



JAMES DICK
CONSTRUCTION LIMITED

James Dick Construction Limited

Public Information Meeting #1

Proposed Reid Road Reservoir Quarry

December 6th 6:30pm-8:30pm

WELCOME AND INTRODUCTIONS

Slide 2

Thank you for attending this virtual Public Information Meeting

Independent Facilitator: Sue Cumming, Cumming+Company

Presenter: Vince Deschamps & James Parkin, MHBC Planning

Who is Listening (Other Participants):

Greg Scheifele, GWS Ecological & Forestry Services Inc. (Natural Environment)

Al Sandilands, Gray Owl Environmental Inc. (Natural Environment)

Brian Sulley, RWDI (Air Quality)

Stan Denhoed, Harden Environmental Services Ltd. (Hydrogeology)

Derek Flake, Aercoustics Engineering Ltd. (Noise)

Andrew Campbell, Explotech Engineering Ltd. (Blasting)

Stew Elkins, Paradigm (Transportation)

Kelly Beri & Ryan Doyle, HDR (Social Impact)

Greg Sweetnam & Leigh Mugford, James Dick Construction Limited.

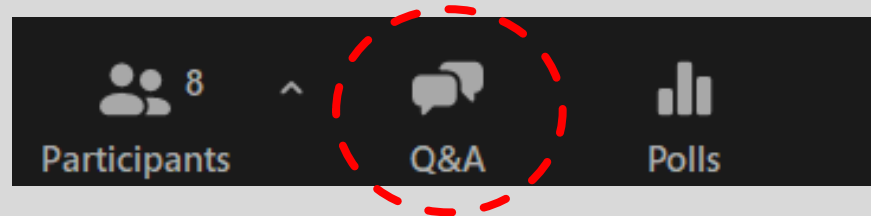
The Preliminary Criteria & Indicators package is available at <https://www.rrrqa.ca/documents>

PURPOSE OF THIS PUBLIC INFORMATION MEETING

- ▶ To introduce the project
- ▶ To provide an overview of the Environmental Assessment Process
- ▶ To present the preliminary draft evaluation criteria and indicators that have been drafted to evaluate the effects of the project and the alternative methods of carrying out the project on the environment.
- ▶ To receive input on the preliminary draft criteria and indicators.
- ▶ To answer questions about the EA Process.

HOW YOU CAN PROVIDE YOUR INPUT AT THIS PIM

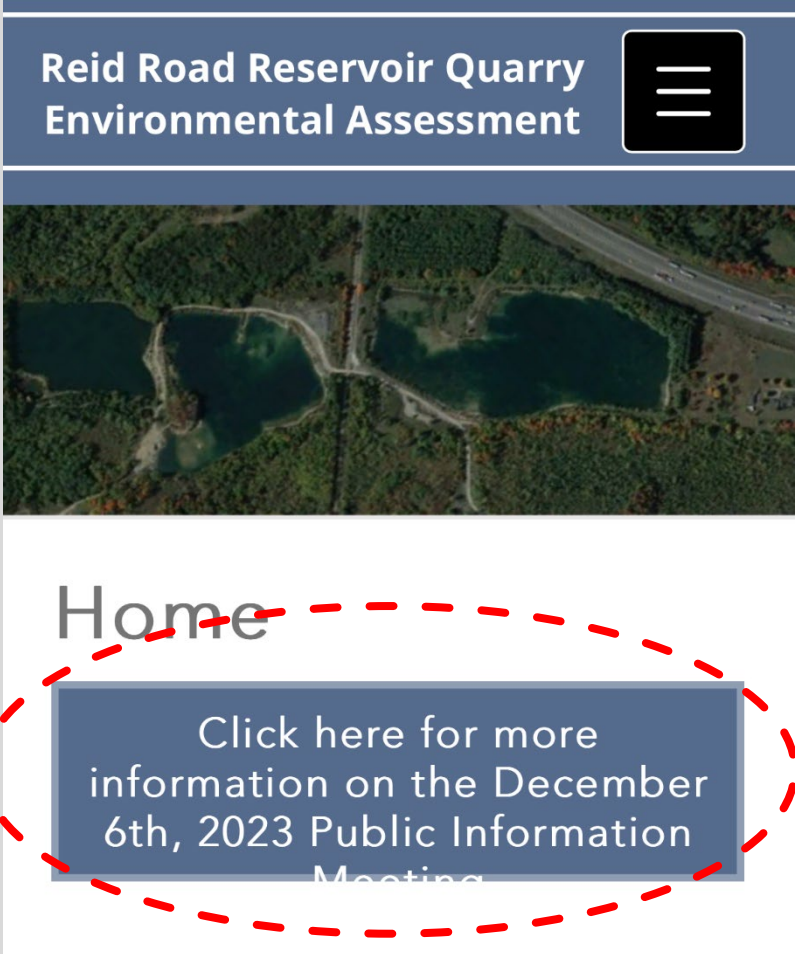
- A live presentation will be given by MHBC Planning followed by Q and A
- You can ask questions or provide comments by typing these into the **"Q & A"**
- The Facilitator will read out the questions for the Applicant and Project Team to respond to
- Your name will not be read aloud when questions are asked



- A feedback report of public comments will be prepared and provided to the Ministry of Environment, Conservation, and Parks.
- The video of the presentation will be posted at <https://www.rrrqa.ca> after December 13, 2023.

HOW YOU CAN PROVIDE YOUR INPUT FOLLOWING THE PIM

- ▶ Visit <https://www.rrrqea.ca>
- ▶ On the home page, click the blue box for more information about the December 6 PIM
- ▶ You will see a link there to the draft evaluation criteria and indicators
- ▶ Scroll down to the bottom to find the online comment form
- ▶ If you prefer, comments can be emailed to rrrqea@jamesdick.com
- ▶ Written input received by January 17, 2024 will be reflected in the criteria and indicators package provided to the Ministry of Environment, Conservation and Parks.



