

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 - Orange line
	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
	Dripline Based December 3, 2021 by Savanta and Region of Halton		Building/Structure
	Wetland Surveyed by Savanta/MNRF in Accordance with OWES - Assumed Significant for Planning Purposes		Cross Sections A1
	Wetland MNRF Evaluated - Provincially Significant		ANSI - Earth Science (Area of Natural and Scientific Interest) Lake Mead Wetlands Channel
	Wetland MNRF Evaluated - Other (Non Provincially Significant)		ANSI - Life Science (Area of Natural and Scientific Interest) Medea Valley
	Wetland MNRF - Un-evaluated (Assumed Significant for Planning Purposes)		

Significant Wildlife Habitat

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

Species at Risk

	Butternut Category 1		Bobolink
	Butternut Category 2		Barn Swallow Nest Observation
	Bat Habitat (516 Brown Myotis and Tricoloured Bat)		

Site Plan Amendments

No.	Date	Description	By
Site Plan Revisions (Pre-Licensing)			
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
5.	March 2022	Updated limit of extraction in the West Extension. Added dripline and setback dimensions from the dripline to the plan view. Revised note H.1.1.	CAP
6.	September 2022	Added additional assumed bat maternity colony. Revised notes H.1.1, H.1.8 & H.1.15.	CAP
7.	June 2023	Remove diversion channel along Colling Road from Blind Line on plan view. Update legend. Revised note H.1.4.	CAP

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Applicant

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

Project **Burlington Quarry Extension**

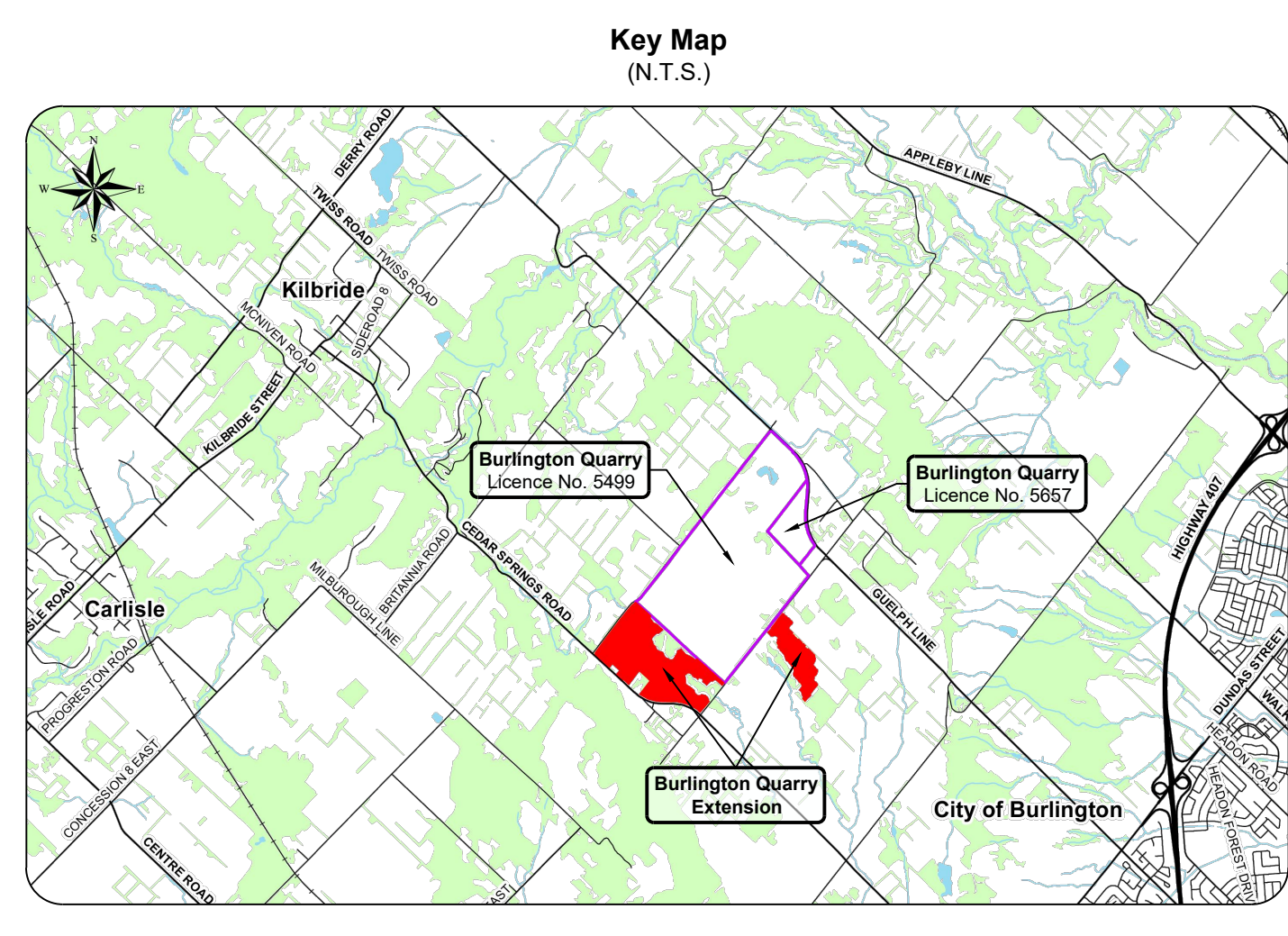
MNRF Licence Reference No.	Pre-approval review:
626477	

Plan Scale: 1:3000 (Arch E)	Date: June 2023 September 2022
0 100 200 Meters	Drawn By: C.P. File No.: 9135D
	Checked By: B.Z.

