

**Legend**

	Licence Boundary		120m Offset From Licence Boundary
	Limit of Extraction		Existing Licence
	Contours with Elevation		Parcel Fabric
	Public Road		Diversion or Discharge Pipe
	Fence		Discharge Location
	Water Feature		Jefferson Salamander Regulatory Boundary
	Irrigation Pond		Fish Habitat
	Significant Woodlands		Sun-Canadian Pipe Line
	Woodlands		Entrance / Exit
	Wooded Feature		Direction of Surface Drainage
	Wetland		Building/Structure
	Wetland MNRP - Provincially Significant		Cross Sections
	Wetland MNRP - Unrated		

**Significant Wildlife Habitat**

	Amphibian Breeding (Woodland)		Unicorn Clubtail
	Bat Maternity Colony		Eastern Wood-pewee
	Rare Vegetation Community		Large Toothwort Community

**Species at Risk**

	Butternut Category 1
	Butternut Category 2
	Bobolink
	Barn Swallow Nest Observation
	Bat Habitat (Little Brown Myotis and Tricoloured Bat)

**Site Plan Amendments**

No.	Date	Description	By

**Site Plan Revisions (Pre-Licensing)**

No.	Date	Description	By
1	September 2020	Update date of Archaeological Assessment Report in Section H	CAP
2	April 2021	Included MNRP wetlands for South Extension, Added Significant Wildlife Habitat, Species of Conservation Concern and Species at Risk. Update legend.	CAP

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MNRF Approval Stamp

**DRAFT**

MHBC Stamp

Applicant

**NELSON AGGREGATE CO.**  
 2433 No. 2 St. Road  
 P.O. Box 1070 Burlington Ont. L7R 4L8  
 phone: (905) 335-5250

Project **Burlington Quarry Extension**

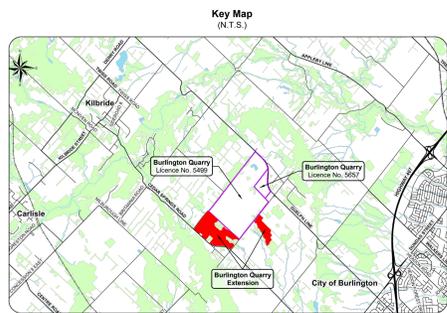
MNRF Licence Reference No. **626477** Pre-approval review:

Plan Scale: 1:3000 (Arch E) Date **April 2021**  
 Drawn By **C.P.** File No. **9135D**  
 Checked By **B.Z.**

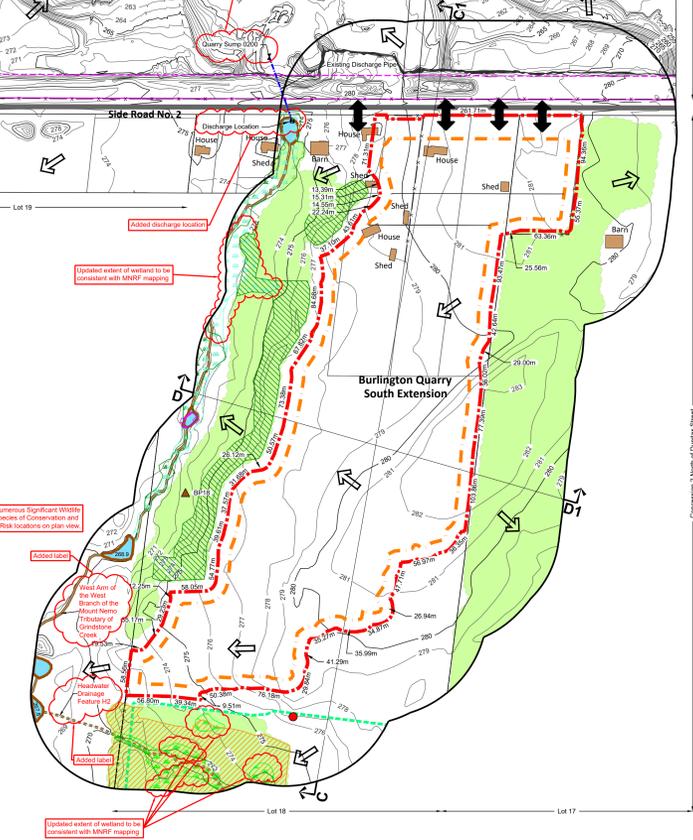
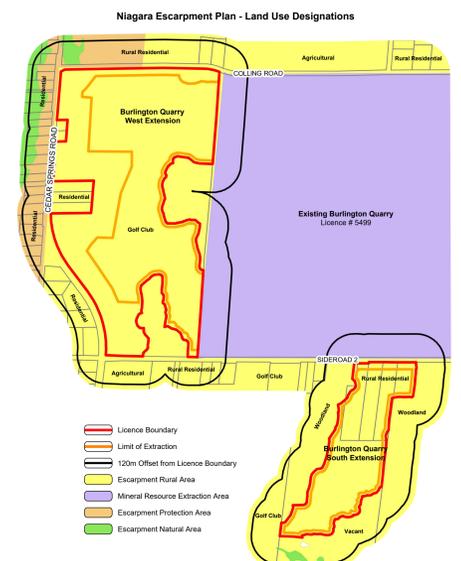
File Name **Existing Features**

