

Ministry of Tourism Culture and Sport  
Confirmation Letter  
April 12, 2013



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and Sport**

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April 12, 2013 (by email only)

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|                               |                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project:</b>               | <b>Niagara Region Wind Farm</b>                                                                                                                        |
| <b>Feed-in Tariff Number:</b> | <b>FIT-FLKZ509</b>                                                                                                                                     |
| <b>Report Title:</b>          | <b>Heritage Assessment</b>                                                                                                                             |
| <b>Applicant:</b>             | <b>Niagara Region Wind Corporation</b>                                                                                                                 |
| <b>Location:</b>              | <b>Townships of West Lincoln and Wainfleet and Town of Lincoln<br/>in the Regional Municipality of Niagara, and portions of<br/>Haldimand Country.</b> |
| <b>MTCS File No.:</b>         | <b>00EA080</b>                                                                                                                                         |

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Dear Paige Glenen:

This office has reviewed the above-mentioned report (the "Report"), which has been submitted to this ministry as required under O. Reg. 359/09, as amended (Renewable Energy Approvals under the *Environmental Protection Act*) (the "REA regulation"). This letter constitutes the Ministry of Tourism, Culture and Sport (the "Ministry") comments for the purposes of section 23(3)(a) of the REA regulation regarding the heritage assessment undertaken for the above project.

The Report recommends the following:

## **8.0 Recommendations**

Potential negative impacts identified for the 52 cultural heritage resources (listed in Table 19) are generally of three types:

- Indirect impacts resulting from construction vibrations of the potential installation of new infrastructure (*i.e.*, access roads, collector lines) in close proximity to structures;
- Direct impacts related to the damage or removal of heritage attributes (*i.e.*, built components such as fencing, or cultivated plants or trees) resulting from the construction of new Project infrastructure; and
- Visual impacts with respect to views from public spaces.

In order to lessen or avoid potential indirect negative impacts from construction vibrations, the following recommendations have been made:

- In the event that new Project infrastructure is constructed in the vicinity of identified CHRs, it is recommended that construction be avoided within 50 m of any structures associated with these cultural heritage resources.
- If construction within a 50 m bufferzone cannot be avoided, maximum acceptable vibration levels, or peak particle velocity (PPV) levels, should be determined by a qualified engineer with previous experience with built heritage in similar circumstances. Construction within the 50 m bufferzone should be monitored to ensure that PPV levels are not exceeded. All construction activities should cease, should levels be exceeded.
- It is further recommended that the final Project Description Report document which option was chosen to mitigate the potential impact of construction vibrations, a description of how the recommendation will be implemented, and a discussion of the Project factors that determined that decision.

As a general recommendation, roads travelling through cultural heritage landscapes in the communities of Smithville, St. Ann's, Bismark, Elcho, Wellandport, and Stromness should be avoided to the greatest extent practicable when transporting heavy machinery and turbine components to the Project location in order to minimize the potential for accidental or indirect damage to the high concentration of narrowly setback cultural heritage resources and landscapes within those communities.

In order to lessen or avoid potential direct negative impacts resulting from the removal or alteration of the heritage attributes of identified cultural heritage landscapes, the following recommendations have been made:

- removal of or damage to identified heritage attributes (*i.e.*, root systems and above ground vegetation of cultivated plant, canal infrastructure, landscape features and built components of rail landscapes) should be avoided to the greatest extent practicable.
- Where damage or removal is unavoidable, plantings and built features should be restored to their pre-construction state immediately following the completion of Project activities.

In order to minimise the potential visual impact of the Project on views from the Elcho United Church Cemetery (CHR-49), it is recommended that the proponent work with the Elcho Cemetery Board to design and install an appropriate visual barrier around the cemetery to protect views from within the cemetery (*e.g.*, fencing, shrubbery or trees).

In order to avoid direct impacts on views of the West Lincoln McCaffrey Cemetery (CHR-14), it is recommended that any overhead transmission infrastructure installed along Port Davidson Road in the vicinity of the cemetery be installed along the eastern side of the road.

Based on the information contained in the Report, the Ministry is satisfied that the heritage assessment process and reporting are consistent with the applicable heritage assessment requirements established in s. 23 of O. Reg. 359/09. Please note that the Ministry makes no representation or warranty as to the completeness, accuracy or quality of the heritage assessment report (please see Note 1).

This letter does not waive any requirements under the *Ontario Heritage Act*.



This letter does not constitute approval of the renewable energy project. Approvals or licences for the project may be required under other statutes and regulations. Please ensure that you obtain all required approvals and/or licences.

Please ensure that the proponent is aware that, if new information or substantive project changes arise after issuance of this letter, the applicant should discuss them with you to determine if any additional assessment or reporting is required. If additional reporting or revisions are required, they should be submitted to the Ministry for review. Upon completion of that review, the Ministry will determine if any revisions to the content of this letter are required.

Should you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Joseph Muller  
Heritage Planner  
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Joseph.Muller@Ontario.ca

cc. Darren Croghan, Project Manager  
Niagara Region Wind Corporation

Doris Dumais, Director  
Environmental Approvals Access & Service Integration Branch, Ministry of the Environment

Ian Parrott, Director (A)  
Environmental Approvals Branch, Ministry of the Environment

Chris Schiller, Manager  
Culture Services Unit, Ministry of Tourism, Culture and Sport

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Note 1: In no way will the Ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional heritage resources are identified or the Report is otherwise found to be inaccurate, incomplete, misleading or fraudulent.



# Heritage Assessment





**Stantec**

**FINAL REPORT**  
**Heritage Assessment, Niagara**  
**Region Wind Farm**

*Prepared for:*

**Niagara Region Wind Corporation**  
277 Lakeshore Road East, Suite 211  
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*Prepared by:*

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November 29 2012

Revised March 4, 2013

Revision 2 April 5, 2013

Revision 3 April 12, 2013

FIT-FLKZ509

Project No.: 160950269



## EXECUTIVE SUMMARY

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Niagara Region Wind Corporation (NRWC) is proposing to develop, construct, and operate the 230 megawatt (MW) Niagara Region Wind Farm (the Project) in response to the Government of Ontario's initiative to promote the development of renewable electricity in the province. The Farm is located in Southern Ontario within the Townships of West Lincoln, and Wainfleet and the Towns of Grimsby and Lincoln within the Regional Municipality of Niagara and within Haldimand County.

Stantec Consulting Ltd. (Stantec) was retained by Niagara Region Wind Corporation (NRWC) to prepare a Renewable Energy Approval (REA) Application, as required under Ontario Regulation 359/09 – Renewable Energy Approvals under Part V.0.1 of the Environmental Protection Act (O.Reg. 359/09). Specific sections of O.Reg. 359/09 pertain to Heritage Resources, specifically heritage resources and cultural heritage landscapes. In order to meet the conditions of the Regulation, a Heritage Assessment was conducted for the location of the proposed Project.

The Heritage Assessment included a review of historic period maps, aerial imagery and Census data as well as records and inventories held by: Niagara Region; Haldimand County; the Town of Grimsby; the Townships of Wainfleet, West Lincoln, and Lincoln; the Ontario Ministry of Tourism, Culture and Sport; and the Ontario Heritage Trust.

A visual survey of the Study Area was completed in June and July, 2012 to determine the existence of any built heritage resources within and adjacent to the Study Area. During the site visit the Study Area was also assessed for any groupings of resources that might constitute a cultural heritage landscape.

Resources recorded during the survey and desktop research were cross-referenced with existing inventories and evaluated against the criteria outlined under *O.Reg 9/06 Criteria for Determining Cultural Heritage Value or Interest*. A total of 111 cultural heritage resources have been identified by this study as meeting the criteria for determining heritage value.

For each resource and landscape of heritage value, a heritage impact assessment (HIA) was undertaken in order to identify potential Project-related negative impacts. Impacts evaluated include: destruction; alteration; shadows; isolation; direct or indirect obstruction of significant views; and changes in land use.

Potential negative impacts have been identified for 52 cultural heritage resources.

In order to lessen or avoid potential indirect negative impacts from construction vibrations, the following recommendations have been made:

- In the event that construction activities are undertaken in the vicinity of identified CHRs (*i.e.*, access roads, below-grade transmission lines), it is recommended that construction

be avoided within 50 m of any structures associated with these cultural heritage resources.

- If construction within a 50 m bufferzone cannot be avoided, maximum acceptable vibration levels, or peak particle velocity (PPV) levels, should be determined by a qualified engineer with previous experience with built heritage in similar circumstances. Construction within the 50 m bufferzone should be monitored to ensure that PPV levels are not exceeded. All construction activities should cease, should levels be exceeded.

As a general recommendation, roads travelling through cultural heritage landscapes in the communities of Smithville, St. Ann's, Bismark, Elcho, Wellandport, and Stromness should be avoided to the greatest extent practicable when transporting heavy machinery and turbine components to the Project location in order to minimize the potential for accidental or indirect damage to the high concentration of narrowly setback cultural heritage resources and landscapes within those communities.

In order to lessen or avoid potential direct negative impacts resulting from the removal or alteration of the heritage attributes of identified cultural heritage landscapes, the following recommendations have been made:

- removal of or damage to identified heritage attributes (*i.e.*, root systems and above ground vegetation of cultivated plants, canal infrastructure, landscape features and built components of rail landscapes) should be avoided to the greatest extent practicable.
- Where damage or removal is unavoidable, plantings and built features should be restored to their pre-construction state immediately following the completion of Project activities.

In order to minimise the potential visual impact of the Project on views from the Elcho United Church Cemetery (CHR49), it is recommended that the proponent work with the Elcho Cemetery Board to design and install an appropriate visual barrier around the cemetery to protect views from the cemetery (*e.g.*, fencing, shrubbery or trees).

In order to avoid direct impacts on views of the West Lincoln McCaffrey Cemetery (CHR-14), it is recommended that any overhead transmission infrastructure installed along Port Davidson Road in the vicinity of the cemetery be installed along the eastern side of the road.



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**PROJECT PERSONNEL**

|                      |                                    |
|----------------------|------------------------------------|
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|                      | Stephen Jarrett, M.A.              |
|                      | Christienne Uchiyama, M.A.         |
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|                      | Nancy Oakley, M.A.                 |
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|                      | Colin Varley, M.A., R.P.A.         |

# 1 INTRODUCTION

---

Stantec Consulting Ltd. (Stantec) was retained by Niagara Region Wind Corporation (NRWC) to prepare a Renewable Energy Approval (REA) Application for the Niagara Region Wind Farm (the Project), as required under *Ontario Regulation 359/09 – Renewable Energy Approvals under Part V.0.1 of the Environmental Protection Act* (O.Reg. 359/09). According to subsection 6.(3) of O.Reg. 359/09, the Project is classified as a Class 4 Wind Facility and will follow the requirements identified in O.Reg.359/09 for such a facility.

This Heritage Assessment Report is one component of the REA Application for the Project, and has been prepared in accordance with O.Reg. 359/09. The study was conducted by Christienne Uchiyama, M.A., and Nancy Oakley, M.A., Heritage Planning Consultants with Stantec. A visual survey was conducted in June and July, 2012 by Christienne Uchiyama, Nancy Oakley, and Paige Glenen, M.Sc.. Colin Varley, M.A., R.P.A., Senior Archaeologist and Heritage Planning Consultant, acted as Senior Reviewer.

## 1.1 O.Reg. 359/09 Requirements, Heritage Assessment

This Heritage Assessment Report has been conducted in accordance with O.Reg. 359/09, s.23 (1) and (3). O. Reg.359/09 s.23 (1) states that:

*23. (1) Subject to subsections (2) and (5), a person who proposes to engage in a renewable energy project shall ensure that a heritage assessment is conducted, consisting of the following steps:*

*(1) Conduct an investigation, including historical research and visual inspection, to determine whether,*

*(i) there is potential for the presence of a heritage resource at the project location on any part of the project location that is not on a property described in Column 1 of the Table in section 19, and*

*(ii) any properties described in Column 1 of the Table to section 19 about the parcel of land on which the project location is situated.*

*(2) If the determination under subparagraph 1 i is that there is potential for the presence of a heritage resource, confirm the presence or absence of a heritage resource by applying the criteria set out in Ontario Regulation 9/06 (Criteria for Determining Cultural Heritage Value or Interest) made under the Ontario Heritage Act.*

Sections 4 and 5 of this report satisfies the requirements of O.Reg.359/09, s.23(1)(a)(i).

The Regulation further directs the proponent to:

*(3) Evaluate the impact of engaging in the renewable energy project on the heritage attributes of any heritage resources at the project location and on any abutting properties described in subparagraph 1 ii and provide recommendations for measures to avoid, eliminate or mitigate the impact if,*

*(i) the determination under subparagraph 1 ii is that there are abutting properties as described in that subparagraph, or*

*(ii) the presence of a heritage resource at the project location is confirmed under paragraph 2. O.Reg. 195/12, s.15(1).*

In order to satisfy O.Reg.359/09, s.23 (3), an assessment of potential Project-related negative impacts was carried out for each significant built heritage resource within the Study Area. This assessment, conducted as per InfoSheet #5 in *Heritage Resources in the Land Use Planning Process, Cultural Heritage and Archaeology Policies of the Ontario Provincial Policy Statement, 2005* (MTCS, 2006a), is presented in Section 6.

## **1.2 Project Description**

Niagara Region Wind Corporation (NRWC) is proposing to develop, construct, and operate the 230 Megawatt (MW) Niagara Region Wind Farm (the Project) within the Townships of West Lincoln and Wainfleet and the Town of Lincoln within the Niagara Region and within Haldimand County in Southern Ontario, in response to the Government of Ontario's initiative to promote the development of renewable electricity in the province.

The basic components of the Project include 77 wind turbine generators (80 potential locations identified) each with a rated capacity of approximately 3.0 MW for a maximum installed nameplate capacity of 230 MW. An overhead and/or underground collection system connects each turbine to one of two transformer substations along a series of 34.5 kilovolt (kV) lines. Turbines are grouped into eight collector circuits that bring power (and data via fibre optic lines) to one of the transformer substations. Voltage is stepped up from 34.5kV to 115kV at each transformer substation by means of a 100 MVA base rated transformer with two stages of cooling (via fans). A 115kV transmission line transports power from each of the two transformer substations north to the tap-in location where the Project is connected to the Hydro One Networks Inc. (HONI) owned transmission line, south of the Queen Elizabeth Way (QEW) in the Town of Lincoln. Power generated from this Project will be conveyed along the existing HONI transmission line to the Beach Transformer Station in Hamilton.

Alternate transmission and collector lines routes have been identified and assessed to provide options during detailed design, the final selection of which route to follow will be confirmed following the consultation process with local distribution companies, agency review and detailed design.

Other Project components include access roads, junction boxes (or pad-mounted disconnect switches) and associated culverts at swales and waterbody crossings. Temporary components during construction may include temporary laydown areas (for storage and staging areas at each turbine location), crane pads or mats, staging areas along access roads, delivery truck turnaround areas, central construction laydown areas and crane paths. All Project components are illustrated on Figures 11 through 19.

### **1.2.1 Project Location**

In accordance with O. Reg. 359/09, the "Project Location" includes all land and buildings/structures associated with the Project and any air space in which the Project will occupy. This includes structures such as turbines, access roads and power lines as well as any temporary work areas (the 'constructible area' for the Project) which are required to be utilized during the construction of the Project.

The "Project Study Area" was established to scope the siting of the proposed wind turbines, collector lines, access roads and temporary work areas. Similarly, the "Interconnector Study Area" was established to scope the location of the proposed 115kV transmission line, transformer substations and tap-in location. These two terms are intended to assist with background data collection and consultation, however have no formal definition or application under O.Reg. 359/09.

The Project will be entirely located within the Townships of West Lincoln, and Wainfleet and the Town of Grimsby within the Niagara Region and within Haldimand County in Southern Ontario. The Project Study Area covers approximately 33,747.5 ha and is generally bounded by Castor Gainsborough Road to the West; the Queen Elizabeth Way to the North; the north shore of Lake Erie to the South; and Balfour Street to the East (Figure 1).

Project infrastructure such as collector lines and transmission lines will be sited along the boundaries of the Township of Pelham and Town of Grimsby, but will be sited outside of these municipalities on the opposite side of the road.

The Project will be located on privately owned lands and within municipal rights of way. The legal description of the parcels of land that will be used for the Project will be provided as part of the REA Application.

### **1.2.2 Transmission Lines**

To facilitate the Project's connection to the provincial grid, a new 115 kV transmission line approximately 44 km in length will be constructed as part of the Project. A preferred transmission line route has been identified in the REA, as well as some alternate transmission line routes where further consultation with municipalities and local distribution companies will help to select the most

ideal route. The configuration and routes for the preferred and alternate transmission lines are shown in Appendix A.

The poles of the transmission line will be up to 23 m in height and vary in spacing from approximately 60m to 150m as required. Smaller spans or taller poles may be required for some areas where narrow rights of way, angles or unforeseen problems make construction difficult. Wood monopoles will be used where practical and steel or concrete monopoles may be used in some cases depending on site conditions.

Transmission lines will be installed overhead along municipal road right of ways, as well as where it is proposed to cross the Welland River and associated wetland. Through the approval of a Development Permit from the Niagara Escarpment Commission to be obtained prior to submission of the REA application, the transmission line will be buried within the municipal right of way along Mountainview Road where it crosses the Niagara Escarpment Plan Area. It will also continue underground to the tap-in location, and may be buried along other sections of the transmission line route. Both underground and overhead options have been considered in the Natural Heritage Assessment and Environmental Impact Study. Details on the method of installation are provided in the Construction Plan Report.

The transmission line will connect to the existing Hydro One Networks Inc. 115 kV transmission line which runs parallel to the south side of the QEW and intersects Mountainview Road in Lincoln. At this tap-in location there will be either a pole-mounted Mid Span Opener (MSO) or a pad-mounted disconnect switch to allow for manual disconnect of the Project from the HONI line. A short access road will be required to allow for access to the tap-in location, which will also be enclosed with fencing and warning signage to alert the public.

### **1.2.3 Collector Lines**

From the turbine switchgear, underground 34.5 kV collector lines carry the electricity to the municipal road allowances along the turbine access roads or other defined routes. Along the municipal road allowances, underground and/or overhead collector lines on new poles organized into several circuits will transport the electricity to one of the transformer substations.

Overhead lines will be installed on poles that will be designed to meet the requirements of the local distribution companies, and in some cases, the assets of the local distribution companies may share the poles with the project assets. Wood monopoles will be used where feasible, but some concrete or steel monopoles may be required to avoid guy wires spanning outside of municipal road allowances (to be confirmed during detailed design).

The monopoles carrying the collector lines will vary in height depending on the number of circuits installed. A minimum pole height of 19 m and maximum pole height of 30 m is expected with varied pole spacing up to 60 m.



Collector lines are proposed to be installed overhead at two of the wetland crossings, specifically over the Welland River and over the Welland Feeder Canal. However, all other collector lines on private properties will be installed underground, including where they are proposed to cross wetland or woodland areas. Details on the method of installation are provided in the Construction Plan Report.

Where two or more collector lines connect and continue as one collector line, a junction box or pad-mounted disconnect switch will be installed. The unit is an enclosed metal box approximately 2m high, 3m long and 2m wide. The unit is safe to touch and locked to prevent unauthorized entry. The units are brought to site by truck and lowered onto cast-in place concrete pads. Collector lines are fed into the box from underground.