File Name **Existing Features**

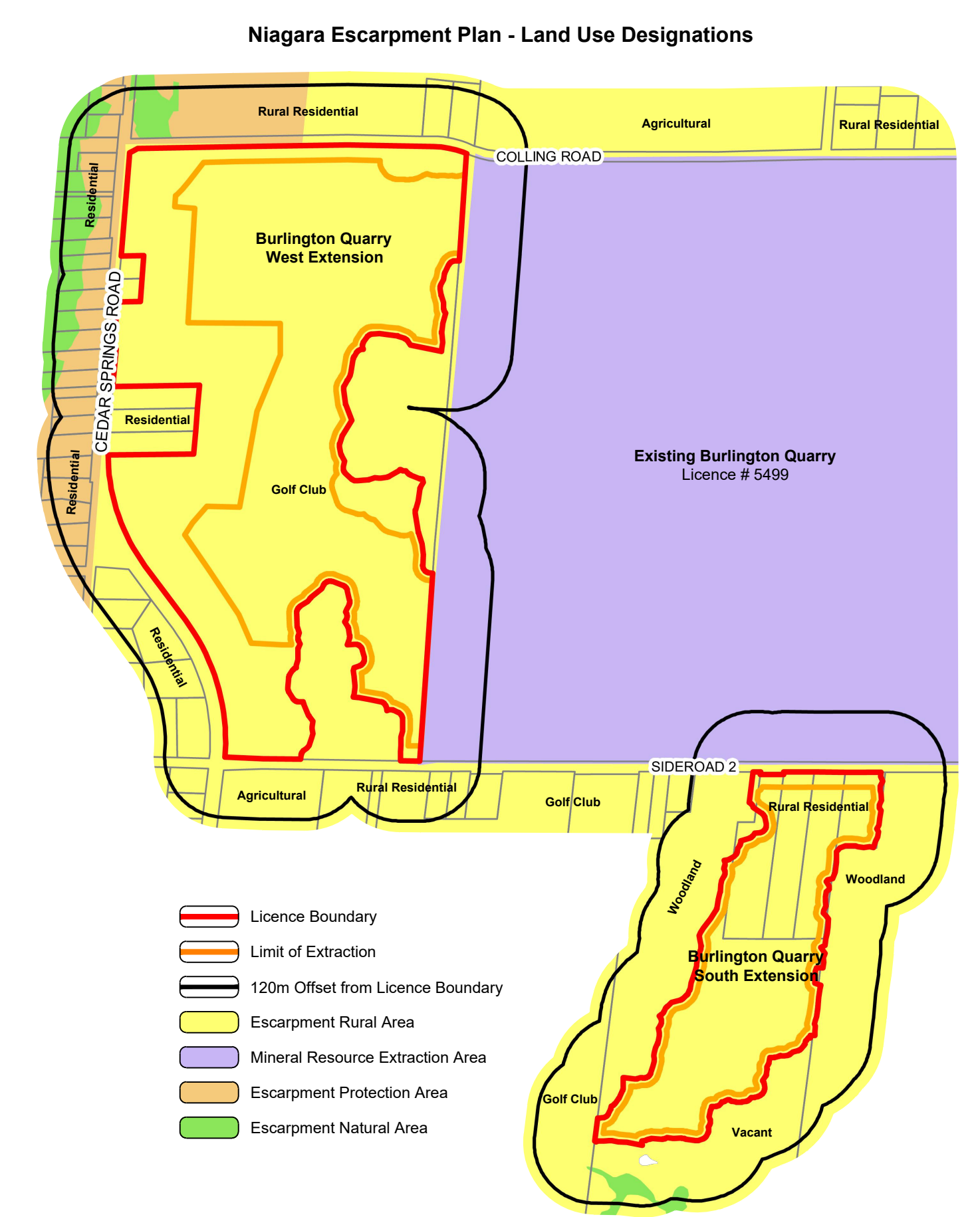
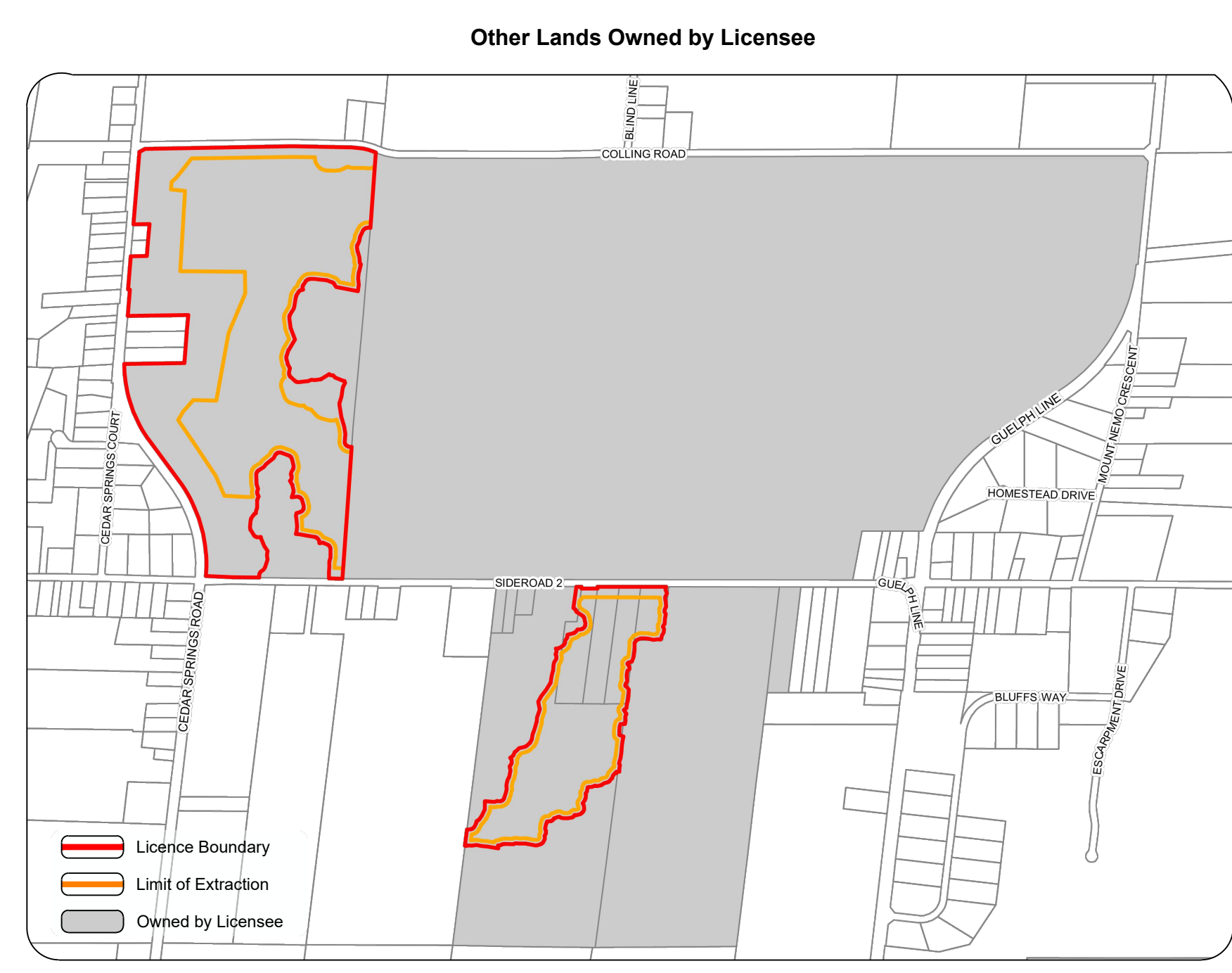
Drawing No. **1 of 4**

