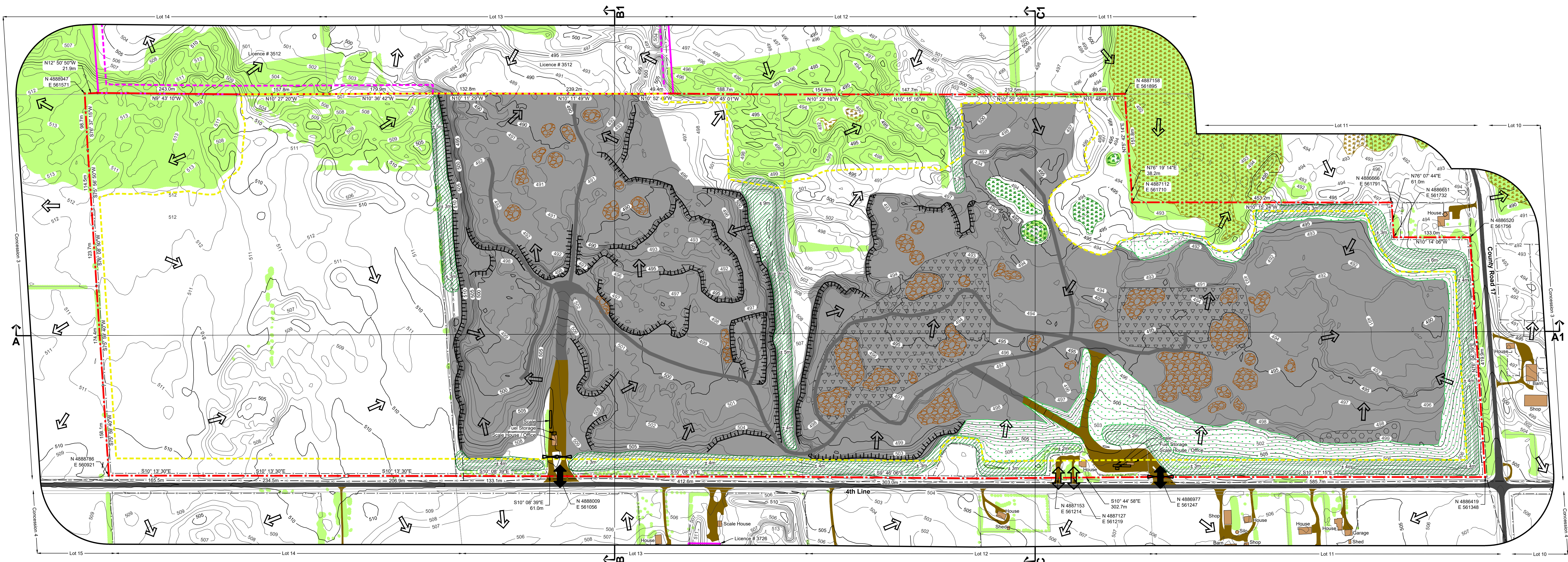
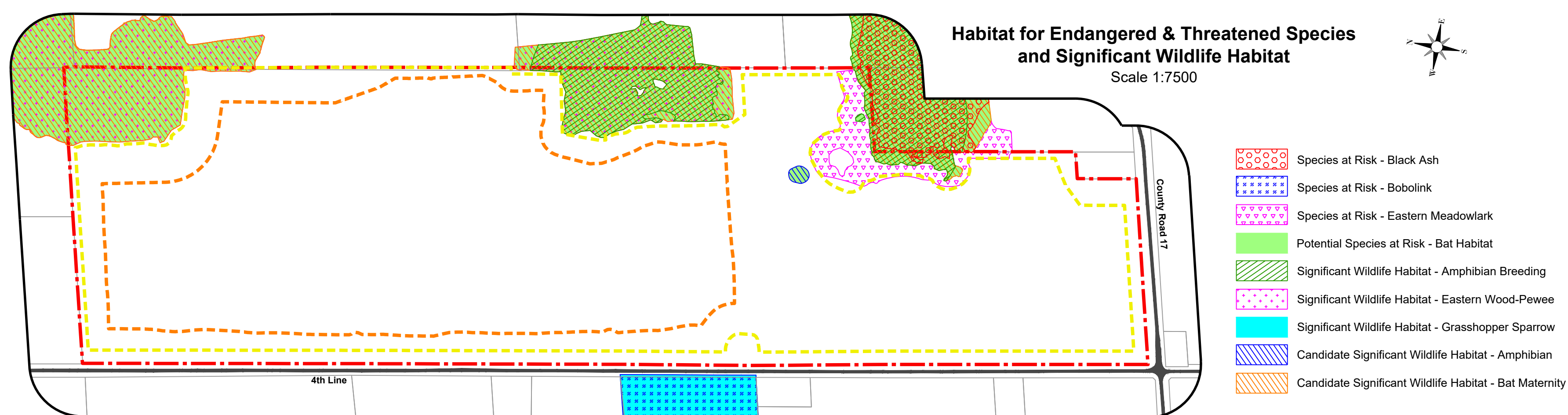
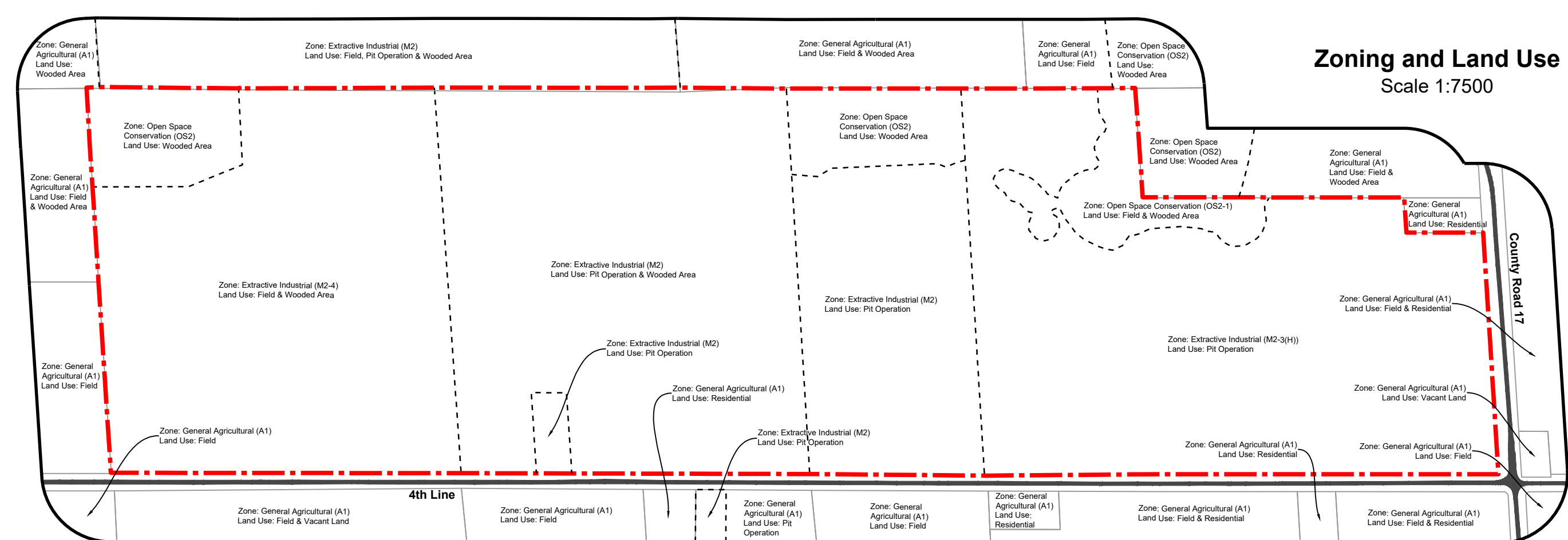
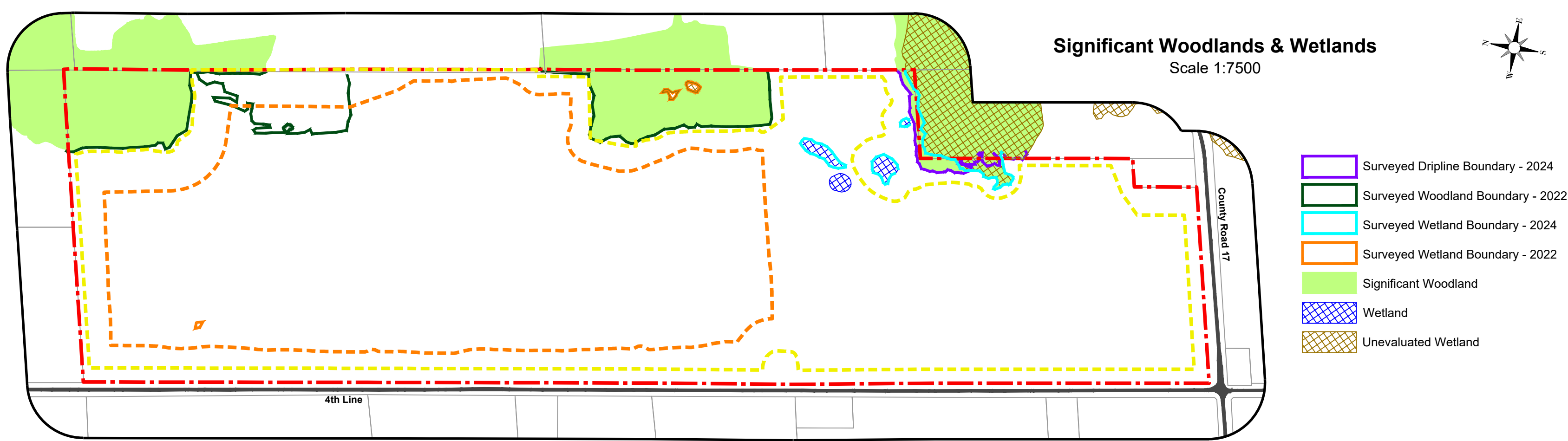
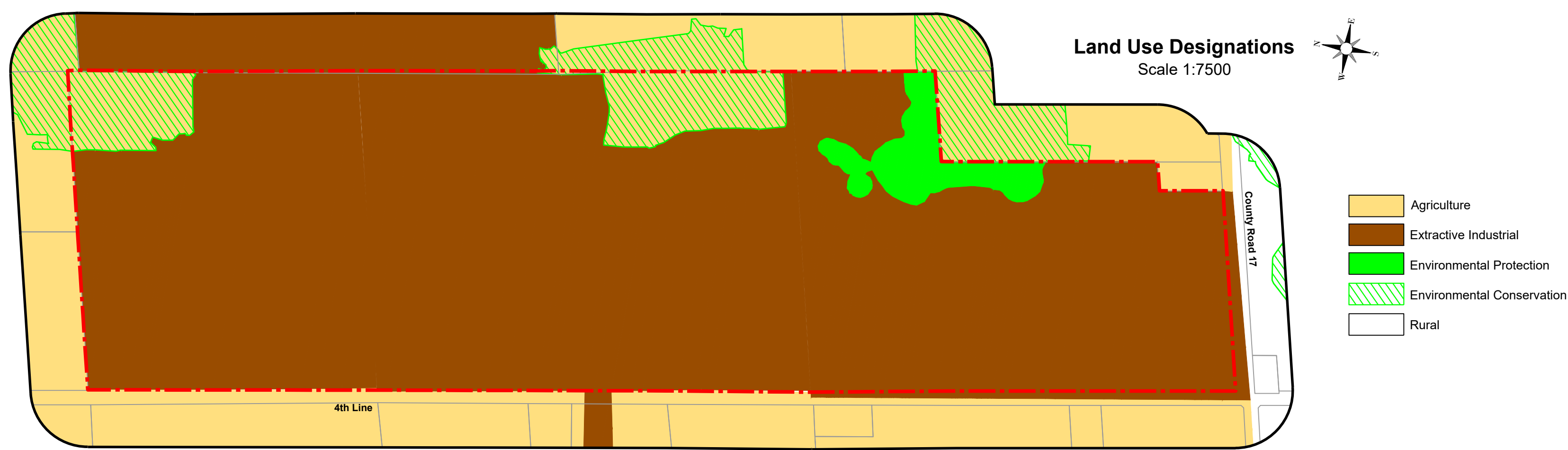




