

A. General

Area Calculations:

1. This site plan is prepared under the Aggregate Resources Act (ARA) for a Class 'A' Licence, Category 2.

i. Licence Area (total)
South Extension
West Extension
58.8 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.

Regional Municipality of Halton, approved June 1, 2017. The Burlington Quarry Extension lands are designated Escarpment Rural Area.

6. Land use information and structures identified on or within 120 metres of the licence boundaries were determined using

5. Land use designations on and within 120 metres of the licences are from the Niagara Escarpment Plan, Map 3 -

C. Drainage

1. Surface of

 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).
 Site Access and Fencing

1. There are four existing site accesses on Side Road No. 2 and a single existing site access on Cedar Springs Road.

2. Post and wire fencing (unless noted otherwise) exists in the locations shown on the plan view.

Google Earth Pro aerial photography captured on May 7, 2018.

F. Aggregate Related Site Features

1. 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 Sections1. See drawing 4 of 4.

H. Technical Reports - References

Adaptive Management Plan, Proposed Burlington Quarry Extension, EarthFX Inc., Savanta, and Tatham Engineering,

Agricultural Impact Assessment, Nelson Aggregate Co. Burlington Quarry Expansion, April 2020.
 Air Quality Study for Nelson Aggregate Co., Burlington Quarry Extension, BCX Environmental Consulting, March 2020.

Air Quality Study for Nelson Aggregate Co., Burlington Quarry Extension, BCX Environmental Consulting, March 2020.
 Archaeological Assessment (Stages 1, 2 & 3), Nelson Aggregates Quarry Expansion, Archaeologix Inc., August 2003.

Archaeological Assessment (Stage 4), Nelson Aggregates Quarry Expansion, Archaeologix Inc., August 2004.
 Stage 1-2 Archaeological Assessment, Proposed West Extension of the Burlington Quarry, Golder Associates,

September 2020.7. Blast Impact Analysis, Burlington Quarry Extension, Explotech Engineering Ltd, June 16, 2021.

 Cultural Heritage Impact Assessment Report, Burlington Quarry Extension, MacNaughton Hermsen Britton Clarkson Planning Limited (MHBC), June 2021.
 Financial Impact Study, Proposed Burlington Quarry Extension, Nelson Aggregates Co., September 30, 2021.

 Level 1 and 2 Hydrogeological and Hydrological Impact Assessment Report, Proposed Burlington Quarry Extension, EarthFX Incorporated, April 2020.

11. Level 1 and 2 Natural Environment Technical Report, Proposed Burlington Quarry Extension, Savanta, April 2020.

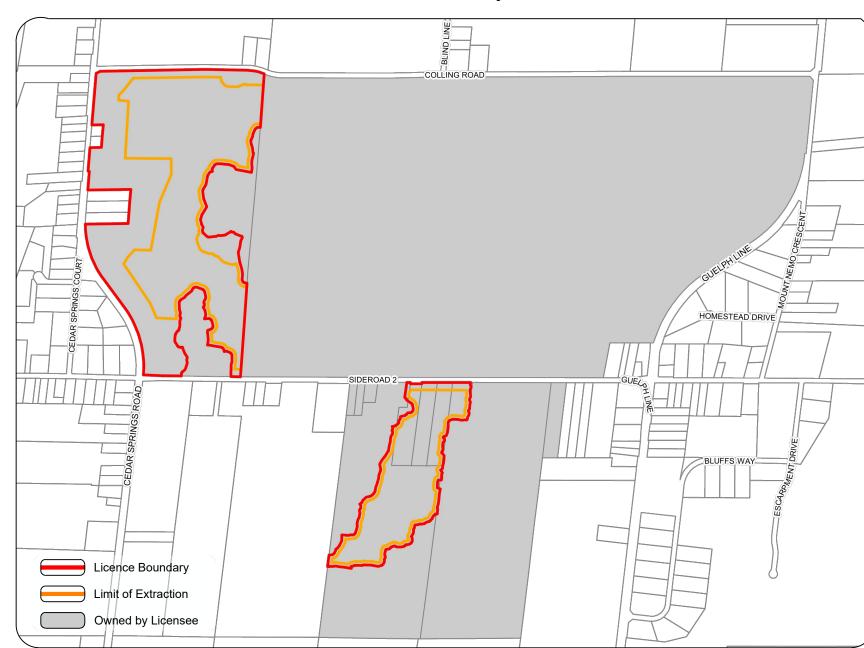
Noise Impact Assessment, Nelson Aggregate Quarry Extension, Howe Gastmeier Chapnik Limited, November 15, 2021.
 Nelson Aggregate Company, Burlington Quarry Extension Traffic Report, Paradigm Transportation Solutions Limited, February 2020.

