

Preliminary Impact Assessment

Durham Kawartha Power Line Project Class EA

Hydro One Networks Inc.

Project Number: 60738038

September 2025

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Quality Information



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1	July 4, 2025	Bryan McClure & Liam Ryan	Hydro One Comments
2	September 25, 2025	Bryan McClure	Final

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Executive Summary

In September 2024, Hydro One Networks Inc. (Hydro One) retained AECOM Canada ULC (“AECOM”) to provide a Cultural Heritage Existing Conditions (CHEC) to support the Class Environmental Assessment (EA) for Transmission Facilities for the Durham-Kawartha Power Line Project (the Project). The Project involves a new 53 km double-circuit 230-kilovolt (kV) transmission line between the Clarington Transformer Station (TS) to Dobbin TS near Peterborough. The proposed transmission line will be constructed primarily within an existing Hydro One transmission corridor, requiring new easement rights. The Project includes the removal of existing transmission line components and work at the terminal stations to facilitate connections. Additionally, two route alternatives (Route Option A and Route Option B) have been identified for an approximately 3 km long section of the Project near the Clarington TS. AECOM completed the CHEC study for the Project in March 2025 (AECOM, 2025), which identified fifty-nine (59) known and potential built heritage resources (BHRs) and cultural heritage landscapes (CHLs) within the Project Study Area (PSA).

In spring 2025, Hydro One retained AECOM to complete a Preliminary Impact Assessment (PIA) for the preferred alternative, Route Option B, including all properties within the 120 m buffer on either side of the proposed centreline of the Preferred Route. The Study Area includes fifty-six (56) known and potential BHRs and CHLs, which includes forty-six (46) with potential Cultural Heritage Value or Interest (CHVI) and ten (10) cultural heritage resources listed on Municipal Heritage Registers.

The objective of this PIA is to determine which, if any, of these known and potential BHRs and CHLs may be impacted by construction of the Project along the preferred route; to provide mitigation measures for potential impacts; and to recommend next steps.

This PIA determined that one (1) CHL has the potential to be directly impacted with no direct adverse impacts to cultural heritage value of the resource, four (4) CHLs have the potential to be indirectly impacted by construction vibration, three (3) BHRs and CHLs have the potential to be indirectly impacted by isolation, and thirty-eight (38) BHRs and CHLs have the potential to require post-construction restoration to mitigate potential impacts. No impacts are anticipated to three (3) BHRs and CHLs. AECOM recommends the following:

- As a result of the proposed work there are potential direct impacts to one (1) CHL. The Project is anticipated to directly impact CHL 11, the Durham East Cross Forest Conservation Area that includes an OHT Heritage Conservation Easement over one parcel known as the Happe Property. While the proposed work will result in changes to the landscape/natural features, this has not been identified as an adverse impact to the property's cultural heritage value. As such, although direct impacts are anticipated, they are not considered adverse, and no direct adverse impacts to cultural heritage value are anticipated. No further cultural heritage studies are recommended.
- As a result of the proposed work there are potential indirect impacts to four (4) CHLs in the form of construction vibration. If a final tower location confirms that buildings on these properties are within 60 m of a tower, a qualified vibration specialist should be consulted to advise on an appropriate vibration monitoring program to avoid or reduce impacts to structures on these properties. The properties that have the potential to be indirectly impacted by construction vibration include:

- CHL 3: 1570 Regional Road 3, Municipality of Clarington
 - CHL 20: 905 Gray Road, City of Kawartha Lakes
 - CHL 23: 1228 Highway 7A, City of Kawartha Lakes
 - CHL 32: 528 Sharpe Line, Township of Cavan Monaghan
- As a result of the proposed work there are potential indirect impacts to three (3) BHRs and CHLs in the form of isolation. To prevent this, the Project should be planned to avoid both the heritage properties and their laneways, ensuring they remain connected to roadways. The properties that have the potential to be indirectly impacted by isolation include:
- CHL 15: 525 Ballyduff Road, City of Kawartha Lakes
 - CHL 23: 1228 Highway 7A, City of Kawartha Lakes
 - BHR 6: 1710 Mount Pleasant Road, Peterborough Speedway, Township of Cavan Monaghan
- There are thirty-eight (38) BHRs and CHLs within the existing hydro corridor within which the Project will be built. While construction activities (e.g. access) will constitute potential impacts, post-construction restoration, including the removal of all construction activity, will return the land to pre-construction (agricultural or natural) use;
- No impacts are anticipated to three (3) BHRs and CHLs and no further cultural heritage assessment or mitigation measures are recommended; and
- Any changes to the Proposed ROW, including the alignment or additional staging or laydown areas be added beyond the existing PSA, then the proposed work must be reviewed by a qualified Cultural Heritage Specialist to confirm the anticipated impacts and confirm any new preliminary impacts to BHRs and CHLs identified in the CHEC or the Preliminary HIA. Where possible, laydown areas should be located within previously disturbed or developed areas to minimize the potential for heritage impacts. All laydown areas will be restored to pre-construction conditions following completion of the Project.

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Acronyms

AECOM Canada ULC	AECOM
Built Heritage Resource	BHR
Canada's Historic Places	CHP
Cultural Heritage Evaluation Reports	CHERs
Cultural Heritage Existing Conditions	CHEC
<i>Cultural Heritage Identification and Evaluation Process</i>	I&E Process
Cultural Heritage Landscape	CHL
Cultural Heritage Value or Interest	CHVI
Environmental Assessment	EA
<i>Environmental Assessment Act</i>	EAA
Heritage Impact Assessment	HIA
Hydro One Networks Inc.	Hydro One
Kilometre	km
Kilovolt	kV
Metre	m
Ministry of Citizenship and Multiculturalism	MCM
Durham-Kawartha Power Line	The Project
Ontario Energy Board	OEB
<i>Ontario Heritage Act</i>	OHA
Ontario Heritage Trust	OHT
Ontario Regulation	O. Reg.
Preliminary Impact Assessment	PIA
Project Study Area	PSA
Provincial Heritage Property	PHP

Provincial Heritage Property of Provincial Significance	PHPPS
Right-of-Way	ROW
Standards & Guidelines	S&Gs
Transformer Station	TS

1. Introduction

1.1 Study Purpose and Objectives

In September 2024, Hydro One Networks Inc. (Hydro One) retained AECOM Canada ULC (“AECOM”) to provide a Cultural Heritage Existing Conditions (CHEC) report to support the Class Environmental Assessment (EA) for Transmission Facilities for the Durham-Kawartha Power Line Project (the Project). The Project involves a new 53 km double-circuit 230-kilovolt (kV) transmission line between the Clarington Transformer Station (TS) to Dobbin TS near Peterborough. The proposed transmission line will be constructed primarily within an existing Hydro One transmission corridor, requiring new easement rights. The Project includes the removal of existing transmission line components and work at the terminal stations to facilitate connections. Additionally, two route alternatives (Route Option A and Route Option B) have been identified for an approximately 3 km long section of the Project near the Clarington TS. AECOM completed the CHEC study for the Project in March 2025 (AECOM, 2025), including both route alternatives, which identified fifty-nine (59) known and potential built heritage resources (BHRs) and cultural heritage landscapes (CHLs) within the Project Study Area (PSA).

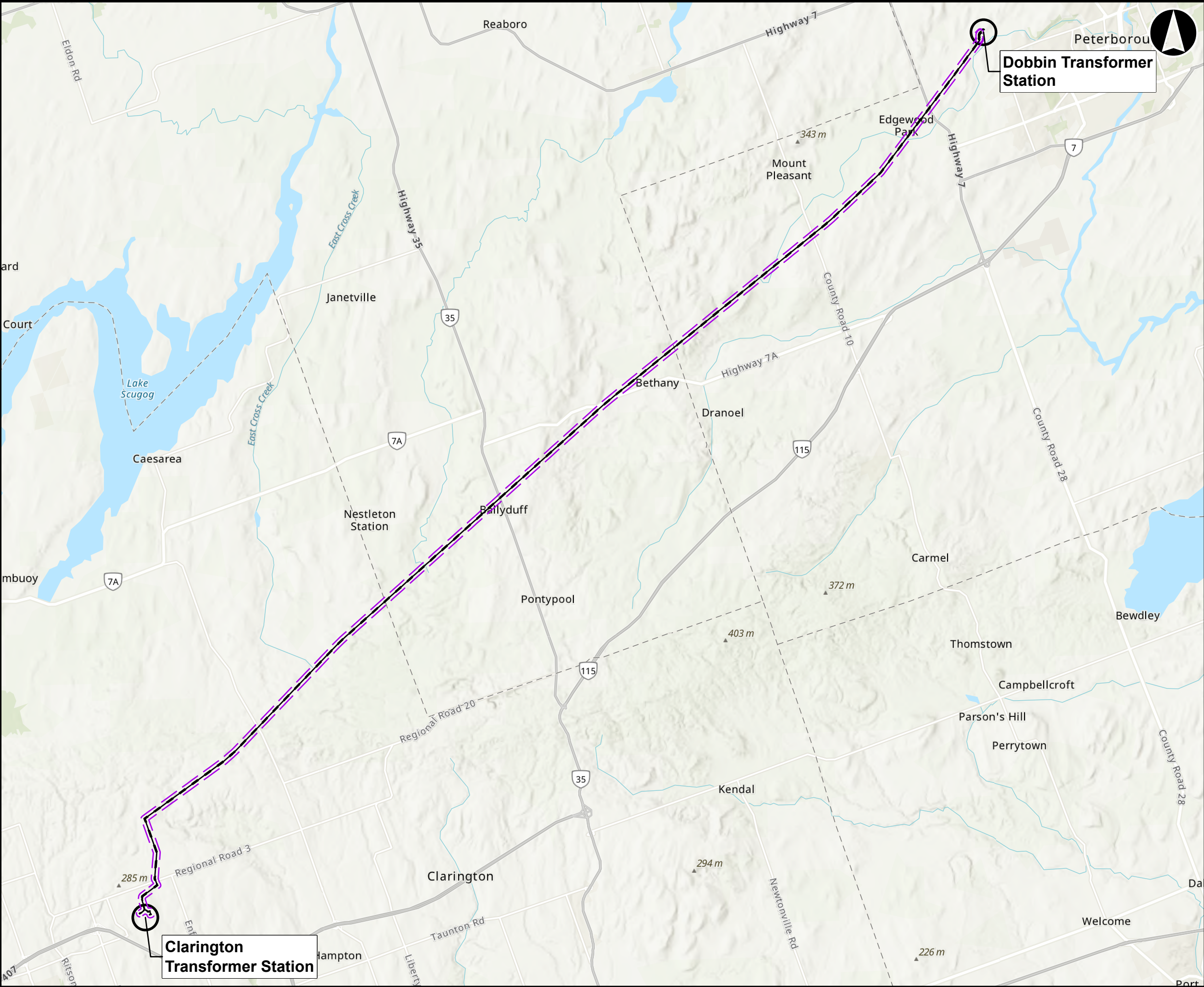
In spring 2025, Hydro One retained AECOM to complete a Preliminary Impact Assessment (PIA) for the preferred alternative, Route Option B, including all properties within the 120 m buffer on either side of the proposed centreline of the Preferred Route. The Study Area includes fifty-six (56) known and potential BHRs and CHLs, which includes forty-six (46) with potential Cultural Heritage Value or Interest (CHVI) and ten (10) cultural heritage resources listed on Municipal Heritage Registers.

The objective of this PIA is to determine which, if any, of these known and potential BHRs and CHLs may be impacted by construction of the Project along the preferred route; to provide mitigation measures for potential impacts; and to recommend next steps.

Following guidelines provided by the Ministry of Citizenship and Multiculturalism (MCM), and Canada’s Historic Places *Standards and Guidelines for the Conservation of Historic Places in Canada* (2010), this PIA provides:

- A background on the legislative framework, purpose, and requirements of an Heritage Impact Assessment (HIA)¹;
- An inventory of the properties and areas with known and potential built heritage resources and cultural heritage landscapes with the study area;
- A description of the Project and an assessment of potential adverse impacts to the identified known and potential built heritage resources and cultural heritage landscapes; and
- Recommendation for future action.

¹ While this report includes background on the legislative framework, purpose, and requirements consistent with an Heritage Impact Assessment (HIA), it is referred to as a PIA.



Legend

- Project Study Area-120m
- Preferred Route
- Proposed Right-of-Way
- Transformer Stations

HONI Durham Kawartha Power Line

Location of the Project Study Area

02.5510

km

NAD 1983 UTM Zone 17N

Mar, 2025	1:155,000	Data Sources: LIO
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Figure 1

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2. Scope and Method

The scope of this PIA is to assess the potential for impacts to known and potential BHRs and CHLs arising from the construction and operation of the Project along the preferred route. AECOM completed the task of identifying known and potential BHRs and CHLs in the CHEC Report for the Project (AECOM, 2025), resulting in the identification of fifty-six (56) known or BHRs and CHLs, including forty-six (46) properties identified as having potential CHVI and ten (10) cultural heritage resources listed on Municipal Heritage Registers.

This report assesses the potential for impacts to each known and potential BHR and CHL based on:

- *Class EA for Transmission Facilities (2024)*;
- Project Mapping, including the right-of-way (ROW), provided by Hydro One;
- The type and description of each known and potential BHR and CHL as determined in the CHEC (AECOM, 2025); and
- The types of direct and indirect impacts to a BHR or CHL, defined in **Section 4.3**.

Following this assessment, this Report recommends next steps for each property which may include, mitigation measures, further heritage studies, or that no additional action is required.

3. Policy Framework

BHRs and CHLs are recognized, protected, and managed through several provincial and municipal planning and policy frameworks, as well as guidance developed at the federal and international levels. These policies have varying levels of authority at the local level, though generally all inform decision-making on the identification and evaluation of BHRs and CHLs. A review of municipal plans and heritage registers were conducted for this PIA and during the CHEC.

3.1 Federal and International Heritage Policies

Guidance for the conservation of federally protected heritage sites is found in Canada's Historic Places (CHP) Standards and Guidelines for the Conservation of Historic Places in Canada (Canada's Historic Places 2010; hereafter CHP Standards and Guidelines). These standards and guidelines were drafted in response to international and national agreements such as the 1964 International Charter for the Conservation and Restoration of Monuments and Sites (Venice Charter), 1979 Australia ICOMOS Charter for Places of Cultural Significance (Burra Charter, updated 2013), and 1983 Canadian Appleton Charter for the Protection and Enhancement of the Built Environment. The CHP Standards and Guidelines define three conservation "treatments" — preservation, rehabilitation, and restoration— and outlines the process and required and recommended actions to meet the objectives for each treatment for a range of built heritage resources and cultural heritage landscapes.