### **1.3 Study Methodology**

The Heritage Assessment study was composed of a program of archival research and visual assessment of potential built heritage resources and potential components of cultural heritage landscapes within the vicinity of the Study Area. As part of the desktop research undertaken municipalities within the Study Area were contacted for information pertaining to Heritage Registers and inventories. Public consultation for the project was undertaken concurrently with this study and is outlined in the Consultation Report (Stantec, 2013a). Local non-governmental organizations were not contacted as part of the desktop survey due to the size of the Study Area, information received from municipalities, and the ongoing consultation process which allowed for the opportunity for local non-governmental organizations and individuals to provide input related to Project concerns, including those related to cultural heritage.

To familiarise the study team with the Study Area, municipalities were contacted for heritage inventories, archival documents were reviewed and a summary historical background of the local area was prepared. Listings of provincially and locally designated built heritage sites, districts and easements and buildings of architectural or historical interest for each municipality were reviewed in order to compile a catalogue of existing identified heritage resources.

The Aboriginal Engagement Strategy for the Project, as outlined in the Consultation Report, “is to engage interested and local Aboriginal communities in a way that is meaningful and respectful of their aboriginal and treaty rights and interests in the Project area” (Stantec, 2013a). The following aboriginal communities have been identified by the MOE as having a potential interest in the Project:

- Six Nations of the Grand River First Nation
- Six Nations of the Grand River Haudenosaunee Confederacy Council
- Mississaugas of the New Credit First Nation

Others that have or may have constitutional or treaty rights, or that may have an interest in any negative environmental effects, included:

- Niagara Region Metis Council
- Métis Nation of Ontario

The Project team is involved with ongoing consultation with interested aboriginal communities which has included participation in archaeological field studies for the project and forums for discussion of land use in and around the Study Area including, but not limited to topics such as: traditional gathering places; burial sites; sacred sites or special sites; berry picking; medicinal plants; birds and fowl for hunting; larger animals, migration patterns, collection areas; fishing spots; original names; and historical stories (Stantec, 2013a).

A visual survey was conducted in June and July, 2012. The visual survey was undertaken along public roads within the Project Study Area. In cases where the identified resources were located on public property (*i.e.*, public parks, cemeteries) the property was accessed in order to record views from the resource. The Study Area was surveyed for extant buildings, outbuildings and/or other built heritage remains. During the site visit built heritage resources which might satisfy criteria outlined under O.Reg. 9/06 and components of potential cultural heritage landscapes were photographed and their locations recorded. Where municipal addresses were not available locations were recorded using a handheld Global Positioning System (GPS).

In general, buildings and structures of more than forty years of age were evaluated during the survey for their potential to satisfy O.Reg. 9/06 criteria. The use of the forty year threshold is generally accepted by both the federal and provincial authorities as a preliminary screening measure for heritage interest or values. This practice does not imply that all buildings and structures more than forty years of age are inherently of cultural heritage value, nor does it exclude exceptional examples constructed within the past forty years of being of cultural heritage value.

The Study Area was assessed for groupings of resources and environs that might potentially constitute cultural heritage landscapes as defined by the Ministry of Culture's *InfoSheet #2 Cultural Heritage Landscapes in Heritage Resources in the Land Use Planning Process: Cultural Heritage and Archaeology Policies of the Ontario Provincial Policy Statement, 2005* (MTCS, 2006b).

Evaluation of potential cultural heritage resources was performed using criteria set out under O.Reg.9/06 of the *Ontario Heritage Act (OHA)*. Resources meeting one or more of the criteria under O.Reg.9/06 are considered by this study to be of cultural heritage value.

Identification of potential impacts on cultural heritage resources and landscapes considered the proposed site plan for the layout of turbines and other Project infrastructure (Figure 1). Layout of Project components was undertaken separately from this study with the understanding that

negative impacts on cultural heritage resources identified by this study might require mitigative measures, up to and including the relocation of Project infrastructure.

### **1.3.1 Resource Evaluation Methodology**

As per O.Reg. 359/09, evaluation of potentially significant built heritage resources in the Study Area was performed using criteria set out under O.Reg 9/06 of the *OHA*. A property or resource meeting one or more of the following criteria is considered significant under the *OHA*. Information used in the evaluation of cultural heritage resources was based on desktop research, historic mapping, available inventories and local histories and visual surveys.

- 1. The property has design value or physical value because it,*
  - i. is a rare, unique, representative or early example of a style, type, expression, material or construction method,*
  - ii. displays a high degree of craftsmanship or artistic merit, or*
  - iii. demonstrates a high degree of technical or scientific achievement.*
- 2. The property has historical value or associative value because it,*
  - i. has direct associations with a theme, event, belief, person, activity, organization or institution that is significant to a community,*
  - ii. yields, or has the potential to yield, information that contributes to an understanding of a community or culture, or*
  - iii. demonstrates or reflects the work or ideas of an architect, artist, builder, designer or theorist who is significant to a community.*
- 3. The property has contextual value because it,*
  - i. is important in defining, maintaining or supporting the character of an area,*
  - ii. is physically, functionally, visually or historically linked to its surroundings, or*
  - iii. is a landmark. O. Reg. 9/06, s. 1 (2).*

### **1.3.2 Impact Assessment Methodology**

Assessment of potential direct or indirect impacts of the Project on identified built heritage resources in the Study Area considered Ministry of Tourism and Culture guidelines concerning *Heritage Impact Assessments and Conservation Plans* (MTCS, 2006a).

The Ministry of Tourism, Culture and Sport outlines seven potential negative impacts on heritage resources:

- **Destruction** of any, or part of any, *significant heritage attributes* or features;
- **Alteration** that is not sympathetic, or is incompatible, with the historic fabric and appearance;
- **Shadows** created that alter the appearance of a *heritage attribute* or change the viability of a natural feature or plantings, such as a garden;
- **Isolation** of a *heritage attribute* from its surrounding environment, context or a *significant* relationship;
- **Direct or indirect obstruction** of *significant* views or vistas within, from, or of built and natural features;
- **A change in land use** such as rezoning a battlefield from open space to residential use, allowing new *development* or *site alteration* to fill in the formerly open spaces; and
- **Land disturbances** such as a change in grade that alters soils, and drainage patterns that adversely affect an *archaeological resource*.

Land disturbances are being assessed in a separate Stage 1 Archaeological Assessment and have not been included in the current evaluation.

Identification of potential impacts considered the proposed site plan in relation to identified cultural heritage resources (Figures 11 through 20).

The hub height of the proposed wind turbines will be either 124 m or 135 m with a blade length of 48.5 m. In order to evaluate the potential visual impact of turbines, general topographical conditions and land-use recorded during the site visit, aerial imagery, and comparative examples from similar projects were reviewed. Visual modelling was also used to inform the evaluation with respect to assessing the scale of new turbines relative to existing built features. Visual Aid 1 presents the scale of a turbine with a 124 m hub height at a distance of 550 m and 1000 m from a typical two storey residential building. Visual Aid 2 presents that same model with trees at various locations and distances in order to evaluate the effectiveness of tree-cover as an effective mitigative measure. Visual Aids 3 and 4 present similar models with a hub height of 135 m.

A Visual Assessment Study, including visual simulations, was prepared for the Niagara Escarpment Commission to assess the impact of transmission infrastructure on the scenic values of the Niagara Escarpment Plan Area (Stantec, 2012). The Visual Assessment Study and the visual simulations prepared for the study were reviewed to inform the assessment of impact of Project collector and transmission infrastructure on cultural heritage values.

In addition to direct impacts related to destruction, this assessment also evaluated the potential for indirect impacts resulting from the vibrations of construction and the transportation of Project components and personnel. Although the effect of traffic and construction vibrations on historic

period structures is not fully understood, negative effects have been demonstrated on buildings with a setback of less than 40 m from the curbside (Crispino and D'Apuzzo, 2001; Ellis, 1987; Rainer, 1982; Wiss, 1981). The proximity of Project components to resources of cultural heritage value was considered in this assessment, particularly those within 50 m.

One consideration of interventions on resources and landscapes of heritage value is the **reversibility** of any new features. English Heritage (officially known as the Historic Buildings and Monuments Commission for England), a governmental statutory adviser on the historic environment in the United Kingdom, has prepared guidance on the assessment of impacts of renewable energy projects on the Historic Environment which addresses reversibility. English Heritage states that, as a best practice, "consideration should always be given to the reversibility of wind energy projects" (English Heritage, 2005). Their 2005 guidance document further states that,

*Planning authorities should therefore make provision, as part of any planning permission, for the long-term protection of the landscape by requiring legal agreements for the remediation and restoration of wind farm sites and their infrastructure when they are decommissioned.*

A Decommissioning Plan Report has been prepared for the Project, in accordance with O.Reg. 359/09, which sets out specific content requirements for the Decommission Plan Report in Table 1, Item 3 of the Ministry of Environment's (MOE's) draft guidance document "*Technical Guide to Renewable Energy Approvals*" (MOE, March 2012). The Decommission Plan Report provides the following information with respect to plans for site rehabilitation or restoration following the lifespan of the Project.

*The operator of the Project will develop a Rehabilitation Plan that is designed to restore habitat in areas affected by Project-related equipment. This plan will be developed in consultation with the appropriate agencies prior to the decommissioning of the Project.*

*It is envisioned that the Rehabilitation Plan will include, but not be limited to the following;*

- Agricultural areas, which comprise most of the pre-developed Project Location, will be restored such that normal farming practices may resume. Any damaged tile drains will be fixed.*
- Cultural areas will be revegetated using native plant material and seeds appropriate for the Project site or allowed to revegetate naturally.*
- Areas such as turbine staging areas, crane pads and access roads which may become compacted during decommissioning will be decompacted and restored to pre-existing conditions.*

*The Rehabilitation Plan may also involve a monitoring period which allows for the Project site to experience seasonal changes and help determine if additional restoration is required (Stantec, 2013b).*



**Visual Aid 1: Wind Turbine Scale Schematic (124m hub height)**



**Visual Aid 2: Wind Turbine Scale Schematic, with trees (124m hub height)**





**Visual Aid 3: Wind Turbine Scale Schematic (135m hub height)**



**Visual Aid 4: Wind Turbine Scale Schematic, with trees (135m hub height)**

## **2 CULTURAL LANDSCAPE**

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The Study Area is located in the Haldimand Clay Plain physiographic region, a large region that occupies the majority of the Niagara Peninsula south of the Niagara Escarpment down to Lake Erie. It is a region of approximately 1,350 square miles characterized by recessional moraines in the northern part, deep river valley in the middle, and flat and low lying ground in the south (Chapman and Putnam, 1984).

The vast majority of the surficial geology of the Study Area is silty heavy clay loam till and alluvial deposits in flood plains spanning the length of region's waterways. In the historic Lincoln County the dominate soil series is Haldimand clay loam with small pockets of Lincoln clay till, predominately along waterways (Wicklund and Mathews, 1963). The surficial geology in the historic Welland County is similar, although Berrien and Wauseon series sandy loam soils are also found within the Study Area (Presant and Kingston, 1989).

The Niagara Peninsula, more generally, provides a transportation link between Canada and the United States via modern border crossings at Niagara Falls, Fort Erie and Queenston. This proximity to the United States resulted in the strategic importance of the area as the first seat of government for Upper Canada and, consequently, one of the first areas surveyed and settled by the British Government towards the end of the 18<sup>th</sup> century. The area continued to be one of great importance from a defensive standpoint and was the location of numerous pivotal battles during the War of 1812. The Welland Canal, built between 1824 and 1830, provided a gateway between Lake Ontario and Lake Erie and established the Niagara Peninsula as not only a transportation and communication hub for Upper Canada, but also as an economic and commercial centre, particularly given the superior agricultural conditions in the area.

Settlements in the general vicinity of the Project include Saint Ann's, Silverdale, Rosendene, Bismark, Boyle, Fenwick, Vaughn, Elcho, Perry, Becketts Bridge, Wellandport, Mount Carmel, Forks Road, Lowbanks, Willow Bay, Beamsville, Smithville and Grimsby. Study Area land use is primarily rural agricultural with small settlements scattered throughout the landscape, with more urban land uses located in the north along the south shore of Lake Ontario. Many woodlands and wetlands occur throughout the Study Area, which includes portions of the Niagara Escarpment and Greenbelt Areas. Short Hills Provincial Park is located to the east of the Project Study Area and Rock Point Provincial Park is located to the south.

The majority of the cultural landscape throughout the Project area can be characterized as rural; being comprised of relatively straight, gravel and paved roads lined by widely setback farm complexes (Plates 1 and 2). Existing transmission infrastructure is visible throughout the Study Area and consists of wooden monopoles along alternating sides of road rights of way (Plates 1 – 4, 6 and 7). At major crossroads, along major transportation routes and in within settlements,



residential and commercial buildings tend to be narrowly setback (Plate 3). At several of these same crossroads schoolhouses and religious buildings are still extant. Farm complexes within the Study Area range in size from small to very large and tend to be widely setback (Plates 4 and 5) although narrowly setback agricultural buildings are also found throughout the Study Area (Plate 6). Cultivated fields tend to be extensive and are interrupted by woodlots and tree lines (Plate 7).



**Plate 1: Typical rural roadscape within the Study Area (South Grimsby Road 3, 3149 South Grimsby Road 3 on the right)**



**Plate 2: Example of paved rural road (River Road near 75229 River Road)**



**Plate 3: Example of narrowly setback residential building along major roads and near crossroads (Bismark)**





**Plate 4: Example of farm complex components and configuration (5482 Elcho Road)**



**Plate 5: Example of widely setback farm complex (73358 River Road)**

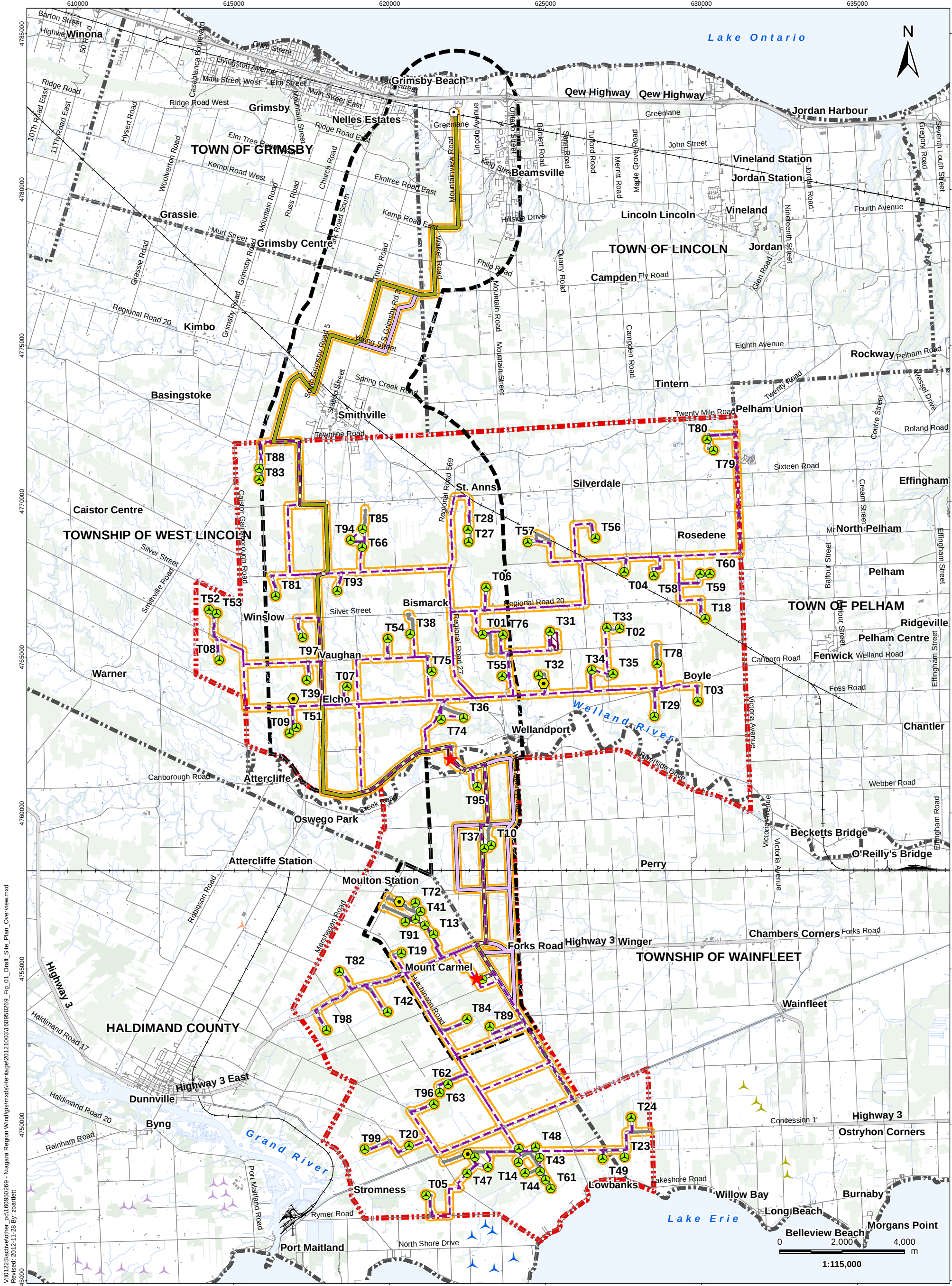


**Plate 6: Example of narrowly setback agricultural outbuildings (73752 River Road)**



**Plate 7: Rural landscape, as viewed from St. Ann's Community Cemetery**





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Revised: 2012-11-28 By: zbarlett



Legend

- |  |                                           |  |                            |  |                                          |
|--|-------------------------------------------|--|----------------------------|--|------------------------------------------|
|  | Project Study Area                        |  | Road                       |  | Other Wind Turbines                      |
|  | Interconnector Study Area                 |  | Expressway / Highway       |  | Mohawk Wind Farm (Existing)              |
|  | 120m Zone of Investigation                |  | Active Railway             |  | Rosa Flora Turbine (Existing)            |
|  | Transformer Substation                    |  | Abandoned Railway          |  | Wainfleet Wind Energy Project (Proposed) |
|  | Proposed Turbine Location                 |  | Existing Structures        |  | HAF Wind Energy Project (Proposed)       |
|  | Tap-in Location                           |  | Watercourse                |  | Grand Renewable Energy Park (Proposed)   |
|  | Existing Met Tower                        |  | Existing Transmission Line |  |                                          |
|  | Potential Access Road                     |  | Waterbody                  |  |                                          |
|  | Collector Lines – Underground or Overhead |  | Wooded Area                |  |                                          |
|  | Preferred Transmission Route              |  | Municipality Lower Tier    |  |                                          |
|  | Alternate Transmission Route              |  |                            |  |                                          |
|  | Potential Construction Laydown Area       |  |                            |  |                                          |

Notes

- Coordinate System: NAD 1983 UTM Zone 17N
- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.