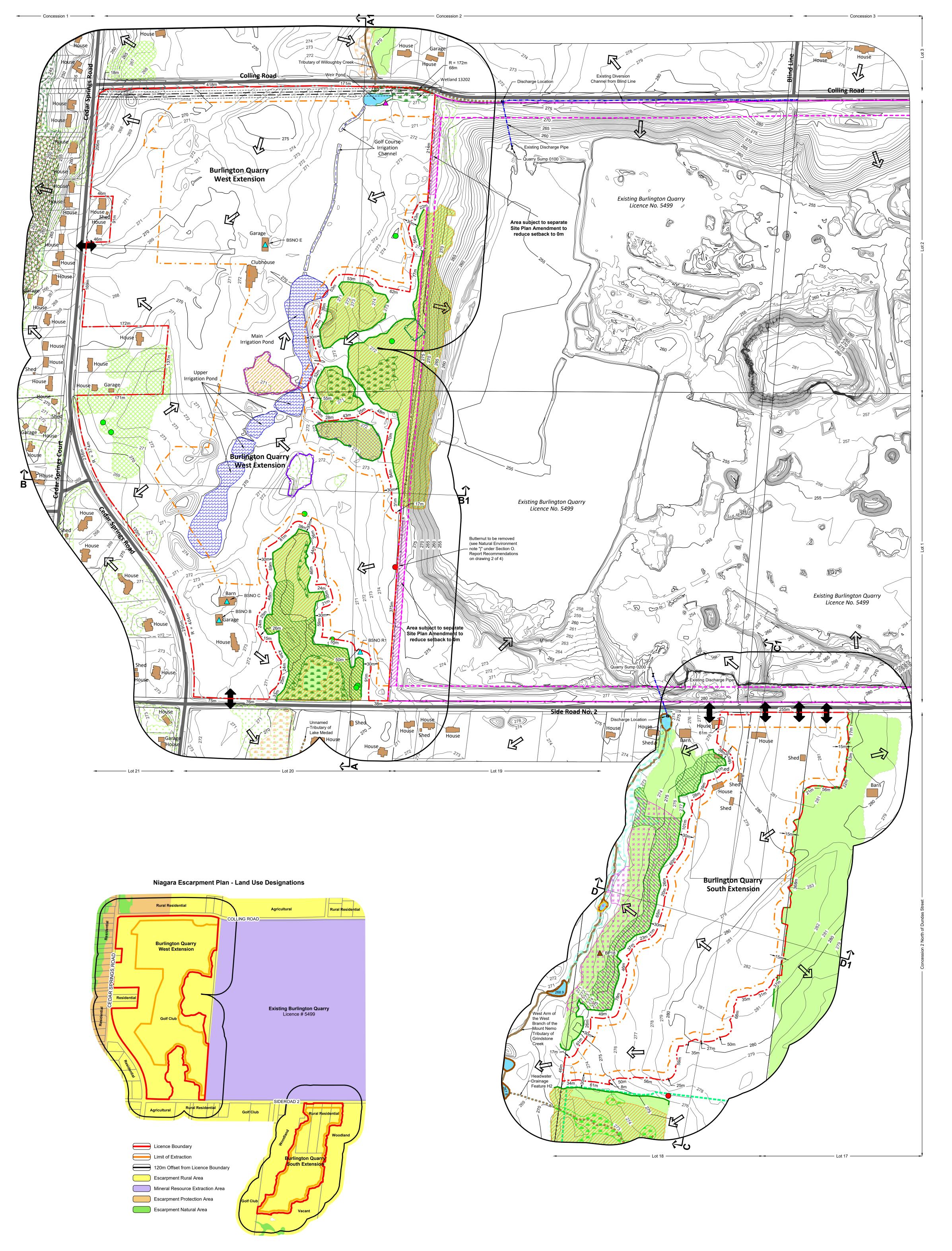
14. Surface Water Assessment, Burlington Quarry Extension, Tatham Engineering, April 2020.