3.2 Provincial Legislative Framework

3.2.1 Ontario Heritage Act and Standards and Guidelines for Conservation of Provincial Heritage Properties

The *Ontario Heritage Act* (OHA) provides the primary statutory framework for the conservation of cultural heritage resources (which includes their identification, protection, and wise management) in Ontario. The conservation of cultural heritage resources is also a matter of provincial interest as reflected in provincial legislation such as the *Planning Act* and the *Environmental Assessment Act*, among others. Under the OHA, all Ontario government ministries and public bodies prescribed under Ontario Regulation 157/10, including Hydro One Inc., are required to follow the *Standards and Guidelines for Conservation of Provincial Heritage Properties* (hereafter OHA S&Gs), prepared under section 25.2 of the OHA, when making any decisions affecting cultural heritage resources on lands under their control.

Consistent with the OHA S&Gs, and with Hydro One's I&E Process (as approved by the Deputy Minister of MCM), Hydro One hires qualified person(s) to undertake technical heritage studies, e.g., to determine whether a property (or properties) under its ownership or control has cultural heritage value or interest based on the criteria under Ontario Regulations 9/06 and 10/06.

The criteria for determining CHVI are defined in O. Reg. 9/06 (as amended by O. Reg. 522/69). This regulation was created to ensure a consistent approach to the identification of heritage properties under the OHA. All designations under the OHA made after 2006 must meet the criteria outlined in the regulation.

If a provincially or prescribed public body owned property meets one or more criterion of O. Reg. 9/06, it may be considered to possess CHVI for designation as a “provincial heritage property” (PHP), while a property that meets one or more of the criteria under O. Reg. 10/06 may be considered for designation as a “provincial heritage property of provincial significance” (PHPPS). PHPs and PHPPS are formally described with a Statement of Cultural Heritage Value (SCHV) that includes a brief property description, a succinct statement of the property’s cultural heritage significance, and a list of its heritage attributes. Once determined to have CHVI, the identified BHRs or CHLs are then added to a list maintained by the MCM.

A property must meet at least one criterion outlined in O. Reg. 9/06 to possess CHVI at the local level:

1. The property has design value or physical value because it is a rare, unique, representative or early example of a style, type, expression, material or construction method;
2. The property has design value or physical value because it displays a high degree of craftsmanship or artistic merit;
3. The property has design value or physical value because it demonstrates a high degree of technical or scientific achievement;
4. The property has historical value or associative value because it has direct associations with a theme, event, belief, person, activity, organization or institution that is significant to a community;
5. The property has historical value or associative value because it yields, or has the potential to yield, information that contributes to an understanding of a community or culture;
6. The property has historical value or associative value because it demonstrates or reflects the work or ideas of an architect, artist, builder, designer or theorist who is significant to a community;
7. The property has contextual value because it is important in defining, maintaining or supporting the character of an area;
8. The property has contextual value because it is physically, functionally, visually or historically linked to its surroundings; and
9. The property has contextual value because it is a landmark.

A property may possess CHVI at the provincial level if it meets at least one of the following criteria outlined in O. Reg. 10/06:

1. The property represents or demonstrates a theme or pattern in Ontario’s history;
2. The property yields, or has the potential to yield, information that contributes to an understanding of Ontario’s history;
3. The property demonstrates an uncommon, rare or unique aspect of Ontario’s cultural heritage;
4. The property is of aesthetic, visual or contextual importance to the province;
5. The property demonstrates a high degree of excellence or creative, technical or scientific achievement at a provincial level in a given period;
6. The property has a strong or special association with the entire province or with a community that is found in more than one part of the province. The association exists for historic, social, or cultural reasons or because of traditional use;

7. The property has a strong or special association with the life or work of a person, group or organization of importance to the province or with an event of importance to the province; and
8. The property is located in an unorganized territory and the Minister determines that there is a provincial interest in the protection of the property. O. Reg. 10/06, s. 1 (2).

3.2.1.1 Provincial Standards & Guidelines

As mentioned above, heritage conservation on provincial properties must comply with the OHA S&Gs. After introducing the requirement for the S&Gs and key definitions, the document outlines the overall principles, general provisions, and a series of comprehensive policies for how Ministries and public bodies shall operate to maintain, use, and dispose of provincial heritage properties. The S&Gs also require all provincial ministries and public bodies to develop their own “evaluation process to identify provincial heritage properties” (Section B.2). To address this requirement, Hydro One developed the *Hydro One Cultural Heritage Identification and Evaluation Process* (2019). Additional documents drafted to support implementing the OHA S&Gs include the *Standards and Guidelines for the Conservation of Provincial Heritage Properties – Heritage Identification & Evaluation Process* (2014), which provides detailed explanations of the O. Reg. 9/06 and O. Reg. 10/06 criteria and their application, and *Information Bulletin 3: Heritage Impact Assessments for Provincial Heritage Properties* (Information Bulletin 3), which describes how to organize the sections of a heritage impact assessment and the range of possible impacts and mitigation measures.

For this Preliminary HIA, the following definitions from Information Bulletin 3 of direct adverse, indirect adverse, and positive impacts are used:

- **Direct Adverse Impact:** The permanent and irreversible negative affect on the cultural heritage value or interest of a property or result in the loss of a *heritage attribute* on all or part of the *provincial heritage property*.
- **Indirect Adverse Impact:** The result of an activity on or near the property that may adversely affect its cultural heritage value or interest and/or *heritage attributes*.
- **Positive Impact:** Those that may positively affect a property by conserving or enhancing its cultural heritage value or interest and/or *heritage attributes*.

3.2.2 Environmental Assessment Act and Ontario Energy Board Act

The *Environmental Assessment Act* (EAA) was legislated to ensure that Ontario’s environment is protected, conserved, and wisely managed. Under the EAA, “environment” includes not only natural elements such as air, land, water and plant and animal life, but also the “social, economic and cultural conditions that influence the life of humans or a community”, and “any building, structure, machine or other device or thing made by humans”.

Cultural heritage resources including archaeological resources, BHRs and CHLs are included in the cultural component of the environment. To determine the potential environmental effects of a new development, the EA process was created to standardize decision-making. A class environmental assessment is a document that sets out a standardized planning process for classes or groups of activities. It applies to projects that are carried out routinely and have predictable environmental effects that can be readily managed. For this project, this procedure is outlined in the *Class Environmental Assessment for Transmission Facilities* (2024).

The Project is also subject to Section 92 by the Ontario Energy Board [OEB] Act, 1998, which requires that transmitters and distributors obtain approval from the OEB. Once the OEB approves a project it will grant the transmitter or distributor a “Leave to Construct”.

4. Preliminary Impact Assessment

The purpose of a PIA is to determine if the known or potential BHRs and CHLs within the PSA may be impacted by the Project. Based on this preliminary assessment, next steps are recommended.

4.1 Identified Built Heritage Resources and Cultural Heritage Landscapes

The CHEC for the Project identified the following known and potential BHRs and CHLs within the PSA:

- Five (5) potential BHRs;
- Forty-one (41) potential CHLs;
- One (1) BHR listed on a Municipal Heritage Register; and
- Nine (9) CHLs listed on a Municipal Heritage Register.

In total, forty-five (45) properties within the PSA are identified as having potential CHVI, with ten (10) properties within the PSA as known BHRs and CHLs.

4.2 Project Description

The activities involved in the construction of a transmission line are outlined in *Class EA for Transmission Facilities* (Hydro One, 2024), and additional information on construction methods provided by Hydro One.

There are six stages in the construction process including:

- Access Roads;
- Tower Foundations;
- Tower Assembly and Erection;
- Conductor Stringing;
- Counterpoise, if required; and
- Clean-up.

The Project will take place within an existing transmission ROW, repurposed for this new line. The approximate width of the 230 kV transmission ROW is 46 m (23 m on either side of the centreline). Access roads to the ROW, wherever possible, will follow existing roads and lanes with any resulting damage repaired upon completion of construction activities. Where required, new aggregate or mat-based access roads will be constructed in consultation with property owners and applicable authorities during detailed design. If construction activities occur outside the PSA, the contractor should seek advice from a qualified cultural heritage specialist.

Tower foundations will be determined by the chosen site and the type of soil with construction vehicles in the PSA to excavate material that will be removed or spread in a suitable location. Towers are expected to be assembled in the PSA via access roads with towers erected into position by crane. Conductor stringing is conducted via slack stringing or tension stringing with specialized equipment required for tension stringing including helicopters. Equipment is moved along existing roads where possible with access roads within the ROW where necessary for construction activities. Counterpoise ensures the line will operate efficiently with electrical ground resistance at below each tower. Normal procedure is to bury

two continuous wires along the ROW on each side of the towers by track vehicles with ground wires on reels and buries them via a plough attachment with each wire attached to the towers. Where necessary, additional wires will be buried. The depth of the wires is based on soil conditions and uses. Clean-up is the final stage but also one that occurs continuously during the construction process. Any necessary restoration to the ROW is carried out with erosion sites stabilized and screen plantings established as required.

Additionally, part of Route Option B may be underground. There are three types of underground transmission lines:

- Self-contained, low-pressure liquid-filled cable;
- High-pressure, liquid-filled pipe-type cable; and
- Polymeric cable.

At present, all new circuits are polymeric cables with the other two only used where cable repair or relocation is required.

Based on AECOM's understanding of the proposed work, the following activities are anticipated on the Preferred Route:

- New transmission corridor (approximately 46 m) from Clarington TS to Langmaid Road for approximately 1.3 km;
- New underground line from Langmaid Road under Regional Road 3 for approximately 200 m;
- New transmission corridor from north of Regional Road 3 to north of Concession Road 9 for approximately 2.6 km (previously referred to as Route Option B) replacing wooden distribution poles from north of Concession Road 7 to north of Concession Road 9; and
- From here, the new line will connect into the existing hydro corridor, removing previous structures supporting both an existing 115 kV line and replacing it with the new 230 kV line. This work will require new easements, but the ROW is not anticipated to be widened. The existing ROW runs through the Municipality of Clarington, Township of Scugog, City of Kawartha Lakes, Township of Cavan Monaghan, and Township of Selwyn for approximately 50 km to Dobbin TS in Peterborough County where the line will terminate.

The new easement in the existing Hydro One ROW represents a minor impact to known and potential BHRs and CHLs because a hydro corridor with towers and lines already exists within and/or adjacent to these properties. In cases where the new easement is proposed within or adjacent to a known and potential BHRs and CHLs, mitigation measures such as avoidance, protective zones/barriers during construction, and the development of a vibration monitoring program may be recommended.

4.3 Impact Assessment

When determining the effects that infrastructure or site alteration may have on known or potential BHRs or CHLs, Information Bulletin 3 provides guidance and examples of direct adverse impacts, indirect adverse impacts, and positive impacts to BHRs and CHLs (MCM 2017).

Examples of direct adverse impacts include, but are not limited to:

- Removal or demolition of all or part of any heritage attribute;

- Removal or demolition of any building or structure on the provincial heritage property whether or not it contributes to the CHVI of the property (i.e. non-contributing buildings);
- Any land disturbance such as a change in grade and/or drainage patterns that may adversely affect a provincial heritage property, including archaeological resources;
- Alterations to the property in a manner that is not sympathetic, or is incompatible, with CHVI of the property. This may include necessary alterations, such as new systems or materials to address health and safety requirements, energy-saving upgrades, building performance upgrades, security upgrades or servicing needs;
- Alterations for access requirements or limitations to address such factors as accessibility, emergency egress, public access, security;
- Introduction of new elements that diminish the integrity of the property, such as a new building, structure or addition, parking expansion or addition, access or circulation roads, landscape features;
- Changing the character of the property through removal or planting of trees or other natural features, such as a garden, or that may result in the obstruction of significant views or vistas within, from, or of built or natural features;
- Change in use for the provincial heritage property that could result in permanent, irreversible damage or negates the property's CHVI; and
- Continuation or intensification of a use of the provincial heritage property without conservation of heritage attributes.

Examples of indirect adverse impacts include, but are not limited to:

- Shadows that alter the appearance of a heritage attribute or change the visibility of an associated natural feature or plantings, such as a tree row, hedge or garden;
- Isolation of a heritage attribute from its surrounding environment, context or a significant relationship;
- Vibration damage to a structure due to construction or activities on or adjacent to the property; and
- Alteration or obstruction of a significant view of or from the provincial heritage property from a key vantage point.

Examples of positive impacts include, but are not limited to:

- Changes or alterations that are consistent with accepted conservation principles, such as those articulated in MCM's *Eight Guiding Principles in the Conservation of Historic Properties*, *Heritage Conservation Principles for Land Use Planning*, Parks Canada's *Standards and Guidelines for the Conservation of Historic Places in Canada*;
- Adaptive re-use of a property – alteration of a provincial heritage property to fit new uses or circumstances of the property in a manner that retains its CHVI; and
- Public interpretation or commemoration of the provincial heritage property.

Historic structures, particularly of masonry construction, are susceptible to damage from vibration caused by pavement brakers, plate compactors, utility excavations, and increased heavy vehicle traffic in the immediate vicinity, a noted indirect adverse impact. While there is no applicable policy defining the distance within which vibration impacts must be considered, 60 m is a standard screening radius used in State Departments of Transportation (Carman et. Al. 2012: 31) and is adopted in this report.

Consultation with Hydro One about the proposed Project works, including the anticipated height and structure of infrastructure within the Proposed ROW, and past experience from transmission line projects, determined that a 120 m buffer is appropriate to capture potential indirect impacts on contextual heritage attributes such as views, vistas, and the movement of construction materials and personnel. This buffer represents a minimum distance to account for potential visual prominence, noise, and activity during construction and operation. It also considers variations in topography and sightlines, ensuring potential impacts are not underestimated. The 120 m buffer was determined to be sufficient to encompass the area where indirect impacts from the Project may occur, ensuring that all potential adverse impacts on known and potential BHRs and CHLs are adequately captured. For BHRs and CHLs identified within the PSA, the full property parcel was screened as part of the CHEC and is assessed through the PIA if intersected by the Preferred Route.

