

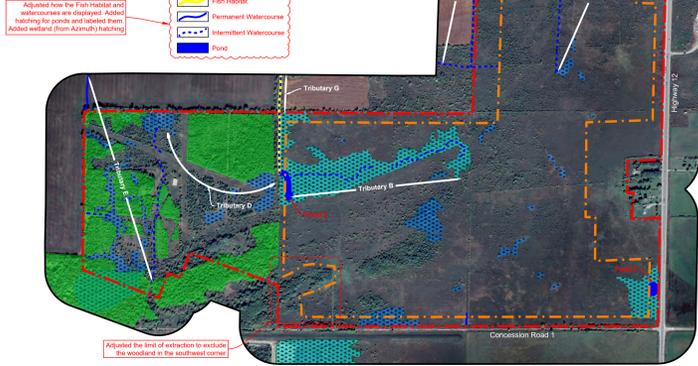
### Key Natural Heritage Features

Scale 1:7500



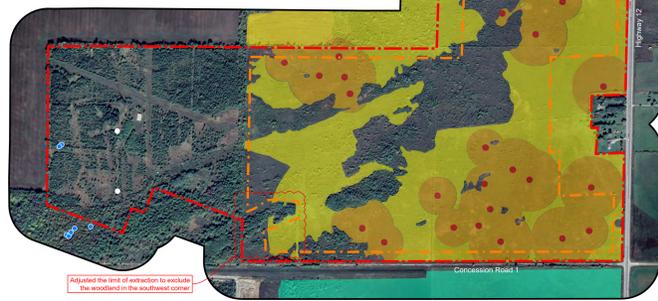
#### Significant Woodland, Wetland and Fish Habitat

- Significant Woodland
- Wetland - Non-Privately Significant (L10)
- Wetland - Aquatic
- Fish Habitat
- Permanent Watercourse
- Intermittent Watercourse
- Pond



#### Habitat for Endangered and Threatened Species

- Bobolink & Eastern Meadowlark - Category 1 Habitat
- Bobolink & Eastern Meadowlark - Category 2 Habitat
- Bobolink & Eastern Meadowlark - Category 3 Habitat
- Potential Bobolink & Eastern Meadowlark Habitat
- Black Ash Tree
- Butternut Tree



#### Significant Wildlife Habitat

- Amphibian Breeding Habitat (Woodland)
- Bird Nesting Colonies
- Open Country Bird Breeding Habitat
- Moose Habitat
- Shrub/Early Successional Bird Breeding Habitat
- Waterfowl Nesting Habitat
- Tern/Noddy Crayfish Habitat
- Black Ash Tree
- Tern/Noddy Crayfish Burrow
- Species Observation
- Abandoned Rail Line (white)

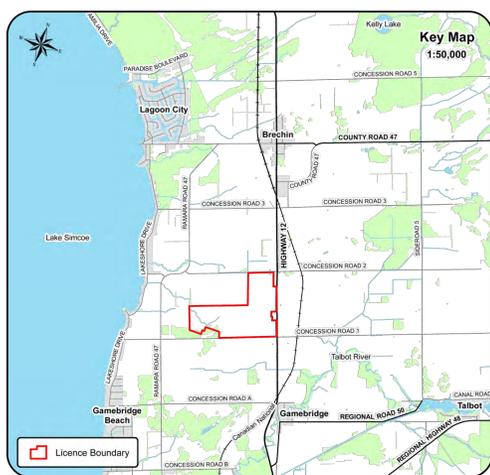
Note:  
1. Tread areas and structures west of the abandoned rail line may provide habitat for Species at Risk (SAR) bats.  
2. Golden-winged Warbler habitat for all land west of the abandoned rail line within 120 metres of the quarry boundary.  
3. Eastern Wood-pewee and Wood Thrush habitat for all woodlands west of the abandoned rail line within 120 metres of the quarry boundary.



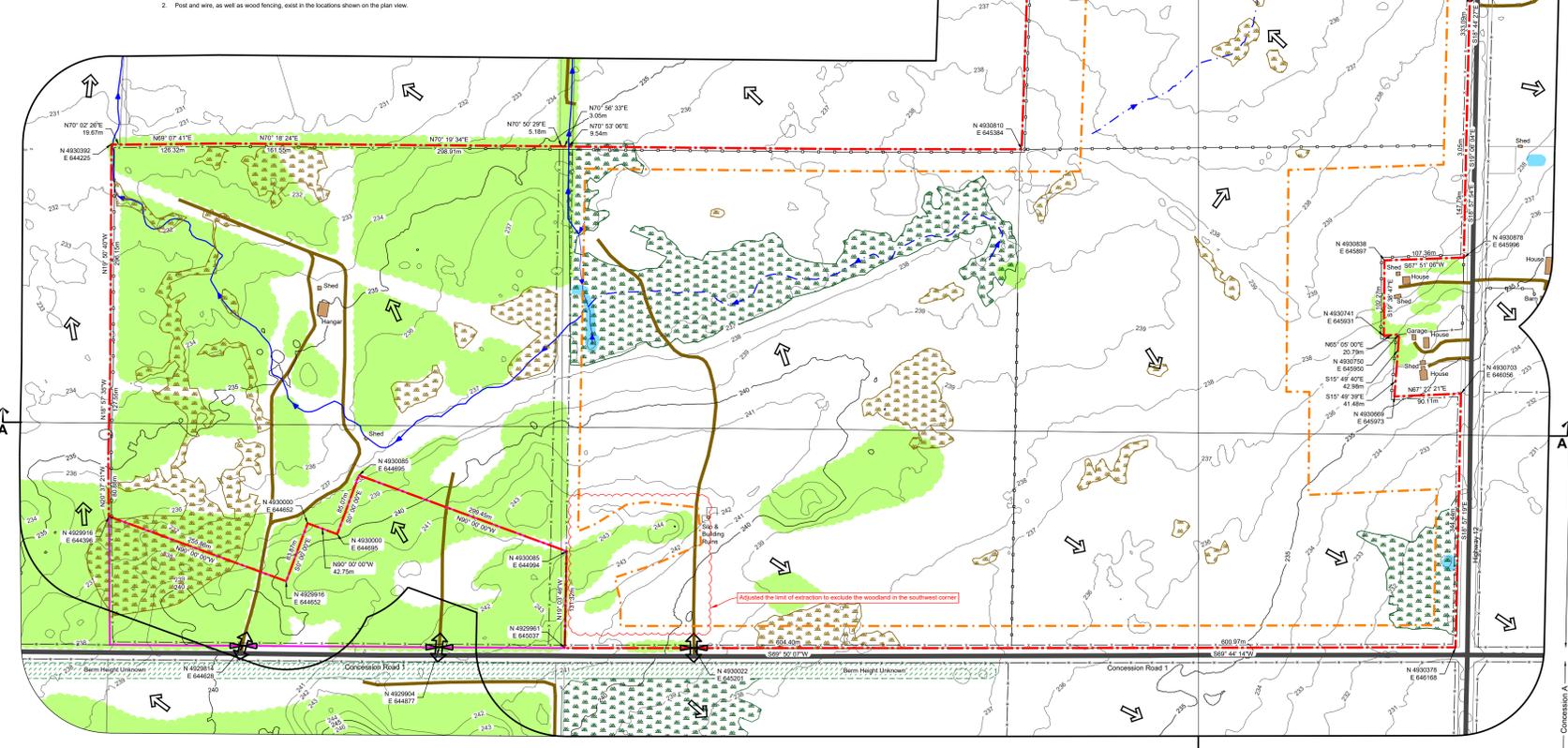
### Legal Description

Part of Lots 11, 12 and 13, Concession 1 (former geographic Township of Mara) Township of Ramara County of Simcoe

- #### Legend
- Licence Boundary
  - Limit of Extraction
  - Existing Ground
  - Contours with Elevation
  - Public Road
  - Driveway
  - Watercourse
  - Watercourse
  - Water Feature
  - Wooded Area
  - Wetland
  - Wetland
  - 120m Offset From Licence Boundary
  - Additional Land Owned by Licensee
  - Lot Fabric
  - Fence
  - Entrance / Exit
  - Gate
  - Direction of Surface Drainage
  - Berm
  - Building/Structure
  - Cross Sections