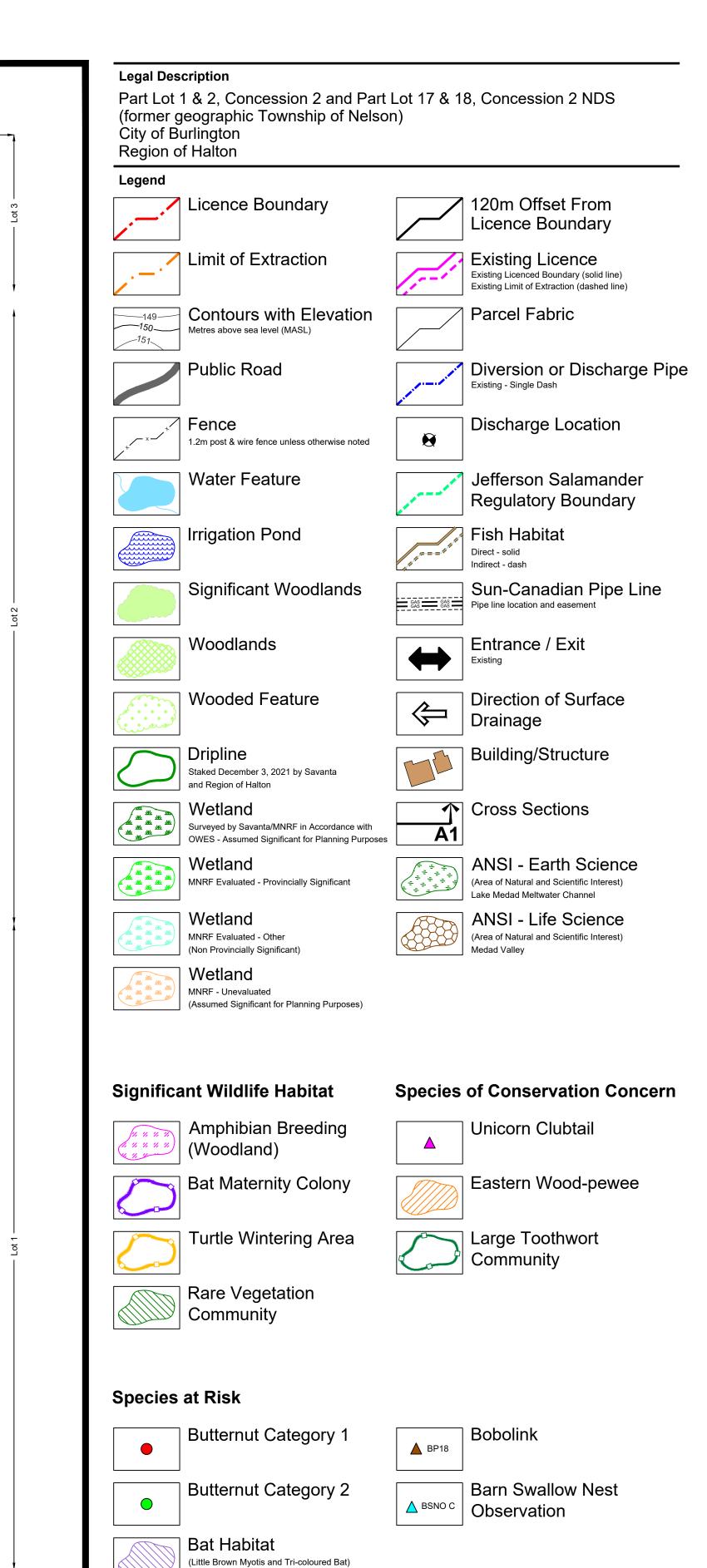
15. Visual Impact Assessment Report, Proposed Extension of the Burlington Quarry, MacNaughton Hermsen Britton Clarkson Planning Limited (MHBC), June 2021.

