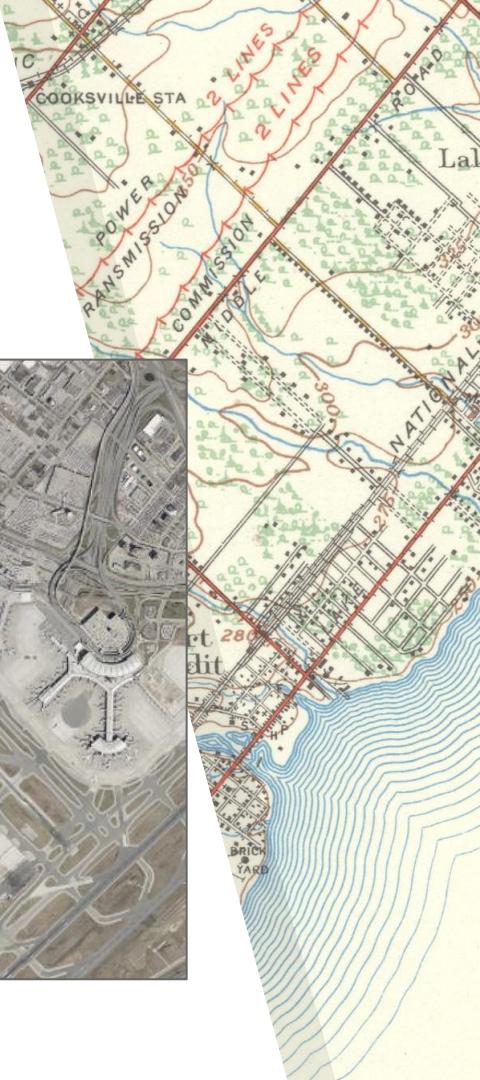
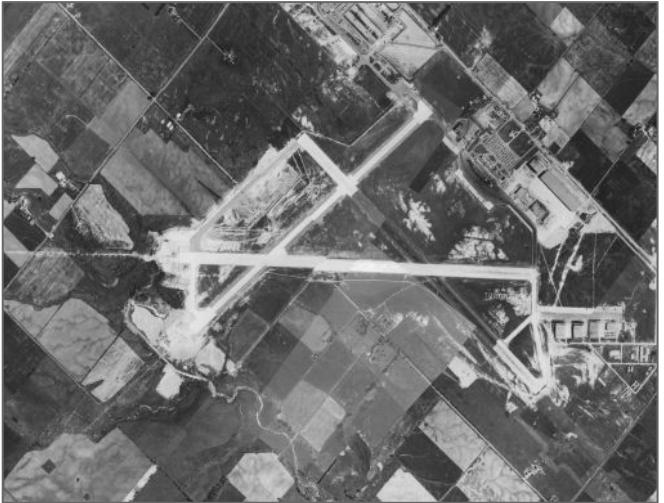
Topographical Maps

- Georeferenced NTS map sheets, 1:63,360 and 1:25,000 series
 - Over 20 sheets, 1909 - 1974



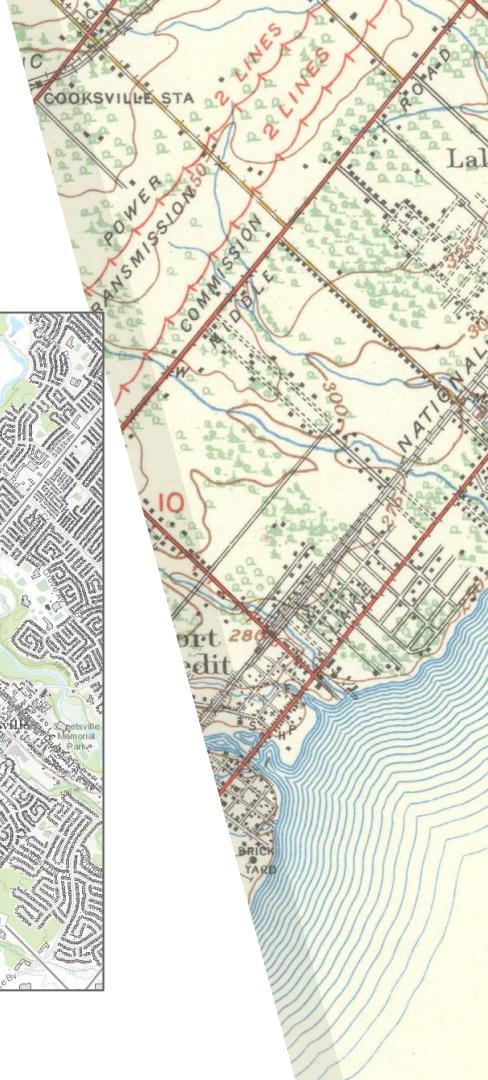
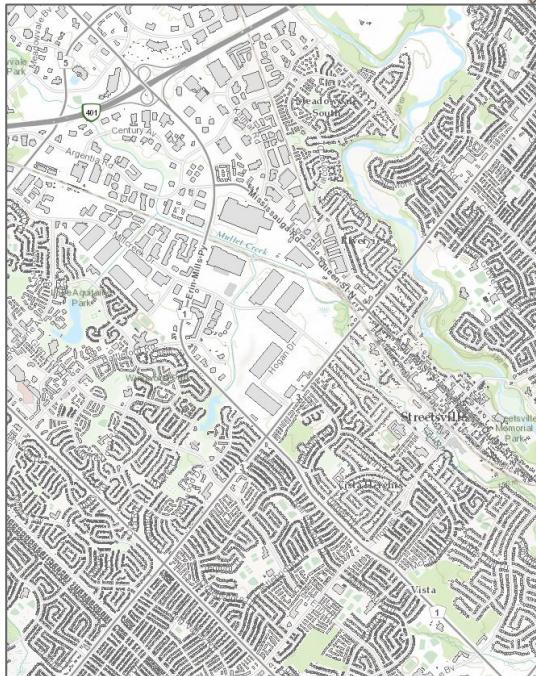
Imagery / Air Photos