Client/Project  
Niagara Region Wind Corporation  
Niagara Region Wind Farm

Figure No.  
1

Title  
Project Location

November 2012  
160950269





### 3 HISTORICAL BACKGROUND

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#### 3.1 Pre-Contact Period Land-Use

The cultural heritage of the Niagara Region and Haldimand County pre-dates the arrival of French explorers in the area by thousands of years. The following summary of the prehistoric occupation of Southern Ontario is based on syntheses in Archaeologix (2008), Ellis and Ferris (1990) and Jacques Whitford (2008) and is focused on settlement patterns and cultural activities that can be documented as part of the Heritage Assessment study process. For the most part, pre-contact period cultural resources will be studied as part of the Archaeological Assessment process for the Project.

The first identified human occupation of Ontario can be traced back 11,000 years, following the end of the Wisconsin Glacial period. This initial occupation is referred to as the "Palaeo-Indian" archaeological culture (11,000-10,000 Before Present (BP)). Settlement patterns suggest that small groups followed a pattern of seasonal mobility extending over large territories in order to exploit a variety of resources. Many (although by no means all) of the Early Palaeo-Indian sites were located on former beach ridges associated with Lake Algonquin, the post-glacial lake occupying the Lake Huron/Georgian Bay basin.

The transition from the Palaeo-Indian period to the Archaic archaeological culture of Ontario prehistory is evidenced in the archaeological record by the development of new tool technologies developed to more intensively exploit resources. Although there may have been some reduction in the degree of seasonal movement during the Early Archaic period (10,000-8,000 BP), it is still likely that population density during the Early Archaic was low, and band territories large.

The development of a more diversified tool technology continued into the Middle Archaic period (8,000-4,500 BP). An increased reliance on local chert resources for chipped stone tools suggests that in the Middle Archaic groups inhabited smaller territories that often did not encompass a source of high quality raw material. This reduction in territory size appears to have been the result of gradual region-wide population growth, which forced a reorganization of subsistence practices, as more people had to be supported from the resources of a smaller area.

The trend towards decreased territory size and a broadening subsistence base continued during the Late Archaic (4,500-2,900 BP) and Late Archaic sites are far more numerous than either Early or Middle Archaic sites. Although the increase in numbers of sites may represent an increase in population, the relative paucity of earlier Archaic sites may, at least in part, be due to their being inundated under rising lake levels.

The appearance of the first true cemeteries occurs during the Late Archaic. Prior to this period, individuals were interred close to the location where they died. However, with the advent of the Late Archaic and local cemeteries individuals who died at a distance from the cemetery would be

returned for final burial at the group cemetery, often resulting in disarticulated skeletons, occasionally missing minor bone elements (e.g. finger bones). The emergence of local group cemeteries has been interpreted as being a response to both increased population densities and competition between local groups for access to resources as cemeteries would have provided symbolic claims over a local territory and its resources.

The Early Woodland period (2,900-2,200 BP) is distinguished from the Late Archaic period primarily by the addition of ceramic technology. Other than the introduction of limited ceramic technology, the life-ways of Early Woodland peoples show a great deal of continuity with the preceding Late Archaic period. The trade networks which were established in the Middle and Late Archaic continued to function and trade items were included in increasingly sophisticated burial ceremonies, some of which involved construction of burial mounds.

At the beginning of the Middle Woodland period (2,200 B.C.-1,100 BP) rich, densely occupied sites appear along the margins of major rivers and lakes. Unlike earlier seasonally utilized locations, these Middle Woodland sites appear to have functioned as base camps, occupied off and on over the course of the year. There are also numerous small upland Middle Woodland sites, many of which can be interpreted as special purpose camps from which local resources were exploited. This shift towards a greater degree of sedentism continues the trend witnessed from at least Middle Archaic times, and provides a prelude to the developments that follow during the Late Woodland period.

The relatively brief period of the Transitional Woodland period is marked by the acquisition of cultivar plants species, such as maize and squash, from communities living south of the Great Lakes. The appearance of these plants began a transition to food production. Sites were occupied for longer periods and by larger numbers of people. Transitional Woodland sites in the Hamilton area and Niagara Peninsula are part of the Princess Point Complex, named after the Princess Point site in Cootes Paradise, at the west end of Burlington Bay on Lake Ontario.

The Late Woodland period in southern Ontario is associated with societies referred to as the Ontario Iroquois Tradition. This period is often divided into three temporal components; Early, Middle and Late Iroquoian. Early Iroquoian peoples continued to practice similar subsistence and settlement patterns as the Transitional Woodland. Villages tended to be small, with small longhouse dwellings that housed either nuclear or, with increasingly, extended families. Smaller camps and hamlets associated with villages served as temporary bases from which wild plant and game resources were acquired. Horticulture appears to have been for the most part a supplement to wild foods, rather than a staple.

The Middle Iroquoian period marks the point at which a fully developed horticultural system (based on maize, beans, and squash) emerged, and at which point cultivars became the staple food source. In this period villages become much larger than in the Early Iroquoian period, and



longhouses also become much larger, housing multiple, though related, nuclear families. For the most part Iroquoian people inhabited large, sometimes fortified villages throughout Southern Ontario.

The Late Iroquoian period in the Niagara Peninsula, along the north shore of Lake Erie and at the western end of Lake Ontario is marked by the emergence of the Neutral Iroquoians, one of several discrete groups that emerge from the Middle Iroquoian period. Neutral settlements include large villages of several longhouses and a number of associated smaller satellite villages (hamlets), seasonally occupied sites with only one or two small “cabins” (usually associated with working horticultural fields), and camps for specialized extractive activities such as hunting and fishing.

Discrete clusters of politically allied Neutral villages have been identified from the late prehistoric and early historic period, and in the case of the Study Area the nearest cluster is the Lower Grand River cluster, located on both sides of the Grand River.

## **3.2 Euro-Canadian Period Land-Use**

### **3.2.1 Niagara Region**

The earliest written record of the Niagara Peninsula dates to an account of Niagara Falls published in 1604. The account had been written by Samuel de Champlain and was based on the stories of First Nations populations he encountered during his first trip to what is now Canada in 1603 (de Volpi, 1966). Etienne Brûlé may have visited the Niagara Region as early as 1611, but it was not until 1615 that Champlain, personally, explored Lake Ontario. Niagara River, between Lake Ontario and Lake Erie, was outlined in the 1632 *Les Voyages de la Nouvelle France Occidentale, Dicte Canada, Faits par le Sr. De Champlain* (de Volpi, 1966). In 1678 Father Jean Louis Hennepin sketched the Falls (de Volpi, 1966). The sketch was reproduced in 1697 in Father Hennepin's *Nouvelle découverte d'un très grand pays situé dans l'Amerique, entre le Nouveau Mexique et la mer glaciale* (Plate 1). An illustration, showing a ladder ascending the Falls, accompanied a story in a 1751 edition of *The Gentleman's Magazine* (Plate 2). Although French explorers, missionaries and traders would continue to pass through the area during the 17<sup>th</sup> and 18<sup>th</sup> centuries, no concerted effort was made by the French to settle the region, although a series of forts, blockhouses and fortified trading posts were constructed near present-day Youngstown, New York at the mouth of Niagara River, including: Fort Conti, 1678-1679 (destroyed by fire); Fort De Nonville, 1687-1688 (abandoned); and Fort Niagara, 1726 (captured by British forces in 1759) (Porter, 1896).

The stone fort at Niagara was enlarged to its present-day size around 1755 in response to increased tension in the region between the French and British. The fort was captured by the British following a 19-day siege led by Sir William Johnson (Porter, 1896). When writing about Fort Niagara and the Niagara Peninsula in his 1770 *A General History of the British Empire in America*, John Huddleston wrote that, “Niagara is without exception the most important post in America and

secures a greater number of communications, through a more extensive country, than perhaps any other pass in the world” (Wynne, 1770). When the Province of Quebec was divided into Upper and Lower Canada in 1791, Lieutenant-Governor John Graves Simcoe chose Niagara as the first seat of government for Upper Canada (1792 until 1794) and began surveying the region to accommodate settlement (de Volpi, 1966).

During the War of 1812, the Niagara Peninsula was the setting for a number of pivotal battles, including those at Queenston Heights, Fort George, Chippewa, Fort Niagara, and Lundy’s Lane. Owing to its close proximity to the United States, the region was one of the first settled as a result of the war by United Empire Loyalists (UELs), German mercenaries, Pennsylvania German settlers, First Nations, and those wishing to take advantage of generous land grants and low tax rates aimed at stimulating settlement along the Canadian-United States border.

The Welland Canal, built between 1824 and 1830, provided a gateway between Lake Ontario and Lake Erie and established the Niagara Peninsula as an economic and commercial centre, particularly given the superior agricultural conditions in the area.

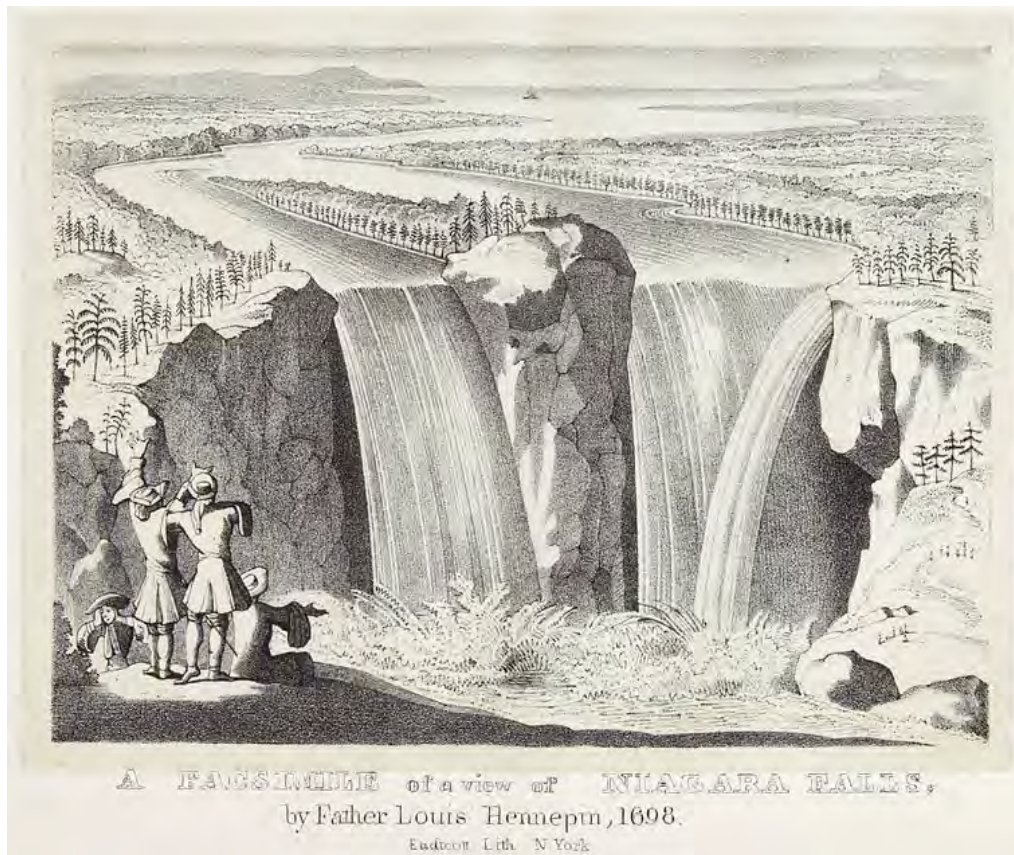


Plate 8: Father Jean Louis Hennepin's View of Niagara Falls, 1698



Plate 9: View of Niagara Falls from The Gentleman's Magazine, 1751



### **3.2.2 Caistor Township, Lincoln County**

Lieutenant Governor John Graves Simcoe issued a proclamation in 1792 dividing Upper Canada into nineteen counties. Lincoln County was one of these original nineteen (Lincoln County Council, 1956). Each of the townships in Lincoln County were given the names of British towns in Lincoln County, England. Lincoln County was established through a Provincial Act in 1798 which stated that, “the township of Clinton, Grimsby, Saltfleet, Barton, Ancaster, Glanford, Binbrook, Gainsborough and Caistor, do form and constitute the first riding of the County of Lincoln...” (Lincoln County Council, 1956).

The topography in Caistor Township is generally characterised by gently rolling hills, primary watercourses such as Twenty Mile Creek, the Chippewa River (now Welland River), and a network of smaller watercourses with fertile floodplains. Prior to European survey and settlement, Caistor was crossed by numerous trails and portage routes, some of which have evolved into modern roadways (Lincoln County Council, 1956). The first settler in Caistor Township was, by many accounts, an escaped slave by the name of Diamond who had travelled up the Chippewa River to settle along its shore in Concession 1 in 1778 (Lincoln County Council, 1956). In 1782, Henry Dochstader, a UEL from New York, was granted Lots 2, 3, and 4, Concession 1 and “bought out the improvements” attributed to Diamond. A number of UELs settled in Caistor in the 1790s, including members of the Lymburner, Merritt, Dean, and Killins families. By 1817 24 families, totaling 156 residents, had settled in Caistor (Lincoln County Council, 1956).

Early settlers in Caistor Township made use of the established trails and portage routes to carry provisions. The first saw mill was constructed in Lot 6, Concession 2 along the Chippewa River by John Lymburner in 1799 and the first log schoolhouse was constructed in Lot 2, Concession 1 in 1816 (Lincoln County Council, 1956). Small communities such as Caistorville slowly developed over the 19<sup>th</sup> and 20<sup>th</sup> centuries; however, swaths of forest and undeveloped land can still be found throughout the township.

The historical Township of Caistor was amalgamated with the Townships of South Grimsby and Gainsborough on January 1, 1970 to become the Township of West Lincoln (Township of West Lincoln, 2012).

### **3.2.3 Clinton Township, Lincoln County**

Clinton Township grew quickly as a result of incentives to settle in Upper Canada at the end of the 18th century. By 1800, at least 66 families were living in Clinton Township (Lincoln County Council, 1956). Among the earliest settlers in the area was Jacob Beam, a UEL and member of Butler’s Rangers. It was after Jacob Beam that Beamsville, established as a police village only three years after the founding of Lincoln County, was named. As a UEL, Jacob Beam was originally granted 400 acres of land in Clinton Township and an additional 500 acres in Grimsby Township (Lincoln

County Council, 1956). The homesteads of two early settlers, the Book and Teeter families may be located in optioned parcels based on information provided in Page & Co.'s 1876 Illustrated Atlas of the Counties of Lincoln and Welland (Table 1).

Agricultural land in Clinton Township is fertile, being comprised on nutrient rich sandy loam soils. Excellent agricultural conditions, coupled with the township's advantageous location along the Niagara Escarpment, along the south shore of Lake Ontario made the area attractive to early settlement. By 1876 there were 600 residents, a court, Free Mason's lodge, Orange Hall, wine factory and a bell factory as well as numerous specialists including a tinsmith, druggist and doctor in the Village of Beamsville alone (Page, 1876).

**Table 1: Early Settlers in Clinton Township**

| <b>Settler Name</b> | <b>Date of Settlement</b> | <b>Matching Names from Page (1876) within Proposed locations</b> | <b>Township</b> | <b>Lot(s)</b> | <b>Conc.</b> |
|---------------------|---------------------------|------------------------------------------------------------------|-----------------|---------------|--------------|
| Book                | 1788-89                   | Clark, John, and William Book                                    | Clinton         | 14-16         | 9, 10        |
| Teeter              | 1788-89                   | Albert I. Teeter                                                 | Clinton         | 20, 21        | 9            |

### **3.2.4 Gainsborough Township, Lincoln County**

The historic Township of Gainsborough, now part of amalgamated West Lincoln Township, was historically the largest township in the County of Lincoln. The township is characterised by rolling topography and is watered by two primary watercourses, the Chippewa River and Twenty Mile Creek.

John Dochstader was the first European settler to arrive in Gainsborough in 1783. Dochstader settled on Lots 1 and 2, along Concessions 1 and 2. The surrounding land was settled in the following years by members of the Heaslip, Henry, Hodges, Reese, Comfort, Gee, and Hutt families, among others (Lincoln County Council, 1956). Schoolhouses were constructed near Gee bridge and in St. Ann's prior to 1800 and the first log church was constructed on Lot 13, Concession 6 in 1799. Although settlement of Gainsborough Township was slower than others in the region due to its "inland" location, several small communities developed in the 18<sup>th</sup> and 19<sup>th</sup> century which still survive today, including: St. Ann's, Wellandport, and Bismark.

The community of St. Ann's was originally founded as Snyder's Mills in the 1790s. The settlement was named after Adam Snyder, who arrived from New Jersey in 1793 and within a year had erected a grist mill and a saw mill along the Twenty Mile Creek. An inn and trading post were constructed at St. Ann's by Adam Mingle in 1816. The name St. Ann's is said to derive from the reputation of Ann Freas, Snyder's wife, as a benevolent and welcoming woman (Lincoln County Council, 1956).

Bismark developed at the crossroads of Highway 20 and Highway 57 during the 19<sup>th</sup> century. It was once a busy market centre and the location of the township hall (Lincoln County Council, 1956).

Wellandport was settled around 1795 along a narrow strip of land between Beaver Creek and Chippewa River. The settlement is located at the present-day intersection of Highway 57 and Canborough Road. By 1820, several hotels, mills and distilleries had been constructed at Wellandport to support the community which was developing there as a result of the increasing use of the two rivers for the transportation of lumber and other goods (Lincoln County Council, 1956). Page & Co.'s 1876 map of Gainsborough Township illustrates the level of development within and around optioned properties by the second half of the 19<sup>th</sup> century (Figures 2 through 5).

In general, land-use in Gainsborough Township remains largely agricultural. The homesteads of 17 early settlers may be located with optioned parcels of land based on information provided in Page & Co.'s 1876 *Illustrated Atlas of the Counties of Lincoln and Welland* (Table 2). Among these early settlers were the Heaslip, Snyder, Lane, Gee, Johnson, Kennedy, and Dils families.

### **3.2.5 Grimsby Township, Lincoln County**

The first European settlers arrived in Grimsby Township around 1787-1788. By 1833, the township was sufficiently settled and developed to justify its division into South Grimsby and North Grimsby Townships along the Niagara escarpment, which cuts through the middle of the township from the east to the west. The settlements of Smithville and Grimsby, in South Grimsby and North Grimsby Townships, respectively, were established in the 1780s. Grimsby Township was the home of John Green, in Grimsby Township, that the first municipal council meeting in Upper Canada was held on April 5, 1790 (Lincoln County Council, 1956).

Prior to the War of 1812 the Village of Grimsby was known as The Forty. The Forty was originally established around 1790 as settlers such as Robert Nelles, John Green and John Beamer began constructing mills along the Forty Mile Creek. By 1812, Grimsby was the site of two schools, one church, several stores and two distilleries.

After the War of 1812 both Grimsby and Smithville became continued to develop. By 1876 Grimsby had a population of over six hundred inhabitants, with four churches, three schools, a fruit canning factory, a brewery and numerous mills and stores. Smithville had a population of over seven hundred inhabitants, with five churches, two pump factories, a shingle factory, and several stores (Lincoln County Council, 1956).