16. Safety Review of the Proposed Access Plan for a Proposed Quarry Extension, True North Safety Group, June 2021.









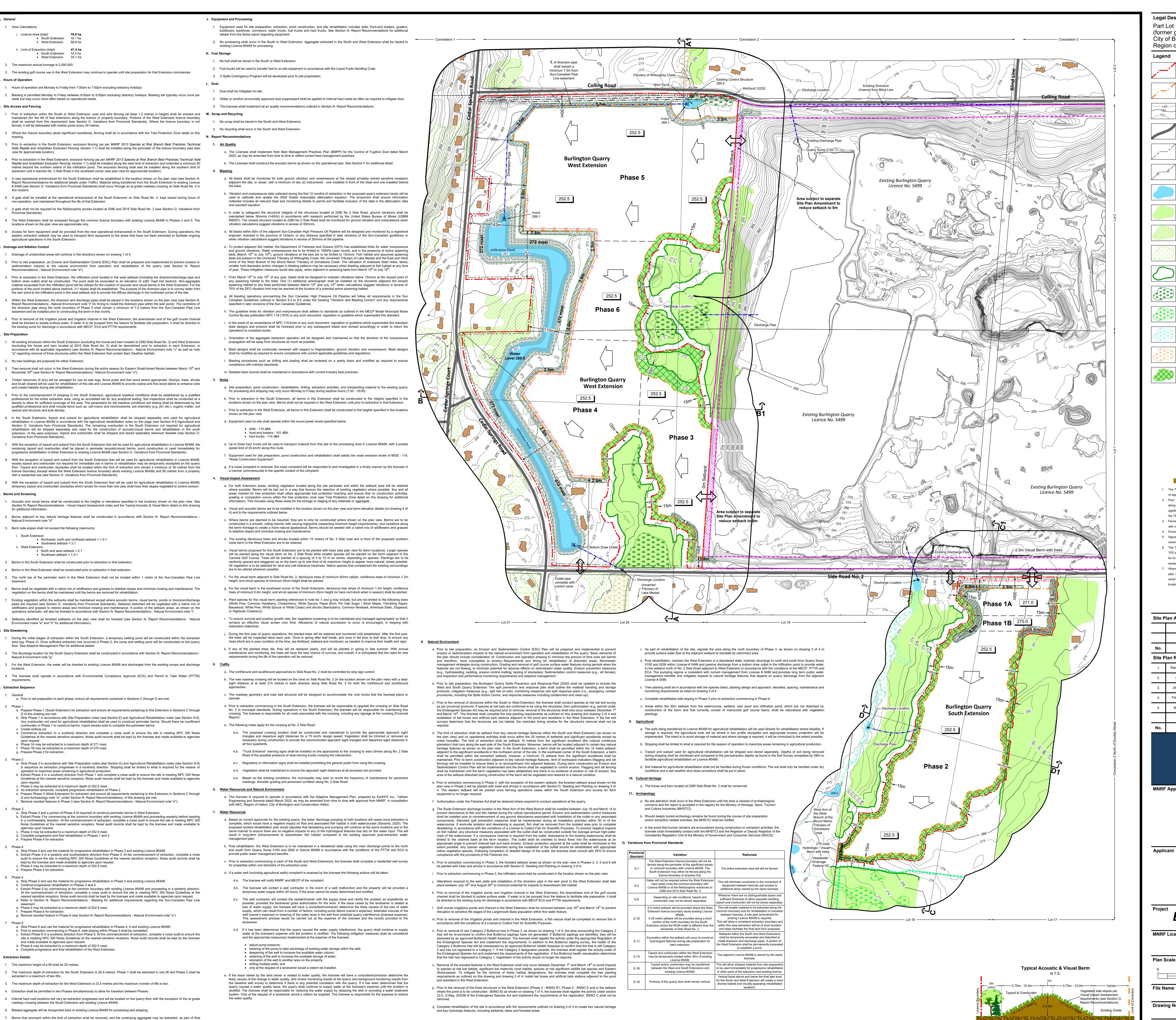


NELSON



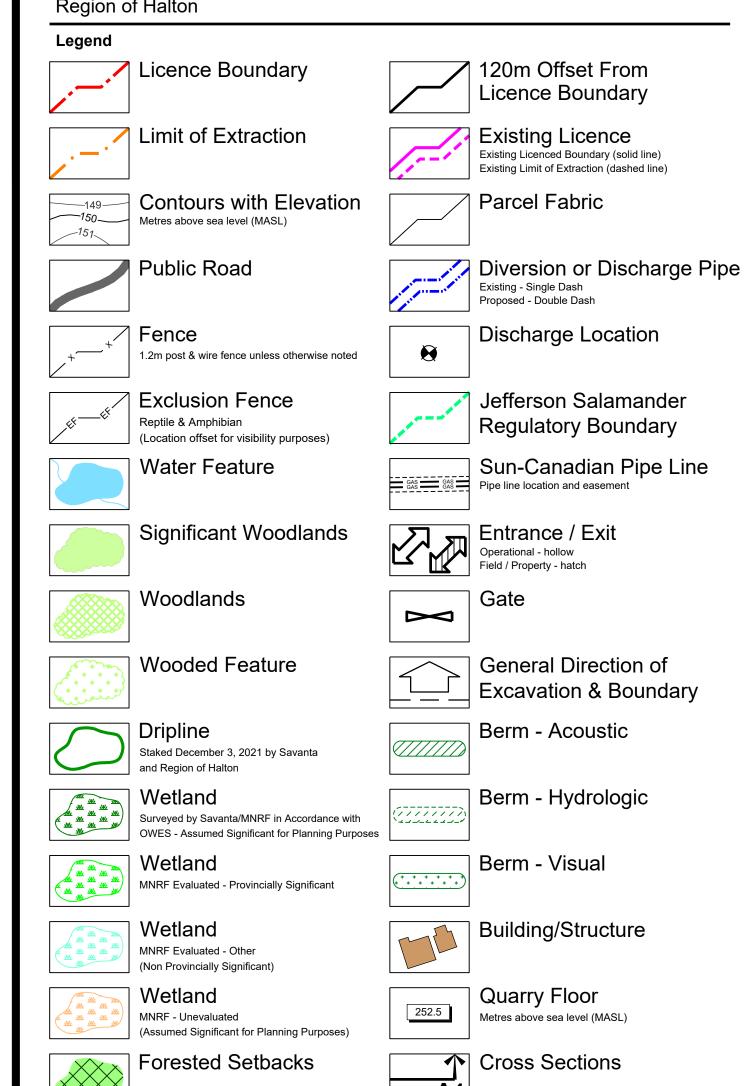
Burlington Quarry Extension

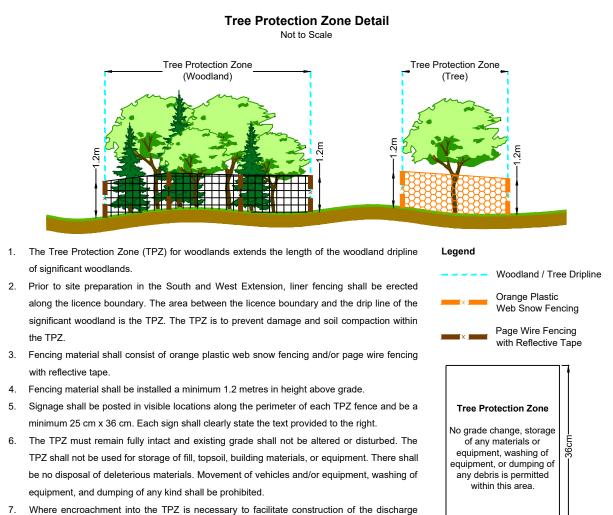
MNRF Licence Reference No.	Pre-approval review:				
626477					
Plan Scale: 1:3000 (Arch E)	Date	March 2022			
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extraction for each Extension.