- Georeferenced air photos / imagery
 - 1944 - 2017



Vector Data

- Federal, provincial and municipal level
 - Over 200 datasets
 - Examples of data include:
 - Transit lines
 - Utilities
 - Pedestrian trail networks
 - Schools
 - Building age data
 - Contour lines
 - Census data



Case Studies



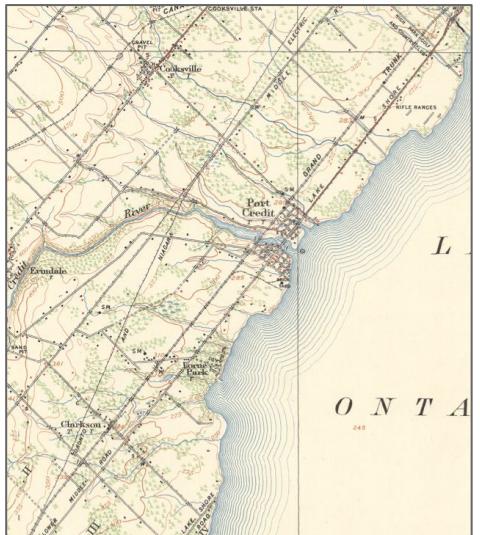
Rural to Urban Transformation

- ▶ The Geoportal allows students to study change with a focus on neighbourhoods and the impacts of new roads, highways, railways, public transit routes, etc.

