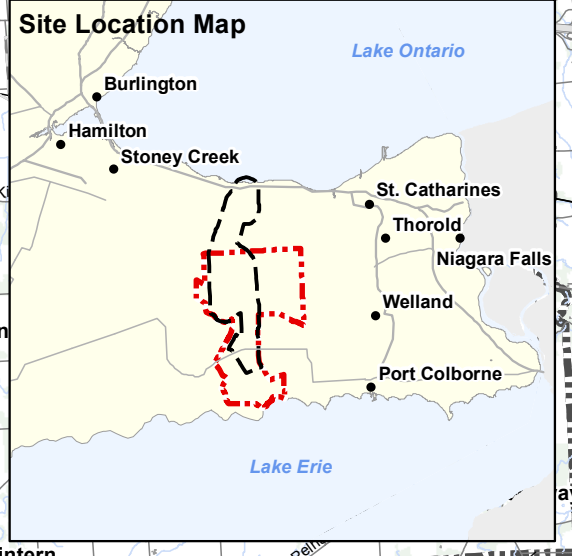
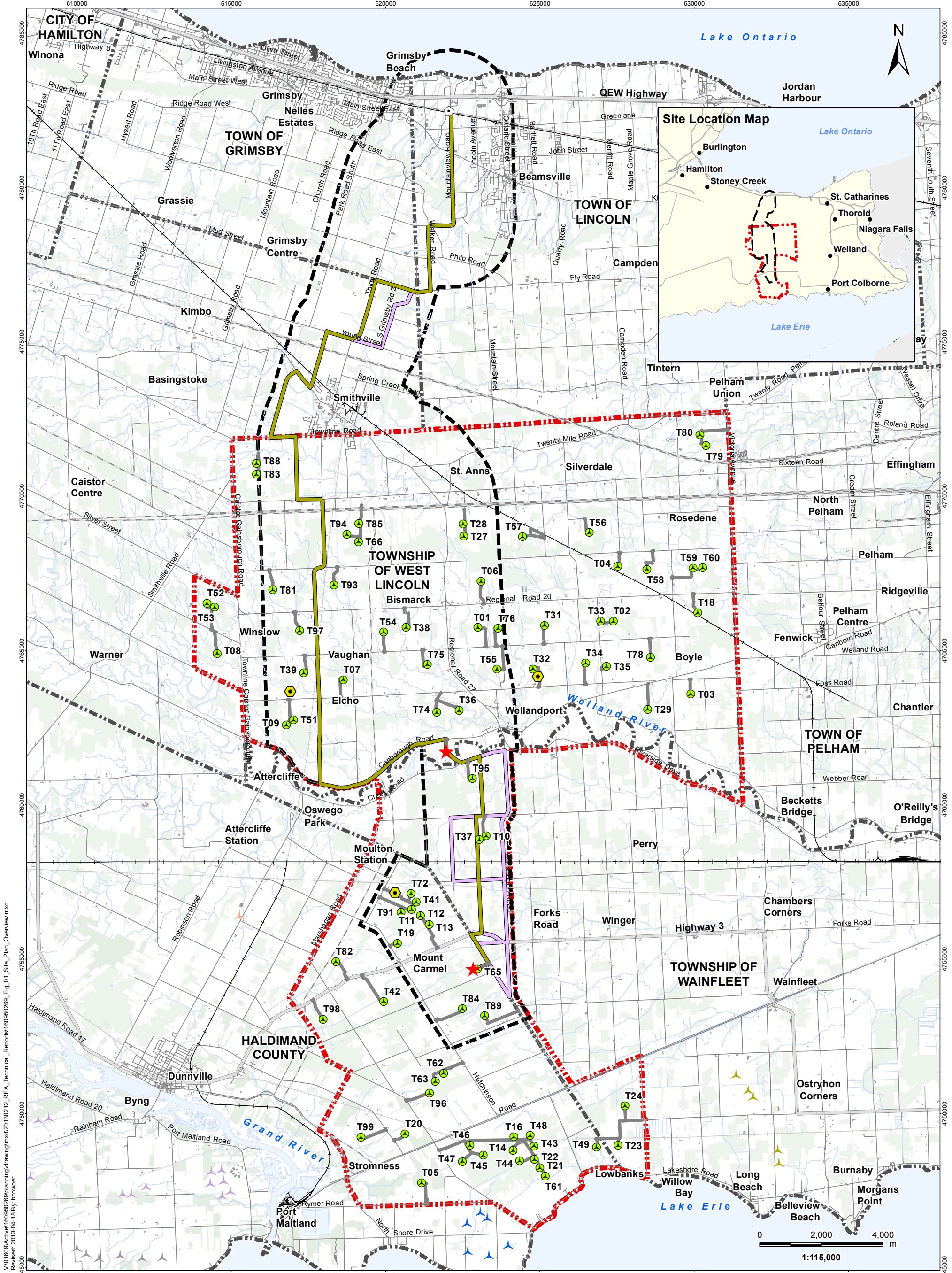