Drawing No. **1 of 4**

File Path N:\b\19155D-Nelson - Project Sideways\Drawings\ARA Site Plans\Extension Site Plan\CAD\9135D - Site Plan.dwg



- A. General**
- This site plan is prepared under the Aggregate Resources Act (ARA) for a Class 'A' Licence, Category 2.
  - Area Calculations:
    - Licence Area (total) 78.4 ha
    - South Extension 18.3 ha
    - West Extension 60.1 ha
- B. References**
- Contours were obtained from the City of Burlington's Open Data Catalogue based on 2017 data and are displayed in one metre intervals. Elevations shown are in metres above sea level (masl).
  - Topographic information was obtained from numerous sources including Ontario GeoHub (Land Information Ontario), City of Burlington's Open Data Catalogue, Google Earth Pro aerial photography captured on May 7, 2018 and field investigations for technical reports.
  - All topographic features and structures are shown to scale in Universal Transverse Mercator (UTM) with North American Datum 1983 (NAD83), Zone 17 (metre), Central Meridian 81 degrees west coordinate system.
  - The licence boundaries were established using Municipal Property Assessment Corporation (MPAC) parcel fabric data. Distances are approximate and for reference purposes only.
  - Land use designations on and within 120 metres of the licences are from the Niagara Escarpment Plan, Map 3 - Regional Municipality of Halton, approved June 1, 2017. The Burlington Quarry Extension lands are designated Escarpment Rural Area.
  - Land use information and structures identified on or within 120 metres of the licence boundaries were determined using Google Earth Pro aerial photography captured on May 7, 2018.
- C. Drainage**
- Surface drainage on and within 120 metres of the licence boundaries are by overland flow in the directions shown by arrows on the plan view, or by infiltration.
- D. Groundwater**
- The established groundwater table varies between 264 masl to 273 masl in the South Extension and 263 masl to 265 masl in the West Extension (EarthFX 2020).
- E. Site Access and Fencing**
- There are four existing site accesses on Side Road No. 2 and a single existing site access on Cedar Springs Road.
  - Post and wire fencing (unless noted otherwise) exists in the locations shown on the plan view.
- F. Aggregate Related Site Features**
- There are no existing aggregate operations or features on either Extension such as internal haul roads, processing stockpiles, scrap, fuel storage, berms or excavation faces.
- G. Cross Sections**
- See drawing 4 of 4.
- H. Technical Reports - References**
- Adaptive Management Plan, Proposed Burlington Quarry Extension, EarthFX Inc., Savanta and Tatham Engineering, April 2020.
  - Agricultural Impact Assessment, Nelson Aggregate Co., Burlington Quarry Extension, April 2020.
  - Air Quality Study for Nelson Aggregate Co., Burlington Quarry Extension, BCK Environmental Consulting, March 2020.
  - Archaeological Assessment (Stages 1, 2 & 3), Nelson Aggregate Quarry Extension, Archaeologic Inc., August 2003.
  - Archaeological Assessment (Stage 4), Nelson Aggregate Quarry Extension, Archaeologic Inc., August 2004.
  - Stage 1-2 Archaeological Assessment, Proposed West Extension of the Burlington Quarry, Götter Associates, September 2020.
  - Blast Impact Analysis, Burlington Quarry Extension, Epitech Engineering Ltd., April 23, 2020.
  - Cultural Heritage Impact Assessment Report, Burlington Quarry Extension, MacNaughton Hermen Britton Clarkson Planning Limited (MHBC), April 2020.
  - Financial Impact Study, Proposed Burlington Quarry Extension, Nelson Aggregate Co., April 2020.
  - Level 1 and 2 Hydrogeological and Hydrological Impact Assessment Report, Proposed Burlington Quarry Extension, EarthFX Incorporated, April 2020.
  - Level 1 and 2 Natural Environment Technical Report, Proposed Burlington Quarry Extension, Savanta, April 2020.
  - Noise Impact Assessment, Nelson Aggregate Quarry Extension, Howe Gastmeier Chapnik Limited, April 22, 2020.
  - Nelson Aggregate Company, Burlington Quarry Extension Traffic Report, Paradigm Transportation Solutions Limited, February 2020.
  - Surface Water Assessment, Burlington Quarry Extension, Tatham Engineering, April 2020.
  - Visual Impact Assessment Report, Proposed Extension of the Burlington Quarry, MacNaughton Hermen Britton Clarkson Planning Limited (MHBC), April 2020.