This Presentation will include information on:

1. Property Location & Context
2. History of the ARA Application
3. Introduction to the EA designation and exemption
4. Overview of the EA process
5. Explanation of Criteria & Indicators
6. How to engage in the EA process

WHO IS JAMES DICK CONSTRUCTION LIMITED?

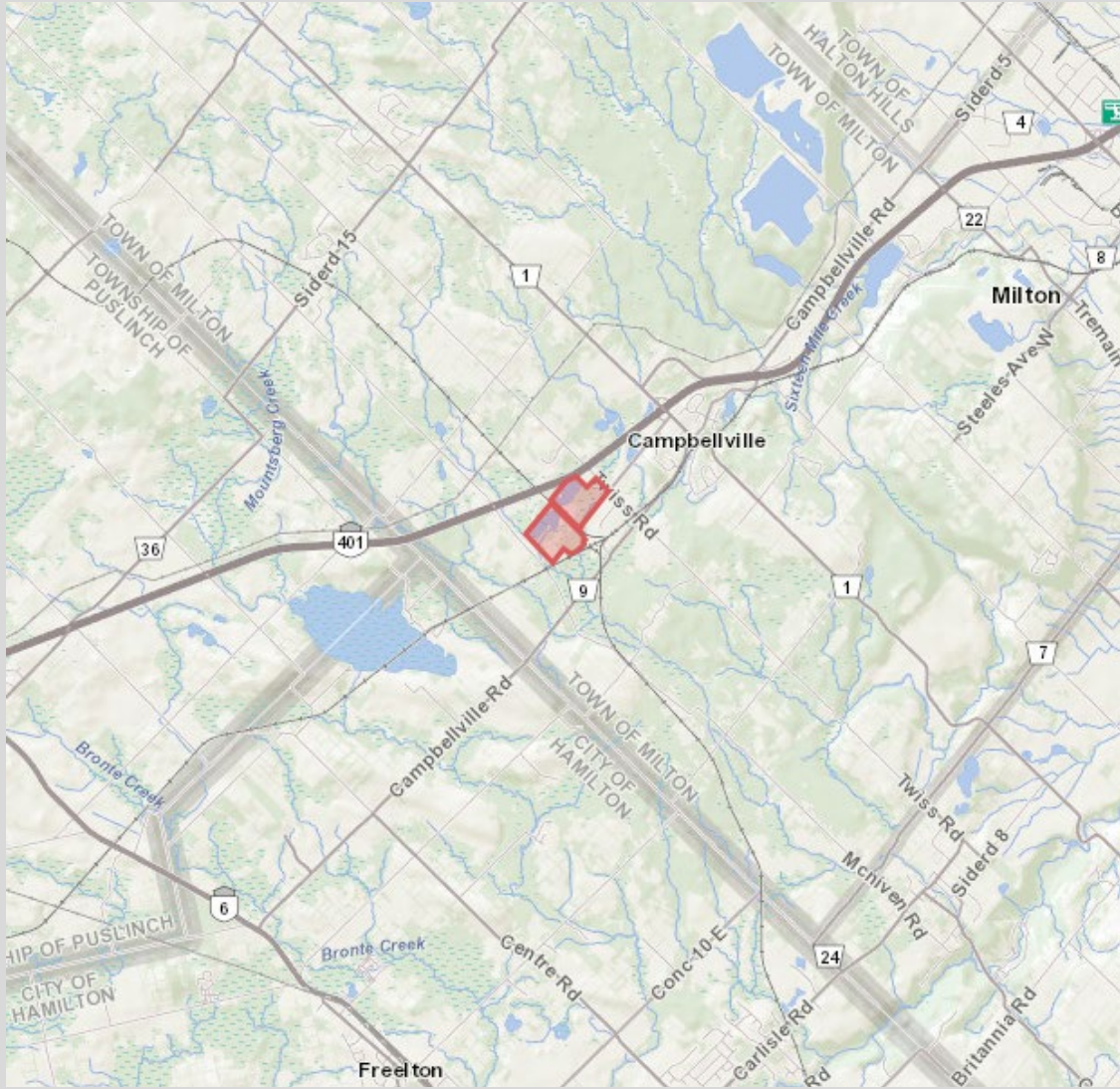
Slide 7

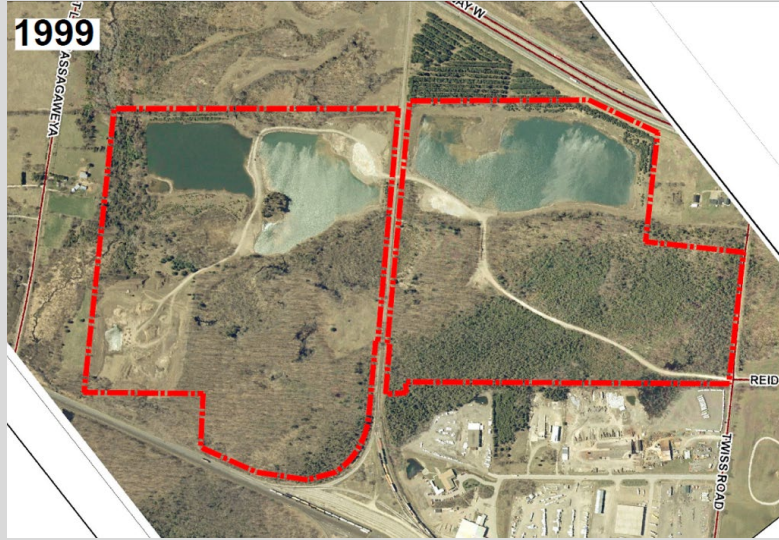
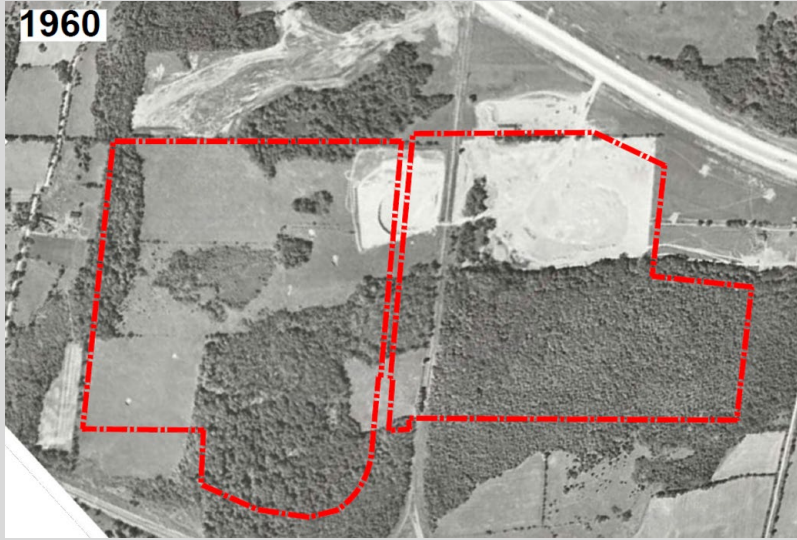
Founded in 1964, James Dick Construction Limited (JDCL) is a Canadian, family-owned and operated producer of construction materials based in Bolton, Ontario.