- #### A. General
- This site plan is prepared under the Aggregate Resources Act (ARA) a Class "A" Licence for a quarry below the groundwater table.
  - Area calculations
    - 2.1. Licence Boundary: 151.4 ha
    - 2.2. Limit of Extraction: 80.9194 ha
  - Nothing and existing coordinates have been provided at all major corners of the licence boundary and at the centre point of every entrance and exit that intersects the licence boundary on the plan view of this drawing.
- #### B. References
- Contours were obtained from Ontario Geofab (Land Information Ontario) and are based on the 2013 South Central Ontario Orthophotography Project imagery-derived digital elevation model. Contours are displayed in one metre intervals and elevations shown are in metres above sea level (masl).
  - Topographic information was obtained from numerous sources including Ontario Geofab (Land Information Ontario), Google Earth Pro aerial photography captured on September 28, 2022 and field investigations for technical reports.
  - All topographic features and structures are shown to scale in Universal Meridian (UTM) with North American Datum 1983 (NAD83), Zone 17 (metres), Central Meridian 81 degrees west coordinate system.
  - The licence boundary was established using parcel fabric information from the Municipal Property Assessment Corporation.
  - Existing land use designations on and within 300 metres of the licence boundary (see schematic on this drawing) was obtained from the Township of Ramara Official Plan, Schedule "A" Land Use Plan, dated December 27, 2006.
  - Existing zoning on and within 300 metres of the licence boundary (see schematic on this drawing) was obtained from the Township of Ramara Zoning By-law 2005.85, Schedule "A" Maps O6, O7, O8, O9, P7 and P8, as of March 2023. The licence area is currently zoned Rural (RU) and Agriculture (AG).
  - Land use information identified on or within 300 metres of the licence boundary (see schematic on this drawing) was determined using Google Earth Pro aerial photography captured on September 28, 2022.
  - Structures identified on or within 120 metres of the licence boundary was determined using Google Earth Pro aerial photography captured on September 28, 2022.
- #### C. Drainage
- Surface drainage on and within 120 metres of the licence boundary is by overland flow in the directions shown by arrows on the plan view, or by infiltration.
  - There are three locations where existing watercourses flow off-site to the north as depicted on the plan view of this drawing.
- #### D. Groundwater
- The maximum predicted water table within the limit of extraction varies between 231.5 masl and 236.0 masl and is shown in each cross section on drawing 5 of 5.
- #### E. Site Access and Fencing
- Four gated road access points exist in the locations shown on the plan view. Three of the field access points are from Concession Road 1 to the south while one is from Highway 12 to the east.
  - Post and wire, as well as wood fencing, exist in the locations shown on the plan view.
- #### F. Significant Natural Features Within 120 Metres
- There are Significant Woodlands, Significant Wildlife Habitat, habitat for endangered and threatened species, fish habitat and wetlands evaluated by Acorn Environmental Consulting and determined to be non-privately significant within the licence boundary (see the Key Natural Heritage Features schematic on this drawing).
  - There are Significant Woodlands, Significant Wildlife Habitat, habitat for endangered and threatened species, fish habitat and Ministry of Natural Resources and Forestry (MNRF) identified wetlands (non-significant) within the licence boundary within 120 metres (see the Key Natural Heritage Features schematic on this drawing).
- #### G. Significant Human-Made Features Within 120 Metres
- There are four existing structures within the licence boundary as shown on the plan view.
  - There are four residential buildings, as well as several accessory structures, within 120 metres of the licence boundary as shown on the plan view.
  - An existing quarry operation (Licence # 3171) is located south of Concession Road 1. A 1,322 metre long berm has been constructed adjacent to Concession Road 1.
- #### H. Aggregate Related Site Features
- There are no existing aggregate operations or features on-site such as processing areas with stationary or portable equipment, scrap, haul roads, fuel storage, berms or excavation faces.
- #### I. Cross Sections
- Cross sections depicting existing conditions are shown on drawing 5 of 5.
  - Cross sections depicting post rehabilitation conditions are shown on drawing 5 of 5.
  - Cross section locations are identified on the plan view of drawings 1, 2 and 4 of 5.
- #### J. Technical Reports - References
- Stage 1 & 2 Archaeological Assessment, Brechin Quarry, AMICK Consultants Limited, February 3, 2024.
  - Stage 2 Archaeological Assessment of the Corbel Site (BQGA-23), ASI, February 14, 2025.
  - Agricultural Impact Assessment, Brechin Quarry, MacHaughton-Hemsen Britton Clarkson (MHBC) Planning Limited, December 2023.
  - Blast Impact Assessment, Brechin Quarry, Epitaph, December 2023.
  - Cultural Heritage Screening Report, Brechin Quarry, MacHaughton-Hemsen Britton Clarkson (MHBC) Planning Limited, December 2023.
  - Natural Environment Report, Brechin Quarry, Acorn Environmental Consulting Inc., December 2023.
  - Level 1 and 2 Hydrological Assessment, Brechin Quarry, Acorn Environmental Consulting Inc., December 2023.
  - Noise Impact Assessment, Brechin Quarry, HGC Engineering, December 2023.
  - Traffic Impact Study, Brechin Quarry, TYUN, December 2023.
  - Maximum Predicted Water Table Report, Brechin Quarry, Acorn Environmental Consulting Inc., December 2023.



#### Zoning and Land Use



#### Land Use Designation



#### Site Plan Acronyms

- ARA - Aggregate Resources Act
- MASL - Metres Above Sea Level
- MNRF - Ministry of Natural Resources and Forestry
- MCM - Ministry of Citizenship and Multiculturalism
- MGGS - Ministry of Government and Consumer Services
- MECP - Ministry of Environment, Conservation and Parks
- MTO - Ministry of Transportation - Ontario
- DFO - Fisheries and Oceans Canada
- PTTW - Permit to Take Water
- ECA - Environmental Compliance Approval
- ESA - Environmental Site Assessment Endangered Species Act
- SAR - Species at Risk
- LIO - Land Information Ontario
- CLC - Community Liaison Committee

#### Site Plan Amendments

| No. | Date | Description | By |
|-----|------|-------------|----|
|     |      |             |    |
|     |      |             |    |

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

| No. | Date          | Description                                                                              | By  |
|-----|---------------|------------------------------------------------------------------------------------------|-----|
| 1   | May 2024      | Updated the site plan per the MNRF's letter dated April 22, 2024                         | CAP |
| 2   | February 2025 | Updated the site plan to reflect community concerns raised during the application review | CAP |

#### MNRF Stamp

MHBC Stamp  
 Christopher P. ...  
 Is authorized by the Minister of Natural Resources and Forestry pursuant to S.O. 2023/107 of Ontario Regulation 647/23 to prepare and issue site plans.

#### Applicant

LCP Quarry Limited  
 145 Adelaide Street West  
 Suite 500  
 Toronto, Ontario  
 M5H 4E5

#### Project

**Brechin Quarry**  
 1646 & 1506 Highway 12 and 2440 & 2530 Concession Road 1, Brechin, Ontario, L0K 1B0

MNRF Licence Reference No. **626641** Applicant's Signature

Plan Scale: 1:3000 (Arch E) Date **February 2026** File No. **12135B**  
 Drawn By **C.P.** Checked By **B.Z. J.N.**

#### File Name

**Existing Features**  
 Drawing No. **1 of 5**  
 File Path: E:\Breach\12135B\Tasker - Proposed Brechin Quarry\Drawings\Site Plan\CAD\12135B - Site Plan.dwg

A. General

- 1. Area calculations
1.1. Licence Boundary 151.4 ha
1.2. Limit of Extraction 85.9 #H #A
2. The maximum annual tonnage is 2,000,000 tonnes.
3. The maximum predicted water table within the limit of extraction varies between 231.5 m aml and 236.0 m aml.
4. The licence boundary is set located within the Lake Simcoe and Couchiching/Saugee Water Source Water Protection Area and is not located within a Wetland Protection Area or a Surface Water Protection Zone.

- B. Hours of Operation
1. Extraction, including drilling and primary crushing, is permitted Monday to Friday between 7:00 am and 6:00 pm and on Saturdays between 7:00 am to 12:00 pm.
2. Processing, loading and shipping is permitted Monday to Friday between 5:30 am to 6:00 pm and on Saturdays from 7:00 am to 12:00 pm.
3. No operations are permitted on Sunday or statutory holidays.
4. Blasting is permitted Monday to Friday, including holiday breaks, between 6:00 am and 6:00 pm during daylight hours, excluding statutory holidays.

- C. Site Access and Fencing
1. The three existing field access points on Concession Road 1 and the existing field access on Highway 12 may remain for maintenance purposes.
2. The licence boundary shall be fenced, kept posted during hours of non-operation and maintained throughout the life of the licence.
3. The two field access points within Lot 13, Concession 1, should be gated at the property boundary.
4. An operational enhancement is proposed on Concession Road 2, approximately 450m west of the Highway 12 / Concession Road 2 intersection.

- D. Drainage and Siltation Control
1. Drainage of undisturbed areas will continue in accordance with drawing 11.0-5.
2. Silt fencing that is installed and maintained in accordance with Natural Environment Act 4.1 and 4.4, under Section P Technical Recommendations on this drawing.

- E. Site Preparation
1. Prior to site preparation, a Spill Contingency Plan shall be prepared and implemented.
2. The weed and harper within Lot 13, Concession 1 shall be removed prior to natural restoration activities.
3. Tree removal shall not occur between March 15<sup>th</sup> and November 30<sup>th</sup> of each year.
4. Timber removal shall be managed for use as saw logs, firewood, mulch and fuel wood where appropriate.

