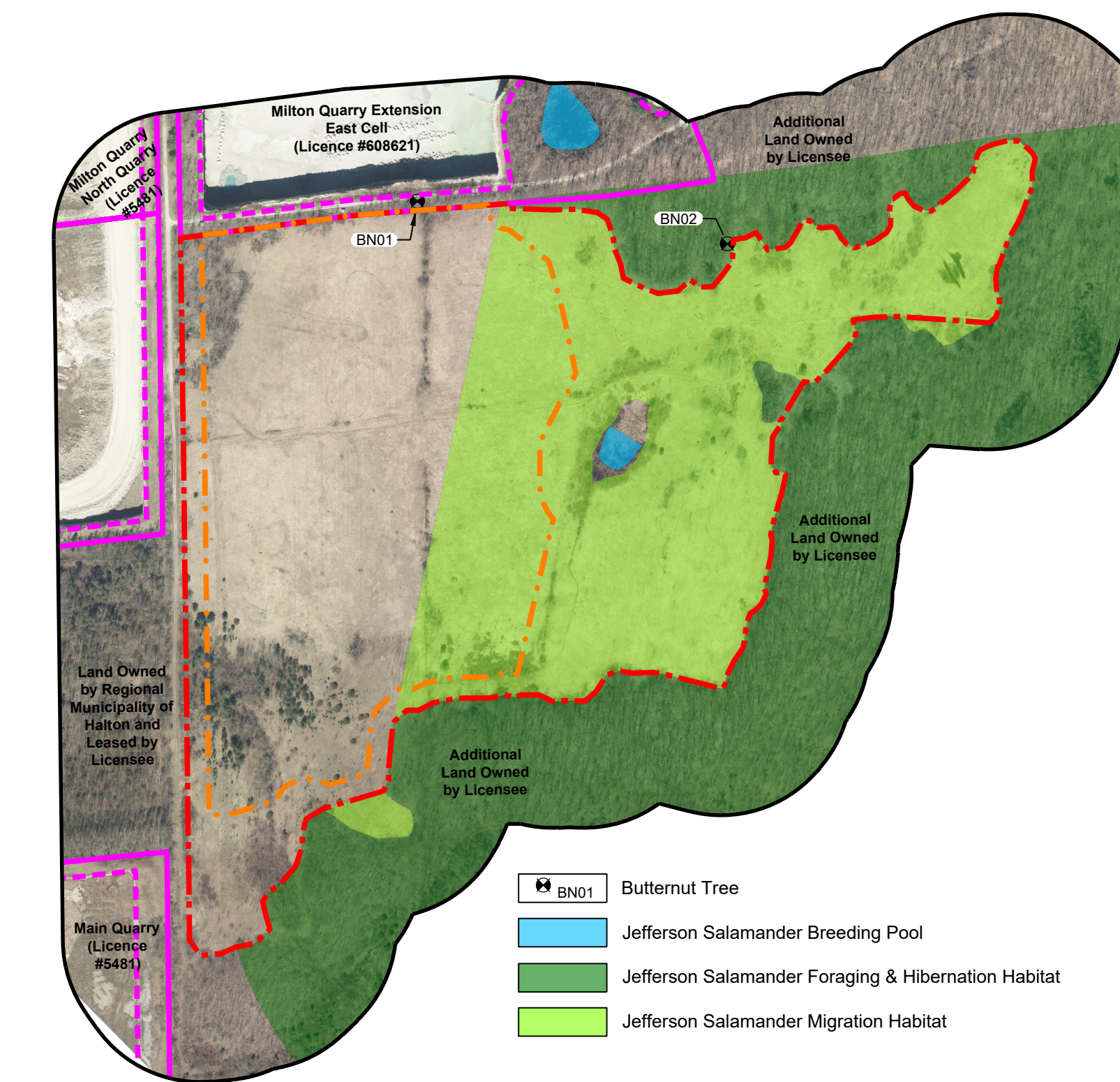
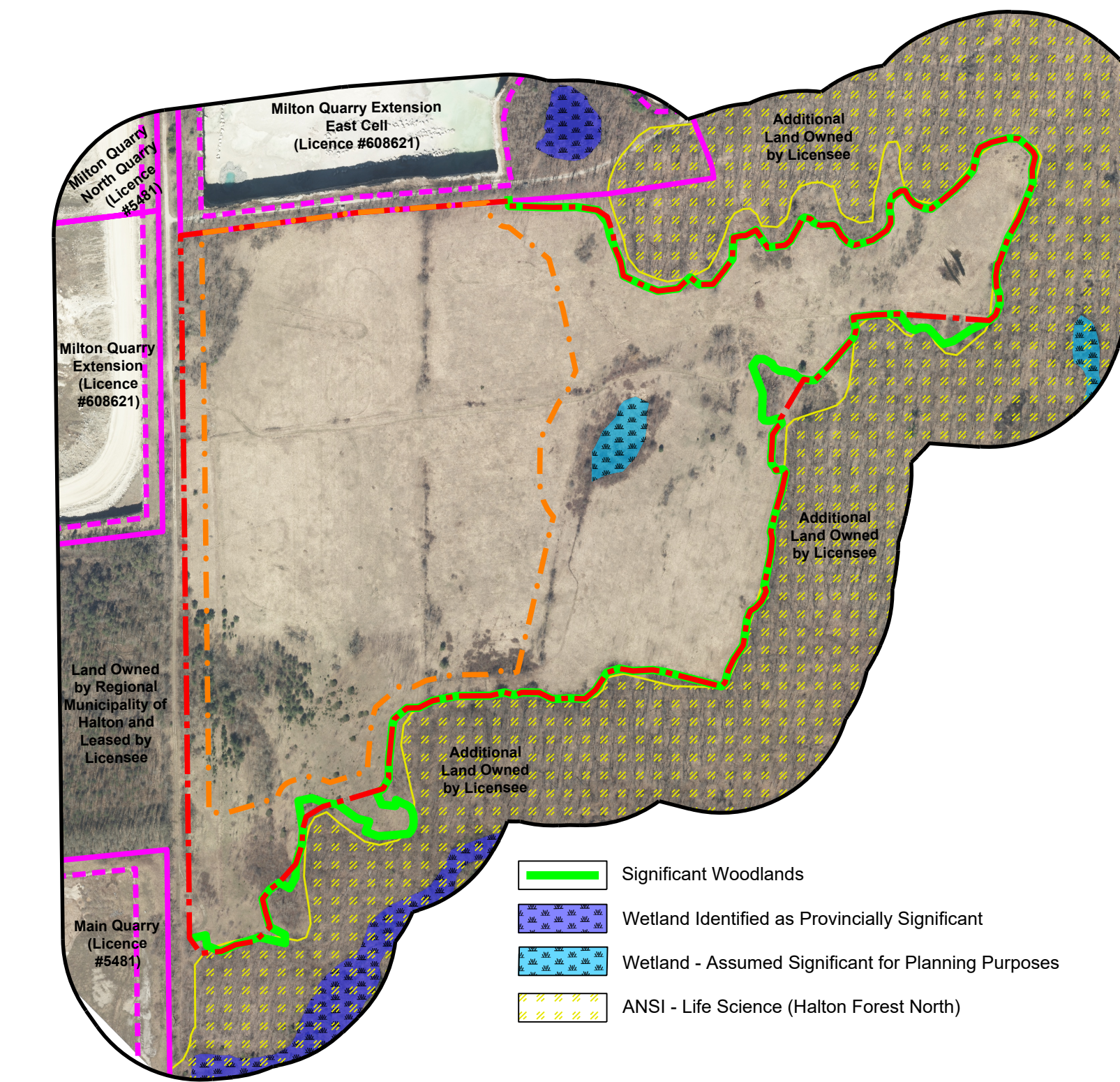
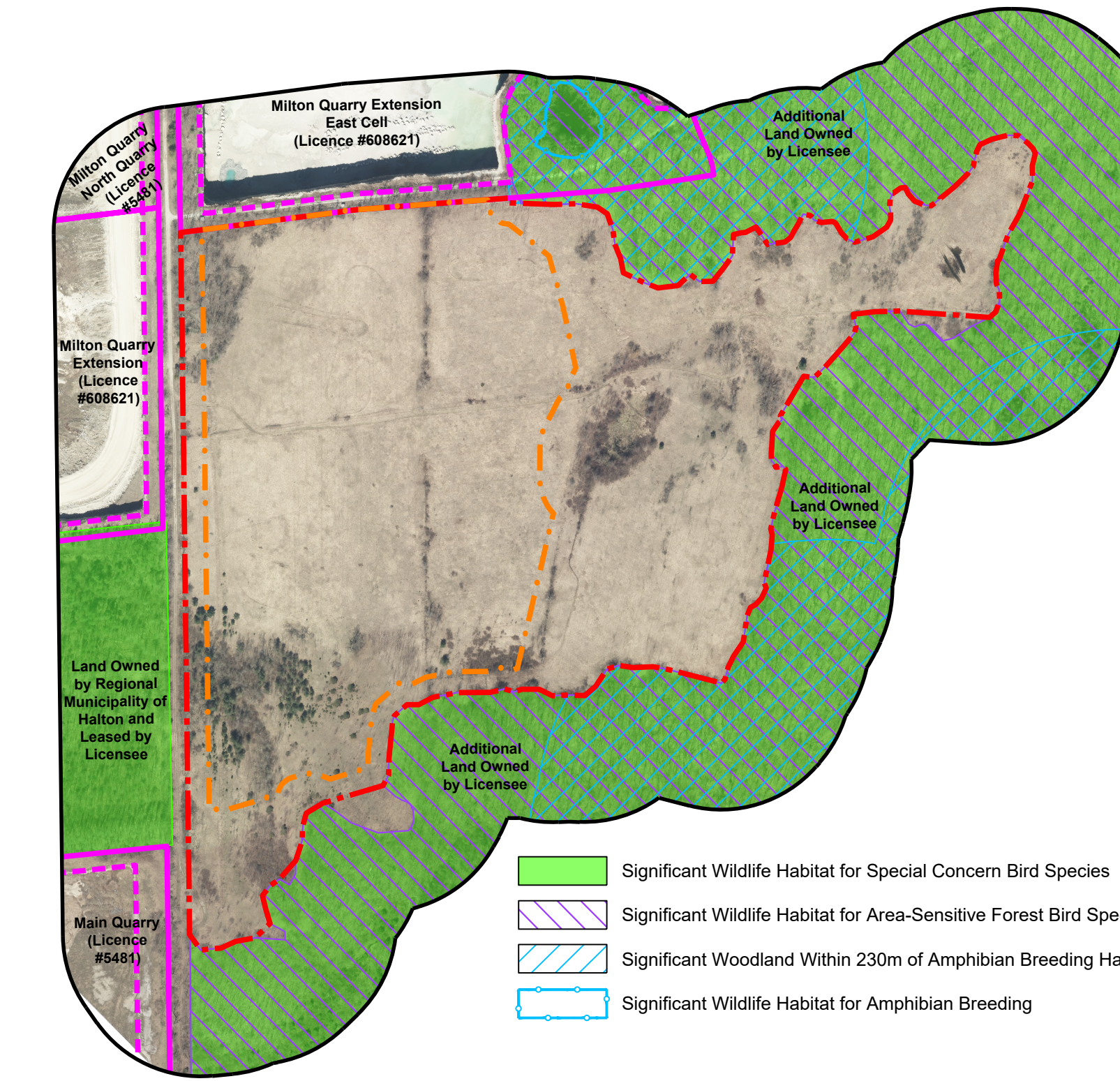
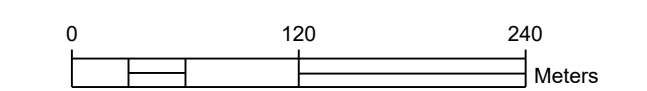