Legal Description			
Part of West half of Lot 11, Concession 3 West Half of Lots 12, 13 and 14, Concession 3 (former geographic Township of Melancthon) Township of Melancthon, County of Dufferin			
Legend			
	Licence Boundary		Existing Licence Boundary
	Pit Limit of Extraction		Existing Limit of Extraction
	Quarry Limit of Extraction		120m Offset From Licence Boundary
	Contours with Elevation Metres above sea level (NASL)		Parcel Fabric
	Public Road		Overhead Hydro
	Internal Haul Road		Fence 1.2m post & wire fence unless otherwise noted
	Driveway		Entrance / Exit Operational - Solid Farmhouse - Hollow
	Excavation Face		Gate
	Disturbed Area		Direction of Surface Drainage
	Stockpile		Berm
	Processing Area		Building/Structure
	Scrap Area		Wetland
	Wooded Area		Unevaluated Wetland
	Rehabilitated Area		Cross Sections



Site Plan Acronyms			
1.	ARA - Aggregate Resources Act		
2.	MASL - Metres Above Sea Level		
3.	MNR - Ministry of Natural Resources		
4.	MCM - Ministry of Citizenship and Multiculturalism		
5.	MGCS - Ministry of Government and Consumer Services		
6.	MECP - Ministry of Environment, Conservation and Parks		
7.	PTTW - Permit to Take Water		
8.	ECA - Environmental Compliance Approval		

Site Plan Amendments			
No.	Date	Description	By

Site Plan Revisions (Pre-Licensing)			
No.	Date	Description	By

113 COLLIER STREET, BARBIE, ON, L4N 1H4 | P: 705.735.0915 | WWW.MHBCPLAN.COM

PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE

MNR Approval Stamp

MHBC Stamp

Is authorized by the Ministry of Natural Resources pursuant to Subsection 0.2(3)(f) of Ontario Regulation 244/07 to prepare and certify site plans.

Christopher Poole

Applicant

STRADA AGGREGATES

Strada Aggregates Inc.
30 Floral Parkway
Concord, Ontario
L4K 4R1

Project

Strada Pit & Quarry

437031, 437075, 437101, 437159, 437163 & 437213 4th Line, Melancthon, Ontario, L0N 1S9

MNR Licence Reference No.

Applicant's Signature

Christopher Poole

Plan Scale: 1:3000 (Arch E)

0 90 180 Meters

Drawn By: C.P.

Checked By: B.Z.

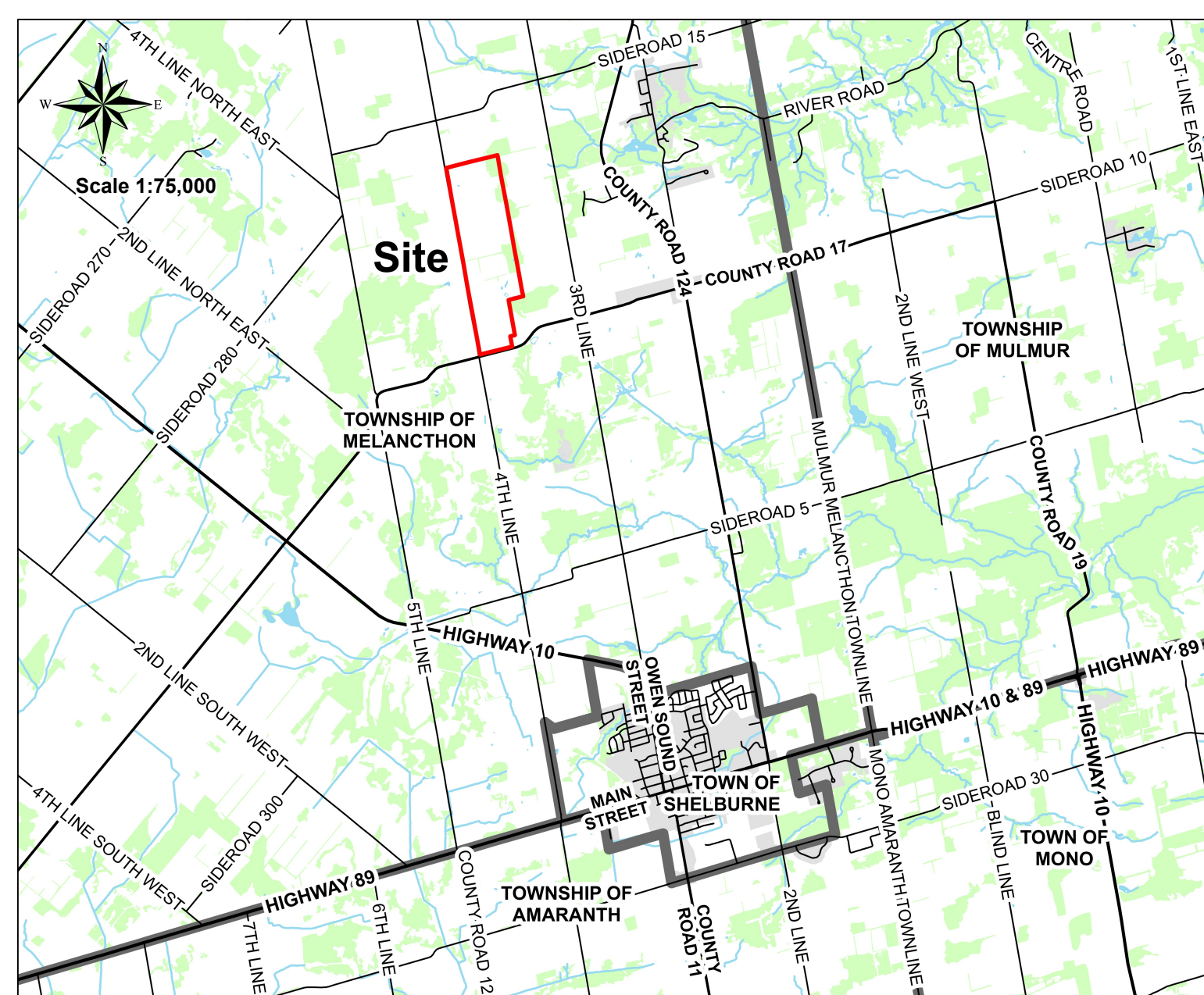
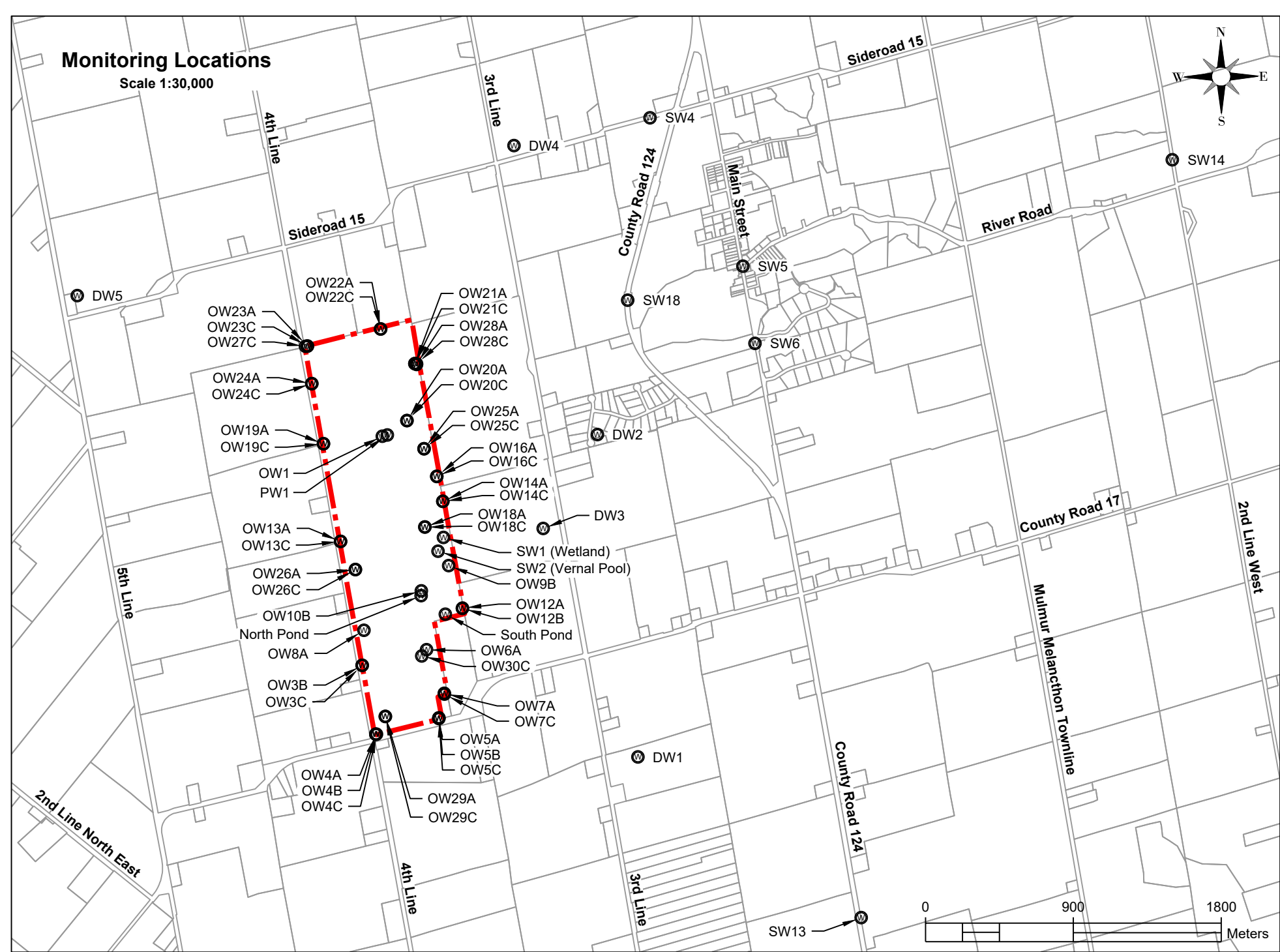
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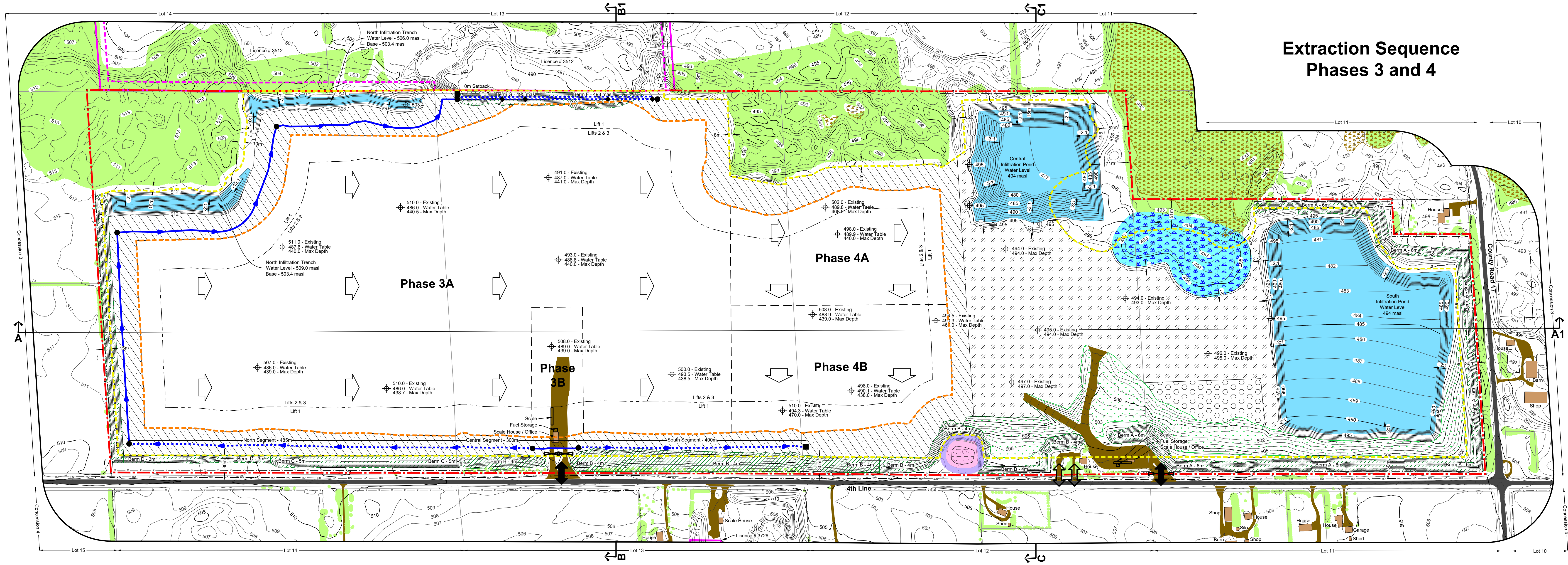
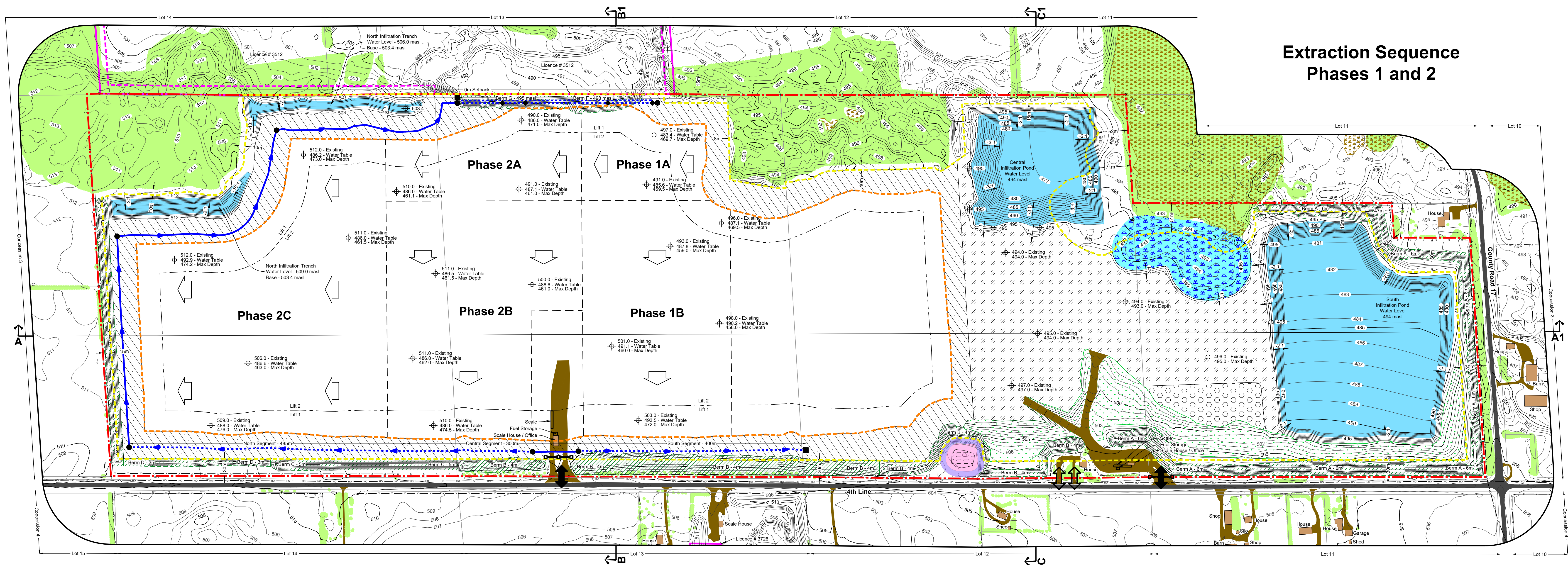
Drawing Name: Existing Features

