



# PROPOSED MILTON QUARRY EAST EXTENSION

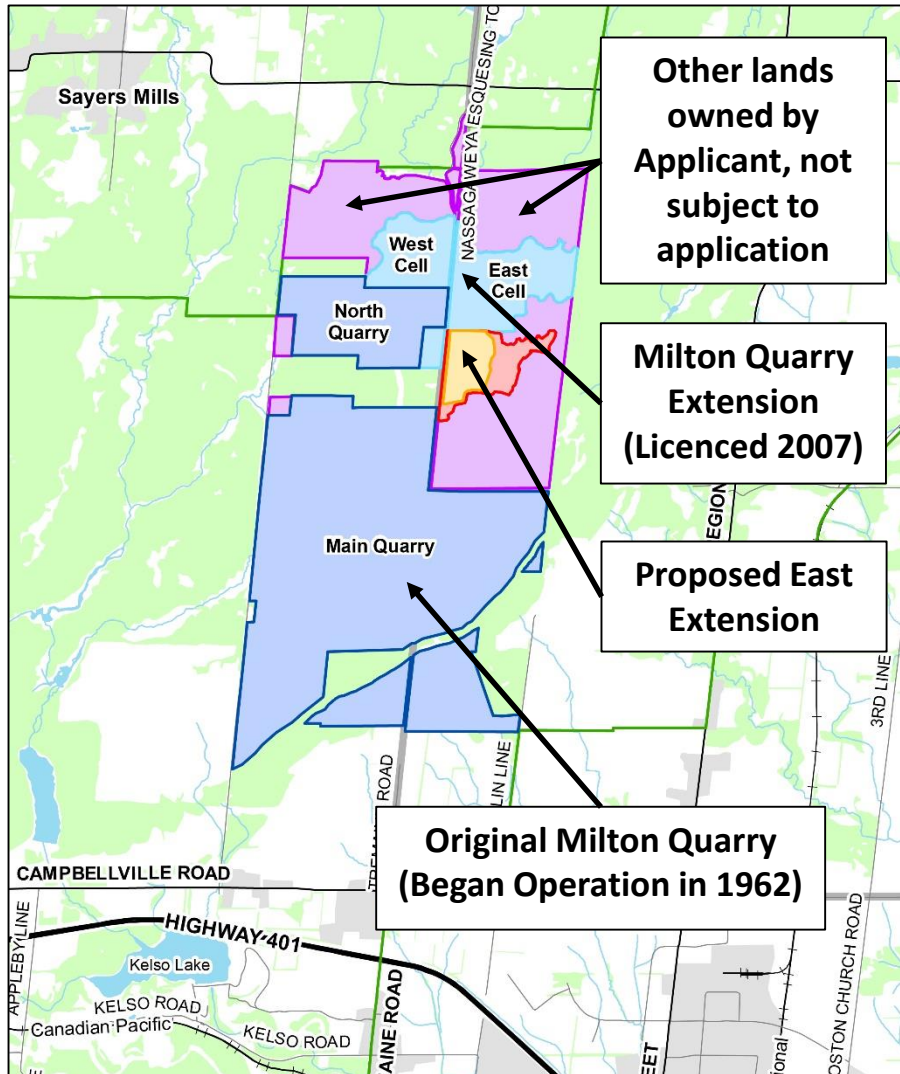
Town of Halton Hills OPA Public Meeting



Monday, February 13, 2023

Brian Zeman, BES, MCIP, RPP

# History of the Milton Quarry



## Milton Quarry

- Licence area = 467.7 ha
- Extraction Area = 381.5 ha

## Milton Quarry Extension

- Licence area = 84.5 ha
- Extraction Area = 70.6 ha

## Milton Quarry East Extension

- Licence area = 30.2 ha
- Extraction Area = 15.8 ha

# Milton Quarry – Close to Depletion

- Using current extraction rates this site will be depleted by 2025.
- Provincially significant aggregate resource suitable for the production of a wide range of construction products and for high performance concrete.
- One of the closest to market sources of high quality crushed stone within the province's highest demand area for aggregate resources and specialized construction requirements.