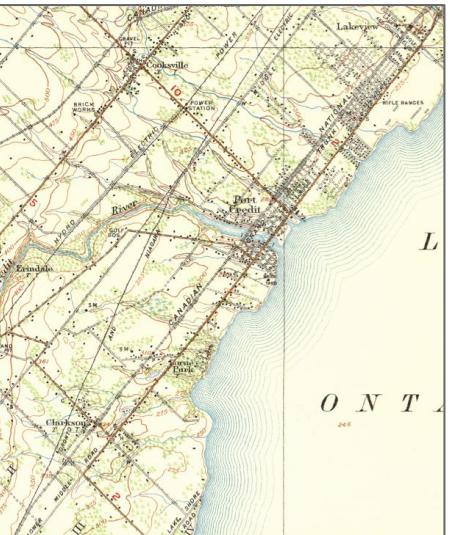


Demo/Layout #1

Highway 2 - Lakeshore
Port Credit is centre of map



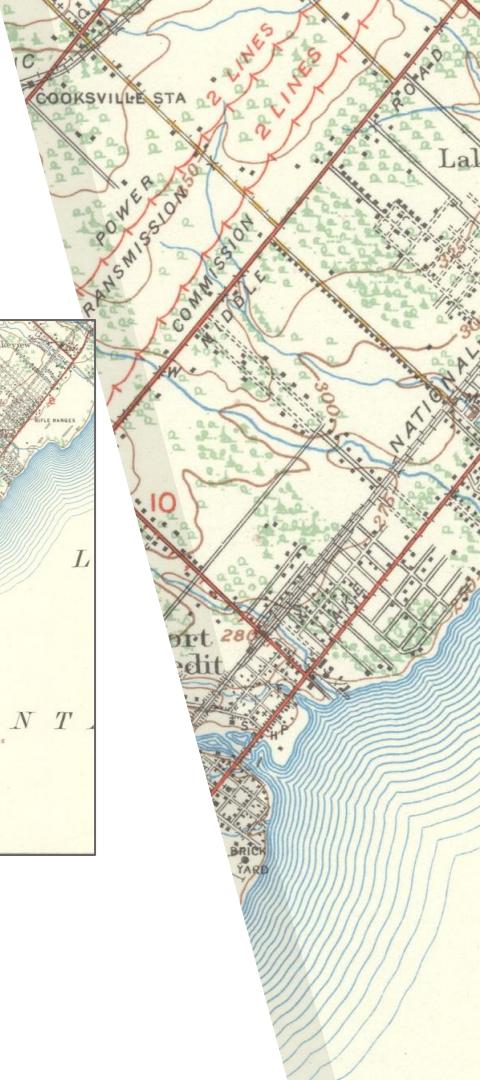
1909



1929

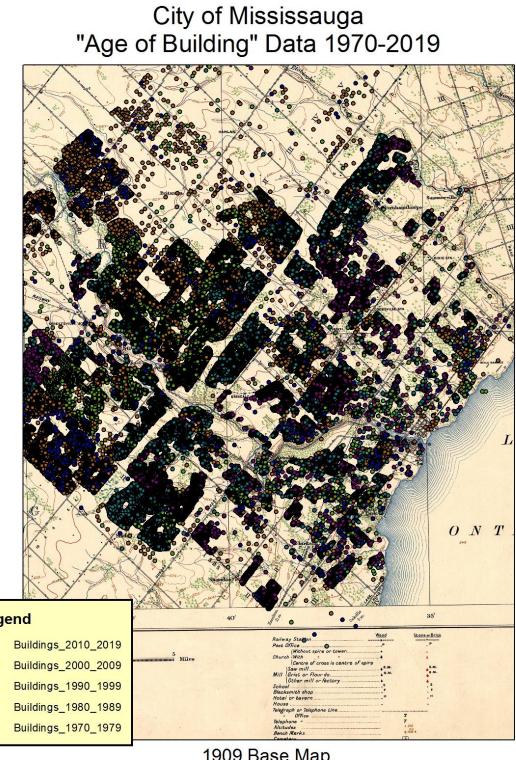


1938

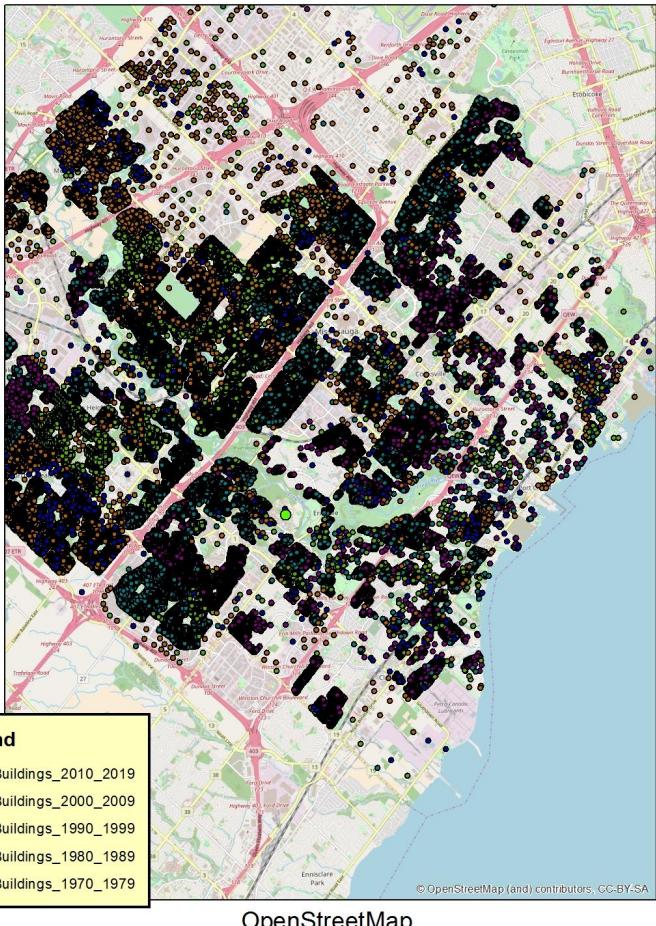


Demo/Layout #2

With Mississauga incorporated as a city in the mid-1970s, planners soon began to plan for new developments, especially homes.

