

**Legend**

	Licence Boundary		120m Offset From Licence Boundary
	Limit of Extraction		Existing Licence Existing Line of Extraction (solid line) Existing Line of Extraction (dashed line)
	Contours with Elevation Metres above sea level (MASL)		Parcel Fabric
	Public Road		Diversion or Discharge Pipe Existing - Single Dash
	Fence 1.2m post & wire fence unless otherwise noted		Discharge Location
	Water Feature		Jefferson Salamander Regulatory Boundary
	Irrigation Pond		Fish Habitat Direct - solid Indirect - dash
	Significant Woodlands		Sun-Canadian Pipe Line Pipe line location and easement
	Woodlands		Entrance / Exit Existing
	Wooded Feature		Direction of Surface Drainage
	Wetland Assessed by Savanta/MNRF in accordance with OWES - Assumed Significant for Planning Purposes		Building/Structure
	Wetland MNRF Evaluated - Provincially Significant		Cross Sections A1
	Wetland MNRF Evaluated - Other (Not Provincially Significant)		ANSI - Earth Science (Area of Natural and Scientific Interest) Lake Mead Wetland Channel
	Wetland MNRF - Unassessed (Assumed Significant for Planning Purposes)		ANSI - Life Science (Area of Natural and Scientific Interest) Medea Valley

**Significant Wildlife Habitat**

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

**Species at Risk**

	Butternut Category 1
	Butternut Category 2
	Bobolink
	Barn Swallow Nest Observation
	Bat Habitat (Little Brown Myotis and Tri-coloured 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 MNRF wetlands for South Extension. Added Significant Wildlife Habitat, Species of Conservation Concern and Species at Risk. Update legend.	CAP
3.	January 2022	Updated to address agency comments.	CAP
4.	February 2022	Updated to address agency comments.	CAP

**MHBC** PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE  
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MNRF Approval Stamp MHBC Stamp

# DRAFT

Applicant: **NELSON AGGREGATE CO.**  
 2433 No. 2 Stenroad  
 P.O. Box 1077 Burlington Ont. L7R 4L8  
 phone: (905) 335-5250

Project: **Burlington Quarry Extension**

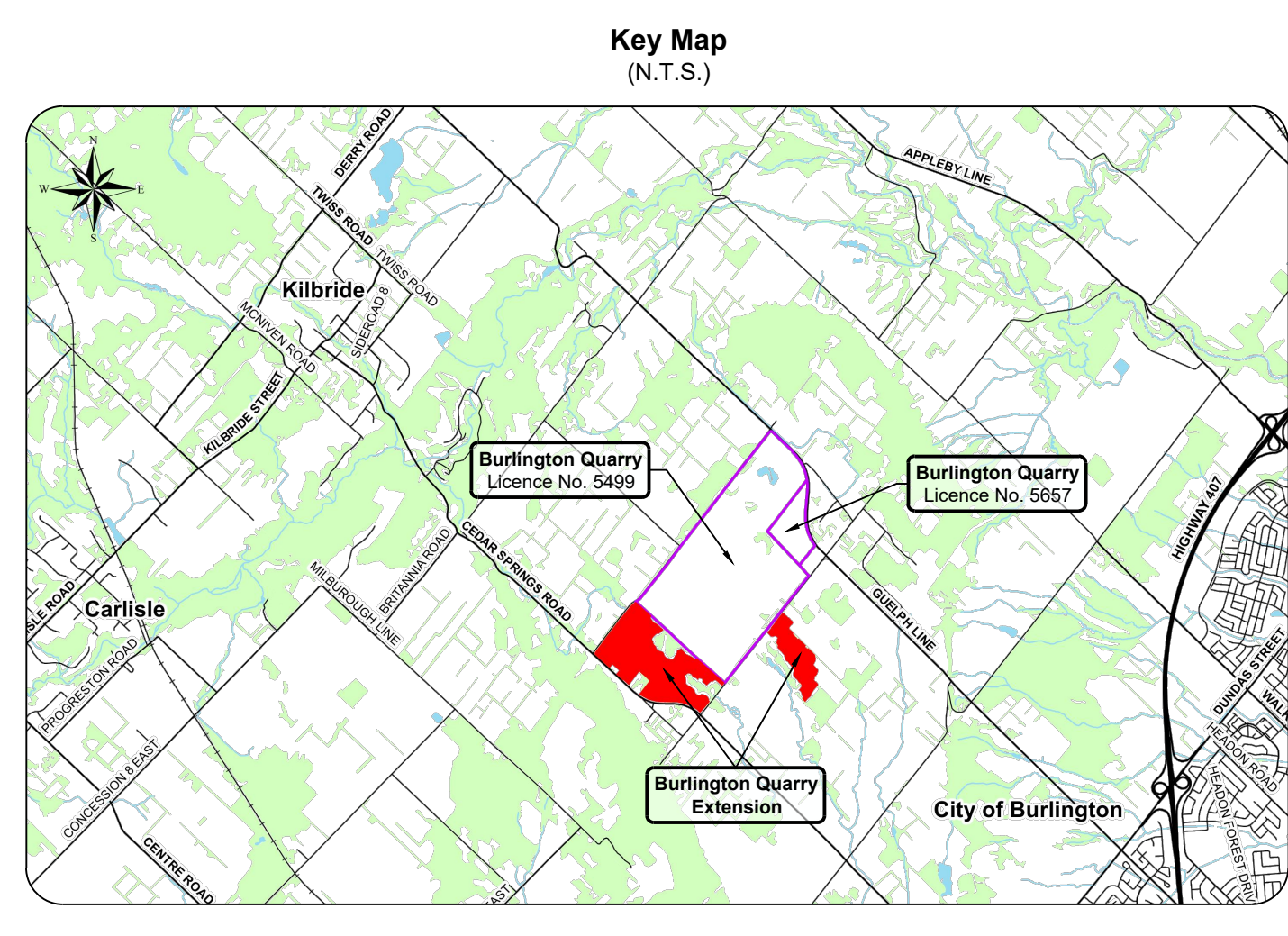
MNRF Licence Reference No. 626477	Pre-approval review:
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Plan Scale: 1:3000 (Arch E)	Date: February 2022
0 100 200 Meters	Drawn By: C.P. File No.: 9135D
	Checked By: B.Z.