Drawing No.: 1 of 5

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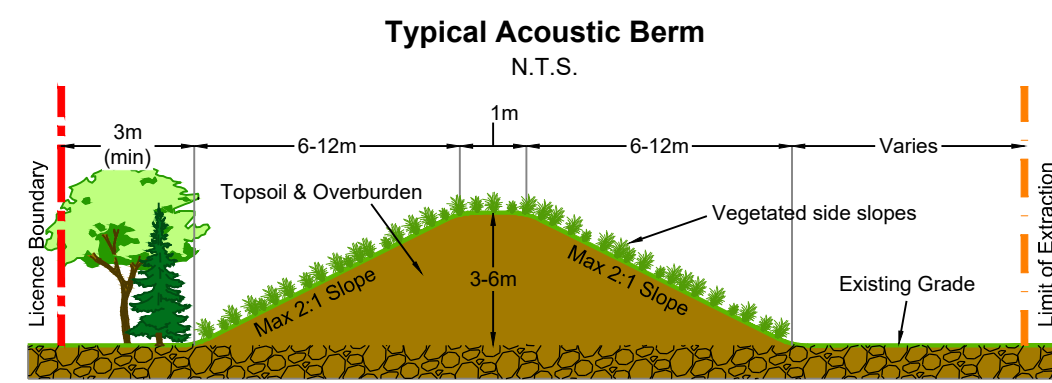


- A. General**
- This site plan is prepared under the Aggregate Resources Act (ARA) for a Class 'A' Licence for a pit and quarry below the groundwater table.
 - Area calculations:
 - Licence Boundary 149.0 ha
 - Pit Limit of Extraction 123.7 ha
 - Nothing and existing coordinates have been provided at 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 the 2022 Ontario Digital Terrain Model (available through Geospatial Ontario), which is a raster data set representing the bare-earth terrain derived from a classified first point cloud, and are displayed in one metre intervals. Elevations shown are in metres above sea level (MASL).
 - Topographic information was obtained from numerous sources including Geospatial Ontario, aerial photography captured by drone on April 7, 2022 and field investigations for technical reports.
 - All topographic features and structures are shown to scale in Universal Transverse Mercator (UTM) with North American Datum 1983 (NAD83), Zone 17 (metre), Central Meridian 81 degrees west coordinate system.
 - The licence boundary was established from:
 - A Plan of Survey by P.J. Williams dated April 28, 1972
 - A Plan of Survey by P.J. Williams dated December 14, 2001
 - A Surveyor's Real Property Report by P.J. Williams dated July 10, 2007
 - A Surveyor's Real Property Report by P.J. Williams dated May 21, 2016
 - An ARA site plan prepared by MHBC Planning dated March 28, 2012
 - Existing land use designations on and within 120 metres of the licence boundary (see Land Use Designations schematic on this drawing) was obtained from the Township of Melancthon Official Plan, Schedule A-5 - Land Use and Roads Plan, dated October 2017 and revised with Official Plan Amendment 2 dated July 5, 2018.
 - Existing zoning on and within 120 metres of the licence boundary (see Zoning and Land Use schematic on this drawing) was obtained from the Township of Melancthon Zoning By-law 12.1978 as amended by By-law 12-1982, Schedule "A" as of August 1996, and further amended by By-law 46-2003 dated November 5, 2003, By-law 8-2011 dated January 27, 2011 and By-law 34-2018 dated July 5, 2018. The licence area is currently zoned Extractive Industrial (M2), Extractive Industrial Exception (M2-30/1), Extractive Industrial Exception (M2-4), Open Space Conservation (OS2) and Open Space Conservation Exception (OS2-1).
- 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.
- D. Groundwater**
- The maximum predicted water table within the limit of extraction varies between 483.0 masl and 500.0 masl and is shown in each cross section on drawing 5 of 5.
- E. Site Access and Fencing**
- Two operational access points exist on 4th Line in the locations shown on the plan view. There are also two access points for the farmhouse located on Lot 12, Concession 3 on 4th Line.
 - Post and wire fencing exists in the locations shown on the plan view.
- F. Significant Natural Features Within 120 Metres**
- There are significant woodlands, non-provincially significant wetlands, unevaluated wetlands, significant wildlife habitat and habitat for endangered and threaten species as determined by Natural Resource Solutions Inc. within the licence boundary (see Key Natural Heritage Features schematic on this drawing).
 - There are significant woodlands, non-provincially significant wetlands, unevaluated wetlands, significant wildlife habitat and habitat for endangered and threaten species as determined by Natural Resource Solutions Inc. outside the licence boundary within 120 metres (see Key Natural Heritage Features schematic on this drawing).
- G. Significant Human-Made Features Within 120 Metres**
- There are two licensed pits within 120 metres of the licence boundary. Licence # 3512 is in part of the east half of Lots 13 and 14, Concession 3 while Licence # 3726 is in part of the east half of Lot 13, Concession 4.
- H. Aggregate Related Site Features**
- There are existing aggregate operations and features on-site such as processing area with portable equipment, stockpiles, scrap, haul roads, fuel storage, berms and excavation faces as shown on the plan view of this drawing.
- 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**
- Agricultural Impact Assessment, Strada Pit/Quarry, MHBC, August, 2024.
 - Air Quality Assessment, Strada Pit/Quarry, RWD, June 14, 2024.
 - Blast Impact Analysis, Strada Pit and Quarry, Exploitech, May 6, 2024.
 - Cultural Heritage Screening Report, Strada Pit/Quarry, MHBC, August 27, 2024.
 - Level 1 and 2 Hydrogeological and Hydrological Assessment, Strada Pit/ Quarry, Tatham Engineering, October 23, 2024.
 - Natural Environment Report, Strada Pit/Quarry, Natural Resource Solutions Inc., dated October, 2024.
 - Noise Impact Study, Strada Pit/Quarry, Aerocoustics Engineering Ltd., May 17, 2024.
 - Stage 1 Archaeological Assessment of Strada Aggregates Existing Melancthon Pit, ASI, May 1, 2024.
 - Traffic Impact Study, Strada Pit and Quarry, HDR Inc, August 20, 2024.



Legal Description
Part of West half of Lot 11, Concession 3
West Half of Lots 12, 13 and 14, Concession 3
(former geographic Township of Melancthon)
Township of Melancthon, County of Dufferin

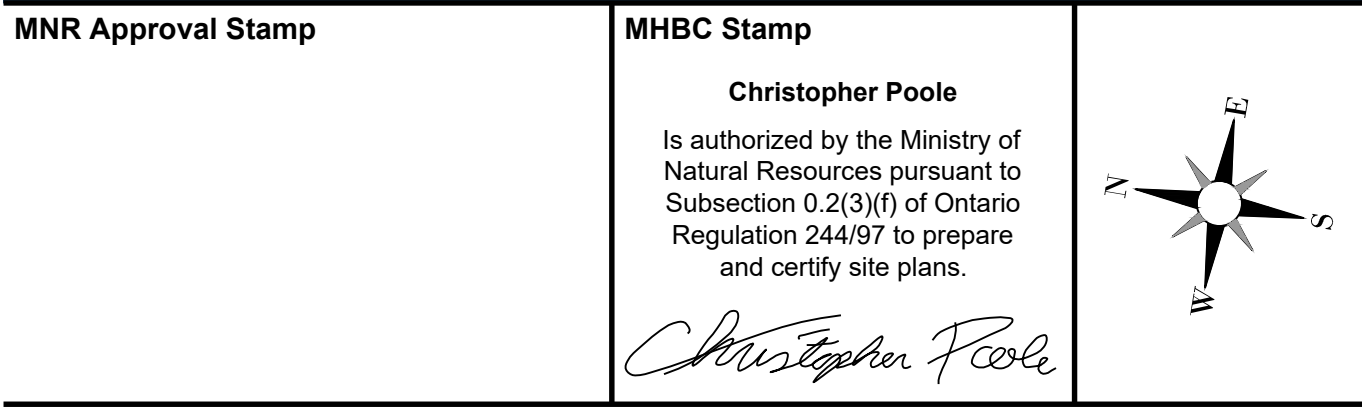
- Legend**
- Licence Boundary
 - Pit Limit of Extraction
 - Quarry Limit of Extraction
 - Contours with Elevation
 - Public Road
 - Driveway
 - Water Feature
 - Wooded Area
 - Rehabilitated Area
 - Wetland
 - Unevaluated Wetland
 - Processing and Stockpiling Area
 - Recycling and Scrap Area
 - 2:1 Side Slopes to Top of Bedrock
 - Arch. Site BaHb-17 Stage 2 Limit
 - Arch. Site BaHb-17 Stage 3 Limit
 - Arch. Site BaHb-17 10m Offset from Stage 3 Limit
 - Existing Licence Boundary
 - Existing Limit of Extraction
 - 120m Offset From Licence Boundary
 - Parcel Fabric
 - Overhead Hydro
 - Fence
 - Entrance / Exit
 - Gate
 - General Direction of Excavation & Boundary
 - Berm
 - Building/Structure
 - Spot Elevation
 - Pond Side Slope
 - Buried Tile Drain
 - Injection Well
 - Inspection Port
 - Pump Station
 - Cross Sections