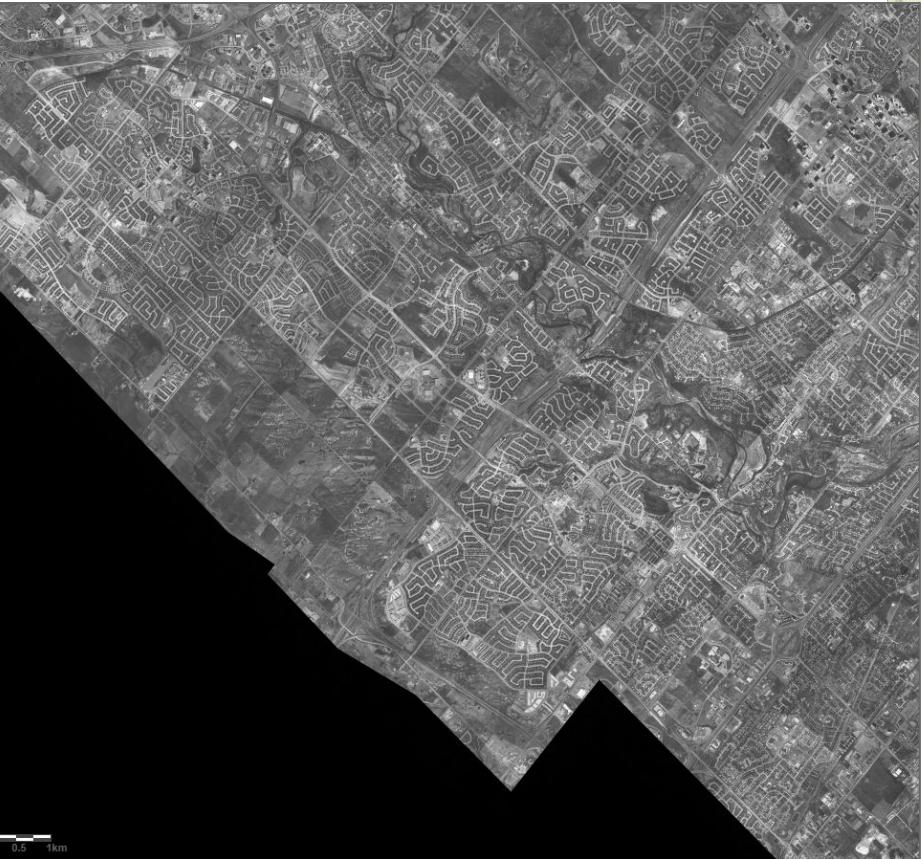


City of Mississauga
"Age of Building" Data 1970-2019



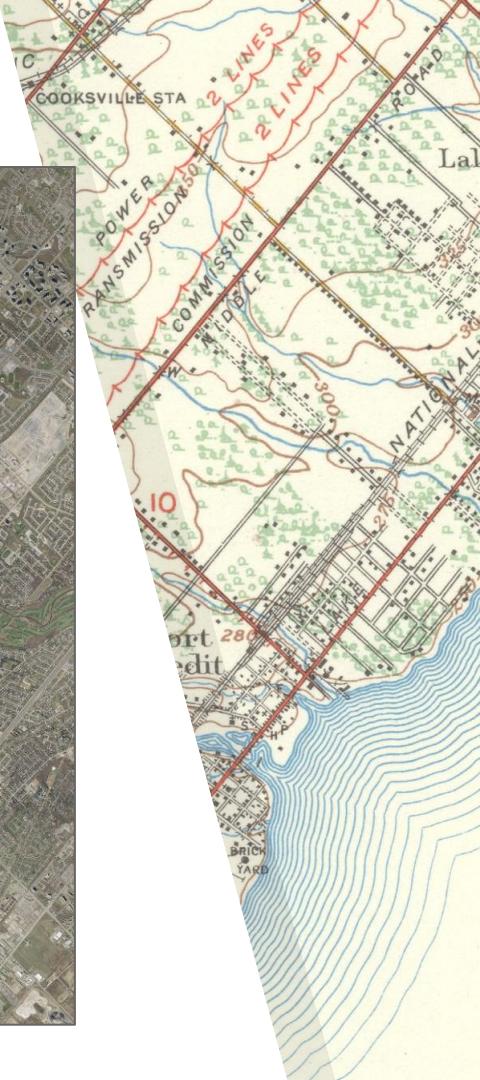
Demo/Layout #2

Development further west with
extension of Highway 403
West Mississauga in 1995
The extension has not yet been
built



Demo/Layout #2

Development further west with
extension of Highway 403
West Mississauga in 1999
The extension is bottom left



Demo/Layout #2

Development further west with extension of Highway 403
West Mississauga in **2005**
Rapid growth over the 5 years after the extension was built



Demo/Layout #2

Development further north after the building of Square One Shopping Centre
Mall constructed in 1973. Image as of 1969



Demo/Layout #2

Development further north after building of Square One Shopping Centre

Mall constructed in 1973. Image as of 1975 (mall is bottom right)



Demo/Layout #2

Development further north after building of Square One Shopping Centre

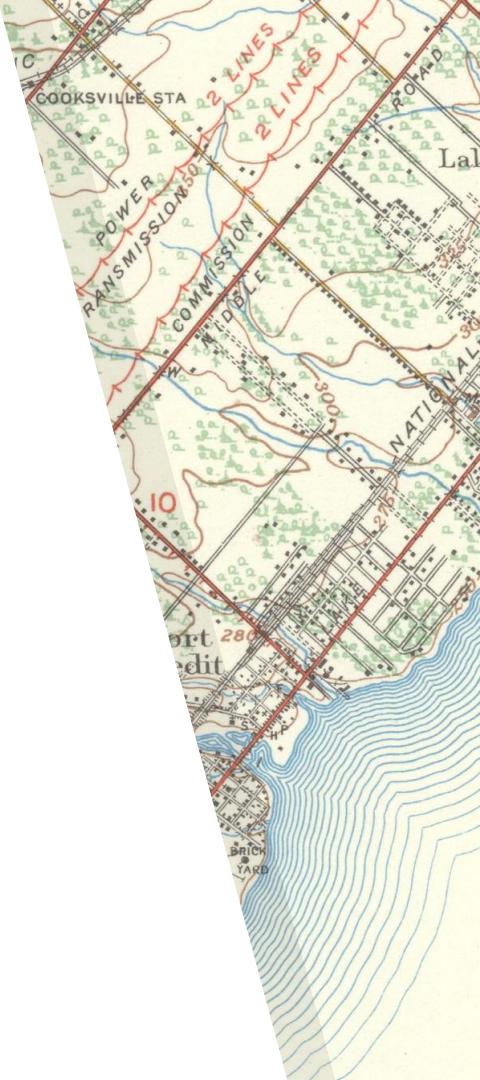
Mall constructed in 1973. Image as of 1985 (mall is bottom right)



Demo/Layout #2

Development further north after building of Square One Shopping Centre

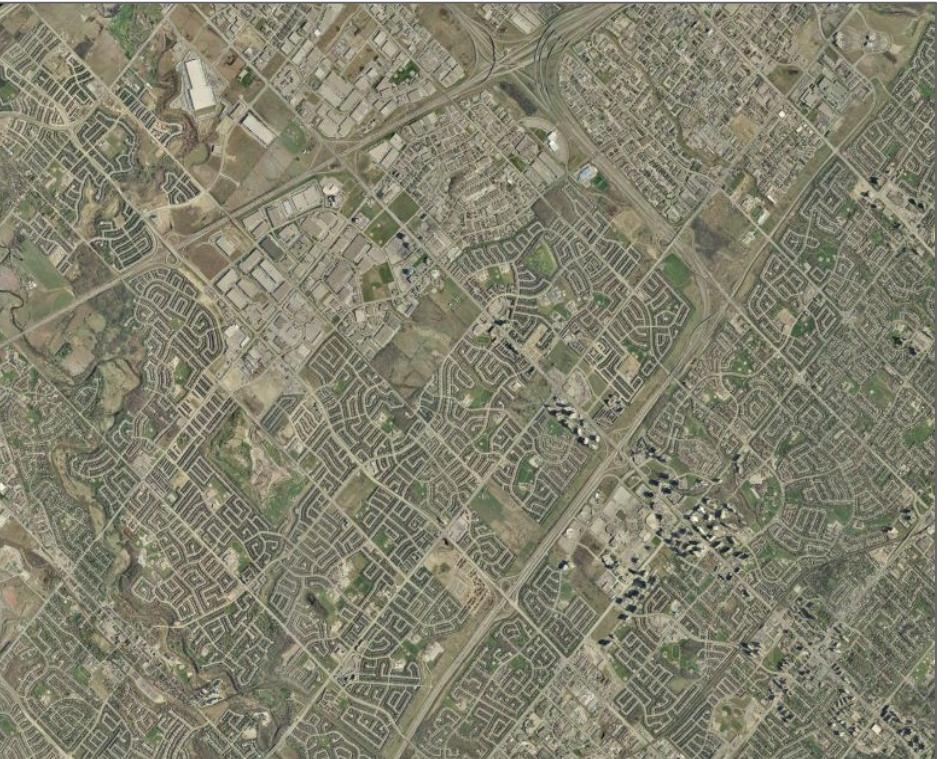
Mall constructed in 1973. Image as of 1995 (mall is bottom right)