**Table 2: Early Settlers in Gainsborough Township**

| <b>Settler Name</b> | <b>Date of Settlement</b> | <b>Matching Names from 1876 within Proposed locations</b> | <b>Township</b> | <b>Lot(s)</b> | <b>Conc.</b> |
|---------------------|---------------------------|-----------------------------------------------------------|-----------------|---------------|--------------|
| Heaslip             | 1782                      | Leonard Heaslip                                           | Gainsborough    | 11,12         | 1            |
| Heaslip             | 1782                      | J.L. Heaslip, M. Heaslip                                  | Gainsborough    | 13,14         | 4            |
| Synder              | 1793-4                    | Jason Synder                                              | Gainsborough    | 17            | 5            |
| Synder              | 1793-4                    | George Synder                                             | Gainsborough    | 23            | 6            |
| Synder              | 1793-4                    | Rob. Synder                                               | Gainsborough    | 8             | 2            |
| Synder              | 1793-4                    | John Synder                                               | Gainsborough    | 12            | 1            |
| Lane                | 1793-4                    | N.N. Lane                                                 | Gainsborough    | 11            | 6            |
| Lane                | 1793-4                    | Mrs. R. Lane                                              | Gainsborough    | 15            | 3            |
| Gee                 | 1793-4                    | Abraham Gee Estate                                        | Gainsborough    | 16            | 3            |
| Gee                 | 1793-4                    | Jacob Gee                                                 | Gainsborough    | 21,22         | 4            |
| Gee                 | 1793-4                    | C. Gee                                                    | Gainsborough    | 6             | 3            |
| Gee                 | 1793-4                    | Ezra Gee (on present-day Gee Road)                        | Gainsborough    | 20            | 3            |
| Johnson             | 1793-4                    | Nathan Johnson                                            | Gainsborough    | 3             | 5            |
| Kennedy             | 1793-4                    | Samuel Kennedy                                            | Gainsborough    | 22            | 5            |
| Kennedy             | 1793-4                    | John Kennedy                                              | Gainsborough    | 21            | 5            |
| Kennedy             | 1793-4                    | Jacob Kennedy                                             | Gainsborough    | 25,26         | 1            |
| Peter Dils          | 1796                      | J.C. Dils                                                 | Gainsborough    | 8             | 1            |

### **3.2.6 Wainfleet Township, Lincoln County**

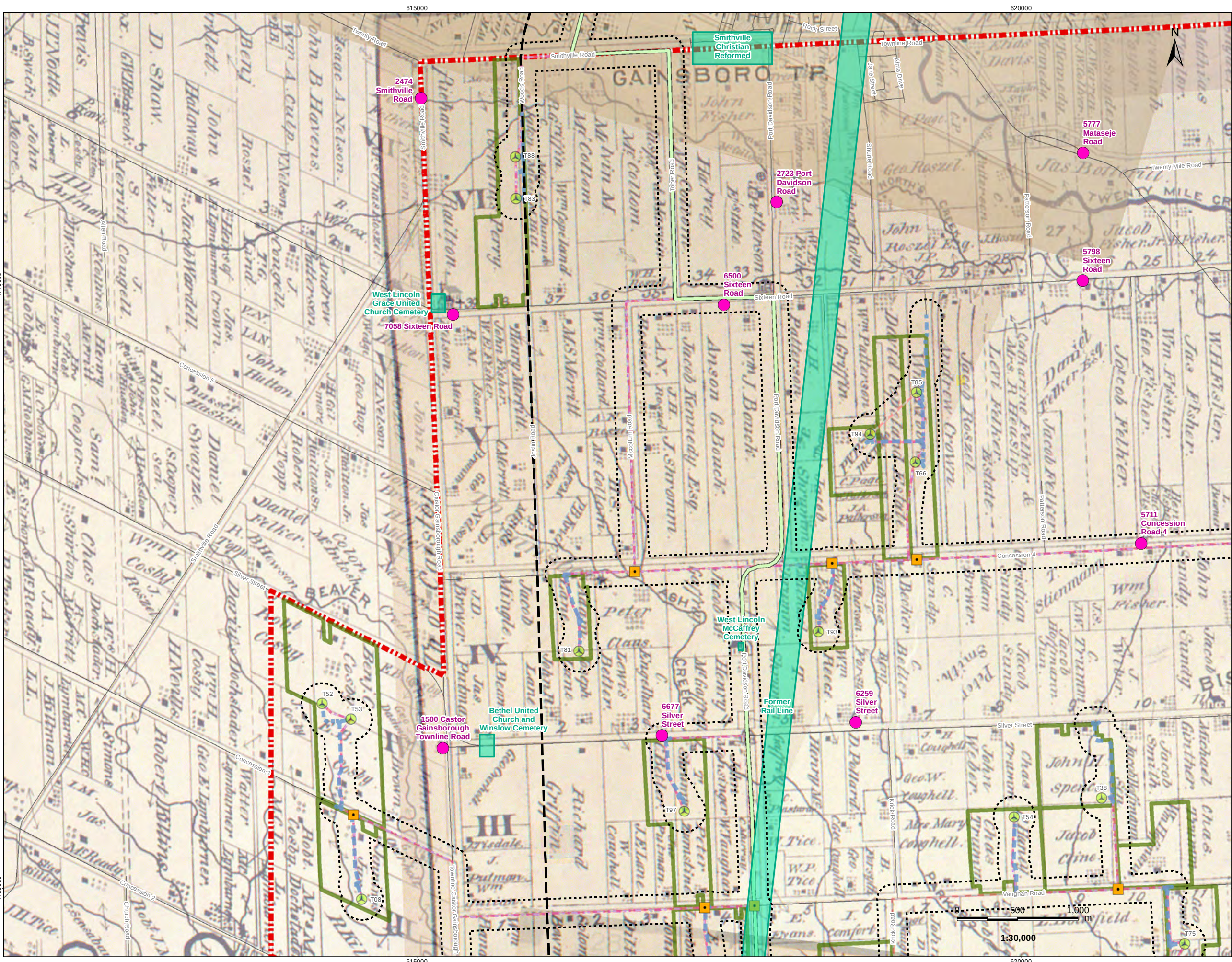
Wainfleet Township is characterised by poorly drained, often marshy land and, as a result, was one of the slowest in Lincoln County to be settled (Wainfleet Historical Society, 1992). Among the first settlers in Wainfleet Township was David Morgan, who arrived from Pennsylvania during the American Revolution. Other early settlers included William Fares, Jacob Minor, Henry Zavitz, Abram Kinnaird, and Lawrence Furry, the founder of the community of Lowbanks (Sidey *et.al.*, 1887). The construction of the Feeder Canal between 1824 and 1829 further connected Wainfleet Township with neighbouring communities, but more importantly contributed to the drainage of the surrounding area (Wainfleet Historical Society, 1992). Page's 1876 map of Wainfleet Township illustrates the level of development within and around optioned properties by the second half of the 19<sup>th</sup> century (Figures 4 through 7).

### **3.2.7 Haldimand County**

Haldimand County is located within the Haldimand Tract, an area six miles on either side of the Grand River, from its headwaters to Lake Erie which was granted to the Six Nations in 1784. In 1792, Norfolk County was established from lands within the Haldimand Tract. Haldimand County, named after Sir Frederick Haldimand, was established as its own county in 1800 (Bructon, 1967). One of the oldest settlements in Moulton Township is Lowbanks which was founded in 1772 by Lawrence Furry, originally from Pennsylvania (Paisley, 1967).

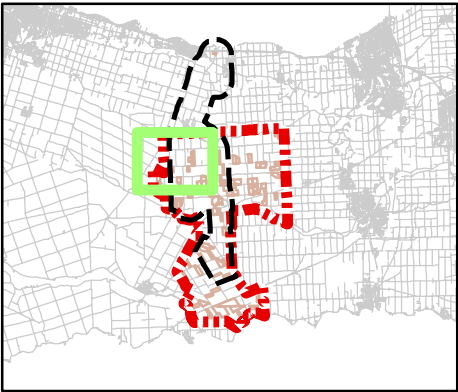
The County was officially opened for settlement by the Crown in 1832 but settlement was slow due to heavily forested and often swampy lands. The Feeder Canal, built between 1824 and 1829, is one of the most notable man-made features in Moulton Township. It connects the Grand River at Dunnville in the west to the Welland Canal in Welland in the east. During the 19<sup>th</sup> century, regular freights along the Feeder Canal made it an important route for the transportation of timber and cordwood (Paisley, 1967). Page's 1876 map of Moulton Township illustrates the level of development within and around optioned properties by the second half of the 19<sup>th</sup> century (Figures 4 through 7).





## Legend

- Built Heritage Resource
- Cultural Heritage Landscape
- Proposed Turbine Location
- Junction Box / Pad-Mounted Disconnect Switch
- Existing Met Tower
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Proposed Collector Line (underground or overhead)
- Potential Access Road
- Proposed Fibre Optic Line
- Transformer Substation
- Potential Construction Laydown Area
- Participating Property
- Interconnector Study Area
- Project Study Area
- 120m Zone of Investigation



## Notes

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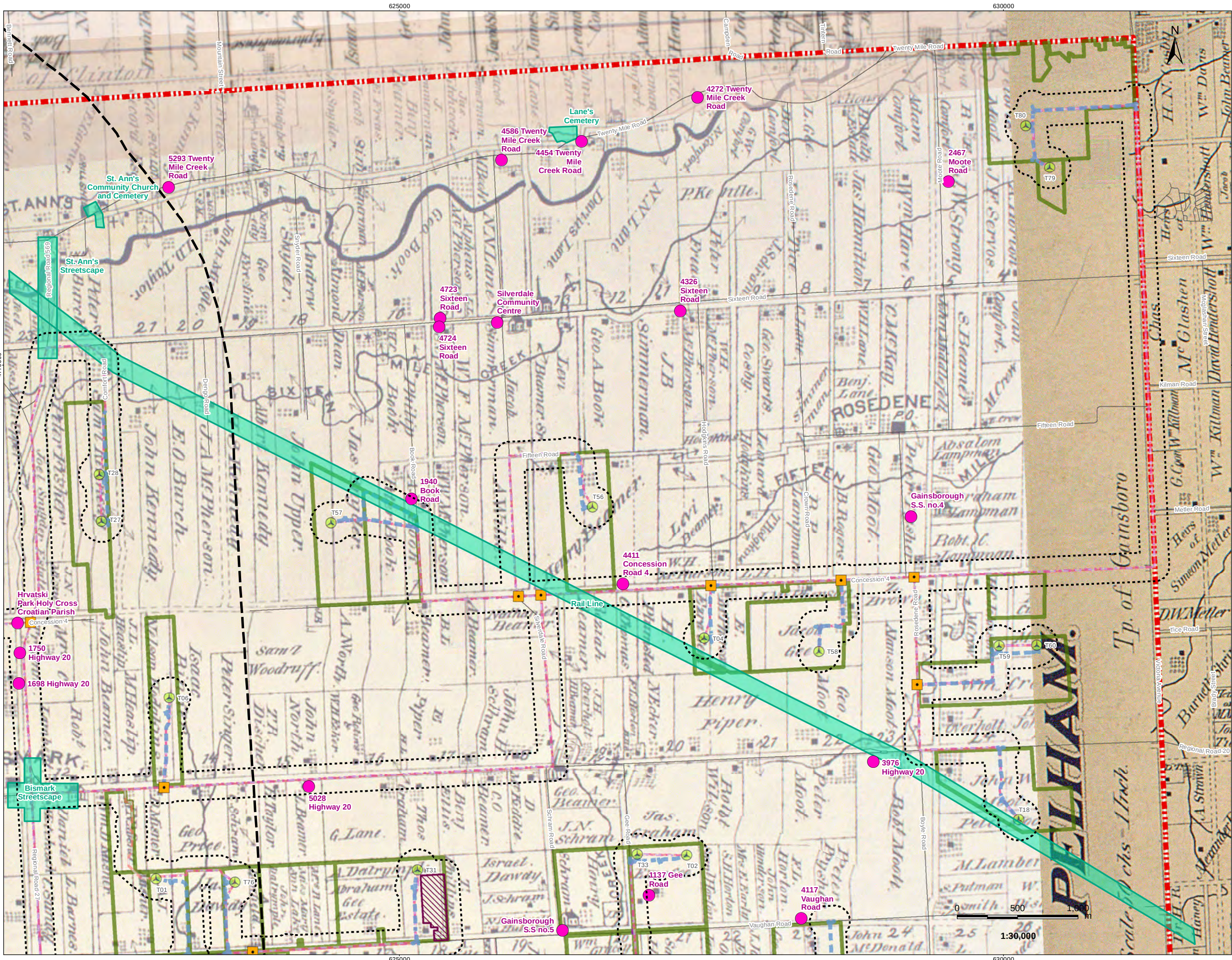
Figure No.  
2 (Gainsborough Township)

Title  
1876 Page & Co. Historical Mapping  
Overlaid by Project Components



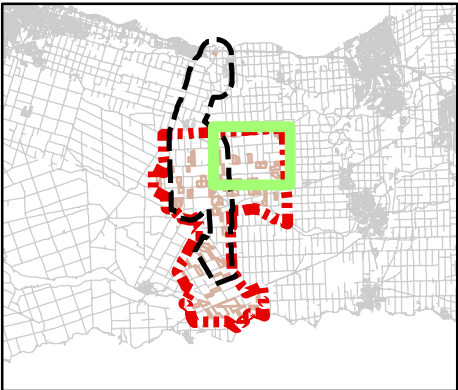






## Legend

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Figure No.

3 (Gainsborough Township)

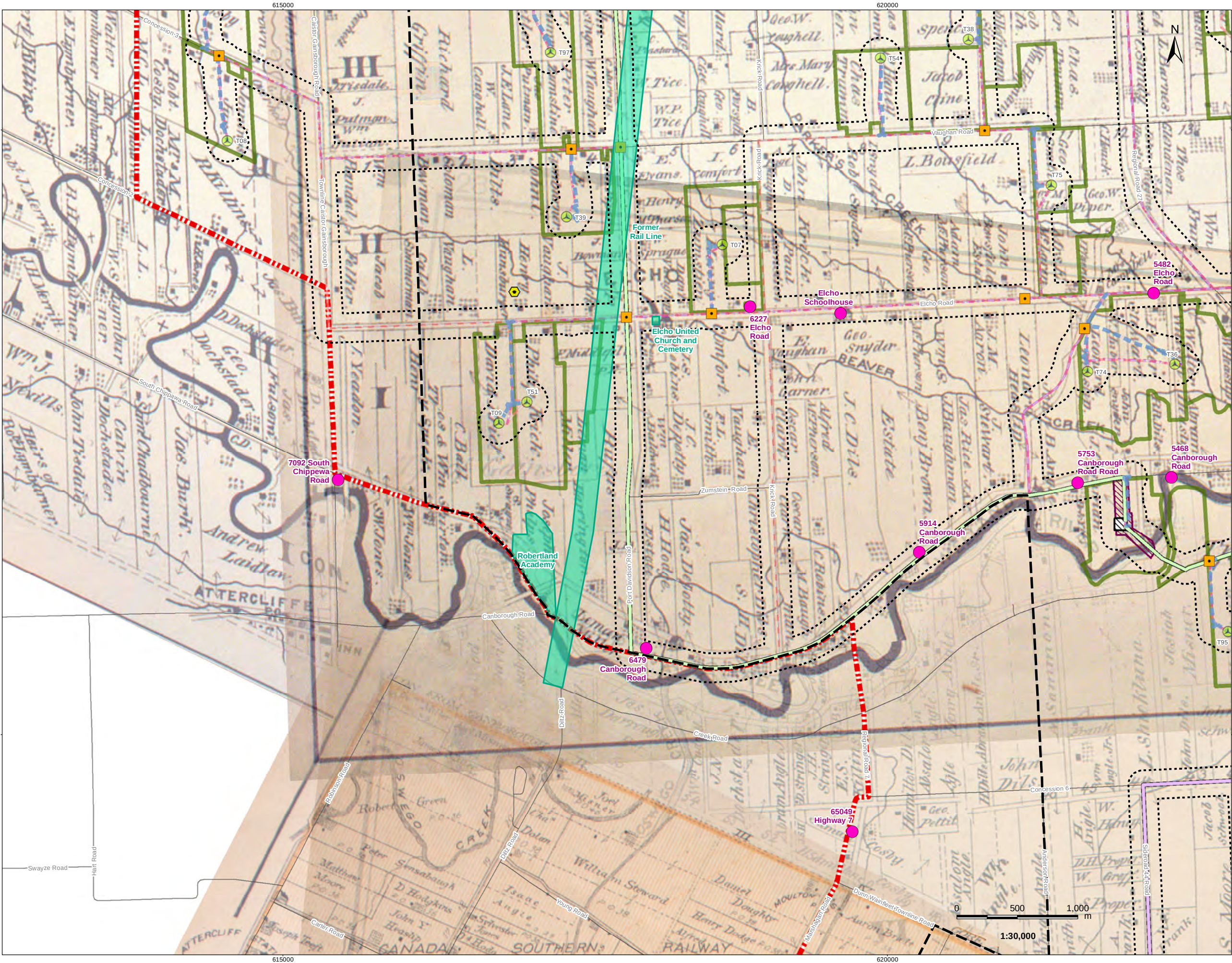
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1876 Page & Co. Historical Mapping  
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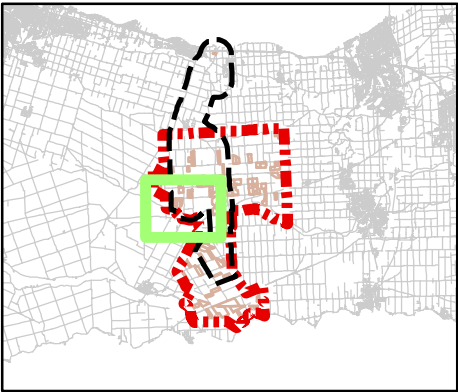






## Legend

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Figure No.