# **Appendix A**

## **Figures**



V:\101609\Actives\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_01\_Site\_Plan\_Overview.mxd  
 Revised: 2013-04-18 By: bczwper



**Legend**

- |                              |                            |  |
|------------------------------|----------------------------|--|
| Project Study Area           | Road                       | Other Wind Turbines                      |
| Interconnector Study Area    | Expressway / Highway       | Mohawk Wind Farm (Existing)              |
| Proposed Turbine Location    | Active Railway             | Rosa Flora Turbine (Existing)            |
| Potential Access Road        | Abandoned Railway          | Wainfleet Wind Energy Project (Proposed) |
| Transformer Substation       | Existing Structures        | HAF Wind Energy Project (Proposed)       |
| Tap-in Location              | Existing Transmission Line | Grand Renewable Energy Project           |
| Existing Met Tower           | Watercourse                | Other Wind Farm Projects                 |
| Preferred Transmission Route | Waterbody                  |  |
| Alternate Transmission Route | Wooded Area                |  |
|                              | Municipality Lower Tier    |  |

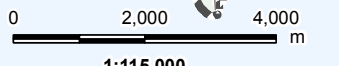
Client/Project  
 Niagara Region Wind Corporation  
 Niagara Region Wind Farm

Figure No.  
 1

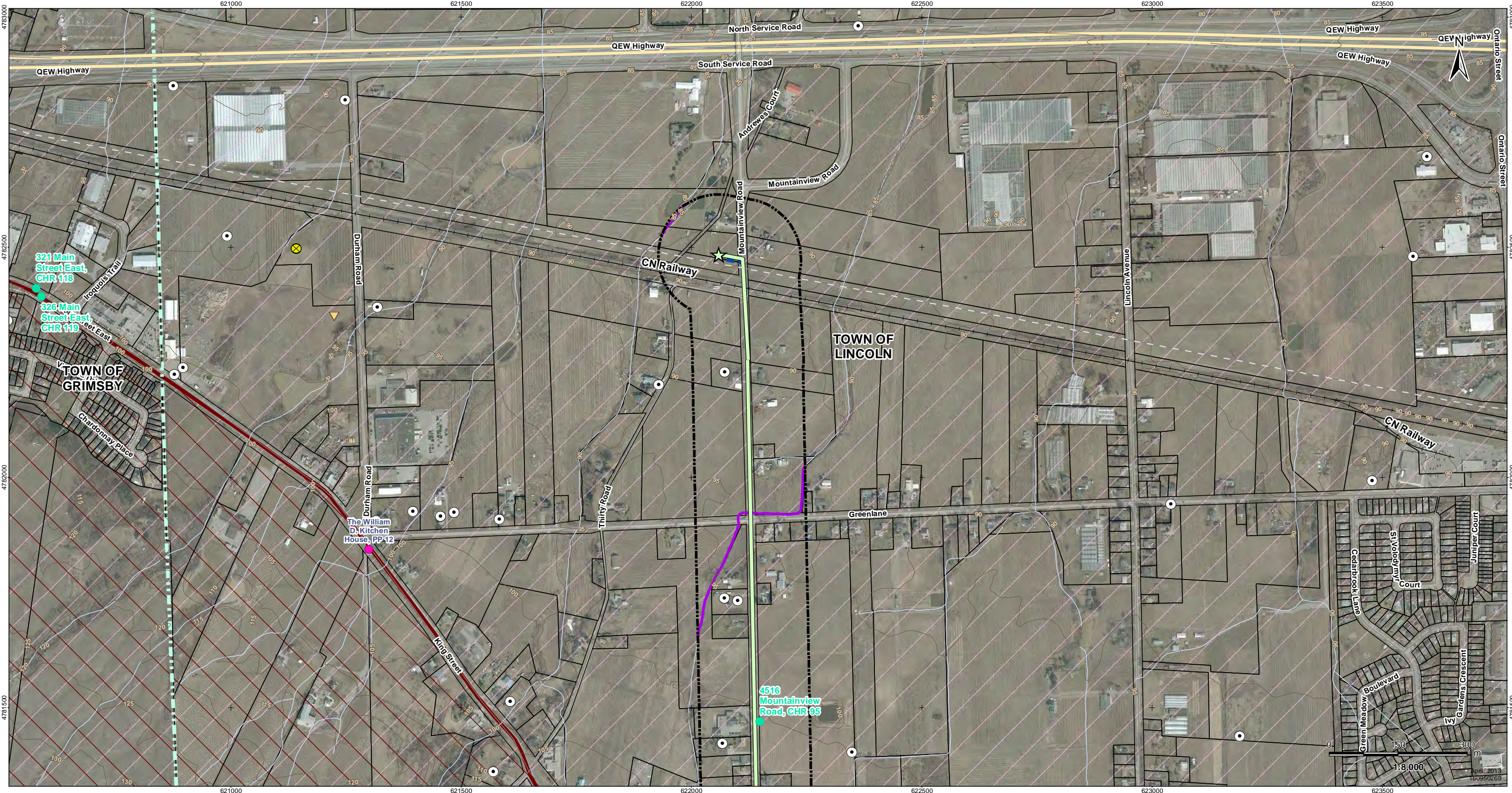
Title  
**Overview Site Plan**

**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.



April 2013  
 160950269



V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper

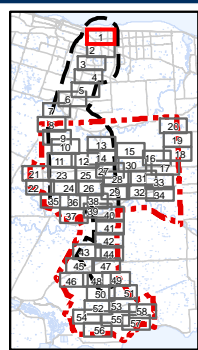


**Legend**

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|---|--|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|---|--|

**Notes**

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3. Orthimagery source: First Base Solutions, Date Spring 2010.
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5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.