Demo/Layout #2

Development further north after building of Square One Shopping Centre

Mall constructed in 1973. Image as of 2005 (mall is bottom right)



The Lakeview Generation Station ie. “Four Sisters”

- Opened June 20th, 1962
- Was the largest coal-fired station in the world
- 143 metre high stacks, could be seen for miles
- Closed April 30, 2005
- Land is now slated for redevelopment as a residential neighbourhood, with community parks and retail centres
- Had a **huge** impact on the character of the surrounding landscape and views



Image courtesy: "Lakeview Generating Station" [Wikipedia](https://en.wikipedia.org/wiki/Lakeview_Generating_Station).
https://en.wikipedia.org/wiki/Lakeview_Generating_Station

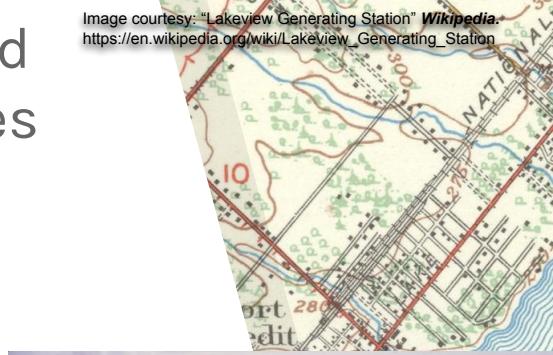
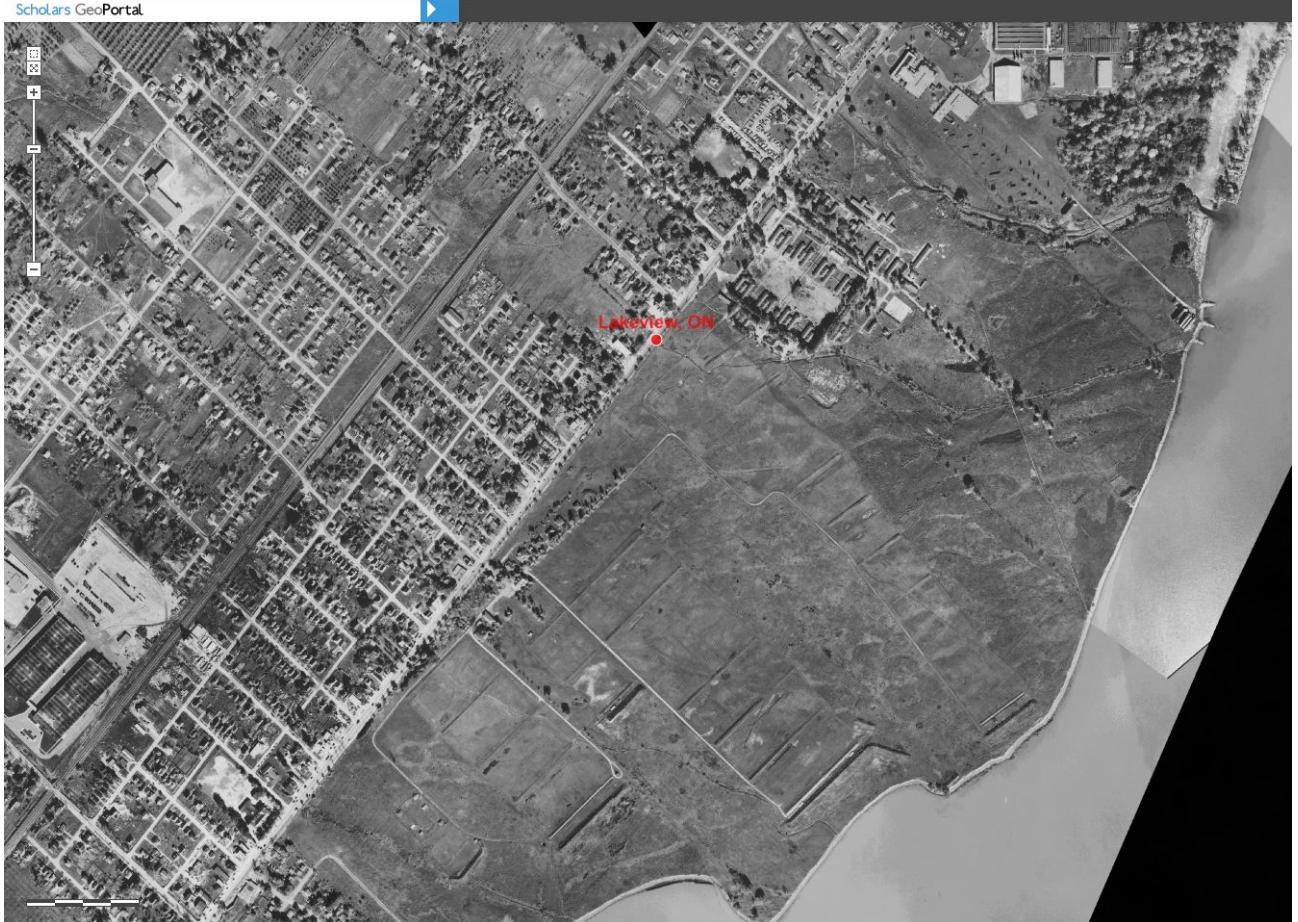