4 (Gainsborough, Wainfleet & Moulton)

Title

1879 & 1876 Page & Co. Historical Mapping  
Overlaid by Project Components





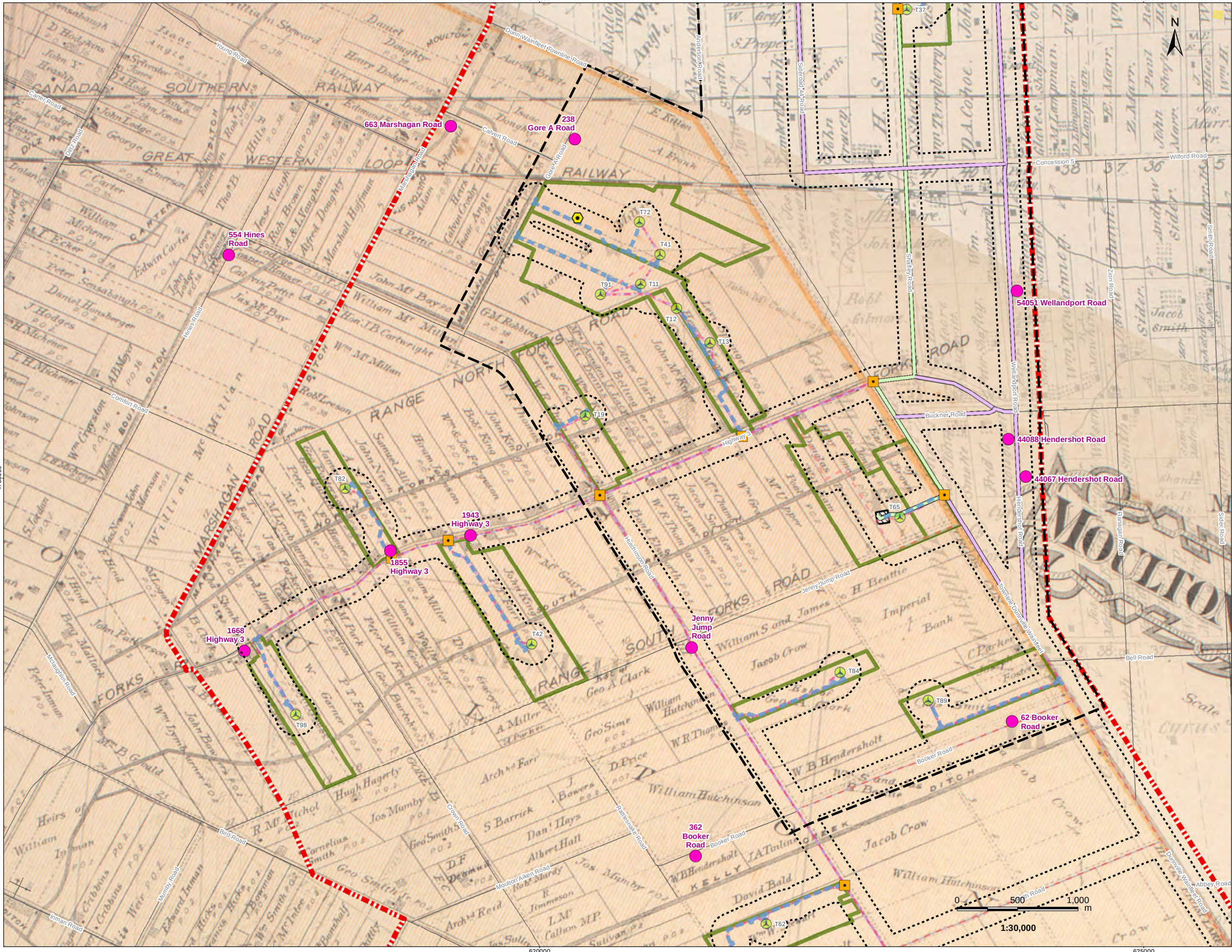






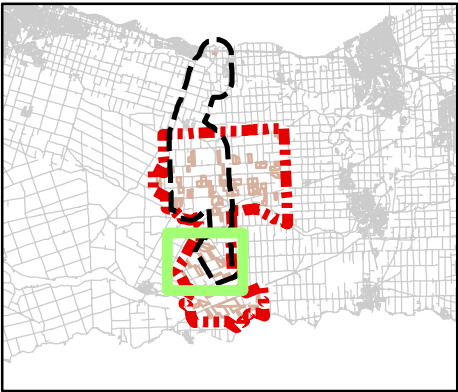






## Legend

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Figure No.

6 (Wainfleet & Moulton Townships)

Title

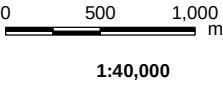
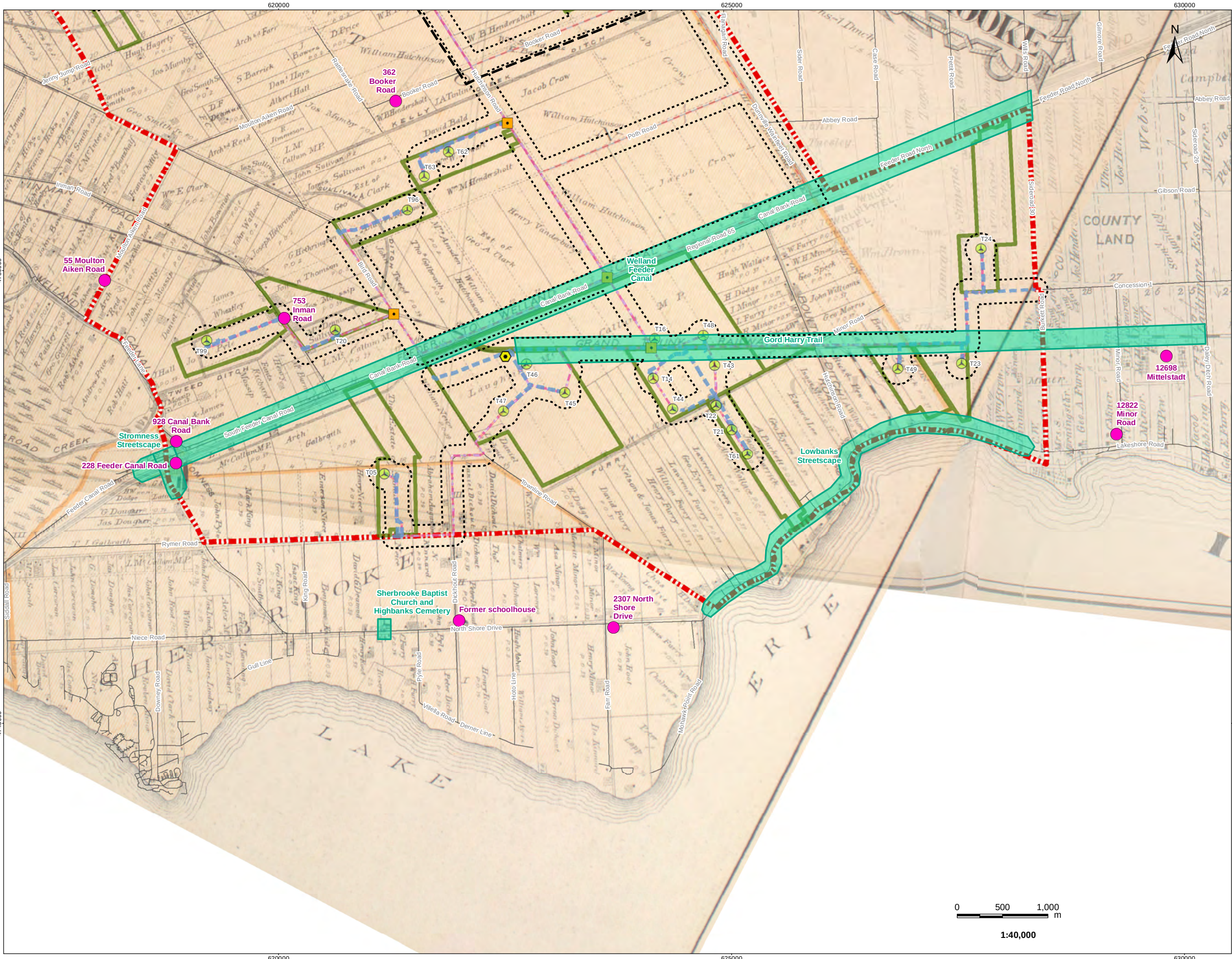
1876 Page & Co. Historical Mapping  
Overlaid by Project Components





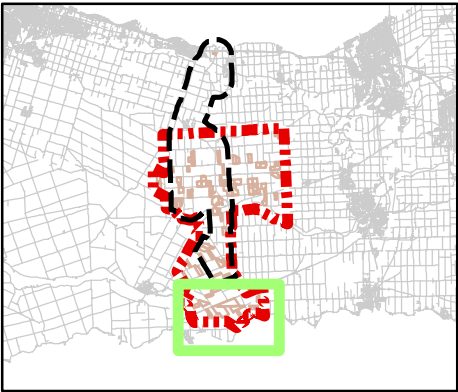


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## Legend

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Figure No.

7 (Moulton, Sherbrooke & Wainfleet)

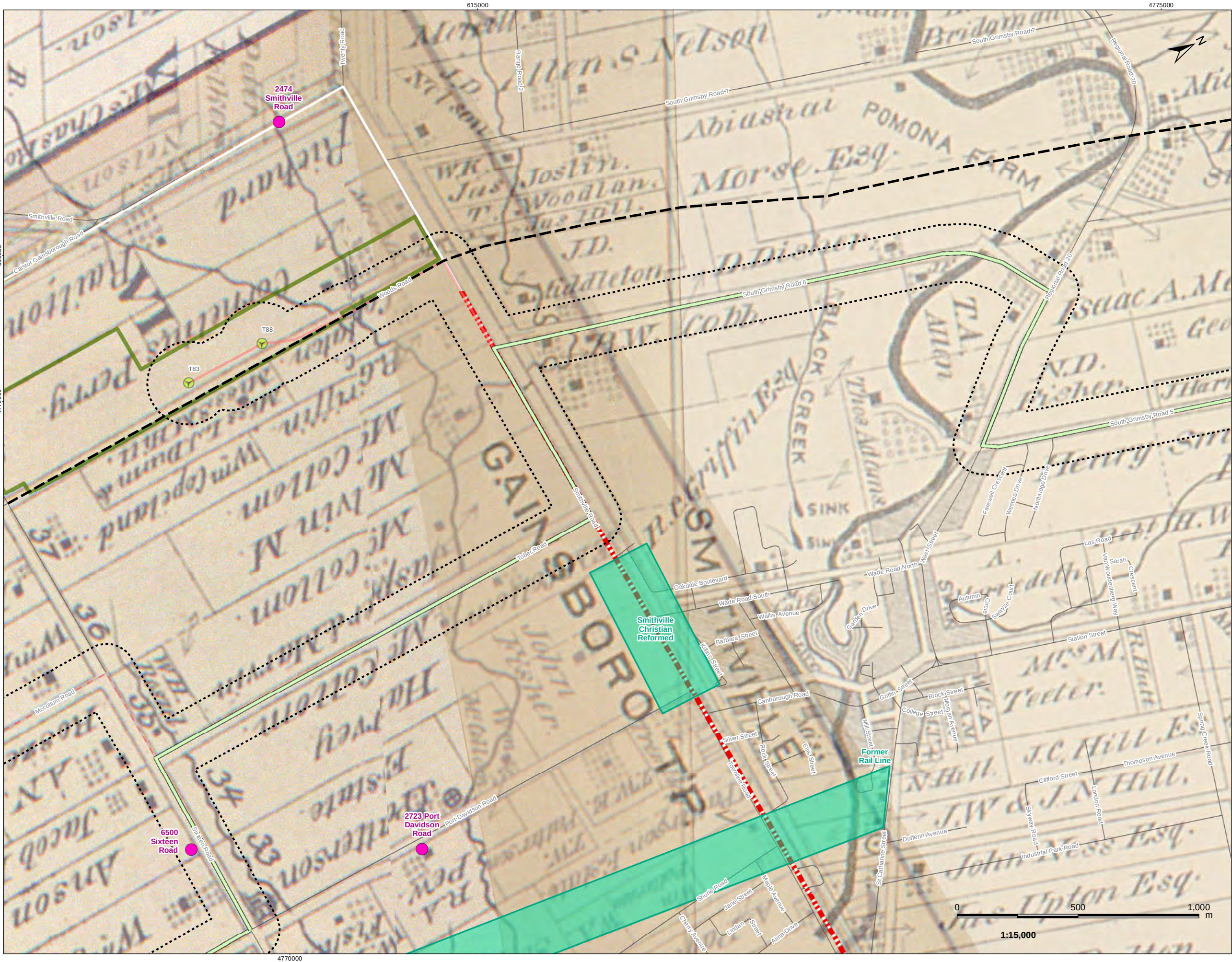
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1879 & 1876 Page & Co. Historical Mapping  
Overlaid by Project Components



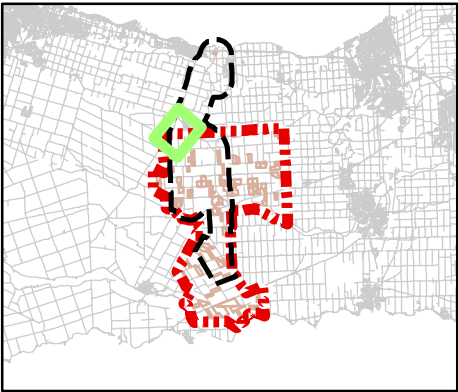






## Legend

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Figure No.

8 (Grimsby & Clinton Townships)

Title

1876 Page & Co. Historical Mapping  
Overlaid by Project Components



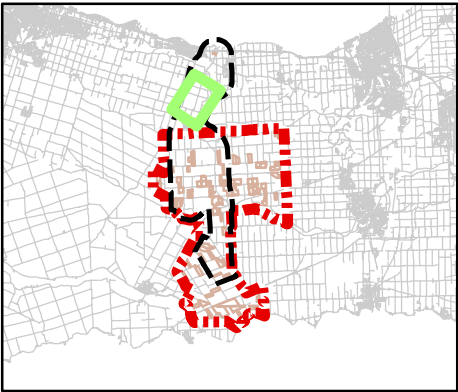






## Legend

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Figure No.

9 (Grimsby & Clinton Townships)

Title

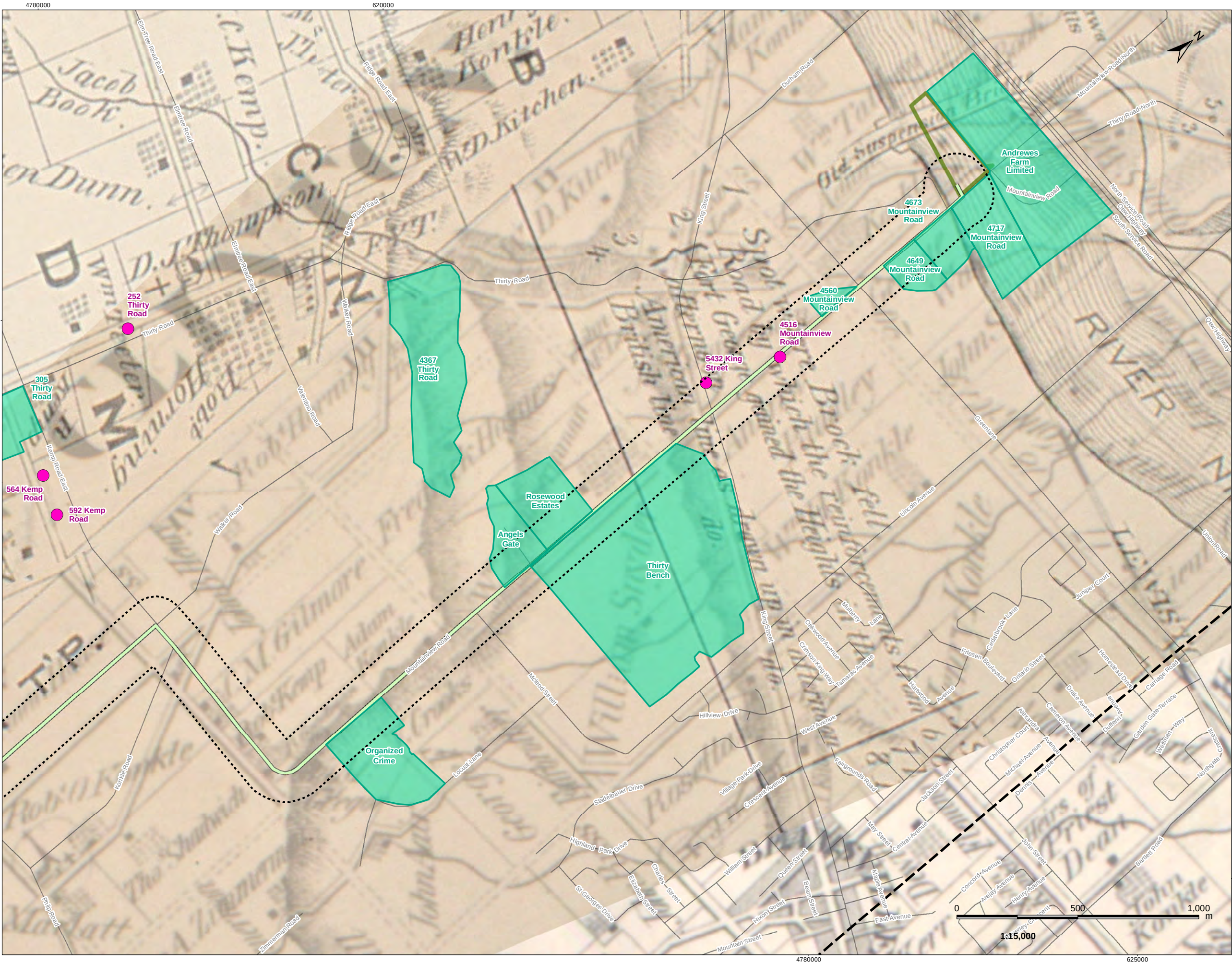
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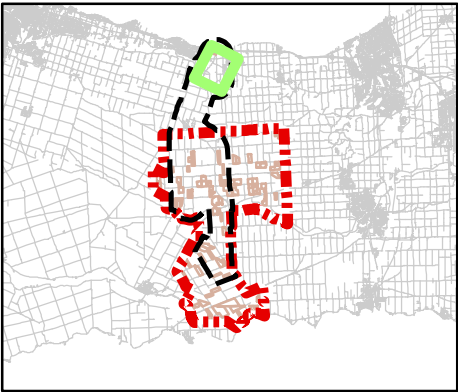


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Revised: 2012-11-29 By: zbarlett



## Legend

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Figure No.

10(Grimsby & Gainsborough Townships)

Title

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Overlaid by Project Components





## 4 EXISTING PROTECTED PROPERTIES

There are a total of twelve (12) protected properties as outlined in the table in Section 19, O.Reg.359/09 located within or adjacent to the Study Area (Table 3).

In addition to those properties protected as outlined Section 19, a total of eight (8) properties within or abutting the Study Area are included on municipal registers which have been approved by their respective municipal council (Table 4). The inclusion of these properties on a council-approved Heritage Register provides some protection against the demolition or removal under Section 27 of the *Ontario Heritage Act*.

There are no properties located within or adjacent to the Study Area which are subject to an agreement, covenant, or easement with the Ontario Heritage Trust under clause 10(1)(b) of the *Ontario Heritage Act* (Fraser, 2011).

The assessment of impacts on Protected Properties is outlined in a separate Protected Properties Report.