- Site Plan Acronyms**
- ARA - Aggregate Resources Act
 - MAL - Metres Above Sea Level
 - MNR - Ministry of Natural Resources
 - MCM - Ministry of Citizenship and Multiculturalism
 - MGCS - Ministry of Government and Consumer Services
 - MECP - Ministry of Environment, Conservation and Parks
 - PTTW - Permit to Take Water
 - ECA - Environmental Compliance Approval

No.	Date	Description	By

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Applicant
STRADA AGGREGATES
Strada Aggregates Inc.
30 Floral Parkway
Concord, Ontario
L4K 4R1

Project
Strada Pit & Quarry
437159 4th Line, Melancthon, Ontario, L0N 1S9

MNR Licence Reference No.
Applicant's Signature
Christopher Poole

Plan Scale: 1:3000 (Arch E)
Date: January 2025
Drawn By: C.P.
Checked By: B.Z.
File No.: Y3491

Drawing Name: Operational Plan
Drawing No.: 2 of 5

File Path: N:\Bian\Y3491 Strada Melancthon KM File\Drawings\Site Plan\CAD\Y3491 - Site Plan.dwg

Table 1A: Closest Sensitive Receptors

Sensitive Receptor	Straight Line Distance From Licence Boundary to Receptor (m)	Straight Line Distance From Quarry Limit of Extraction to Receptor (m)	Receptor ID
477084 3rd Line	540	570	R15
477148 3rd Line	540	610	R20
477274 3rd Line	780	1020	R25
437024 4th Line	70	700	R08
437032 4th Line	90	630	R05
437044 4th Line	65	540	R04
437060 4th Line	65	165	R03
437134 4th Line	275	350	R02
437148 4th Line	100	160	R01
437274 4th Line	340	425	R09
437281 4th Line	305	460	R28
625173 Side Road 15	650	720	R27
625206 Side Road 15	580	730	R26
585165 County Road 17	45	560	R10
585189 County Road 17	15	865	R11

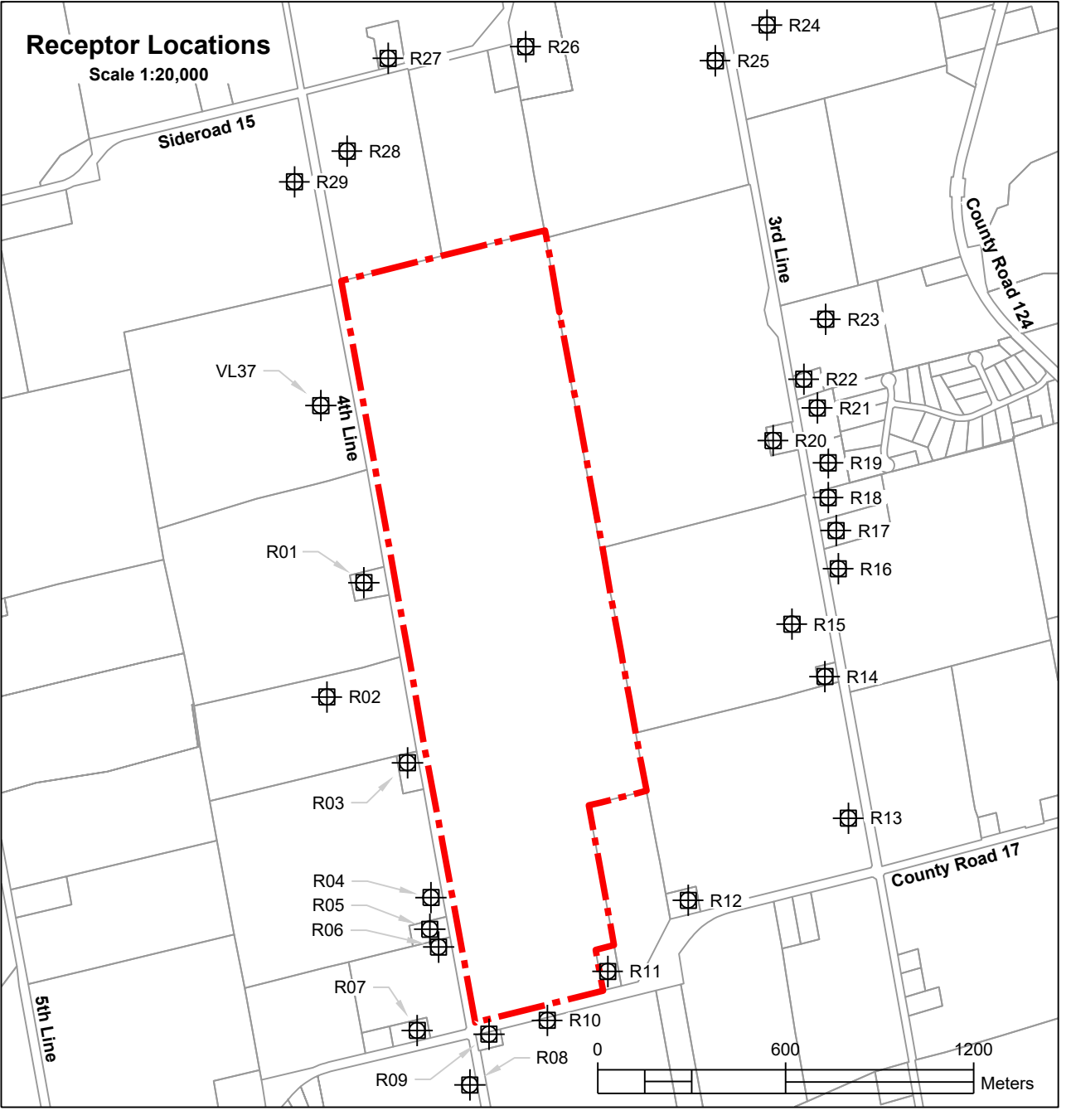


Table 1B: Closest Sensitive Receptors

Sensitive Receptor	Straight Line Distance From Licence Boundary to Receptor (m)	Straight Line Distance From Quarry Limit of Extraction to Receptor (m)	Receptor ID
585121 County Road 17	245	730	R12
438574 4th Line	187	974	R07
585142 County Road 17	200	1130	R06
477018 3rd Line	47	641	R09
477058 3rd Line	626	798	R14
477081 3rd Line	730	784	R16
477107 3rd Line	744	779	R17
477125 3rd Line	738	758	R18
477133 3rd Line	758	777	R19
477151 3rd Line	754	779	R21
477161 3rd Line	728	764	R22
477181 3rd Line	833	810	R23
477285 3rd Line	966	1235	R24
437202 4th Line	135	204	VL37

A. General

- Area calculations
1. Li. Linear Erection 140.0 ha
2. Pt. Point of Erection 123.7 ha
3. Quarry Limit of Erection 65.7 ha
2. The maximum predicted water level is 2,000.00 metres
3. The maximum predicted water level within the limits of extraction would be 450.0 m and 500.0 m and is shown in each cross section on drawing 5 of 5.
4. The licence boundary is not located within a Wetland Protection Area or a Surface Water Protection Zone. Therefore, source water protection policies do not apply to this licence.
5. The farmhouse on Lot 12, Concession 3 on 4th line may remain for the life of the licence.
6. In addition to the requirements on this Stage, appropriate of the pit and quarry also appropriate. Other details of the consent between the Stada Aggregate and the County of Melancton are available from the County of Melancton. That agreement is binding on the County of Melancton. Copies of the agreement are available from the licensee or the Township of Melancton.

B. Hours of Operation

- Extraction and processing is permitted Monday to Saturday from 7:00 am to 7:00 pm, excluding Sundays and holidays.
- Shipping is permitted Monday to Friday from 6:00 am to 7:00 pm and Saturdays from 6:00 am to 5:00 pm, excluding holidays.
- Site preparation and rehabilitation is permitted Monday from 7:00 am to 5:00 pm, excluding holidays, and will primarily occur during the lowest extraction during the week.
- Blasting is permitted Monday from 8:00 am to 6:00 pm only during daylight hours.
- No operations are permitted on Sundays and holidays as defined in accordance with the Employment Standards Act.

C. Site Access and Fencing

- The two operational access points on 4th Line will be gated, kept closed during hours of non-operation and maintained throughout the life of the license.
- The two access points for the farmhouse located on Lot 12, Concession 3 on 4th line will be gated. See Section 1. Variations from the Normal Operation Standards on this drawing.
- The farmhouse no longer be used for a non-aggregate related use, gates shall be maintained throughout the life of the license.
- Gates shall not be required where internal roads traverse the common licence boundary between this licence and licence 3512 (see Section N Variations from Control and Operation Standards on this drawing).
- Gates shall not be required where internal roads traverse the common licence boundary between this licence and licence 3512 (see Section N Variations from Control and Operation Standards on this drawing).
- Gates shall not be required if a single cable or chain.
5. The licence boundary shall be fenced with post and wire fencing at least 1.2 metres in height, as shown on the plan of drawing 2 of 5, except where the licence boundary traverses the road of right of way of the common licence boundary with licence 3512 in which case the material posted shall be utilized (see Section N Variations from Control and Operation Standards on this drawing).
- All required fencing and marker posts along the licence boundary shall be maintained for the life of the licence.
- A sign of at least 0.5 metres by 0.5 metres in size shall be erected and maintained at the operational access points that give a right of way under the Aggregate Resources Act licence.

D. Draining and Siltation Control

- Drainage of undisturbed areas will continue in the directions shown on drawing 1 of 5.
- Site fencing shall be installed and maintained in accordance with O.S. 6.0 on this drawing.

E. Site Preparation

- A silt control contingency Plan shall be implemented.
- Two temporary silt control areas with a maximum of 0.5 m on this drawing. All non-vegetation removal shall occur in accordance with O.S. 6.0 on this drawing.
- Timber resources shall be salvaged for use as saw logs, fence posts and fuel wood wherever appropriate. Cleared areas shall be planted with native species of trees and shrubs with appropriate species, and/or aquatic habitat enhancement, or mulched for use in progressive rehabilitation.
- Topsoil and overburden shall be stripped and stored separately.
- Stripped topsoil and organic material shall be transported directly to areas that have been graded and are being prepared for final rehabilitation or used for other purposes.
- Stripped overburden shall be utilized to construct acoustic barriers or as landfill site slopes and the pit to establish the final slopes, grades and elevations depicted on the plan view of drawing 4 of 5.
- Stripping shall incrementally proceed extraction to minimize the disturbed area and the amount of topsoil and overburden to be temporarily stockpiled.
- Temporary topsoil and overburden stockpiles which remain for more than one year shall have their slopes vegetated to control erosion. Seeding shall not be required if these stockpiles have vegetated naturally in the first year.
- At temporary topsoil and overburden stockpiles that remain a minimum of 30 metres from the licence boundary and 90 metres from a property with a residential use (see Section N Variations from Control and Operation Standards on this drawing).