4.4 Results and Recommendations

The preliminary impact assessment of the fifty-six (56) known and potential BHRs and CHLs in the PSA determined that one (1) CHL has the potential to be directly impacted with no direct adverse impacts to cultural heritage value of the resource, four (4) CHLs have the potential to be indirectly impacted by construction vibration, three (3) BHRs and CHLs have the potential to be indirectly impacted by isolation, and thirty-eight (38) BHRs and CHLs have the potential to require post-construction restoration to mitigate potential impacts. No impacts are anticipated to three (3) BHRs and CHLs. The preliminary impact assessment and recommendations for each property are provided in **Table 1**. The location of the BHRs and CHLs in the PSA are mapped on **Figure 2**.

Table 1: Preliminary Impact Assessment of the Known and Potential BHRs and CHLs within the PSA

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 1	1588 Concession Road 9, Municipality of Clarington PIN: 267400023	Potential CHL	The property is a farm complex which contains a 19 th or early 20 th century gambrel roof Ontario style barn with three additions in vertical wood boards. The property also contains two modern agricultural outbuildings that appear to have been constructed in the late 20 th century.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is not located within the property. No direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended.
CHL 2	1628 Concession Road 9, Municipality of Clarington PIN: 267400028	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, 19 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey three-bay Ontario Farmhouse with Gothic Revival influence. The house exhibits Gothic style through the central gable and window in the gable. The building is clad in vinyl siding with sash windows. Based on aerial imagery, there are rear additions to the house. North of the house is a gambrel roof barn with an addition on the south elevation creating an L-shape plan. The barn is obscured from the road, but a concrete silo can be seen south of the barn.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 3	1570 Regional Road 3, Municipality of Clarington PIN: 267390015	Potential CHL	The house is a one-and-a-half storey Gothic Revival farmhouse with a cross-gable roof. The south (front) elevation has gable end and projecting wing on the west side. The entrance has a vestibule with vinyl siding and a porch east of the entrance. The south elevation is clad in vinyl siding, but the east and west elevations show the house clad in red brick with buff brick accents. Aerial imagery shows a rear addition with a sheet metal roof off the east side of the north elevation.	 (Field Review, November 2024)	No Direct Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. Therefore, no direct adverse impacts are anticipated. Potential Indirect Adverse Impacts – Vibration: The farmstead structures, including the farmhouse and associated outbuildings fall within the 60 m Cultural Heritage Vibration Study Area of the Proposed ROW. Therefore, the farmstead structures are anticipated to be indirectly impacted by construction vibration.	■ Vibration Monitoring: If towers are required within 60 m of the structures, a qualified vibration specialist should be consulted to advise on an appropriate vibration monitoring program to avoid or reduce impacts to structures on this property. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions. ■ No further cultural heritage studies are recommended.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 4	1792 Concession Road 9, Municipality of Clarington PIN: 267400065	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house is a one-and-a-half storey Gothic Revival Ontario farmhouse with cross-gable roof clad in asphalt shingles. The house is clad in red brick with white painted brick quoins and voussoirs. The gable ends have carved wood bargeboards. The front (south) elevation has a projecting wing on the east side with a bay window, a gable end over the entrance, and a modern covered porch over the front entrance. The house has a rear addition on the west half with both the house and the addition on a fieldstone foundation. The addition is clad in vinyl siding with a metal roof.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 5	2012 Concession Road 9, Municipality of Clarington PIN: 267420099	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The property contains two 19 th or early 20 th century agricultural buildings and a 20 th century house. The two agricultural buildings are a gable roof barn and a gable roof driveshed. Both are clad in vertical wood board with sheet metal roofs. The barn has an addition on the west elevation. The barn is missing boards and appears to be in poor condition. The 20 th century	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
			house is a cross-gable house clad in red brick.			removed and the land returned to pre-construction conditions.
CHL 6	Canadian Pacific Railway, Municipality of Clarington PIN: 267420148	Potential CHL	The Canadian Pacific (CP) railway line travels in an east-west direction east of the Village of Burketon Station. The line is a single-track line.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW crosses the CP railway line; however, no direct or indirect impacts are expected, as it is assumed that hydro towers and construction roads will not be placed within the railway corridor.	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the resource. - No further cultural heritage studies are recommended.
CHL 7	3830 Mountjoy Road, Township of Scugog PIN: 267440138	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house constructed out of red brick with buff brick accents. Details of the house are difficult to see due to the distance from the road and the number of mature trees growing around the house. The barn on the property is a gable roof bank barn with stone foundation and vertical board cladding. The barn has a metal roof.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 8	3870 Mountjoy Road, Township of Scugog PIN: 267440119	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house with minimal embellishments. The house is clad in red brick with a central gable over the main entrance. The house has segmentally arched windows with a rear addition creating a cross-gable roof. The property has several agricultural outbuildings including a 19 th or early 20 th century gambrel roof barn that is possibly a banked barn. The barn is clad in vertical wood boards with a metal roof. The other barn buildings were constructed in the 20 th century.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 9	10550 Fowler Line, Township of Scugog PIN: 267440057	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The property consists of a one-and-a-half storey late 20 th century style house. The house has a gable roof with a covered porch and hipped dormer on the front (north) elevation. The house is clad in vinyl siding. Located north of the house is a 19 th ore early 20 th century gable roof driveshed or barn clad in vertical wood board with sheet metal roof. The building has an addition off the north elevation. The building is a poor condition.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 10	4440 Devitts Road, Township of Scugog PIN: 267440029	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, early 20 th century barn, outbuildings, and agricultural landscape features. The buildings on the property are not visible from the road. The property consists of a cross-gable house with two dormers on the front elevation with two additions, one on off the rear of the house and one off the side of the rear addition. The property also has several agricultural outbuildings including several barns and drivesheds. One barn is believed to be from the early 20 th century but is not visible from the road. The farmstead is located at the end of a long driveway.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 11	Durham East Cross Forest Conservation, Township of Scugog PINs 267440030 267440066 267440069 267440132	Potential CHL and OHT Heritage Conservation Easement	Nestled within the Oak Ridges Moraine, the Durham East Cross Forest Conservation area (an area over 500 acres in size) consists of woodlands, waterways, naturalized area, and remnants of agricultural fields. A parking lot is located off Devitts Road to access the many walking and hiking trails. Not all parcels of the Conservation Area are adjacent to each other. One parcel, located on Lot 19, Concession 1 of the former Township of Cartwright, now Township of Scugog, known as Happe Property, has been identified with an Ontario Heritage Trust natural heritage easement. While still part of the Conservation Area, the Happe	 (Field Review, November 2024)	Direct Impacts: The Proposed ROW is within the multiple property parcels that make up the Durham East Cross Forest Conservation, one parcel (Lot 19, Concession 1) with an OHT Heritage Conservation Easement. Based on correspondence with the OHT, there are no known heritage features on the property, such as structures, ruins, or archaeological sites. While the proposed work will result in changes to the landscape/natural features, this has not been identified as an adverse impact to the property's cultural heritage value. As such, although direct impacts are anticipated, they are not considered adverse, and no	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the resource. ■ Hydro One should maintain ongoing correspondence with the OHT regarding the landscape and natural features that may be directly impacted. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from significant landscape/natural features to prevent accidental adverse impacts. Any access roads built within the proposed area that

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
			Property has East Cross Creek flowing south from the Oak Ridges Moraine with a meadow marshland in the northern section of the parcel that is an important breeding habitat.		direct adverse impacts to cultural heritage value are anticipated.	disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
BHR 2	84 Waite Road, City of Kawartha Lakes PIN: 632680059	Potential BHR	The house on the property is a one-and-a-half storey gable roof house with Georgian style influences. The house has been heavily modified with the removal of the original front entrance and side addition as the new entrance. The house has a rear addition and with the side addition has an L-shaped plan. The property has potential design value due to the Georgian style house.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. The farmstead structures fall within the 120 m buffer but beyond the 60 m Cultural Heritage Vibration Study Area and are not anticipated to be indirectly impacted by construction vibration. Therefore, no direct or indirect adverse impacts are anticipated.	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 12	709 Wilmont Road, City of Kawartha Lakes PIN: 632670097	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The property has a 20 th century one-storey house with vinyl siding and a gable roof. The property has several agricultural outbuildings including two 19 th or early 20 th century barns. One barn has a saltbox roof and the other is a gambrel roof barn. The barns have vertical wood boards and metal roofs. The gambrel roof barn is in poor condition.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
						removed and the land returned to pre-construction conditions.
CHL 13	350 Ballyduff Road, City of Kawartha Lakes PIN: 632670107	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey house with Gothic Revival style influences. The house is clad in stucco with brick voussoirs. A projecting wing is off the east elevation. Views of the front (north) elevation are obscured by a mature pine tree. A rear addition is on the house. The property also has a gambrel roof barn with vertical board siding and a metal roof. Other agricultural buildings on the property are modern.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 14	475 Ballyduff Road, City of Kawartha Lakes PIN: 632670292	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-storey Edwardian Classicism Four-Square house with a hipped roof and clad in stucco or plaster. The house has a side addition on the west elevation clad in vinyl and one-storey tall with gable roof. A gable roof barn is located north of the farmhouse with vertical board siding and metal roof. The barn is in a poor condition. A saltbox roof driveshed is south of the farmhouse with metal siding.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 15	525 Ballyduff Road, City of Kawartha Lakes PIN: 632670290	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey vernacular style Ontario farmhouse with a gable roof. The style is unclear due to the distance from the road and additions to the side and rear. The house is clad in stucco. A gable roof barn is located north of the house with vertical wood board siding and metal roof.	 (Field Reivew, November 2024)	No Direct Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. Therefore, no direct adverse impacts are anticipated. Potential Indirect Adverse Impacts – Isolation: A potential indirect impact has been identified where the Proposed ROW crosses the property laneway. If a hydro tower is constructed on the laneway, it could restrict access and potentially isolate the property. Further mitigation is required.	■ Avoidance (Isolation): The Project should be planned in a manner that ensure that the property laneway remains fully accessible and is neither restricted nor severed, preventing any risk of isolation from the roadway. This property should be noted on project drawings as a “potential heritage property” to identify the heritage status of the property to project personnel. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions. ■ No further cultural heritage studies are recommended.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 16	579 Ballyduff Road, City of Kawartha Lakes PIN: 623670288	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, a 19 th or 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-storey Victory style house with gable roof and covered porch over the front entrance. A garage is attached to the house on the east elevation. The house is clad in vinyl siding. A gable roof barn with stone foundation, vertical board siding, and metal roof is north of the house. Other outbuildings on the property are modern in design.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. The farmstead structures fall within the 120 m buffer but beyond the 60 m Cultural Heritage Vibration Study Area and are not anticipated to be indirectly impacted by construction vibration. Therefore, no direct or indirect adverse impacts are anticipated.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 17	758 Highway 35, City of Kawartha Lakes PIN: 632660148	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house constructed of red brick with buff brick accents. The house has gables along the elevation with an addition on the east elevation. There are 20 th century agricultural outbuildings.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 18	653 Ballyduff Road, City of Kawartha Lakes PIN: 632660150	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style farmhouse with central gable and front porch. The house has a rear one-storey addition. The house is clad in stucco. The property has agricultural outbuildings including a historic gambrel roof barn with vertical boards and metal roof. Other buildings include concrete silos and a saltbox pole barn.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 19	14 Pit Road, City of Kawartha Lakes PIN: 632660227	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey log house with gable roof and dormers. The house has a covered porch with a garage adjacent to the house. The house is constructed of logs with the upper storey added to the building.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. The farmstead structures fall within the 120 m buffer but beyond the 60 m Cultural Heritage Vibration Study Area and are not anticipated to be indirectly impacted by construction vibration. Therefore, no direct or indirect adverse impacts are anticipated.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 20	905 Gray Road, City of Kawartha Lakes PIN: 632660144	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-half storey Gothic Revival style house with an L-shaped plan and central gable in the corner of the L. The house is clad in red brick with a sunroom between the two wings of the house. A rear addition is located on the house. A gable roof barn is northwest of the house with vertical board siding and a metal roof.	 (Field Review, November 2024)	No Direct Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. Therefore, no direct adverse impacts are anticipated. Potential Indirect Adverse Impacts – Vibration: The farmstead structures, including the farmhouse and associated outbuildings fall within the 60 m Cultural Heritage Vibration Study Area of the Proposed ROW. Therefore, the farmstead structures are anticipated to be indirectly impacted by construction vibration.	■ Vibration Monitoring: If towers are required within 60 m of the structures, a qualified vibration specialist should be consulted to advise on an appropriate vibration monitoring program to avoid or reduce impacts to structures on this property. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions. ■ No further cultural heritage studies are recommended.
CHL 21	999 Gray Road, City of Kawartha Lakes PIN: 632660230	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house clad in red brick with buff brick accents. The house has a central gable with a covered porch and bookend chimneys. A side addition is on the west elevation. The property also has a gambrel roof barn clad in vertical board siding and metal roof.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
						of the property should be fully removed and the land returned to pre-construction conditions.
CHL 22	1120 Highway 7A, City of Kawartha Lakes PIN: 632660232	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house with cross-gable roof and gable over the entrance. The house is clad in red brick with a projecting wing on the west side of the front elevation. The house has a rear addition. The property has several outbuildings including a gable roof bank barn with stone foundation and vertical board siding with metal roof.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 23	1228 Highway 7A, City of Kawartha Lakes PIN: 632660237	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is not visible from the road and is a gable roof structure with additions on the west, south, and east elevations. There are a number of 20 th century outbuildings on the property.	 (Field Review, November 2024)	No Direct Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. Therefore, no direct adverse impacts are anticipated. Potential Indirect Adverse Impacts – Isolation and Vibration A potential indirect impact has been identified where the	■ Avoidance (Isolation): The Project should be planned in a manner that ensure that the property laneway remains fully accessible and is neither restricted nor severed, preventing any risk of isolation from the roadway. This property should be noted on project drawings as a “potential heritage property” to identify the heritage status of the property to project personnel. ■ Vibration Monitoring: If towers are required within 60 m of the structures, a qualified vibration specialist should be consulted to advise on an appropriate vibration monitoring program to