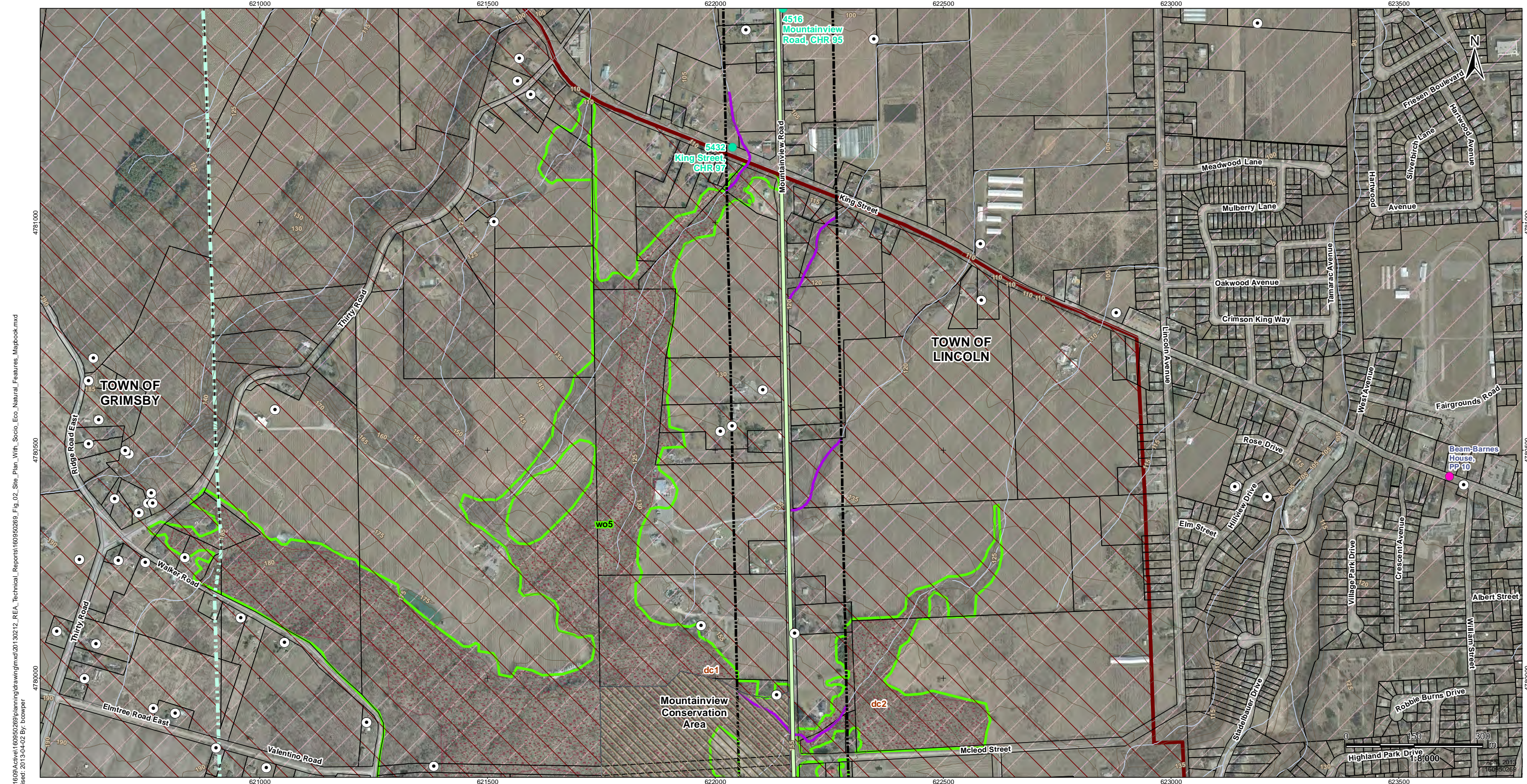


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.1

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.1

April, 2013  
160950269



V:\01609\Active\1609502689\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\1609502689\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcompwr

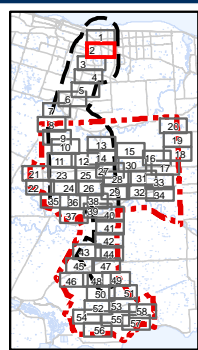


**Legend**

- |   |  |  |  |  |  |
|---|--|--|--|--|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|--|--|