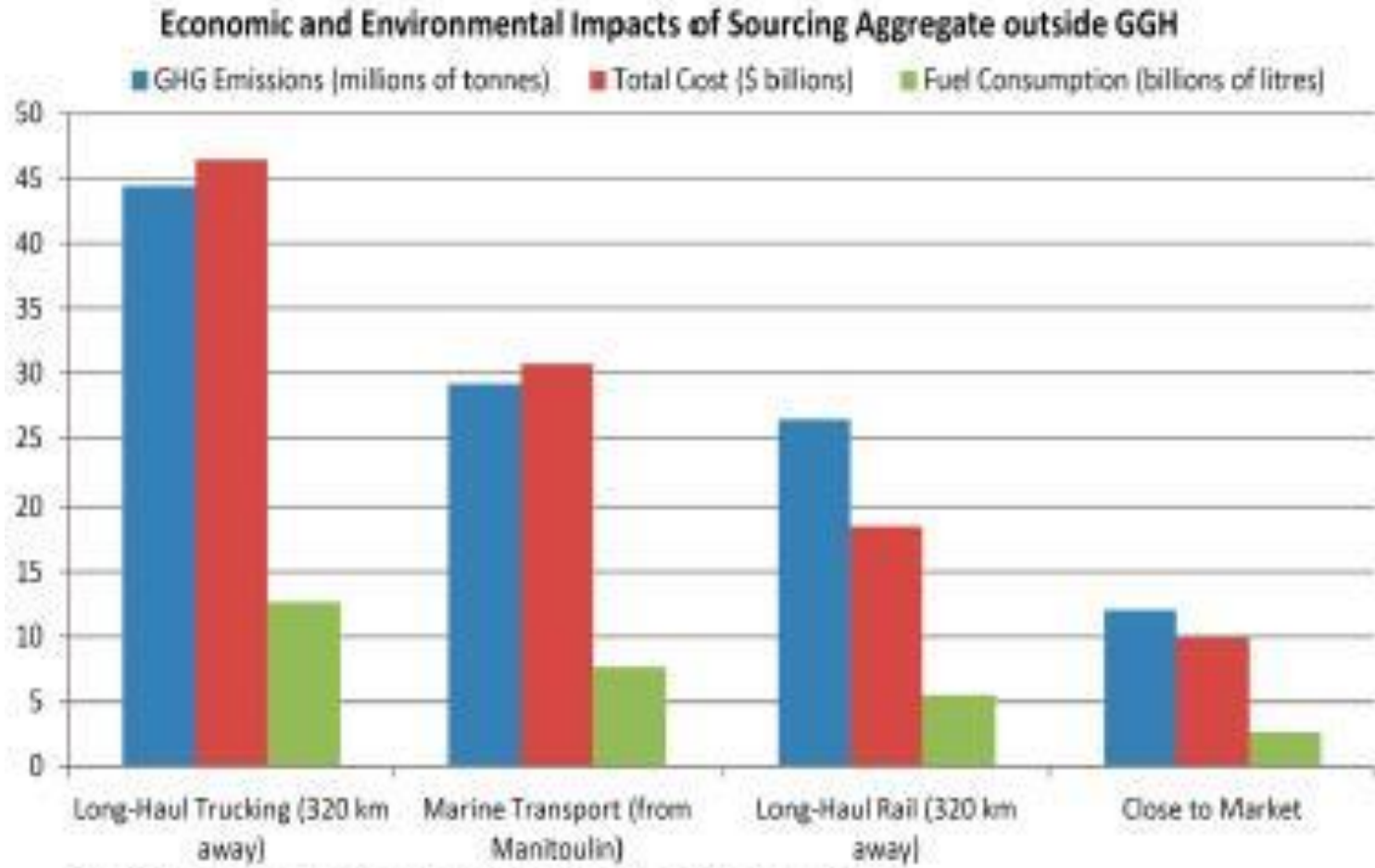


# Milton Quarry - Close to Market



- GTA utilizes approximately 65 million tonnes of aggregate per year - approximately one third of Ontario's total aggregate production.
- The Milton Quarry supplies limestone to all local Dufferin concrete plants.

# Milton Quarry - Close to Market



Based on supplying 35 million tonnes of aggregate annually over 30 years to GGH.

Source: State of the Aggregate Resource In Ontario Study, MNRF

# Milton Quarry Rehabilitation



- 150,000 trees planted
- 155 species of birds (61 breeding)
- 6 species of breeding amphibians
- 340 species of vascular plants
- 34 species of butterflies
- 30 species of dragonflies & damselflies
- Other flora and fauna

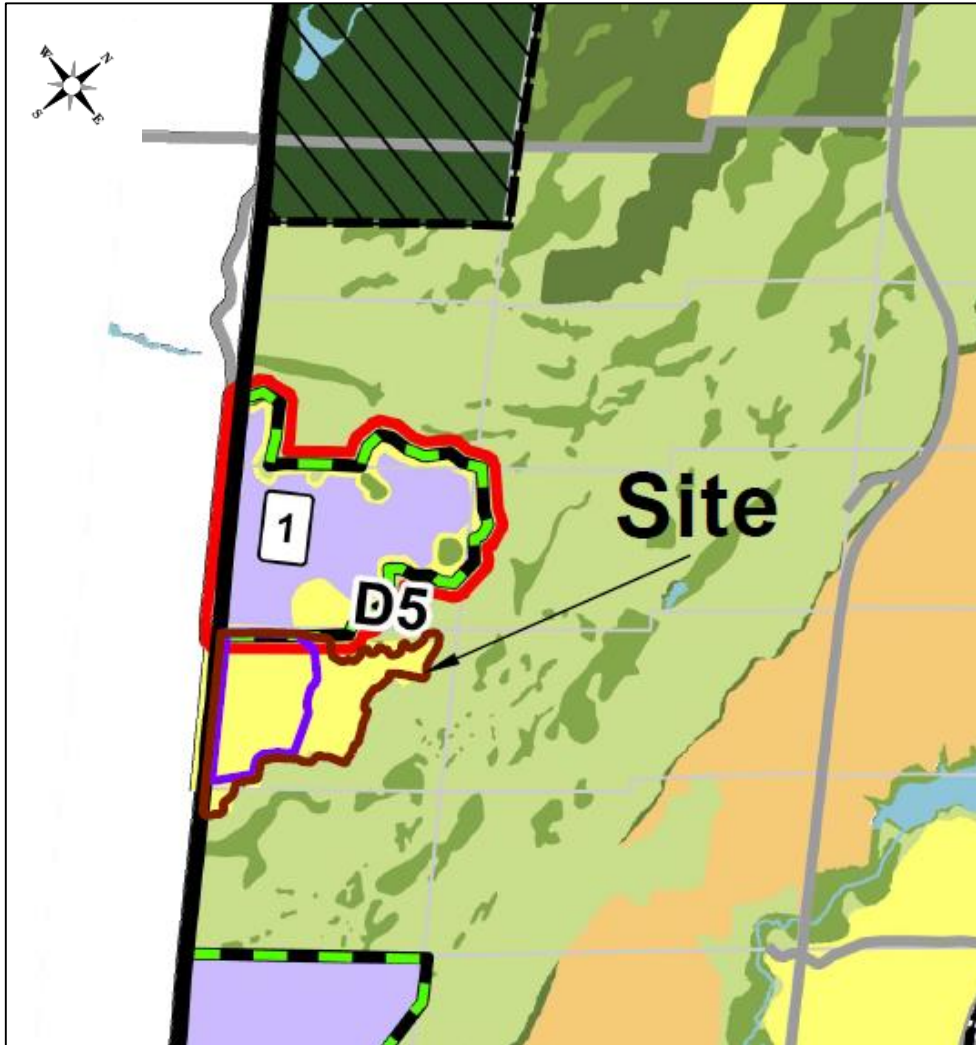


# MQEE Required Applications & Status

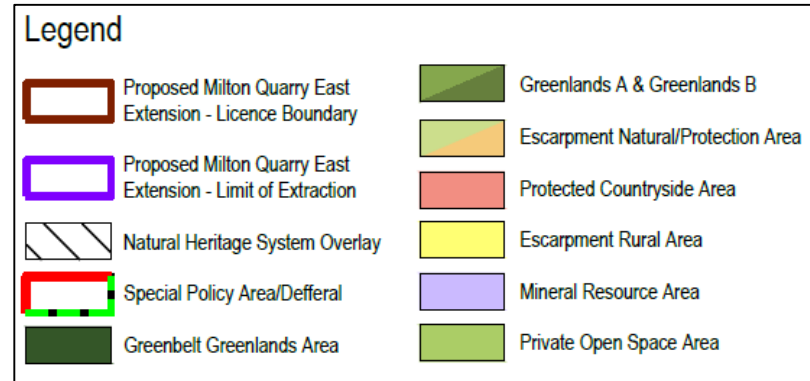
- Applications under Planning Act, Niagara Escarpment Planning & Development Act and Aggregate Resources Act (ARA).
- Currently undergoing review by Joint Agency Review Team (JART).
- Dufferin working on addressing comments received.
- Dufferin is hopeful that all technical comments are addressed by April 2023, allowing the agencies to move forward with recommendation reports.