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
					Proposed ROW crosses the property laneway. If a hydro tower is constructed on the laneway, it could restrict access and potentially isolate the property. Further mitigation is required. The farmstead structures, including the farmhouse and associated outbuildings fall within the 60 m Cultural Heritage Vibration Study Area of the Proposed ROW. Therefore, the farmstead structures are anticipated to be indirectly impacted by construction vibration.	avoid or reduce impacts to structures on this property. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions. ■ No further cultural heritage studies are recommended.
CHL 24	1045 Porter Road, City of Kawartha Lakes PIN: 632650297	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is not visible from the road. It has a cross-gable roof with covered porches around the elevations. The style is unknown. No Google Street View is available of the house due to the distance of the house from the road and the number of trees on the property. South of the house are rows of greenhouses and ground covers for growing crops. Agricultural outbuildings, including a 20 th century barn are located west of the greenhouses.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 25	1047 Porter Road, Graham's Cemetery, City of Kawartha Lakes PIN: 632650518	Potential CHL	A cemetery located within the property boundaries of 1045 Porter Road. A square plot with mix of burials throughout. Access from the driveway onto 1045 Porter Road. A single building is on the south border of the cemetery.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is not located within the property. However, a small portion of the south-eastern corner the cemetery is located within the 120 m buffer. However, based on a preliminary evaluation in the CHEC, the potential CHVI of CHL 25 is not anticipated to be adversely impacted by shadows or changes to the visibility of associated natural features or plantings. Additionally, no significant views were identified. Therefore, no indirect adverse impacts are anticipated for the property.	■ Avoidance: The Project should be planned in a manner that completely avoids the construction of access road or similar construction infrastructure within the boundary of the cemetery. ■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended.
CHL 26	1393 Highway 7A, city of Kawartha Lakes PIN: 632650305	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house with central gable and rear addition creating an L-shaped plan. The house is clad in vinyl siding with a covered porch. A gable roof barn clad in vertical boards and metal roof is west of the house on the property with other agricultural outbuildings.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 27	1443 Highway 7A, City of Kawartha Lakes PIN: 632650453	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-storey Italianate style house with vinyl siding and a hipped roof. A rear one-storey addition is on the house. Two projecting wings are on the east and south elevations. Three outbuildings are behind the house to the north including a 19 th or early 20 th century gable roof barn.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 28	104 Morton Line, Township of Cavan Monaghan PIN: 280020243	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The buildings on the property cannot be seen from the road and no Google Street Views are available. The house has a T-shaped plan with a central gable. There is a gable roof barn north of the house with a metal roof. There are several outbuildings, including a 20 th century house adjacent to the property driveway on Morton Line but is severed from the property.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 29	120 Morton Line, Township of Cavan Monaghan PIN: 280020250	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house with a centre gable and frame construction. The house is clad in board and batten. The house has a rear addition creating a L-shaped plan with an attached garage off the northeast corner. The house is wrapped with a covered verandah. There are three agricultural outbuildings obscured from the road with gable roofs.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 30	252 Morton Line, Township of Cavan Monaghan PIN: 280020163	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The buildings on the property are set back and are not visible from the road. Aerial imagery shows the house has a T-shaped plan with a cross-gable roof and central gable and a covered porch. A gable roof barn or driveshed is on the property with a metal roof. Three other outbuildings are on the property.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 31	404 Morton Line, Township of Cavan Monaghan PIN: 280020229	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house with a T-shaped plan and central gable. The house is constructed out of red brick. There are several agricultural buildings including a gambrel roof barn with several vents. The rest of the outbuildings are modern in design.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
BHR 3	513 Sharpe Line, Township of Cavan Monaghan PIN: 280020173	Potential BHR	The building on the property is an 19 th century one-room schoolhouse constructed out of red brick with a gable roof, cupola, and vestibule entrance. A second building on the property appears to be a driveshed or barn.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the structure is located beyond the 120 m buffer.	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 32	528 Sharpe Line, Township of Cavan Monaghan PIN: 280020170	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, a 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-storey Italianate style house with a hipped roof and rear addition to create a T-shaped plan. The house is constructed out of red brick and has a covered front porch. A 20 th century one-storey addition is on the rear of the house. The property has 20 th century agricultural buildings to the north of the house.	 (Field Review, November 2024)	No Direct Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. Therefore, no direct adverse impacts are anticipated. Potential Indirect Adverse Impacts – Vibration: The farmstead structures, including the farmhouse and associated outbuildings fall within the 60 m Cultural Heritage Vibration Study Area of the Proposed ROW. Therefore, the farmstead structures are anticipated to be indirectly impacted by construction vibration.	■ Vibration Monitoring: If towers are required within 60 m of the structures, a qualified vibration specialist should be consulted to advise on an appropriate vibration monitoring program to avoid or reduce impacts to structures on this property. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions. ■ No further cultural heritage studies are recommended.
CHL 33	568 Sharpe Line, Township of Cavan Monaghan PIN: 280020175	Listed property on Township of Cavan Monaghan Heritage Register	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style farmhouse with gable roof, central gable, covered verandah with three bay first floor façade. The house is clad in synthetic siding. The house has two additions, a rear one-storey addition and a one-storey side (west elevation) addition. A gambrel roof barn is	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
			located east of the house. The barn is clad in vertical wood boards with a metal roof and stone or concrete foundation. A 20 th century pole barn is attached to the gambrel roof barn along with a lean-to and front addition. The other farm buildings are from the 20 th century.			of the property should be fully removed and the land returned to pre-construction conditions.
CHL 34	640 Sharpe Line, Township of Cavan Monaghan PIN: 280020177	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a 20 th century Modern style house. North of the house is a gable roof barn clad in vertical barn boards with a metal roof. Views of the barn are obscured from the road by the house and cedar treelines.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 35	774 Sharpe Line, Township of Cavan Monaghan PIN: 280020178	Listed property on Township of Cavan Monaghan Heritage Register	This property is a farmstead consisting of a 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half-storey Victory style house clad in red brick with a front dormer clad in vinyl siding. The house has a one-storey rear addition. North of the house is an L-shaped gambrel roof barn with stone foundation, vertical wood board siding, and metal roof. A modern one-storey addition is located on the west elevation of the barn.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 36	820 Sharpe Line, Township of Cavan Monaghan PIN: 280020180	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-and-a-half storey Italianate style house clad in red brick with a hipped roof, central gable, and covered verandah. The house has a rear addition, extending the rectangular plan of the original house. North of the house is a L-shaped gambrel roof barn with vertical wood board siding and metal roof. Several modern agricultural buildings including metal silos, Quonset hut, and driveshed are also on the property. Views from the road are obscured by mature trees around the farmstead. The property has potential design	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
			value due to the Italianate style house and gambrel Ontario style barn.			
CHL 37	872 Sharpe Line, Township of Cavan Monaghan PIN: 280020293	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a late 19 th century or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is one-and-a-half storey tall structure. Due to its set back from the road, it is unknown if the house retains an Ontario architectural style. The house has a cross-hipped roof with the front entrance on the east elevation. The house is clad in vinyl or synthetic siding. A gable roof addition on the north elevation includes a garage. A gable roof driveshed or barn is located north of the house with wood siding and metal roof along with a modern barn and metal silo.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 38	1910 County Road 10, Township of Cavan Monaghan PIN: 280020270	Listed property on Township of Cavan Monaghan Heritage Register	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-storey structure with a gable roof and covered porch containing Georgian design elements. Views of the house are obscured by mature trees around the structure. The house is clad in wood board and batten siding with symmetrical facades. A one-and-a-half storey rear addition is on the house. A gambrel roof barn is southwest	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
			of the house with concrete foundation, vertical wood boards and metal roof.			removed and the land returned to pre-construction conditions.
CHL 39	2111 County Road 10, Township of Cavan Monaghan PIN: 280020250	Listed property on Township of Cavan Monaghan Heritage Register	This property is a farmstead consisting of a 19 th century farmhouse, a late 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house. The house has a T-shaped plan with an asymmetrical front façade with projecting wing and gable over the front entrance. A covered verandah wraps around the house. A one-storey rear addition is also on the house. The house is clad in red brick with a metal roof. The property has several outbuildings including a gambrel roof barn clad in vertical wood boards, a gable roof driveshed clad in vertical wood boards, and modern agricultural buildings.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 40	1132 Stewart Line, Township of Cavan Monaghan PIN: 280000287	Potential CHL	This property is a farmstead consisting of an early 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-and-a-half storey Edwardian style house. The house has a Dutch hipped roof with a gable end on the front elevation. A one-storey addition wraps around the west and south elevations. A covered porch is on the front elevation. The house is clad in red brick with the gable end clad in wood or vinyl. A gambrel roof barn with stone foundation, vertical wood board, and metal roof is west of the house. It has two 20 th century additions on the north elevation. A 20 th century driveshed is north of the barn.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 41	1212 Stewart Line, Township of Cavan Monaghan PIN: 280000516	Listed property on Township of Cavan Monaghan Heritage Register	This property is a farmstead consisting of a 20 th century farmhouse, 20 th century outbuildings, and agricultural landscape features. The house on the property is a two-storey four-square style house. The house has a stone foundation and is clad in red brick. The house has a hipped roof, and the original section of the house has a square plan. A one-and-a-half storey addition off east elevation creates an L-shape plan to the house. The addition is clad in wood boards with a cross-gable roof. The addition now operates as the main entrance to the house. Two 20 th century	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
			outbuildings are east of the house.			
CHL 42	1297 Hooton Drive, Township of Cavan Monaghan PIN: 280000509	Listed property on Township of Cavan Monaghan Heritage Register	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Gothic Revival style house in a T-shape plan. The house has a cross-gable roof with a central gable. The house is built with red brick with buff brick accents. The rear addition has two sets of gables on the east and west elevations. Two outbuildings are south of the house. One outbuilding is a two-storey gambrel roof barn clad in sheet metal, while the other is a 20 th century driveshed.	 (Google Street View, June 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 43	2088 Howden Quarter Line, Township of Cavan Monaghan PIN: 280000292	Listed property on Township of Cavan Monaghan Heritage Register	This property is a farmstead consisting of a 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a one-and-a-half storey Bungalow style house. The house has a gable roof with dormer over the front elevation. The house is clad in red brick with vinyl siding on the dormer. The property has several agricultural outbuildings including a gable roof barn and gambrel roof driveshed. The driveshed is clad in vertical wood board with metal roof. The barn is clad in metal siding and metal roof.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 44	2274 Howden Quarter Line, Township of Cavan Monaghan PIN: 280000377	Potential CHL	This property is a farmstead consisting of an early 20 th century farmhouse, a late 19 th century or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-storey Edwardian style house. The house is clad in red brick in a L-shape plan. The house has a cross-gable roof with gables along the front elevation. A covered porch wraps around the front and south elevation with a gable corner and gable over the entrance. A gambrel roof barn is west of the house with a concrete or stone foundation, vertical wood boards, and metal roof. A driveshed is located between the house and barn.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is not within the property. The farmstead structures fall within the 120 m buffer but beyond the 60 m Cultural Heritage Vibration Study Area and are not anticipated to be indirectly impacted by construction vibration. Therefore, no direct or indirect adverse impacts are anticipated.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
BHR 4	2287 Howden Quarter Line, Township of Cavan Monaghan PIN: 280000381	Potential BHR	The house on the property is a two-storey Italianate style house in a L-shape plan. The house has a cross-hipped roof and is clad in red brick. The entrance to the house has a gabled portico. A one-storey rear addition is off the north elevation.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