Legal Description
Part Lot 1 & 2, Concession 2 and Part Lot 17 & 18, Concession 2 NDS (former geographic Township of Nelson)
City of Burlington
Region of Halton

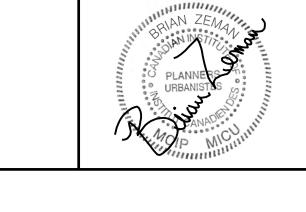


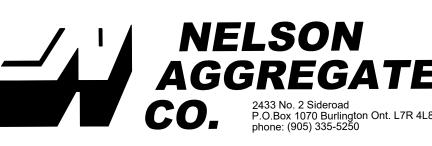


pipe, tree removal shall be kept to a minimum and the disturbed soil shall be restored with

wood chips. In this location a trail will be maintained to provide access to the discharge







Burlington Quarry Extension

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 Pre-approval review:

 626477
 Date
 March 2022

 Plan Scale: 1:3000 (Arch E)
 Drawn By
 C.P.
 File No.

 9135D

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Operational Plan

wing No. 2 of 4



provide waterfowl and turtle

loafing and bird perching and

Quarry face backfilled with overburden, rock and fill

May include lake-

overburden, rock and fill

Quarry face partially backfilled

with overburden, rock and fill

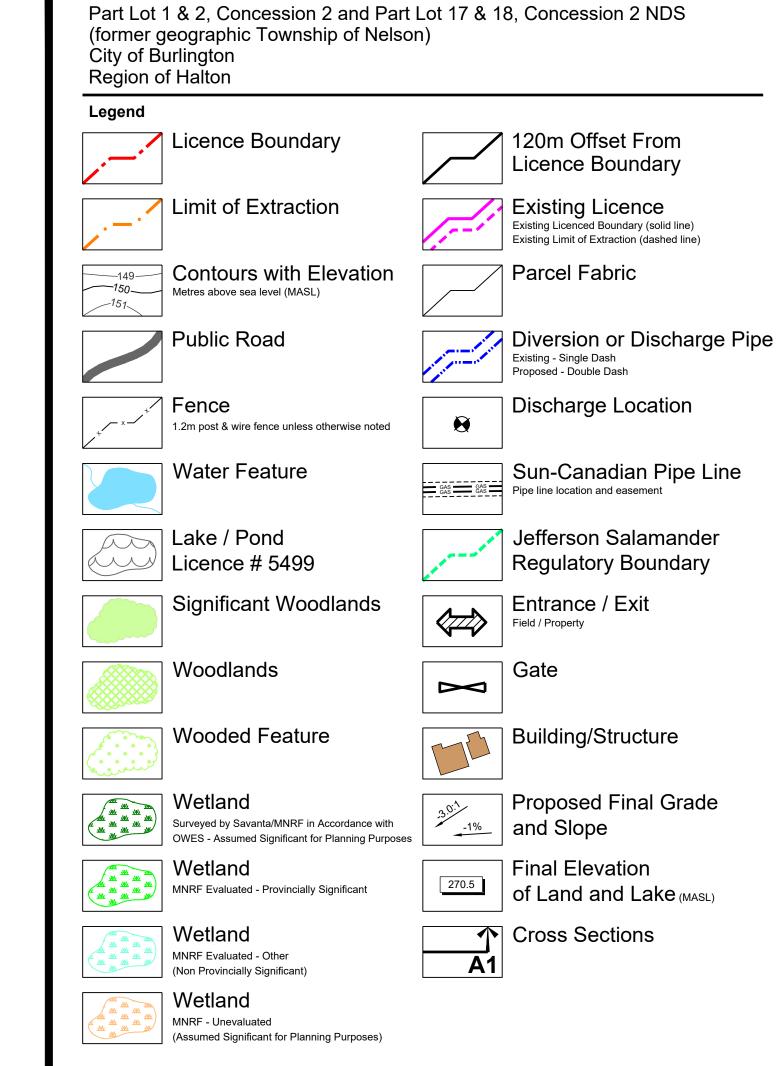
Selective blasting will create irregular