- F. Berms and Screening
1. Noise attenuation berms shall be constructed to the height specified in the locations shown on the plan view of this drawing.
2. Berms side slopes shall not be steeper than 2:1 (horizontal : vertical).
3. The minimum width of the berm crest shall be one metre.

- G. Site Dewatering
1. Once the permanent sump is established, it will discharge water in the location shown on the plan view of this drawing.
2. Water discharged from the permanent sump will pass through the habitat corridor and eventually discharge off-site in the location shown on the plan view of this drawing.

- H. Extraction Sequence
1. The extraction sequence is outlined on drawing 3 of 5.

- I. Extraction Details
1. Topsoil and overburden shall be stripped to a maximum 2 m depth adjacent to the limit of extraction.
2. The existing grade, maximum predicted water table and maximum depth of extraction is indicated by spot elevations on the plan view of this drawing.
3. The maximum lift height shall be 12 metres.
4. The maximum depth of Imposition in Phase 1A is approximately 30 metres and shall be extracted in three lifts.
5. The maximum depth of Imposition in Phase 1B is approximately 31 metres and shall be extracted in three lifts.
6. The maximum depth of Imposition in Phase 2A is approximately 35 metres and shall be extracted in three lifts.
7. The maximum depth of Imposition in Phase 2B is approximately 35 metres and shall be extracted in three lifts.

- J. Equipment and Processing
1. Equipment used may include portable crushers (both primary and secondary), a portable screening plant, a portable wash plant, rock lifts, generators, stackers, conveyors, crushers, extraction buckets, shipping trucks, haul trucks, highway trucks, water trucks, fuel trucks, maintenance trucks, explosive trucks, pickup trucks, and the clearing equipment.
2. Processing shall be located within the processing area identified on drawing 3 of 5 and remain a minimum of 50 metres from the licence boundary and 90 metres from a property with a residential use.

- K. Wash Pond and Sump
1. A wash pond and sump will install near the quarry face in Phases 1A and 1B until the maximum depth is reached.
2. Throughout the life of the operation, water from the temporary or permanent sump shall only be discharged in the southeast corner of the Phase 1B in the location depicted on the plan view of this drawing.

- L. Dust
1. Dust shall be mitigated onsite.
2. Water or another provenly approved dust suppression shall be applied to mineral haul roads and processing areas as often as required to mitigate dust.

- M. Fuel Storage
1. Fuel storage tanks shall be located within the processing area identified on drawing 3 of 5.
2. All fuel tanks shall be double skinned or installed in containment facilities large enough to hold the tanks maximum volume.

- N. Scrap and Recycling
1. Scrap may be stored onsite within the processing area identified on drawing 3 of 5 and shall be removed on an on-going basis.
2. Recycling activities shall not interfere with the operational phases of the site or its rehabilitation.

Table with 3 columns: Section 6-13 Standard, Variation, Rationale. Contains 6 rows of regulatory variations.

- P. Technical Recommendations
1. Agricultural
a. The Wetland operation located at 1569 Highway 12 shall be included in the private wetland monitoring program if the landowner provides access.
2. Archaeology
a. The Corbié (BQ2-23) Site has further Cultural Heritage Value or Interest.

- 3. No alterations or ground disturbing activities shall be carried out within the protected area prior to a report being submitted stating that the Corbié (BQ2-23) Site has no further Cultural Heritage Value or Interest.

- 4. Indigenous communities with interest in the site shall be further engaged, including communities already engaged and any expressing interest in the intervening time between stages.
5. If the proponent determines they wish to extend the protected area, they must have a licensed archaeologist to complete Stage 3 and proposed a Stage 4 mitigation strategy for review by MCM.
6. If the aggregate licence is surrendered, a covenant shall be registered in title for the property of block containing the protected site.

- 7. In the event human remains are encountered during construction or extraction activities, the licensee shall immediately contact both the MCM and the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
8. The licensee shall immediately contact both the MCM and the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 9. An operational enhancement is proposed on Concession Road 2, approximately 450m west of the Highway 12 / Concession Road 2 intersection.
10. All areas shall be monitored for ground vibration and overpressure at the closest sensitive receptors adjacent the site, or closer, with a minimum of two (2) slight seismographs (i.e. geophones) installed at the least one installed behind the blast.
11. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 12. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
13. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 14. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
15. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 16. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
17. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 18. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
19. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 20. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
21. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 22. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
23. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 24. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
25. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 26. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
27. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

Table 1: Summary of Noise Dimension (m) with columns: Term, Height, Length. Lists noise attenuation areas 1, 2, and 3 with dimensions.

- a. Processing, loading and shipping is permitted Monday to Friday between 5:30 am and 6:00 pm, and on Saturdays between 7:00 am and 12:00 pm.
b. No operations are permitted on Sunday or statutory holidays.
c. Acoustic Shielding
1. When following the active face of extraction, the primary crusher shall be located as close as possible to the excavation face of each phase, in order to maximize acoustic shielding.

- 2. Within Phase 1A, the processing plant is permitted to operate.
3. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 4. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
5. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 6. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
7. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 8. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
9. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 10. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
11. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 12. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
13. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 14. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
15. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 16. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
17. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 18. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
19. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 20. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
21. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 22. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
23. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 24. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
25. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 26. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
27. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 28. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
29. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 30. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
31. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 32. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
33. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 34. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
35. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

- 36. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).
37. The licensee shall be required to provide a blasting plan that shall be approved by the Registrar or Designated Officer of the Conservation Regulator Unit at the Ministry of Environment and Conservation (MECE).

Legal Description: Part of Lots 11, 12 and 13, Concession 1 (former geographic Township of Mara) Township of Rama County of Simcoe

Legend: Licence Boundary, Limit of Extraction, Contours with Elevation, Public Road, Driveway, Watercourse, Wetland, Noise Attenuation Area 1, Noise Attenuation Area 2, Noise Attenuation Area 3, Main Discharge Pipe, Monitoring Well, Pond Monitoring, Sump, Cross Sections.

Site Plan Acronyms: 1. ARA - Aggregate Resources Act, 2. MASL - Metres Above Sea Level, 3. MNRF - Ministry of Natural Resources and Forestry, 4. MCM - Ministry of Citizenship and Multiculturalism, 5. MECP - Ministry of Environment and Consumer Services, 6. MECP - Ministry of Environment, Conservation and Parks, 7. MTO - Ministry of Transportation - Ontario, 8. DFO - Fisheries and Oceans Canada, 9. PTTW - Permit to Take Water, 10. ESA - Environmental Compliance Approval, 11. ECA - Environmental Site Assessment Endangered Species Act, 12. SAR - Species at Risk, 13. LIO - Land Information Ontario, 14. CLC - Community Liaison Committee.

Typical Noise Attenuation Berm N.T.S. showing cross-section of berm with topsoil, overburden, vegetated side slopes, and existing grade.

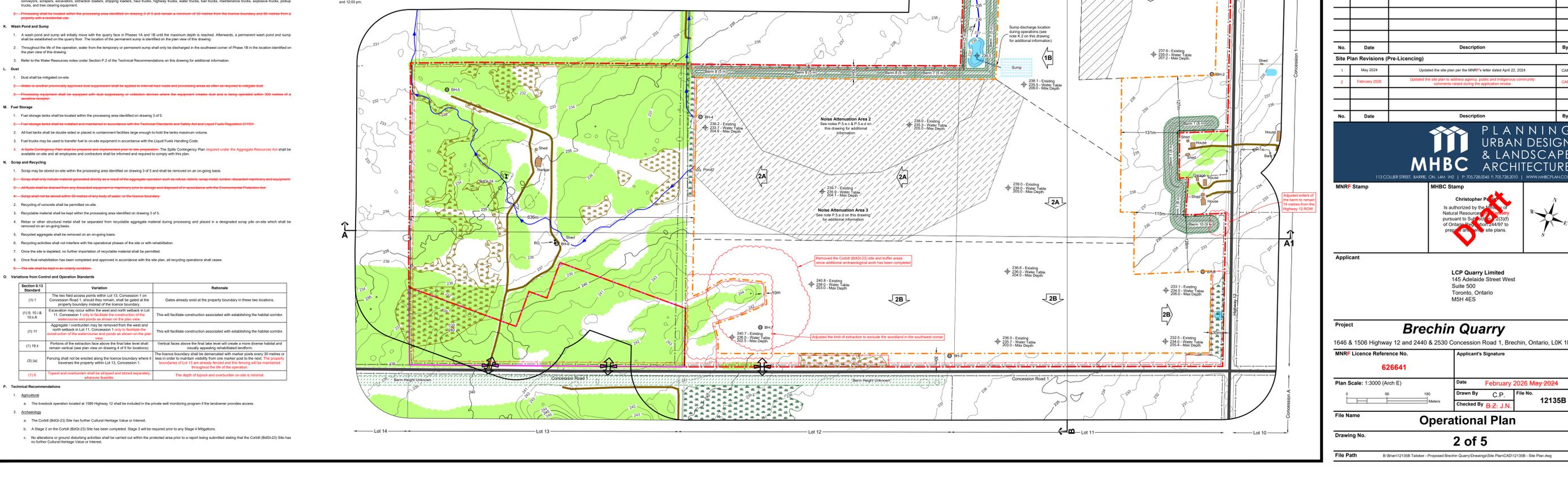
Site Plan Amendments table with columns: No., Date, Description, By.