File Path: N:\Burlington\155D-Nelson - Project 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:

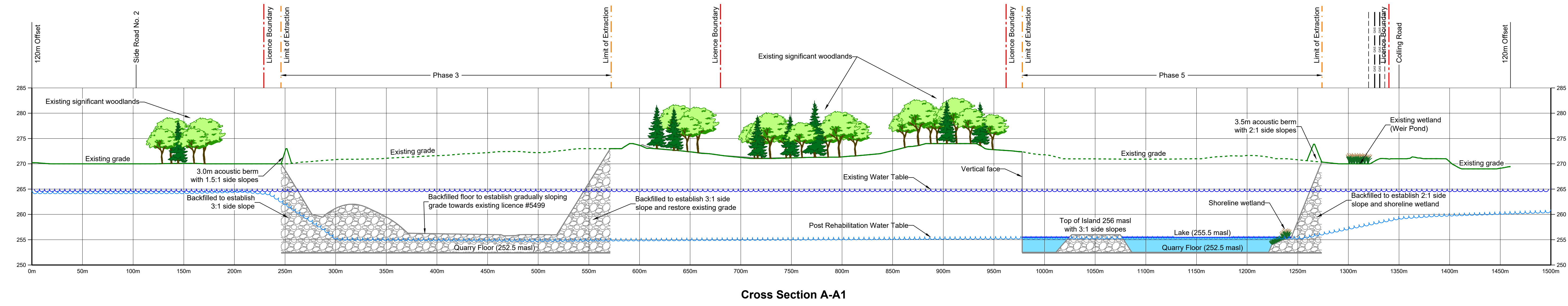
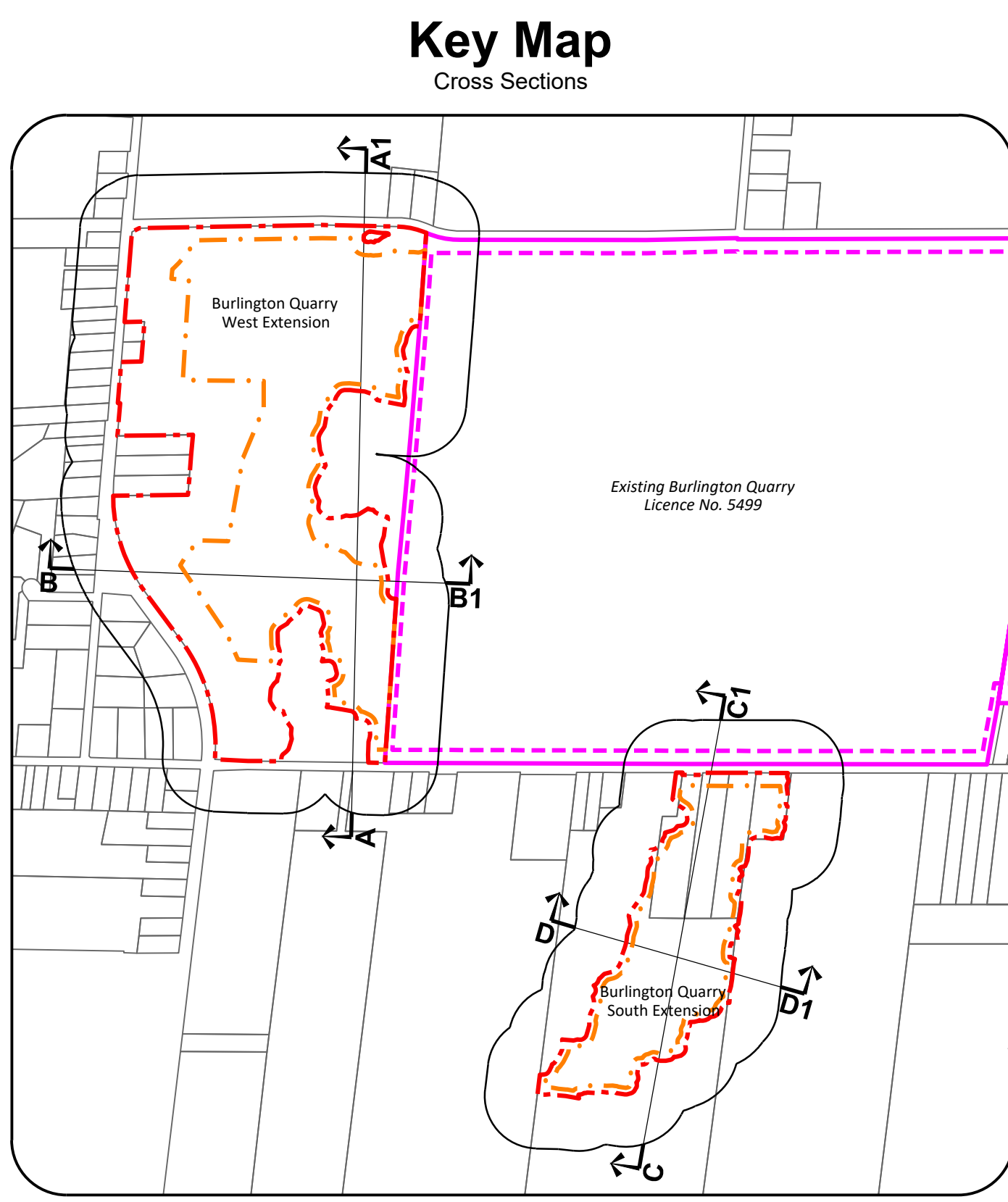
Licence Area (total)	76.9 ha
• South Extension	18.1 ha
• West Extension	58.8 ha
- B. References**
- Contours were obtained from the City of Burlington's Open Data Catalogue based on 2017 data and are displayed in one metre intervals. Elevations shown are in metres above sea level (masl).
 - Topographic information was obtained from numerous sources including Ontario Geospatial (Land Information Ontario), City of Burlington's Open Data Catalogue, Google Earth Pro aerial photography captured on May 7, 2018 and test 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, June 2022.
 - 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 Extension, Archaeologic Inc., August 2003.
 - Archaeological Assessment (Stage 4), Nelson Aggregates Quarry Extension, 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, Ecoltech Engineering Ltd. June 16, 2021.
 - Cultural Heritage Impact Assessment Report, Burlington Quarry Extension, MacNaughton Hermsen Britton Clarkson Planning Limited (MNBC), May 2022.
 - 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 Chapnik 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 2008 June 23, 2023.
 - Visual Impact Assessment Report, Proposed Extension of the Burlington Quarry, MacNaughton Hermsen Britton Clarkson Planning Limited (MNBC), May 2022.
 - Safety Review of the Proposed Access Plan for a Proposed Quarry Extension, True North Safety Group, June 2021.