- Mission to be the most energy efficient producer of construction materials in their market areas
- Employs about 325 people
- Visit www.jamesdick.com for more information

JAMES DICK
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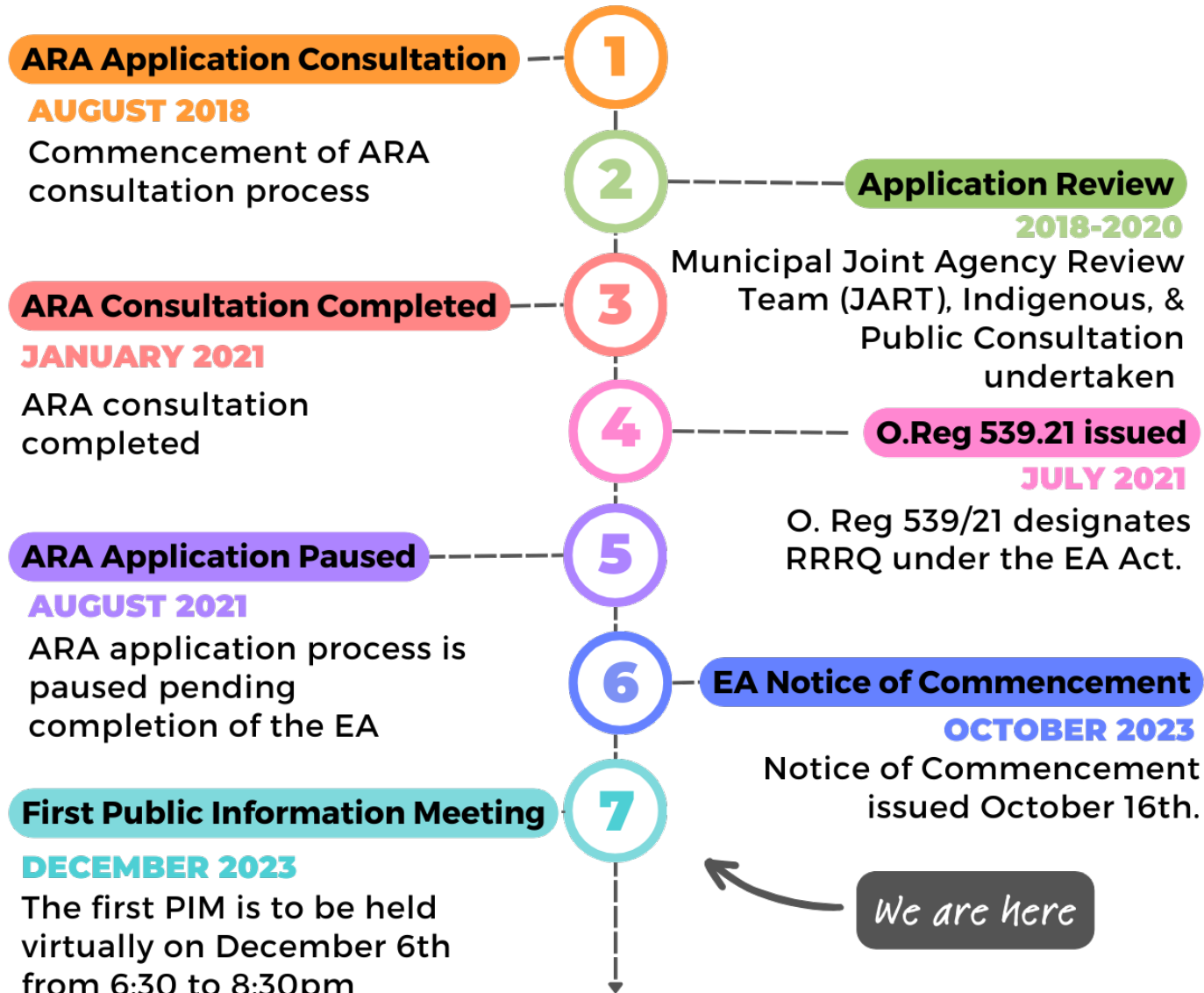
REID ROAD RESERVOIR QUARRY – LOCATION





- Gravel pit operated from 1960s until 2008
- Bought by JDCL in July of 2016
- Significant volume of high quality bedrock aggregate resources remain

PROJECT HISTORY & OVERVIEW



December 6th, 2023

Public Information Meeting
Reid Road Reservoir Quarry

O.Reg 539/21 directs that the following be undertaken:

- Community & Indigenous Consultation;
- Minimum of three (3) public information meetings;
- Creation of public project website;
- Evaluation of alternative methods, specifically:
 - Alternative design methods including alternative to underwater blasting,
 - Alternative haul routes;
- Requirement for additional specific studies pertaining to groundwater; and,
- Evaluation of the advantages and disadvantages of the project, including an assessment of cumulative effects.