# Town of Halton Hills Official Plan

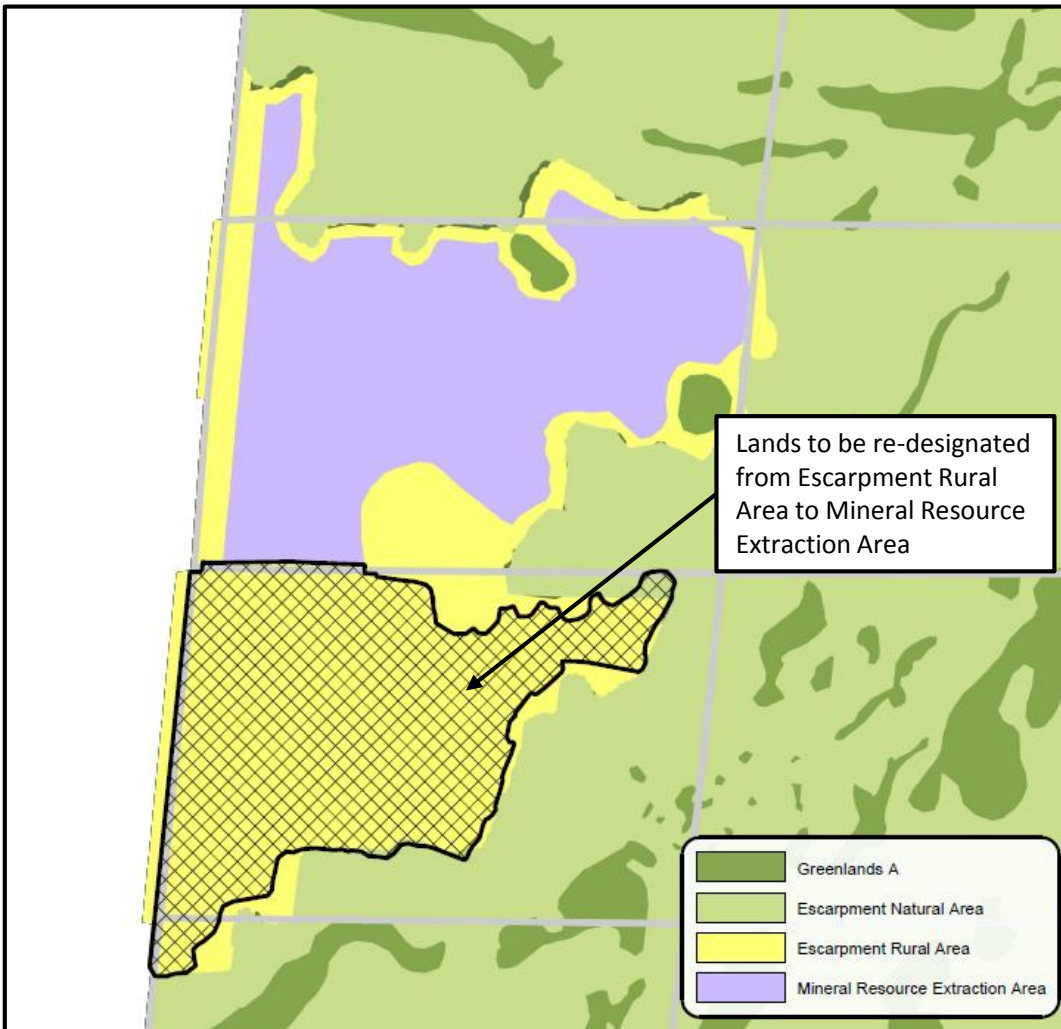


- Escarpment Rural Area has objective to:  
*“To provide for the consideration of new Mineral Resource Extraction Areas.”*