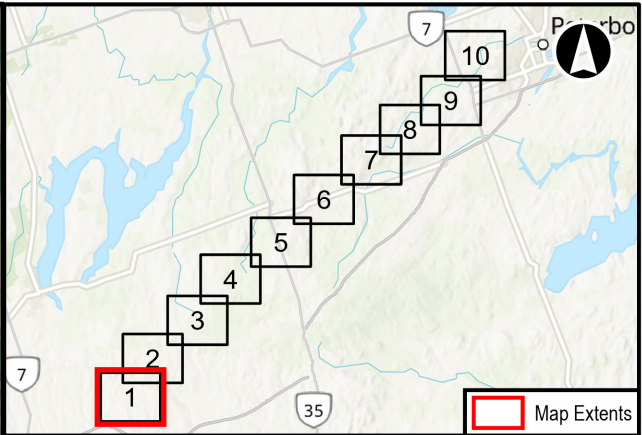
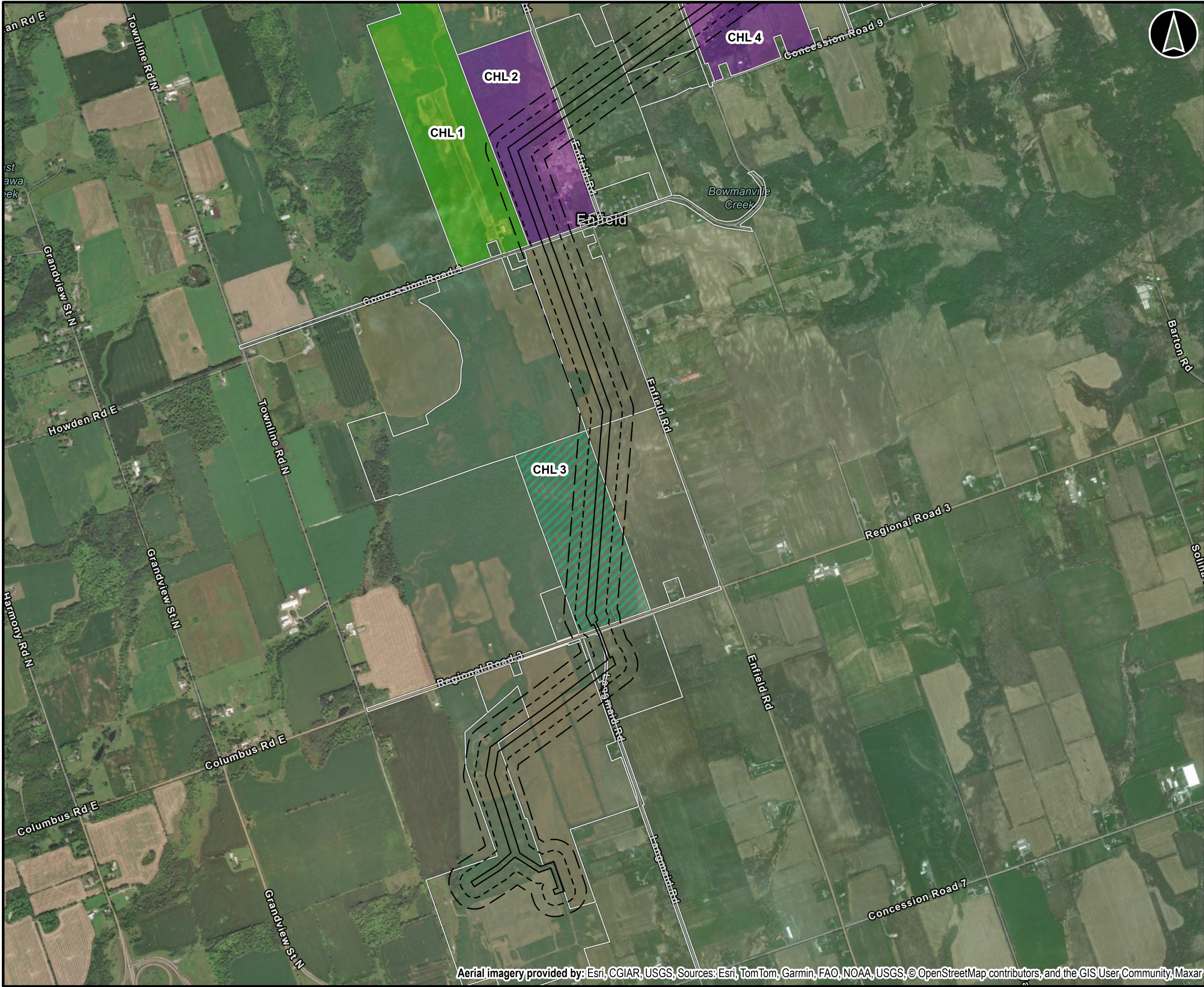
Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 45	1438 Hooton Drive, Township of Cavan Monaghan PIN: 280000382	Listed property on Township of Cavan Monaghan Heritage Register	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-storey Georgian style house. The house has a one-storey rear addition that includes a garage. The main section of the house is a square plan with hipped roof and a wrap-around verandah. The house has a symmetrical three-bay façade with a gable over the centre bay and entrance. A gable roof barn with stone foundation, vertical wood board siding, and metal roof is east of the house. A cantilevered barn is perpendicular to the gable roof barn and also has vertical wood board siding and metal roof. Other outbuildings on the property were constructed in the 20 th century.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. The farmstead structures fall within the 120 m buffer but beyond the 60 m Cultural Heritage Vibration Study Area and are not anticipated to be indirectly impacted by construction vibration. Therefore, no direct adverse impacts are anticipated.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 46	1562 Hooton Drive, Township of Cavan Monaghan PIN: 280000387	Listed property on Township of Cavan Monaghan Heritage Register	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-storey Georgian style house. The house has a square plan with hipped roof and covered front porch. The front façade is a symmetrical three-bay with central entrance. A gambrel roof barn is located north of the house with vertical wood board siding and metal roof.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
						removed and the land returned to pre-construction conditions.
BHR 5	1657 Mount Pleasant Road, Township of Cavan Monaghan PIN: 280000470	Listed property on Township of Cavan Monaghan Heritage Register	The house on the property is a two-storey four-square Ontario style house. It has a L-shaped plan with cross-hipped roof. It is clad in horizontal wood or vinyl siding. A one-storey addition is located on the east elevation. The front façade has a three-bay first storey and two-bay second storey with central entrance. The property has four outbuildings that are all clad in metal and are 20 th century constructions.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, it will not intersect the farm structures. The farmstead structures fall within the 120 m buffer but beyond the 60 m Cultural Heritage Vibration Study Area and are not anticipated to be indirectly impacted by construction vibration. Therefore, no direct or indirect adverse impacts are anticipated.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 47	1660 Mount Pleasant Road, Township of Cavan Monaghan PIN: 280000423	Potential CHL	This property is a farmstead consisting of a 19 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property is a two-storey Colonial Revival style house. The house has a gable roof with book end chimneys and is clad in red brick. The front elevation is a symmetrical five-bay façade with a portico and columns the height of the elevation. The central font entrance has a sunburst transom and sidelights. The house has a side one-storey side addition. A gable roof barn is located west of the house but is obscured from	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
			view by mature trees on the property.			
BHR 6	1710 Mount Pleasant Road, Peterborough Speedway, Township of Cavan Monaghan PIN: 280000424	Potential BHR	The property consists of a motorcar racetrack in an 1/3-mile oval. The racing pits are located inside the oval. Stands for viewing races are south of the track. Paved parking is located south of the stands, as are several buildings housing administration and concessions.	 (Field Review, November 2024)	No Direct Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is located within the property, it will not intersect with the farmstead structures. Therefore, no direct adverse impacts are anticipated. Potential Indirect Adverse Impacts – Isolation: A potential indirect impact has been identified where the Proposed ROW crosses the property laneway. If a hydro tower is constructed on the laneway, it could restrict access and potentially isolate the property.	■ Avoidance (Isolation): The Project should be planned in a manner that ensure that the property laneway remains fully accessible and is neither restricted nor severed, preventing any risk of isolation from the roadway. This property should be noted on project drawings as a “potential heritage property” to identify the heritage status of the property to project personnel. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from racing infrastructure to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions. ■ No further cultural heritage studies are recommended.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 48	2650 Sherbrooke Street West, Township of Cavan Monaghan PIN: 280370175	Potential CHL	This property is a farmstead consisting of a 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. The house on the property consists of a one-and-a-half storey house with Victory style design influences. The house has a cement foundation and is clad in horizontal vinyl siding. The roof is gabled with a central dormer over the front entrance. A gambrel roof barn is located northeast of the farmhouse with a stone foundation, vertical wood board siding, and a metal roof. A pole barn in metal siding is north of the barn.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
CHL 49	2474 Sherbrooke Street West, Township of Cavan Monaghan PIN: 280370101	Potential CHL	This property is a farmstead consisting of a 19 th or early 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. Views of the structures from the road are not possible. Aerial imagery shows the house on the property has a gable roof with three dormers or gables on the front elevation. Two additions are on either side of the house. A gambrel roof barn with lean-to additions on each side is northeast of the house. Other outbuildings including a garage and driveshed are 20 th century additions to the property.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	■ Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. ■ No further cultural heritage studies are recommended. ■ Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.

Feature IDs	Location/Address/PIN	Heritage Designation	Description	Photograph	Assessment of Impacts	Recommendations
CHL 50	2342 Sherbrooke Street West, Township of Cavan Monaghan PIN: 280370095	Potential CHL	This property is a farmstead consisting of a late 19 th or early 20 th century farmhouse, a 19 th or early 20 th century barn, outbuildings, and agricultural landscape features. Views of the structures from the road are not possible. Aerial imagery shows the house is a gable roof structure with a central gable. A rear addition has a hipped roof, creating a cross-roof structure. Several outbuildings are on the property and appear to be 20 th century construction.	 (Field Review, November 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.
BHR 7	1660 Parkhill Road West, Township of Selwyn PIN: 284170155	Potential BHR	The property contains a gable roof barn with stone foundation, vertical wood board siding, and metal roof. A modern gambrel roof outbuilding of concrete block and wood siding is also on the property. The farmhouse that was on the property is no longer extant.	 (Google Street View, June 2024)	No Direct or Indirect Adverse Impacts: The Proposed ROW is within the property and an access road and hydro towers may be installed in this location. Exact locations of access roads and hydro towers will be determined during detailed design. While the Proposed ROW is within the property, no direct or indirect adverse impacts are anticipated as the farmstead structures and potential landscape features are located beyond the 120 m buffer.	- Continue to avoid direct and indirect adverse impacts to the potential heritage attributes of the property. - No further cultural heritage studies are recommended. Post-Construction Restoration: Construction access roads should be designed to maximize the distance from farmstead structures to prevent accidental adverse impacts. Any access roads built on active agricultural fields or that disrupt the function of the property should be fully removed and the land returned to pre-construction conditions.



- Legend
- Proposed Right of Way
 - Cultural Heritage Vibration Study Area - 60m
 - Project Study Area - 120m
 - Direct Impacts Anticipated
 - Indirect Impacts Anticipated: Isolation
 - Indirect Impacts Anticipated: Vibrations
 - Post-Construction Restoration Mitigation
 - No Impacts Anticipated
 - Parcel Boundary

BHR - Built Heritage Resource
CHL - Cultural Heritage Landscape

HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area

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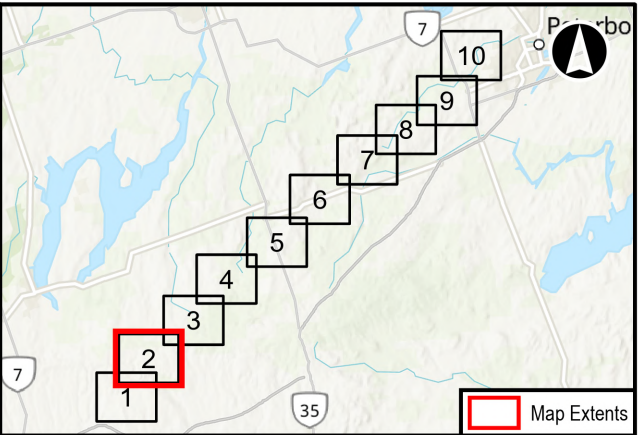
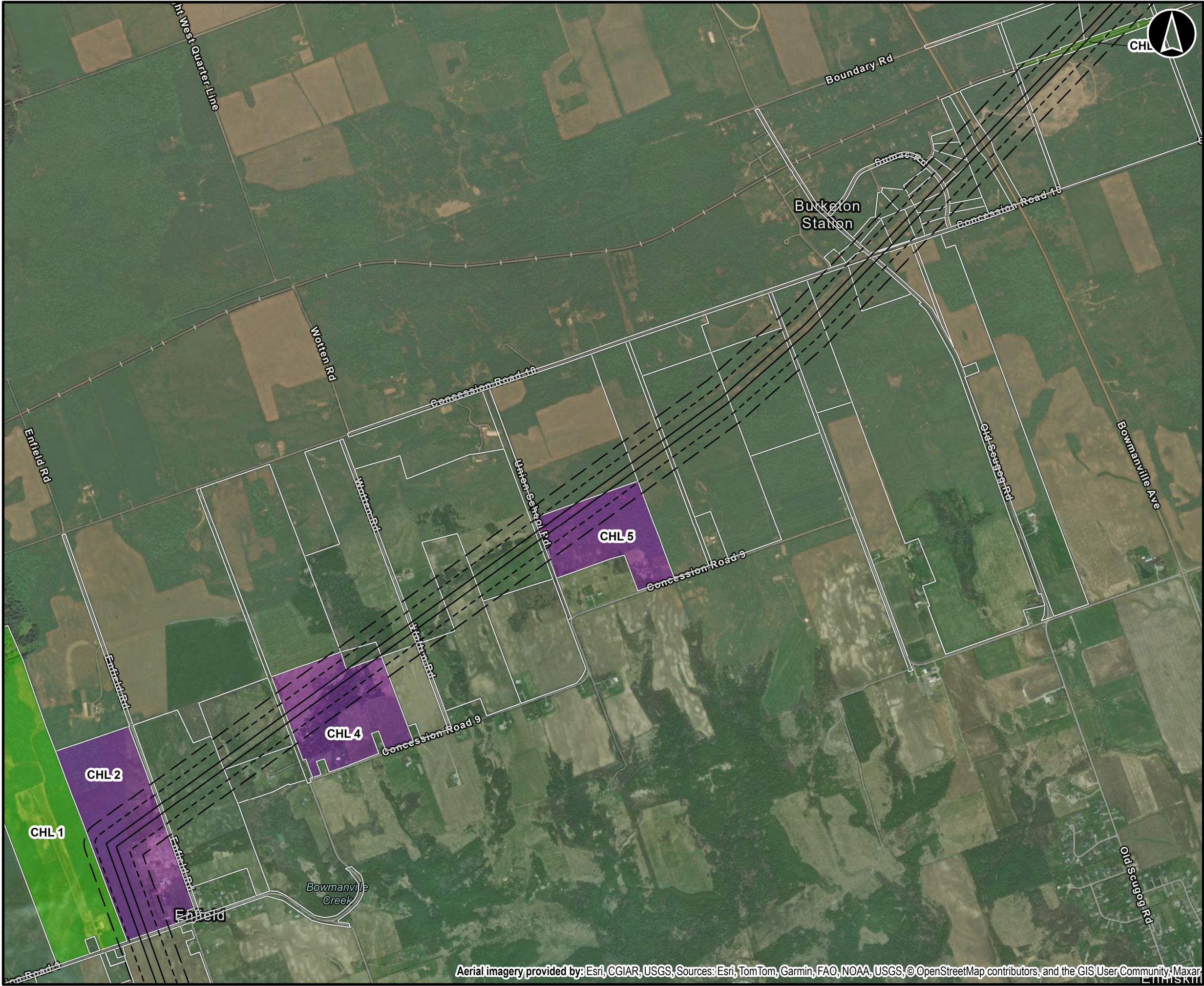
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Figure 2-1

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- Legend
- Proposed Right of Way
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 - Project Study Area - 120m
 - Direct Impacts Anticipated
 - Indirect Impacts Anticipated: Isolation
 - Indirect Impacts Anticipated: Vibrations
 - Post-Construction Restoration Mitigation
 - No Impacts Anticipated
 - Parcel Boundary