The following stages are dictated by the regulation:

1. Notice of commencement;
2. Development of criteria and indicators to evaluate effects of project and alternative methods or carrying out project
3. Creation of work plan for respective studies
4. Preparation of draft EA
5. Notice of publication of draft environmental assessment
6. Submission of EA for Ministry review

Exemption

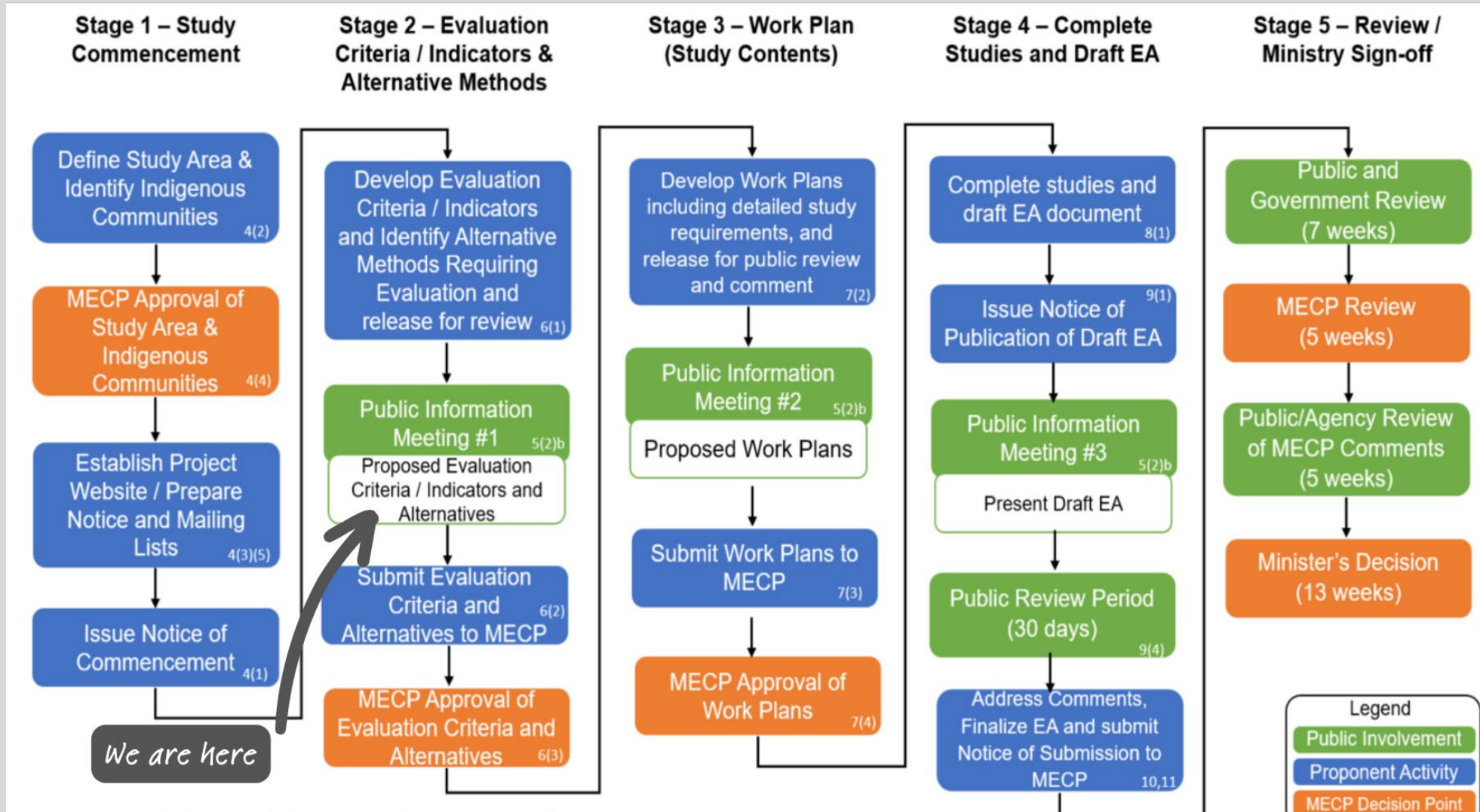
3. (1) The project is exempt from sections 5.1, 6 and 6.1 and subsections 7 (4) to (7) of the Act, from any other requirement of the Act respecting terms of reference, and from section 2 of Regulation 334 of the Revised Regulations of Ontario, 1990 (General) made under the Act, if the proponent complies with sections 4 to 12 of this Regulation.