File Name: **Existing Features**

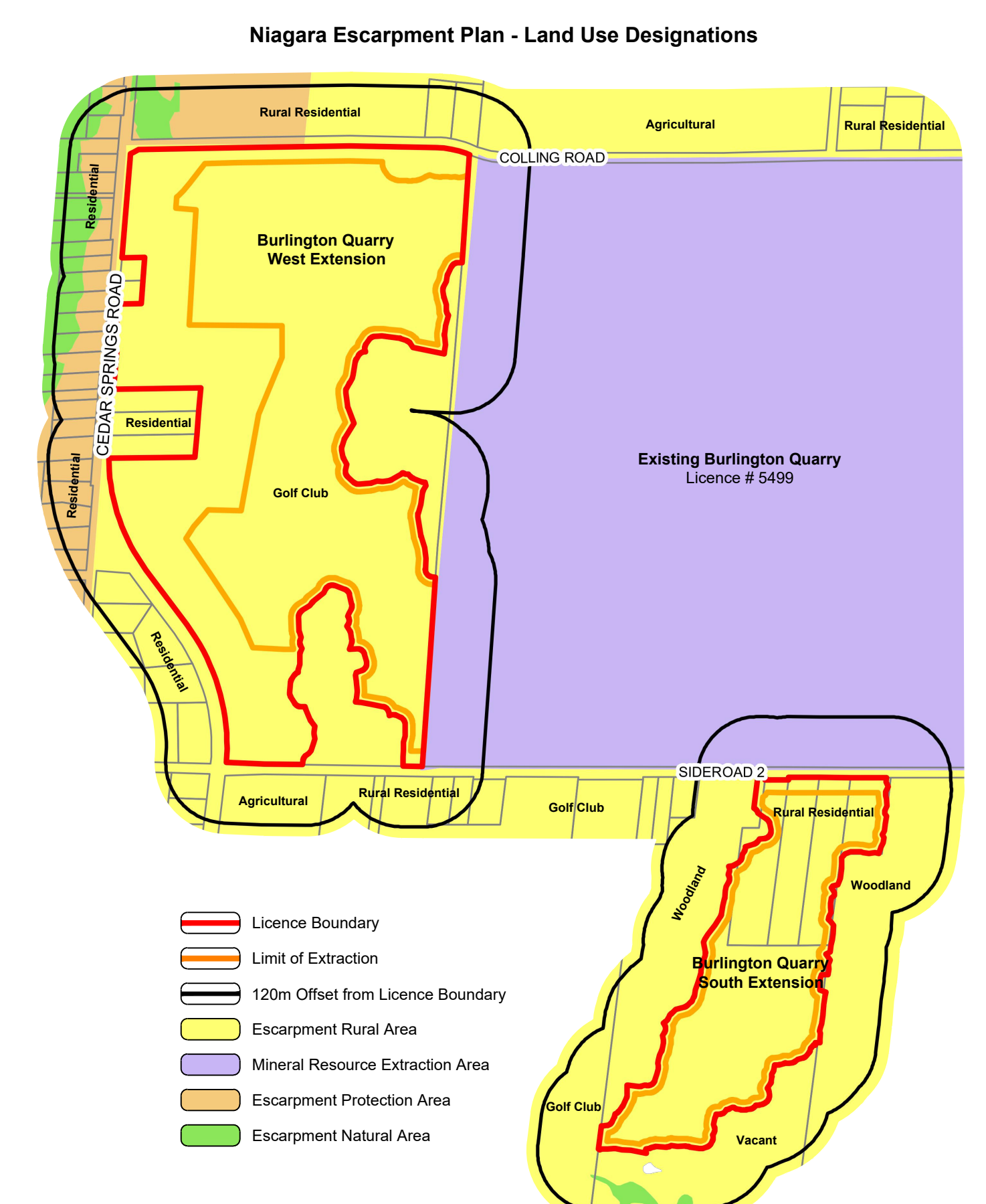
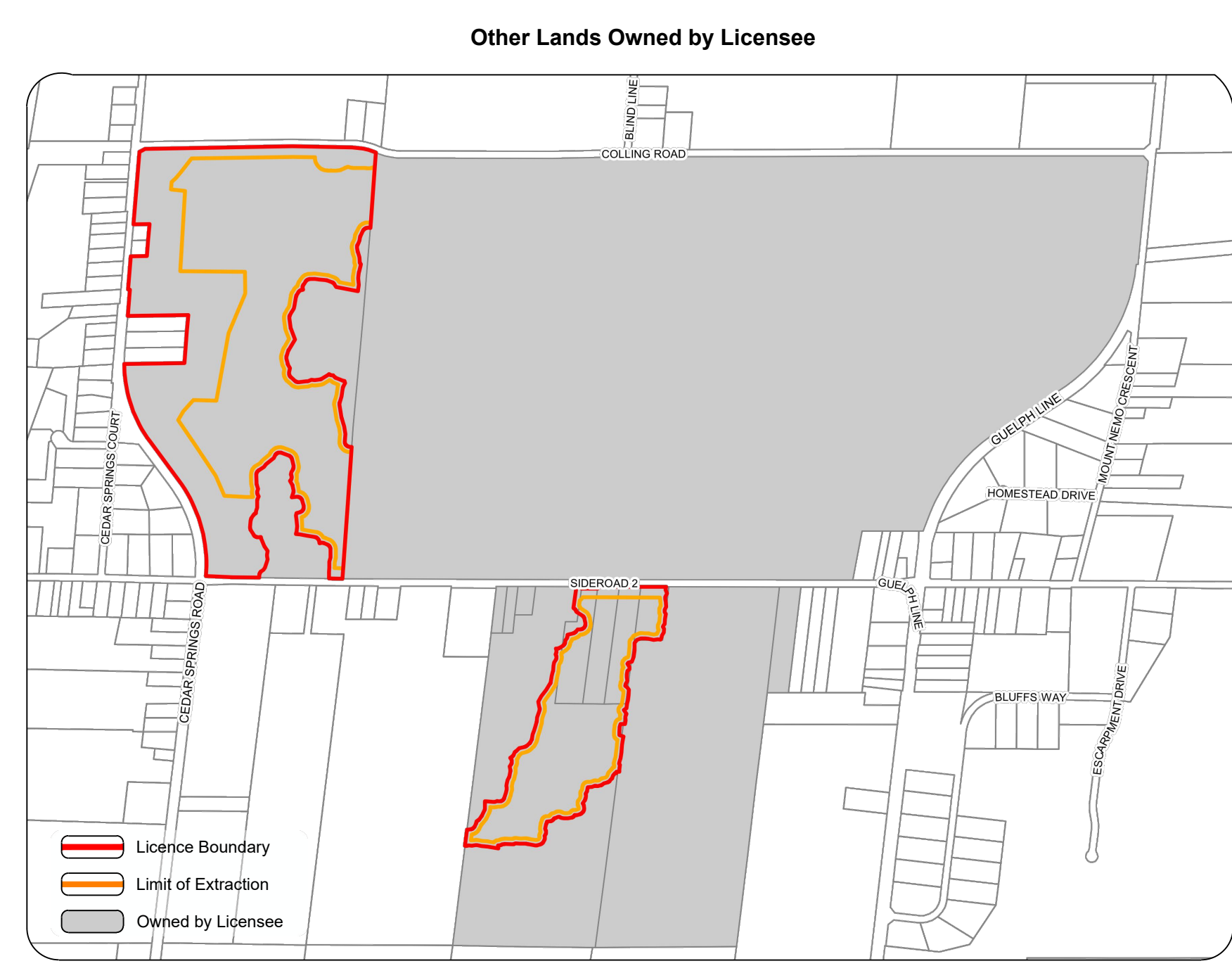
Drawing No.: **1 of 4**