BHR - Built Heritage Resource
CHL - Cultural Heritage Landscape

HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area



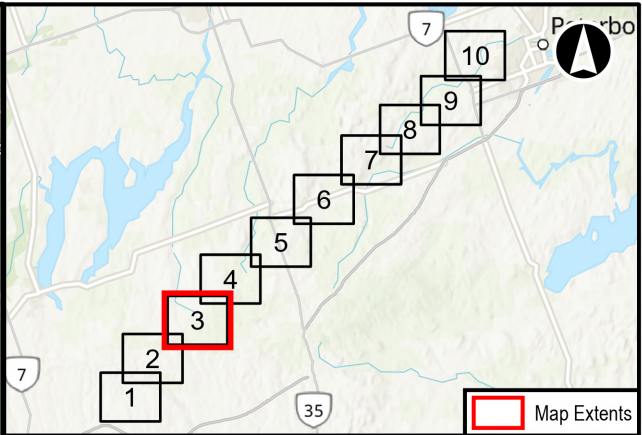
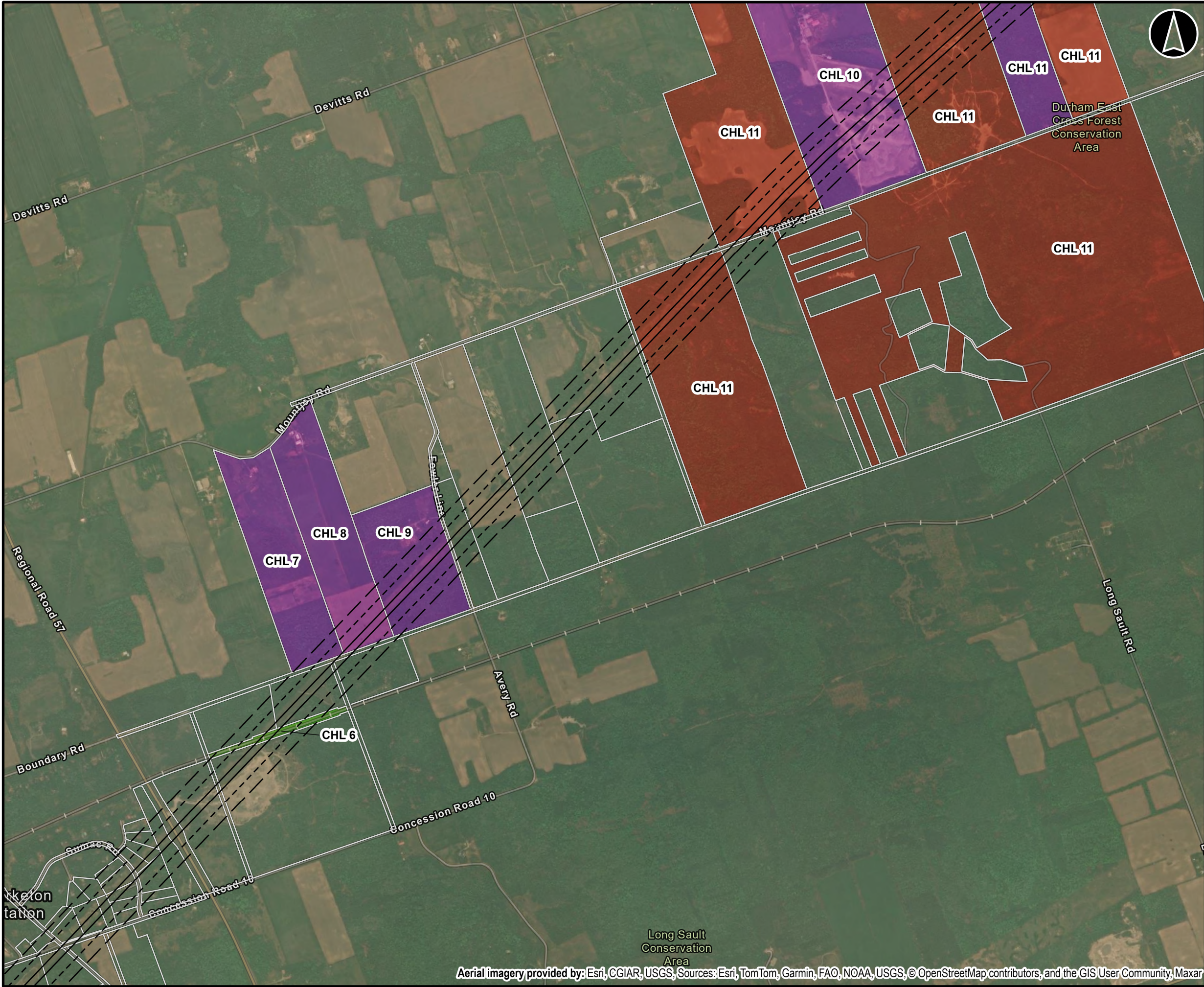
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AECOM	Figure 2-2
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 - Direct Impacts Anticipated
 - Indirect Impacts Anticipated: Isolation
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 - Post-Construction Restoration Mitigation
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BHR - Built Heritage Resource
CHL - Cultural Heritage Landscape

HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area

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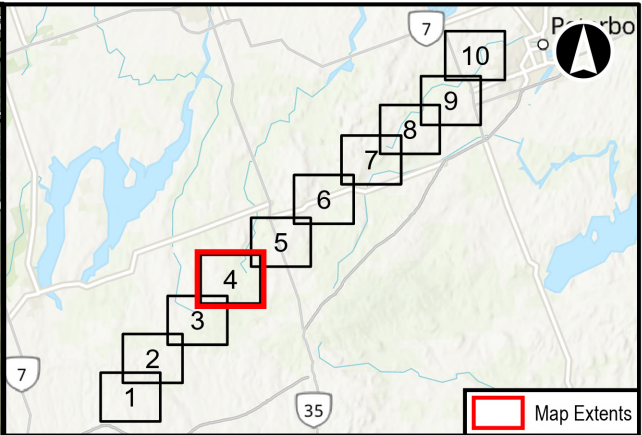
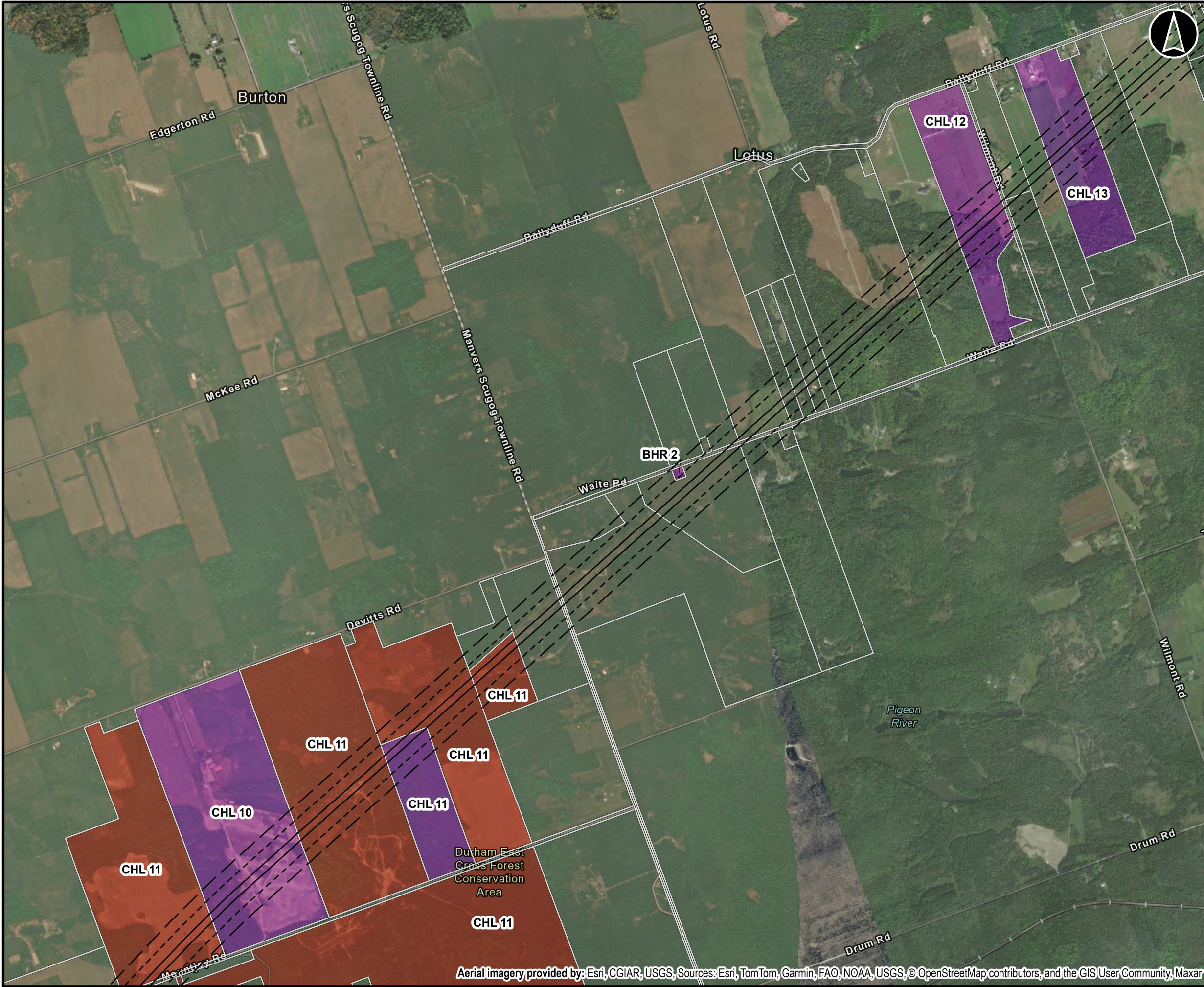
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Figure 2-3

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- Proposed Right of Way
 - Cultural Heritage Vibration Study Area - 60m
 - Project Study Area - 120m
 - Direct Impacts Anticipated
 - Indirect Impacts Anticipated: Isolation
 - Indirect Impacts Anticipated: Vibrations
 - Post-Construction Restoration Mitigation
 - No Impacts Anticipated
 - Parcel Boundary

BHR - Built Heritage Resource
CHL - Cultural Heritage Landscape

HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area



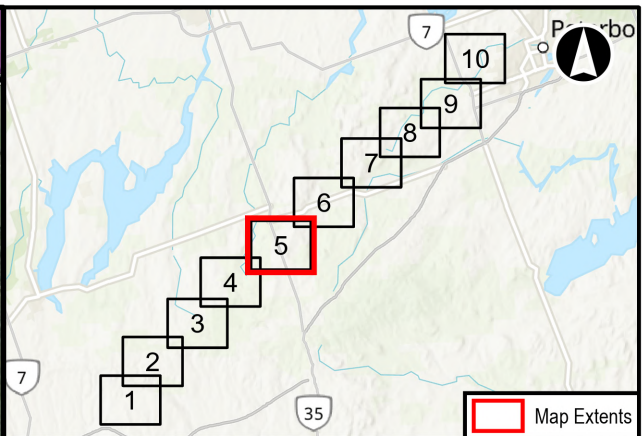
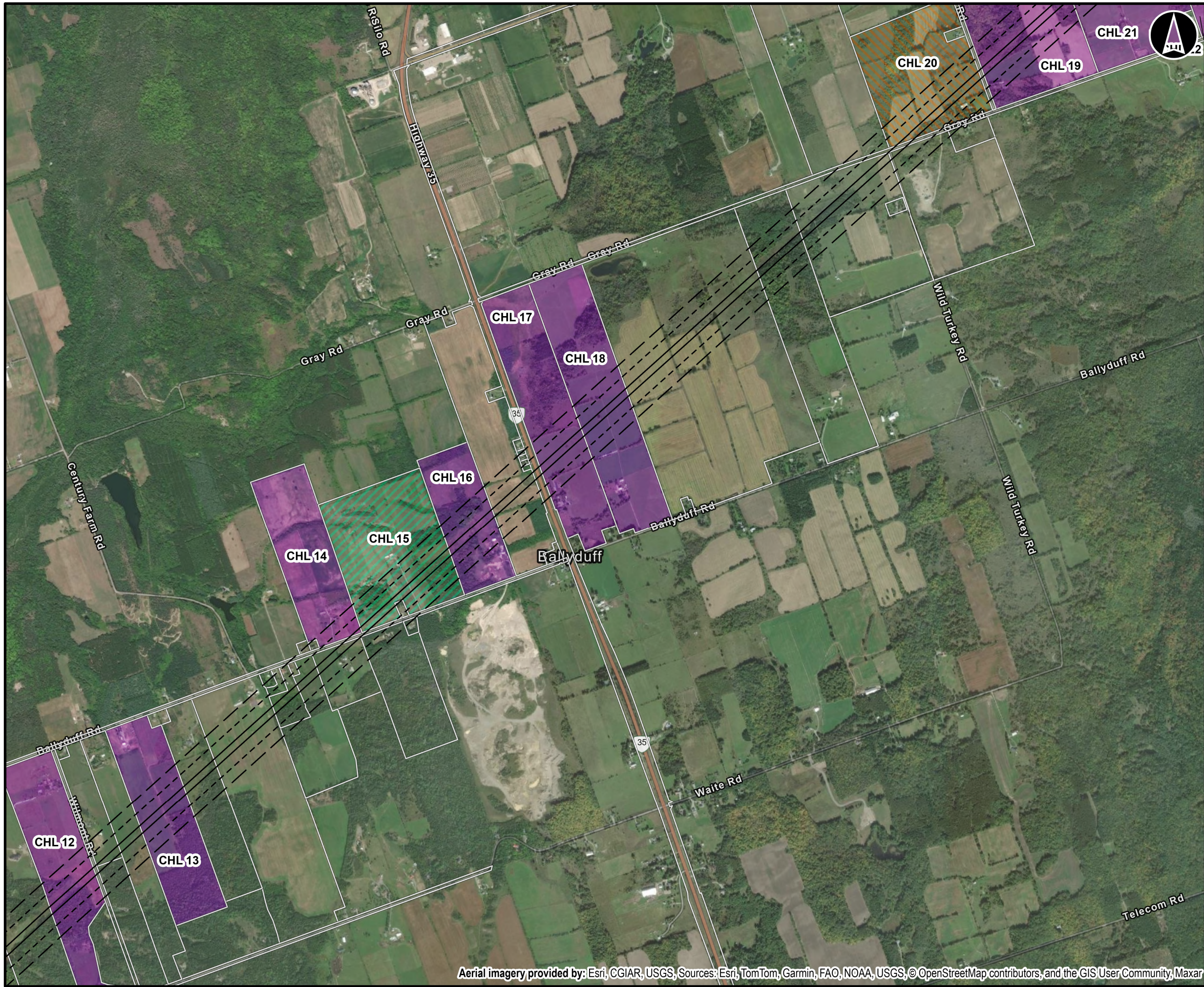
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AECOM	Figure 2-4
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 - Project Study Area - 120m
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 - Indirect Impacts Anticipated: Isolation
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BHR - Built Heritage Resource
CHL - Cultural Heritage Landscape

HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area



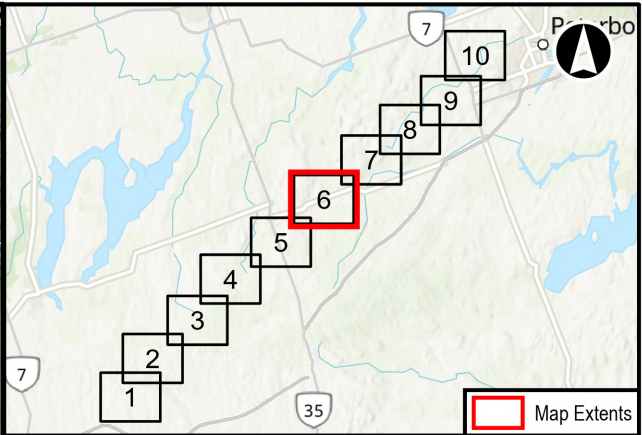
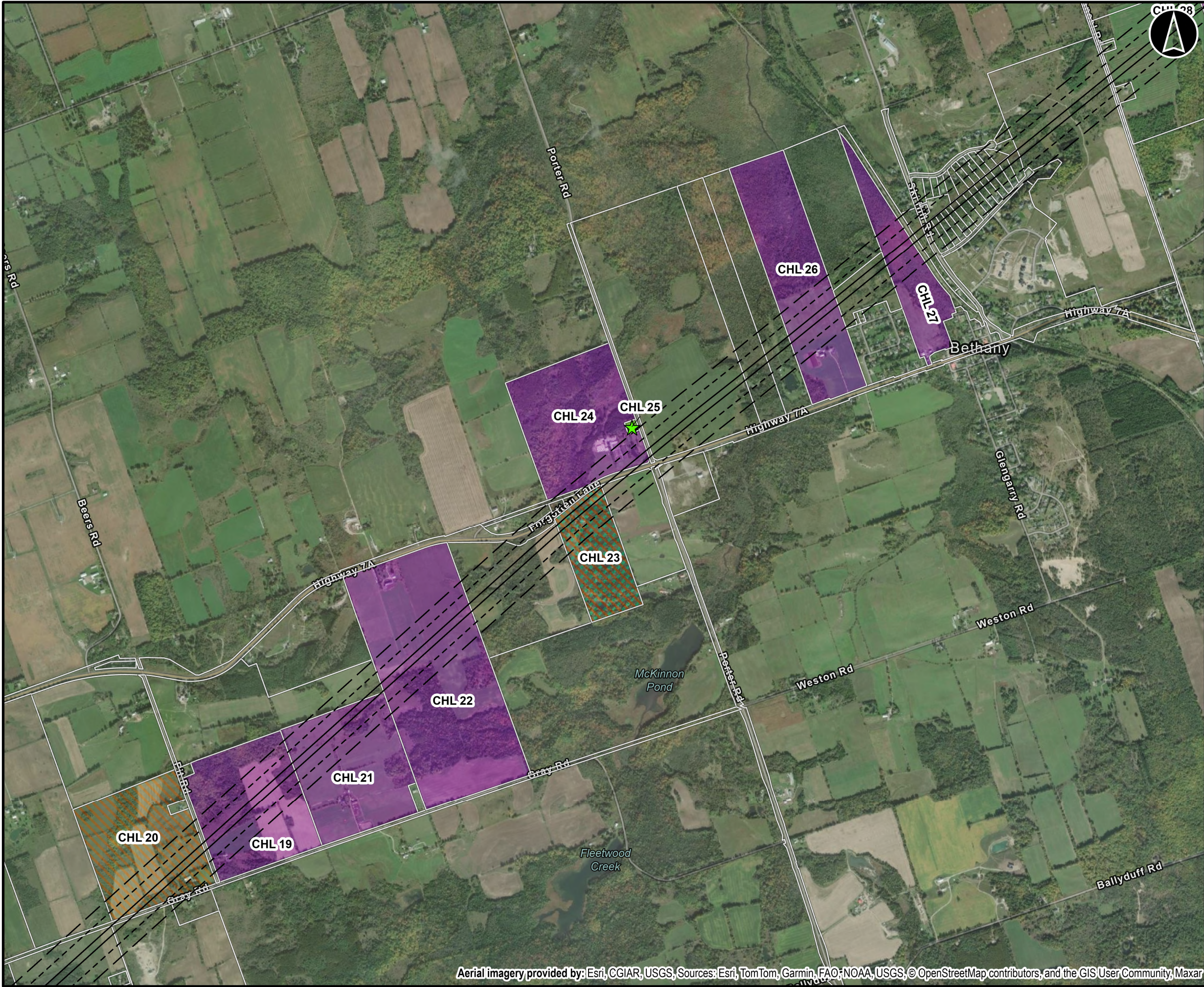
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 - Project Study Area - 120m
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BHR - Built Heritage Resource
CHL - Cultural Heritage Landscape

HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area



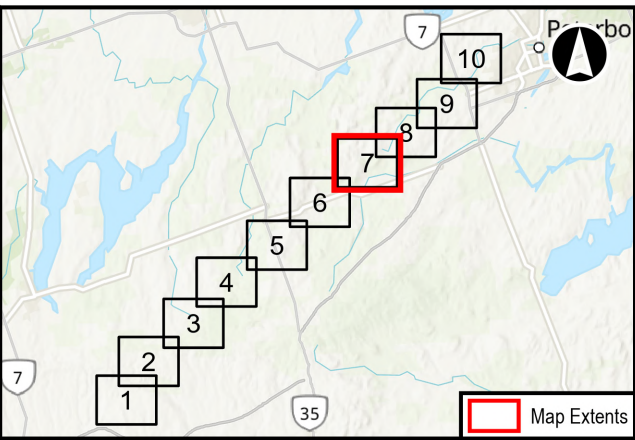
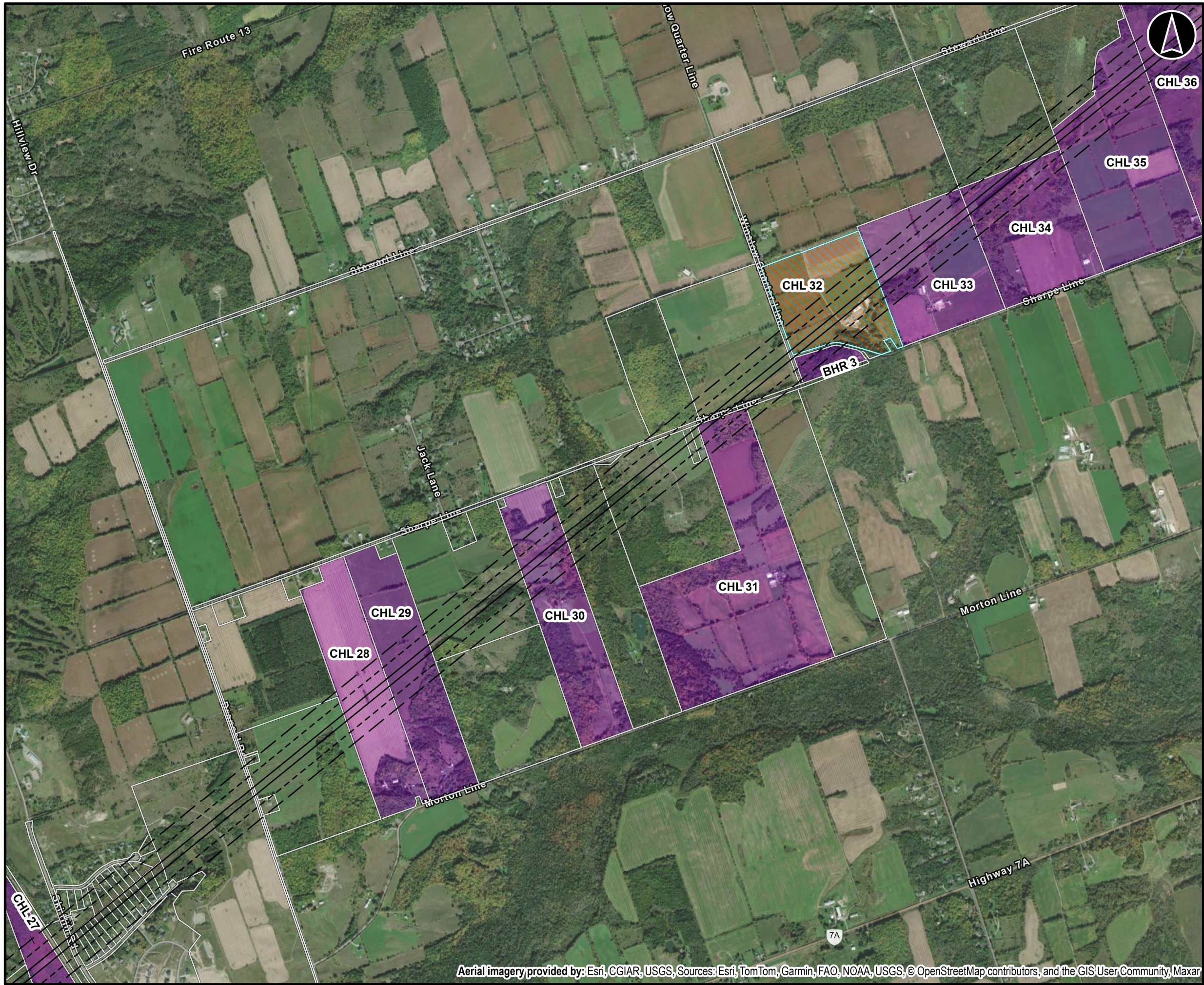
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AECOM Figure 2-6

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- Legend
- Proposed Right of Way
 - Cultural Heritage Vibration Study Area - 60m
 - Project Study Area - 120m
 - Direct Impacts Anticipated
 - Indirect Impacts Anticipated: Isolation
 - Indirect Impacts Anticipated: Vibrations
 - Post-Construction Restoration Mitigation
 - No Impacts Anticipated
 - Parcel Boundary

BHR - Built Heritage Resource
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HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area

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Data Sources:
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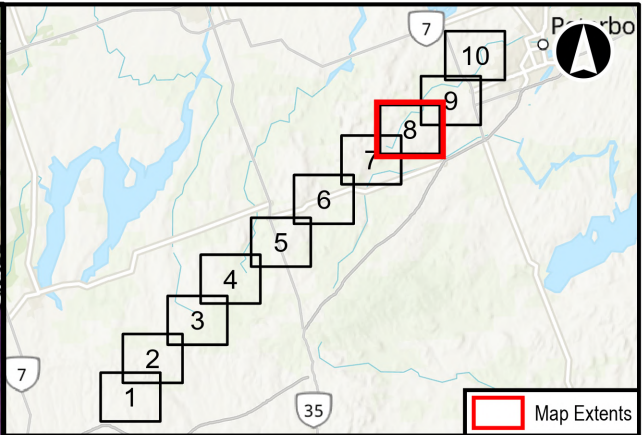
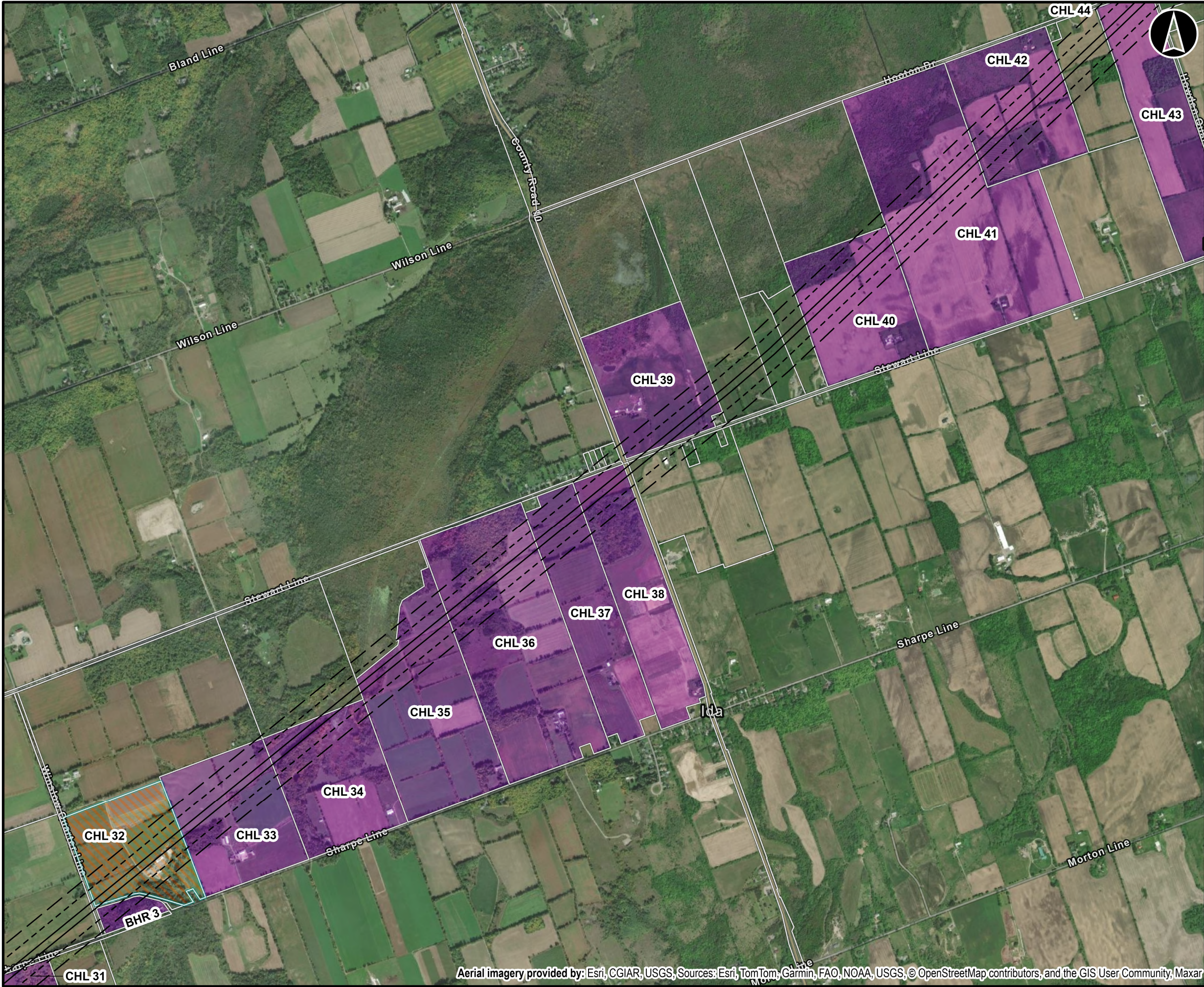
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Figure 2-7