**Table 3: List of Protected Properties, as outlined in Section 19, O.Reg.359/09**

| Address/Property Name                                                  | Municipality or Approval Authority | Type of Designation under the <i>Ontario Heritage Act</i> | Figure # |
|------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------|----------|
| 2511 North Shore Drive - <i>Furry Tavern</i>                           | Haldimand County                   | Part IV, Section 29                                       | 16       |
| 1639 Rosedene Road - <i>Comfort Barn</i>                               | Township of West Lincoln           | Part IV, Section 29                                       | 12       |
| 2663 Moote Road - <i>Former Moot House</i>                             | Township of West Lincoln           | Part IV, Section 29                                       | 12       |
| 139 St. Catherines Street, Smithville                                  | Township of West Lincoln           | Part IV, Section 29                                       | 17       |
| 205 Canborough Street, Smithville                                      | Township of West Lincoln           | Part IV, Section 29                                       | 17       |
| 288 Station Street, Smithville - <i>Smithville Train Station</i>       | Township of West Lincoln           | Part IV, Section 29                                       | 17       |
| 4966 Beam Street - <i>Clinton Town Hall and Lincoln Public Library</i> | Town of Lincoln                    | Part IV, Section 29                                       | 19       |
| 5499 Philp Road - <i>Marlatt Farmstead</i>                             | Town of Lincoln                    | Part IV, Section 29                                       | 18       |
| 5567 Fly Road - <i>Durham-Devries House</i>                            | Town of Lincoln                    | Part IV, Section 29                                       | 18       |
| 5053 King Street - <i>Beam-Barnes House</i>                            | Town of Lincoln                    | Part IV, Section 29                                       | 19       |
| 4271 Queen Street - <i>The Howard House</i>                            | Town of Lincoln                    | Part IV, Section 29                                       | 19       |
| 5600 King Street - <i>The William D. Kitchen House</i>                 | Town of Lincoln                    | Part IV, Section 29                                       | 19       |



**Table 4: List of Properties included in council-approved Heritage Registers**

| <b>Address/Property Name</b>                 | <b>Municipality</b> | <b>Figure #</b> |
|----------------------------------------------|---------------------|-----------------|
| Mount Carmel United Church (2083 Highway 3)  | Haldimand County    | 15              |
| Mount Carmel Cemetery (1300 Hutchinson Road) | Haldimand County    | 15              |
| 214 Gore A Road                              | Haldimand County    | 15              |
| 664 Marshagan/Regional Road 7                | Haldimand County    | 15              |
| 498 Elm Tree Road East                       | Town of Grimsby     | 19              |
| 276 Main Street East                         | Town of Grimsby     | 20              |
| 321 Main Street East                         | Town of Grimsby     | 20              |
| 326 Main Street East                         | Town of Grimsby     | 20              |

## 5 EVALUATION OF CULTURAL HERITAGE RESOURCES

---

A total of 111 cultural heritage resources (CHRs) have been identified which meet the criteria for cultural heritage value or interest as per O.Reg.9/06. A number of these CHRs are comprised of a collection of properties or individual resources which derive cultural heritage value or interest from their inter-relatedness or interaction with the surrounding natural landscape as outlined in the definition of cultural heritage landscape (Section 5.1). Due to the large scale of the Study Area, discussion of cultural heritage resources evaluations has been divided into six geographical areas presented in Sections 5.3 through 5.8. The Interconnector Study Area has been divided into three geographical areas: south, central and north and is presented in Section 5.9.

### 5.1 Policy Framework

**Built Heritage Resources** (BHRs) are defined as "one or more significant buildings, structures, monuments, installations or remains associated with architectural, cultural, social, political, economic or military history and identified as being important to a community. These resources may be identified through designation or heritage conservation easement under the *Ontario Heritage Act* (OHA), or listed by local, provincial or federal jurisdictions" (MTCS, 2006c).

**Cultural Heritage Landscapes** (CHL) for the purposes of this study are: "a defined geographical area of heritage significance which has been modified by human activities and is valued by a community. A landscape involves a grouping(s) of individual heritage features such as structures, spaces, archaeological sites and natural elements, which together form a significant type of heritage form, distinctive from that of its constituent elements or parts" (MTCS, 2006b).

There are three widely accepted types of cultural heritage landscapes (better known internationally as cultural landscapes). This typology was adopted by the United Nations Educational, Scientific and Cultural Organization (UNESCO) World Heritage Committee in the 1992 revisions to their Operational Guidelines which defines cultural landscapes as the "combined works of nature and of man" (UNESCO, 2008). The Operation Guidelines identify the three types as:

- **Designed Landscapes:** those which have been intentionally designed and created by man. (e.g., historic gardens and parks);
- **Evolved Landscapes:** this type includes both *relict* and *continuing* landscapes resulting from social, economic, administrative, and/or religious imperative and has developed into its present form as a result of its natural environmental context; and
- **Associative Landscapes:** those with powerful religious, artistic or cultural associations of the natural element rather than material or built cultural evidence.



All BHRs and CHLs identified during the course of this assessment have been assigned **Cultural Heritage Resource** (CHR) numbers (e.g., CHR-1).

## **5.2 Area 1**

Area 1 is roughly bounded by Smithville Road to the north, Vaughan Road to the south, Highway 30 and St. Ann's Road to the east, and Caistor-Gainsborough Townline to the west (Figure 11). Table 5 summarizes the evaluations of properties in Area 1 which satisfy the criteria for determining cultural heritage value or interest as outlined under O.Reg.9/06. Area 1 includes the following properties:

- 2474 Smithville Road, CHR-1;
- 2723 Port Davidson Road, CHR-2;
- 5777 Mataseje Road, CHR-3;
- 7058 Sixteen Road, CHR-4;
- 6500 Sixteen Road, CHR-5;
- 5798 Sixteen Road, CHR-6;
- 5711 Concession Road 4, CHR-7;
- 1500 Caistor-Gainsborough Townline Road, CHR-8;
- 6677 Silver Street, CHR-9;
- 6259 Silver Street, CHR-10;
- Smithville Christian Reformed Cultural Heritage Landscape, CHR-11;
- West Lincoln Grace United Church Cemetery, CHR-12;
- Bethel United Church and Winslow Cemetery, CHR-13;
- West Lincoln McCaffrey Cemetery, CHR-14; and
- Former Rail Line, CHR-15.

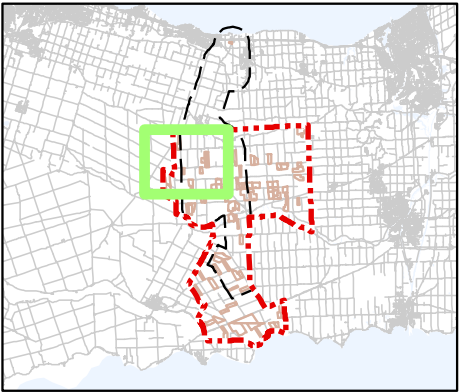


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Revised: 2013-04-02 By: sarcojers



## Legend

- Protected Property
- Cultural Heritage Resource
- Proposed Turbine Location
- Junction Box / Pad-Mounted Disconnect Switch
- Existing Met Tower
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Proposed Collector Line (underground or overhead)
- Temporary Laydown Area
- Potential Access Road
- Proposed Fibre Optic Line
- Transformer Substation
- Potential Construction Laydown Area
- Participating Property
- Interconnector Study Area
- Project Study Area



## Notes

- Coordinate System: NAD 1983 UTM Zone 17N).
- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.
- Orthoimagery source: First Base Solutions, Date: Spring 2010



**Stantec**

April, 2013  
160950269

Client/Project

Niagara Region Wind Corporation  
Niagara Region Wind Farm

Figure No.

11

Title

**Heritage Resources & Project Components  
Area 1**





Table 5: Evaluation of Cultural Heritage Resources and Landscapes, Area 1

| Cultural Heritage Resource Number | Property                | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                              | Rating         | Thumbnail (full-size photos in Appendix A)                                                           |
|-----------------------------------|-------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|
| CHR-1                             | 2474 Smithville Road    | Design or Physical        | One and a half storey, ell-shaped Gothic Revival farmhouse with associated contemporary agricultural outbuildings. Unique example of board and batten Gothic Revival style. Features: board and batten siding; enclosed front porch; and shaped window trim.                                                                                                               | meets criteria |  <p>Photo 1</p>   |
|                                   |                         | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                               |                |                                                                                                      |
|                                   |                         | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                                                                                                                         |                |                                                                                                      |
| CHR-2                             | 2723 Port Davidson Road | Design or Physical        | One and a half storey red brick farmhouse with bellcast curved roof extending over porch along front façade. Porch roof supported by four Doric columns, and features a cedar-shingled multiple-windowed dormer. Unique example in area of a bellcast roofline to create a substantial front porch.                                                                        | meets criteria |  <p>Photo 2</p>   |
|                                   |                         | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                               |                |                                                                                                      |
|                                   |                         | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                                                                                                                         |                |                                                                                                      |
| CHR-3                             | 5777 Mataseje Road      | Design or Physical        | One and a half storey Gothic Revival cottage with front pillared porch and large lancet window. Original features significantly modified. Not a rare, unique, early or representative example of a particular style, use of materials or method of construction. Does not demonstrate an unusually high degree of craftsmanship, artistic merit or scientific achievement. | meets criteria |  <p>Photo 3</p> |
|                                   |                         | Historical or Associative | Associated with Dr. J.W. Collver, a prominent local doctor in the mid- to late-19th century, who owned the property.                                                                                                                                                                                                                                                       |                |                                                                                                      |
|                                   |                         | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                                                                                                                         |                |                                                                                                      |



Table 5: Evaluation of Cultural Heritage Resources and Landscapes, Area 1

| Cultural Heritage Resource Number | Property          | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                   | Rating         | Thumbnail (full-size photos in Appendix A)                                                           |
|-----------------------------------|-------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|
| CHR-4                             | 7058 Sixteen Road | Design or Physical        | Two storey Gothic Revival farmhouse with associated barns and concrete block silo. Design features include shaped trim around 3-over-3 hung windows, scalloped frieze around bay window and gable bargeboard. Representative example of Gothic Revival farmhouse style in area. | meets criteria |  <p>Photo 4</p>   |
|                                   |                   | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                    |                |                                                                                                      |
|                                   |                   | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                              |                |                                                                                                      |
| CHR-5                             | 6500 Sixteen Road | Design or Physical        | One and a half storey Dutch Colonial Revival-inspired vernacular dwelling. Design features include: gambrel roof with projecting verges; modest front door and covered porch; and half-round attic ventilator. Relatively rare example of Dutch Colonial Revival in area.       | meets criteria |  <p>Photo 5</p>   |
|                                   |                   | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                    |                |                                                                                                      |
|                                   |                   | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                              |                |                                                                                                      |
| CHR-6                             | 5798 Sixteen Road | Design or Physical        | Two storey farmhouse. Design features include: hipped roof; prominent, central front door with sidelights; two bow windows on front façade; small balcony over front door; and bracketed eaves. A representative example of vernacular Edwardian Classicism.                    | meets criteria |  <p>Photo 6</p> |
|                                   |                   | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                    |                |                                                                                                      |
|                                   |                   | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                              |                |                                                                                                      |

Table 5: Evaluation of Cultural Heritage Resources and Landscapes, Area 1

| Cultural Heritage Resource Number | Property                                | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                        | Rating         | Thumbnail (full-size photos in Appendix A)                                                           |
|-----------------------------------|-----------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|
| CHR-7                             | 5711 Concession Road 4                  | Design or Physical        | One and a half storey gable-roofed cottage with one-storey rear addition. Unique use of plaster exterior cladding in the region.                                                                                                                                                                     | meets criteria |  <p>Photo 7</p>   |
|                                   |                                         | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                         |                |                                                                                                      |
|                                   |                                         | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                                                   |                |                                                                                                      |
| CHR-8                             | 1500 Caistor Gainsborough Townline Road | Design or Physical        | Two storey brick farmhouse on a square plan. Design features include: stone lintels; pyramidal roof; windows with shaped trim and brick voussoirs; bracketed eaves; and highly decorated wooden porch with second floor balcony. Representative example of Edwardian Classicism-inspired vernacular. | meets criteria |  <p>Photo 8</p>   |
|                                   |                                         | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                         |                |                                                                                                      |
|                                   |                                         | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                                                   |                |                                                                                                      |
| CHR-9                             | 6677 Silver Street                      | Design or Physical        | One and a half storey gable-roofed vernacular cottage with enclosed front porch. Central doorway and hipped dormer with two window bays reminiscent of Italianate design. Rare use of plaster siding for this area.                                                                                  | meets criteria |  <p>Photo 9</p> |
|                                   |                                         | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                         |                |                                                                                                      |
|                                   |                                         | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                                                   |                |                                                                                                      |



Table 5: Evaluation of Cultural Heritage Resources and Landscapes, Area 1

| Cultural Heritage Resource Number | Property                                                  | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rating         | Thumbnail (full-size photos in Appendix A)                                                                                                                                                    |
|-----------------------------------|-----------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CHR-10                            | 6259 Silver Street                                        | Design or Physical        | Two storey red brick farmhouse on square plan with associated agricultural outbuildings. Design features include pyramidal roof, stone lintels, and central open decorated porch. Boarded entrance indicates previous separate entrances for men and women, an element of Orthodox Mennonite design. Example of Pennsylvania Mennonite architecture.                                                                                                                                                                                                                                                                                                                                                                    | meets criteria |  <p>Photo 10</p>                                                                                           |
|                                   |                                                           | Historical or Associative | Associated with the settlement of Pennsylvania Mennonite families in the area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                                                                                                                                                                                               |
|                                   |                                                           | Contextual                | Consistent with character of the surrounding area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                                                                                                                                                                                               |
| CHR-11                            | Smithville Christian Reformed Cultural Heritage Landscape | Design or Physical        | A contemporary cultural heritage landscape which includes several institutions related to the Christian Reformed and Lutheran congregations. Although structures lack individual design value, they demonstrate a variety of modern design principles, including: use of precast concrete with facing blocks and metal flashing (Smithville District Christian High School, established 1980); monochromatic red brick with vertical-banded window bays (Smithville Christian Reformed Church, established 1975); reflections of traditional decorative brickwork with contrasting brick banding and quoins (Covenant Christian School, established 1988); and polychromatic brickwork (St. Matthew's Lutheran Church). | meets criteria |   <p>Photos 11-13</p> |
|                                   |                                                           | Historical or Associative | Associated with the late 20th century expansion of the local Christian community and the provision of its spiritual and educational needs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                                                                                                                                                                                               |
|                                   |                                                           | Contextual                | Comprises an evolved, continuing landscape which represents a contemporary religious community. Adjacent residential buildings are associated with the growth of nearby Smithville and do not contribute to the religious activity of the CHL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                                                                                                                                                                                               |

Table 5: Evaluation of Cultural Heritage Resources and Landscapes, Area 1

| Cultural Heritage Resource Number | Property                                                              | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Rating         | Thumbnail (full-size photos in Appendix A)                                                                                                                               |
|-----------------------------------|-----------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CHR-12                            | West Lincoln Grace United Church Cemetery Cultural Heritage Landscape | Design or Physical        | Clearly defined cultural landscape is an active cemetery that features legible gravestones dating back to 1879. Character-defining elements include: rock cairn memorial to the Great War; an assemblage of grave markers and gravestones on a flat terrain; and a mature willow. The cemetery boundary is delineated by a chainlink fence and a few large trees and bushes. There is a thickly forested area to the north and northeast of the cemetery.                                                                                                                                           | meets criteria |   |
|                                   |                                                                       | Historical or Associative | Associated with late 19th century development in the community. Extant grave markers have the potential to yield information about the community. The memorial rock cairn includes a plaque stating, "In proud and grateful memory of the men of this township who gave their lives for us in the Great War of 1914-1919. Erected by the Caistor Township Council of 1921. Erskine Lounsbury, Clark Swayze, William Saunders, Lloyd Adams, William Grant, Earl Packham, Fred Allan, James Orgar, Stanley Merritt. Greater Love hath no man than this that a man lay down his life for his friends." |                |                                                                                                                                                                          |
|                                   |                                                                       | Contextual                | Is functionally and historically linked to its surroundings through the interment of the local community. Also functions as a landmark.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                                                                                                                                                                          |

Photos 14-16



Table 5: Evaluation of Cultural Heritage Resources and Landscapes, Area 1

| Cultural Heritage Resource Number | Property                                                              | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rating         | Thumbnail (full-size photos in Appendix A)                                            |
|-----------------------------------|-----------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|
| CHR-13                            | Bethel United Church and Winslow Cemetery Cultural Heritage Landscape | Design or Physical        | CHR-13 straddles Silver Street, with church on north side and cemetery on south side of street. One storey gabled church with attached garage addition at rear. Design features of the church include: a few trees around the exterior of the church; rare use of plaster cladding in the area; three bay front facade featuring central wooden door with pointed, stained glass transom; flanking 2-over-4 stained glass windows; three bay side facade with 2-over-2 hung stained glass windows; and missing label stone. The cemetery is delineated by a chainlink fence and a few trees and bushes, and features: several grave markers; and relatively flat terrain. | meets criteria |    |
|                                   |                                                                       | Historical or Associative | Associated with late 19th century development in the community. Extant grave markers have the potential to yield information about the community.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                                                                       |
|                                   |                                                                       | Contextual                | Is functionally and historically linked to its surroundings through the interment of the local community. Also functions as a landmark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                                       |
|                                   |                                                                       |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | Photos 17-18                                                                          |
| CHR-14                            | West Lincoln McCaffrey Cemetery                                       | Design or Physical        | A clearly defined cultural landscape, cemetery features legible gravestones dating back to 1832. Cemetery is bordered by large, deciduous trees on three sides.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | meets criteria |  |
|                                   |                                                                       | Historical or Associative | Associated with late 19th century development in the community. Extant grave markers have the potential to yield information about the community.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                                                                       |
|                                   |                                                                       | Contextual                | Is functionally and historically linked to its surroundings through the interment of the local community. Also functions as a landmark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                                       |
|                                   |                                                                       |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | Photo 19                                                                              |

Table 5: Evaluation of Cultural Heritage Resources and Landscapes, Area 1

| Cultural Heritage Resource Number | Property         | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                 | Rating         | Thumbnail (full-size photos in Appendix A)                                          |
|-----------------------------------|------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|
| CHR-15                            | Former Rail Line | Design or Physical        | Former rail line converted into trail system. Attributes include a flat, narrow gravel path set in a generally open terrain. Not a rare, unique, early or representative example of a particular style, use of materials or method of construction. Does not demonstrate an unusually high degree of craftsmanship, artistic merit or scientific achievement. | meets criteria |  |
|                                   |                  | Historical or Associative | A linear cultural landscape associated with the establishment of the Dunnville extension of the Toronto, Hamilton & Buffalo Railway, completed in 1914.                                                                                                                                                                                                       |                |                                                                                     |
|                                   |                  | Contextual                | As a transportation corridor, the Former Rail Line is historically linked to its surroundings.                                                                                                                                                                                                                                                                |                |                                                                                     |
|                                   |                  |                           |                                                                                                                                                                                                                                                                                                                                                               |                | Photo 20                                                                            |