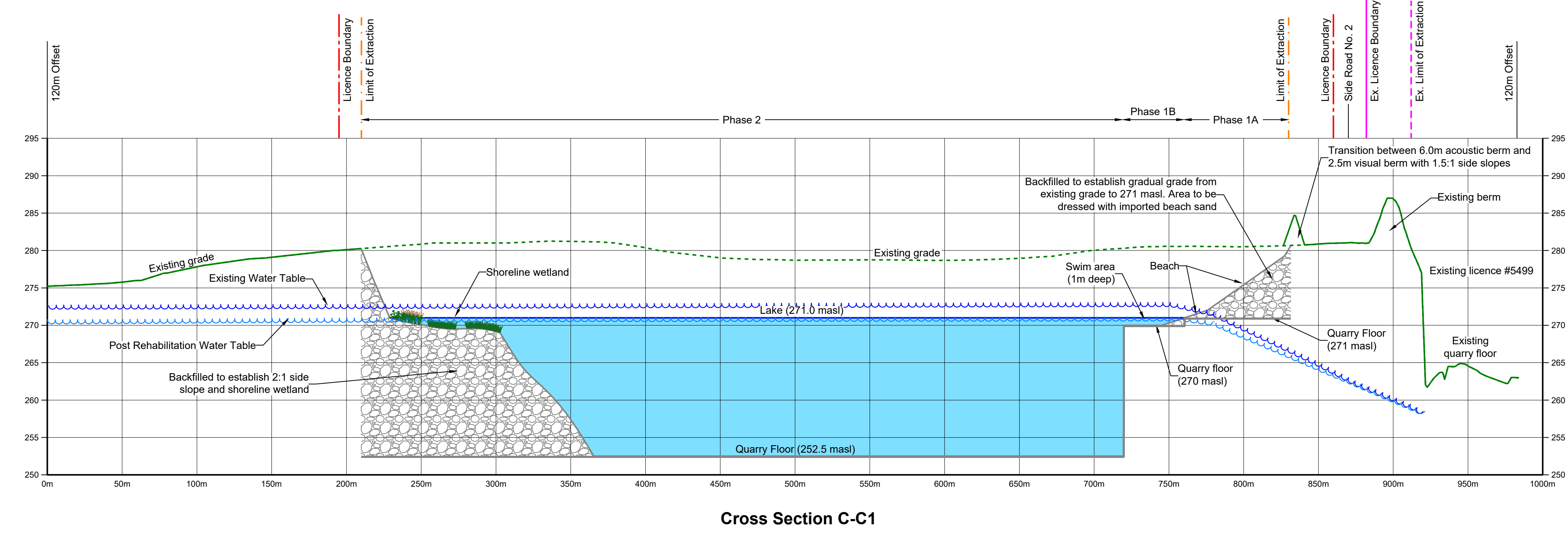
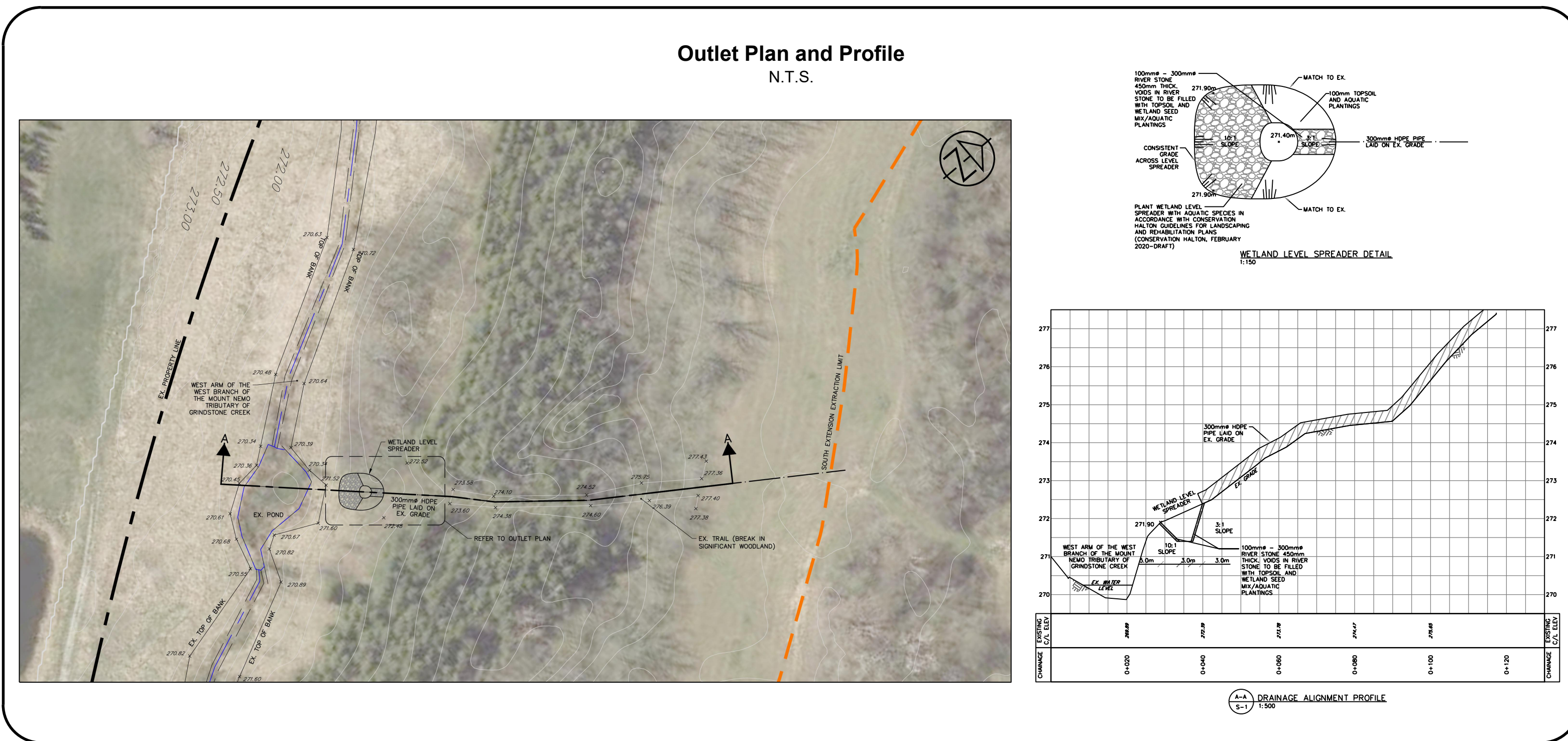
Concession 2 North of Dundas Street