File Path: N:\Burlington\155D-Nelson - Project Sideway\Drawings\ARA Site Plan\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)	76.9 ha
• South Extension	18.1 ha
• 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 GeosHub (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 (metres), 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, BCX Environmental Consulting, March 2020.
  - Archaeological Assessment (Stages 1, 2 & 3), Nelson Aggregates Quarry Expansion, Archaeologic Inc., August 2003.
  - Archaeological Assessment (Stage 4), Nelson Aggregates Quarry Expansion, Archaeologic Inc., August 2004.
  - Stage 1-2 Archaeological Assessment, Proposed West Extension of the Burlington Quarry, Golder Associates, September 2020.
  - Bluff Impact Analysis, Burlington Quarry Extension, Ecletech Engineering Ltd. June 16, 2021.
  - Cultural Heritage Impact Assessment Report, Burlington Quarry Extension, MacNaughton Hermsen Britton Clarkson Planning Limited (M-HBC), 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.
  - Level 1 and 2 Natural Environment Technical Report, Proposed Burlington Quarry Extension, Savanta, April 2020.
  - Noise Impact Assessment, Nelson Aggregate Quarry Extension, Howe Gastmeier Chapkin Limited, November 15, 2021.
  - 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 Hermsen Britton Clarkson Planning Limited (M-HBC), June 2021.
  - Safety Review of the Proposed Access Plan for a Proposed Quarry Extension, True North Safety Group, June 2021.



Concession 2 North of Dundas Street

**A. General**

- Area Calculations:
  - Licence Area (Total): 78.9 ha
  - South Extension: 18.7 ha
  - West Extension: 58.8 ha
- Limit of Extraction (Total): 48.5 ha
  - South Extension: 14.2 ha
  - West Extension: 34.3 ha

2. The maximum annual tonnage is 2,000,000.

3. The existing golf course use in the West Extension may continue to operate until site preparation for that Extension commences.

**B. Hours of Operation**

- Hours of operation are Monday to Friday from 7:00am to 7:00pm operating statutory holidays.
- Blasting is permitted Monday to Friday from 7:00am to 6:00pm excluding statutory holidays. Blasting will typically occur once per week but may occur more often based on operational needs.
- The licensee shall implement an air quality management program to site preparation.

**C. Site Access and Fencing**

- For extraction within the South or West Extension, post and wire fencing (not less than 1.2 metres in height) shall be erected and maintained (to the full extent) along the licence or property boundary. Portions of the West Extension licence boundary shall be exempt from the requirement (see Section O, Variations from Provincial Standards). Where the licence boundary is not fenced, it shall be delineated with corner posts every 20 metres.
- Where the licence boundary abuts significant woodlands, fencing shall be in accordance with the Tree Protection Zone set out in this drawing.
- For extraction in the South Extension, extraction fencing (as per MNRF 2013 Species at Risk Branch Best Practices Technical Note Rights and Acquisition - Excavation during Section 11) shall be installed along the perimeter of the licence boundary (see plan view for approximate location).
- For extraction in the South Extension, extraction fencing (as per MNRF 2013 Species at Risk Branch Best Practices Technical Note Rights and Acquisition - Excavation during Section 11) shall be installed along the west end of extraction and extend a minimum 50 metres beyond the northern limit of the infiltration pond. The extraction fencing shall also be installed along the southern limit of extraction until it reaches No. 2 Side Road in the south extension (see plan view for approximate location).
- A new operational area for the South Extension shall be established in the location shown on the plan view (see Section N, Report Recommendations for additional details). Traffic, material being transferred from the South Extension to existing Licence #5499 (see Section O, Variations from Provincial Standards) shall occur through an at-grade roadway crossing on Side Road No. 2 in this location.
- A gate shall be installed at the operational area of the South Extension on Side Road No. 2, kept closed during hours of non-operation, and maintained throughout the life of that Extension.
- A gate shall not be required for the footpath access located at 2300 and 2015 Side Road No. 2 (see Section O, Variations from Provincial Standards).
- The West Extension shall be accessed through the common licence boundary with existing Licence #5499 in Phases 3 and 5. The locations shown on the plan view are approximate only.
- Access to farm equipment shall be provided from the new operational area in the South Extension. During operation, the access extraction vehicle may be used to transport farm equipment to the area that has not been excavated to facilitate ongoing agricultural operations in the South Extension.

**D. Drainage and Erosion Control**

- Drainage of undisturbed areas will continue in the directions shown on drawing 10.4.
- Prior to site preparation, an Erosion and Sedimentation Control (ESC) Plan shall be prepared and implemented to prevent erosion and sedimentation during construction of the new extraction and processing area. The ESC Plan shall be subject to the licensee's Erosion and Sedimentation Control (ESC) Plan shall be prepared and implemented to prevent erosion and sedimentation during construction of the new extraction and processing area. The ESC Plan shall be subject to the licensee's Erosion and Sedimentation Control (ESC) Plan shall be prepared and implemented to prevent erosion and sedimentation during construction of the new extraction and processing area.
- For extraction in the West Extension, the infiltration pond located in the location shown on the plan view (including the improvement to drainage pipe and bottom draw outlet) shall be constructed. The pond shall be excavated to an elevation of +287 m into bedrock. Non-aggregate material shall be placed in the infiltration pond to provide a filter. The pond shall be excavated to an elevation of +287 m into bedrock. Non-aggregate material shall be placed in the infiltration pond to provide a filter. The pond shall be excavated to an elevation of +287 m into bedrock. Non-aggregate material shall be placed in the infiltration pond to provide a filter.
- Within the West Extension, the diversion and discharge pipes that shall be placed in the locations shown on the plan view (see Section N, Report Recommendations - Natural Environment note "T" for siting in the diversion ponds within the west pond). The centreline of the diversion pipe along the north boundary of Phase 7 shall remain a minimum of 7.5 metres from the Sun-Canadian Pipe Line easement and be installed prior to constructing the berm in this vicinity.
- Prior to removal of the irrigation ponds and irrigation channel in the West Extension, the downstream end of the golf course channel bed shall be located to isolate surface water. It will be to be compacted and finished to facilitate site preparation. It shall be directed to the existing sump for discharge in accordance with MECP, ECA and PTTW requirements.