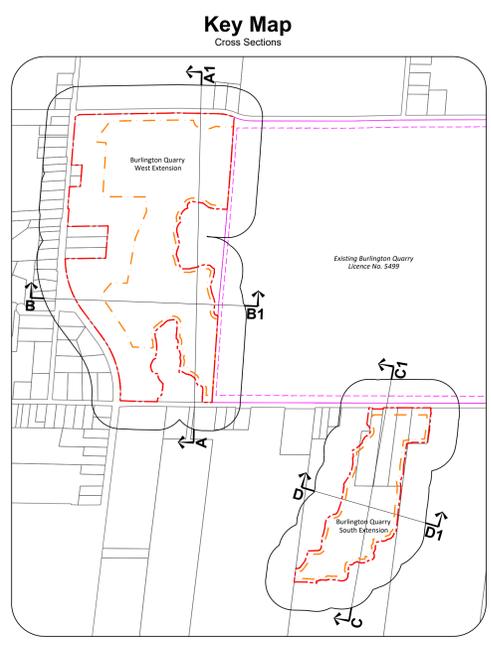
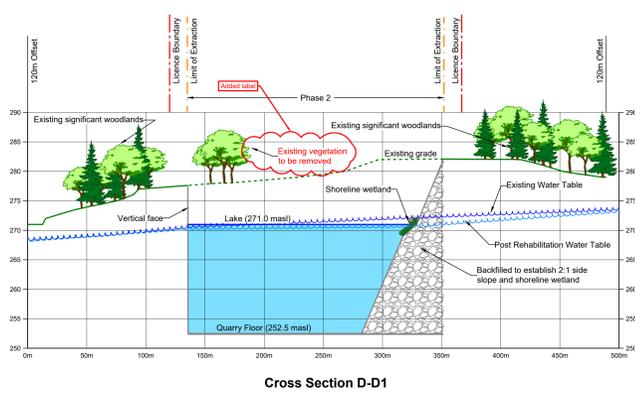
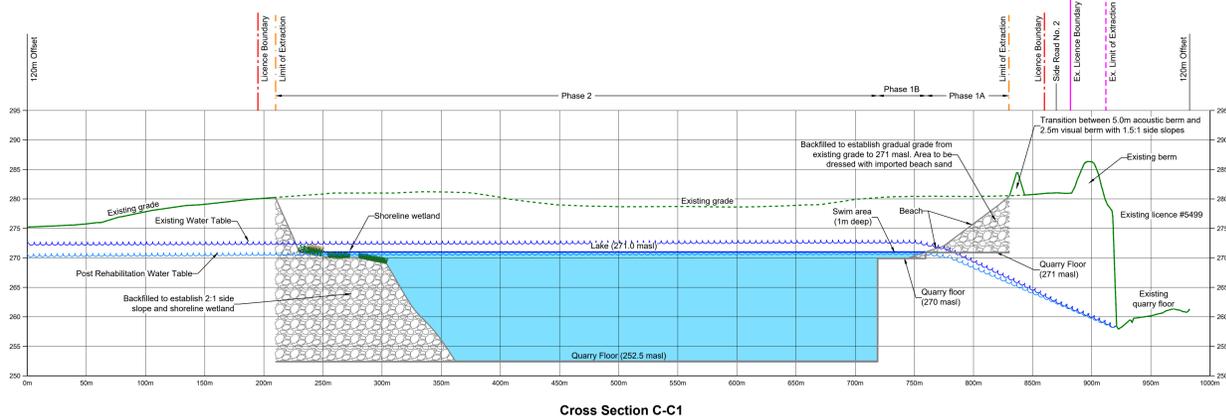
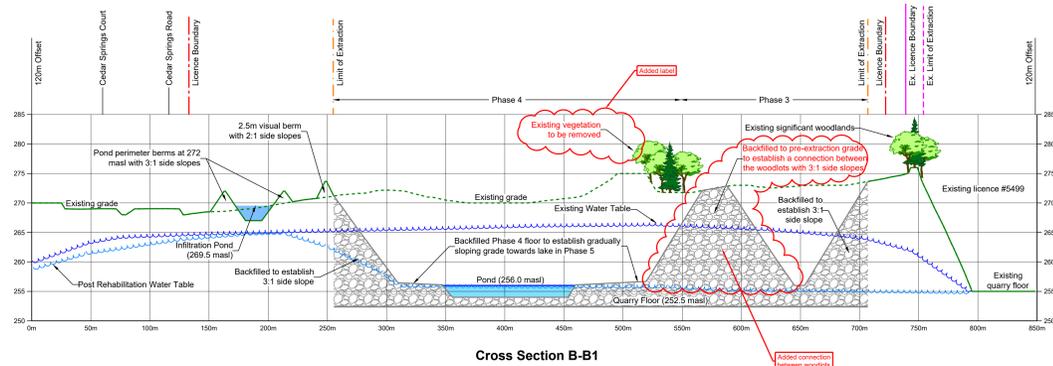
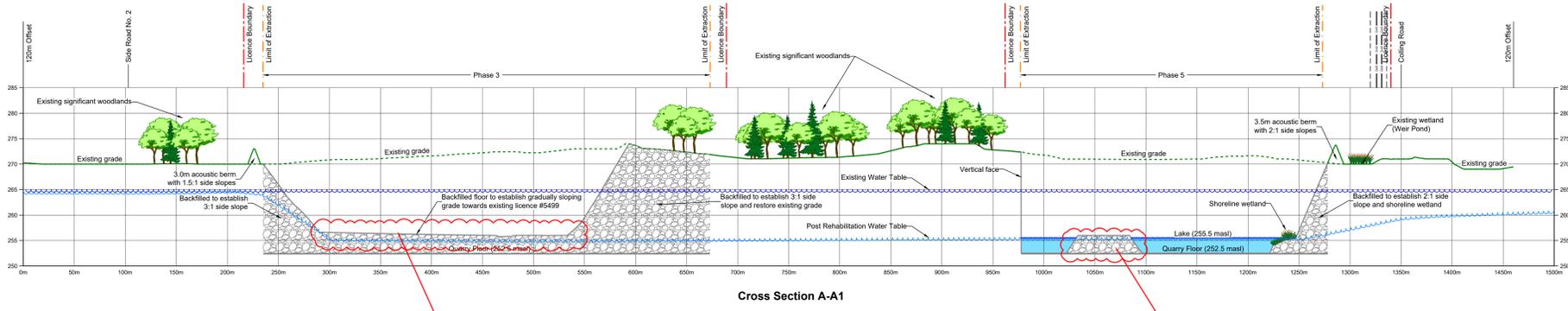


**This site plan identifies all of the drawing changes in red from the previous version dated September 2020. To see the site plan note changes, please refer to the Word document dated April 2021 which shows the changes in track changes.**





- Legend**
- Licence Boundary
  - Limit of Extraction
  - Existing Licence
  - Existing Limit of Extraction
  - 120m Offset From Licence Boundary
  - Existing Grade - Removed / Altered
  - Existing Grade - Undisturbed
  - Quarry Floor / Face
  - Berm
  - Existing Water Table
  - Post Rehabilitation Water Table
  - Backfilled
  - Lake or Pond



**Site Plan Amendments**

No.	Date	Description	By

**Site Plan Revisions (Pre-Licensing)**

No.	Date	Description	By
1	April 2021	Added additional cross section labels for clarity	CAP

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Project **Burlington Quarry Extension**

MNRF Licence Reference No. <b>626477</b>	Pre-approval review:
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Plan Scale: Horizontal 1:2000 Vertical 1:400	Date <b>April 2021</b>
Drawn By C.P.	File No. <b>9135D</b>
Checked By B.Z.	

File Name **Cross Sections**

Drawing No. **4 of 4**

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