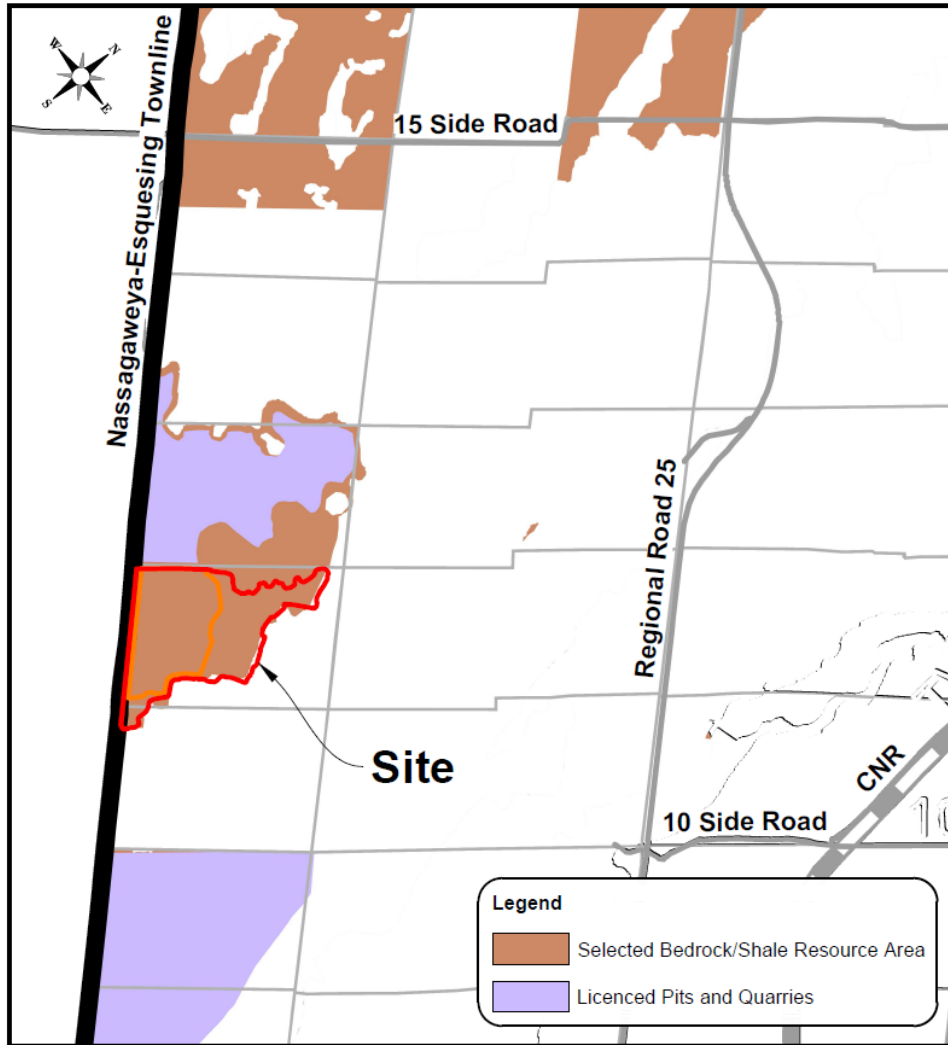


# Proposed Official Plan Amendment

- Re-designate to 'Mineral Resource Area' to permit extraction

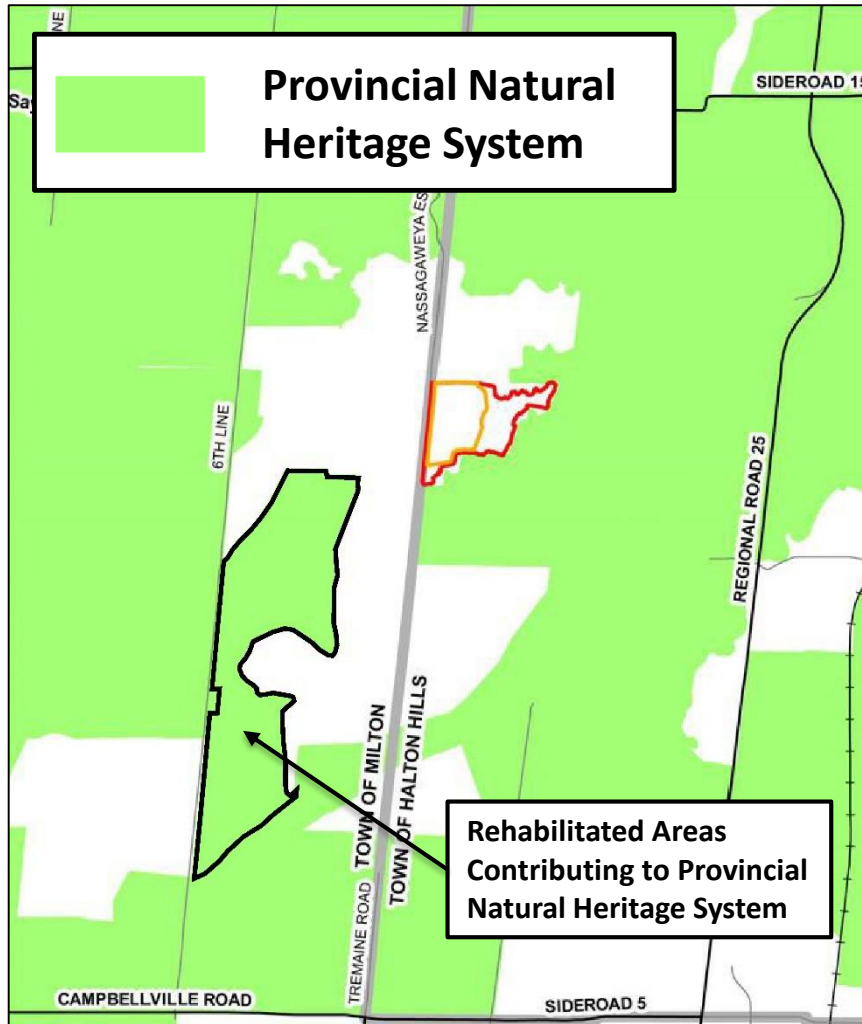


# Identified Resource Area



- Mapped by the Province, Region and Town Official Plans
- Identified mineral aggregate resource area protected for long-term use
- Extension of an existing operation

# Not Within Provincial Natural Heritage System



- Existing Quarry rehabilitation is already contributing to the Provincial Natural Heritage System.
- Proposed Extension is located outside of the Provincial Natural Heritage System.

# Environmental Protection

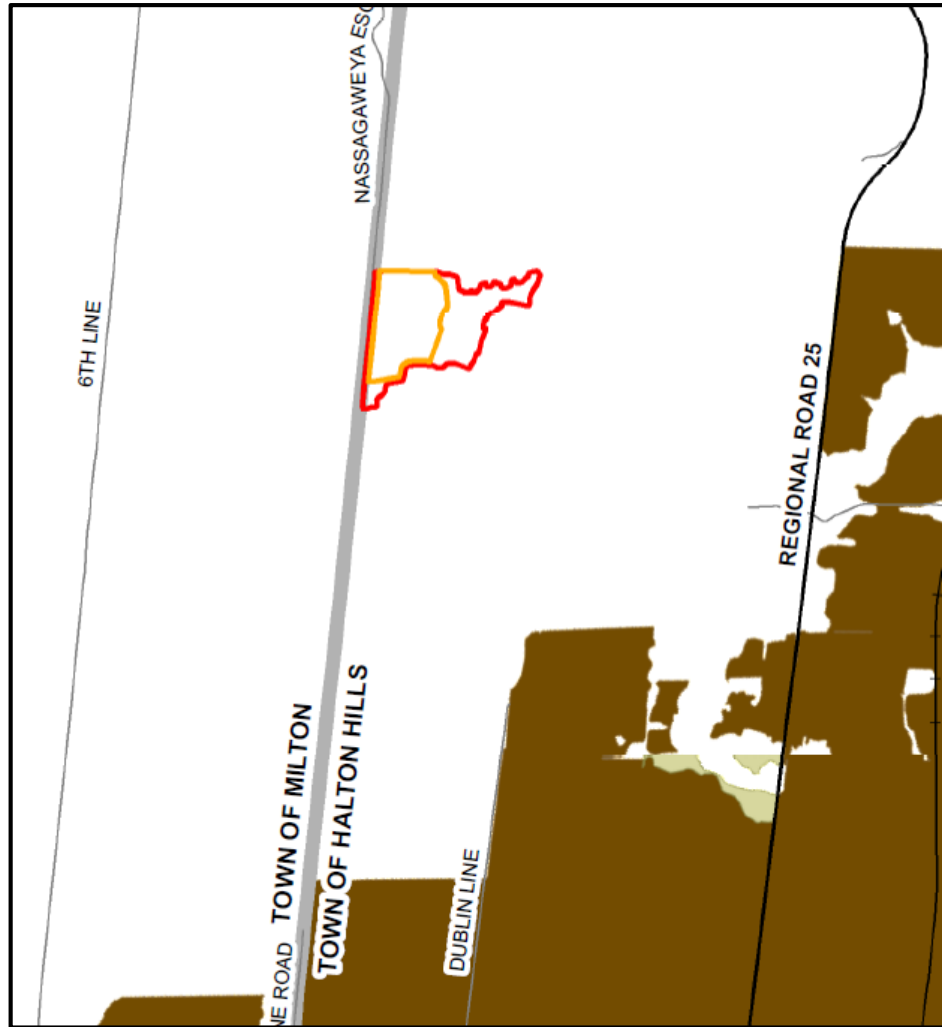


- The existing Quarry operates a state of the art mitigation system to protect adjacent environmental areas.
- The existing system has proven to be highly effective.
- The monitoring, mitigation, reporting and annual meetings with the agencies verify the effectiveness.
- Fully transparent system and agencies have remote access to verify compliance in real-time.
- The Extension is a straight forward addition to the existing mitigation system.