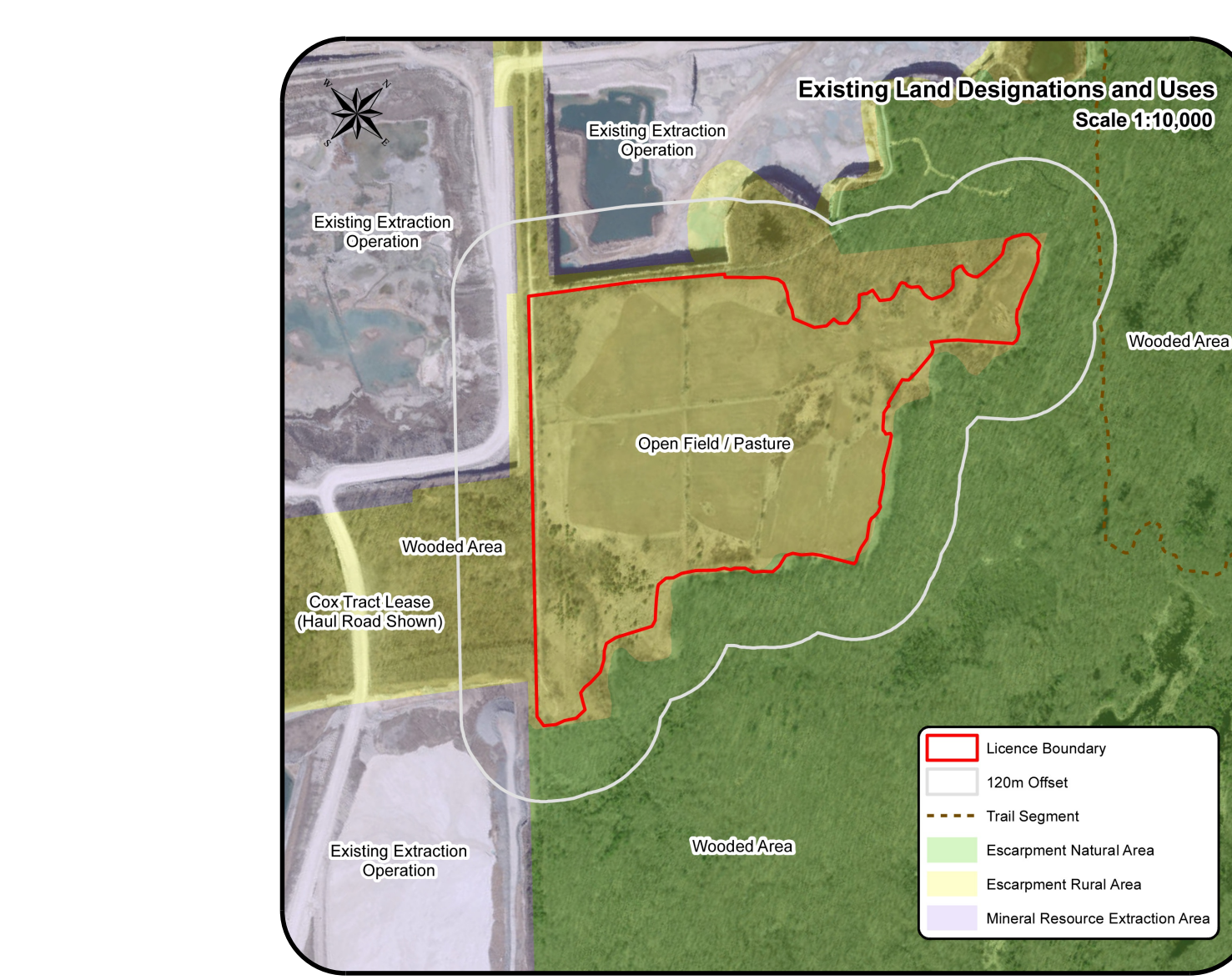
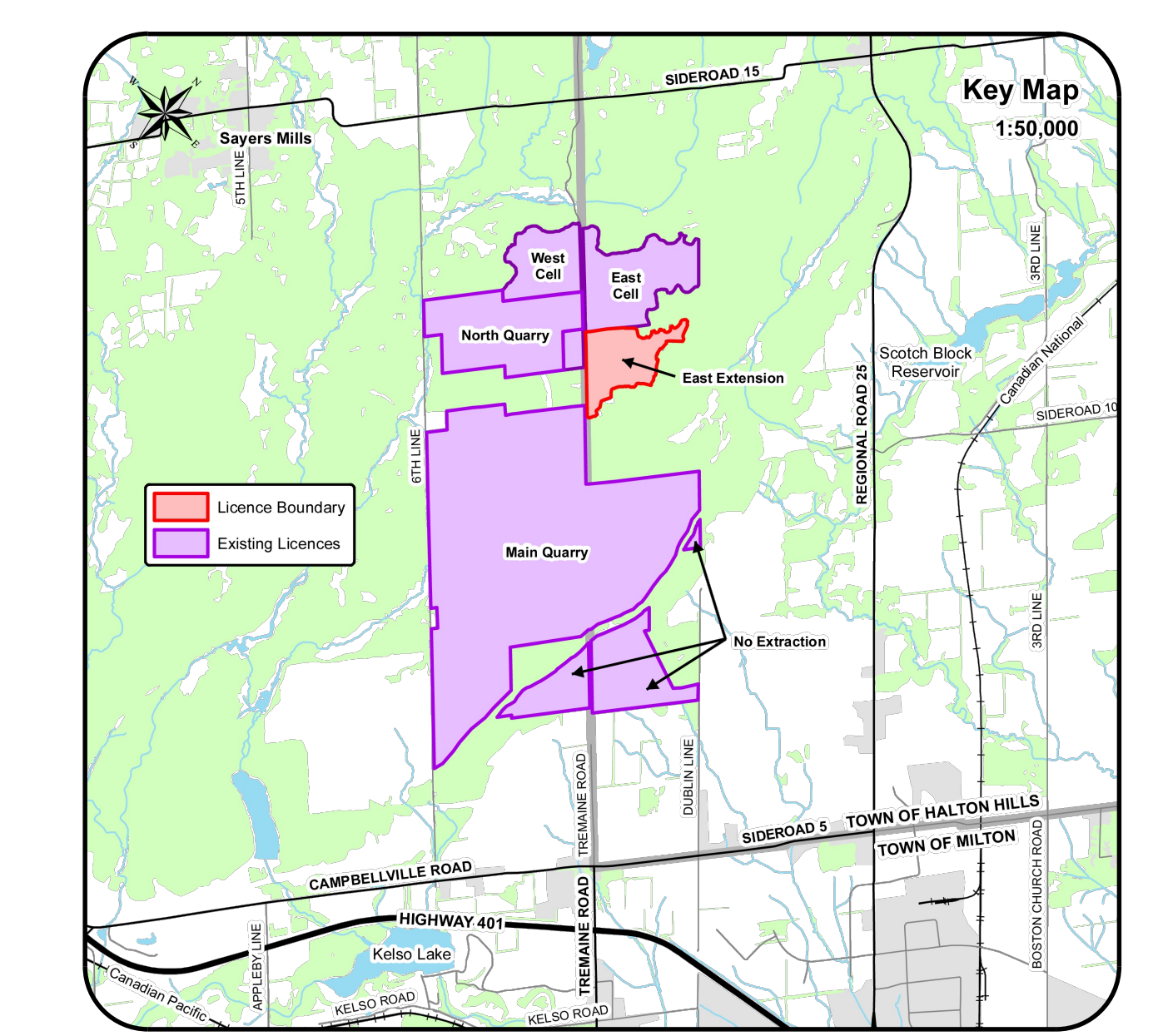
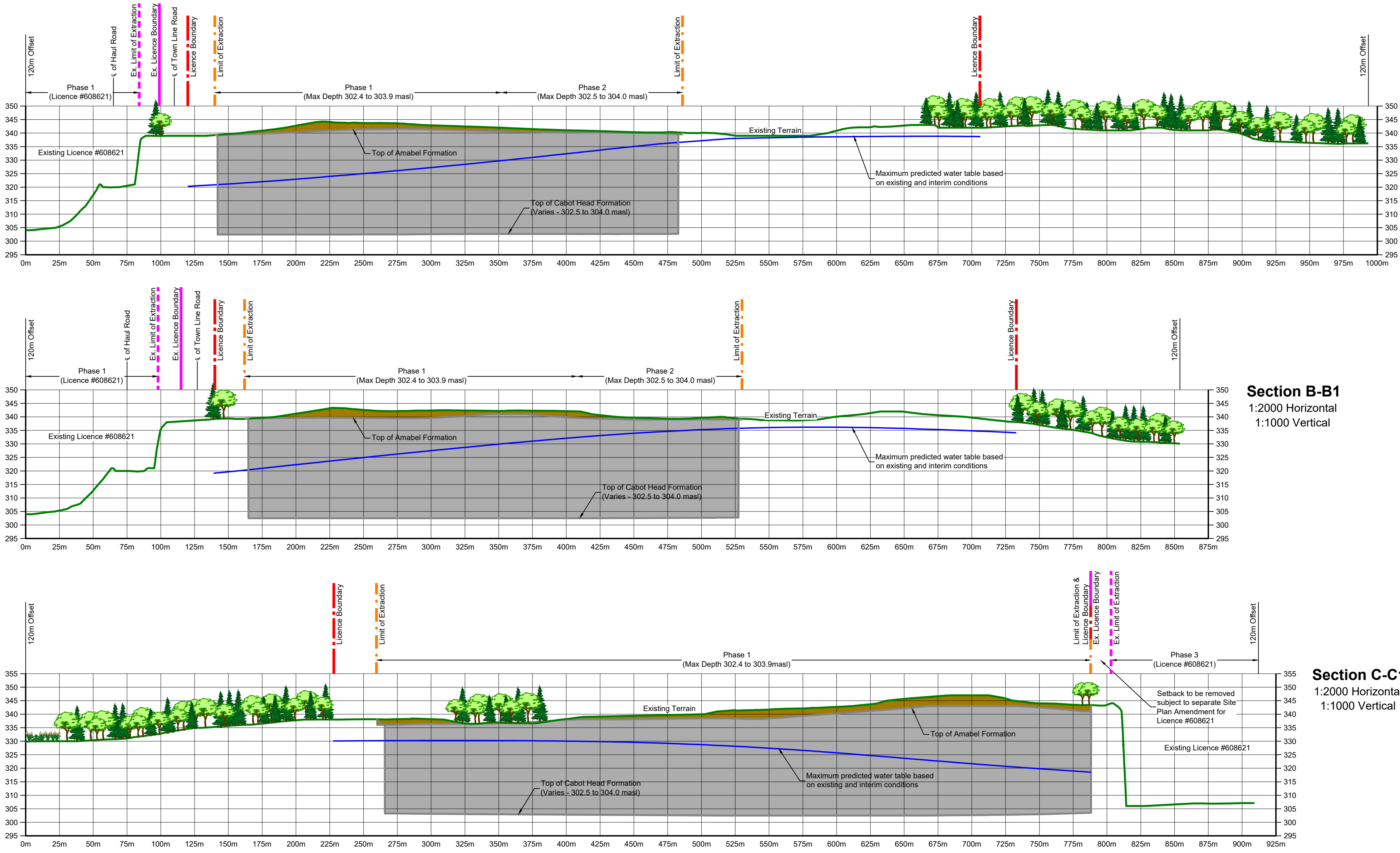
Schedule 2 - ARA Site Plan