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HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area

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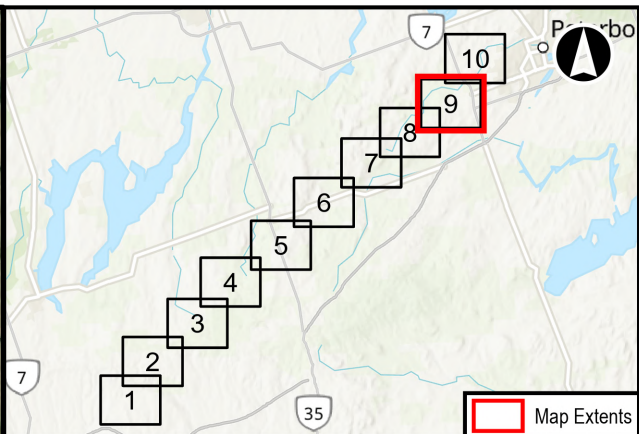
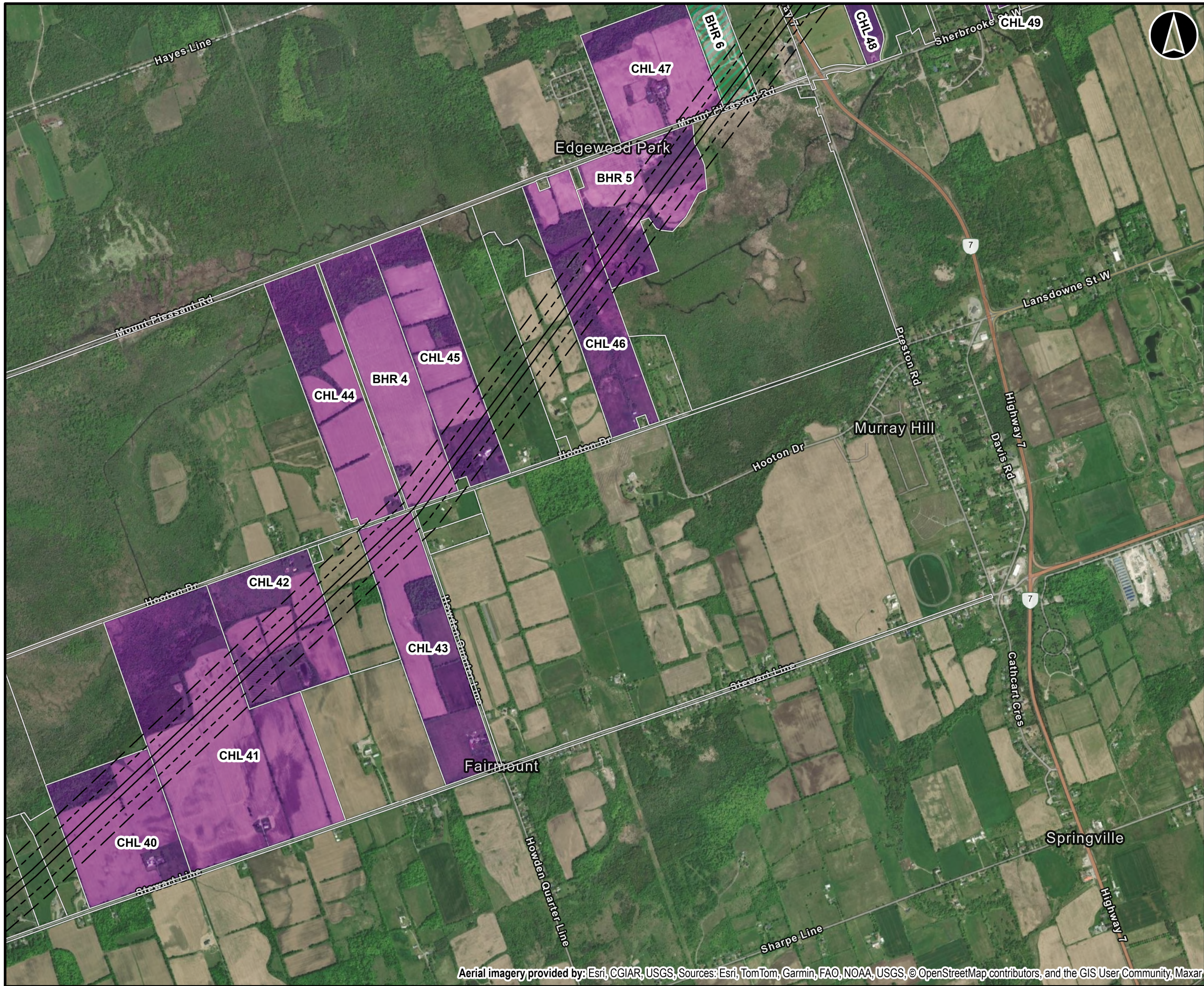
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Figure 2-8

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HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area

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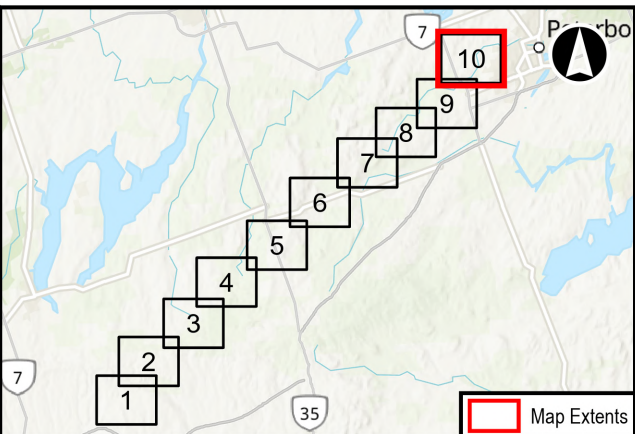
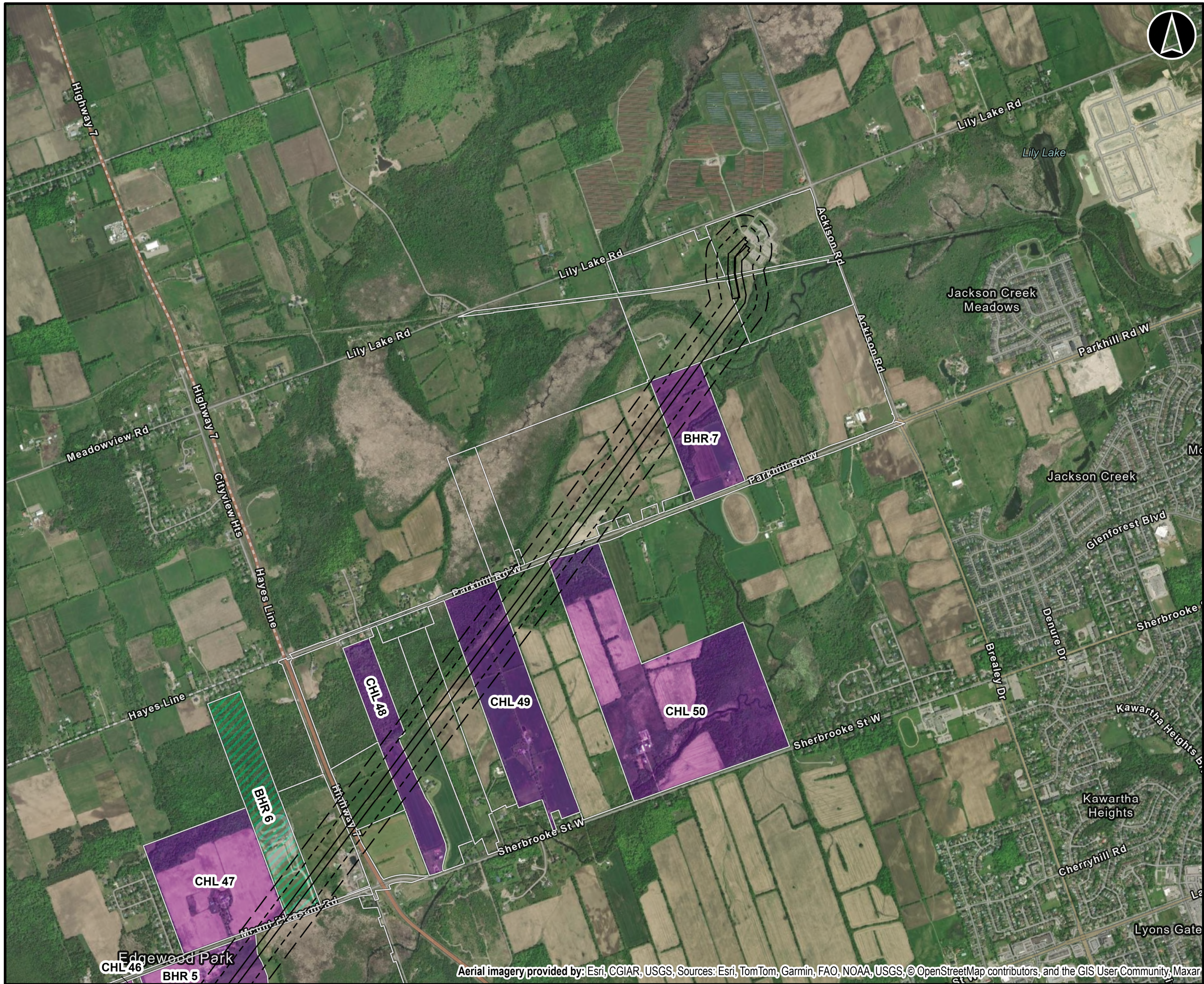
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Figure 2-9

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HONI Durham Kawartha Power Line

Map of Known and Potential Built Heritage Resources and Cultural Heritage Landscapes within the Project Study Area

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Figure 2-10

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5. Summary Statement

In September 2024, Hydro One Networks Inc. retained AECOM Canada ULC to provide a CHEC to support the Class EA for Transmission Facilities for the Project. The Project involves a new 53 km double-circuit 230-kV transmission line between the Clarington TS to Dobbin TS near Peterborough. The proposed transmission line will be constructed primarily within an existing Hydro One transmission corridor, requiring new easement rights. The Project includes the removal of existing transmission line components and work at the terminal stations to facilitate connections. Additionally, two route alternatives (Route Option A and Route Option B) have been identified for an approximately 3 km long section of the Project near the Clarington TS. AECOM completed the CHEC study for the Project, including both route alternatives, in March 2025 (AECOM, 2025), which identified fifty-nine (59) known and potential BHRs and CHLs within the PSA.

In spring 2025, Hydro One retained AECOM to complete a PIA for the preferred alternative, Route Option B, including all properties within the 120 m buffer on either side of the proposed centreline of the Preferred Route. The Study Area includes fifty-six (56) known and potential BHRs and CHLs, including forty-six (46) with potential CHVI and ten (10) cultural heritage resources listed on Municipal Heritage Registers.

This PIA determined that one (1) CHL has the potential to be directly impacted with no direct adverse impacts to cultural heritage value of the resource, four (4) CHLs have the potential to be indirectly impacted by construction vibration, three (3) BHRs and CHLs have the potential to be indirectly impacted by isolation, and thirty-eight (38) BHRs and CHLs have the potential to require post-construction restoration to mitigate potential impacts. No impacts are anticipated to three (3) BHRs and CHLs. AECOM recommends the following:

- As a result of the proposed work there are potential direct impacts to one (1) CHL. The Project is anticipated to directly impact CHL 11, the Durham East Cross Forest Conservation Area that includes an OHT Heritage Conservation Easement over one parcel known as the Happe Property. While the proposed work will result in changes to the landscape/natural features, this has not been identified as an adverse impact to the property's cultural heritage value. As such, although direct impacts are anticipated, they are not considered adverse, and no direct adverse impacts to cultural heritage value are anticipated. No further cultural heritage studies are recommended.
- As a result of the proposed work there are potential indirect impacts to four (4) CHLs in the form of construction vibration. If a final tower location confirms that buildings on these properties are within 60 m of a tower, a qualified vibration specialist should be consulted to advise on an appropriate vibration monitoring program to avoid or reduce impacts to structures on these properties. The properties that have the potential to be indirectly impacted by construction vibration include:
 - CHL 3: 1570 Regional Road 3, Municipality of Clarington
 - CHL 20: 905 Gray Road, City of Kawartha Lakes
 - CHL 23: 1228 Highway 7A, City of Kawartha Lakes
 - CHL 32: 528 Sharpe Line, Township of Cavan Monaghan;

- As a result of the proposed work there are potential indirect impacts to three (3) BHRs and CHLs in the form of isolation. To prevent this, the Project should be planned to avoid both the heritage properties and their laneways, ensuring they remain connected to roadways. The properties that have the potential to be indirectly impacted by isolation include:
 - CHL 15: 525 Ballyduff Road, City of Kawartha Lakes
 - CHL 23: 1228 Highway 7A, City of Kawartha Lakes
 - BHR 6: 1710 Mount Pleasant Road, Peterborough Speedway, Township of Cavan Monaghan;
- There are thirty eight (38) BHRs and CHLs within the existing hydro corridor, within which the Project will be built. While construction activities (e.g. access) will constitute potential impacts, post-construction restoration, including the removal of all construction activity, will return the land to pre-construction (agricultural or natural) use;
- No impacts are anticipated to three (3) BHRs and CHLs and no further cultural heritage assessment or mitigation measures are recommended; and
- Any changes to the Proposed ROW, including the alignment or if additional staging or laydown areas are added beyond the existing PSA, then the proposed work must be reviewed by a qualified Cultural Heritage Specialist to confirm the anticipated impacts and confirm any new preliminary impacts to BHRs and CHLs identified in the CHEC or the Preliminary HIA. Where possible, laydown areas should be located within previously disturbed or developed areas to minimize the potential for heritage impacts. All laydown areas will be restored to pre-construction conditions following completion of the Project.

6. References

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