**E. Site Preparation**

- All existing structures within the South Extension (including the house and barn located at 2300 Side Road No. 2) and West Extension (including the house and barn located at 2015 Side Road No. 2) shall be demolished prior to extraction in each Extension, in accordance with all applicable regulations (see Section N, Report Recommendations - Natural Environment note "C" as well as note "T" regarding removal of three structures within the West Extension located on Sun-Canadian property).
- No new buildings are proposed for either Extension.
- The removal shall not occur in the West Extension during the active season for Eastern Small-Sided Myths between March 15<sup>th</sup> and November 30<sup>th</sup> (see Section N, Report Recommendations - Natural Environment note "V").
- Timber removal (if any) will be managed for use as logs, fence posts and fuel wood where appropriate. Stumps, trees, stumps and brush cleared will be used for rehabilitation of the site and Licence #5499 to provide cover and fire wood storage. Stumps and brush shall be removed during site rehabilitation.
- Prior to the commencement of stripping to the surface extraction area, siting a single unit for any analytical testing. Soil sampling shall be conducted in the area to be prepared for the surface extraction area. The preparation for the baseline conditions will be determined by a qualified professional and the testing in the area shall be conducted on soil and rock samples and soil and rock samples, metal, mercury, nitrate, nitrite, phosphorus, copper, lead, zinc, cadmium, chromium, nickel, barium, selenium, and other metals and metalloids.
- In the South Extension, topsoil and subsoil for agricultural rehabilitation shall be stripped separately and used for agricultural rehabilitation in Licence #5499 in accordance with the agricultural rehabilitation notes on the plan view (see Section N, Report Recommendations - Natural Environment note "T"). The remaining overburden in the West Extension not required for agricultural rehabilitation will be stripped separately and used for the construction of additional berms in the West Extension. In the West Extension, topsoil and subsoil shall be stripped and stored separately wherever feasible (see Section O, Variations from Provincial Standards).
- With the exception of topsoil and subsoil from the South Extension that will be used for agricultural rehabilitation in Licence #5499, the remaining topsoil and overburden shall be placed in perimeter agricultural berms, post construction and used immediately for agricultural rehabilitation in the West Extension or existing Licence #5499 (see Section O, Variations from Provincial Standards).
- With the exception of topsoil and subsoil from the South Extension that will be used for agricultural rehabilitation in Licence #5499, the remaining topsoil and overburden shall be placed in perimeter agricultural berms, post construction and used immediately for agricultural rehabilitation in the West Extension or existing Licence #5499 (see Section O, Variations from Provincial Standards).
- With the exception of topsoil and subsoil from the South Extension that will be used for agricultural rehabilitation in Licence #5499, the remaining topsoil and overburden shall be placed in perimeter agricultural berms, post construction and used immediately for agricultural rehabilitation in the West Extension or existing Licence #5499 (see Section O, Variations from Provincial Standards).
- With the exception of topsoil and subsoil from the South Extension that will be used for agricultural rehabilitation in Licence #5499, the remaining topsoil and overburden shall be placed in perimeter agricultural berms, post construction and used immediately for agricultural rehabilitation in the West Extension or existing Licence #5499 (see Section O, Variations from Provincial Standards).

**F. Berms and Screening**

- Acoustic and visual berms shall be constructed to the heights or elevations specified in the locations shown on the plan view. See Section N, Report Recommendations - Visual Impact Assessment notes and the Typical Acoustic & Visual Berm detail on this drawing for additional information.
- Berms adjacent to key natural heritage features shall be constructed in accordance with Section N, Report Recommendations - Natural Environment note "T".
- Berm side slopes shall not exceed the following maximums:
  - South Extension:
    - Northwest, south and northeast setbacks: 1:5.1
    - Southwest setback: 2:1
  - West Extension:
    - North and west setbacks: 2:1
    - Southwest setback: 1:5.1
- Berms in the South Extension shall be constructed prior to extraction in that extension.
- Berms in the West Extension shall be constructed prior to extraction in that extension.
- The north toe of the perimeter berm in the West Extension shall not be located within 1 metre of the Sun-Canadian Pipe Line easement.
- Berms shall be vegetated with a native mix of wildflowers and grasses to stabilize slopes and minimize the non-vegetation. The vegetation on the berms shall be maintained until the berms are removed for rehabilitation.
- Existing vegetation within the setbacks shall be maintained except where acoustic berms, visual berms, ponds or diversion/discharge pipes are required (see Section O, Variations from Provincial Standards). Setbacks discussed will be vegetated with a native mix of wildflowers and grasses to stabilize slopes and minimize noise and vibration. A portion of the setback areas, as shown on the drawings, shall be vegetated in accordance with Section N, Report Recommendations - Natural Environment note "T".
- Setbacks identified as forested setbacks on the plan view shall be forested (see Section N, Report Recommendations - Natural Environment note "T" and "W" for additional information).