Site Plan Revisions (Pre-Licensing) table with columns: No., Date, Description, By.

MHBC logo and contact information: 113 COLLIER STREET, BARRE, ON, LAM 1H2 | P: 705.728.0405 | F: 705.728.0110 | WWW.MHBCAN.COM

Applicant: LCP Quarry Limited, 145 Adelaide Street West, Suite 500, Toronto, Ontario, M5H 4E5.

Project: Brechin Quarry, 1646 & 1506 Highway 12 and 2440 & 2530 Concession Road 1, Brechin, Ontario, L0K 1B0. Plan Scale: 1:3000 (Arch E). Date: February 2026 May 2024. File No.: 12135B.



**General Extraction Sequence**

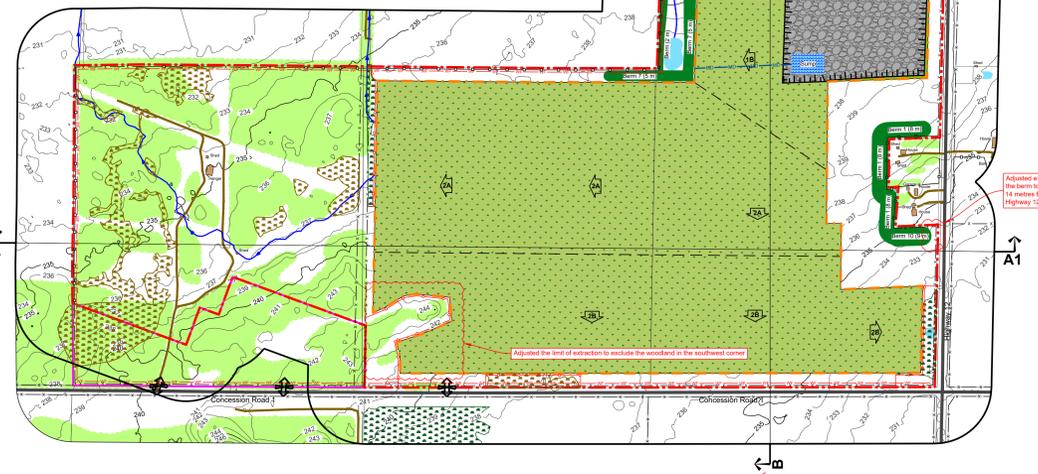
- 1. Extraction shall occur in four phases (Phases 1A-1B, 2A and 2B) as shown on the plan view.
- 2. Phases do not represent any specific or equal time period.
- 3. Progressive and final rehabilitation shall be completed in direct correlation to the development of the quarry as the maximum extraction limits and depths are reached and enough area is available to ensure rehabilitation activities will not interfere with the production, stockpiling and processing of aggregate material.

**Stage 1**

**A. Phase 1A**

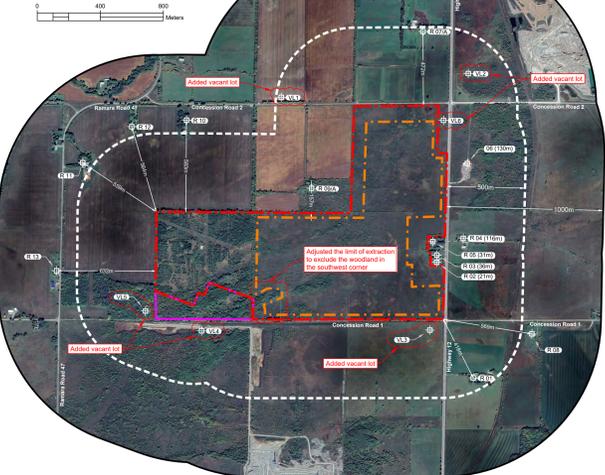
1. Prepare Phase 1A for extraction and ensure all the requirements in Sections 'C' through 'Q' on drawing 2 of 5 are met.
2. Strip Phase 1A and use the topsoil and overburden to construct Berms 1, 2, 3, 7 and 10. (See Noise note 5.6a and 5.1a under Section 'P' Technical Recommendations on drawing 2 of 5). In addition, the two metre perimeter berm on the north and west side of the hauler corridor and the berm along the north boundary of Phases 1A and 1B shall be constructed to an elevation of 233.0 most at all time.
3. Should there be a deficit of topsoil and overburden in Phase 1A to construct the berms mentioned in the note above, a portion of Phase 1B (and if required, Phase 2A) as well may be stripped to make up the deficit and Berms 2 and 3 may be constructed of processed aggregate materials provided they are established as soon as sufficient resources become available following initial setup of the processing at grade (see Noise note 5.5b under Section 'P' Technical Recommendations on drawing 2 of 5).
4. Berms 2 and 3 shall be constructed at existing grade.
5. Commence quarry operations through sinking out.
6. Establish temporary wash pond and sump on the quarry floor. Water from the sump shall be discharged in the location identified on the plan view of drawing 2 of 5 for the life of the operation.
7. Extract material in a southerly direction.

8. After lift 1 is extracted, construct Berms 4, 5 and 6 using topsoil, overburden and/or processed aggregate materials. Berm 4 shall be constructed at existing grade while Berms 5 and 6 shall be constructed at an elevation of 230.0 most (top of lift 2).
9. Once Berms 4, 5 and 6 are constructed and the processing plant is relocated to the top of lift 2, Berms 12 and 13 may be removed. If constructed with topsoil and overburden, the material from Berms 2 and 3 may be utilized to construct the required berms for Phase 1B or used for progressive rehabilitation in Phase 1A.
10. Once lifts 2 and 3 are extracted and the processing plant is relocated to the first quarry floor, Berms 4, 5 and 6 may be removed. If constructed with topsoil and overburden, the material from Berms 4, 5 and 6 may be utilized to construct the required berms for Phase 1B or used for progressive rehabilitation in Phase 1A.
11. Phase 1A may be extracted to a maximum depth between 206.5 and 207.9 most.
12. Progressive rehabilitation shall consist of backfilling the east and southeast boundary of Phase 1A from the quarry floor to existing grade with on-site material to establish a 2:1 slope. The quarry face along the north boundary of Phase 1A shall remain vertical (see Section 'O' Variations from Control and Operation Standards on drawing 2 of 5).
13. Prepare Phase 1B for extraction and ensure all requirements in Sections 'C' through 'Q' on drawing 2 of 5 are met.

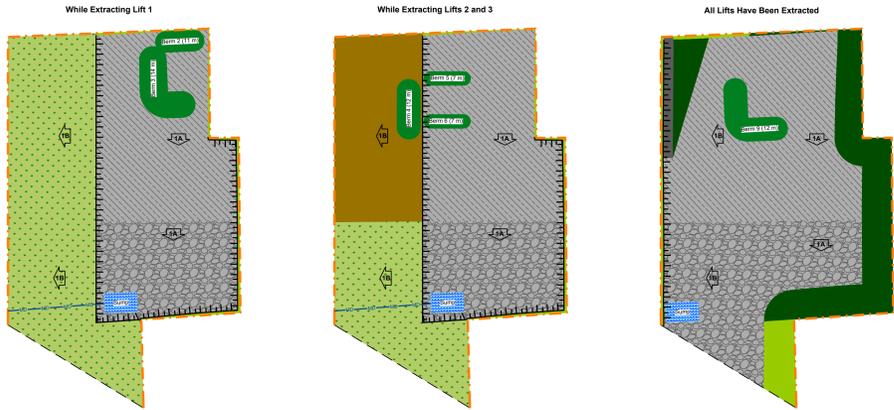


**Receptors - Key Map**

Scale 1:15,000



**Required Berms Within in Phases 1A and 1B Surrounding Processing Area at Each Applicable Lift**



**Stage 2**

**B. Phase 1B**

1. Prior to extraction of the south half of Phase 1B, progressive rehabilitation of the east boundary of Phase 1A shall commence utilizing any available topsoil and overburden stripped from Phases 1A and 1B.
2. Extract material in a westerly direction. Progressive and final rehabilitation shall be completed in direct correlation to the development of the quarry as the maximum extraction limits and depths are reached and enough area is available to ensure rehabilitation activities will not interfere with the production, stockpiling and processing of aggregate material.
3. Establish the permanent access ramp in the location shown on the Stage 2 schematic and on drawing 2 of 5.
4. Establish permanent sump on the quarry floor in the southeast corner of Phase 1B. Water from the sump shall be discharged in the location identified on the plan view of drawing 2 of 5 for the life of the operation.
5. Phase 1B may be extracted to a maximum depth between 205.8 and 207.1 most.
6. Progressive rehabilitation shall consist of backfilling the southeast boundary of Phase 1B from the quarry floor to existing grade with on-site material to establish a 2:1 slope. The quarry face along the south and west boundary of Phase 1B except where the access ramp is located, shall remain vertical (see Section 'O' Variations from Control and Operation Standards on drawing 2 of 5).
7. Prior to site preparation in Phase 2A, the site and berm runs in Lot 13, Concession 1 shall be removed (if not already completed).
8. Prepare Phase 2A for extraction and ensure all requirements in Sections 'C' through 'Q' on drawing 2 of 5 are met.