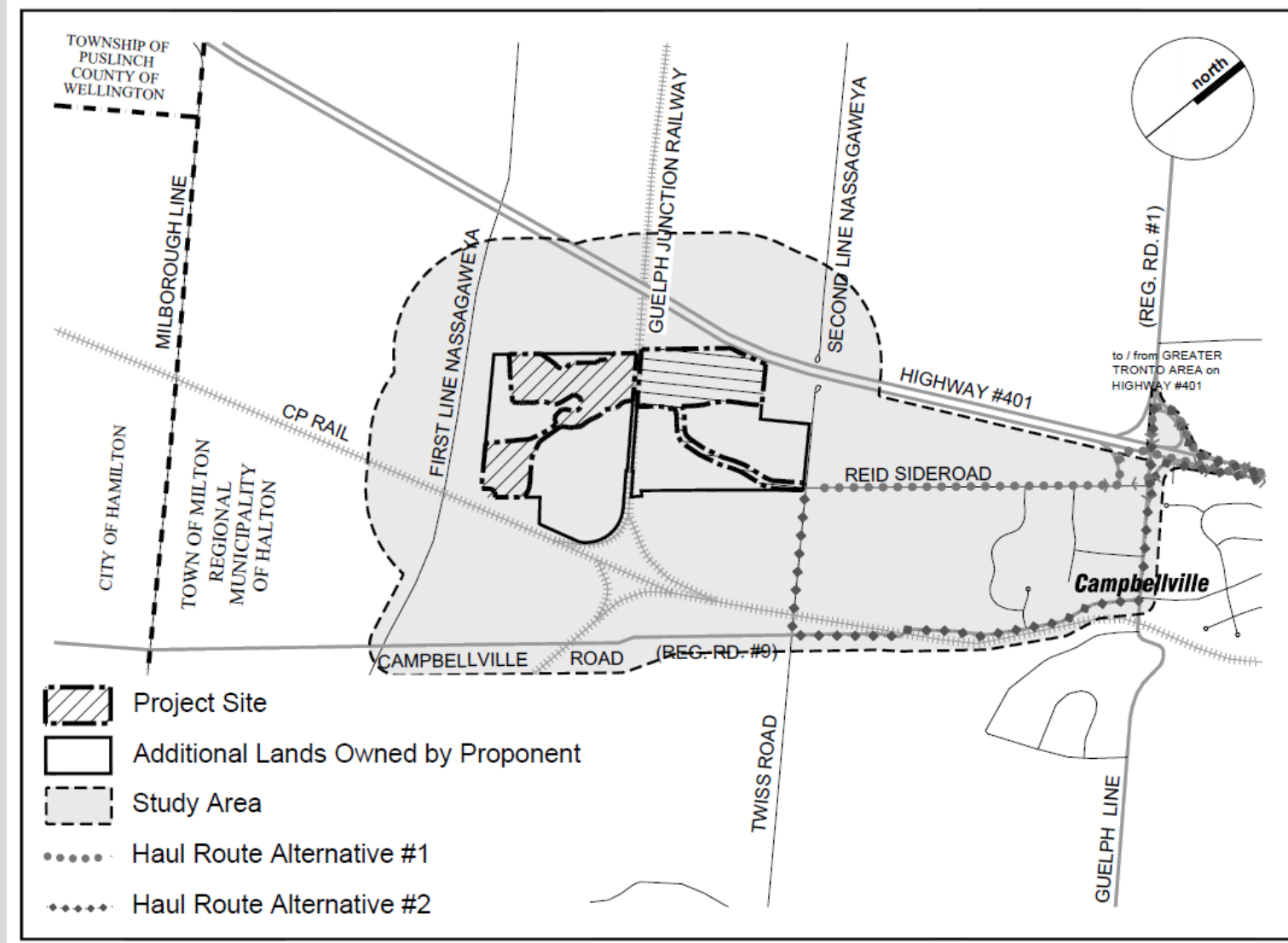
The RRRQEA is exempt from the following:

- All requirements of the Environmental Assessment Act respecting terms of reference → *no Terms of Reference are required for this EA; O. Reg. 539/21 establishes requirements on a project-specific basis*
- Section 2 of Regulation 334 which describes specific elements required to be contained in the final environmental assessment → *Section 8 of O. Reg. 539/21 outlines what must be contained in the final environmental assessment*

7(2) The studies conducted by the proponent as part of the environmental assessment in respect of the project must include, without being limited to,

- a) a door-to-door well survey program;
- b) a water quality monitoring program;
- c) an assessment of the effects to groundwater from blasting below the water table;
- d) a fugitive dust study;
- e) a study of the conditions of any haul routes;
- f) a social impact assessment; and
- g) any other hydrogeological studies that may be identified by the Director of the Ministry's Environmental Assessment Branch.





Environmental Aspect	Environmental Component
Natural Environment	Atmospheric Environment
	Geology and Hydrogeology
	Surface Water Environment
	Ecological Environment
Socio-Economic Environment	Social Environment
	Economic Environment
Cultural Environment	Archaeological Resources
	Cultural Heritage Resources
Built Environment	Transportation
	Current and Planned Land Use

Preliminary Evaluation Criteria and Indicators for the Proposed Reid Road Quarry Alternative Methods of Operation and Alternative Haul Route Options

Evaluation Criteria	Rationale	Indicator(s)	Proposed Data Source
<i>Natural Environment</i>			
Atmospheric Environment			
Air Quality O.Reg. 539/21 Section 7(2)(d)+	Quarry operations and haul routes can emit contaminants that can degrade air quality and lead to increased levels of particulates (dust) in the air.	<ul style="list-style-type: none"> • Predicted airborne contaminant and emission levels at sensitive receptors resulting from quarry operations • Predicted airborne contaminant and emission levels at sensitive receptors resulting from truck traffic along the haul route • Frequency of potential airborne contaminant and emission effects at identified receptors • Number of off-site identified receptors potentially affected (e.g., residential properties, public facilities, businesses/farms, institutions) 	<ul style="list-style-type: none"> • Reid Road Reservoir Quarry Air Quality Assessment (RWDI, 2018) prepared for ARA application • MECP data (e.g., meteorological and terrain) • Applicable MECP guidelines, technical standards and accepted models (e.g., O. Reg. 419/05) • Related evaluation criteria identified in other disciplines (e.g., traffic data, off-site receptors)
Noise	Quarry operations and haul routes can result in an increase in noise levels in the surrounding area (e.g., truck traffic, blasting, heavy equipment on-site).	<ul style="list-style-type: none"> • Predicted site-related noise levels (measured in dBA or dBAI), including blasting-related noise levels • Change in sound levels (dB) • Changes in noise levels at sensitive receptors within study area from quarry operations, including noise from blasting • Changes in noise levels at sensitive receptors within study area from truck traffic on haul routes • Frequency of potential noise effects at sensitive receptors • Number of off-site identified receptors potentially affected (e.g., residential properties, public facilities, businesses/farms, institutions) 	<ul style="list-style-type: none"> • Reid Road Reservoir Quarry Noise Impact Assessment (Aercoustics, 2017) prepared for ARA application • Manufacturer noise specifications • Applicable MECP guidelines, technical standards and models (e.g., NPC-300) • Related evaluation criteria identified in other disciplines (e.g., traffic data, off-site receptors)