**G. Site Dewatering**

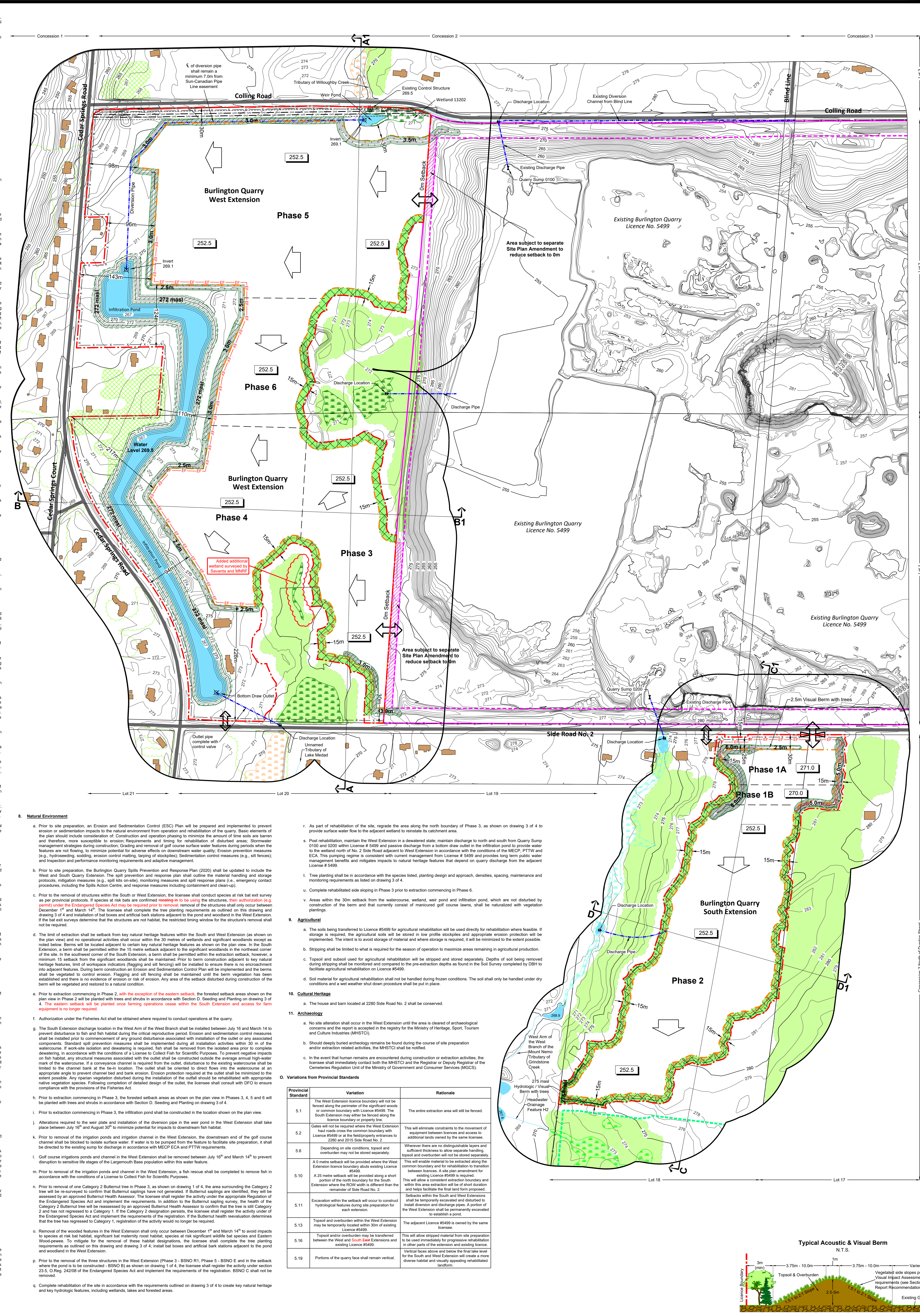
- During the initial stages of extraction within the South Extension, a temporary settling pond will be constructed within the extraction area (see Phase 2). Once sufficient extraction has occurred in Phase 2, the pump and settling pond will be constructed on the quarry (see Section N, Report Recommendations - Natural Environment note "T").
- The discharge location for the South Quarry Extension shall be constructed in accordance with Section N, Report Recommendations - Natural Environment note "T".
- For the West Extension, the water will be diverted to existing Licence #5499 and discharged from the existing sumps and discharge location (see Section N, Report Recommendations - Natural Environment note "T").
- The licensee shall operate in accordance with Environmental Compliance Approval (ECA) and Permit to Take Water (PTTW) requirements.

**H. Extraction Sequence**

- General:
  - Prior to site preparation in each phase, ensure all requirements contained in Sections C through G are met.
- Phase 1:
  - Prepare Phase 1 (South Extension) for extraction and ensure all requirements pertaining to this Extension in Section C through G of this drawing are met.
  - Site Preparation in accordance with Site Preparation notes (see Section E) and Agricultural Rehabilitation notes (see Section N) for this Extension.
  - Construction of 150 concrete berms, import access roads to the concrete berms.
  - Construction of a quarry dewatering system and complete a noise audit to ensure the site is meeting NRC 300 Noise Guidelines at the nearest sensitive receptors. Noise audit records shall be kept by the licensee and made available to agencies.
  - Phase 1A may be extracted to a maximum depth of 271 m.
  - Phase 1B may be extracted to a maximum depth of 270 m.
  - Prepare Phase 2 for extraction.
- Phase 2:
  - Site Preparation in accordance with Site Preparation notes (see Section E) and Agricultural Rehabilitation notes (see Section N) in sequence as extraction progresses in a southerly direction. Striping shall be limited to what is required for the season of extraction to maximize access to the extraction area.
  - Extract Phase 2 in a southerly direction from Phase 1 and complete a noise audit to ensure the site is meeting NRC 300 Noise Guidelines at the nearest sensitive receptors. Noise audit records shall be kept by the licensee and made available to agencies upon request.
  - Phase 2 may be extracted to a maximum depth of 252.5 m.
  - Prepare Phase 3 for extraction.
- Phase 3:
  - Site Preparation in accordance with Site Preparation notes (see Section E) and Agricultural Rehabilitation notes (see Section N) in sequence as extraction progresses in a southerly direction. Striping shall be limited to what is required for the season of extraction to maximize access to the extraction area.
  - Prepare Phase 3 (West Extension) for extraction and ensure all requirements pertaining to this Extension in Section C through G and Archaeology note "C", under Section N, Report Recommendations, of this drawing are met.
  - Remove wooded features in Phase 3 (see Section N, Report Recommendations - Natural Environment note "W").
- Phase 4:
  - Site Preparation in accordance with Site Preparation notes (see Section E) and Agricultural Rehabilitation notes (see Section N) in sequence as extraction progresses in a southerly direction. Striping shall be limited to what is required for the season of extraction to maximize access to the extraction area.
  - Prepare Phase 4 for extraction.
- Phase 5:
  - Site Preparation in accordance with Site Preparation notes (see Section E) and Agricultural Rehabilitation notes (see Section N) in sequence as extraction progresses in a southerly direction. Striping shall be limited to what is required for the season of extraction to maximize access to the extraction area.
  - Prepare Phase 5 for extraction.
- Phase 6:
  - Site Preparation in accordance with Site Preparation notes (see Section E) and Agricultural Rehabilitation notes (see Section N) in sequence as extraction progresses in a southerly direction. Striping shall be limited to what is required for the season of extraction to maximize access to the extraction area.
  - Prepare Phase 6 for extraction.
- Phase 7:
  - Site Preparation in accordance with Site Preparation notes (see Section E) and Agricultural Rehabilitation notes (see Section N) in sequence as extraction progresses in a southerly direction. Striping shall be limited to what is required for the season of extraction to maximize access to the extraction area.
  - Prepare Phase 7 for extraction.