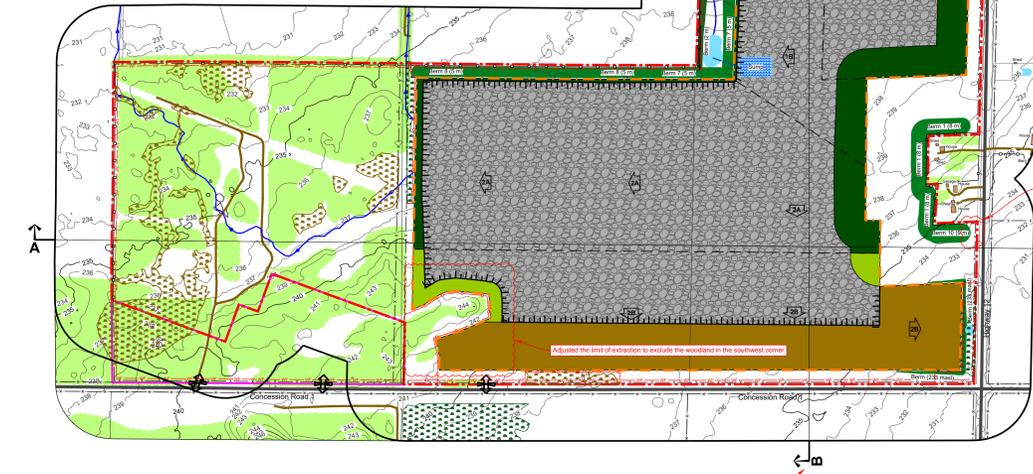
9. Strip the remainder of Phase 1B and use the topsoil and overburden to construct Berms 8 and 9 as well as progressively rehabilitate Phases 1A and 1B.
10. Prior to extraction of Phase 2A, progressive rehabilitation of the eastern boundary of Phase 1A and the ramp slope in Phase 1B shall be completed as shown on the schematic.
11. Extract material in a southerly direction before proceeding in a westerly direction.
12. A berm shall remain along the west boundary of Phase 2A. The berm shall be wide enough to accommodate a 2:1 slope from existing grade to an elevation of 231.0 most, plus a minimum two metre wide safety ledge at the toe of the slope.
13. Phase 2A may be extracted to a maximum depth between 203.4 and 204.4 most.
14. Progressive rehabilitation shall consist of backfilling the bench along the west boundary of Phase 2A with on-site material to establish a 2:1 slope. The east boundary of Phase 2A shall be backfilled from the quarry floor to existing grade with on-site material to establish a 2:1 slope. The quarry face along the north boundary of Phase 2A shall remain vertical (see Section 'O' Variations from Control and Operation Standards on drawing 2 of 5).
15. Prior to site preparation in Phase 2B, the site and berm runs in Lot 12, Concession 1 shall be removed (if not already completed).
16. Prepare Phase 2B for extraction and ensure all requirements in Sections 'C' through 'Q' on drawing 2 of 5 are met.



**Stage 3**

**D. Phase 2B**

1. Strip Phase 2B and use the topsoil and overburden to construct the berm in the southeast corner of Phase 2B to an elevation of 233.0 most and progressively rehabilitate Phases 2A and 2B.
2. Prior to extraction of Phase 2B, progressive rehabilitation of the eastern boundary of Phase 1B and Phase 2A shall be completed as shown on the schematic. Prior to extraction of the south half of Phase 2B, progressive rehabilitation of the western boundary of Phase 2A shall be completed as shown on the schematic.
3. Extract material in a southerly direction before proceeding in an easterly direction.
4. A berm shall remain in three locations along the south boundary (as shown on the plan view of drawing 4 of 5) and the entirety of the west boundary of Phase 2B. The berm shall be wide enough to accommodate a 2:1 slope from existing grade to an elevation of 231.0 most, plus a minimum two metre wide safety ledge at the toe of the slope.
5. Phase 2B may be extracted to a maximum depth between 202.2 and 208.7 most.
6. Progressive rehabilitation shall consist of backfilling the benches along the south and west boundary of Phase 2B with on-site material to establish a 2:1 slope. The east boundary of Phase 2B shall be backfilled from the quarry floor to existing grade with on-site material to establish a 2:1 slope. Aside from the three side slopes established along the south boundary of Phase 2B, the remainder of the quarry face along the south boundary shall remain vertical (see Section 'O' Variations from Control and Operation Standards on drawing 2 of 5).
7. Once the resource is depleted, and all the required side sloping established, pumping shall cease and the extracted area will begin to fill with water.



**Legal Description**  
Part of Lots 11, 12 and 13, Concession 1 (former geographic Township of Mara) Township of Ramara County of Simcoe

**Legend**

- Licence Boundary
- Limit of Extraction
- Contours with Elevation (Metres above sea level (MASL))
- Public Road
- Driveway
- Watercourse (Direction of flow indicated by arrows)
- Water Feature
- Wooded Area
- Wetland (Non-Probably Significant Wetland) From Land Information Ontario (LIO)
- Wetland (Probably Significant Wetland) From Land Information Ontario (LIO)
- Main Discharge Pipe
- 120m Offset From Licence Boundary
- Additional Land Owned by Licensee
- Lot Fabric (Lot and Concessions - dark grey; Parcel Fabric - light grey)
- Fence (Cross - 1.2m post & wire fence; Square - 1.2m wood fence)
- Wildlife Fencing
- Entrance / Exit (Field Entrance - Hollow; Operations Entrance - Solid)
- Gate
- Direction of Excavation & Phase Boundary
- Berm (Proposed - Solid; Existing - Dashed)
- Building/Structure
- Cross Sections (A1)

**Legend - Phasing Sequence**

- Agriculture
- Stripping
- Processing Area
- Extraction
- Progressive Rehabilitation
- Fully Rehabilitated - Above Water
- Berm
- Extraction Face

- Site Plan Acronyms**
1. ARA - Aggregate Resources Act
  2. MASL - Metres Above Sea Level
  3. MNRF - Ministry of Natural Resources and Forestry
  4. MCM - Ministry of Citizenship and Multiculturalism
  5. MGGS - Ministry of Government and Consumer Services
  6. MECP - Ministry of Environment, Conservation and Parks
  7. MTO - Ministry of Transportation - Ontario
  8. DFO - Fisheries and Oceans Canada
  9. PTTW - Permit to Take Water
  10. ECA - Environmental Compliance Approval
  11. ESA - Environmental Site Assessment Endangered Species Act
  12. SAR - Species at Risk
  13. LIO - Land Information Ontario
  14. CLC - Community Liaison Committee

**Site Plan Amendments**

| No. | Date | Description | By |
|-----|------|-------------|----|
|     |      |             |    |

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

| No. | Date          | Description                                                          | By  |
|-----|---------------|----------------------------------------------------------------------|-----|
| 1   | May 2024      | Updated the site plan per the MNRF's letter dated April 22, 2024.    | CAP |
| 2   | February 2025 | Updated the site plan per the MNRF's letter dated February 20, 2025. | CAP |

**MHBC**  
PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE  
113 COLLIER STREET, BARRE, ON, LAM 1H2 | P: 705.728.0405 F: 705.728.2010 | WWW.MHBCPLAN.COM

**MNRF Stamp**  
Is authorized by the Minister of Natural Resources pursuant to S.O. 2003/11 of Ontario Regulation 647/03 for preparation of site plans.