cliff faces, shelves and ledges (with_

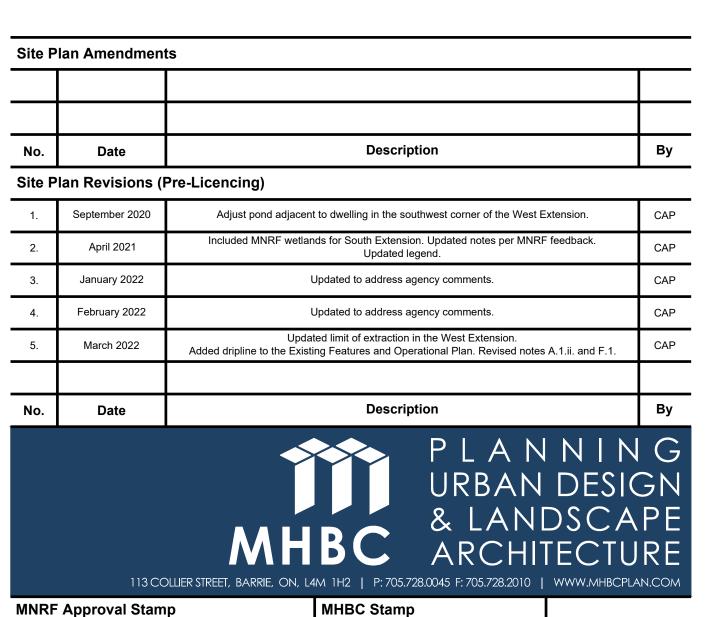
pools on exposed vertical faces) at

and below the water level

3m North Extension 18m South Extension



Legal Description



MHBC Stamp

MHBC Stamp

PLANNERS