**I. Extraction Details**

- The maximum height of a lift shall be 25 metres.
- The maximum depth of extraction for the South Extension is 255 metres. Phase 5 shall be extracted in one lift and Phase 2 shall be extracted in a maximum of two lifts.
- The maximum depth of extraction for the West Extension is 235 metres and the maximum number of lifts is three.
- Extraction shall be performed in two Phases simultaneously to allow for transition between Phases.
- Internal haul roads between lifts vary at extraction and will be located on the quarry floor with the exception of the at-grade roadway crossing between the South Extension and existing Licence #5499.
- Blasted aggregate will be transported back to existing Licence #5499 for processing and shipping.
- Berms that consist of soil to the level of extraction shall be removed, and the underlying aggregate may be extracted, as part of final 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

**Legend**

- Licence Boundary
- Limit of Extraction
- Contours with Elevation
- Public Road
- Fence
- Exclusion Fence
- Jefferson Salamander Regulatory Boundary
- Water Feature
- Significant Woodlands
- Woodlands
- Wooded Feature
- Wetland
- Wetland
- Wetland
- Wetland
- Forested Setbacks
- 120m Offset From Licence Boundary
- Existing Licence Extension
- Parcel Fabric
- Diversion or Discharge Pipe
- Discharge Location
- Sun-Canadian Pipe Line
- Entrance / Exit
- Gate
- General Direction of Excavation & Boundary
- Berm - Acoustic
- Berm - Hydrologic
- Berm - Visual
- Building/Structure
- Quarry Floor
- Cross Sections

**Tree Protection Zone Detail**

- The Tree Protection Zone (TPZ) for woodlands extends the length of the woodland stripline.
- Prior to site preparation in the South and West Extension, their fencing shall be erected along the licence boundary. The south and west extension licence boundary shall be fenced with the licence boundary. The fence shall be erected along the licence boundary and the fence shall be erected along the licence boundary.
- The TPZ shall remain fully intact and existing grass shall not be altered or disturbed.
- Fencing material shall consist of orange plastic with snow fencing and/or page wire fencing with reflective film.
- Fencing material shall be installed a minimum 1.2 metres in height above grade.
- Storage shall be placed in visible locations along the perimeter of each TPZ. There will be a minimum 30 cm gap. Each gate and closure shall be the best practice to the right.
- The TPZ shall remain fully intact and existing grass shall not be altered or disturbed.
- Where encroachment into the TPZ is necessary to facilitate construction of the discharge pipe, the removal shall be kept to a minimum and the disturbed area shall be re-vegetated with wood chips. In this location, a gate will be maintained to provide access to the discharge location.

**Site Plan Amendments**

No.	Date	Description	By
1	September 2020	Adjust pond adjacent to dwelling in the southwest corner of the West Extension.	CAP
2	April 2021	Updated notes per MNRF feedback. Added discharge location/pipe to plan view. Updated legend to include Tree Preservation Zone detail. Included MNRF wetlands for South Extension.	CAP
3	February 2022	Updated to address agency comments.	CAP
4	January 2022	Updated to address agency comments.	CAP

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

No.	Date	Description	By
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**MNRF Approval Stamp**      **MHBC Stamp**

**MHBC**  
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**DRAFT**

**PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE**

**Project: Burlington Quarry Extension**

**MNRF Licence Reference No.** 626477      **Pre-approval review:** February 2022

**Plan Scale:** 1:3000 (Arch E)      **Date:** February 2022

**Drawn By:** C.P.      **File No.:** 913SD

**Checked By:** B.Z.

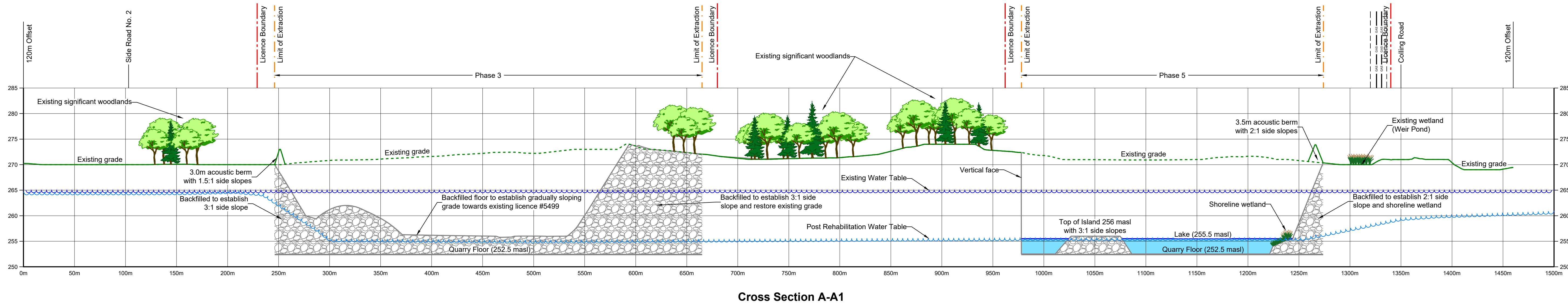
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**Drawing No.:** 2 of 4