# Not Within Prime Agricultural Area

- Proposed Extension is located outside of the Prime Agricultural Area.

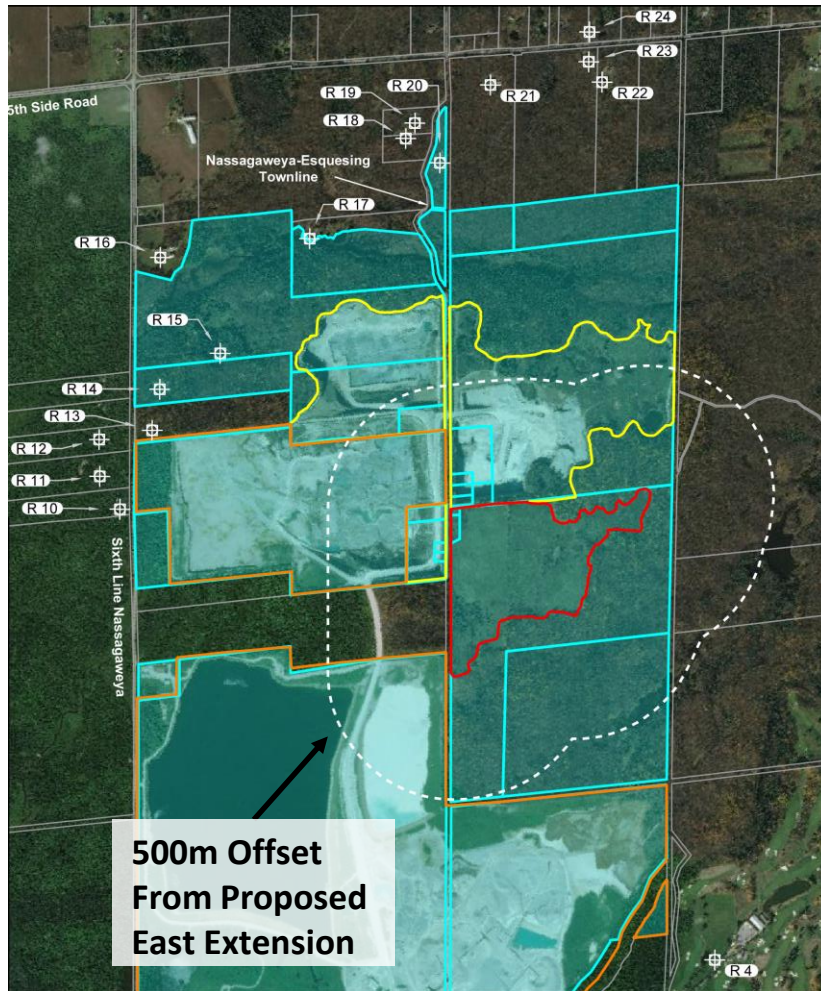


## Legend

-  Proposed Milton Quarry East Extension - Licence Boundary
-  Proposed Milton Quarry East Extension - Limit of Extraction

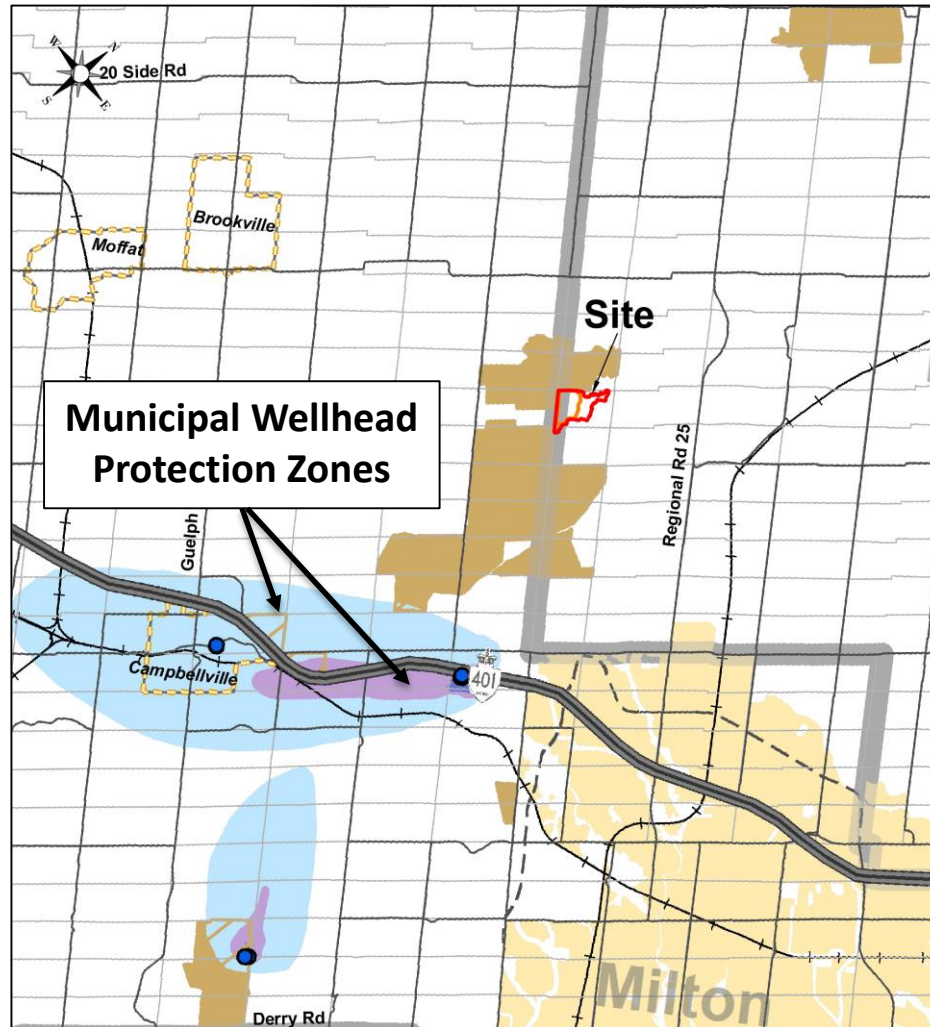
-  Prime Agricultural Area
-  Candidate Area