Legend

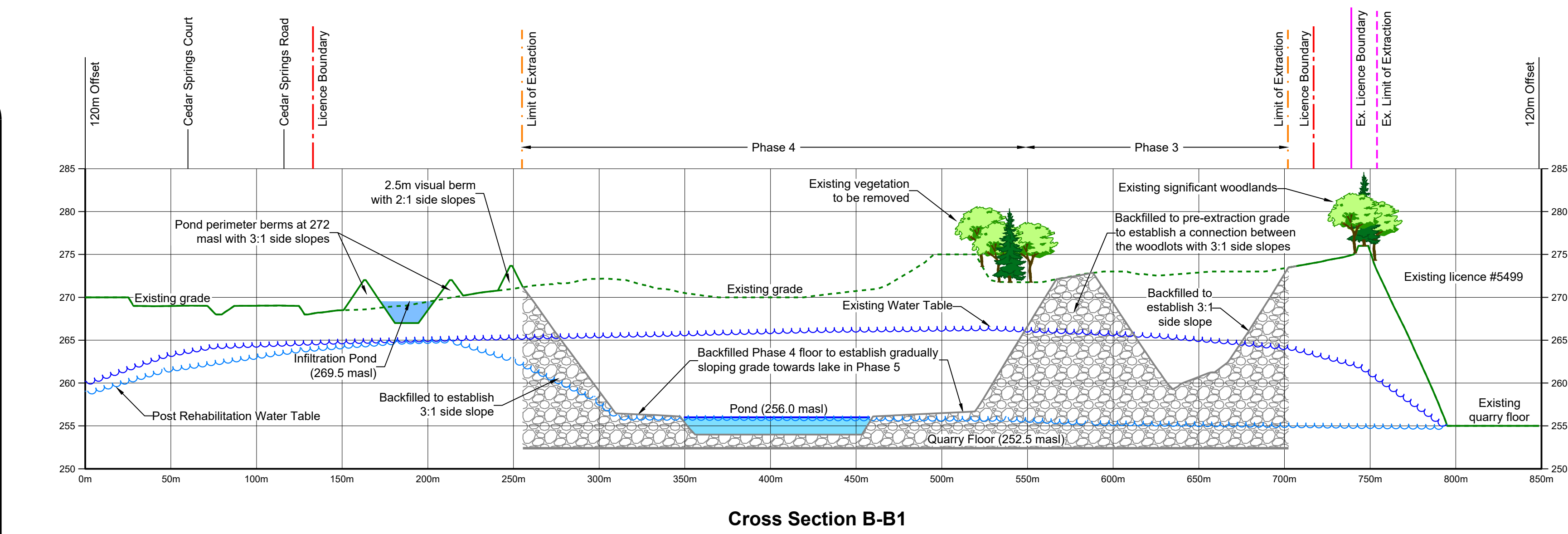
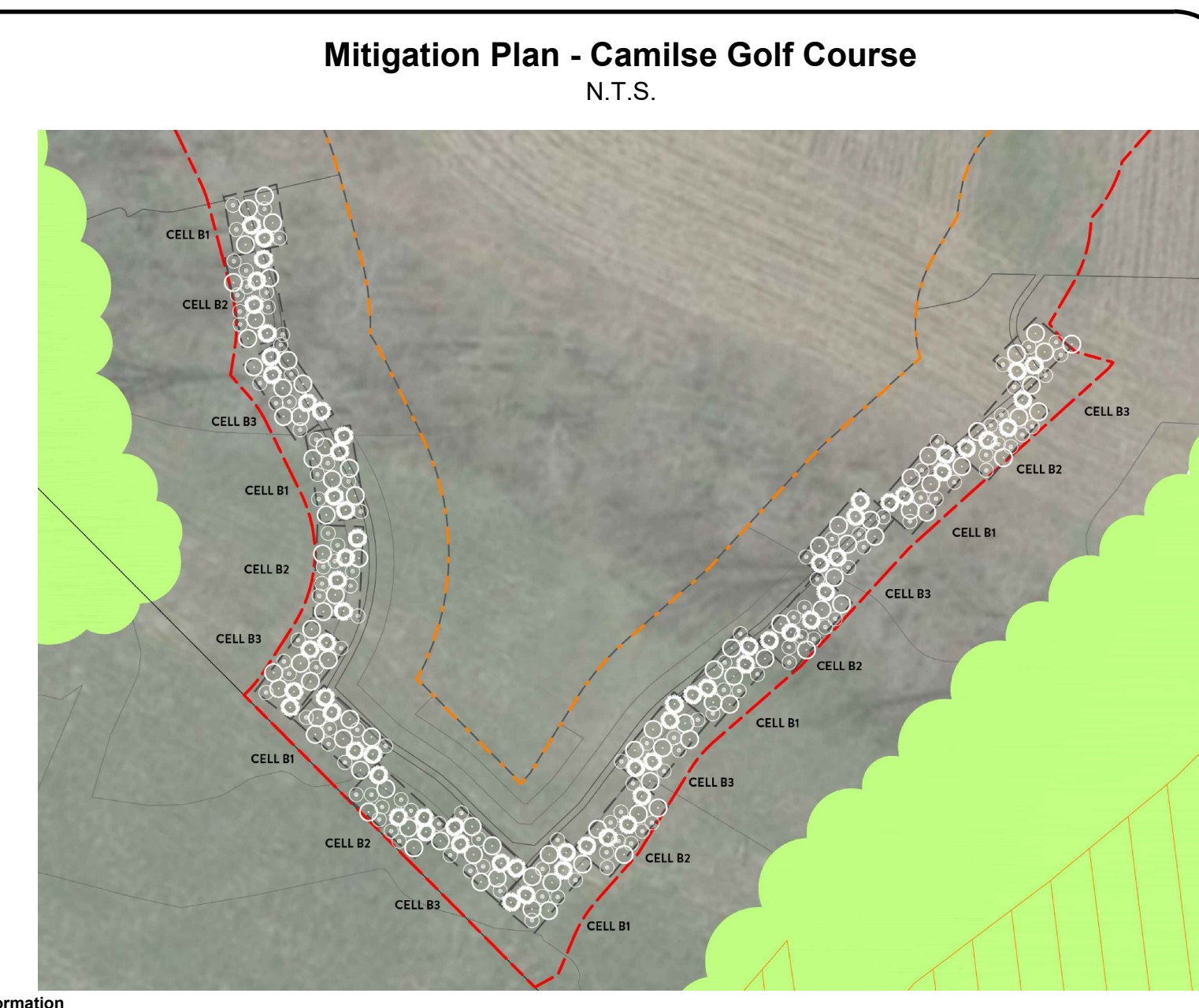
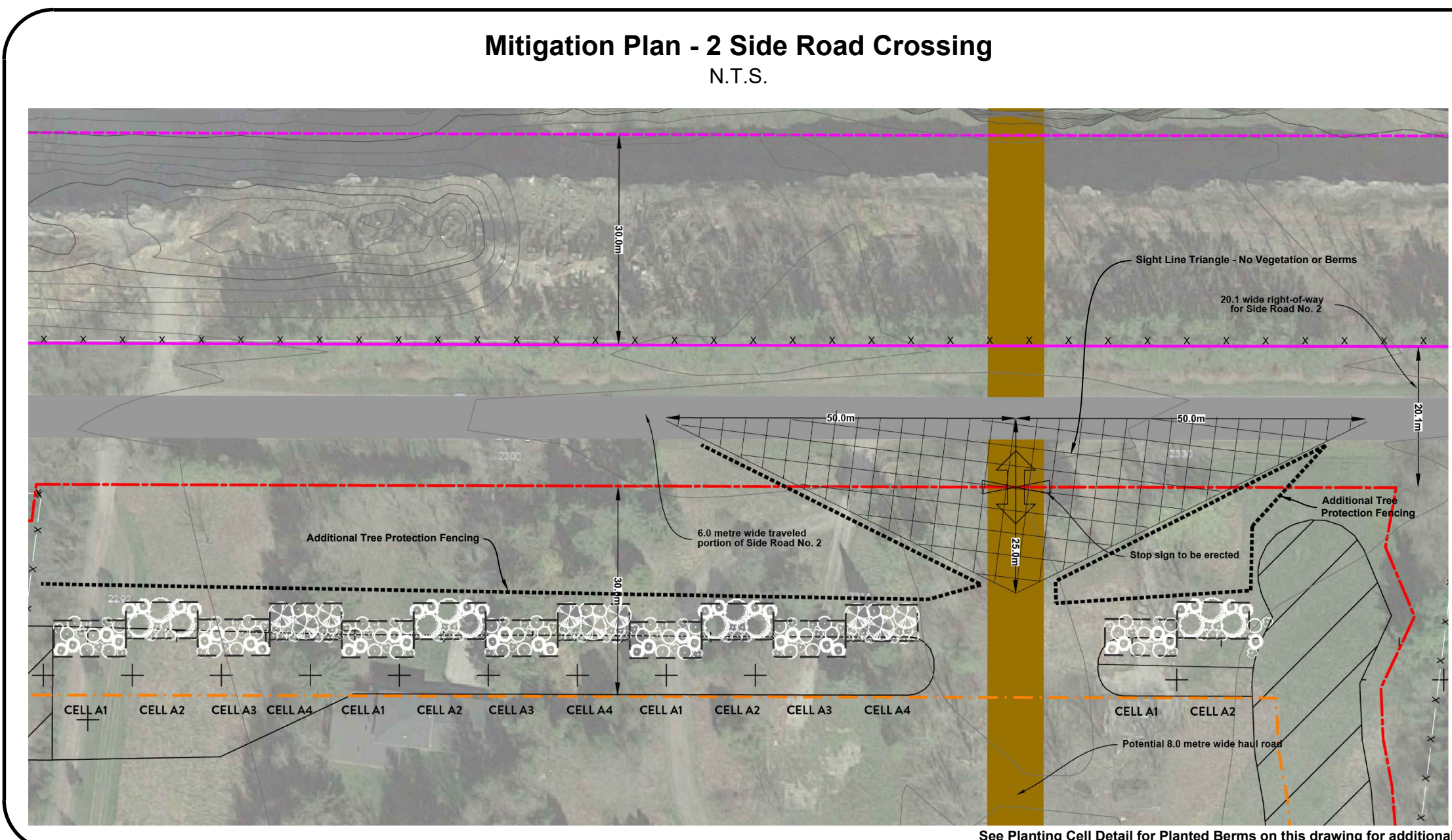
- Licence Boundary
- Limit of Extraction
- Existing Licence
- Existing Limit of Extraction
- 120m Offset From Licence Boundary
- Existing Grade - Removed / Altered
- Existing Grade - Undisturbed
- Quarry Floor / Face
- Berm
- Existing Water Table
- Post Rehabilitation Water Table
- Backfilled
- Lake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