Key Natural Heritage Features Schematic
Scale 1:4000



Source: 2019 aerial photography from First Base Solutions

- General Notes:**
- Numbering scheme used for general and existing features refers to Aggregate Resources of Ontario Site Plan Standards.
 - A key map identifying the location of the licence is provided on the plan view of this drawing.
 - The general description of the geographic location of the site is provided in the titleblock on each drawing.
 - All topographic features are shown to scale in Universal Transverse Mercator (UTM) with North American Datum 1927 (NAD27), Zone 17 (metre), Central Meridian 81 degrees west coordinate system. Northing and easting coordinates for solid contours and where an entrance/exit intersects the licence boundary have been identified on the plan view.
 - The plan view on each drawing is at a scale of 1:2000 unless otherwise specified.
 - The applicant's contact information and signature is contained in the titleblock on each drawing.
 - Not applicable since it only applies to wayside permits.
 - The name and signature of the individual who prepared the site plan is located in the titleblock on each drawing.
 - This site plan is prepared under the Aggregate Resources Act (ARA) for a Class 'A' Licence for a quarry below the ground water table.
 - All references to north, south, east and west are based on site north (not true north).
 - The schedule for site plan amendments is contained in the titleblock for each drawing.
 - See titleblock for legend.
 - The licence boundary of the site including bearings (where applicable), dimensions and northing and easting coordinates are identified on the plan view of this drawing.
 - Area Calculations:
Licence boundary 30.2 ha
Limit of extraction 15.8 ha
 - Lot and concession lines are displayed and labelled on the plan view for each drawing.
- Existing Features Notes:**
- The following sources were utilized in preparation of this site plan:
 - General References**
 - Topographic information (excluding contours - see Note 23 on this drawing) was obtained from numerous sources including Ontario Geobase (Land Information Ontario), Northway Photomaps Inc. aerial photography captured in the spring of 1997, Google Earth Pro aerial photography captured on May 7, 2016 and field investigations for technical reports.
 - The licence boundary was established using a Sketch prepared by Fred G. Cunningham - Ontario Land Surveyors, dated December 2, 1997 and the significant woodland boundary provided by Goodson Ecological Consulting Inc. (GEC) dated March 23, 2021. Distances between northings and eastings are approximate and for reference purposes only.
 - Land use designations on and within 120 metres of the licence boundary are from the Niagara Escarpment Plan, Map 3 - Regional Municipality of Halton, approved June 1, 2017. All land within the licence boundary is designated Escarpment Rural Area. Municipal zoning in this area does not apply.
 - Land use information identified on or within 120 metres of the licence boundary was determined using Google Earth Pro aerial photography captured on May 7, 2016.
 - Technical Report References**
 - Agricultural Impact Assessment, Milton Quarry East Extension, DBH Soil Services Inc., November 4, 2021.
 - Milton Quarry East Extension Noise Impact Study, Aerocoustics Engineering Ltd., March 14, 2023.
 - Milton Quarry East Extension Noise Impact Study, Addendum Letter, Aerocoustics Engineering Ltd., April 20, 2023.
 - Milton Quarry East Extension Agricultural Impact Assessment, DBH Soil Services Inc., November 4, 2021.
 - Duffern Milton Quarry East Extension Air Quality Assessment, RWDI, November 16, 2021.
 - Stage 1 and 2 Archaeological Assessment Milton Quarry East Extension, Golden Associates Ltd., April 30, 2021.
 - Stage 3 Archaeological Assessment Milton Quarry East Extension, Golden Associates Ltd., April 30, 2021.
 - Blast Impact Analysis Milton Quarry East Extension, Explotech, November 25, 2021.
 - Cultural Heritage Impact Assessment Report Milton Quarry East Extension, MHBC, December 2021.
 - Milton Quarry East Extension Fiscal Impact Study, Atlas Group Economic Consulting, November 15, 2021.
 - Geology and Water Resources Assessment Report Duffern Aggregates Milton Quarry East Extension, GHJ, December 2021.
 - Addendum to Updated Adaptive Environmental Management and Protection Plan (AMP) Milton Quarry East Extension, GHJ and Goodson Ecological Consulting Inc. (GEC), August 2023.
 - Level 1 and 2 Natural Environment Technical Report (NETR) and Environmental Impact Assessment (EIA) Duffern Aggregates Milton Quarry East Extension, Goodson Ecological Consulting Inc. (GEC), December 2021.
 - Ecological Enhancement Plan (EEP) & Rehabilitation Plan Report, Duffern Aggregates Milton Quarry East Extension, Goodson Ecological Consulting Inc. (GEC), December 2021.
 - Traffic Impact Study/ Road Route Assessment Duffern Aggregates Milton Quarry East Extension, The Municipal Infrastructure Group Ltd. (TMIG), April 2023.
 - Visual Impact Assessment Proposed Extension of the Milton Quarry, MHBC, November 2021.
 - Progressive and Final Rehabilitation and Monitoring Study, Duffern Aggregates Milton Quarry East Extension, MHBC, December 2021.
 - Municipal zoning on and within 120 metres of the licence boundary does not apply (see Note 15 a.c. on this drawing).
 - Existing land designations and uses are provided on this drawing.
 - The maximum predicted water table (based on existing and interim conditions) within the limit of extraction varies between 315.1 and 336.7 metres above mean sea level (see plan view on drawing 2 of 4 for location).
 - A field access exists in the location shown on the plan view.
 - All significant natural features on and within 120 metres of the licence boundary are shown on the Key Natural Heritage Schematic on this drawing.
 - All significant human-made features on and within 120 metres of the licence boundary are shown on the plan view.
 - There buildings and structures associated with the water mitigation system (eg. control huts) within 120 metres of the licence boundary.
 - Contours were obtained from the Region of Halton's Open Data Catalogue which were derived from 2019 aerial photography and are displayed in one metre intervals. Elevations shown are in metres above mean sea level (masl).
 - Surface drainage on and within 120 metres of the licence boundary is to be overland flow in the directions shown by arrows on the plan view, or by infiltration.
 - The location of existing tree cover on and within 120 metres of the licence boundary is shown on the plan view.
 - Post and wire fencing (unless noted otherwise) exists in the locations shown on the plan view.
- Aggregate Resources of Ontario Site Plan Standards notes 27 to 32:
There are no existing aggregate operations or features on-site such as processing areas with stationary or portable equipment, stockpiles, recyclable materials, scrap, haul roads, fuel storage, berms or excavation faces.



- Legend**
- Licence Boundary
 - Limit of Extraction
 - Contours with Elevation
 - Road
 - Field Access
 - Excavation Face
 - Disturbed Area
 - Wooded Area
 - Wetland
 - Control Hut
 - Existing Licence Boundary
 - Existing Limit of Extraction
 - 120m Offset From Licence Boundary
 - Lots and Concessions
 - Trail Segment
 - Overhead Hydro
 - Existing Watermain
 - Fence
 - Entrance / Exit
 - Direction of Surface Drainage
 - Cross Sections

- Legend - Cross Sections**
- Licence Boundary
 - Limit of Extraction
 - Existing Licence Boundary
 - Existing Limit of Extraction
 - Existing Grade
 - Maximum Predicted Water Table
 - Maximum Depth of Excavation
 - Topsoil and/or Overburden
 - Aggregate Available for Extraction

Site Plan Amendments

No.	Date	Description	By

Site Plan Revisions (Pre-Licensing)

No.	Date	Description	By
1	January 2022	Update Operational Plan per feedback from MNR	CAP
2	July 2022	Update site plan per agency comments	CAP
3	September 2022	Add additional features to the Key Natural Heritage Features Schematic. Minor house reorg. Adjust limit of extraction based on revised wetland and woodland boundaries. Identify additional wooded areas on the plan view.	CAP
4	August 2023	Update boundary for Wetland V2	CAP
5	October 2023	Update drawings 2, 3 and 4 of 4 per agency comments	CAP
6	January 2025	Update the site plan to address comments from Six Nations	CAP

MHBC Stamp

PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE

113 COLLIER STREET, BARRE, ON, L4M 1H2 | P: 705.728.0045 | F: 705.728.0110 | WWW.MHBCPLAN.COM

MHBC Stamp

Brian Zeman
Is authorized by the Ministry of Natural Resources pursuant to Subsection 0.2(3)(e) of Ontario Regulation 244/97 to prepare and certify site plans.

Christopher Poole
Is authorized by the Ministry of Natural Resources pursuant to Subsection 0.2(3)(f) of Ontario Regulation 244/97 to prepare and certify site plans.

Applicant

Dufferin Aggregates
A Division of CRH Canada Group Inc.
2300 Steeles Avenue West, 4th Floor
Concord, Ontario
L4K 5X6

Project
Milton Quarry East Extension
10305 Nassagaweya Esquewing Townline, Halton Hills, Ontario

MNR Licence Reference No.
626561

Applicant's Signature
Christopher Poole

Plan Scale: 1:2000 (Arch E)

Date January 2025

Drawn By C.P. **File No.** 9061DJ

Checked By B.Z.

File Name Existing Features & Cross Sections

Drawing No. 1 of 4

File Path N:\dmm\9061DJ - Dufferin - Milton Quarry East Extension\Drawings - Must be in NAD 27 Site Plan\CAD\9061DJ - Site Plan.dwg