Image courtesy: "4 Sisters' and their Demolition!" [Insauga](https://www.insauga.com/the-4-sisters-and-their-demolition). March 27, 2016. <https://www.insauga.com/the-4-sisters-and-their-demolition>

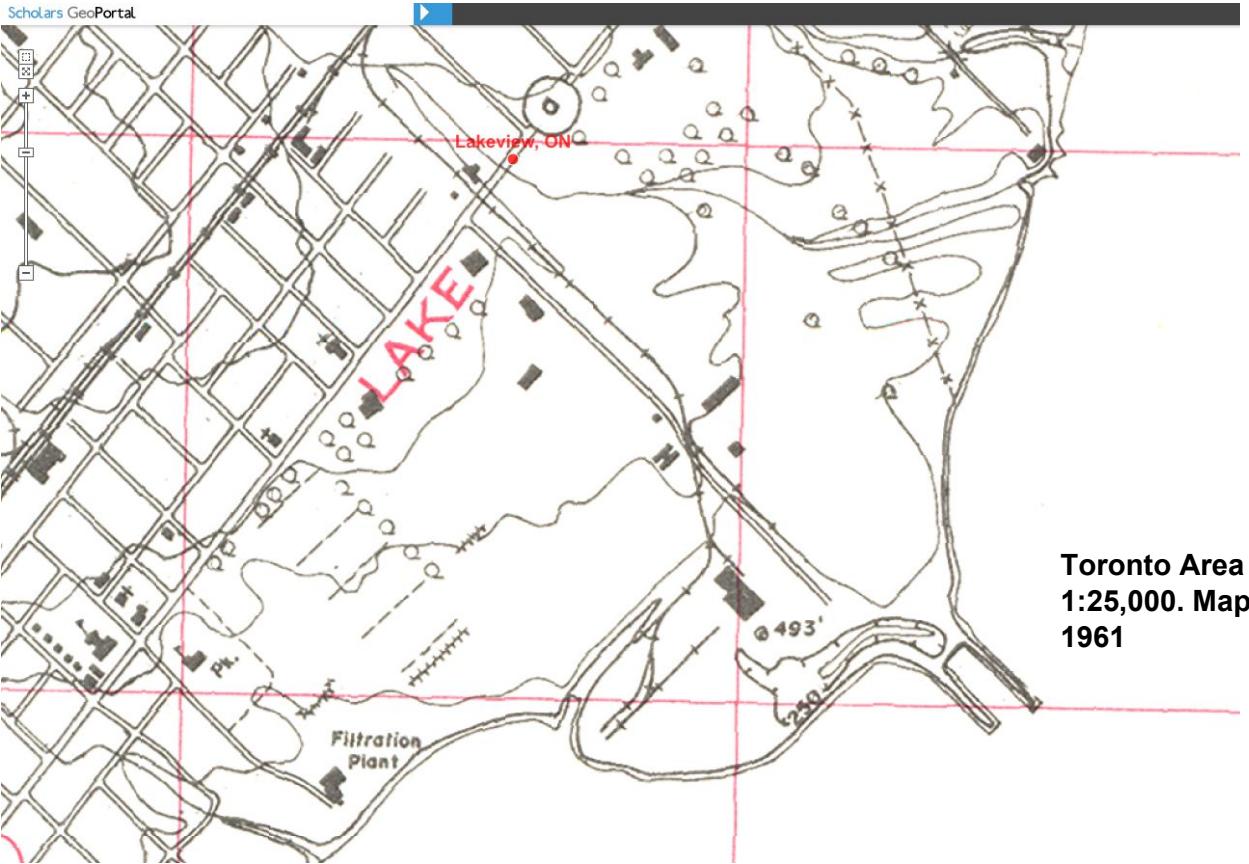
Demo/Layout #1

Scholars GeoPortal



1954

Demo/Layout #1



Toronto Area / Port Credit, Ontario.