F. Berms and Screening

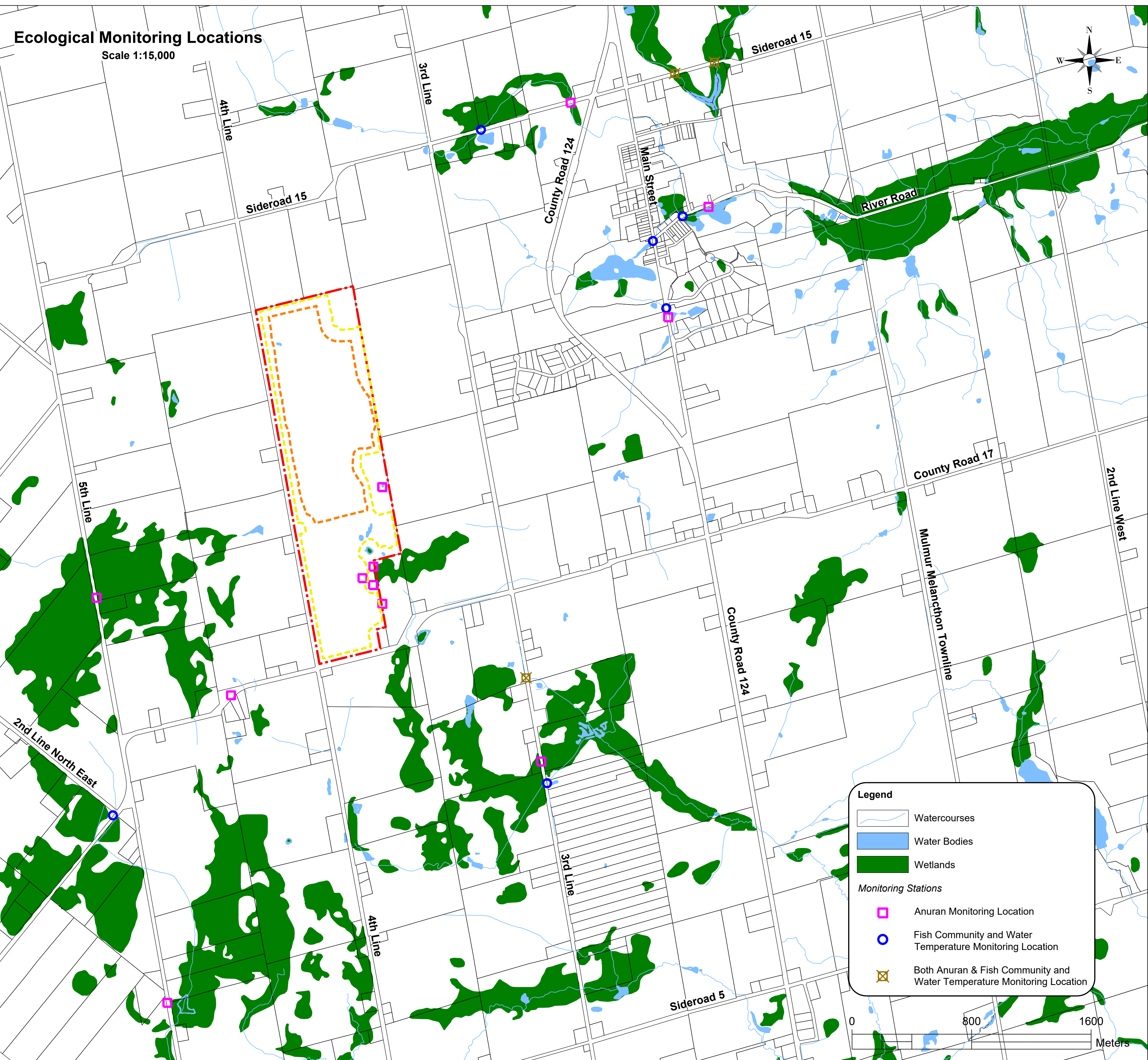
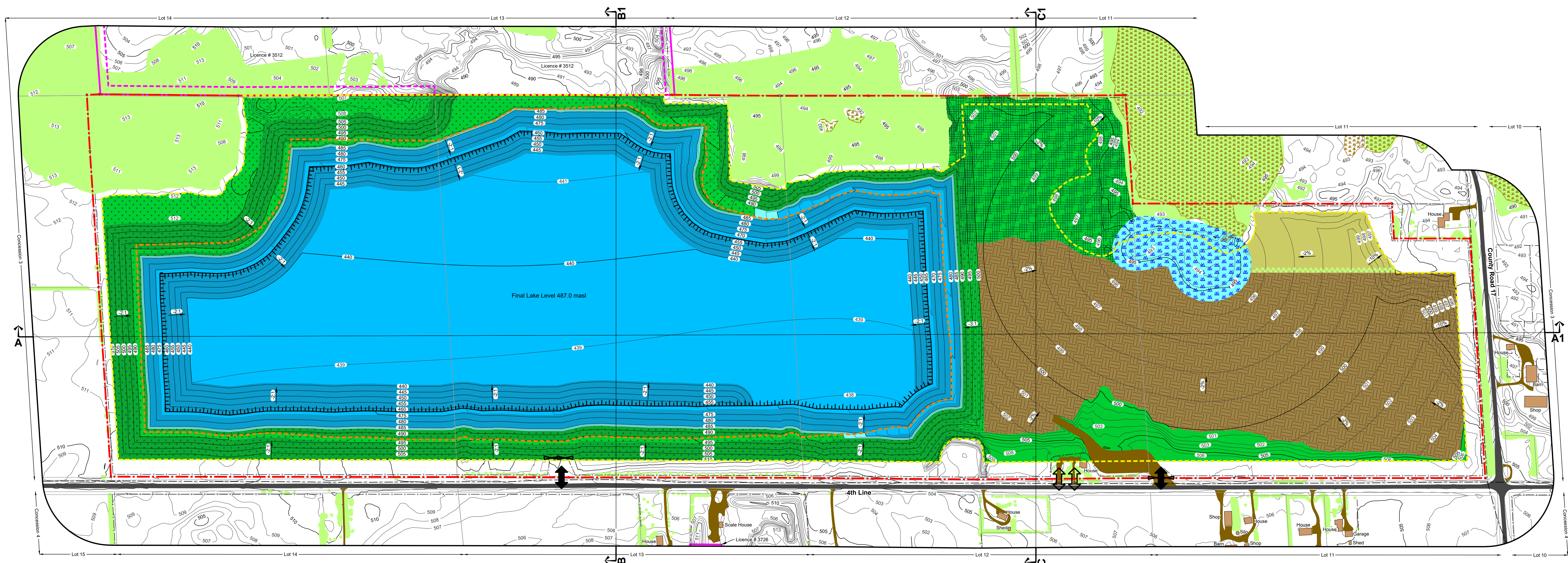
- Acoustic berms shall be constructed to the height specified in the locations shown on the plan view of this drawing and described in the Noise control section O.7 on this drawing.
- Berms shall not be located within three metres of the licence boundary, except for Berms F and G identified on the plan view of drawing 2 of 5 (see Section N Variations from Control and Operation Standards on this drawing).
- Berm side slopes shall not be steeper than 2:1 (horizontal : vertical).
- The minimum width of the berm shall be one metre.
- Berms shall be covered with 50 millimetres of topsoil, seeded and maintained.
- See Typical Acoustic Berm on drawing 2 of 5 for additional information.
- Existing vegetation within the southern, eastern and northern setbacks shall be maintained except where the berms, the central infiltration pond or the created wetland are required.
- The existing trees within the western setback along of Line, contain two damaged roots and are irregular centres at the base of the existing berms shall be maintained except where the existing berms are required to be modified to meet the minimum height requirements identified in the Noise control section O.7 on this drawing.
- Tree screens along 4th line that were removed to facilitate berm construction, and the remaining areas not yet planted, shall be planted. The tree screen shall consist of two staggered rows of trees, planted in the centre of the berm. The trees shall be planted in the centre of the berm, not further to, white cedar, white spruce, white pine, Colorado spruce or balsam fir.
- The tree screens along 4th Line shall remain as part of the final rehabilitation landform.

G. Side Dewatering

- No water diversion and points of discharge to surface water features are proposed.

H. Extraction Sequence

- Extraction shall occur in nine phases (Phases 1A, 1B, 2A, 2B, 2C, 3A, 3B, 4A, and 4B) as shown on drawing 2 of 5.
- Phases do not represent any specific or equal time frame.
- Progressive and final rehabilitation shall be completed in direct correlation to the development of the pit and quarry as the maximum extraction limits and depths are reached and enough area is available to ensure negligible erosion and soil erosion with the production, storage and processing of aggregate material.
- Phase 1A
1. Create the Central and South Infiltration Ponds as well as the North Infiltration Trenches. See Water Resources notes O.3.a to O.3.b and O.3.c on this drawing for additional information.
2. Construct the four injection wells within the Central and South Infiltration Ponds. See Water Resources notes O.3.a to O.3.b and O.3.c on this drawing for additional information.
3. Establish Berms A to G (see Note 10.0 on this drawing for additional information) using material from the Infiltration Ponds and Trenches.
4. Finish extracting the sand and gravel material in a northerly direction to the top of bedrock.
5. Backfill and vegetate the 2:1 side slopes along the east and south boundary of Phase 1A from existing grade to the top of bedrock with on-site material and/or imported material.
6. Commence quarry operations through striking out.
7. Establish temporary pump on the quarry floor.
8. Extract the bedrock material in a northerly direction.
9. Extract 1H 1 to a maximum depth between 450 to 472.0 m.
10. Extract 1H 2 to a maximum depth between 450 to 460.0 m.
11. Progressive rehabilitation shall consist of backfilling the west and south boundary of Phase 1B from the floor of 1H 1 to existing grade with on-site material and/or excess soil to establish a 2:1 side slope.
- Phase 1B
1. Finish extracting the sand and gravel material in a westerly direction to the top of bedrock.
2. Backfill and vegetate the 2:1 side slopes along the west boundary of Phase 1B from existing grade to the top of bedrock with on-site material and/or imported excess soil.
3. Extract 1H 3 to a maximum depth between 460 to 472.0 m.
4. Extract 1H 4 to a maximum depth between 457 to 460.0 m.
5. Progressive rehabilitation shall consist of backfilling the west boundary of Phase 1B from the floor of 1H 3 to existing grade with on-site material and/or excess soil to establish a 2:1 side slope.
- Phase 2A
1. Finish extracting the sand and gravel material in a westerly direction to the top of bedrock.
2. Backfill and vegetate the 2:1 side slopes along the west boundary of Phase 2A from existing grade to the top of bedrock with on-site material and/or imported excess soil.
3. Extract 2H 1 to a maximum depth between 470 to 472.0 m.
4. Extract 2H 2 to a maximum depth between 470 to 472.0 m.
5. Progressive rehabilitation shall consist of backfilling the west and south boundary of Phase 2A from the floor of 2H 1 to existing grade with on-site material and/or excess soil to establish a 2:1 side slope.
- Phase 2B
1. Strip the undisturbed portion of Phase 2B and use the overburden to backfill side slopes and the topsoil to dress areas that have been graded and are being prepared for final rehabilitation, where feasible, or temporarily stockpiled.
2. Finish extracting the sand and gravel material in a northerly direction to the top of bedrock.
3. Backfill and vegetate the 2:1 side slopes along the east boundary of Phase 2B from existing grade to the top of bedrock with on-site material and/or imported excess soil.
4. Extract the bedrock material in a northerly direction.
5. Extract 1H 1 to a maximum depth between 470 to 472.0 m.
6. Extract 1H 2 to a maximum depth between 460 to 462.0 m.
7. Progressive rehabilitation shall consist of backfilling the west and south boundary of Phase 2B from the floor of 1H 1 to existing grade with on-site material and/or excess soil to establish a 2:1 side slope.
- Phase 3A
1. Extract material in a southerly direction.
2. Extract 1H 3 to a maximum depth between 438 to 441.0 m.
3. Progressive rehabilitation shall consist of backfilling the west, north and east boundary of Phase 3A from the floor of 1H 3 to the bottom of 1H 2 with on-site material and/or imported excess soil to establish a 2:1 side slope.
4. Prepare Phase 3B for extraction.
- Phase 3B
1. Remove the scale house / office, scale and fuel storage tanks.
2. Strip the undisturbed portion of Phase 3B and use the overburden to backfill side slopes and the topsoil to dress areas that have been graded and are being prepared for final rehabilitation, where feasible, or temporarily stockpiled.
3. Progressive rehabilitation shall consist of backfilling the west, north and east boundary of Phase 3B from the floor of 1H 3 to the bottom of 1H 2 with on-site material and/or imported excess soil to establish a 2:1 side slope.
4. Prepare Phase 3B for extraction.
- Phase 4A
1. Remove the scale house / office, scale and fuel storage tanks.
2. Strip the undisturbed portion of Phase 4A and use the overburden to backfill side slopes and the topsoil to dress areas that have been graded and are being prepared for final rehabilitation, where feasible, or temporarily stockpiled.
3. Progressive rehabilitation shall consist of backfilling the west, north and east boundary of Phase 4A from existing grade to the top of bedrock with on-site material and/or imported excess soil.
4. Extract the bedrock material in a southerly direction before proceeding in a westerly direction.
5. Extract 1H 1 to a maximum depth between 460 to 462.0 m.
6. Extract 1H 2 to a maximum depth between 438 to 441.0 m.
7. Progressive rehabilitation shall consist of backfilling the west and south boundary of Phase 4B from the floor of 1H 1 to existing grade with on-site material and/or excess soil to establish a 2:1 side slope.
8. Extract 1H 3 to a maximum depth between 438 to 441.0 m.
9. Extract 1H 4 to a maximum depth between 460 to 472.0 m.
10. Extract 1H 5 to a maximum depth between 437 to 439.0 m.
11. Progressive rehabilitation shall consist of backfilling the west and south boundary of Phase 4B from the floor of 1H 1 to existing grade with on-site material and/or excess soil to establish a 2:1 side slope.
12. Extract 1H 6 to a maximum depth between 450 to 457.0 m.
13. Extract 1H 7 to a maximum depth between 450 to 457.0 m.
14. Extract 1H 8 to a maximum depth between 450 to 457.0 m.
15. Extract 1H 9 to a maximum depth between 437 to 439.0 m.
16. Progressive rehabilitation shall consist of backfilling the west and south boundary of Phase 4B from the floor of 1H 1 to existing grade with on-site material and/or excess soil to establish a 2:1 side slope.
17. Progressive rehabilitation shall also include backfilling the south boundary of Phase 4B from the floor of 1H 3 to the bottom of 1H 2 with on-site material and/or excess soil to establish a 2:1 side slope.
18. Extract 1H 10 to a maximum depth between 450 to 457.0 m.
19. Extract 1H 11 to a maximum depth between 450 to 457.0 m.
20. Extract 1H 12 to a maximum depth between 450 to 457.0 m.
21. Extract 1H 13 to a maximum depth between 437 to 439.0 m.
22. Progressive rehabilitation shall consist of backfilling the west and south boundary of Phase 4B from the floor of 1H 1 to existing grade with on-site material and/or excess soil to establish a 2:1 side slope.
23. Extract 1H 14 to a maximum depth between 450 to 457.0 m.
24. Extract 1H 15 to a maximum depth between 450 to 457.0 m.
25. Extract 1H 16 to a maximum depth between 450 to 457.0 m.
26. Extract 1H 17 to a maximum depth between 450 to 457.0 m.
27. Extract 1H 18 to a maximum depth between 450 to 457.0 m.
28. Extract 1H 19 to a maximum depth between 450 to 457.0 m.
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PROGRESSIVE REHABILITATION