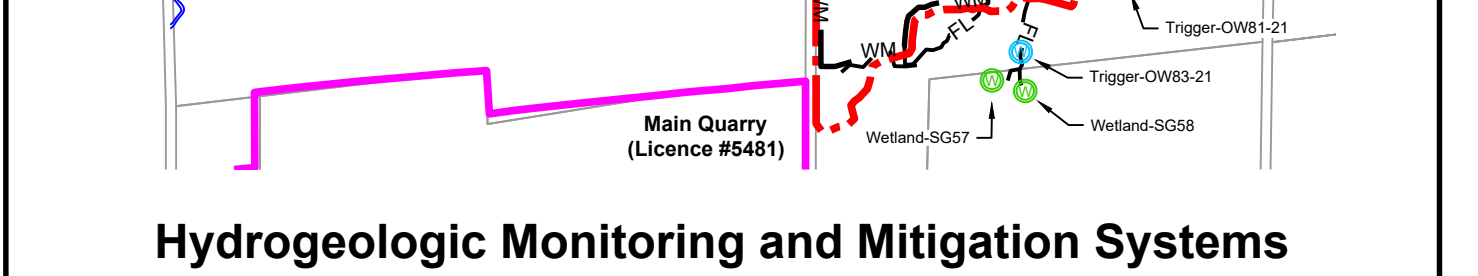
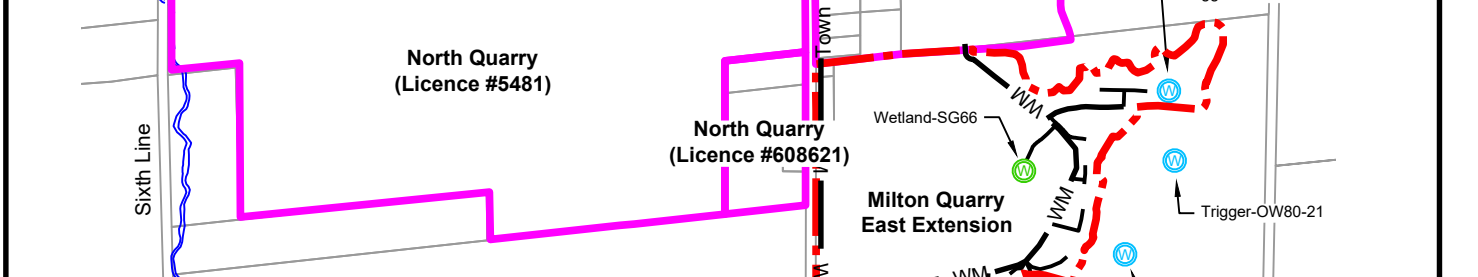
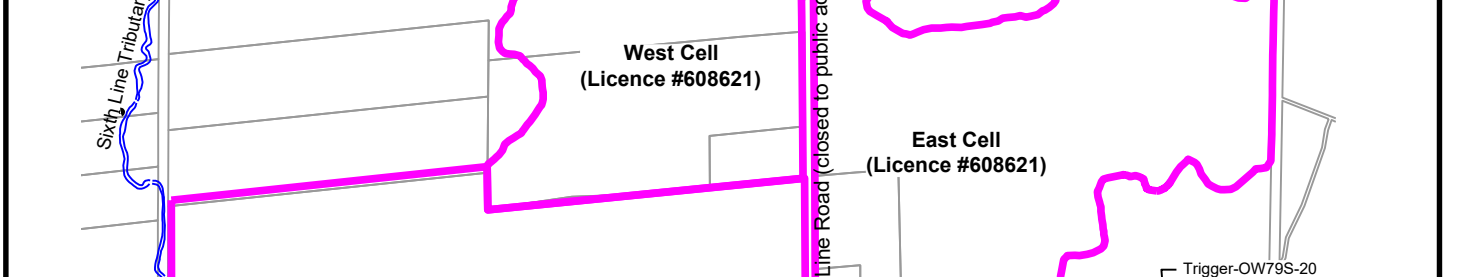
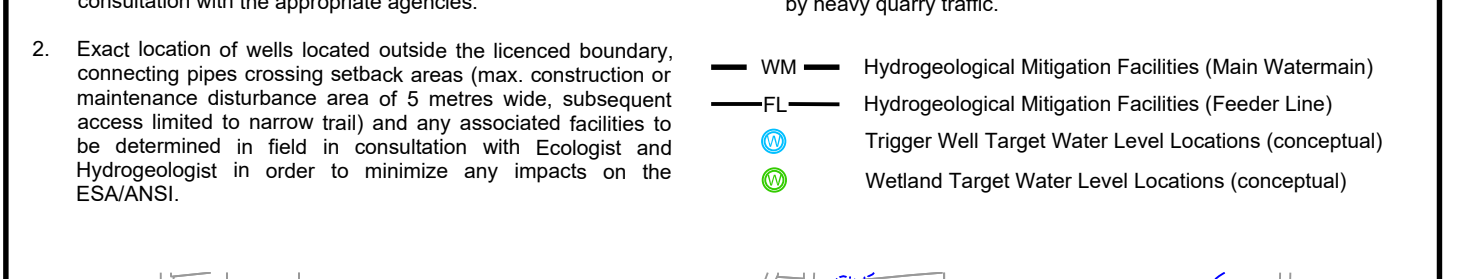
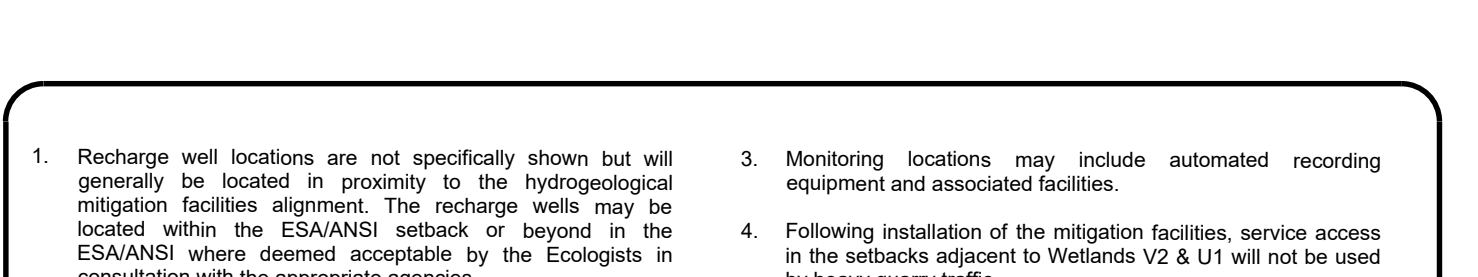
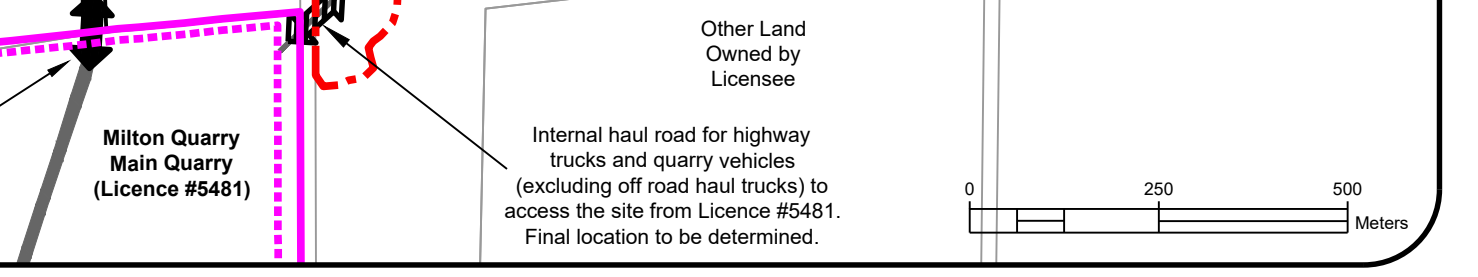
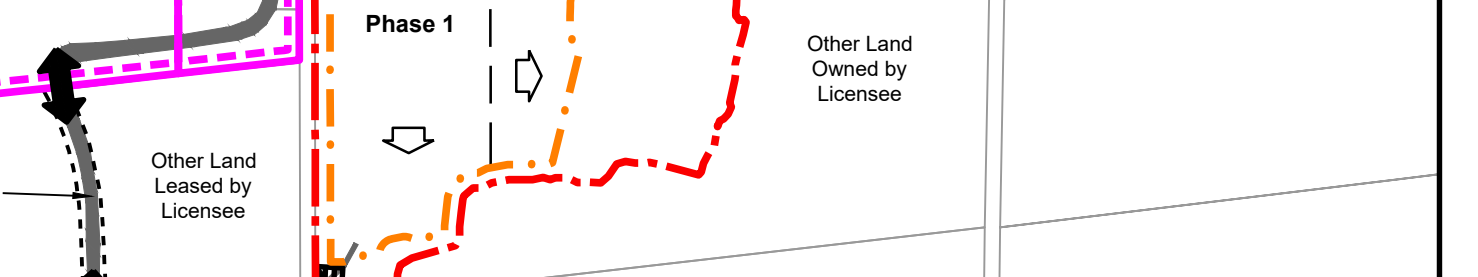
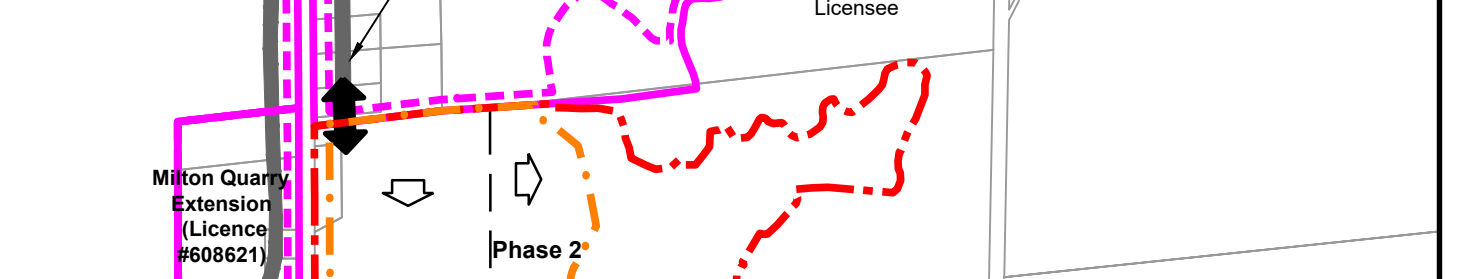
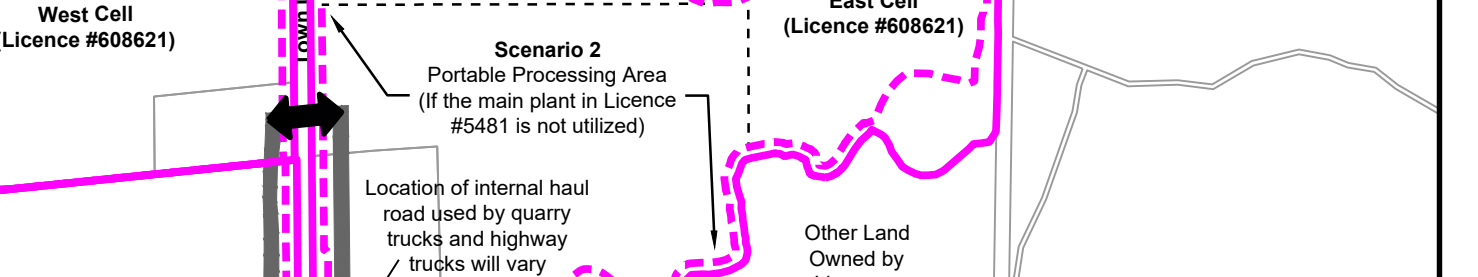
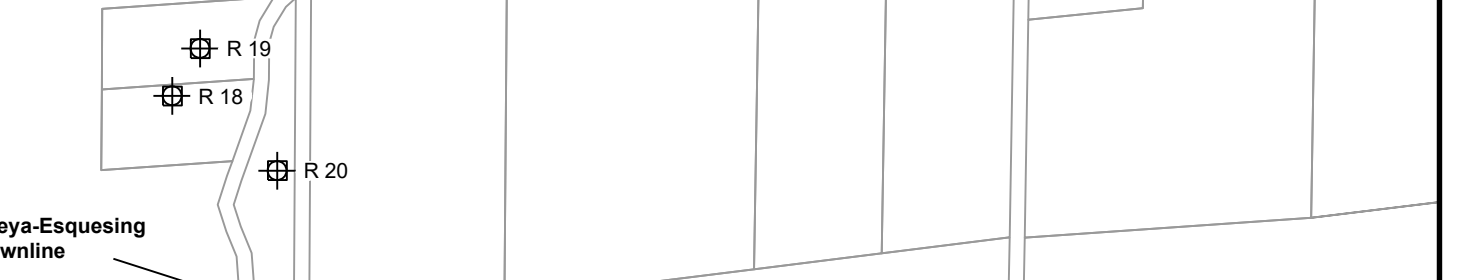
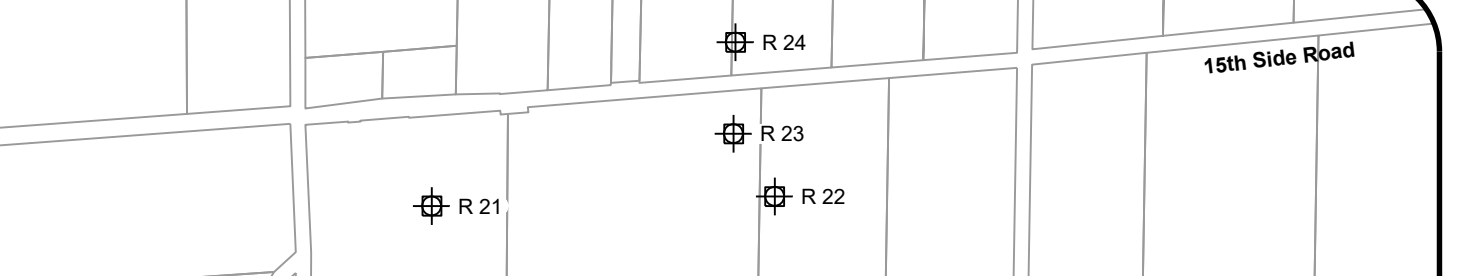
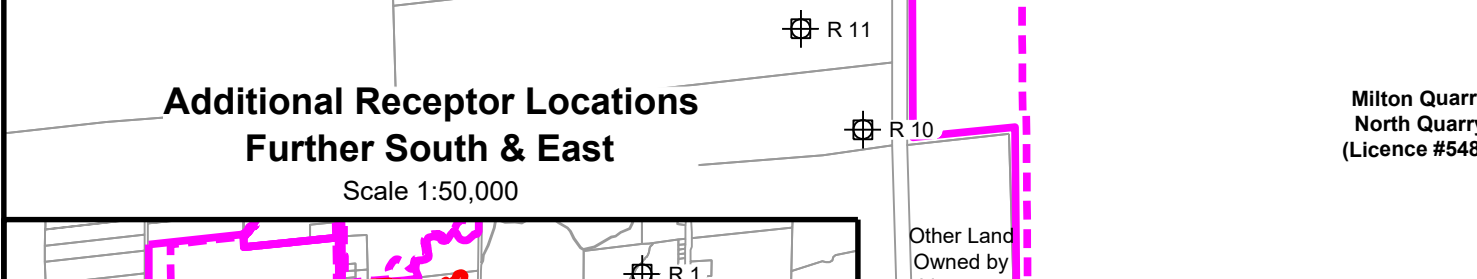
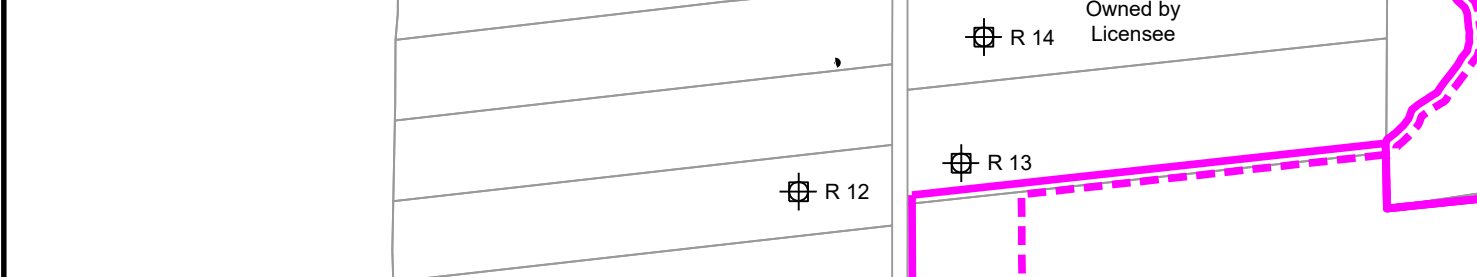
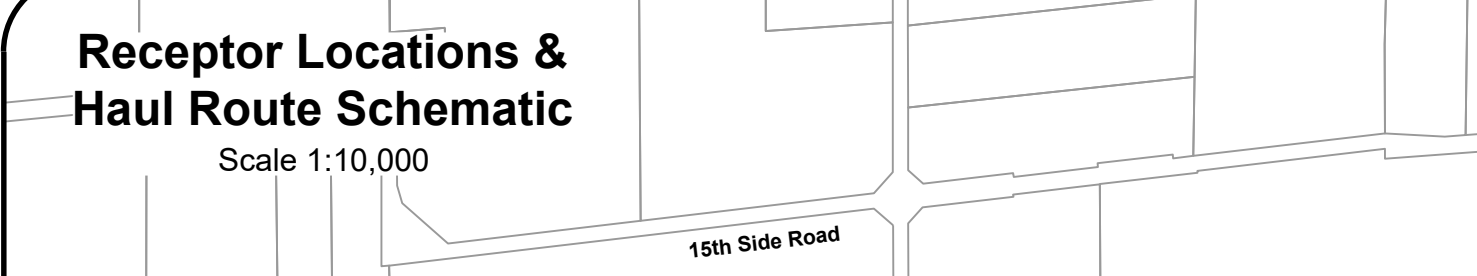
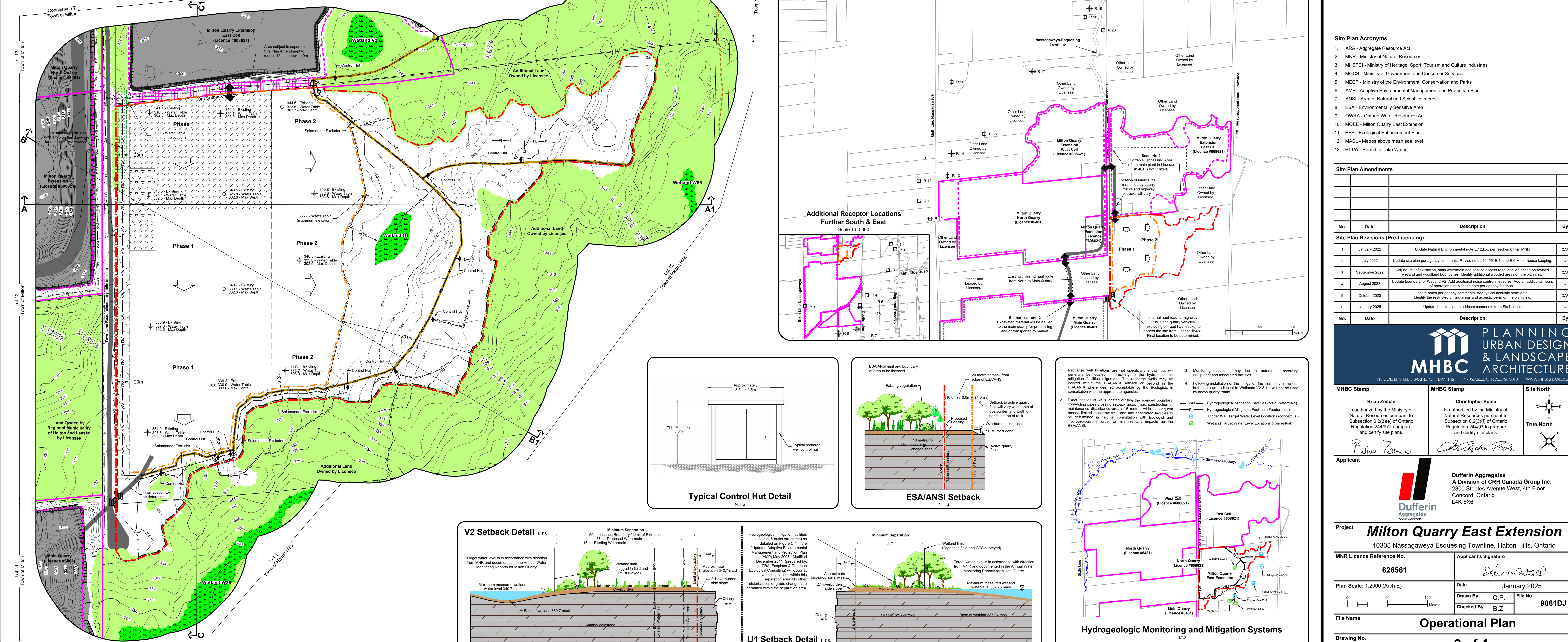
- Site Plan Acronyms**
- ARA - Aggregate Resource Act
 - MNR - Ministry of Natural Resources
 - MHSTCJ - Ministry of Heritage, Sport, Tourism and Culture Industries
 - MGCS - Ministry of Government and Consumer Services
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 - ANSI - Area of Natural and Scientific Interest
 - ESA - Environmentally Sensitive Area
 - OWRA - Ontario Water Resources Act
 - MOEE - Milton Quarry East Extension
 - EEP - Ecological Enhancement Plan
 - MASL - Metres above mean sea level
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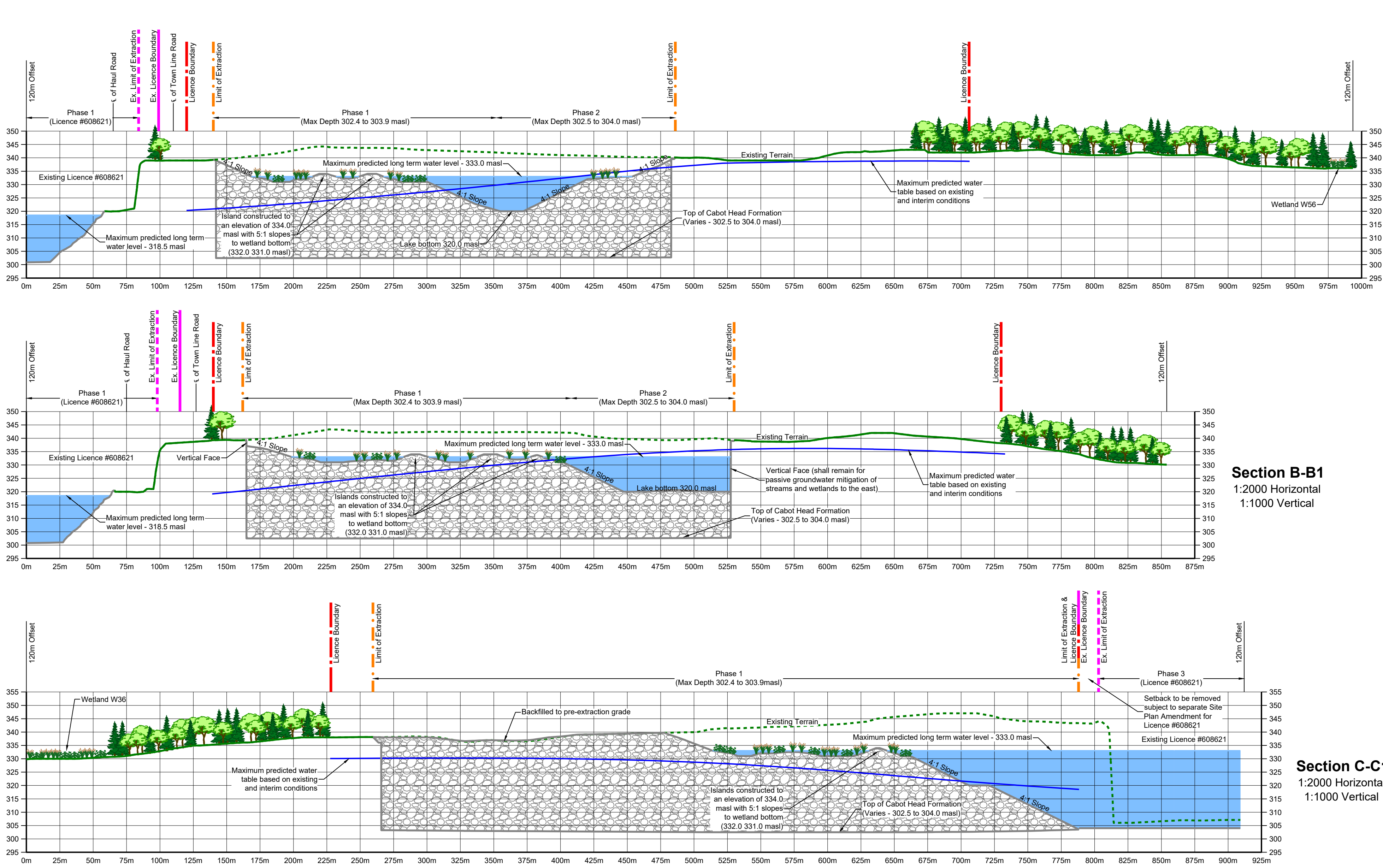
- 31. All excavations and sites are shown on the plan view of the drawing. Highway trucks and quarry vehicles will access Phases 1 and 2 anywhere along the common limit of extraction with Licence #68621. Highway trucks and quarry vehicles (including off road trucks) may also use the entranced in the southwest corner of Phase 1 to access the site from Licence #5481 for rehabilitation purposes. A gate shall be installed at the entrance in the southwest corner of Phase 1 kept closed during hours of non-operation and maintained. A gate shall not be required where haul roads cross the common boundary with Licence #68621 (see Operational Note 34 - Variations from Control and Operation Standards on this drawing).
- 32. The area to be extracted is 15.8 ha.
- 33. Not applicable since it only applies to aggregate pits.
- 34. Prior to any site clearing, the licence boundary shall be fenced with 1.2m post and wire fencing in the locations shown on the plan view. Fencing shall not be required along the common boundary with Licence #68621 to eliminate constraints associated with the extraction operation, along the north boundary of the licence since the property boundary is already fenced and in the southwest corner since there is an existing fence to the east (see Operational Note 34 - Variations from Control and Operation Standards on this drawing).
- 35. Wherever the licence boundary is not fenced, the licence boundary shall be delineated with marker posts at a maximum of 30 metres apart. The marker posts shall be visible from one marker post to the next.
- 36. The entire site will be fenced through a combination of existing and proposed fencing to restrict access to the extraction area and the area consisting of the main watermain. All fencing shall be maintained in accordance with the Site Plan Standard.
- 37. Through the life of the operation there shall:
 - 37.1. Be no buildings or structures except those associated with the Water Management System;
 - 37.2. Be no scrap areas;
 - 37.3. Be internal haul roads located anywhere on the quarry floor;
 - 37.4. Be service access roads to access the watermains, feeder lines and associated facilities for the recharge mitigation system, and for drills and blasting trucks;
 - 37.5. Be stockpiles of aggregate, topsoil and overburden located anywhere within the limit of extraction (see Operational Note 34 - Variations from Control and Operation Standards on this drawing);
 - 37.6. No excavated areas or structures shall be located in the extraction area.
 - 37.7. Be no buildings or structures except those associated with the Water Management System;
 - 37.8. Be no scrap areas;
 - 37.9. Be internal haul roads located anywhere on the quarry floor;
 - 37.10. Be service access roads to access the watermains, feeder lines and associated facilities for the recharge mitigation system, and for drills and blasting trucks;
 - 37.11. Be stockpiles of aggregate, topsoil and overburden located anywhere within the limit of extraction (see Operational Note 34 - Variations from Control and Operation Standards on this drawing);
 - 37.12. No excavated areas or structures shall be located in the extraction area.
 - 37.13. Be no buildings or structures except those associated with the Water Management System;
 - 37.14. Be no scrap areas;
 - 37.15. Be internal haul roads located anywhere on the quarry floor;
 - 37.16. Be service access roads to access the watermains, feeder lines and associated facilities for the recharge mitigation system, and for drills and blasting trucks;
 - 37.17. Be stockpiles of aggregate, topsoil and overburden located anywhere within the limit of extraction (see Operational Note 34 - Variations from Control and Operation Standards on this drawing);
 - 37.18. No excavated areas or structures shall be located in the extraction area.
- 38. No processing shall occur on-site and operations will occur in one of two scenarios. In Scenario 1, aggregate is extracted from this licence and processed in the processing area in Licence #68621 (see Note 7.9). In Scenario 2, aggregate is extracted from this licence and processed in the processing area in Licence #5481 (see Note 7.9). In Scenario 3, aggregate is extracted from this licence and processed in the processing area in Licence #68621. Licence #5481 will only be used to transport the aggregate to the main processing area in Licence #68621 (see Note 7.9).
- 39. Aggregate recycling shall not occur within this licence.
- 40. The site shall be extracted in two phases. Phase 1 shall be extracted in a southerly direction and Phase 2 shall be extracted in an easterly direction (as depicted on the plan view).
- 41. Prior to the stripping of topsoil and overburden, Natural Environment Note E.2 and E.4 shall be implemented and notes E.6 to E.9 shall be adhered to. Topsoil and overburden shall be stripped and stored separately wherever there are distinguishable layers and sufficient thickness to allow separate handling.
- 42. Topsoil and overburden materials may be moved between this site and Licence #5481 and #68621 (see Operational Note 34 - Variations from Control and Operation Standards on this drawing). Soil materials on site shall be classified and separated where appropriate as:
 - Organic and topsoils (for final dressing to promote regeneration);
 - Manufactured fill and
 - Structural material
- 43. Temporary topsoil and overburden stockpiles which remain for more than six months shall be graded and seeded to control erosion. Seeding shall not be required if these stockpiles have vegetated naturally in the six months.
- 44. The maximum number of lifts to this site, while the majority of the operation will occur in two lifts. Operations may go to one or three lifts as required based on depth of resource or mitigation requirements. The depth of the first lift shall vary from the surface to depth to adapt to topography and thickness of the resource to be extracted. The depth of the second lift shall be determined using a survey control point in the quarry floor (see Environmental Protection Act). The active quarry area shall be developed using a quarry control point in the quarry floor through the resource area to the top of the cabnet haul above. Water shall be pumped from the ramps and conveyed through a surface and/or buried pipe discharge system. Ground and surface water shall be diverted to adjacent Licence #68621 and Licence #5481 for storage and re-charge into the ground water recharge and mitigation system.
- 45. The quarry for water use will be for:
 - The production of the environment fill (i.e. downstream flow to the Milton Falls Tributary as per agreement with Conservation Halton and operation of the mitigation system) to maintain water levels and support water levels and functions;
 - Operation of the quarry second and
 - Filling of the lakes that;
- 46. Any surplus water not required for these purposes and for which no storage is available shall be discharged to Milton Falls Reservoir Tributary.
- 47. The site is not within a wetland protection area and source water protection policies do not apply.
- 48. Prior to site preparation, a Split-Duct Contingency Plan shall be developed and implemented. Fuel trucks shall be utilized for refueling mobile equipment in accordance with the Liquid Fuel Handling Code. All sites on site shall be handled in accordance with the Spills Contingency Plan. No fuel shall be stored on-site.
- 49. See plan view on this drawing for maximum depth of extraction elevations through the use of spot elevations. The site plan shows for the full removal of the amphibian/viviparous limestone units and the proposed spot elevations may vary by 2.3 metres with the depth of the resources encountered.