**Notes**

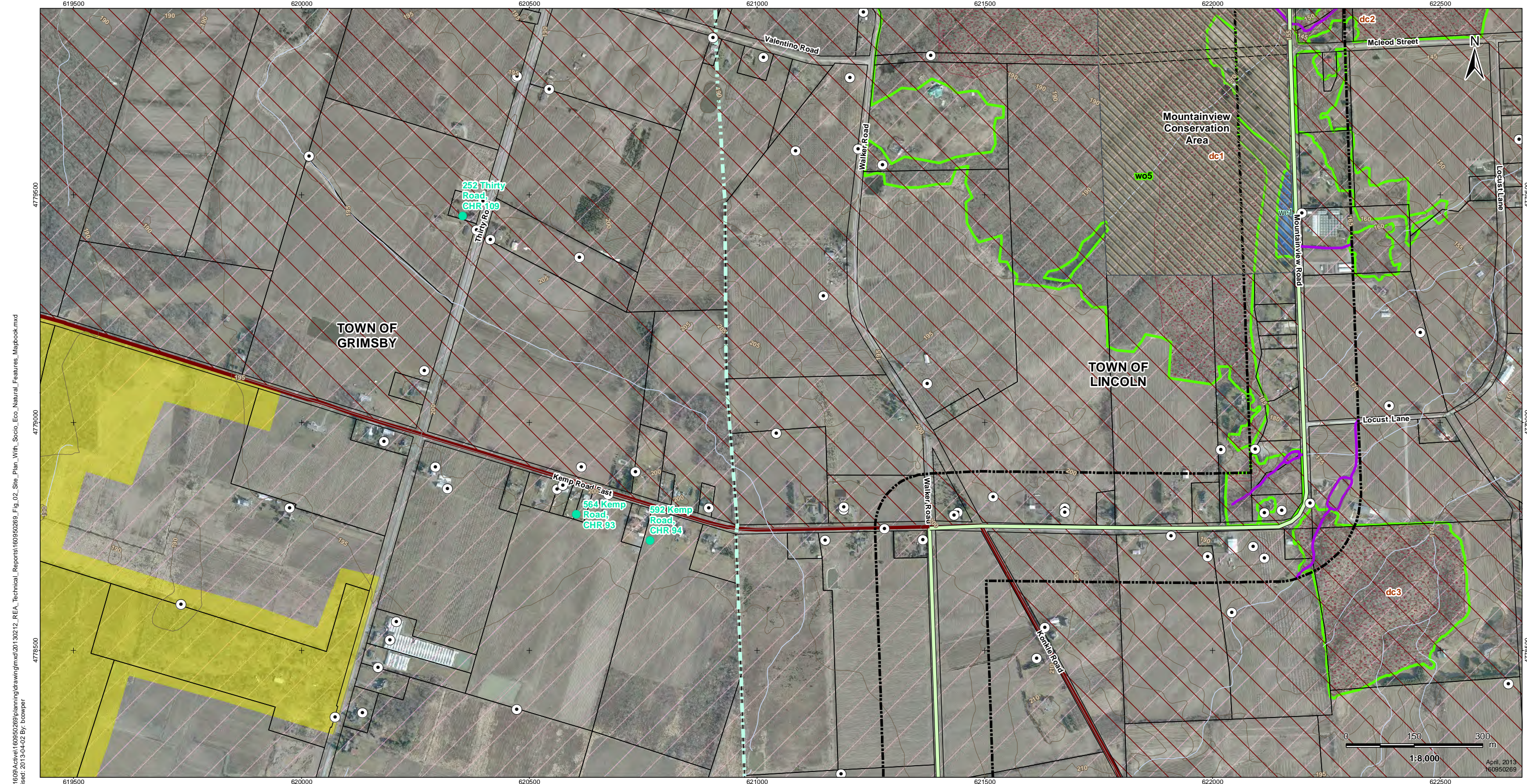
1. Coordinate System: NAD 1983 UTM Zone 17N).
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3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
Niagara Region Wind Corporation

Figure No.  
**2.2**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.2**



V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper

### Legend

<ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul>	<ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul>	<ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul>	<ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul>	<ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul>	<ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul>
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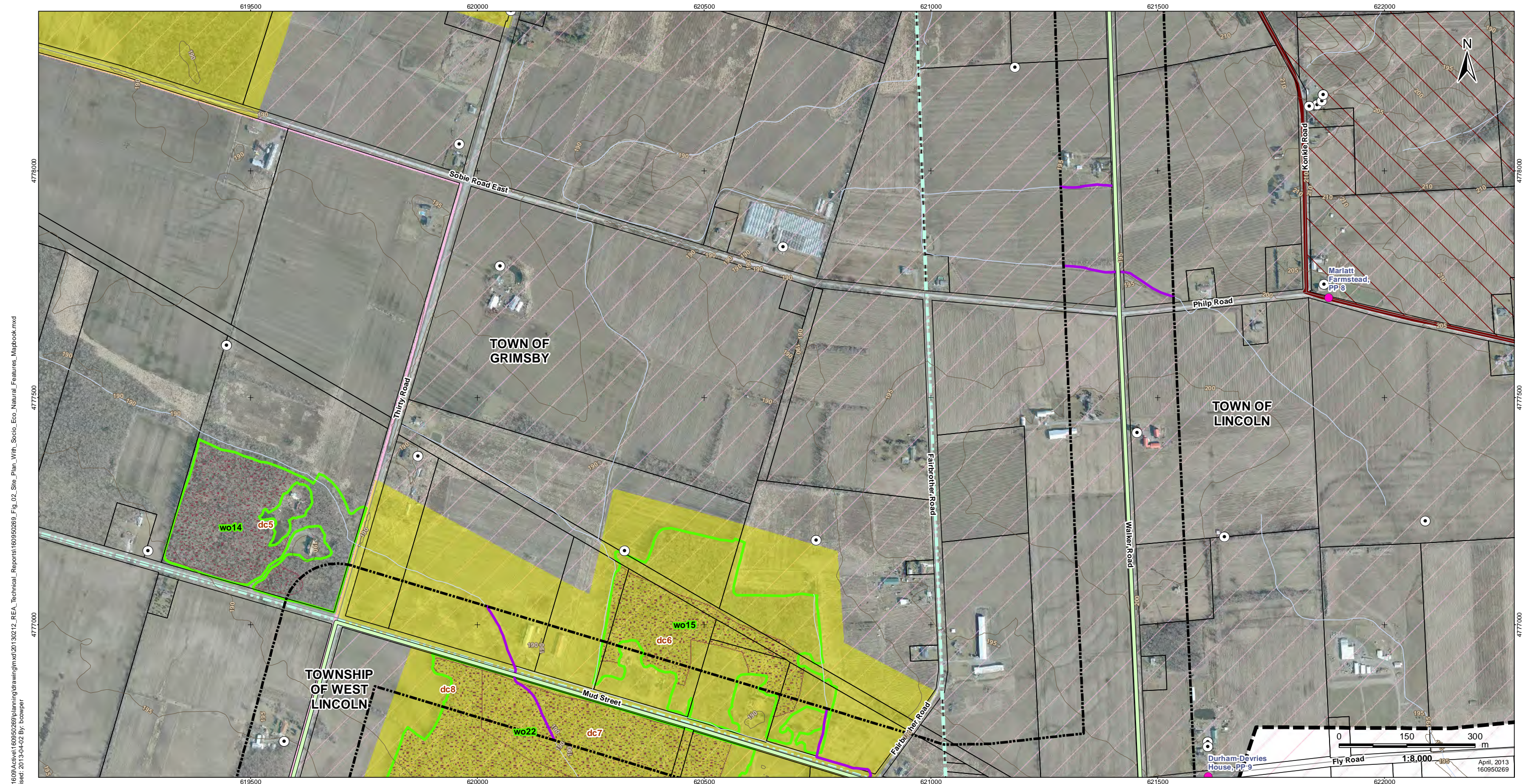
Client/Project  
Niagara Region Wind Corporation