**Applicant**  
LCP Quarry Limited  
145 Adelaide Street West  
Suite 500  
Toronto, Ontario  
M5H 4E5

**Project**  
**Brechin Quarry**  
1646 & 1506 Highway 12 and 2440 & 2530 Concession Road 1, Brechin, Ontario, L0K 1B0

**MNRF Licence Reference No.**  
626641

**Applicant's Signature**

**Plan Scale:** 1:5000 (Arch E)

**Date:** February 2026 May 2024

**Drawn By:** C.P. **File No.:** 12135B

**Checked By:** B.Z. J.N.

**File Name:** Extraction Sequence

**Drawing No.:** 3 of 5

**File Path:** E:\Bren12135B\Talker - Proposed Brechin Quarry\Drawings\Site Plan\CAD\12135B - Site Plan.dwg

**PROGRESSIVE REHABILITATION**

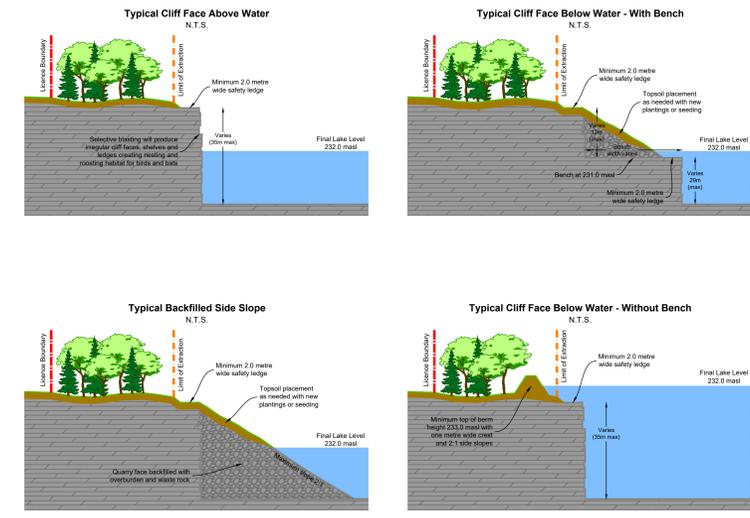
- A. General**
1. **Area excavations**
    - 1.1. Licence Boundary - 1514-ha
    - 1.2. Limit of Excavation - 915-ha
  2. The maximum annual tonnage is 2,000,000 tonnes.
  3. The maximum predicted water table within the limit of extraction varies between 231.0 mast and 236.0 mast. The maximum predicted water table within the extraction zone is shown on drawing 2 of 6.
- B. Phasing**
1. An excavation reaches the limit of extraction or maximum depth, progressive rehabilitation shall commence. Progressive and final rehabilitation shall be in direct correlation to the development of the quarry as the maximum extraction limits and depths are reached and enough area is available to ensure rehabilitation activities will not interfere with the production, stockpiling and processing of aggregate material.
  2. Progressive rehabilitation of the area within the extraction limit shall follow the general direction and sequence of extraction identified on the plan view and described in the notes on drawing 2 of 6.
  3. Each phase of extraction shall undergo progressive rehabilitation, prior to proceeding to the next phase of extraction.
- C. Slopes and Grading**
1. Progressive rehabilitation shall consist of backfilling the eastern extraction face, the eastern and southern extraction faces where berthing is to remain as well as sloping and grading the habitat corridor within the setback. Quarry faces shall remain vertical below the final lake level and in select locations above the final lake level as depicted on the plan view on this drawing (see Section D Variations from Control and Operation Standards on drawing 2 of 6).
  2. The access ramp in Phase 1B shall remain as part of the final rehabilitated landform.
  3. Slopes shall be backfilled with on-site material to establish a 2:1 slope, dressed with topsoil / overburden and seeded.
  4. The excavation face along the eastern limit of extraction in the location shown on the plan view of this drawing shall be backfilled from the quarry face to existing grade and berthing with on-site material to establish a 2:1 slope, dressed with topsoil / overburden and seeded.
  5. No excess soil to be imported on-site for rehabilitation purposes.
- D. Drainage**
1. Final surface drainage will follow the rehabilitated contours and directional arrows shown on the plan view of this drawing.
  2. Once operations have been completed and the rehabilitated landform has been established, pumping shall cease and the excavated area will be allowed to flood to form the final lake. The final lake level is predicted to be 232.0 mast.
  3. Passive overflow discharge for the final lake shall occur in the location identified on the plan view of this drawing. A 7.0 metre wide section of the berm shall be removed until an elevation of 232.0 mast is achieved.
  4. Once overflow from the final lake passes through the habitat corridor, it will discharge off-site in the location shown on the plan view of this drawing.
- E. Natural Environment**
1. The following notes are a continuation of the Natural Environment Technical Recommendations noted under Section 14.4 on drawing 2 of 6.
  2. Areas A and B shall comprise an Upland Planting Zone and shall be planted after construction of the berms shown on the plan view of this drawing.
  3. Areas D1 and D2 shall comprise a Wetland Edge Planting Zone and shall be completed during Stage 1 of the operation when the constructed watercourse and pond water mitigation systems are installed.
  4. Areas F, G, and H shall comprise Permanently Flooded Zones and shall be completed during Stage 1 of the operation when the constructed watercourse and pond water mitigation systems are installed.
  5. Areas C and E shall comprise an Upland Planting Zone and Wetland Edge Planting Zone respectively, and shall be planted prior to restoration commencing in Phase 2.
  6. In all restoration areas, any necessary earth movement shall be completed in advance of the commencement of local restoration works, to avoid damaging plant and seed materials.
  7. An Early Detection and Rapid Response shall be implemented to ensure woody and herbaceous invasive species (i.e. trees, shrubs and vines) shall be treated and removed prior to the initiation of planting and seed mix application.
  8. Invasive species control methods may include (if required) mowing, soil tillage, spot burning using a dip torch, and flooding. Herbicide application shall be undertaken on a species-specific basis and shall only be applied judiciously and as a last measure. Spot spraying and/or working devices shall be used to minimize the inadvertent spread of herbicide to native vegetation.
  9. In Area D2, the driveway and associated culvert shall be installed in advance of the commencement of local restoration works, to avoid damaging plant and seed materials.
  10. In Area E, the existing culvert crossing under the former asphalt runway shall be removed or installed prior to the commencement of restoration works, to facilitate an appropriate moisture regime conducive to the establishment of a wetland vegetation community.
  11. Upland Planting Zones (Areas A-C) shall include the following tree species (or approved equivalents provided they are a native species to Ecodistrict 06-0):
    - Trembling Aspen (*Populus tremuloides*)
    - Largetooth Aspen (*Populus grandidentata*)
    - Balsam Poplar (*Populus balsamifera*)
    - Red-tailed Hemlock (*Pseudotsuga canadensis*)
    - Freeman's Maple-Alder (*Fraxinus*)
    - Eastern White Pine (*Pinus strobus*)
    - Eastern White Cedar (*Thuja occidentalis*)
    - Eastern Redcedar (*Juniperus virginiana*)
    - Bituminous Shale (*Carya canadensis*)
    - Black Cherry (*Prunus serotina*)
    - Northern Red Oak (*Quercus rubra*)
    - Red Maple
    - Silver Maple
    - Sugar Maple
    - White Birch
    - Yellow Birch

10. Upland Planting Zones (Areas A-C) shall include the following shrub species (or approved equivalents provided they are a native species to Ecodistrict 06-0):
  - Chokeberry (*Prunus virginiana*)
  - Common Juniper (*Juniperus communis*)
  - Shagbark Hickory (*Carya alba*)
  - Gray Dogwood (*Cornus racemosa*)
  - American Hornbeam (*Opuntia stricta*)
  - Red-osier Dogwood (*Cornus sericea*)
  - Round-leaved Dogwood
  - Silky Dogwood
  - Wild Black Currant (*Ribes americanum*)