48. No acoustic or visual barriers are required. Therefore, the location and minimum height of barriers has not been provided.
 49. No acoustic or visual barriers are required. Therefore, details regarding how barriers will be vegetation and maintained are not provided.
 50. Prior to extraction below the water table, installation of the hydrogeological monitoring and mitigation systems shall occur. Extraction of the water table will involve drilling test holes, blasting and loading blasted aggregate into Off-Road trucks where it will be transferred to Licence #68621 and Licence #5481 for processing and shipping to market. See Operational Note 38 for additional information.
 On-site equipment (and reference to noise emission levels in cba @ 30m where required in accordance with note F.3 on this drawing) will include:
 Site preparation and Rehabilitation
 • Backhoes
 • Haul trucks
 • Bulldozers
 • Scrapers
 • Graders
 • Compactors
 • Water hauler trucks
 • Trenching equipment
 • Maintenance trucks
 • Heavy trucks
 • Pickup trucks
 • Off-Road trucks
 Drilling, extraction and transport
 • 3 rock drills
 • 2 extraction loaders
 • 1 excavator
 • 24 Off-Road truck tips per hour (48 passes per hour) in Scenario 1 or 32 Off-Road truck tips per hour (64 passes per hour) in Scenario 2.
 • Water trucks
 • Fuel trucks
 • Maintenance trucks
 • Excavator trucks & service vehicles as required
 • Pickup trucks
 51. No visual tree screens are required.
 52. Hours of operation
 Extraction & processing
 • Monday to Sunday 24 hours per day
 Loading & shipping
 • Monday to Sunday 24 hours per day
 • Monday to Sunday between 7:00 a.m. and 7:00 p.m.
 Site preparation & rehabilitation
 • Monday to Sunday between 7:00 a.m. and 7:00 p.m.
 Drilling
 • Monday to Sunday between 6:00 a.m. and 6:00 p.m.
 Blasting
 • Monday to Sunday between 6:00 a.m. and 6:00 p.m.
 *When possible, site preparation and rehabilitation shall be limited to Monday to Friday between 7:00 am and 7:00 pm, but may occur during these times on Saturday and Sunday if required.
 Operations shall not occur on statutory holidays but maintenance may occur.