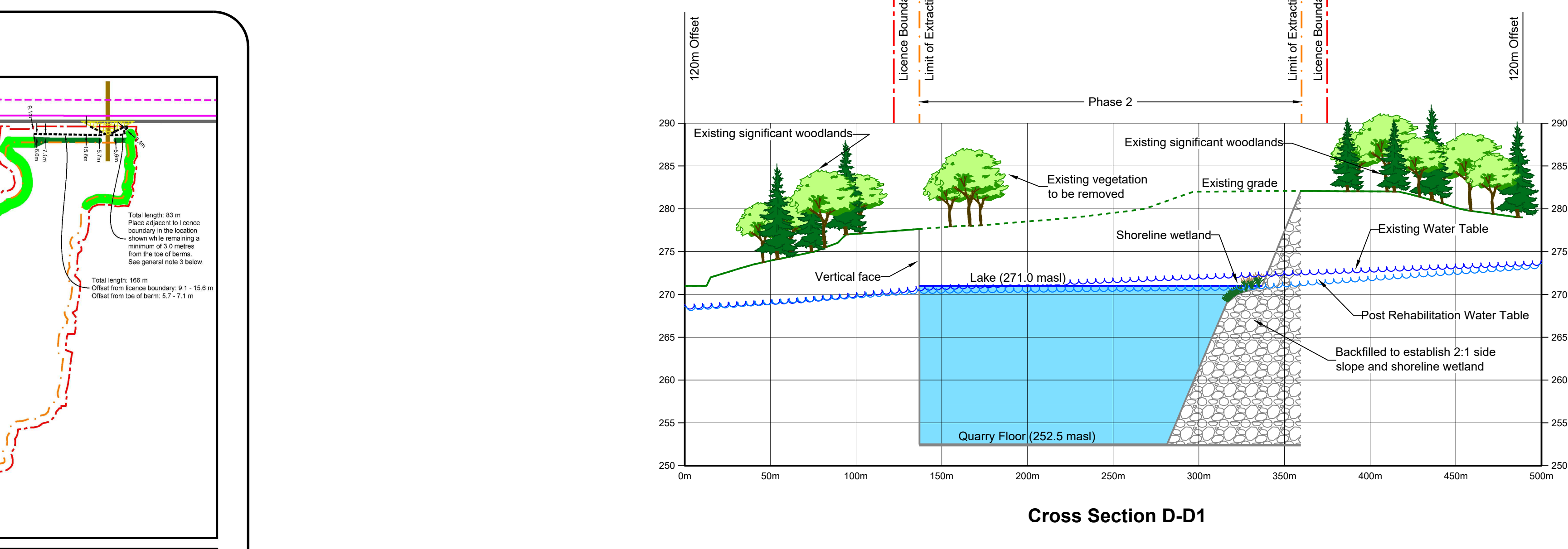
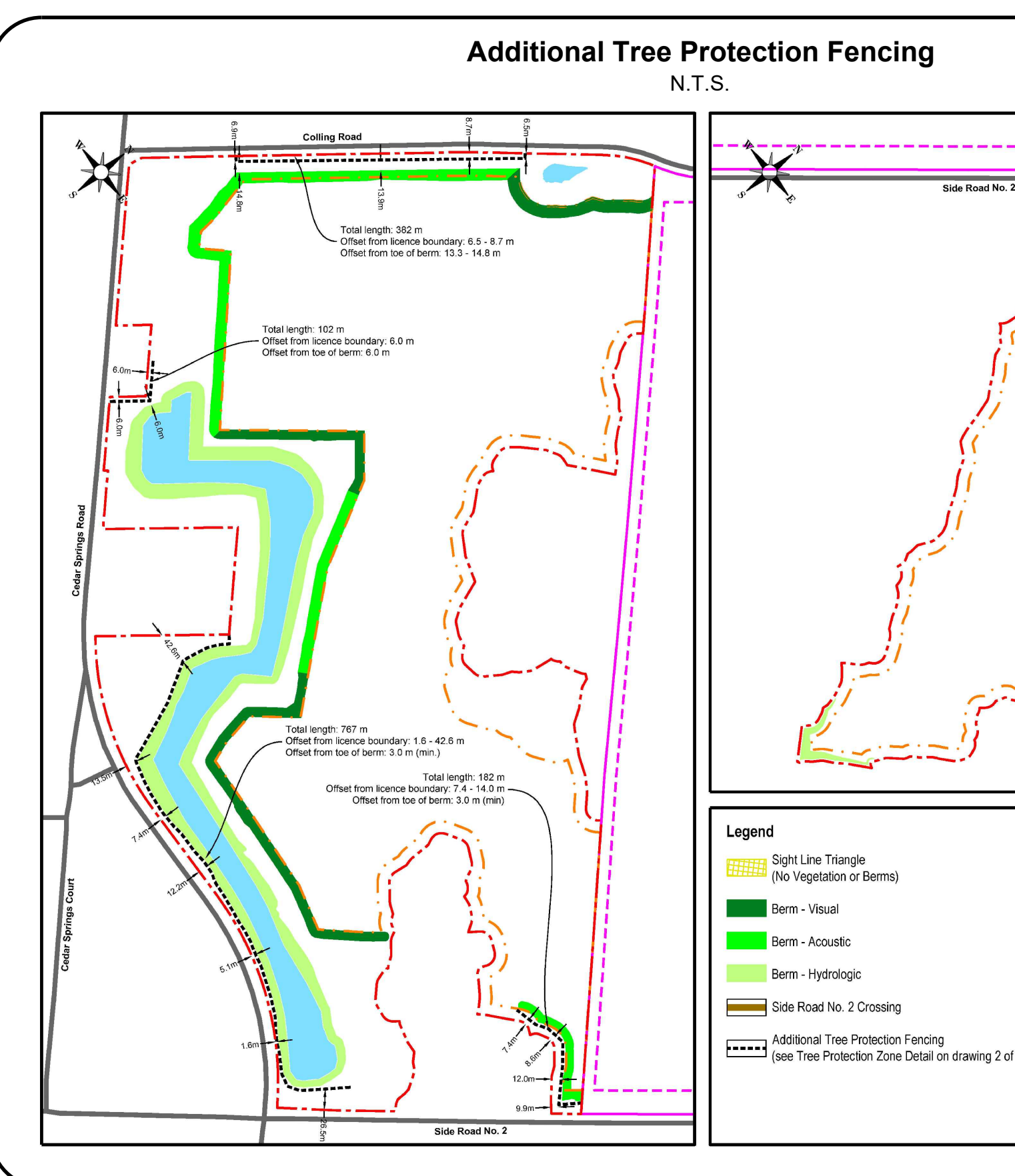
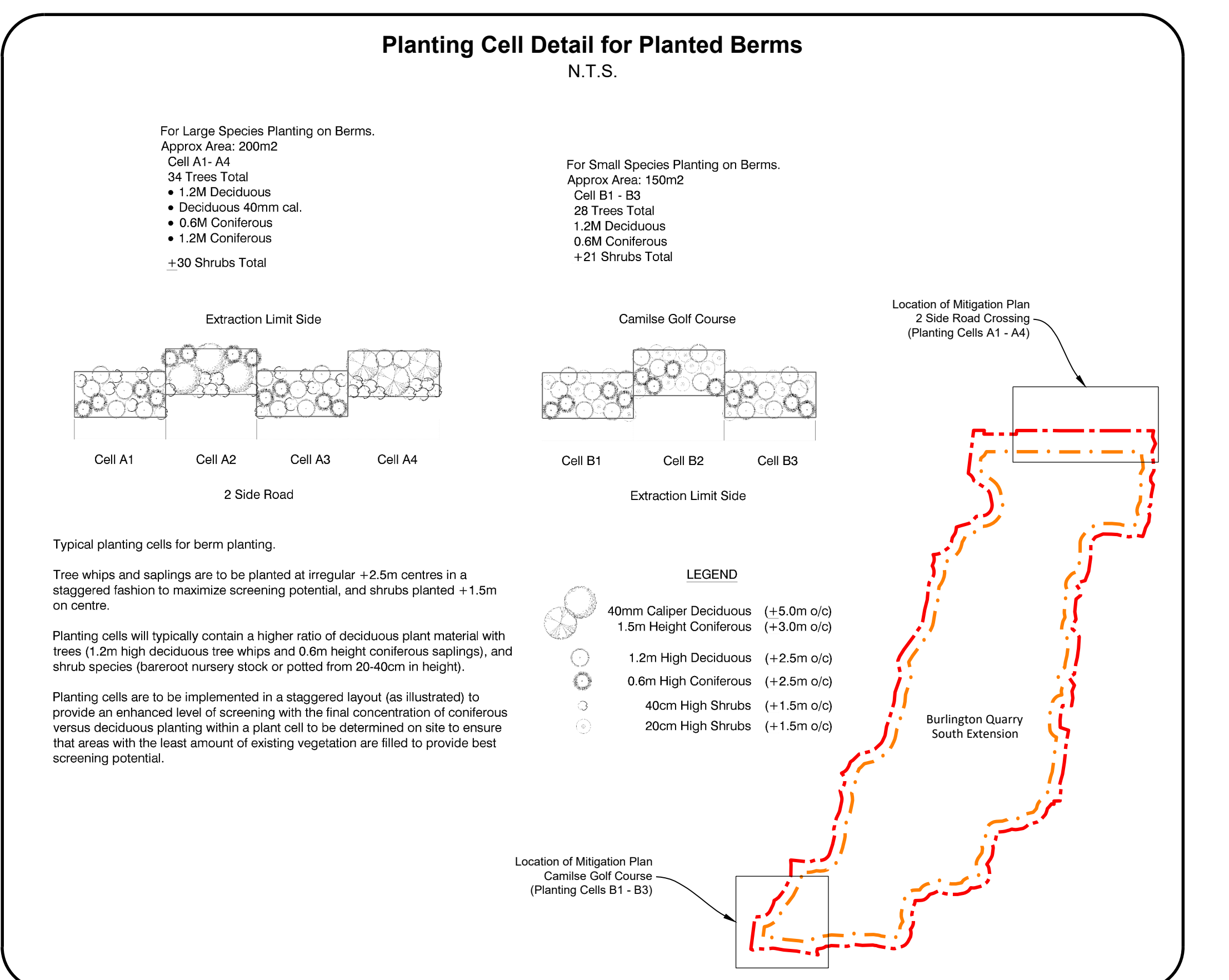
Cross Section A-A1



Cross Section C-C1



Cross Section B-B1



Cross Section D-D1

Site Plan Amendments

No.	Date	Description	By
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Project
Burlington Quarry Extension

MNRF Licence Reference No.
 626477

Pre-approval review:

Plan Scale:	Horizontal	Vertical	1:2000	1:400	Date	June 2023	September 2022
Drawn By	C.P.	File No.	9135D				
Checked By	B.Z.						

File Name
Cross Sections

Drawing No.
4 of 4

File Path
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