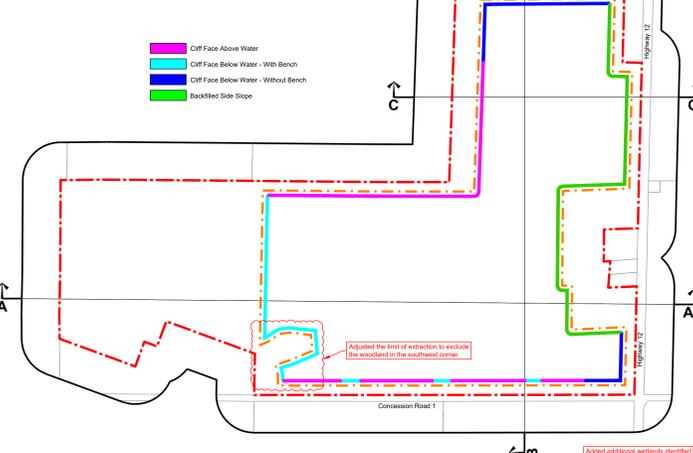
These shrub species shall be concentrated along planting block edges to create a transition between woodland and open space areas and to help minimize the introduction of invasive species.
11. Upland Planting Zones (Areas A-C) and berms identified on the plan view of this drawing shall include a suitable spaced native seed mix such as TRCA, ED4, Ontario Butterfly Meadow Mix or TRCA-SD3 Farm Field Edge Pollinator Mix (or approved equivalent provided they are a native species to Ecodistrict 06-0), installed at a minimum density of 62.27 kg/gramme/ha.
12. Wetland Edge Planting Zones (Areas D1-D2 and E) shall include the following shrub species (or approved equivalents provided they are a native species to Ecodistrict 06-0):
  - Nannyberry (*Viburnum lentago*)
  - Red-osier Dogwood (*Cornus sericea*)
  - Beech Willow (*Salix bebbiana*)
  - Pussy Willow (*Salix discolor*)
  - Heart-leaved Willow (*Salix encarpata*)
  - Meadow Willow (*Salix procumbens*)
  - Harewood Bulrush
  - Blue Vervain
  - Joe-pye Weed
  - Golden Alexander
13. Wetland Edge Planting Zones (Areas D1-D2 and E) shall include a suitable native mesic/wetland edge mix such as TRCA-SD2 Wet Slope Mix (or approved equivalent provided they are a native species to Ecodistrict 06-0), installed at a minimum density of 62.27 kg/gramme/ha.
14. Areas F, G and H shall be planted with Marston's wild rice.
15. Tree and shrub materials shall be planted as bare root stock or potted stock (minimum 1-gallon) at a minimum density of 2.50 on-carrots.
16. Restoration areas and berms shall include initial application of a nurse crop of Annual Fats (*Stevia saligna*) for spring/summer seed mix application(s) and/or water wheat (*Triticum aestivum*) for fall seed mix application(s), installed at a minimum density of 30 kg/gramme/ha.
17. In Upland Planting Zones, shrubs shall not represent more than 40% of the seed materials planted.
18. Natural restoration zones shall be monitored at least once annually for at least the first ten (10) years after woody plant and seed mix materials are installed. The monitoring program shall include an Early Detection and Rapid Response to observe for aggregation of invasive species that may pose a significant risk to success of plantings and undertake additional treatments, if necessary, to control invasive species.
19. A survival rate of 80% (50% of the original number of planted stems (e.g. native species) is target after two years for each planting area.
20. If after two (2) years, dead tree/shrub material exceeds 20% in any planting Area, woody materials shall be replaced during the spring planting season of the following year to meet or exceed the 80% 50% survival threshold.
21. A berm nesting site shall be constructed above the high water level in Restoration Area D1. Dimensions shall be approximately 8 to 10m x 4 to 5m and the nesting area shall be oriented to provide south and/or southwest exposure. Any nesting site shall be stopped and heavy duty landscape fabric shall be installed to discourage woody plant growth. Suitable granular material shall be piled on top of the landscape fabric (up to 1.5m deep). There shall be no nesting within 10m of the nesting site.

- FINAL REHABILITATION**
- G. General**
1. All equipment shall be removed from the site.
  2. No buildings, structures or haul roads shall remain.
  3. The access ramp may remain in Phase 1B as part of the final rehabilitated landform.
  4. The maximum predicted water table within the limit of extraction varies between 231.0 mast and 236.0 mast and is shown in each cross section on drawing 2 of 6.
  5. The final anticipated lake level is 232.0 mast.
  6. The anticipated final end-use will be naturalized open spaces, woodlands, wetlands and lake.

**Rehabilitation Techniques**  
Not to Scale



**Rehabilitation Techniques Key Map**  
Scale 1:7500



**Legal Description**  
Part of Lots 11, 12 and 13, Concession 1 (former geographic Township of Mara) Township of Ramara County of Simcoe

**Legend**

- Licence Boundary
- Limit of Extraction
- Contours with Elevation (Metres above sea level (MASL))
- Public Road
- Driveway
- Watercourse (Direction of flow indicated by arrows)
- Watercourse (Direction of flow indicated by arrows)
- Water Feature
- Wooded Area
- Wetland (Non-Privately Significant Wetland) From Land Information Ontario (LIO)
- Wetland (Abundant)
- Extraction Face Above Water
- Extraction Face Below Water
- 120m Offset From Licence Boundary
- Additional Land Owned by Licensee
- Lot Fabric
- Fence (Cores - 1.2m post & wire fence; Square - 1.2m wood fence)
- Entrance / Exit (Field Entrance - Hollow; Operational Entrance - Solid)
- Gate
- Berm (Permanent)
- Building/Structure
- Proposed Elevation (Metres above sea level (MASL))
- Proposed Final Slope (Horizontal - Vertical)
- Proposed Final Grade
- Cross Sections (A1)

**Restoration Areas**

- Area A: Upland Planting Zone
- Area B: Upland Planting Zone
- Area C: Upland Planting Zone (Woodland Rehabilitation - Linkage)
- Area D1: Wetland Edge Planting Zone (During Operations and Closure)
- Area D2: Wetland Edge Planting Zone (During Operations - Upland After Closure)
- Area E: Wetland Edge Planting Zone (Creek / Wetland Rehabilitation)
- Area F: Permanently Flooded Zone
- Area G: Permanently Flooded Zone
- Area H: Permanently Flooded Zone

- Site Plan Acronyms**
1. ARA - Aggregate Resources Act
  2. MASL - Metres Above Sea Level
  3. MNR - Ministry of Natural Resources and Forestry
  4. MCM - Ministry of Citizenship and Multiculturalism
  5. MGGS - Ministry of Government and Consumer Services
  6. MECP - Ministry of Environment, Conservation and Parks
  7. MTO - Ministry of Transportation - Ontario
  8. DFO - Fisheries and Oceans Canada
  9. PTTW - Permit to Take Water
  10. ECA - Environmental Compliance Approval
  11. ESA - Environmental Site Assessment Endangered Species Act
  12. SAR - Species at Risk
  13. LIO - Land Information Ontario
  14. CLC - Community Liaison Committee

**Site Plan Amendments**

| No. | Date | Description | By |
|-----|------|-------------|----|
|     |      |             |    |
|     |      |             |    |

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

| No. | Date          | Description                                                        | By  |
|-----|---------------|--------------------------------------------------------------------|-----|
| 1   | May 2024      | Updated the site plan per the MNR's letter dated April 22, 2024    | CAP |
| 2   | February 2025 | Updated the site plan per the MNR's letter dated February 11, 2025 | CAP |

**MHBC**  
PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE  
113 COLLIER STREET, BARRE, ON, LAM 1H2 | P: 705.728.0416 F: 705.728.2010 | WWW.MHBCPLAN.COM

**MNR Stamp**

**MHBC Stamp**

Christopher P. [Signature]  
Is authorized by the Minister of Natural Resources and Forestry pursuant to S.O. 2023/11 of Ontario Regulation 647/23 to prepare and certify site plans.

**Applicant**  
LCP Quarry Limited  
145 Adelaide Street West  
Suite 500  
Toronto, Ontario  
M5H 4E5

**Project**  
**Brechin Quarry**  
1646 & 1506 Highway 12 and 2440 & 2530 Concession Road 1, Brechin, Ontario, L0K 1B0

**MNR Licence Reference No.**  
626641

**Applicant's Signature**

**Plan Scale:** 1:3000 (Arch E)

**Date:** February 2026 May 2024

**Drawn By:** C.P. **File No.:** 12135B

**Checked By:** B.Z. J.N.

**File Name:** Rehabilitation Plan

**Drawing No.:** 4 of 5

**File Path:** E:\Brechin\12135B\Tasker - Proposed Brechin Quarry\Drawings\Site Plan\CAD\12135B - Site Plan.dwg

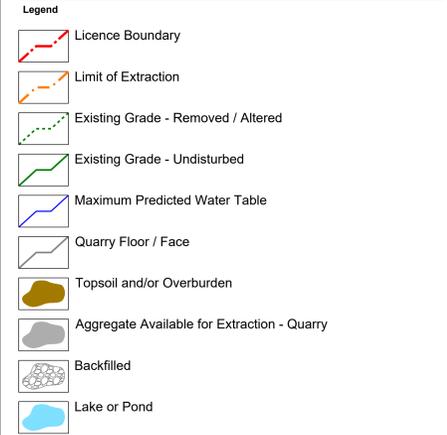


**Habitat Corridor Inset**  
Scale 1:2000

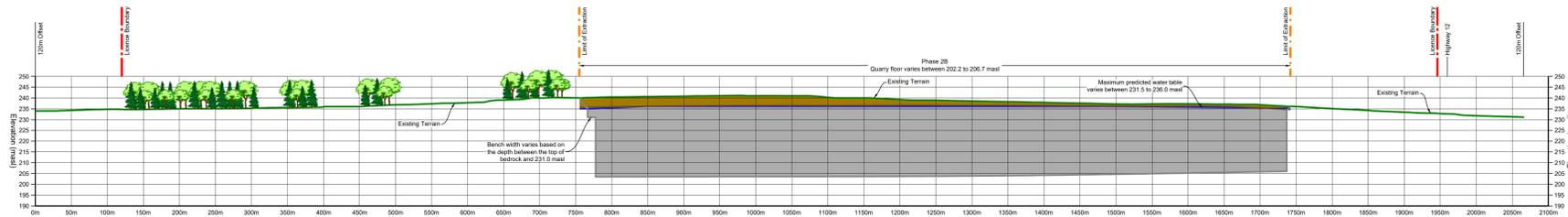


Adjusted extent of the berms to remain 14 metres from the Highway 12 ROW

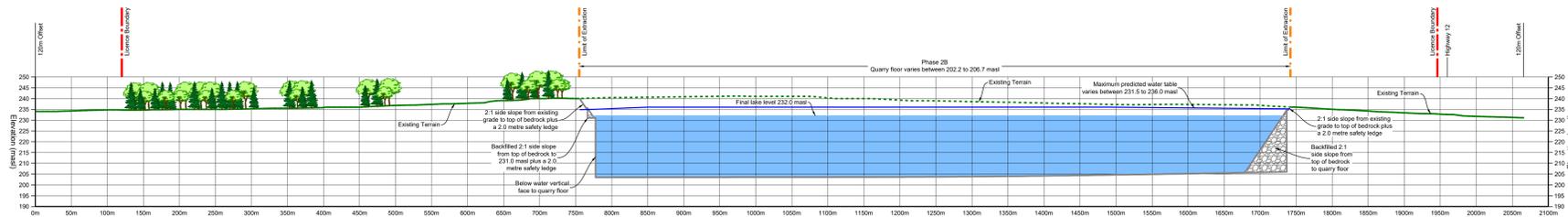
Adjusted the limit of extraction to exclude the woodland in the southwest corner.