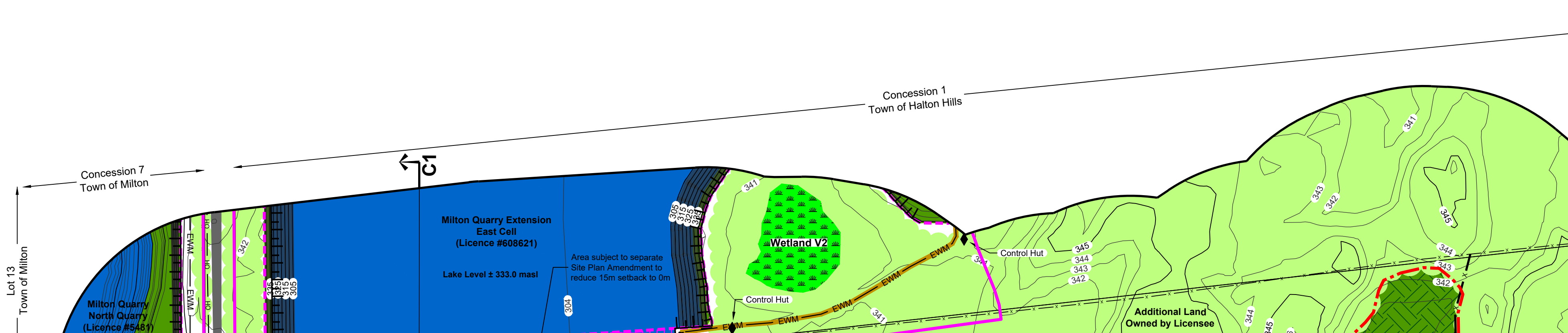
- 53. Timber resources shall be salvaged for use as saw logs, fence posts and fuel wood where appropriate. Stumps, trees, shrubs and brush cleared shall be used for rehabilitation of this site and Licence #68621 and Licence #5481 to provide coarse and fine wood debris to adjacent Licence #68621 for processing and shipping to market. See Operational Note 38 for additional information.
 - 54. Variations from Control and Operation Standards
- | Section Standard | Variation | Rationale |
|------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (11) 8.1 (12) | Gates shall not be required where haul roads cross the common boundary with Licence #68621. | This will eliminate constraints to the movement of equipment between locations owned by the same licensee. |
| (11) 9.4.1.1 | Excavation shall occur in the setback area to install the water mitigation system. | Water mitigation system is required to be built before the first lift. |
| (11) 6.1 | A 0 metres setback shall be provided where the licensee already existing Licence #68621. | This will enable material to be extracted along the common boundary and for rehabilitation to transition between licences. A site plan amendment for existing Licence #68621 is required. |
| (11) 6.1.1 | A 20 metre setback shall be provided along the western boundary adjacent to the road allowance which is closed to public access. | This will be consistent with Licence #68621 to the north which has a 20 metre setback along the western boundary adjacent to the road allowance which is closed to public access. |
| (11) 6.1.1.1 | Aggregate, topsoil and overburden stockpiles may be located within 30 metres of the licence boundary. | The licensee owns the land to the north, east and south with Town Line Road to the west is closed to public access. This will allow stripped material from site preparation to be used immediately for progressive rehabilitation or for overburden to be used in ramp construction in other parts of the existing licences. |
| (11) 7.4 (11) 8 | Portions of the quarry faces shall remain vertical. See drawings 34.8 and 34.9. | To allow movement of groundwater from the lake towards off site materials and to create a more diversified habitat and visually interesting rehabilitated landform. |
| (11) 9.1 | Portions of the licence boundary shall not be fenced. | The licence boundary shall be delineated every 30 metres where required. See Operational Note 36 for additional information. |

34.8 - Existing Water Table
 34.9 - Existing Water Table
 34.8 - Existing Water Table
 34.9 - Existing Water Table
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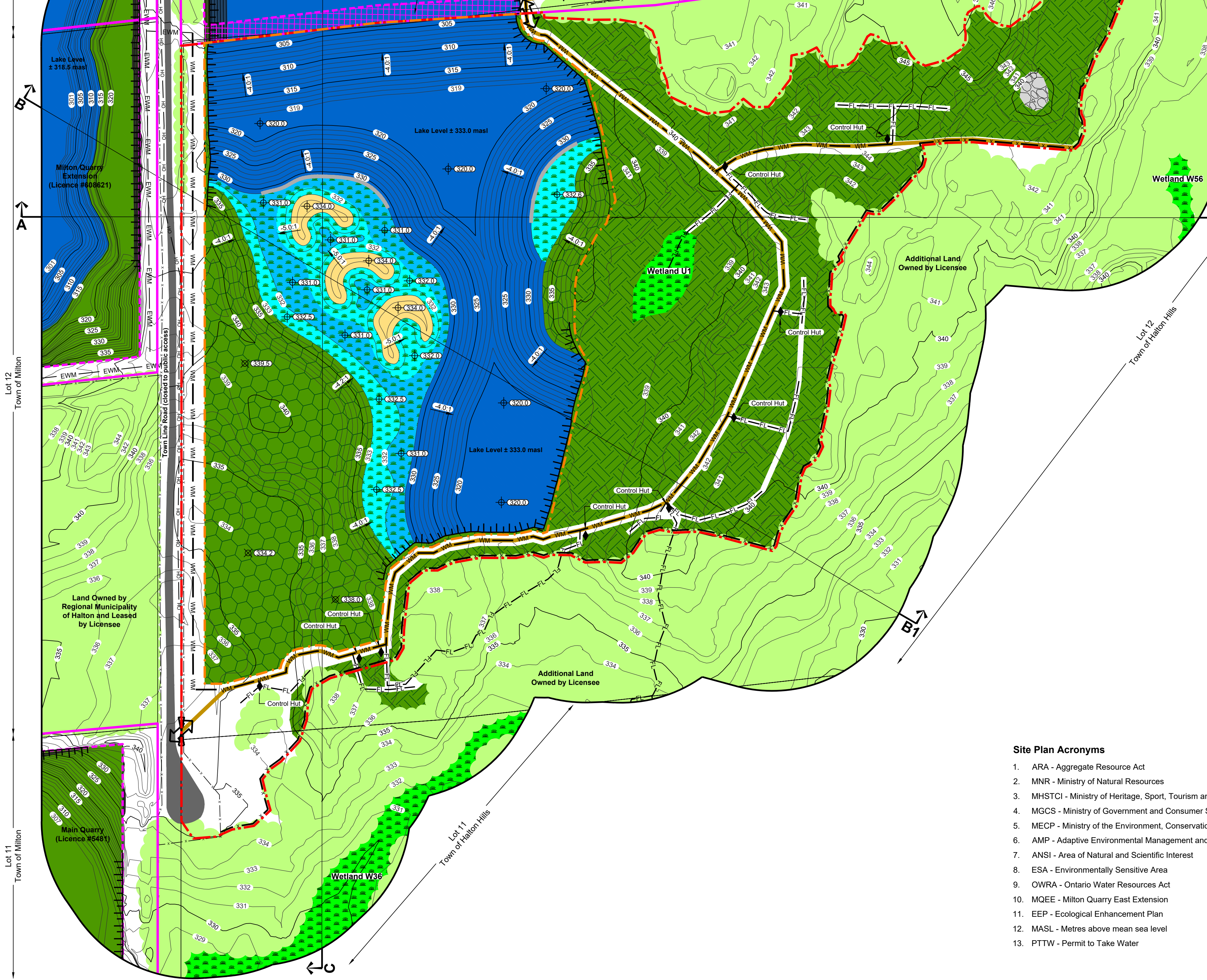