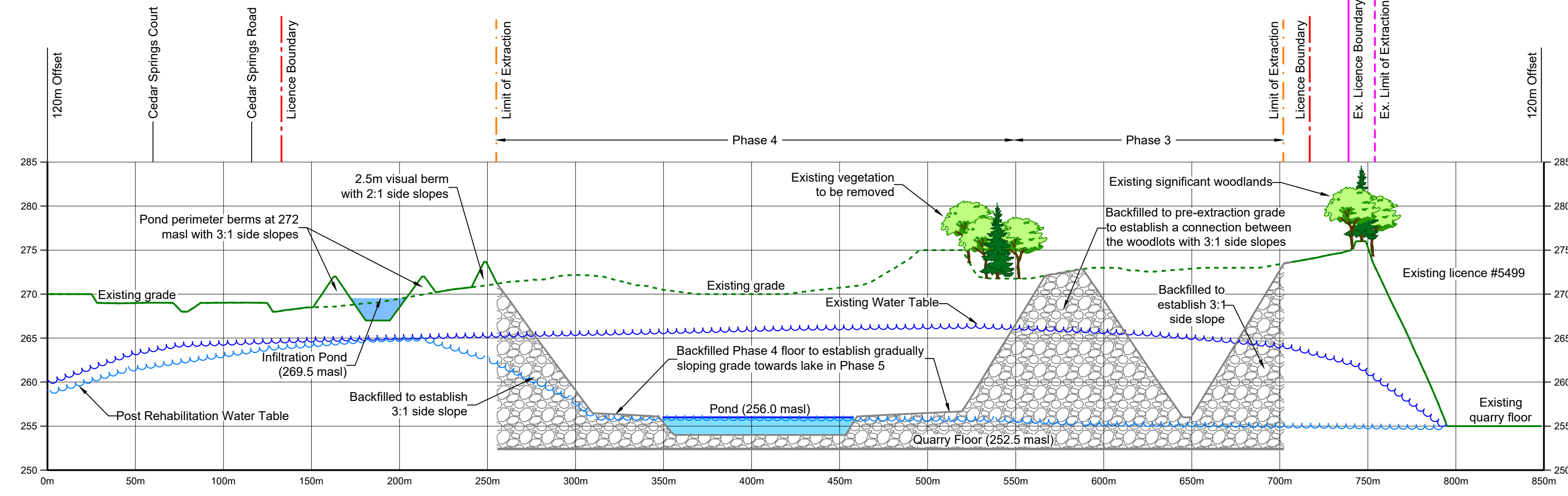
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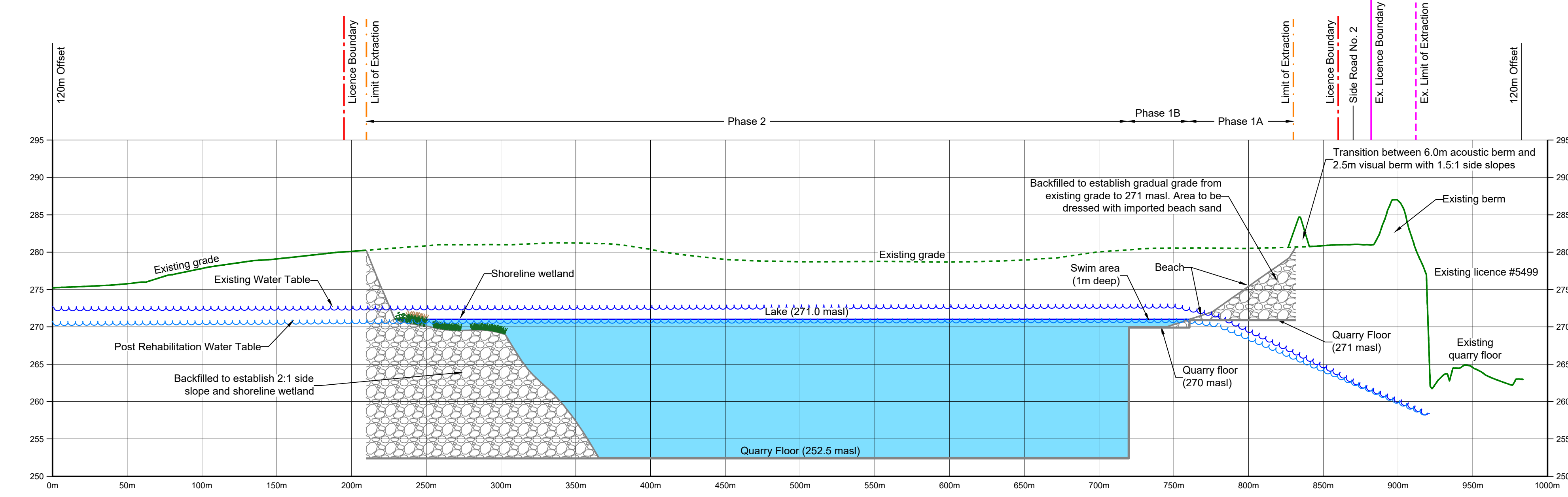
- Legend**
- Licence Boundary
  - Limit of Extraction
  - Existing Licence
  - Existing Limit of Extraction
  - 120m Offset From Licence Boundary
  - Existing Grade - Removed / Altered
  - Existing Grade - Undisturbed
  - Quarry Floor / Face
  - Berm
  - Existing Water Table
  - Post Rehabilitation Water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