Evaluation Criteria	Rationale	Indicator(s)	Proposed Data Source
<i>Natural Environment</i>			
Atmospheric Environment			
Blasting and Vibration O. Reg. 539/21 Section 7(2)(c) +	Blasting during quarry operations may result in potential effects, damage, and/or safety concerns within the surrounding area.	<ul style="list-style-type: none"> • Predicted amount of air overpressure, vibration, and flyrock (at site boundary and receptors) • Frequency of potential blasting effects at sensitive receptors • Number of off-site identified receptors potentially affected (e.g., residential properties, public facilities, businesses/farms, institutions) 	<ul style="list-style-type: none"> • Blast Impact Analysis (Explotech, 2018) prepared for ARA application • Applicable MECP guidelines, technical standards and models (e.g., NPC-119) • Related evaluation criteria identified in other disciplines (e.g., off-site receptors)
Geology & Hydrogeology			
Groundwater Quality O. Reg. 539/21 Section 7(2)(a, b,c,g) +	Quarry operations may result in changes to groundwater quality within groundwater resources (<i>e.g., blasting, quarrying within aquifer</i>).	<ul style="list-style-type: none"> • Changes to groundwater quality (e.g., bacteriological, chemical and physical changes to water chemistry down-gradient of site) • Changes to groundwater temperature (e.g., temperature of discharge into Kilbride Creek and Tributary) 	<ul style="list-style-type: none"> • Level 1 & 2 Hydrogeological Assessment Reid Road Reservoir Quarry (Harden Environmental, 2018) prepared for ARA application • Environmental and Water Management Operational Guide (JDCL, 2019) prepared as part of JART review process • Applicable MECP guidelines, technical standards and models (e.g., Ontario Drinking Water Quality Standards)
Groundwater Quantity and Flow	Quarry operations may disrupt natural groundwater flows and impact groundwater levels and well water users off-site (<i>e.g., dewatering/draw down</i>).	<ul style="list-style-type: none"> • Loss/reduction in groundwater resources • Changes to groundwater quantity and availability (e.g., existing water supply in private wells) 	<ul style="list-style-type: none"> • Level 1 & 2 Hydrogeological Assessment Reid Road Reservoir Quarry (Harden Environmental, 2018) prepared for ARA application • MECP and Conservation Halton data (e.g., water well records, Provincial Groundwater Monitoring Network) • Applicable MECP guidelines, technical standards and accepted models

Evaluation Criteria	Rationale	Indicator(s)	Proposed Data Source
<i>Natural Environment</i>			
Hydrology			
Surface Water Quality	Quarry operations may result in changes to surface water quality within adjacent surface water resources (<i>e.g., surface water run-off draining to surface water receptors, sediment deposition, erosion of exposed surficial soils</i>).	<ul style="list-style-type: none"> Reduction in surface water quality (e.g., turbidity within wetlands, Kilbride Creek and Tributary) Increase in surface water temperature 	<ul style="list-style-type: none"> Level 1 & 2 Hydrogeological Assessment Reid Road Reservoir Quarry (Harden Environmental, 2018) prepared for ARA application MECP and Conservation Halton data (e.g., Surface water quality monitoring data, Provincial Water Quality Monitoring Network) Applicable MECP guidelines, technical standards and accepted models (e.g., Provincial Water Quality Objectives)
Surface Water Quantity and Flow	Quarry operations may disrupt natural surface water drainage patterns, run-off, and peak flows (<i>e.g., dewatering discharge, effect on baseflow to surface water, etc.</i>).	<ul style="list-style-type: none"> Change in runoff volumes and peak flows. Changes to drainage areas and drainage patterns on-site and off-site (e.g., stream crossings along haul routes). Predicted occurrence and degree of off-site effects to surface water flows (e.g., loss of groundwater discharge to surface water features). 	<ul style="list-style-type: none"> Level 1 & 2 Hydrogeological Assessment Reid Road Reservoir Quarry (Harden Environmental, 2018) prepared for ARA application MECP and Conservation Halton data (e.g., flow information, hydrologic modelling) Applicable MECP/MNRF/ECCC guidelines, technical standards and accepted models (e.g., hydrology design standards) Related evaluation criteria identified in other disciplines (e.g., meteorological data, climate change modelling)

Evaluation Criteria	Rationale	Indicator(s)	Proposed Data Source
<i>Natural Environment</i>			
Ecological Environment			
Aquatic Ecosystems	Quarry operations and haul routes may disturb the functioning of natural aquatic habitats and species, including rare, threatened, or endangered species.	<ul style="list-style-type: none"> Habitat removal/change (e.g., amphibian breeding ponds, sediment release, fish habitat) Loss/change of ecological functions (e.g., drawdown in wetlands during extraction) Risk of species mortality (e.g., underwater blasting) Potential effects on fish habitat resulting from dewatering, blasting or changes in streamflow 	<ul style="list-style-type: none"> Proposed Reid Road Reservoir Quarry Level II Natural Environment Report Technical Report (GWS & Gray Owl Environmental, 2018) prepared for ARA application Environmental and Water Management Operational Guide (JDCL, 2019) prepared as part of JART review process MECP, MNRF and Conservation Halton data (e.g., species records, wetland mapping) Applicable MECP/MNRF guidelines, technical standards and accepted models (e.g., Natural Heritage Reference Manual)
Terrestrial Ecosystems	Quarry operations and haul routes may disturb the functioning of natural terrestrial habitats and species, including rare, threatened, or endangered species.	<ul style="list-style-type: none"> Habitat removal/change (e.g., areas of forest/grassland habitat removed for the quarry or adjacent to haul routes) Loss/change of ecological functions (e.g., SWH in wetlands adjacent to haul routes) Risk of species mortality (e.g., road strikes along haul routes) Nuisance effects on terrestrial species (e.g., dust, fly rock, etc.) 	<ul style="list-style-type: none"> Proposed Reid Road Reservoir Quarry Level II Natural Environment Report Technical Report (GWS & Gray Owl Environmental, 2018) prepared for ARA application MECP, MNRF and Conservation Halton data (e.g., species records, natural heritage mapping) Applicable MECP/MNRF guidelines, technical standards and accepted models (e.g., Natural Heritage Reference Manual)