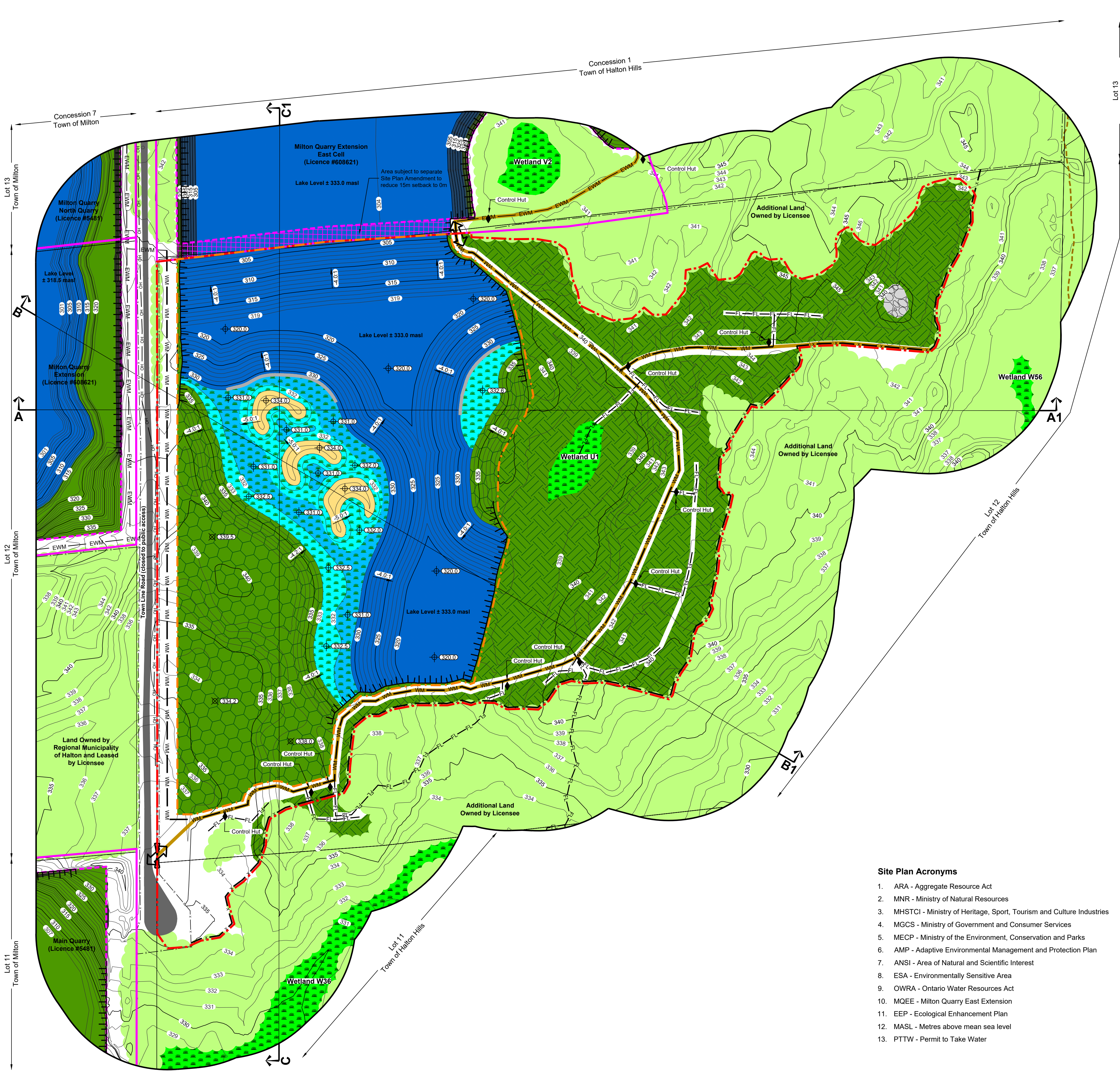
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1:1000 Vertical



Section B-B1
1:2000 Horizontal
1:1000 Vertical



Section C-C1
1:2000 Horizontal
1:1000 Vertical



- Site Plan Acronyms**
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 - MOEE - Milton Quarry East Extension
 - EEP - Ecological Enhancement Plan
 - MASL - Metres above mean sea level
 - PTTW - Permit to Take Water

General Notes

- Area Calculations:
 - Licence boundary 30.2 ha
 - Limit of Extraction 15.8 ha
- Possible after uses may include:
 - Conservation
 - Passive recreation
 - Low intensity recreation
- Once rehabilitation at the site commences, an annual monitoring report prepared by a qualified professional shall be submitted as part of the annual Compliance Assessment Report to confirm that the rehabilitated landforms are establishing as designed, and if not, what additional measures will be taken to create the proposed rehabilitated landform.
- The licensee will apply for surrender of the licence 1 year after the rehabilitation (with the exception of lake fillings and two post extraction 5 year reviews, have been successfully completed).

Rehabilitation Notes

- Numbering scheme used for operational notes refers to Aggregate Resources Act, Ontario Site Plan Standards.
- The final rehabilitated landform of the site will consist of a lake, wetlands, islands, above/below water vertical extraction faces and terrestrial habitat (see drawing 3 of 4 for additional details regarding landform creation).
 - Progressive rehabilitation shall commence as limits of extraction are reached within each Phase. Progressive rehabilitation will generally follow the direction and sequence of extraction identified on the plan view and described in the notes on drawing 2 of 4. Any major variation from the operational and rehabilitation sequence shall require approval from the MNR.
 - Topsoil and overburden shall be striped, stored and/or placed separately wherever there are distinguishable layers and sufficient thickness to allow separate handling. Topsoil and overburden materials may be transferred between this licence and Licence #5481 and #00821 (see Operational Note 54 - Variations from Control and Operation Standards on drawing 2 of 4). Topsoil and organic material shall be transported to areas being prepared for final rehabilitation and overburden material shall be used as structural material or general backfill to bring areas up to required finished grade. Temporary stockpiling of topsoil or overburden may occur during transfer and replacement operations. Any stockpiles which remain for more than six months shall be graded and seeded to control erosion. Seeding shall not be required if these stockpiles have vegetated naturally in the six months.
 - Excess soil, as defined in Ontario Regulation 244/97 and/or part may be imported to this site to facilitate the following rehabilitation purpose:
 - To establish the slopes, grades and elevations depicted on the plan view

Liquid Soil, as defined in Ontario Regulation 406/10 under the Environmental Protection Act, is not authorized for importation to the site.

The quality of excess soil imported to the site for final placement must be equivalent to or more stringent than the applicable excess soil quality standards as determined in accordance with Ontario Regulation 244/97 as amended from time to time and must be consistent with the site conditions and the end use identified in the approved rehabilitation plan. When a qualified person is retained or required to be retained in accordance with Ontario Regulation 244/97, the quality, storage, and final placement of excess soils shall be done according to the advice of the qualified person.

Excess soil imported to facilitate rehabilitation as described on this site plan shall be undertaken in accordance with Ontario Regulation 244/97 under the Aggregate Resources Act, as amended from time to time. The cumulative total amount of excess soil that may be imported to this site for rehabilitation purposes is 3,830,000 m³. Excess soil will be accepted in accordance with the "Milton Quarry Off-site Excess Soil Acceptance Protocol". This protocol shall be filed with MNR prior to acceptance of any off-site excess soil.

Vegetation shall be re-established within the limit of extraction during progressive and final rehabilitation in accordance with the planting details provided on drawing 3 of 4.

- In order to establish the final rehabilitated landform proposed on the plan view, a variety of rehabilitation techniques will be utilized including:
 - Backfilling extraction faces and the quarry floor;
 - Partially backfilling extraction faces to create ditches; or
 - Leaving extraction faces vertical.

Figures 1 to 4 below provide additional information for the rehabilitation techniques.

The wetlands, islands, and terrestrial habitat areas shall be backfilled using on-site overburden and non-comminuted materials from the site or adjacent Licence #00821 (see Operational Note 54 - Variations from Control and Operation Standards on drawing 2 of 4) as well as excess soils in accordance with rule 62 on this drawing.

The objective is to integrate wetlands, islands, terrestrial habitat and irregular vertical faces (with shelf areas and habitat niches) around the perimeter of the lake (as depicted on the plan view). This will establish a more diverse landscape with a range of flora and fauna habitats.

Additional planting details are provided on drawing 3 of 4.

No buildings shall remain on site except for those associated with the recharge mitigation system (e.g. control huts) which will be maintained in accordance with applicable OWRA permits to manage the proposed lake level.

No internal haul roads shall remain on-site. Service access roads shall remain to access the watermain and associated facilities.

Final surface drainage will follow the rehabilitated contours and directional arrows shown on the plan view. Drainage shall be directed inwards towards the lake and wetlands.

The final predicted water table on-site post extraction is at an elevation of 333.0 masl. The maximum predicted water table elevation is based on existing and interim conditions and is shown in each cross section on this drawing and drawing 1 of 4.

Operation of the mitigation system and associated monitoring as outlined in the AMP shall be continued during the rehabilitation period. The water levels of the proposed lake and rate of lake filling shall be evaluated five years after extraction is complete to refine the appropriate final elevations for the development of the shoreline and associated wetland features. These features shall be finalized and appropriate shoreline vegetation shall be completed during the subsequent five year evaluation period. These two five year reviews shall be completed prior to the surrender of the licence and include an overall evaluation of the performance of the mitigation measures to confirm the objectives are being achieved and the operation is sustainable over the long term as described in the AMP.

The final rehabilitation plan is illustrated by one metre contours on the plan view.

Not applicable since this is not a Class B licence.

Cross Sections Notes

- Cross section locations are identified on the plan view for each drawing.
- The horizontal scale is 1:2000 while the vertical scale is 1:1000 for cross sections on this drawing and drawing 1 of 4.
- Cross sections on drawing 1 of 4 depict the existing conditions while the cross sections on this drawing depict the final rehabilitation landform.
- The maximum predicted water table based on existing and interim conditions is illustrated as a solid blue line on each cross section.