A. General

- Area calculations
 - Licence Boundary 149.0 ha
 - Pit Limit of Extraction 123.7 ha
 - Quarry Limit of Extraction 65.7 ha
- The maximum annual tonnage is 2,000,000 tonnes.
- The maximum predicted water table within the limits of extraction varies between 483.0 to 500.0 masl and is shown in each cross section on drawing 5 of 5.

B. Phasing

- As excavation reaches the limit of extraction or maximum depth, progressive rehabilitation shall commence.
- Progressive rehabilitation shall follow the general direction and sequence of extraction identified on drawing 2 of 5 and described in the notes on drawing 5 of 5.
- Each phase of extraction shall commence progressive rehabilitation prior to proceeding to the next phase of extraction.

C. Slopes and Grading

- Progressive rehabilitation for the pit shall consist of backfilling the pit floor and side slopes to establish the grades, slopes and elevations depicted on the plan view of this drawing. Side slopes may also be established for the pit using the cut and fill rehabilitation technique.
- Progressive rehabilitation for the quarry shall consist of backfilling the excavation face from lift 1 to the top of bedrock to establish a 2:1 side slope. The excavation face for lift 2 shall remain vertical (see Section N Variations from Control and Operation Standards on drawing 3 of 5). The excavation face for lift 3 shall be backfilled from the floor of lift 3 to the bottom of lift 2 to establish a 2:1 side slope. However, the excavation face for lift 3 along the west boundary of Phase 4B shall remain vertical (see Section N Variations from Control and Operation Standards on drawing 3 of 5).

FINAL REHABILITATION

E. General

- All equipment shall be removed from the site.
- The scale house / office and scale on Lot 13, Concession 3 shall be removed.
- The scale house / office and scale on Lot 12, Concession 3 may remain.
- The farmhouse on Lot 12, Concession 3 may remain.
- Aside from the buildings and structures mentioned in notes E.2 to E.4 above, all other buildings, structures and haul roads shall be removed.
- The anticipated final lake level is 487.0 masl.
- The anticipated final end-use will be agriculture with naturalized open space consisting of a native meadow, side slopes, a woodland, littoral zones, a wetland and a lake.

Site Plan Acronyms

- ARA - Aggregate Resources Act
- MASL - Metres Above Sea Level
- MNR - Ministry of Natural Resources
- MCM - Ministry of Citizenship and Multiculturalism
- MECS - Ministry of Government and Consumer Services
- MECP - Ministry of Environment, Conservation and Parks
- PTTW - Permit to Take Water
- ECA - Environmental Compliance Approval

Site Plan Amendments

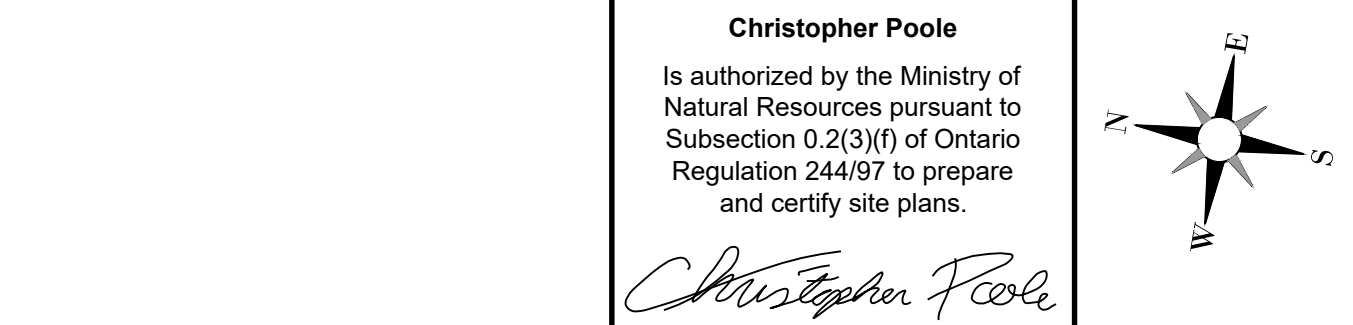
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Site Plan Revisions (Pre-Licensing)

No.	Date	Description	By



MNR Approval Stamp



Applicant



Project

Strada Pit & Quarry
437159 4th Line, Melancton, Ontario, L0N 1S9

MNR Licence Reference No.

Applicant's Signature

Plan Scale: 1:3000 (Arch E)

Date

January 2025

Drawn By

C.P.

Checked By

B.Z.

File No.