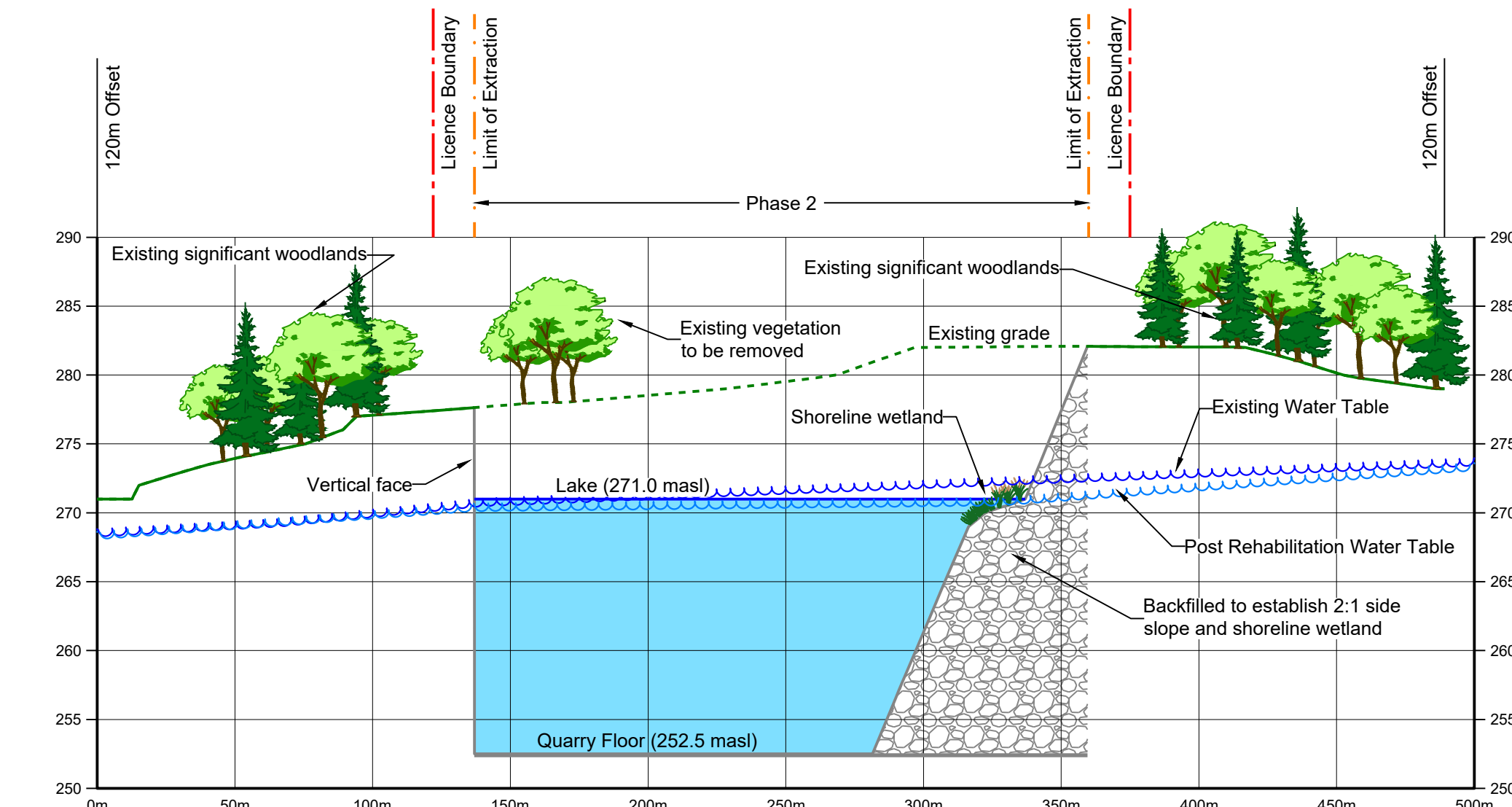
**Cross Section A-A1**



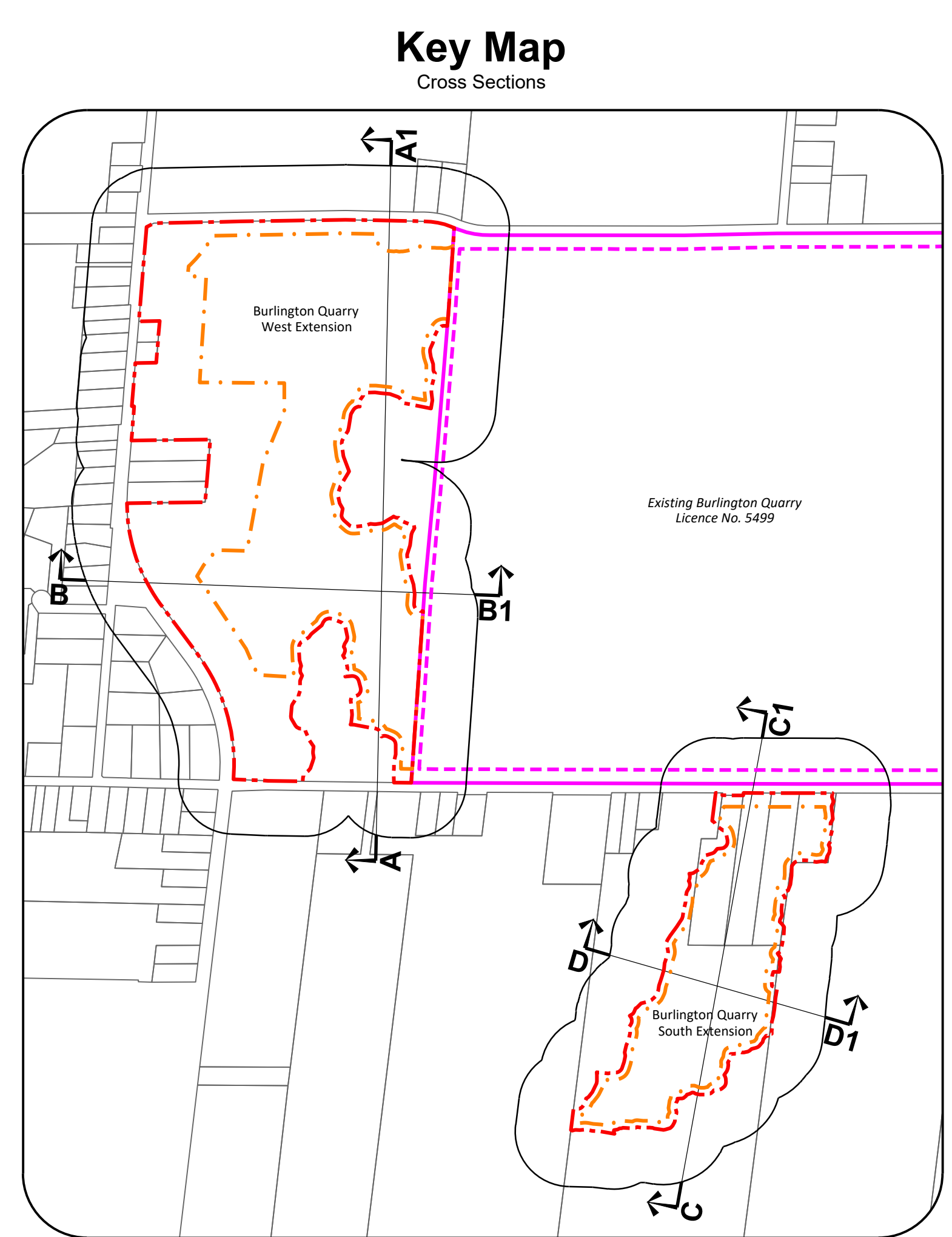
**Cross Section B-B1**



**Cross Section C-C1**



**Cross Section D-D1**



**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
2.	January 2022	Updated to address agency comments.	CAP
3.	February 2022	Updated drawings 1, 2 and 3 of 4 to address agency comments.	CAP

**MHBC**  
 PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE  
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MNRF Approval Stamp: **DRAFT**

Applicant: **NELSON AGGREGATE CO.**  
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 phone: (905) 335-5250

Project: **Burlington Quarry Extension**

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

File Name: **Cross Sections**

Drawing No.: **4 of 4**