PL





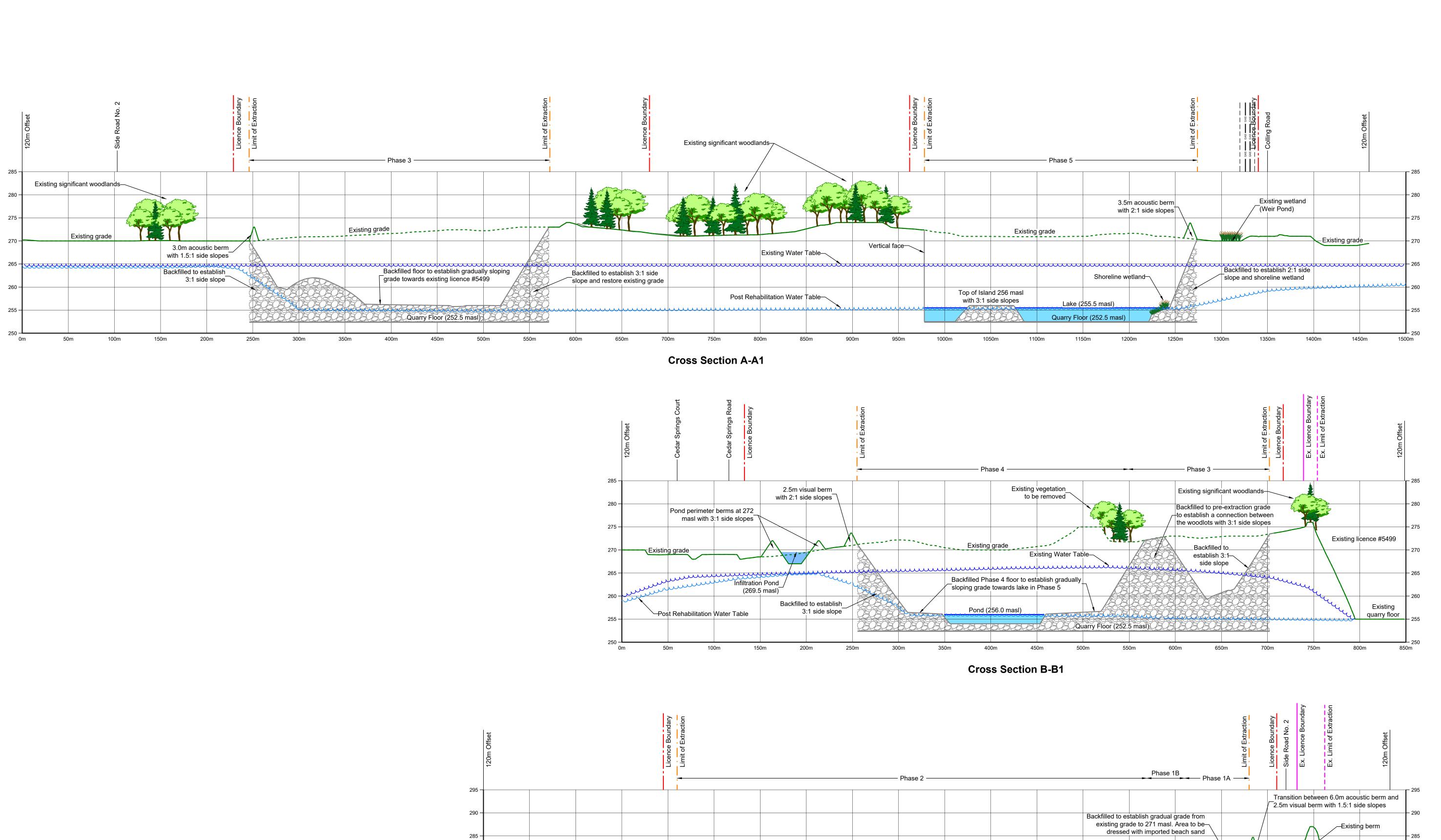
Burlington Quarry Extension

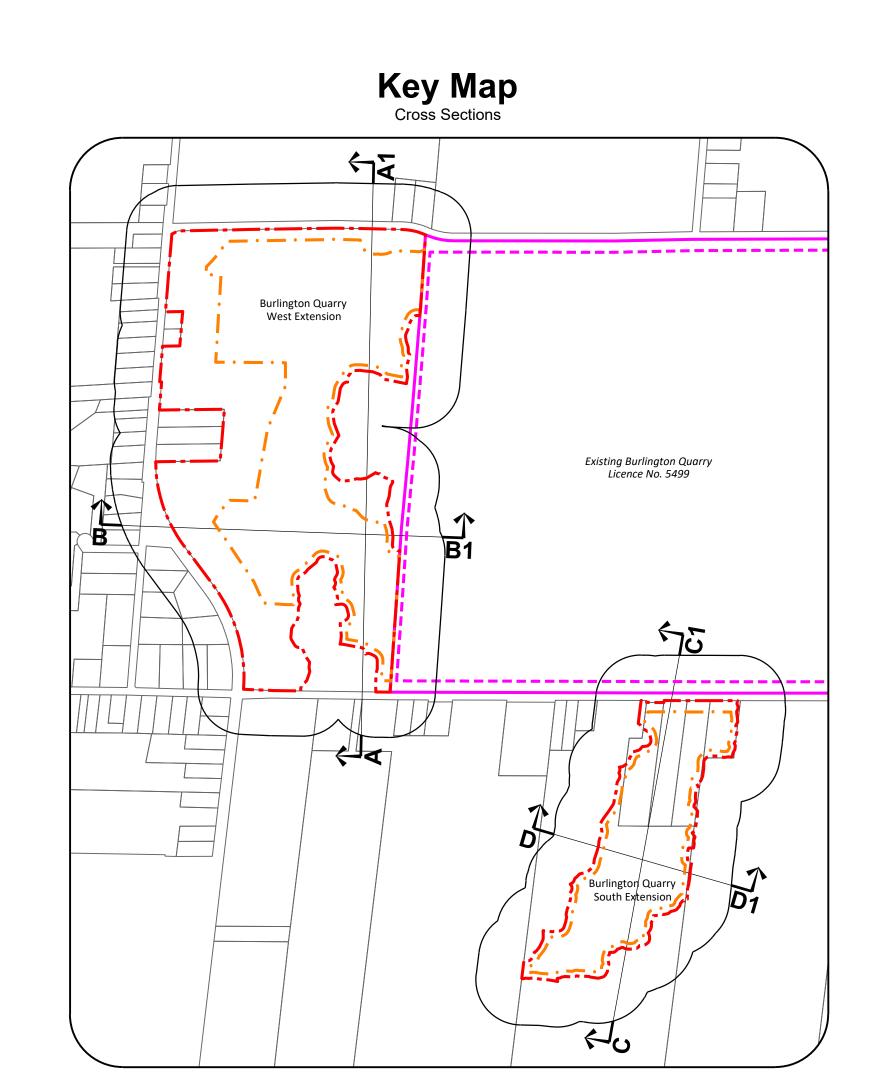
Date March 2022			
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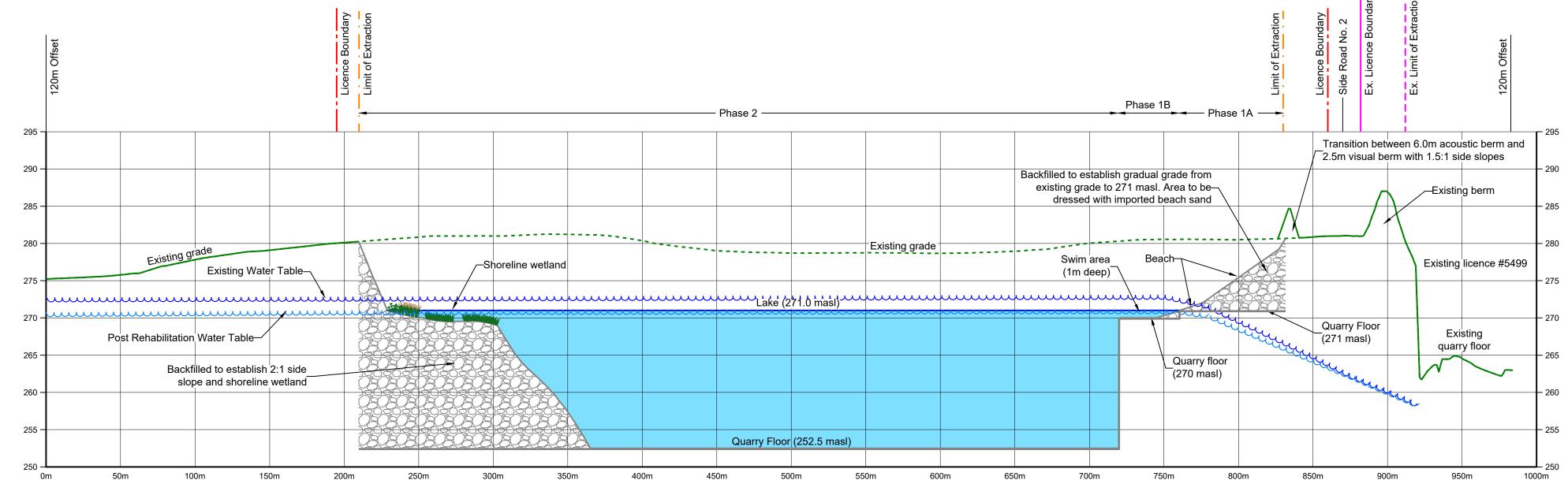
3 of 4