Y3491

Drawing Name

Rehabilitation Plan

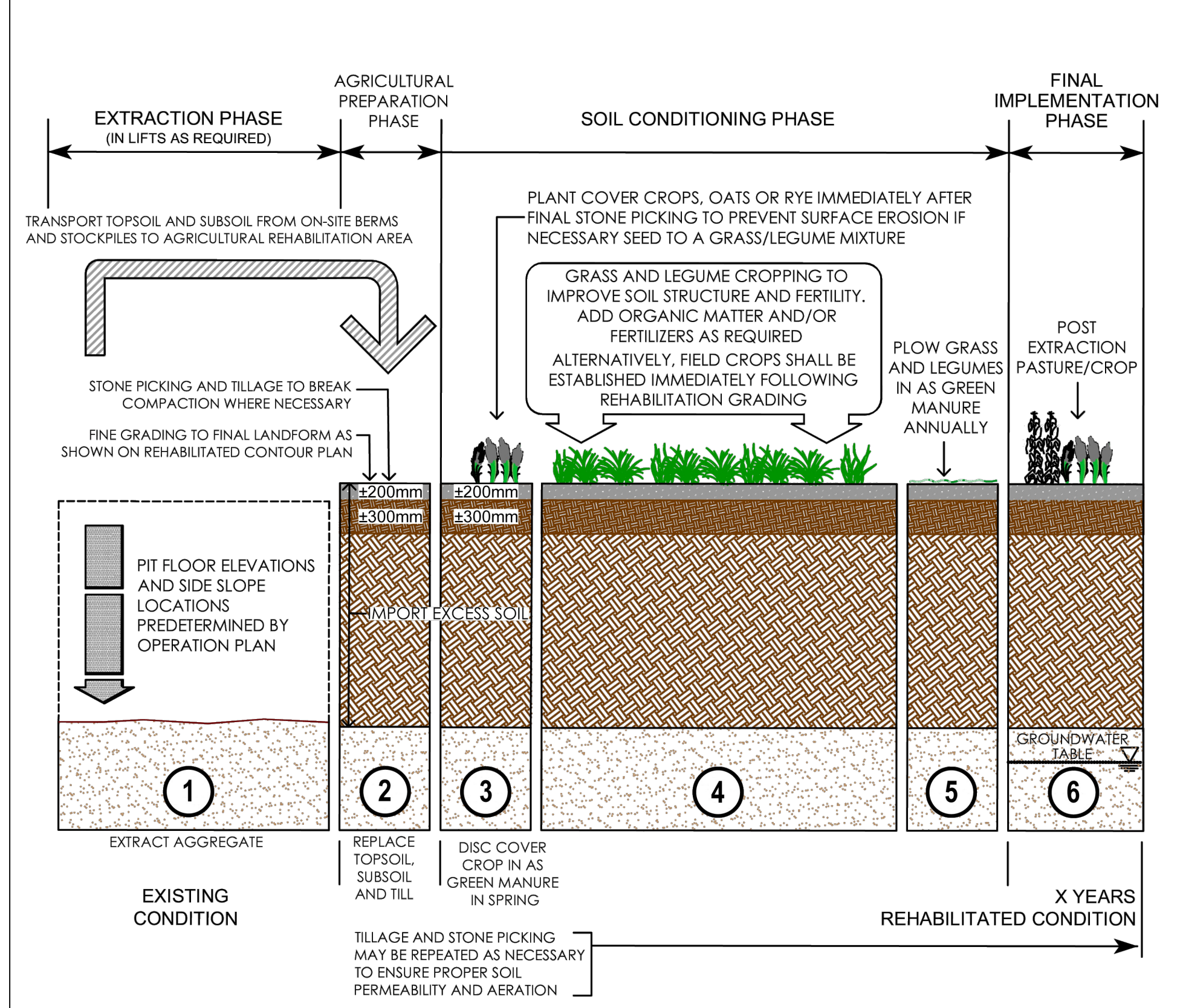
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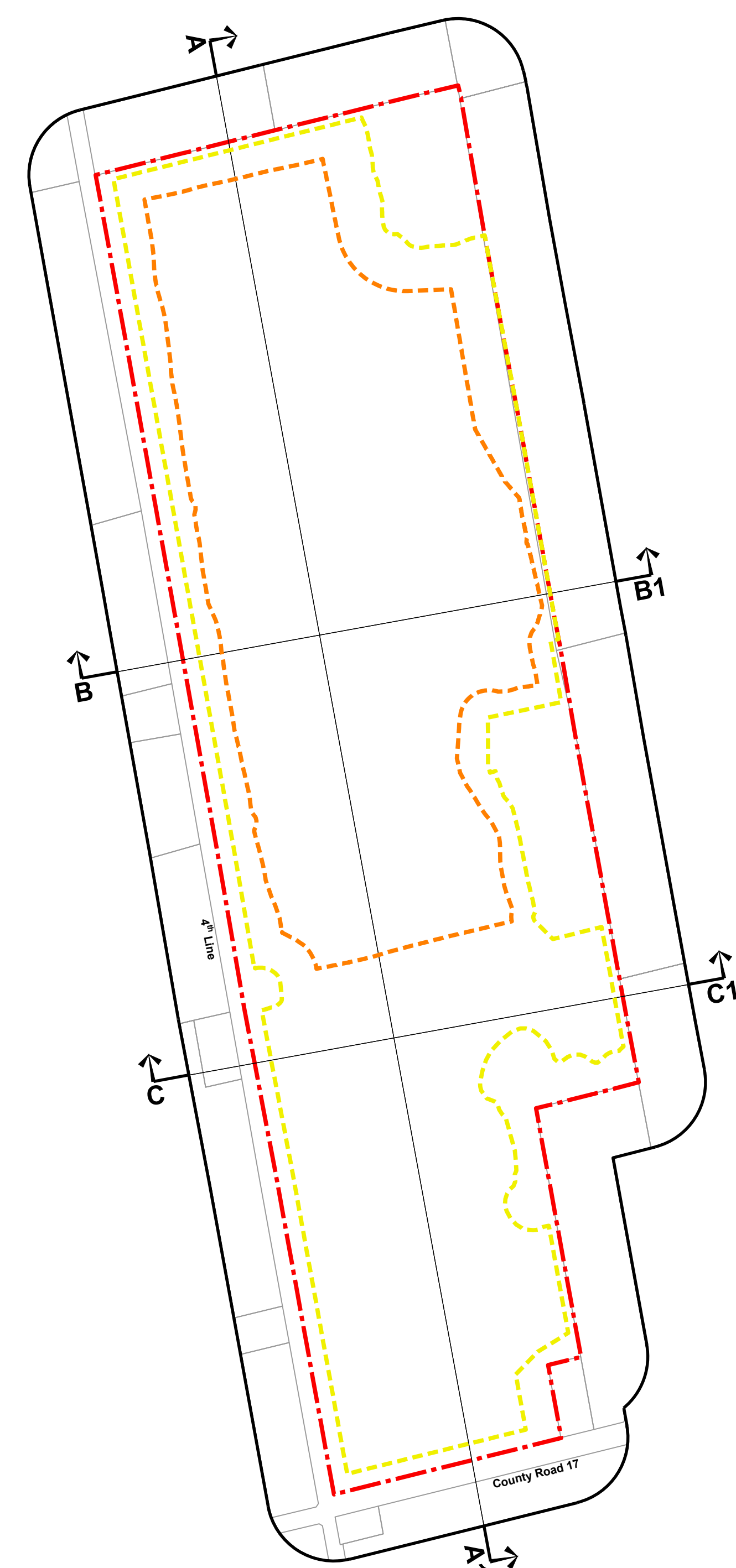
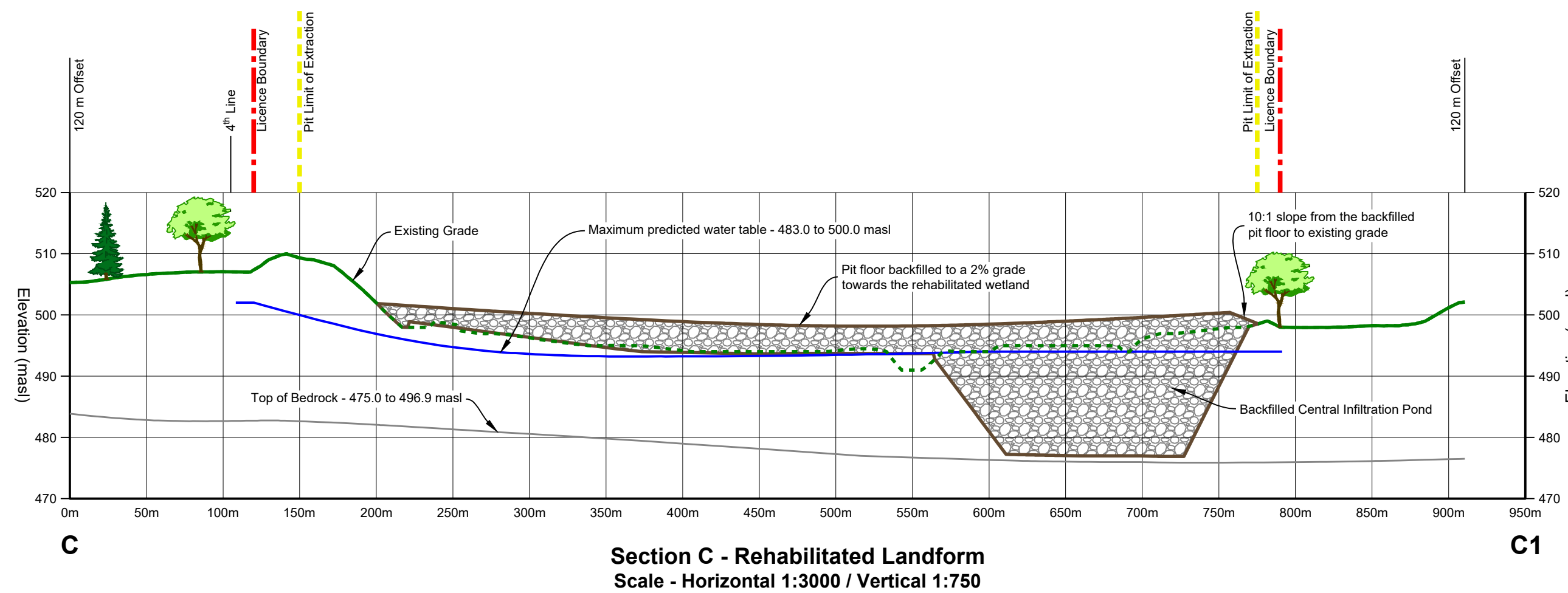
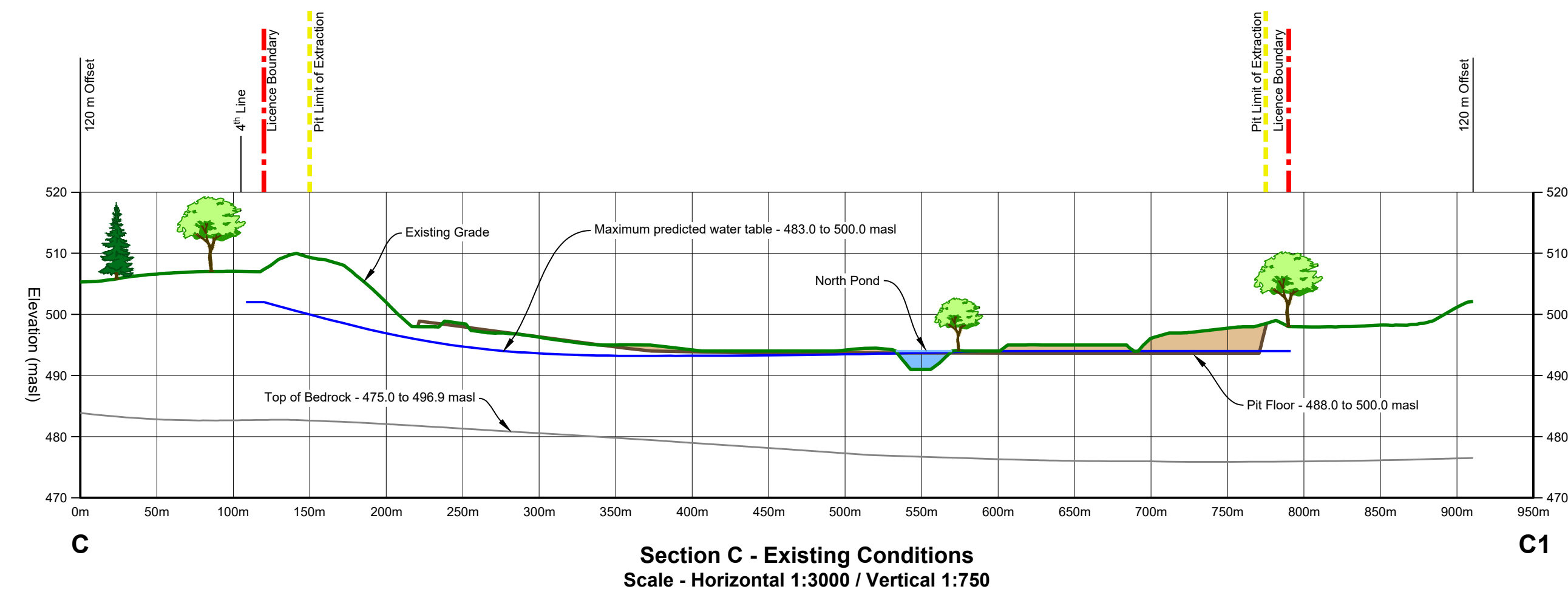
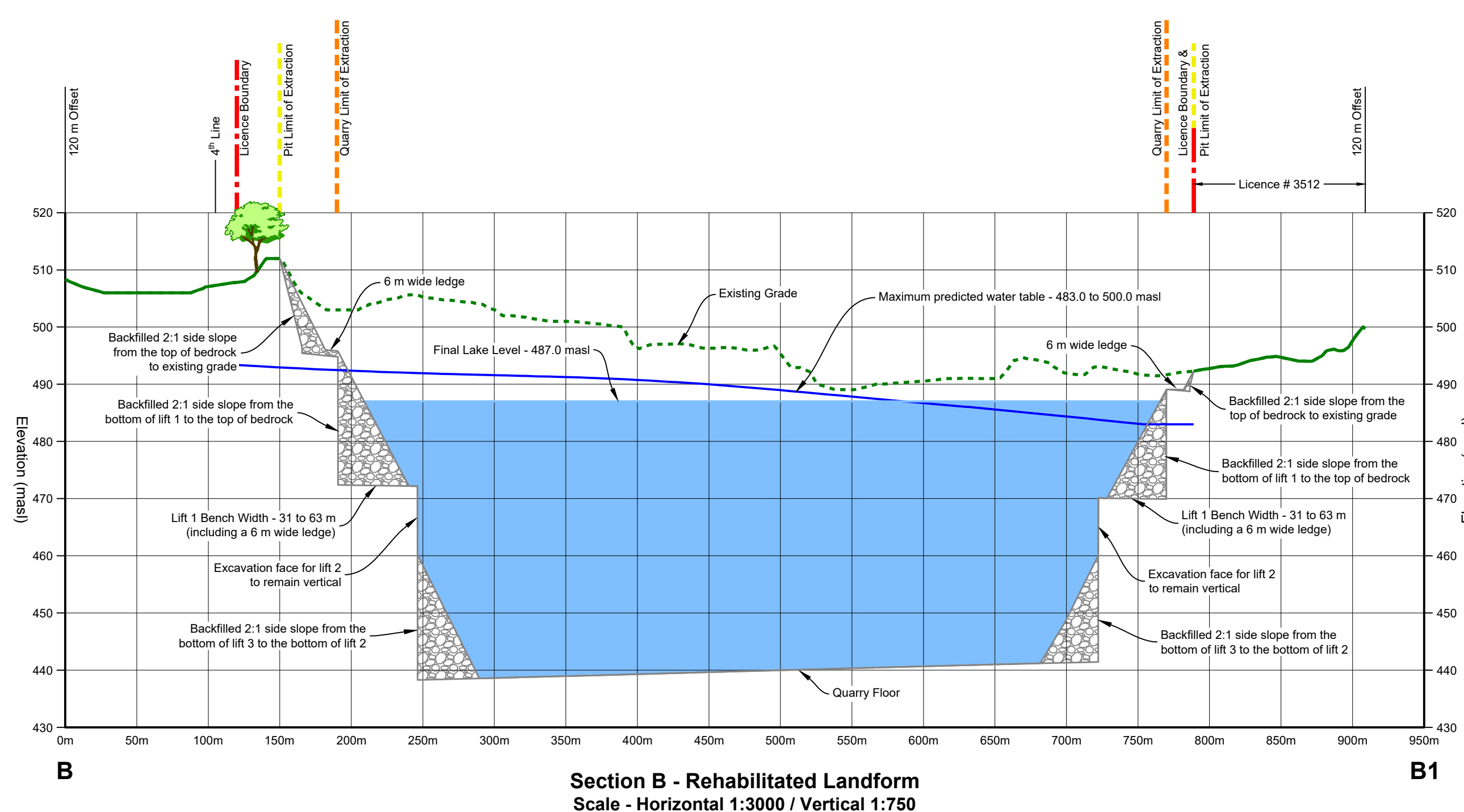
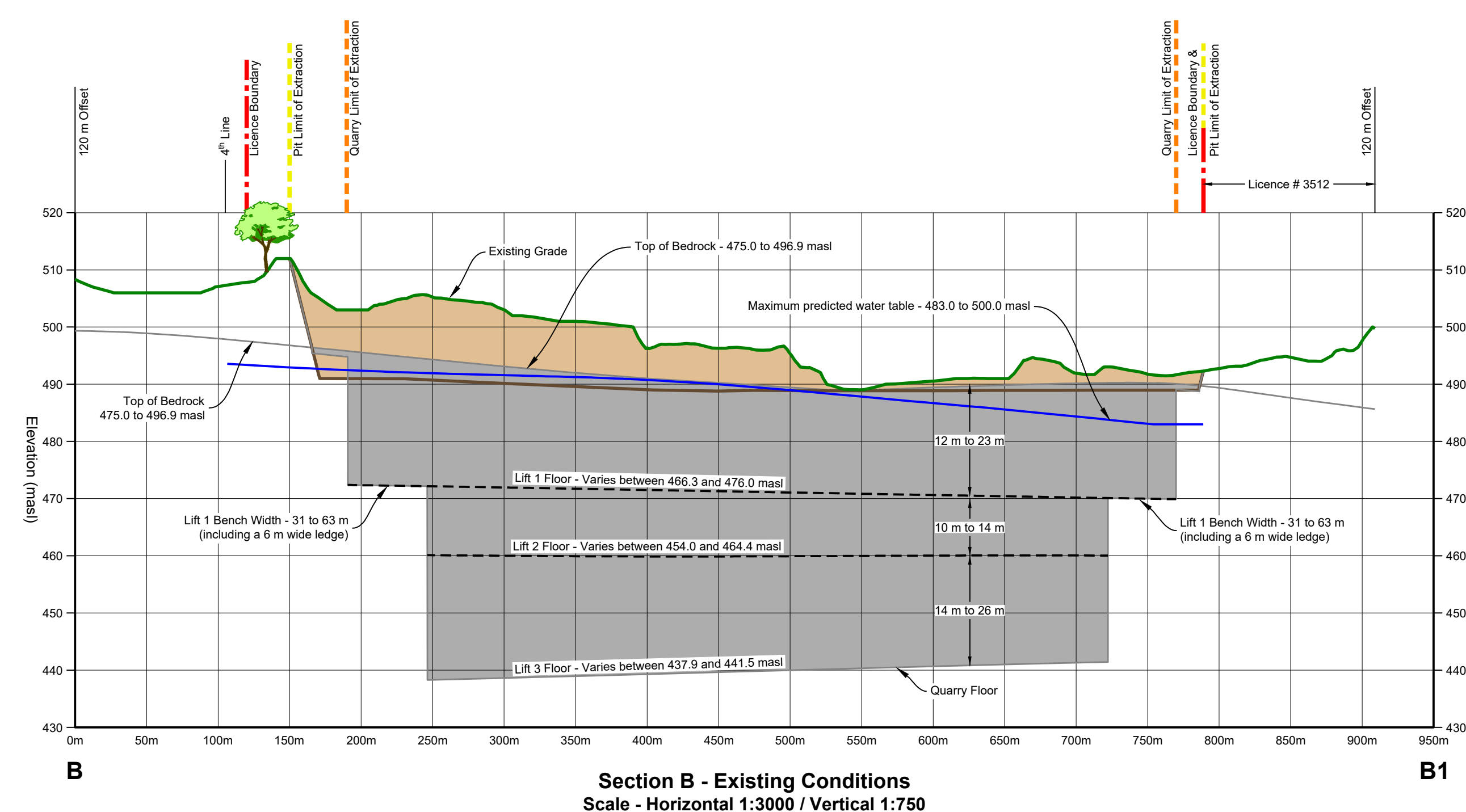
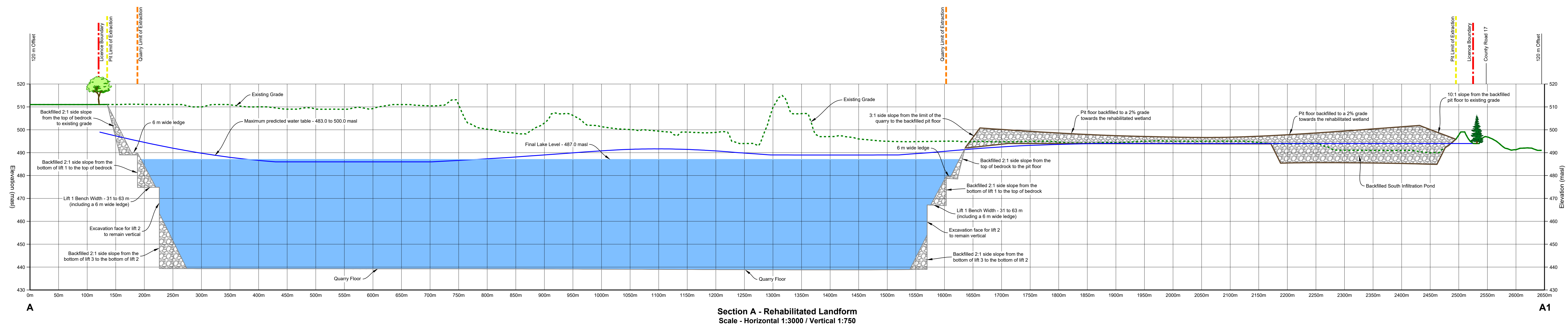
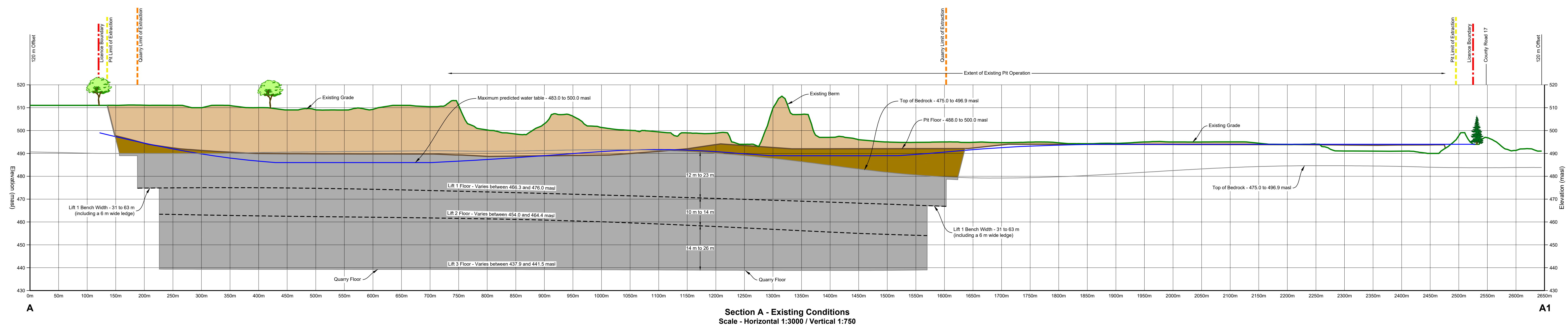
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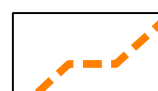
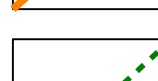
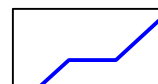
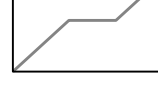
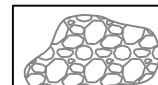
Pit Floor Agricultural Rehabilitation Sequence