# Well Separated from Surrounding Sensitive Land Uses



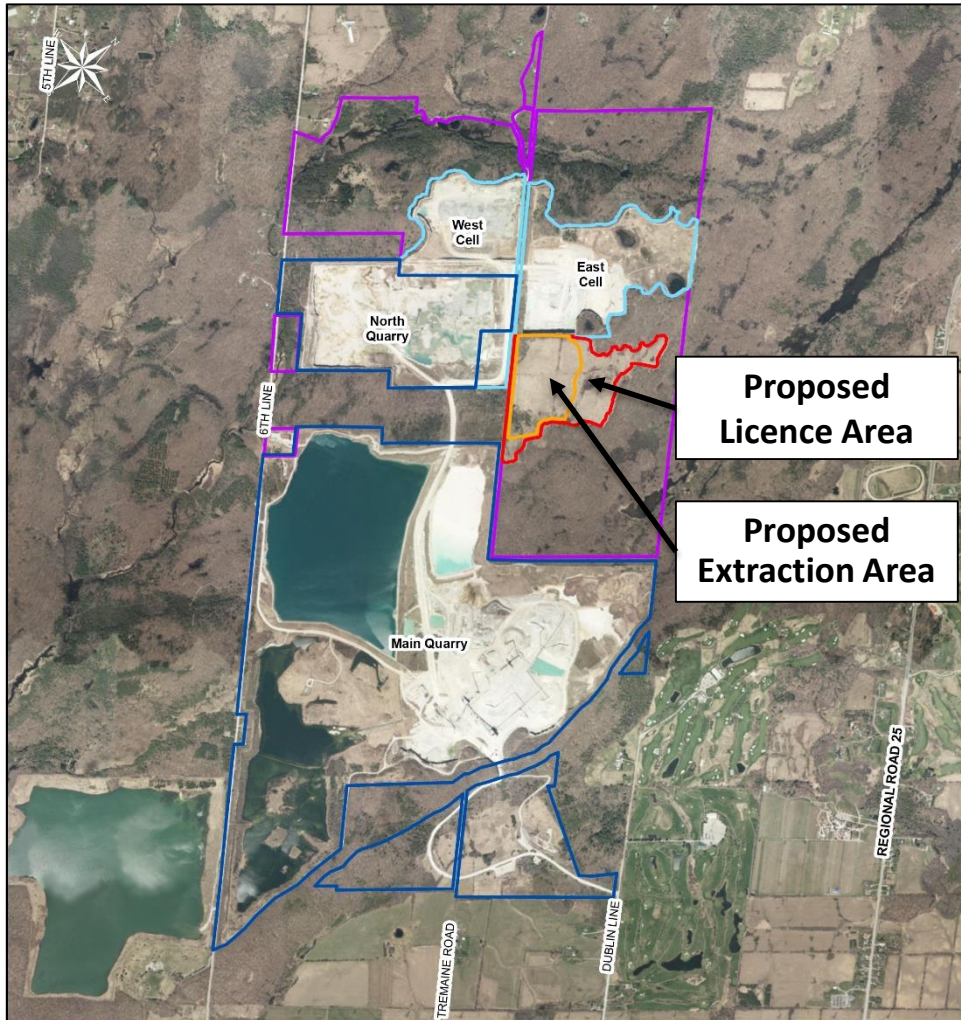
- Provincial standards require completion of Noise and Blasting studies within 500m.
  - Closest sensitive receptor is 1.2 km.
  - Noise and Blasting studies still completed.
  - Air Quality Assessment also completed.
- Extension has been designed to meet Provincial air, noise and blasting limits.

# Not Located within Municipal Wellhead Protection Zone





# Proposed Milton Quarry East Extension (MQEE)



- Based on current extraction rates, the existing Milton Quarry will be depleted by 2025.