Figure No.  
**2.3**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.3**

#### Notes

1. Coordinate System: NAD 1983 UTM Zone 17N).
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 Revised: 2013-04-02 By: bcompwr

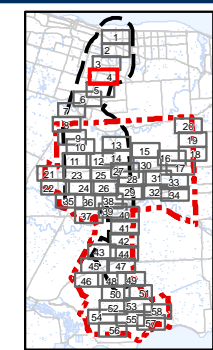


**Legend**

- |   |  |   |  |  |  |
|---|--|---|--|--|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSLS)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|---|--|--|--|

**Notes**

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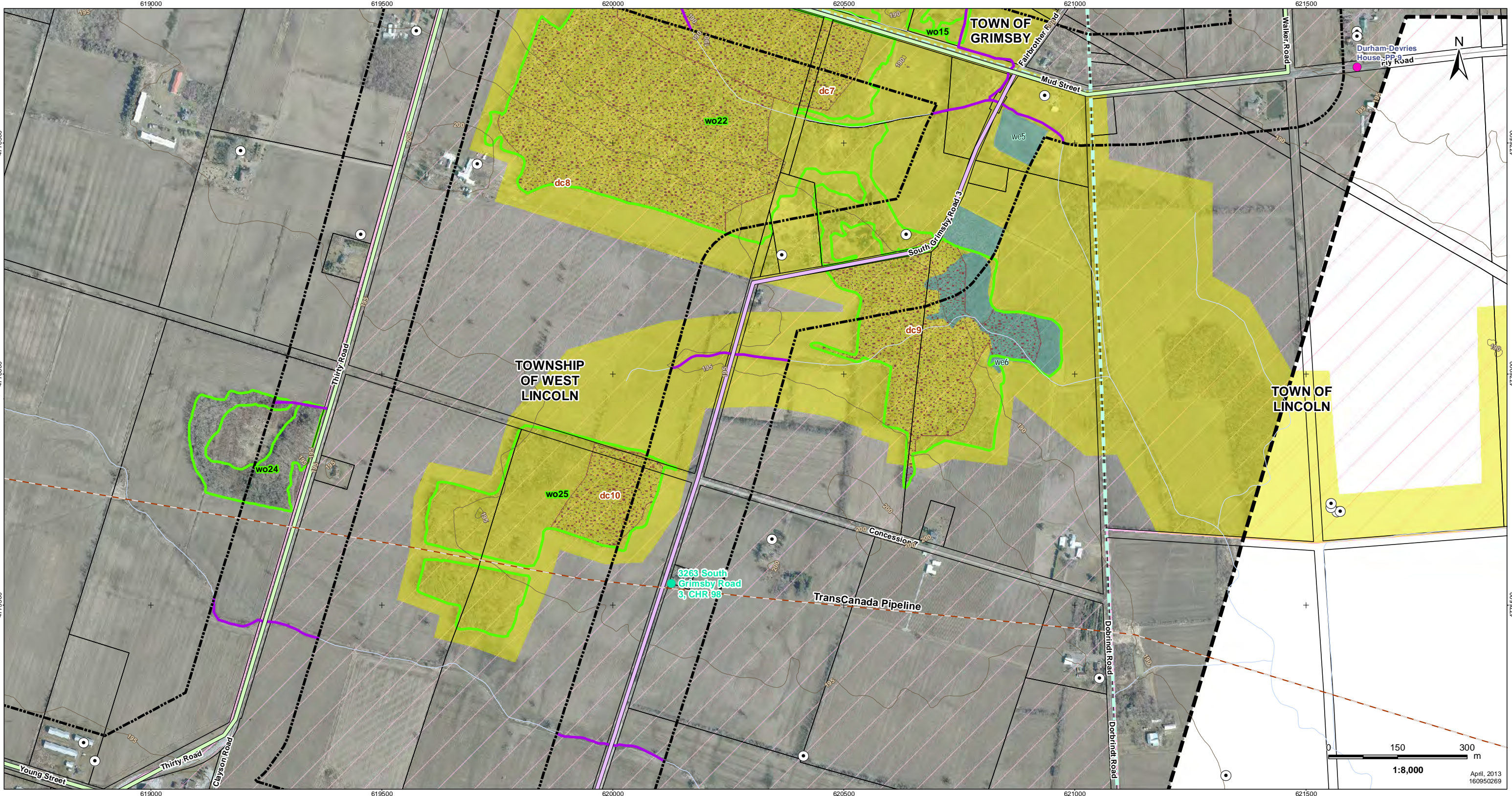
Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.4

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.4**

April, 2013  
160950269

V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper



### Legend

Project Study Area	Temporary Laydown Area	Existing Transmission Line	Snake Hibernacula	Significant Natural Features	Non-participating Receptors 5
Interconnector Study Area	Collector Lines - Underground or Overhead	Pipeline	Snake Hibernacula 30m Buffer	Wetland Communities	Occupied
120m Zone of Investigation	Fibre Optic Line	Topographic Contour (mAMSL)	Raptor Wintering Areas	ANSI, Earth Science, Provincially Significant (MNR)	Vacant