Evaluation Criteria	Rationale	Indicator(s)	Proposed Data Source
<i>Socio-Economic Environment</i>			
Social Environment O. Reg. 539/21 Section 7(2)(f)*			
Local Community	Quarry operations and haul routes may adversely affect residents and businesses in the local community.	<ul style="list-style-type: none"> • Number of residents and residences (e.g., receptors) • Number and type of local businesses • Changes to use and enjoyment of property (e.g., nuisance effects) • Changes to level of satisfaction with living/working in the community 	<ul style="list-style-type: none"> • Census information and municipal data • Community survey(s) • Related evaluation criteria identified in other disciplines (e.g., off-site receptors, dust, noise, vibration, traffic)
Economic Environment			
Community Economics	Quarry operations could potentially have economic effects on and/or provide economic benefits to the local community.	<ul style="list-style-type: none"> • Changes to employment levels (direct and/or indirect) • Changes to municipal finances • Changes to local business activities • Changes to type/value of procurement from and provision to the local community • Changes to tourism 	<ul style="list-style-type: none"> • Census and municipal data • Municipal tax information / sources of municipal revenues • JDCL economic data (e.g., municipal fee contributions, employment, procurement)

Evaluation Criteria	Rationale	Indicator(s)	Proposed Data Source
<i>Cultural Environment</i>			
Archaeological Resources	Archaeological resources within the Study Area can be damaged or destroyed by construction and operation of the quarry. Activities related to construction and operation of the quarry may cause negative effects on archaeological sites or areas with archaeological potential.	<ul style="list-style-type: none"> • Presence and significance of archaeological resources within the quarry footprint 	<ul style="list-style-type: none"> • Stage 1 Archaeological Assessment (NYAS, 2017) prepared for ARA application • Clearance of Archaeological potential in compliance with Ministry of Heritage, Sport, Tourism and Culture Industries requirements (Dec. 18, 2018) • Ontario Archaeological Sites Database (OASD) • MTCS Standards and Guidelines for Consultant Archaeologists
Cultural Heritage Resources	Activities related to construction and operation of the quarry may result in direct or indirect effects on identified built heritage resources and cultural heritage landscapes.	<ul style="list-style-type: none"> • Direct or indirect impacts on known or potential cultural heritage resources (known/potential built heritage resources and cultural heritage landscapes) 	<ul style="list-style-type: none"> • Stage 1 Archaeological Assessment (NYAS, 2017) prepared for ARA application • Clearance of Archaeological potential in compliance with Ministry of Heritage, Sport, Tourism and Culture Industries requirements (Dec. 18, 2018) • Municipal, Provincial and Federal Heritage Registers and Inventories • MTCS Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes

Evaluation Criteria	Rationale	Indicator(s)	Proposed Data Source
<i>Built Environment</i>			
Traffic O.Reg. 539/21 Section 7(2)(e) +	Truck traffic along the haul routes from quarry operations may adversely affect residents, businesses, institutions, and movement of farm vehicles in the site vicinity.	<ul style="list-style-type: none"> • Changes in daily truck traffic volume • Changes to road operations and level of service for intersections (e.g., capacity, delay, queues) • Effect of truck traffic on structural road components (e.g., pavement and road infrastructure) • Interactions and potential conflicts with emergency vehicles and impacts to emergency response times • Potential safety and crash risks to other road users 	<ul style="list-style-type: none"> • Reid Road Reservoir Quarry Traffic Impact Study (Paradigm, 2018) prepared for ARA application • Milton Transportation Master Plan • Related evaluation criteria identified in other disciplines (e.g., off-site receptors)
Current and Planned Land Use	Quarry operations may not be fully compatible with certain current and/or planned land uses in the Study Area. Quarries can potentially have a negative impact on sensitive land uses in the vicinity.	<ul style="list-style-type: none"> • Current land use • Planned land use • Type(s) and proximity of off-site recreational resources within 1 km • Type(s) and proximity of off-site sensitive land uses • Type(s) and proximity of agricultural land use/operations (e.g., organic, cash crop, livestock) 	<ul style="list-style-type: none"> • Reid Road Reservoir Quarry Summary Statement Report (MHBC, 2018) prepared for ARA application • Official Plans and Zoning By-laws • Agency mapping (e.g., Canada Land Inventory, OMAFRA Agricultural Information Atlas, etc.)

www.rrrqea.ca

Reid Road Reservoir Quarry Environmental Assessment



- HOME
- PROJECT UPDATES
- PROJECT SITE & STUDY AREA
- EA PROCESS
- PUBLIC CONSULTATION
- REPORTS & DOCUMENTS**
- FAQ
- CONTACT

Reports & Documents

EA reports will be uploaded to this page of the Project Website once available.

The Reports completed as part of the Aggregate Resources Act License Application can be found in the corresponding folder below. As well, the documents issues so far related to the EA process can be found under the EA Documents tab.