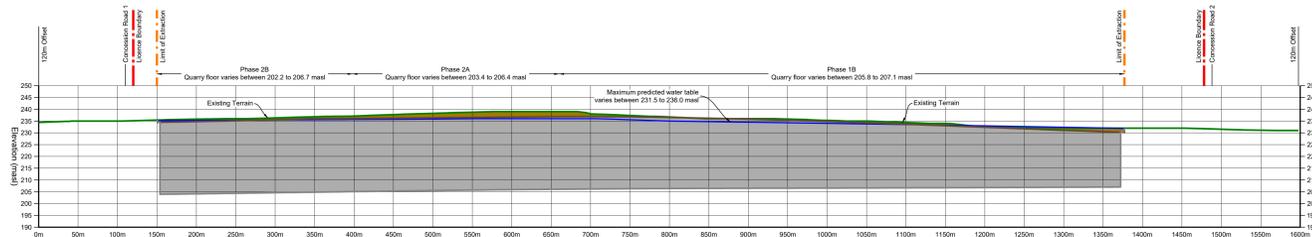
**Section A-A1 Existing**  
 Horizontal 1:3000  
 Vertical 1:1000



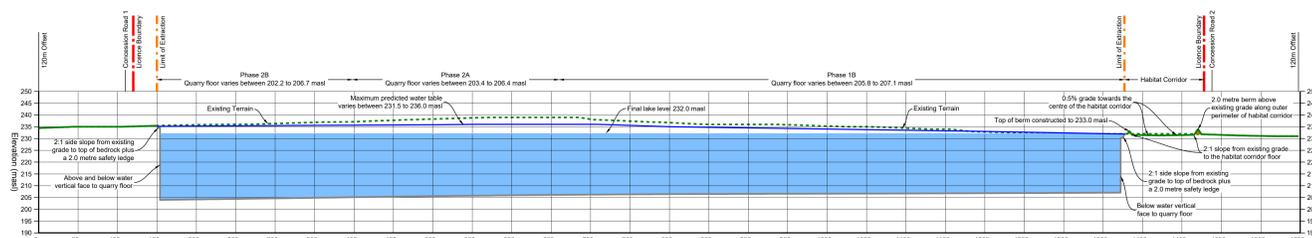
**Section A-A1 Rehabilitation**  
 Horizontal 1:3000  
 Vertical 1:1000



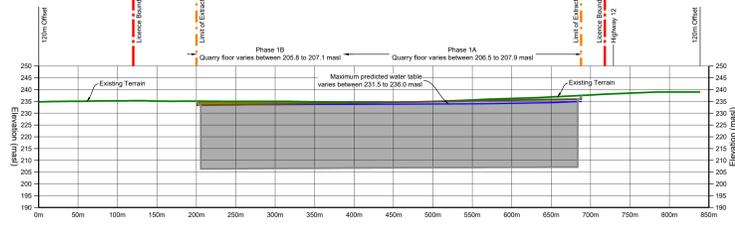
**Section B-B1 Existing**  
 Horizontal 1:3000  
 Vertical 1:1000



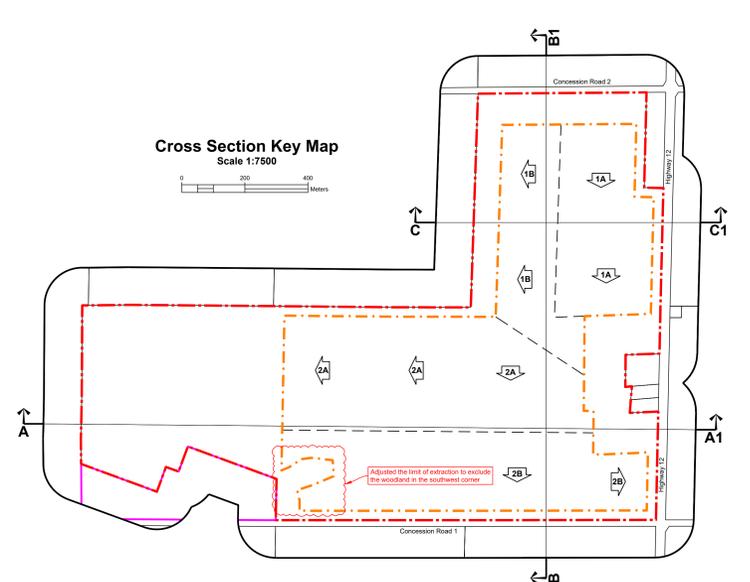
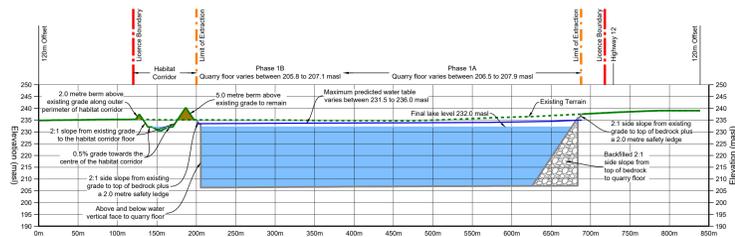
**Section B-B1 Rehabilitation**  
 Horizontal 1:3000  
 Vertical 1:1000



**Section C-C1 Existing**  
 Horizontal 1:3000  
 Vertical 1:1000



**Section C-C1 Rehabilitation**  
 Horizontal 1:3000  
 Vertical 1:1000



- Site Plan Acronyms**
1. ARA - Aggregate Resources Act
  2. MASL - Metres Above Sea Level
  3. MNR - Ministry of Natural Resources and Forestry
  4. MCM - Ministry of Citizenship and Multiculturalism
  5. MGCS - Ministry of Government and Consumer Services
  6. MECP - Ministry of Environment, Conservation and Parks
  7. MTO - Ministry of Transportation - Ontario
  8. DFO - Fisheries and Oceans Canada
  9. PTW - Permit to Take Water
  10. ECA - Environmental Compliance Approval
  11. ESA - Environmental Site Assessment Endangered Species Act
  12. SAR - Species at Risk
  13. LIO - Land Information Ontario
  14. CLC - Community Liaison Committee

**Site Plan Amendments**

| No. | Date | Description | By |
|-----|------|-------------|----|
|     |      |             |    |

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

| No. | Date          | Description                                                                                   | By  |
|-----|---------------|-----------------------------------------------------------------------------------------------|-----|
| 1   | May 2024      | Updated the site plan per the MNR's letter dated April 22, 2024.                              | CAP |
| 2   | February 2025 | Updated the site plan to incorporate community comments raised during the application review. | CAP |

**MHBC**  
 PLANNING  
 URBAN DESIGN  
 & LANDSCAPE  
 ARCHITECTURE

113 COLLIER STREET, BARRE, ON, LAM 1H2 | P: 705.728.0445 | F: 705.728.2010 | WWW.MHBC.PLAN.CAN

**MNR Stamp**

**MHBC Stamp**

Christopher P. [Signature]  
 Is authorized by the Minister of Natural Resources and Forestry pursuant to Subsection 2(3)(1) of Ontario Regulation 647/10 to prepare and issue site plans.

**Applicant**

LCP Quarry Limited  
 145 Adelaide Street West  
 Suite 500  
 Toronto, Ontario  
 M5H 4E5

**Project**

**Brechin Quarry**  
 1646 & 1506 Highway 12 and 2440 & 2530 Concession Road 1, Brechin, Ontario, L0K 1B0

**MNR Licence Reference No.**

**626641**

**Applicant's Signature**

**Plan Scale:** 1:3000 (Arch E)

**Date:** February 2026 May 2024

**Drawn By:** C.P. **File No.:** 12135B

**Checked By:** B.Z. J.N.

**File Name**

**Cross Sections**

**Drawing No.**

**5 of 5**