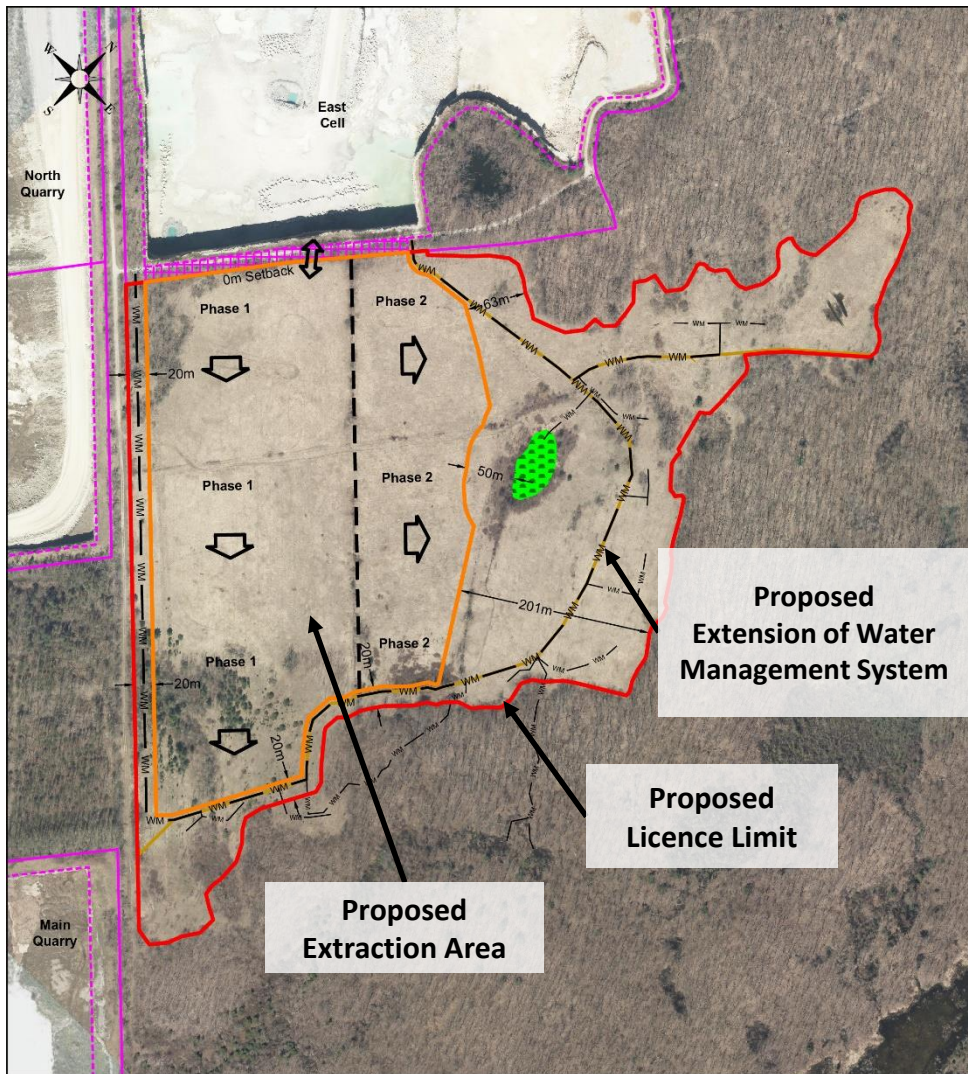
## Proposed Licence Area

- 30.2 ha

## Proposed Extraction Area

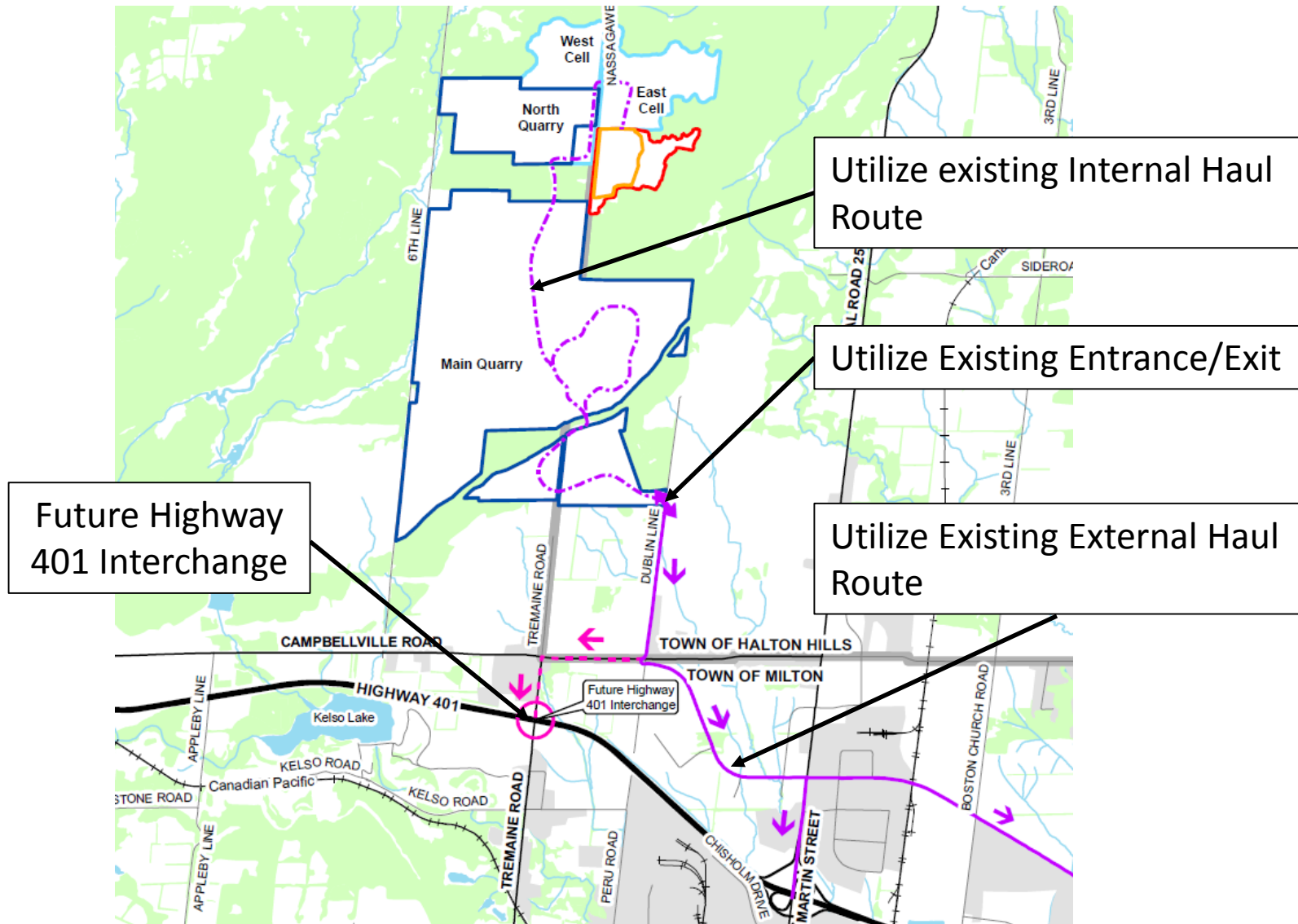
- 15.8 ha
- Site contains 15 million tonnes of aggregate
- Approximately 3 to 7 years

# Proposed Extraction Area



- Proposed extraction area predominately open field.
- Extension will utilize the existing Quarry for processing and existing internal haul routes.
- No new entrance/exits. The existing haul route will continue to be used.