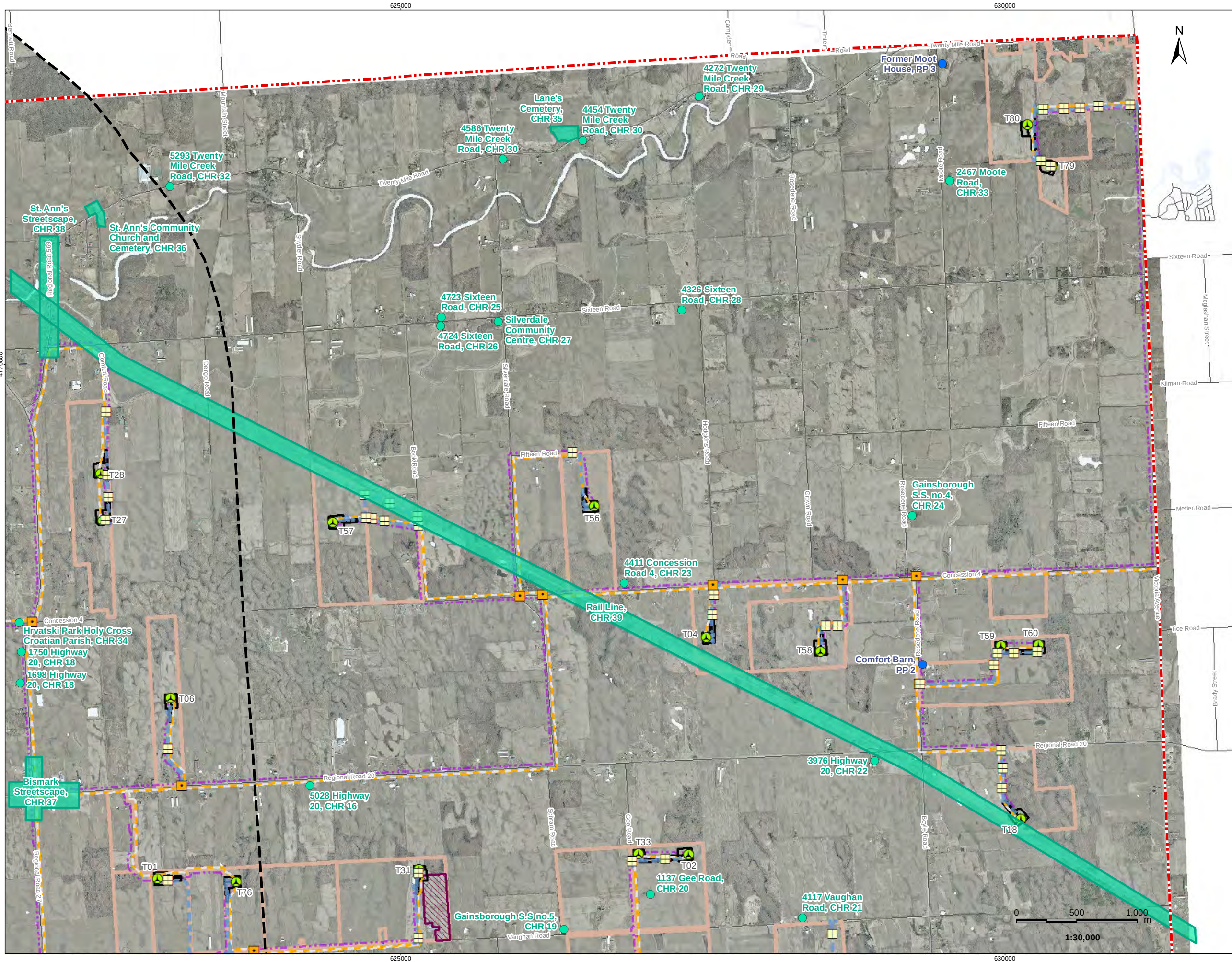
### **5.3 Area 2**

Area 2 is roughly bounded by Twenty Mile Creek Road to the north, Vaughan Road to the south, Victoria Avenue to the east, and Highway 30/Regional Road 27 to the west (Figure 12). Table 6 summarizes the evaluations of properties in Area 2 which satisfy the criteria for determining cultural heritage value or interest as outlined under O.Reg.9/06. Area 2 includes the following properties:

- 5028 Highway 20, CHR-16;
- 1698 Highway 20, CHR-17;
- 1750 Highway 20, CHR-18;
- Gainsborough S.S. No. 5, CHR-19;
- 1137 Gee Road, CHR-20;
- 4117 Vaughan Road, CHR-21;
- 3976 Highway 20, CHR-22;
- 4411 Concession Road 4, CHR-23;
- Gainsborough S.S. No. 4, CHR-24;
- 4723 Sixteen Road, CHR-25;
- 4724 Sixteen Road, CHR-26;
- Silverdale Community Centre, CHR-27;
- 4326 Sixteen Road, CHR-28;
- 4272 Twenty Mile Creek Road, CHR-29;
- 4454 Twenty Mile Creek Road, CHR-30;
- 4586 Twenty Mile Creek Road, CHR-31;
- 5293 Twenty Mile Creek Road, CHR-32;
- 2467 Moote Road, CHR-33;
- Hrvatski Park, CHR-34;
- Lane's Cemetery, CHR-35;
- St. Ann's Community Church and Cemetery, CHR-36;
- Bismark Streetscape, CHR-37;
- St. Ann's Streetscape, CHR-38; and
- Rail Line, CHR-39.

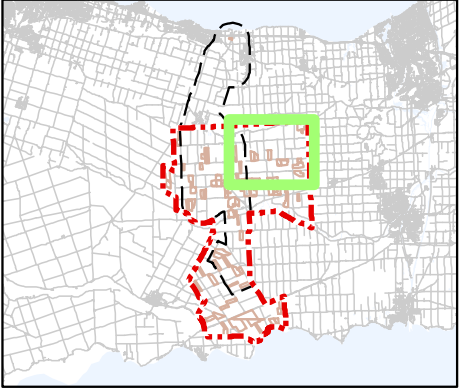


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Revised: 2013-04-02 By: sarogers



## Legend

- Protected Property
- Cultural Heritage Resource
- Proposed Turbine Location
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- Existing Met Tower
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- Preferred Transmission Line Route
- Alternate Transmission Line Route
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- Temporary Laydown Area
- Potential Access Road
- Proposed Fibre Optic Line
- Transformer Substation
- Potential Construction Laydown Area
- Participating Property
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## Notes

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- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.
- Orthoimagery source: First Base Solutions, Date: Spring 2010



**Stantec**

April, 2013  
160950269

Client/Project

Niagara Region Wind Corporation  
Niagara Region Wind Farm

Figure No.

12

Title

**Heritage Resources & Project Components  
Area 2**





Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property        | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                     | Rating             | Thumbnail (full-size photos in Appendix A)                                                            |
|-----------------------------------|-----------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------|
| CHR-16                            | 5028 Highway 20 | Design or Physical        | One and a half storey Gothic Revival cottage. Design features include: 2-over-2 hung gable window with semicircular glazing on head of upper sash; two interior chimneys at either end of the building; decorated bargeboard around central front porch and gables; faux brick cladding; and an offset front door. Representative example of the Gothic Revival vernacular style. | meets criteria     |  <p>Photo 21</p>   |
|                                   |                 | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                                      |                    |                                                                                                       |
|                                   |                 | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                                                                                       |                    |                                                                                                       |
| CHR-17                            | 1698 Highway 20 | Design or Physical        | Large, mid-19th century one and a half storey Gothic Revival farmhouse. Representative example of Gothic Revival-inspired design in area, which features: lancet window with sidelights; a half-round glassed attic window; highly decorative garden wall-style brickwork; and offset, enclosed porch with stone foundation and 3-over-1 windows.                                 | meets criteria     |  <p>Photo 22</p>   |
|                                   |                 | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                                      |                    |                                                                                                       |
|                                   |                 | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                                                                                       |                    |                                                                                                       |
| CHR-18                            | 1750 Highway 20 | Design or Physical        | Small, one storey brick public utility building on a square footprint. Building features hipped roof, central door and minor brick detailing at corners.                                                                                                                                                                                                                          | cannot be excluded |  <p>Photo 23</p> |
|                                   |                 | Historical or Associative | Associated with the 20th century rural electrification or development of telecommunications infrastructure. There is sufficient potential for it to possess historical or associative value to warrant its exclusion as a built heritage resource.                                                                                                                                |                    |                                                                                                       |
|                                   |                 | Contextual                | Does not contribute or maintain character of surrounding area in an integral way. Not physically, functionally, visually or historically linked to its surroundings in a demonstrable way. Not a landmark.                                                                                                                                                                        |                    |                                                                                                       |



Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property                | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                             | Rating         | Thumbnail (full-size photos in Appendix A)                                                           |
|-----------------------------------|-------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|
| CHR-19                            | Gainsborough S.S. No. 5 | Design or Physical        | One and a half storey gable-roofed red brick school house built 1883, now a residence. Design features include: cross-gabled belfry with bargeboard and finials; half-round label stone; round window with ornate mullion; and separate entrances for boys and girls.                                                                                                                     | meets criteria |  <p>Photo 24</p>  |
|                                   |                         | Historical or Associative | Associated with the development and education of the local community.                                                                                                                                                                                                                                                                                                                     |                |                                                                                                      |
|                                   |                         | Contextual                | Important in defining the character of the intersection of Vaughn Road and Schram Road as a place of conversion and of the rural landscape. Schools and other public buildings were often located at crossroads, transforming intersections into gathering places. Is historically linked to these surroundings. Functions as a landmark.                                                 |                |                                                                                                      |
| CHR-20                            | 1137 Gee Road           | Design or Physical        | Ell-shaped farmhouse with associated agricultural outbuildings, including several wooden barns and early 20th century concrete silos, on a wide setback. Not a rare, unique, early or representative example of a particular style, use of materials or method of construction. Does not demonstrate an unusually high degree of craftsmanship, artistic merit or scientific achievement. | meets criteria |  <p>Photo 25</p> |
|                                   |                         | Historical or Associative | Directly associated with Ezra Gee, an early settler to the area, historical owner of the property, and for whom Gee Road is named after. Associated with the early settlement of the area.                                                                                                                                                                                                |                |                                                                                                      |
|                                   |                         | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                                                                                               |                |                                                                                                      |

Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property          | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                  | Rating         | Thumbnail (full-size photos in Appendix A)                                                                   |
|-----------------------------------|-------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------|
| CHR-21                            | 4117 Vaughan Road | Design or Physical        | One storey workshop with frontier-style façade, 3-over-2 hung windows, and a faux brick cladding over horizontal shiplap wooden siding. Rare example of early to mid-20th century workshop in area.                                                                                                                                                                                                                                            | meets criteria |  <p>Photo 26</p>          |
|                                   |                   | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                                                              |
|                                   |                   | Contextual                | Does not contribute or maintain character of surrounding area in an integral way. Not physically, functionally, visually or historically linked to its surroundings in a demonstrable way. Not a landmark.                                                                                                                                                                                                                                     |                |                                                                                                              |
| CHR-22                            | 3976 Highway 20   | Design or Physical        | Two storey, T-shaped, gable-roofed brick farmhouse and associated agricultural outbuildings form an ell-shaped complex set on gentle slope. House design features include five bay front façade with 3-over-3 hung windows and skirt roof. Large, gambrel-roofed barn includes: four shed dormers with double doors and several window bays along ground floor. Massing and proximity to farmhouse make it a unique construction for the area. | meets criteria |  <p>Photos 27 and 28</p> |
|                                   |                   | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                                                              |
|                                   |                   | Contextual                | Given the massing and historical age of the buildings, as well as the prominent setting of the property, it could be considered a landmark.                                                                                                                                                                                                                                                                                                    |                |                                                                                                              |



Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property                | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rating         | Thumbnail (full-size photos in Appendix A)                                                                   |
|-----------------------------------|-------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------|
| CHR-23                            | 4411 Concession Road 4  | Design or Physical        | Two storey crescent-shaped Modernist residence, set back from road with a circular driveway. Central wing with wraparound balcony extends from second floor over carport. Full use of modern construction materials. A rare and representative example of Modernist architecture in area.                                                                                                                                                                                                                        | meets criteria |  <p>Photo 29</p>          |
|                                   |                         | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                                                                                                              |
|                                   |                         | Contextual                | Does not contribute or maintain character of surrounding area in an integral way. Not physically, functionally, visually or historically linked to its surroundings in a demonstrable way. Not a landmark.                                                                                                                                                                                                                                                                                                       |                |                                                                                                              |
| CHR-24                            | Gainsborough S.S. No. 4 | Design or Physical        | One and a half storey gable-roofed red brick school house built 1893. Design features include half-round label stone, shingled roof and overhanging eaves. Front façade features separate entrances for boys and girls, pair of rounded lancet windows stacked on trio of rounded lancet windows on first floor with stone lintels, pale brick voussoirs, and shaped transoms with stained glass lights. Side elevations features three 3-over-3 hung window bays with pale brick detailing around window heads. | meets criteria |  <p>Photos 30 and 31</p> |
|                                   |                         | Historical or Associative | Associated with the development and education of the local community.                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                              |
|                                   |                         | Contextual                | Quintessential one room schoolhouse defines and is historically linked to the rural landscape. Landmark.                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                                                                                              |

Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property                    | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                      | Rating         | Thumbnail (full-size photos in Appendix A)                                                            |
|-----------------------------------|-----------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------|
| CHR-25                            | 4723 Sixteen Road           | Design or Physical        | Two storey multi-gabled house. Design features include minor gable ornamentation with returned eaves, and rare use in area of fish scale-banded shingles.                                                                                                                                                                          | meets criteria |  <p>Photo 32</p>   |
|                                   |                             | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                       |                |                                                                                                       |
|                                   |                             | Contextual                | Does not contribute or maintain character of surrounding area in an integral way. Not physically, functionally, visually or historically linked to its surroundings in a demonstrable way. Not a landmark.                                                                                                                         |                |                                                                                                       |
| CHR-26                            | 4724 Sixteen Road           | Design or Physical        | Two storey house on square plan with hipped roof. Design features include: wraparound porch with Doric pillars and decorated pediment over doorway; shaped trim around hung wooden windows; gabled attic dormer with decorated trim; decorated frieze; and hipped roof. Representative example of Edwardian Classicism vernacular. | meets criteria |  <p>Photo 33</p>  |
|                                   |                             | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                       |                |                                                                                                       |
|                                   |                             | Contextual                | Does not contribute or maintain character of surrounding area in an integral way. Not physically, functionally, visually or historically linked to its surroundings in a demonstrable way. Not a landmark.                                                                                                                         |                |                                                                                                       |
| CHR-27                            | Silverdale Community Centre | Design or Physical        | One and a half storey gable-roofed building with extended front entrance, likely former schoolhouse or church. Building features cupola with finials, a stone foundation. Representative example of public institution building.                                                                                                   | meets criteria |  <p>Photo 34</p> |
|                                   |                             | Historical or Associative | Community centre is directly associated with public gatherings and other activities of significance to the community.                                                                                                                                                                                                              |                |                                                                                                       |
|                                   |                             | Contextual                | Is functionally linked to its surroundings as a place of congregation for the community. Landmark.                                                                                                                                                                                                                                 |                |                                                                                                       |



Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property                    | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                   | Rating         | Thumbnail (full-size photos in Appendix A)                                                           |
|-----------------------------------|-----------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|
| CHR-28                            | 4326 Sixteen Road           | Design or Physical        | Farm complex includes two storey Gothic Revival-inspired ell shaped farmhouse and drive-up/bank barn and silo. Barn is monumental in scale and features a stone foundation, gambrel roof and horizontal wood siding. A rare and early example of large bank barn construction in area.          | meets criteria |  <p>Photo 35</p>  |
|                                   |                             | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                    |                |                                                                                                      |
|                                   |                             | Contextual                | Farmscape is functionally and historically linked to its surroundings through rural, agricultural activities.                                                                                                                                                                                   |                |                                                                                                      |
| CHR-29                            | 4272 Twenty Mile Creek Road | Design or Physical        | One and a half storey ell-shaped Gothic Revival cottage and associated agricultural outbuildings. Design features include: unique diamond shingled roof; central brick chimney; bargeboard at gable and front porch; and 4-over-3 windows. Representative example of Gothic Revival vernacular. | meets criteria |  <p>Photo 36</p>  |
|                                   |                             | Historical or Associative | Associated with the Comfort family, historical owners of the property and early settlers to the area.                                                                                                                                                                                           |                |                                                                                                      |
|                                   |                             | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                     |                |                                                                                                      |
| CHR-30                            | 4454 Twenty Mile Creek Road | Design or Physical        | U-shaped two storey, multiple-gabled brick farmhouse, built 1874. Design features include covered central porch, and 2-over-2 windows with rounded heads.                                                                                                                                       | meets criteria |  <p>Photo 37</p> |
|                                   |                             | Historical or Associative | Associated with N.N. Lane, an early settler to the area, historical owner of the property, and after whom Lane Cemetery is named.                                                                                                                                                               |                |                                                                                                      |
|                                   |                             | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                     |                |                                                                                                      |

Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property                    | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rating         | Thumbnail (full-size photos in Appendix A)                                            |
|-----------------------------------|-----------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|
| CHR-31                            | 4586 Twenty Mile Creek Road | Design or Physical        | One and a half storey Dutch Revival-inspired cottage with associated wooden barns, split rail fence and paddock. House design features include: gambrel roof; central three window shedded dormer; plain pediment above central doorway supported by two sets of columns; and plaster cladding. Door features shaped transom and is flanked by set of double 3-over-3 hung windows on either side. Rare use of plaster cladding on a representative example of Dutch Revival. | meets criteria |    |
|                                   |                             | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                                                                                       |
|                                   |                             | Contextual                | Does not contribute or maintain character of surrounding area in an integral way. Not physically, functionally, visually or historically linked to its surroundings in a demonstrable way. Not a landmark.                                                                                                                                                                                                                                                                    |                |                                                                                       |
| CHR-32                            | 5293 Twenty Mile Creek Road | Design or Physical        | Two storey hipped roof brick farmhouse with associated garage. Design features include: stone foundation; three bays across second floor above central door with large flanking bay windows on front facade; decorated frieze; and plain stone lintels. Early example of Edwardian Classicism-inspired vernacular.                                                                                                                                                            | meets criteria |   |
|                                   |                             | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                                                                                       |
|                                   |                             | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                                       |
| CHR-33                            | 2467 Moote Road             | Design or Physical        | Large farm complex featuring a one and a half storey, multiple gable farmhouse with bellcast and skirt roof. Rare example of bellcast roof on vernacular farmhouse.                                                                                                                                                                                                                                                                                                           | meets criteria |  |
|                                   |                             | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                                                                                       |
|                                   |                             | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                                       |

Photo 38

Photo 39

Photo 40



Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property                                       | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                 | Rating         | Thumbnail (full-size photos in Appendix A)                                           |
|-----------------------------------|------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------|
| CHR-34                            | Hrvatski Park<br>Holy Cross<br>Croatian Parish | Design or Physical        | Parish picnic ground for Holy Cross Roman Catholic Church in Hamilton. Fenced-in complex of contemporary buildings with wide setback. Front gate features a modest stone and concrete cross monument.                                                                                         | meets criteria |   |
|                                   |                                                | Historical or Associative | Directly associated with the Holy Cross Roman Catholic Church in Hamilton. Has the potential to yield information on the Croatian community and religious network based on use of the site.                                                                                                   |                |                                                                                      |
|                                   |                                                | Contextual                | Does not contribute or maintain character of surrounding area in an integral way. Not physically, functionally, visually or historically linked to its surroundings in a demonstrable way. Not a landmark.                                                                                    |                |                                                                                      |
| CHR-35                            | Lane's Cemetery                                | Design or Physical        | Cemetery set on rolling hillside, used 1791-1959. A line of young, deciduous trees demarcates cemetery boundary. Landscape elements include: a stone mausoleum set into hill; several deciduous trees of varying maturity; winding gravel roadways throughout the cemetery; and gravemarkers. | meets criteria |  |
|                                   |                                                | Historical or Associative | Historically associated with John Lane, historic owner of the property. Further associated with the late 18th and 19th century development of the local community. Extant grave markers have the potential to yield information about the community.                                          |                |                                                                                      |
|                                   |                                                | Contextual                | Landmark.                                                                                                                                                                                                                                                                                     |                |                                                                                      |