Proposed Turbine Location	Potential Access Road	Watercourse (MNR)	Deer Congregation Areas (MNR) (Generalized)	ANSI, Life Science, Provincially Significant (MNR)	Participating Noise Receptors 5
Turbine Blade Length	Access Road 20m Construction Area	Waterbody (Stantec)	Wetland Amphibian Breeding Habitat	Protected Property	Occupied
Tap-in Location	Potential Construction Laydown Area	Property Boundary	Woodland Amphibian Breeding Habitat	Cultural Heritage Resource	Vacant
Transformer Substation Location	Transformer Substation	Municipality Lower Tier	Other Rare Vegetation Community	Landfill - Active (MOE)	
Junction Box	Existing Features	Niagara Escarpment Plan Area (NEC)	Landbird Migratory Stopover	Landfill - Closed (MOE)	
Proposed Culvert	Road	Greenbelt Natural Heritage System	Turtle Nesting Habitat/ Snapping Turtle Habitat	Petroleum Well (OGSR) 4	
Preferred Transmission Line Route	Expressway / Highway	Conservation Areas (NPCA)	Turtle Habitat 30m Buffer	Water Well (MOE) 5	
Alternate Transmission Line Route	Unopened Road Allowance	Greenbelt Plan Area (MMAH)	Turtle Wintering Area		