Legal Description
Part of West half of Lot 11, Concession 3 West Half of Lots 12, 13 and 14, Concession 3 (former geographic Township of Melancthon) Township of Melancthon, County of Dufferin

Legend

- | | |
|---|---|
|  | Licence Boundary |
|  | Pit Limit of Extraction |
|  | Quarry Limit of Extraction |
|  | Existing Grade - Removed / Altered |
|  | Existing Grade - Undisturbed |
|  | Maximum Predicted Water Table |
|  | Pit Floor |
|  | Quarry Floor / Top of Bedrock |
|  | Backfilled |
|  | Lake or Pond |
|  | Overburden / Till |
|  | Aggregate Available for Extraction - Pit |
|  | Aggregate Available for Extraction - Quarry |

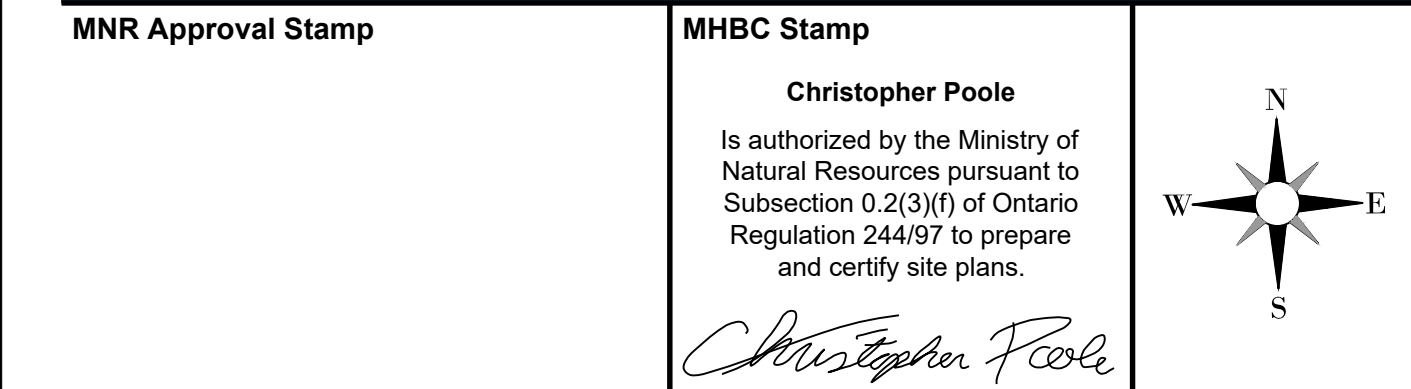
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MHBC | PLANNING
URBAN DESIGN
& LANDSCAPE
ARCHITECTURE
113 COLLIER STREET, BARRE, VT, 05414 | P: 755.728.8845 | WWW.MHBCPLAN.COM



Applicant



Strada Aggregates Inc.
30 Floral Parkway
Concord, Ontario
L4K 4R1

Project **Strada Pit & Quarry**
437159 4th Line, Melancthon, Ontario, L0N 1S9

MNR Licence Reference No.		Applicant's Signature 	
Plan Scale: 1:3000 (Arch E)		Date	January 2025
		Drawn By	C.P.
		Checked By	B.Z.
		File No.	Y3491

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