# Proposed Haul Route



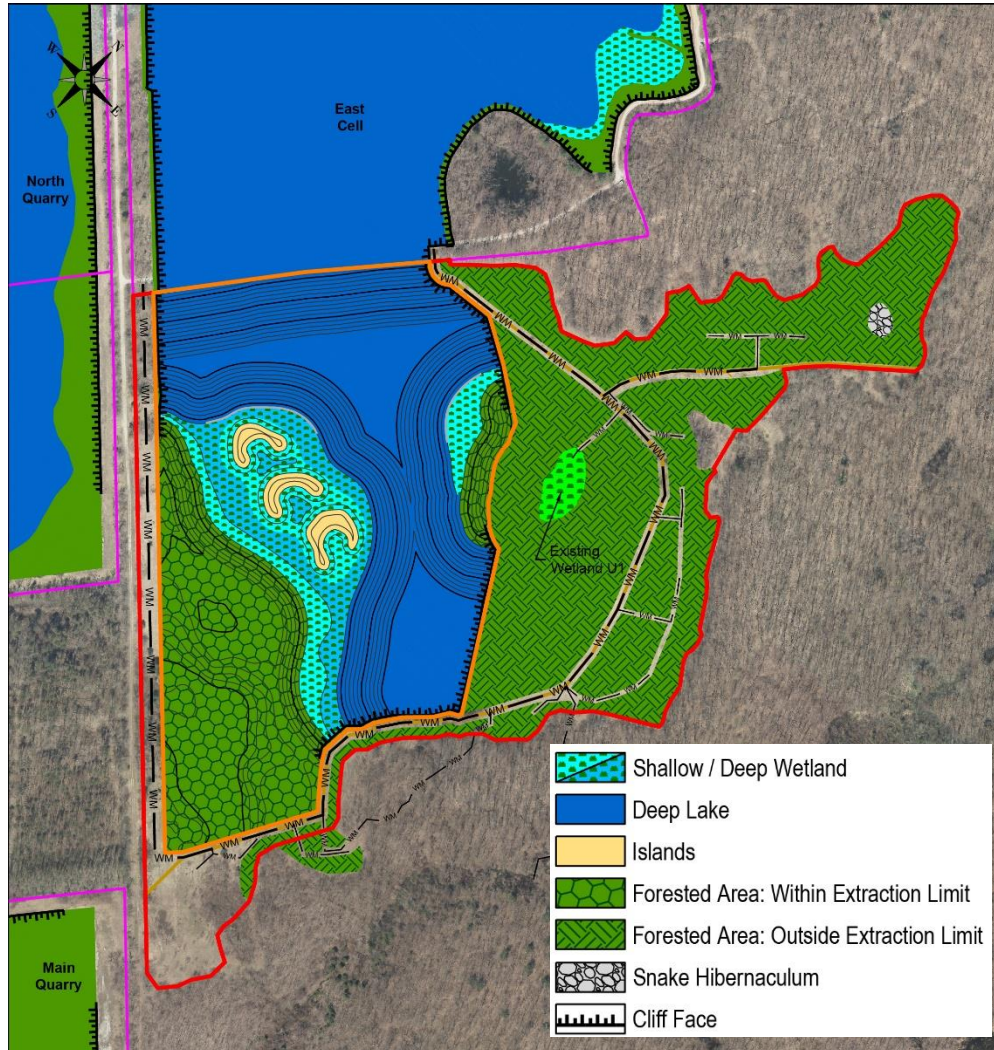
Future Highway 401 Interchange

Utilize existing Internal Haul Route

Utilize Existing Entrance/Exit

Utilize Existing External Haul Route

# Proposed Rehabilitation Plan



- Environmentally based plan.
- Extraction area (15.8 ha) rehabilitated to wetland, lake, island, forest and cliff.
- Area not proposed for extraction (10.55 ha Ecological Enhancement Plan) to forest and snake hibernaculum. To be completed within 2 to 5 years of approval.

# Locational Attributes

- Protected Mineral Aggregate Resource Area.
- Extension of an existing use that utilizes existing infrastructure, existing haul route and a proven mitigation system.
- Outside of Provincial Natural Heritage System.
- Outside of Prime Agricultural Areas.
- Outside of Municipal Wellhead Protection Areas.
- Wells separated from Surrounding Sensitive Land Uses (e.g. closest resident is 1.2 km away).

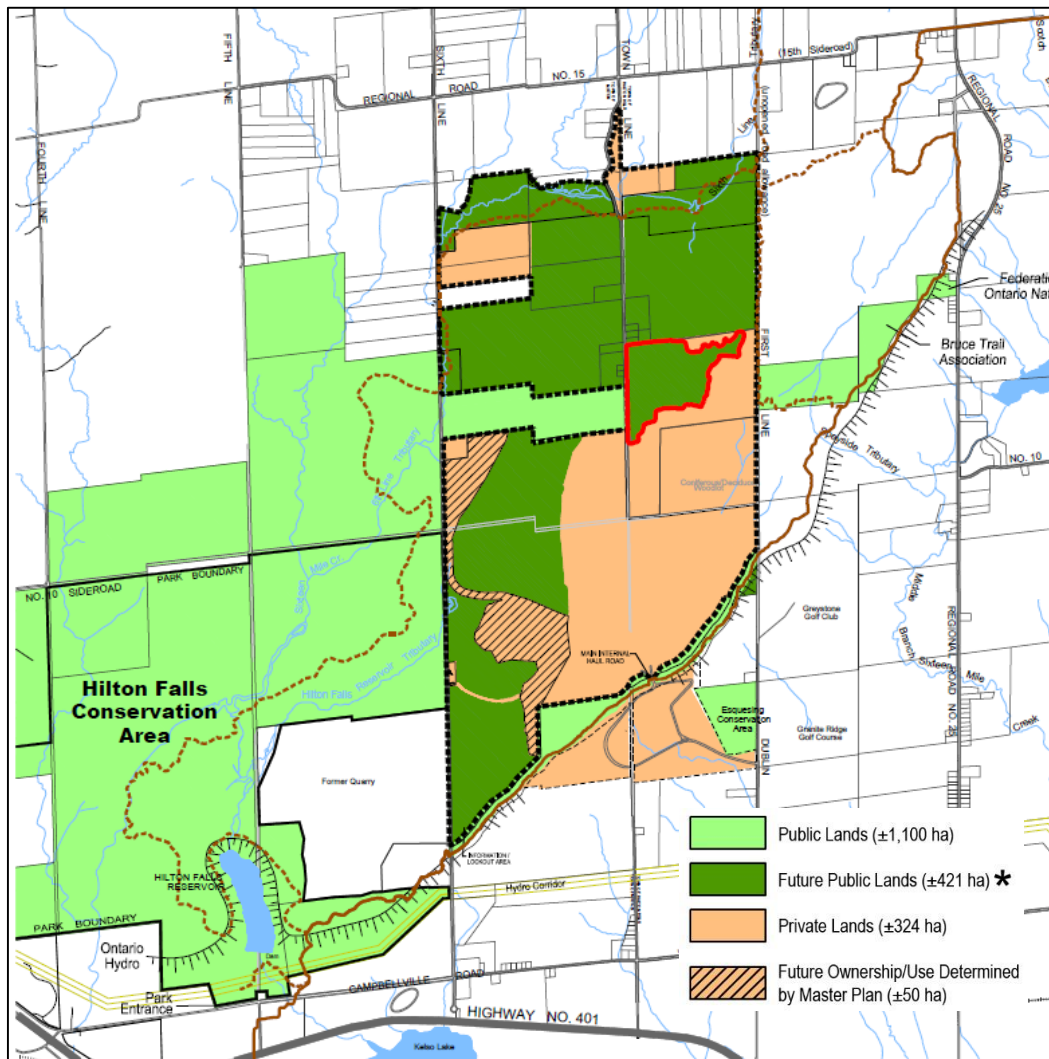
# Application Thoroughly Studied

- Noise Impact Study
- Agricultural Impact Assessment
- Air Quality Assessment
- Stage 1 and 2 Archaeological Assessment
- Stage 3 Archaeological Assessment.
- Blast Impact Analysis
- Cultural Heritage Impact Assessment
- Fiscal Impact Study
- Geology and Water Resources Assessment
- Addendum to Updated Adaptive Environmental Management and Protection Plan (AMP)
- Level 1 And 2 Natural Environment Technical Report (NETR) and Environmental Impact Assessment (EIA)
- Ecological Enhancement Plan (EEP) & Rehabilitation Plan Report
- Traffic Impact Study/ Haul Route Assessment
- Visual Impact Assessment
- Progressive and Final Rehabilitation and Monitoring Study
- Public Consultation Strategy
- Aggregate Resources Act Site Plan
- Planning Justification Report and Aggregate Resources Act Summary Statement

**Digital copies of the detailed site plan and reports for the proposal are available at:**

**<https://www.dufferinaggregates.com/community-information>**

# Milton Quarry Long-Term Vision



- Largest contiguous conservation, water management and recreational resource in the Greater Toronto Area.
- Existing Public Lands
  - ± 1,100 hectares
- Existing Conveyance to Conservation Halton
  - ± 391 hectares
- Additional Future Public Ownership Lands
  - ± 30 hectares



# QUESTIONS