Legal Description
Part of Lots 11 and 12, Concession 1 (former geographic Township of Esquesing) Town of Halton Hills Regional Municipality of Halton

Legend

	Licence Boundary		Existing Licence Boundary
	Limit of Extraction		Existing Limit of Extraction
	Contours with Elevation Metres above sea level (MASL)		120m Offset From Licence Boundary
	Wooded Area		Lots and Concessions
	Wetland Boundaries Delineated by GEC		Trail Segment
	Shallow Wetland Post Rehabilitation		Road
	Deep Wetland Post Rehabilitation		Service Access Road
	Deep Lake Post Rehabilitation		Overhead Hydro
	Islands Post Rehabilitation		Existing Watermain
	Forested Areas Post Rehabilitation - Closest Limit of Extraction		Main Watermain
	Forested Areas Post Rehabilitation - Closest Limit of Extraction		Feeder Line
	Snake Hibernaculum Post Rehabilitation		Fence 1.2m post & wire fence unless otherwise noted Existing - Thin Proposed - Bold
	Cliff Face Post Rehabilitation		Entrance / Exit Post Entrance
	Rocky Shoal Post Rehabilitation		Gate
	Control Hut		Proposed Floor Elevation Metres above mean sea level (MASL)
			Proposed Final Grade (Horizontal - Vertical)
			Cross Sections

Legend - Cross Sections

	Licence Boundary		Maximum Predicted Water Table - based on existing and interim conditions
	Limit of Extraction		Quarry Floor / Face
	Existing Licence Boundary		Backfilled
	Existing Limit of Extraction		Lake or Pond
	Existing Grade (Removed / Altered)		
	Existing Grade (Undisturbed)		

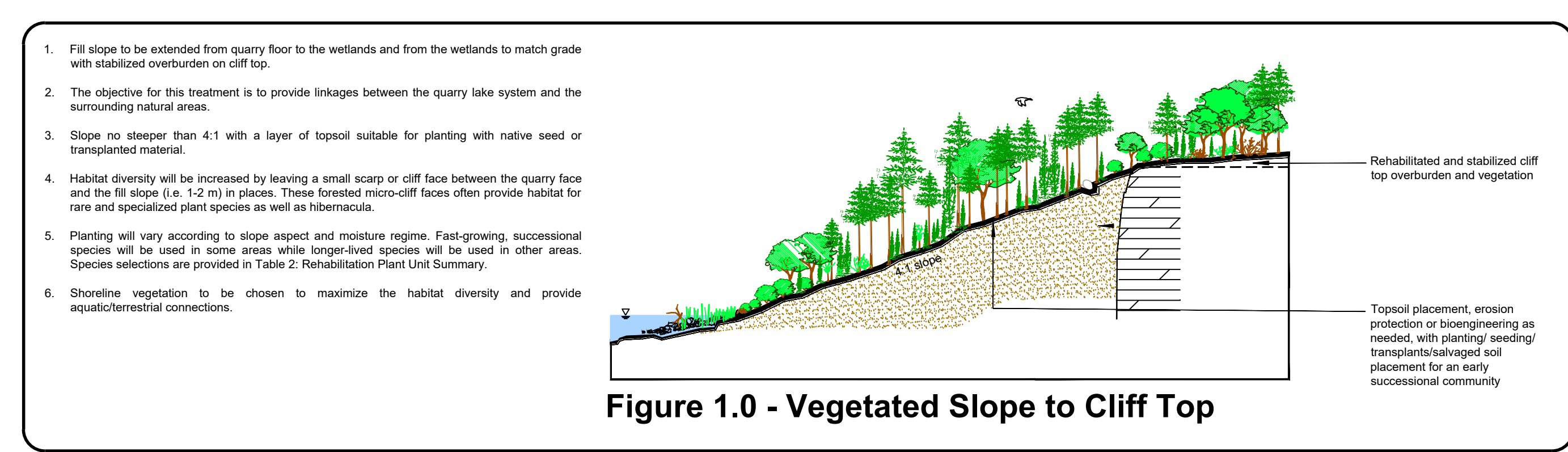


Figure 1.0 - Vegetated Slope to Cliff Top

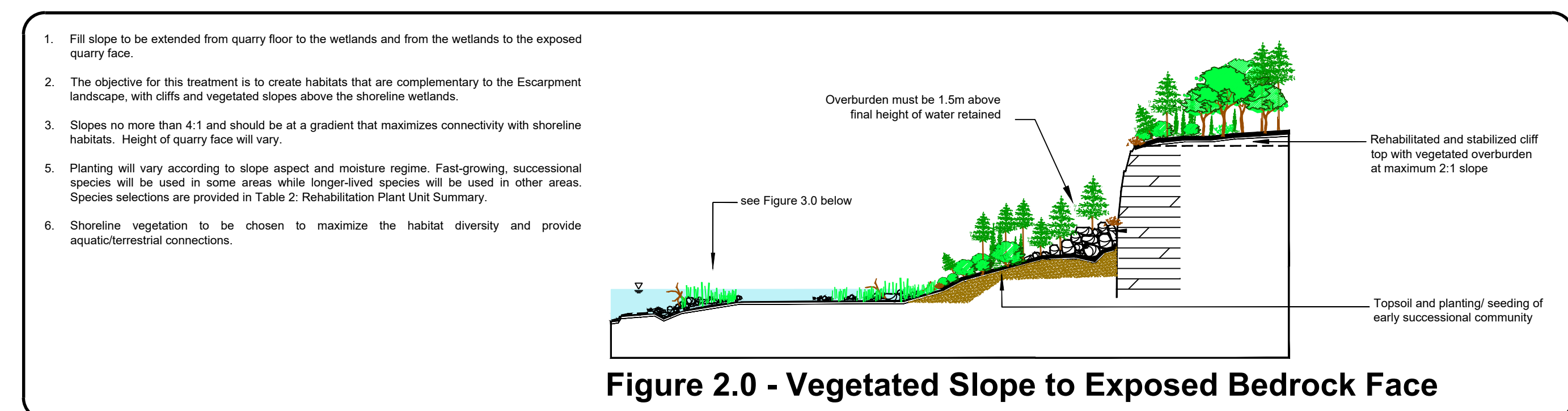


Figure 2.0 - Vegetated Slope to Exposed Bedrock Face

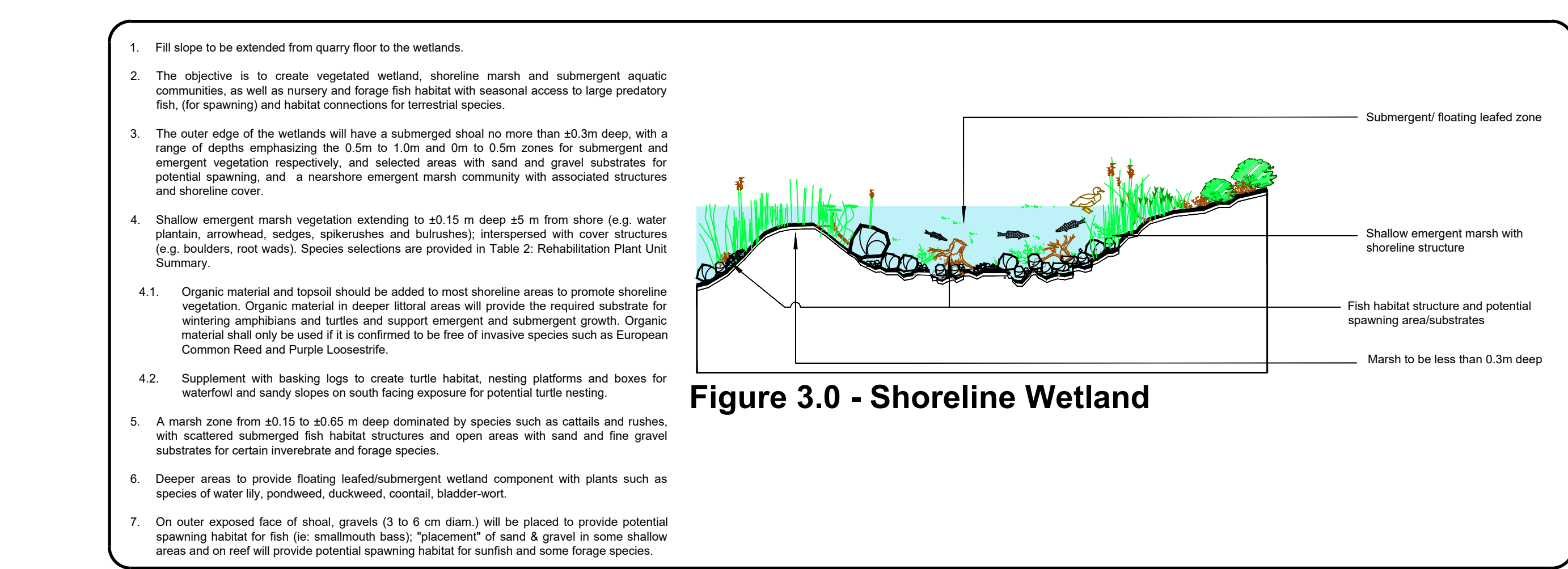


Figure 3.0 - Shoreline Wetland

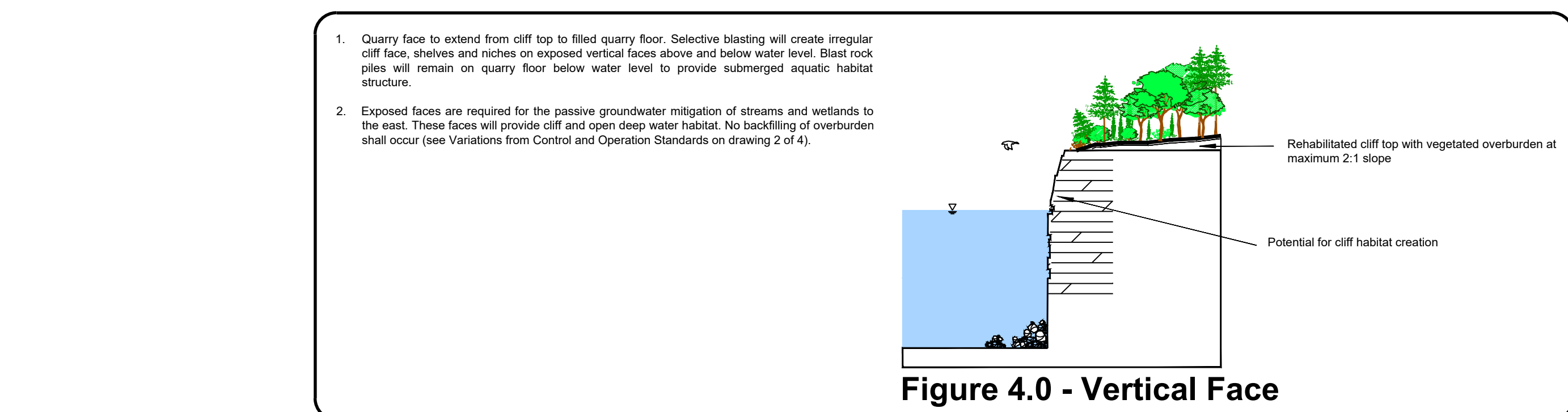


Figure 4.0 - Vertical Face

Site Plan Amendments

No.	Date	Description	By

Site Plan Revisions (Pre-Licensing)

No.	Date	Description	By
1		Update Operational Plan per feedback from MNR	CAP
2	July 2022	Update site plan per agency comments. Review note 60: Minor house keeping	CAP
3	September 2022	Adjust limit of extraction, mean watermain and service access road location based on revised wetland and woodland boundaries. Identify additional wooded areas on the plan view.	CAP
4	August 2023	Update boundary for Wetland V2	CAP
5	October 2023	Update notes per agency comments.	CAP
6	January 2025	Update the site plan to address comments from Six Nations	CAP

MHBC Stamp

MHBC Stamp

Site North

Applicant

Dufferin Aggregates
A Division of CRH Canada Group Inc.
2300 Steeles Avenue West, 4th Floor
Concord, Ontario
L4K 5X6

Project
Milton Quarry East Extension
10305 Nassagaway Esquesing Townline, Halton Hills, Ontario

MNR Licence Reference No.
626561

Applicant's Signature
[Signature]

Plan Scale: 1:2000 (Arch E)

Date
January 2025

Drawn By
C.P.

File No.
9061DJ

Checked By
B.Z.

File Name
Rehabilitation Plan

Drawing No.
4 of 4

File Path
N:\dmm\9061DJ_Dufferin - Milton Quarry East Extension\Drawings - Must be in NAD 27/Side Plan\CAD\9061DJ - Site Plan.dwg