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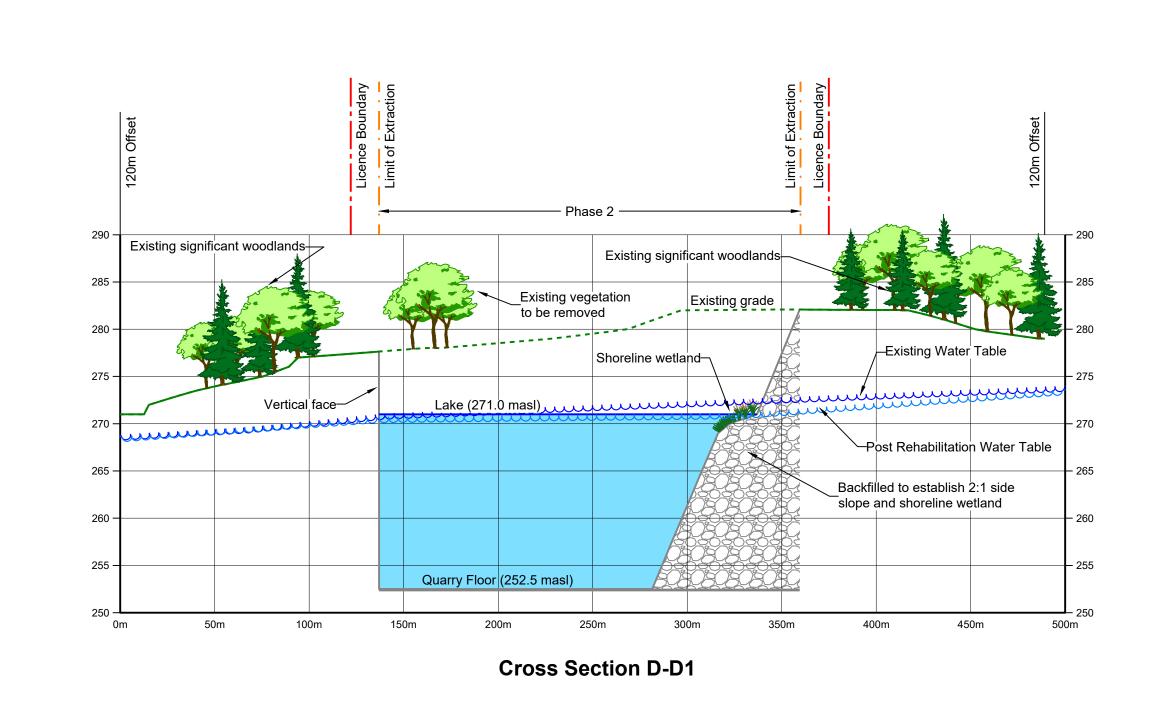
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Cross Section C-C1



Existing Water Table

Post Rehabilitation Water Table

Backfilled

Lake or Pond

Lake or Pond

Site Plan Amendments

No. Date

No. Date

April 2021

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Lakery 2022

Lighted to will one server, care

Legal Description

City of Burlington Region of Halton

(former geographic Township of Nelson)

Licence Boundary

Limit of Extraction

Existing Licence

Existing Limit of Extraction

Existing Grade - Removed / Altered

Existing Grade - Undisturbed

Quarry Floor / Face

Part Lot 1 & 2, Concession 2 and Part Lot 17 & 18, Concession 2 NDS



Updated drawings 1, 2 and 3 of 4 to address agency comments.

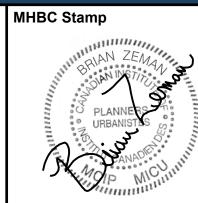
Updated limit of extraction in the West Extension.

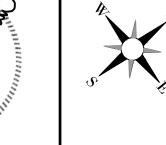
Added dripline to the Existing Features and Operational Plan.

MNRF Approval Stamp

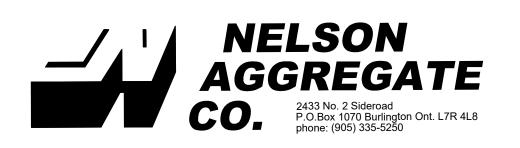
February 2022

March 2022





Applicant



Burlington Quarry Extension

Cross Sections								
	Vertical	1:400	Checked By	B.Z.		91350		
	Horizontal	1:2000	Drawn By	C.P.	File No.	9135D		
Plan Scale:			Date March 2022					
	626477							
MNRF Licence Reference No.			Pre-approval review:					

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