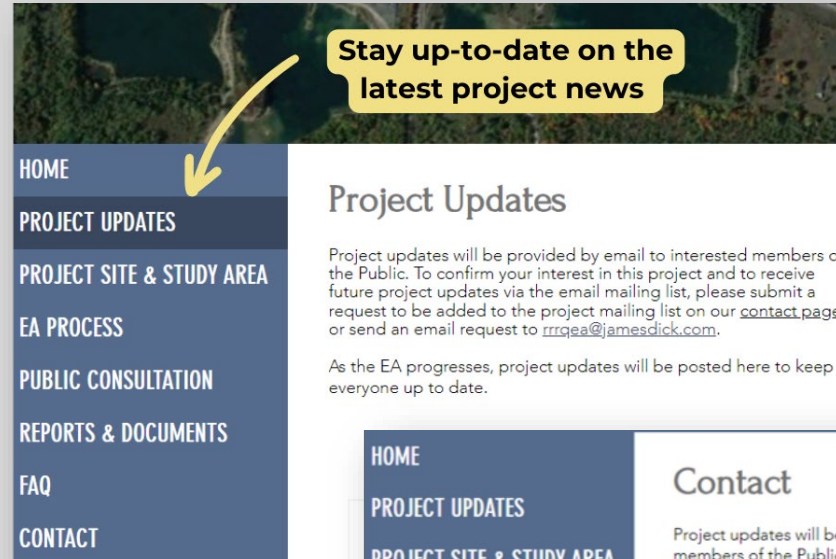
Files & Folders

Item name	
 EA Documents 5 items	⋮
 Reports from ARA Process 21 items	⋮

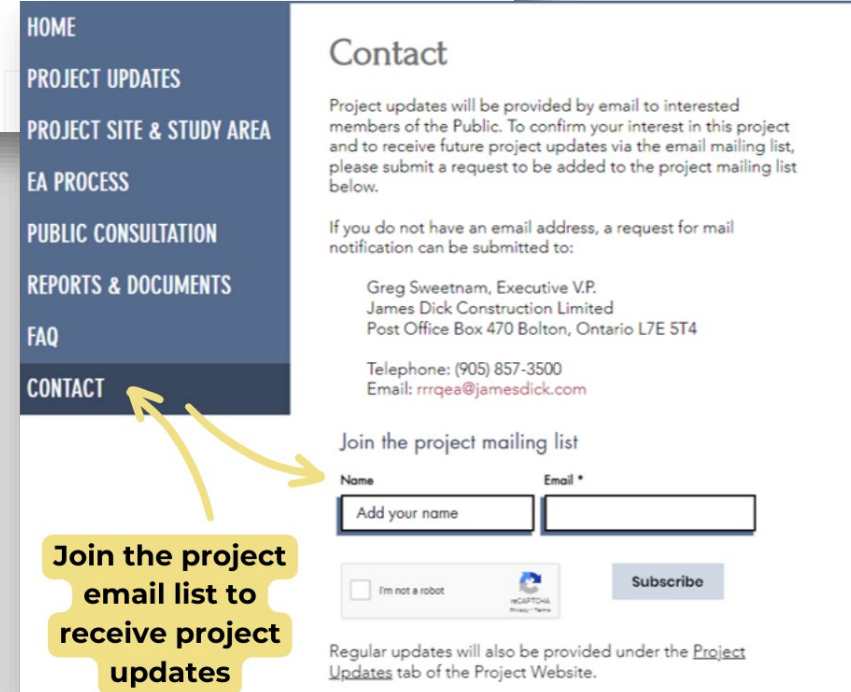
The preliminary Criteria & Indicators package can be found here →

- 1 Public Information Meeting #1**
DECEMBER 6TH 2023
Introduce the project, overview the Environmental Assessment Process, present and receive feedback the preliminary draft evaluation criteria and indicators.
- 2 Public Information Meeting #2**
Present and receive feedback on the proposed work plans.
- 3 Public Information Meeting #3**
Present and receive feedback on the draft Environmental Assessment.

Timing dependent on of completion of studies and drafting of report

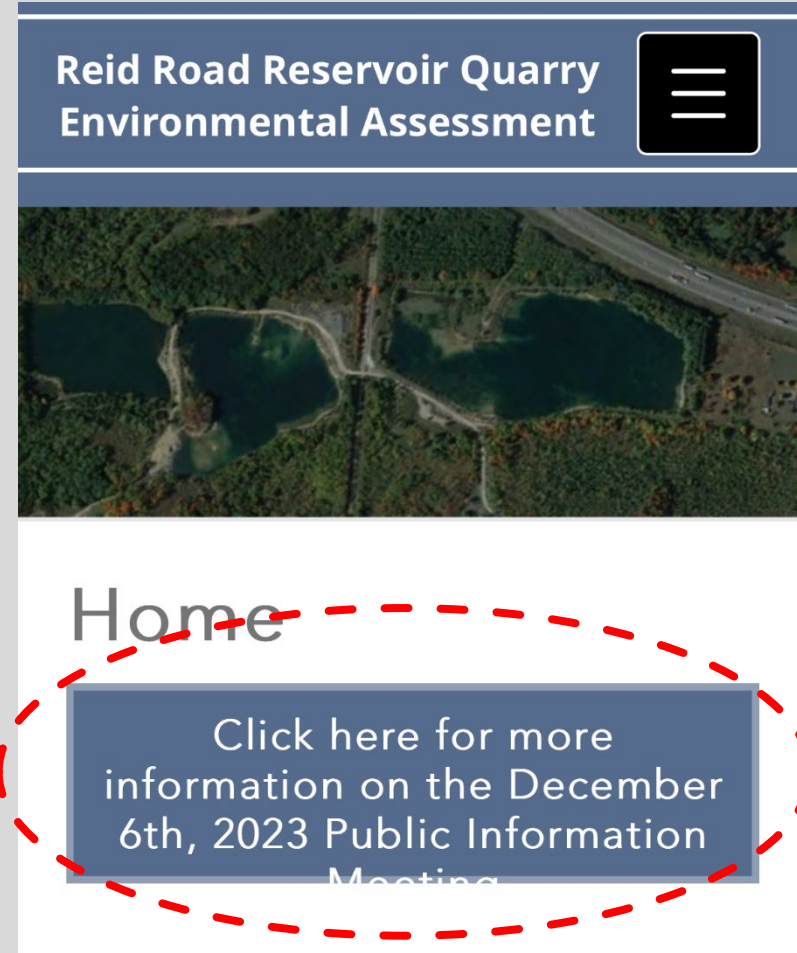


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REID ROAD RESERVOIR QUARRY