Photo 41

Photos 42 and 43

Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property                                | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                         | Rating         | Thumbnail (full-size photos in Appendix A)                                                                                                                                  |
|-----------------------------------|-----------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CHR-36                            | St. Ann's Community Church and Cemetery | Design or Physical        | Large, multiple-gabled one and a half to two-storey church constructed in 1970s on or near site of former church on Twenty Mile Creek Road at St. Ann's. Design features include rectangular front elevation with large central peak and projecting square bell tower which originally housed an entrance. Cemetery located across the street from church on gently rolling terrain, delineated by a line of mature trees and bushes. | meets criteria | <br> |
|                                   |                                         | Historical or Associative | Associated with 19th century development of the local community, and in particular the St. Ann's Streetscape Cultural Heritage Landscape. Also associated with the Mennonite religious community.                                                                                                                                                                                                                                     |                |                                                                                                                                                                             |
|                                   |                                         | Contextual                | Landmark. Functionally and historically linked to the surrounding community as a religious and social gathering place.                                                                                                                                                                                                                                                                                                                |                |                                                                                                                                                                             |

Photos 44-47



Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property                                        | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rating         | Thumbnail (full-size photos in Appendix A)                                           |
|-----------------------------------|-------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------|
| CHR-37                            | Bismark Streetscape Cultural Heritage Landscape | Design or Physical        | A primarily residential cultural landscape centred on the intersection of Silver Street and Highway 27. The Settlement includes: a church and associated cemetery (Bismark United Church, founded 1841); several 19th century residential and agricultural buildings; contemporary infill that includes residential; and agricultural structures and a school (Gainsborough Public School, built 1965). Other character-defining elements include a road diversion constructed in 1933. | meets criteria |   |
|                                   |                                                 | Historical or Associative | Associated with the settlement of German immigrants in the area in mid-19th century, including Christian Sunday who founded the settlement in 1830.                                                                                                                                                                                                                                                                                                                                     |                |   |
|                                   |                                                 | Contextual                | A continuing evolved landscape which defines the character of Bismark as crossroads settlement and a social hub for the surrounding rural community, although its importance as a commercial centre has lapsed. The Bismark Streetscape is both functionally and historically linked to its surroundings.                                                                                                                                                                               |                |  |
|                                   |                                                 |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | Photos 48-51                                                                         |

Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property                                          | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Rating         | Thumbnail (full-size photos in Appendix A)                                           |
|-----------------------------------|---------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------|
| CHR-38                            | St. Ann's Streetscape Cultural Heritage Landscape | Design or Physical        | A primarily residential streetscape located along St. Ann's Road south of Twenty Mile Creek Road. Topography is characterized by generally flat terrain which slopes down to Twenty Mile Creek. The former Toronto Hamilton & Buffalo Rail line intersects the streetscape at an angle south of the Creek. Character defining elements include several narrowly setback 19th century residential buildings located along St. Ann's Road on either side of Twenty Mile Creek, including a large barn associated with a 19th century inn. A contemporary subdivision has been constructed to the east of the streetscape along Twenty Mile Creek Road. Although not part of the streetscape, the St. Ann's Community Church and Cemetery located nearby on Twenty Mile Creek Road are associated with the settlement. | meets criteria |   |
|                                   |                                                   | Historical or Associative | Associated with Ann Frease Snyder, wife of Adam Snyder, who first settled in the area, built a gristmill, and named the settlement after her. Also associated with late 18th century German immigration from the United States and local historical settlement and development. Has the potential to yield information about early settlement and development patterns in region through generally intact composition and character of streetscape.                                                                                                                                                                                                                                                                                                                                                                 |                |  |
|                                   |                                                   | Contextual                | Streetscape comprises an evolved cultural landscape. Although historical industrial and commercial activity has ceased, the streetscape continues to reflect the residential character of a small village which contrasts with the rural, agricultural character of the neighbouring area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | Photos 52-54                                                                         |



Table 6: Evaluation of Cultural Heritage Resources and Landscapes, Area 2

| Cultural Heritage Resource Number | Property  | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                        | Rating         | Thumbnail (full-size photos in Appendix A)                                          |
|-----------------------------------|-----------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|
| CHR-39                            | Rail line | Design or Physical        | Active rail line, featuring a single set of tracks on a gravel bed. Not a rare, unique, early or representative example of a particular style, use of materials or method of construction. Does not demonstrate an unusually high degree of craftsmanship, artistic merit or scientific achievement. | meets criteria |  |
|                                   |           | Historical or Associative | A linear cultural landscape, the railway is historically associated with the former Toronto Hamilton & Buffalo Railroad and related themes of local economic development, nation-building, and transportation.                                                                                       |                |                                                                                     |
|                                   |           | Contextual                | As a transportation route, the rail line is historically linked to its surroundings.                                                                                                                                                                                                                 |                |                                                                                     |
|                                   |           |                           |                                                                                                                                                                                                                                                                                                      |                | Photo 55                                                                            |

## **5.4 Area 3**

Area 3 is roughly bounded by Vaughan Road to the north, Canborough Road and Dunn-Wainfleet Townline Road to the south, Regional Road 27 and Sideroad 44 to the east, and Caistor-Gainsborough Townline and Marshagan Road to the west (Figure13). Table 7 summarizes the evaluations of properties in Area 3 which satisfy the criteria for determining cultural heritage value or interest as outlined under O.Reg.9/06. Area 3 includes the following properties:

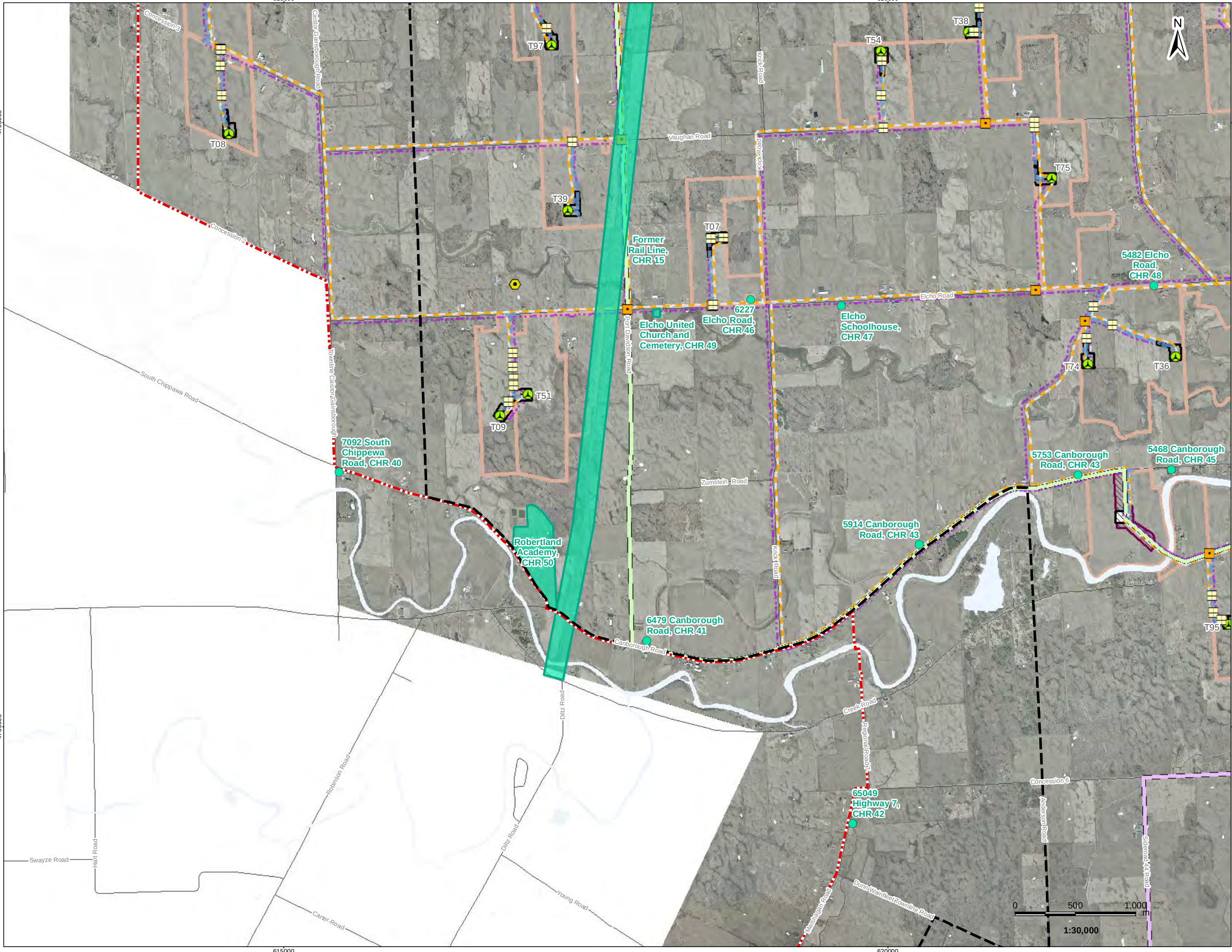
- 7092 South Chippewa Road, CHR-40;
- 6479 Canborough Road, CHR-41;
- 65049 Highway 7, CHR-42;
- 5914 Canborough Road, CHR-43;
- 5753 Canborough Road, CHR-44;
- 5468 Canborough Road, CHR-45;
- 6227 Elcho Road, CHR-46;
- Elcho Schoolhouse, CHR-47;
- 5482 Elcho Road, CHR-48;
- Elcho United Church and Cemetery, CHR-49; and
- Robertland Academy, CHR-50.





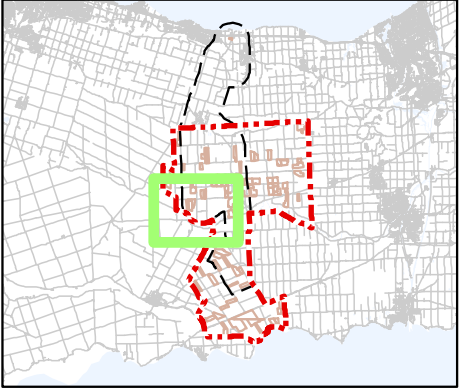


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Revised: 2013-04-02 By: sarngers



## Legend

- Protected Property
- Cultural Heritage Resource
- Proposed Turbine Location
- Junction Box / Pad-Mounted Disconnect Switch
- Existing Met Tower
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Proposed Collector Line (underground or overhead)
- Temporary Laydown Area
- Potential Access Road
- Proposed Fibre Optic Line
- Transformer Substation
- Potential Construction Laydown Area
- Participating Property
- Interconnector Study Area
- Project Study Area



## Notes

- Coordinate System: NAD 1983 UTM Zone 17N).
- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2012.
- Orthoimagery source: First Base Solutions, Date: Spring 2010



**Stantec**

April, 2013  
160950269

Client/Project

Niagara Region Wind Corporation  
Niagara Region Wind Farm

Figure No.

13

Title

**Heritage Resources & Project Components  
Area 3**

0 500 1,000 m  
1:30,000





Table 7: Evaluation of Cultural Heritage Resources and Landscapes, Area 3

| Cultural Heritage Resource Number | Property                 | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                         | Rating         | Thumbnail (full-size photos in Appendix A)                                            |
|-----------------------------------|--------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|
| CHR-40                            | 7092 South Chippewa Road | Design or Physical        | Two storey T-shaped farmhouse. Design features include: chimney in centre of roof; wraparound porch with minor bargeboard detailing; kneewall windows; and a cluster of three small attic windows in a closed gable. An early and representative example of Edwardian Classicism-inspired vernacular housing.         | meets criteria |    |
|                                   |                          | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                          |                |                                                                                       |
|                                   |                          | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                           |                |                                                                                       |
| Photo 56                          |                          |                           |                                                                                                                                                                                                                                                                                                                       |                |                                                                                       |
| CHR-41                            | 6479 Canborough Road     | Design or Physical        | One and a half storey gabled Georgian with associated outbuilding. Design features include: two gable-end chimneys; returned eaves; five bays across front facade featuring central door with multiple transom lights; and two bays along side elevations. A rare example of Georgian-style architecture in the area. | meets criteria |    |
|                                   |                          | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                          |                |                                                                                       |
|                                   |                          | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                           |                |                                                                                       |
| Photo 57                          |                          |                           |                                                                                                                                                                                                                                                                                                                       |                |                                                                                       |
| CHR-42                            | 65049 Highway 7          | Design or Physical        | One storey, hipped roof barn and associated residential and agricultural buildings. Rare example of a one storey, hipped roof barn with vertical beam and plaster cladding and overhanging, bracketed eaves.                                                                                                          | meets criteria |  |
|                                   |                          | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                          |                |                                                                                       |
|                                   |                          | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                           |                |                                                                                       |
| Photo 58                          |                          |                           |                                                                                                                                                                                                                                                                                                                       |                |                                                                                       |



Table 7: Evaluation of Cultural Heritage Resources and Landscapes, Area 3

| Cultural Heritage Resource Number | Property             | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                | Rating         | Thumbnail (full-size photos in Appendix A)                                                            |
|-----------------------------------|----------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------|
| CHR-43                            | 5914 Canborough Road | Design or Physical        | One and a half storey Gothic Revival cottage. Design features include bargeboarding, and shaped trim around windows and doors. Dual front entrances are a design features associated with Pennsylvania Mennonites. Rare example of Pennsylvania Mennonite design.                                                                            | meets criteria |  <p>Photo 59</p>   |
|                                   |                      | Historical or Associative | Associated with local settlement of Pennsylvania Mennonites.                                                                                                                                                                                                                                                                                 |                |                                                                                                       |
|                                   |                      | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                                                  |                |                                                                                                       |
| CHR-44                            | 5753 Canborough Road | Design or Physical        | One and a half storey brick Gothic Revival cottage. Design features include: porch across front facade with bargeboard and wooden columns; and stone lintels and keystones on window. Presence of bricked up second front door is a design feature associated with Pennsylvania Mennonites. A rare example of Pennsylvania Mennonite design. | meets criteria |  <p>Photo 60</p>  |
|                                   |                      | Historical or Associative | Associated with local settlement of Pennsylvania Mennonites.                                                                                                                                                                                                                                                                                 |                |                                                                                                       |
|                                   |                      | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                                                  |                |                                                                                                       |
| CHR-45                            | 5468 Canborough Road | Design or Physical        | Two storey multiple-gabled brick farmhouse on narrow lot along Chippewa Creek (Welland River), near Wellandport. Design features include white stone quoins, wraparound porch, and associated outbuilding. Rare use of stone quoin detailing in the area.                                                                                    | meets criteria |  <p>Photo 61</p> |
|                                   |                      | Historical or Associative | Associated with the Dils family, historic owners of the property and early settlers in the area.                                                                                                                                                                                                                                             |                |                                                                                                       |
|                                   |                      | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                                                                                  |                |                                                                                                       |

Table 7: Evaluation of Cultural Heritage Resources and Landscapes, Area 3

| Cultural Heritage Resource Number | Property          | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                            | Rating         | Thumbnail (full-size photos in Appendix A)                                                           |
|-----------------------------------|-------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------|
| CHR-46                            | 6227 Elcho Road   | Design or Physical        | One and a half storey ell-shaped Gothic Revival farmhouse with associated agricultural outbuilding. Design features include: a bay window with bracketed eaves; gable bargeboarding; and shaped trim around windows and bay window. Representative example of Gothic Revival vernacular. | meets criteria |  <p>Photo 62</p>  |
|                                   |                   | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                             |                |                                                                                                      |
|                                   |                   | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                              |                |                                                                                                      |
| CHR-47                            | Elcho Schoolhouse | Design or Physical        | One storey gable-roofed schoolhouse with wooden belfry, brick chimney, and four bay side elevations. Front façade features a central window, and offset front door suggests there may have been two doors originally. Representative example of educational institution design.          | meets criteria |  <p>Photo 63</p>  |
|                                   |                   | Historical or Associative | Associated with the development and education of the local community.                                                                                                                                                                                                                    |                |                                                                                                      |
|                                   |                   | Contextual                | Landmark.                                                                                                                                                                                                                                                                                |                |                                                                                                      |
| CHR-48                            | 5482 Elcho Road   | Design or Physical        | Two storey stone farmhouse on square plan with associated agricultural outbuildings. Rare use of stone in construction of residence.                                                                                                                                                     | meets criteria |  <p>Photo 64</p> |
|                                   |                   | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                             |                |                                                                                                      |
|                                   |                   | Contextual                | Consistent with the character of the surrounding landscape.                                                                                                                                                                                                                              |                |                                                                                                      |



Table 7: Evaluation of Cultural Heritage Resources and Landscapes, Area 3

| Cultural Heritage Resource Number | Property                         | O.Reg. 9/06 Criteria      | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Rating         | Thumbnail (full-size photos in Appendix A)                                           |
|-----------------------------------|----------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------|
| CHR-49                            | Elcho United Church and Cemetery | Design or Physical        | One and a half storey brick church with one storey side addition to rear, and associated cemetery, situated on the banks of Beaver Creek. Features three bay front façade with rounded windows and set of wooden double doors with shaped transom. Representative and early example of religious architecture in area. Cemetery features headstones set in a terrain which gently slopes to creek, and is bounded by line of deciduous trees and bushes which provide moderate to heavy tree cover along the northern and eastern boundaries of the cemetery, moderate tree cover along the southern and southwest boundaries, and little to no tree cover along the northwestern boundary of the cemetery. | meets criteria |   |
|                                   |                                  | Historical or Associative | Associated with 19th century development of the local community. Extant grave markers have the potential to yield information about the community.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                                                                                      |
|                                   |                                  | Contextual                | Landmark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                                                                                      |
| CHR-50                            | Robertland Academy               | Design or Physical        | Canada's only military-style private boarding school for boys, Robertland Academy was established in 1978. Site features complex of several low, long, barrack-style buildings set in generally flat, open, terrain with a few trees. A unique example of private boarding school modeled after a military complex. Site is bounded by agricultural fields, a large wooded lot, and the Chippewa Creek (Welland River).                                                                                                                                                                                                                                                                                     | meets criteria |  |
|                                   |                                  | Historical or Associative | No known associations which satisfy criterion 2, O.Reg.9/06.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                                                                                      |
|                                   |                                  | Contextual                | As a large educational complex located along a small rural road, the property functions as a landmark.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                                                                                      |
|                                   |                                  |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                | Photos 65-67                                                                         |
|                                   |                                  |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                | Photo 68                                                                             |

## **5.5 Area 4**

Area 4 is roughly bounded by Vaughan Road to the north, Riverside Drive and Concession 6 to the south, Victoria Avenue to the east, and Regional Road 27 to the west (Figure 14). Table 8 summarizes the evaluations of properties in Area 4 which satisfy the criteria for determining cultural heritage value or interest as outlined under O.Reg.9/06. Area 4 includes the following properties:

- 74221 Creek Road, CHR-51;
- 1187 Heaslip Road, CHR-52;
- Bethel Community Church, CHR-53;
- 3974 Canborough Road, CHR-54;
- Boyle Brethren in Christ Church, CHR-55;
- 5205 Freure Road, CHR-56;
- 84004 Highway 4, CHR-57;
- Riverside Christian Reformed Church, CHR-58;
- Wellandport United Reform Church, CHR-59;
- 74015 Highway 4, CHR-60;
- 83610 Old River Road West, CHR-61;
- Wellandport Church of Christ, CHR-62;
- 72587 River Road, CHR-63;
- 72170 River Road, CHR-64;
- Wellandport Streetscape, CHR-65;
- Wellandport/Riverside Cemetery, CHR-66; and
- 4891 Canborough Road, CHR-67.