1:25,000. Map Sheet 030M12A, ed. 1,
1961

1961



Demo/Layout #1

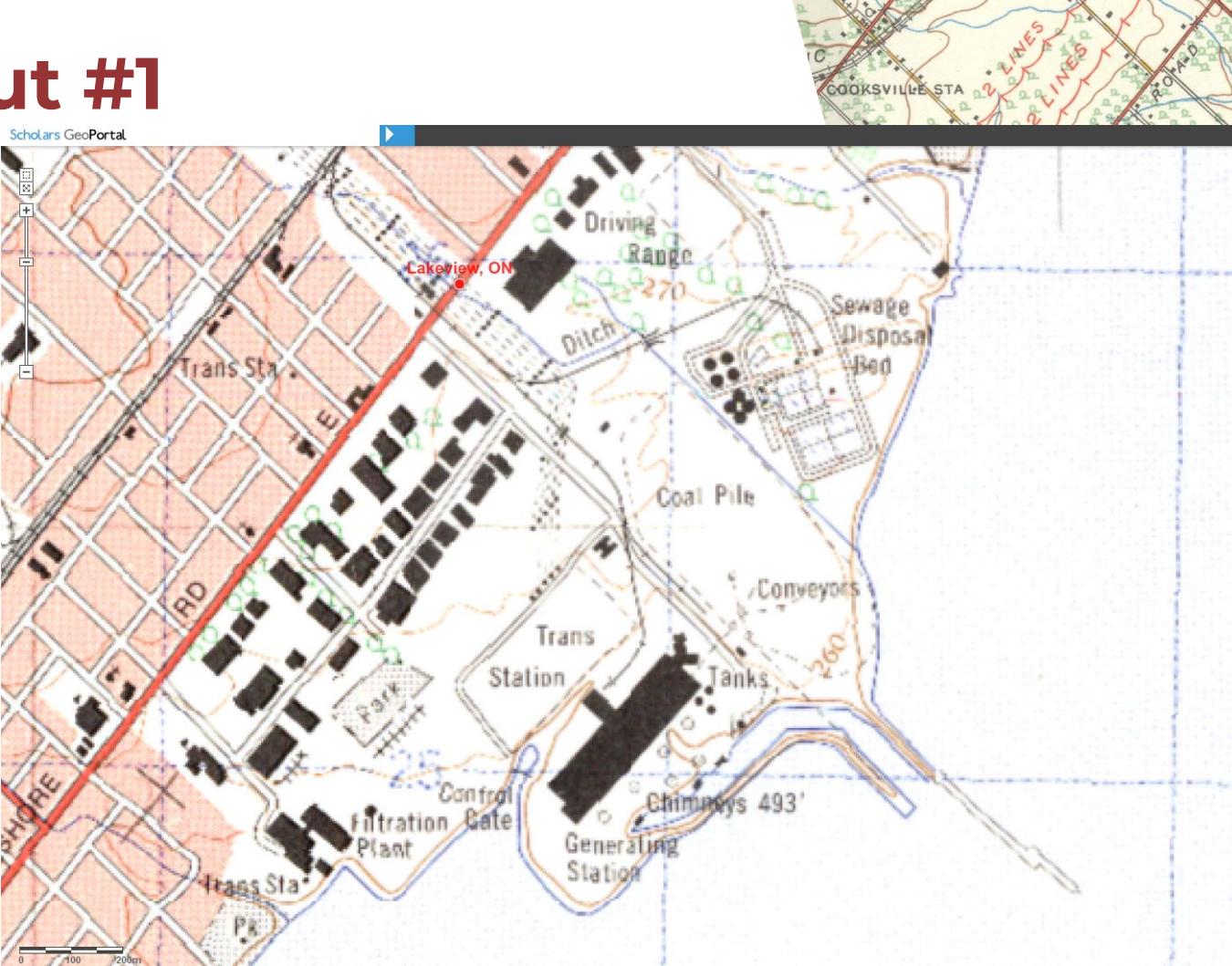
1966

Scholars GeoPortal



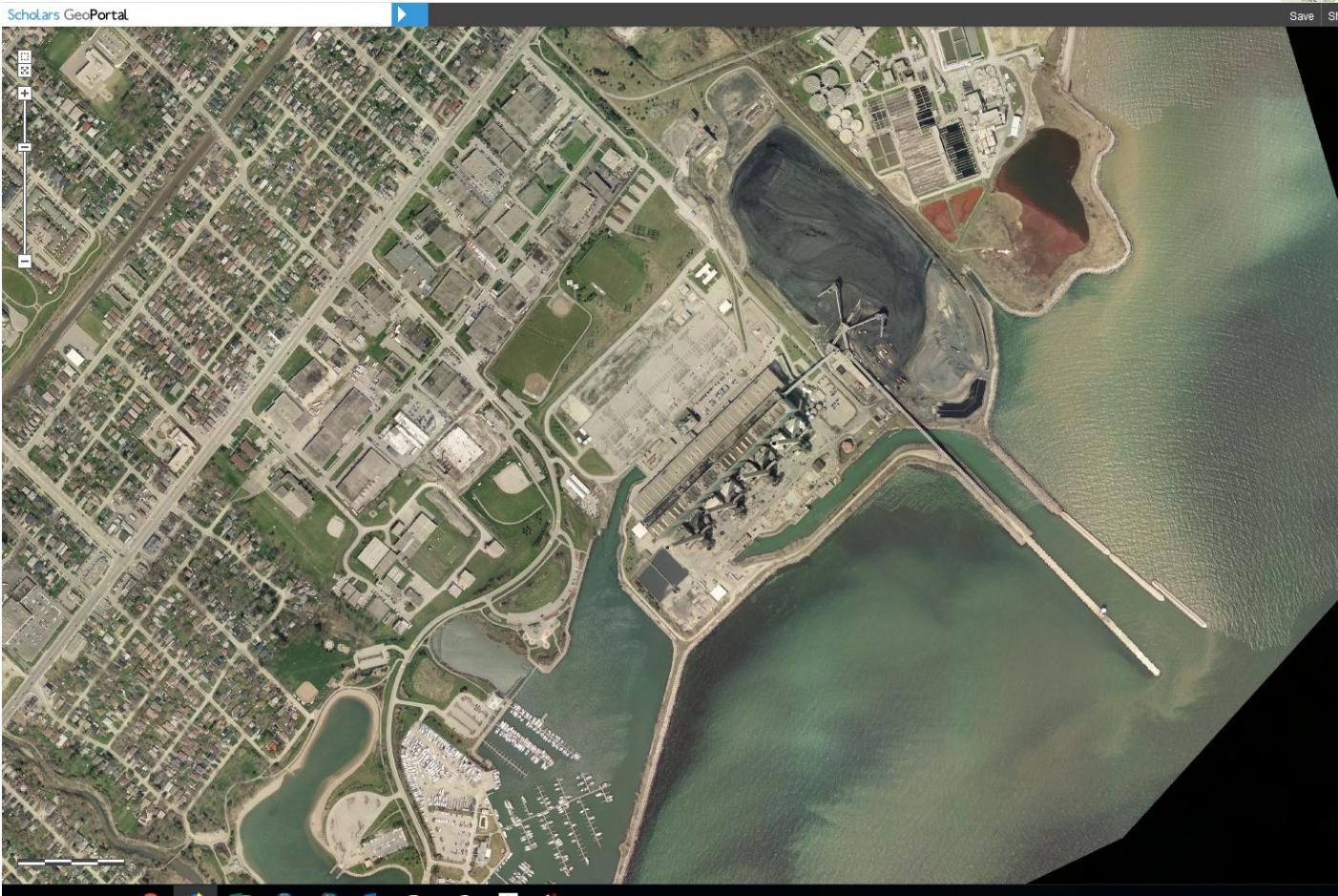
Demo/Layout #1

Port Credit, Ontario. 1:25,000.
Map Sheet 030M12A &030M11D,
ed. 3, 1974



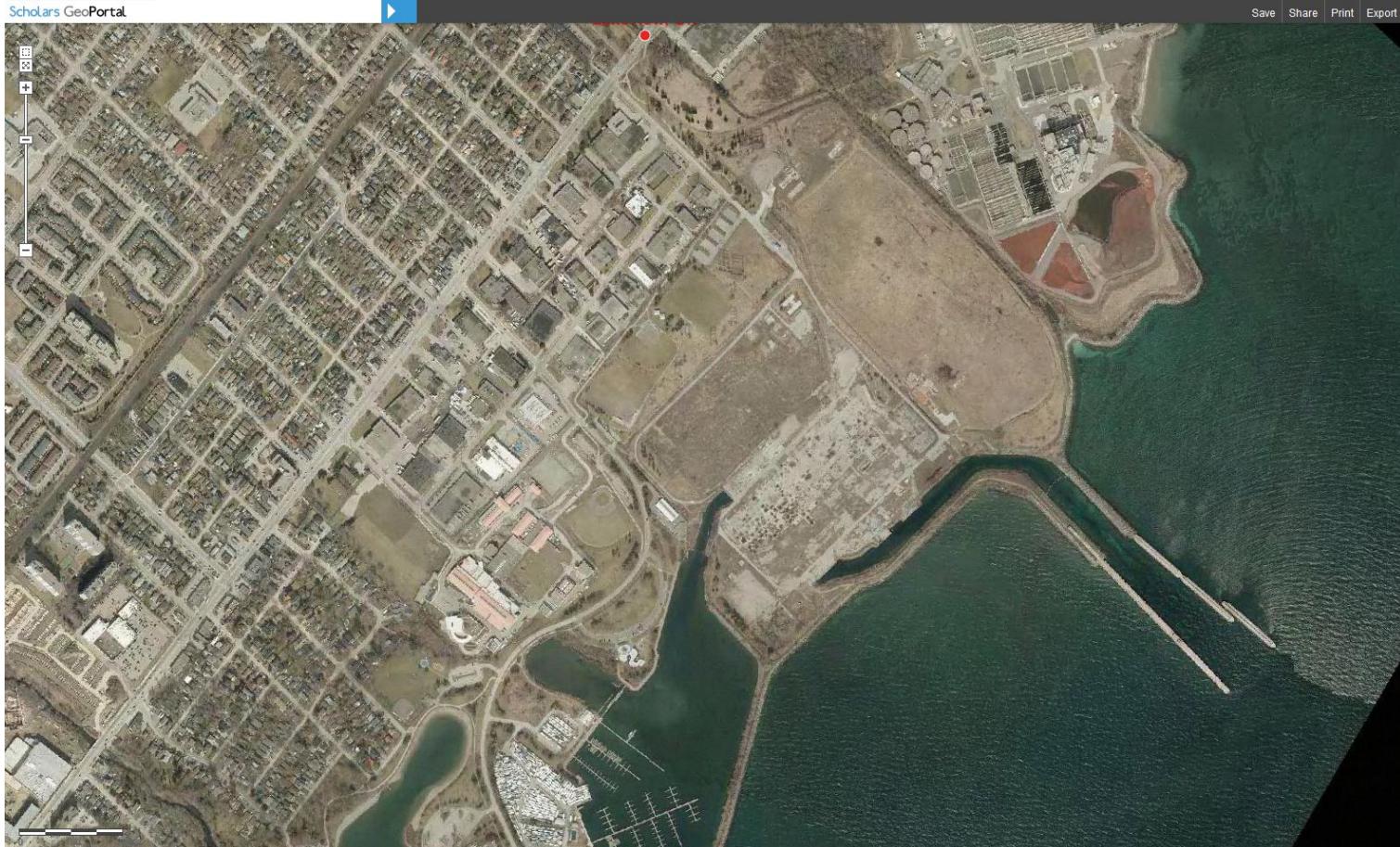
Demo/Layout #2

2004



Demo/Layout #2

2016



Postscript....

After years of remediation and planning debates, Lakeview was sold in March 2018 by the province to developers for a mixed use site.



Renderings from **Insauga**, September 29, 2016.
<https://www.insauga.com/massive-waterfront-development-is-underway-in-mississauga-near-port-credit>



Thank you!