### Notes

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1:8,000

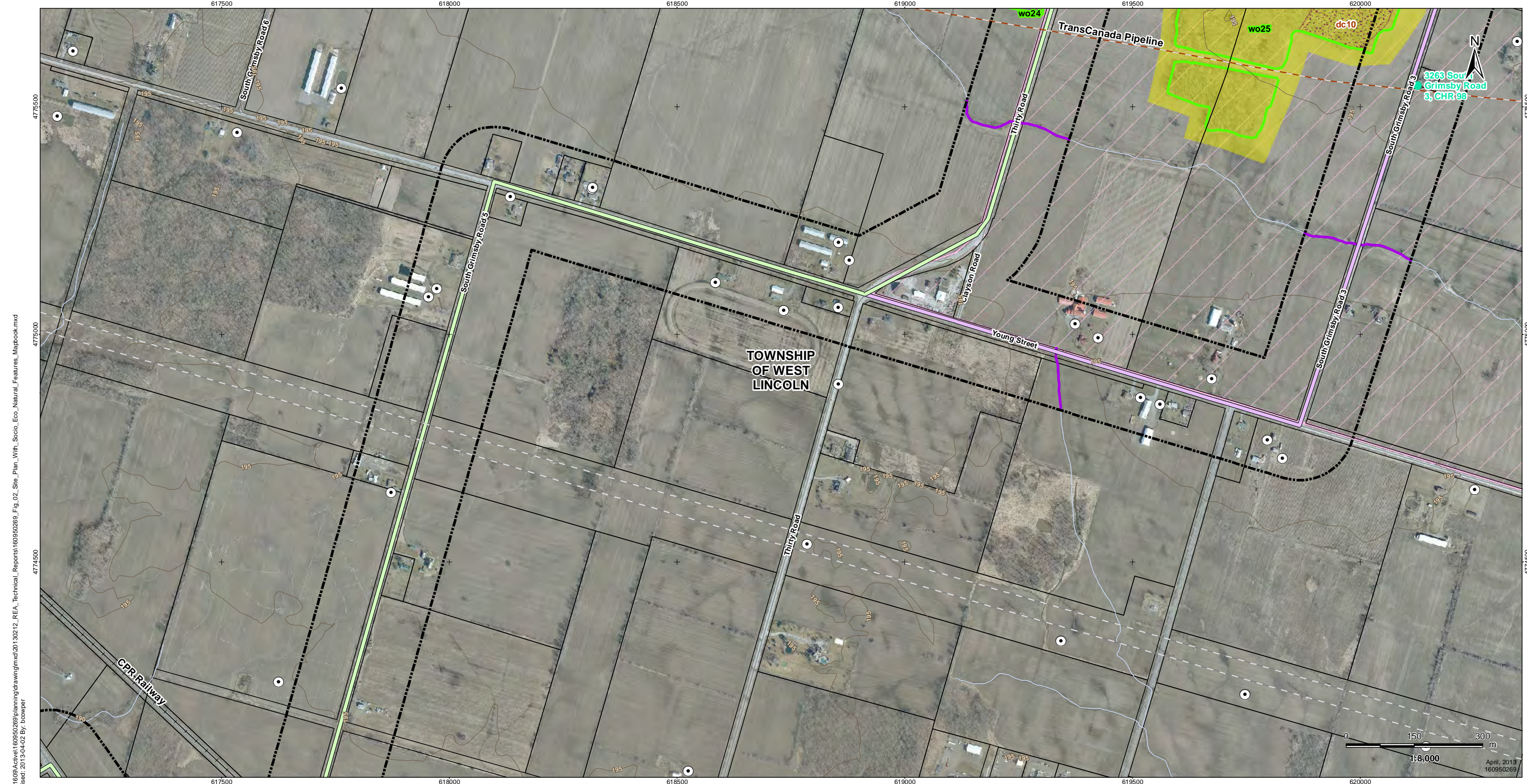
April, 2013  
160950269

Client/Project  
**Niagara Region Wind Corporation**

Figure No.  
**2.5**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**

**Figure 2.5**



V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper

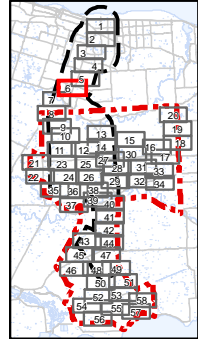


**Legend**

- |   |  |  |   |  |
|---|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li><b>Proposed Project Components</b></li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|---|--|

**Notes**

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5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.

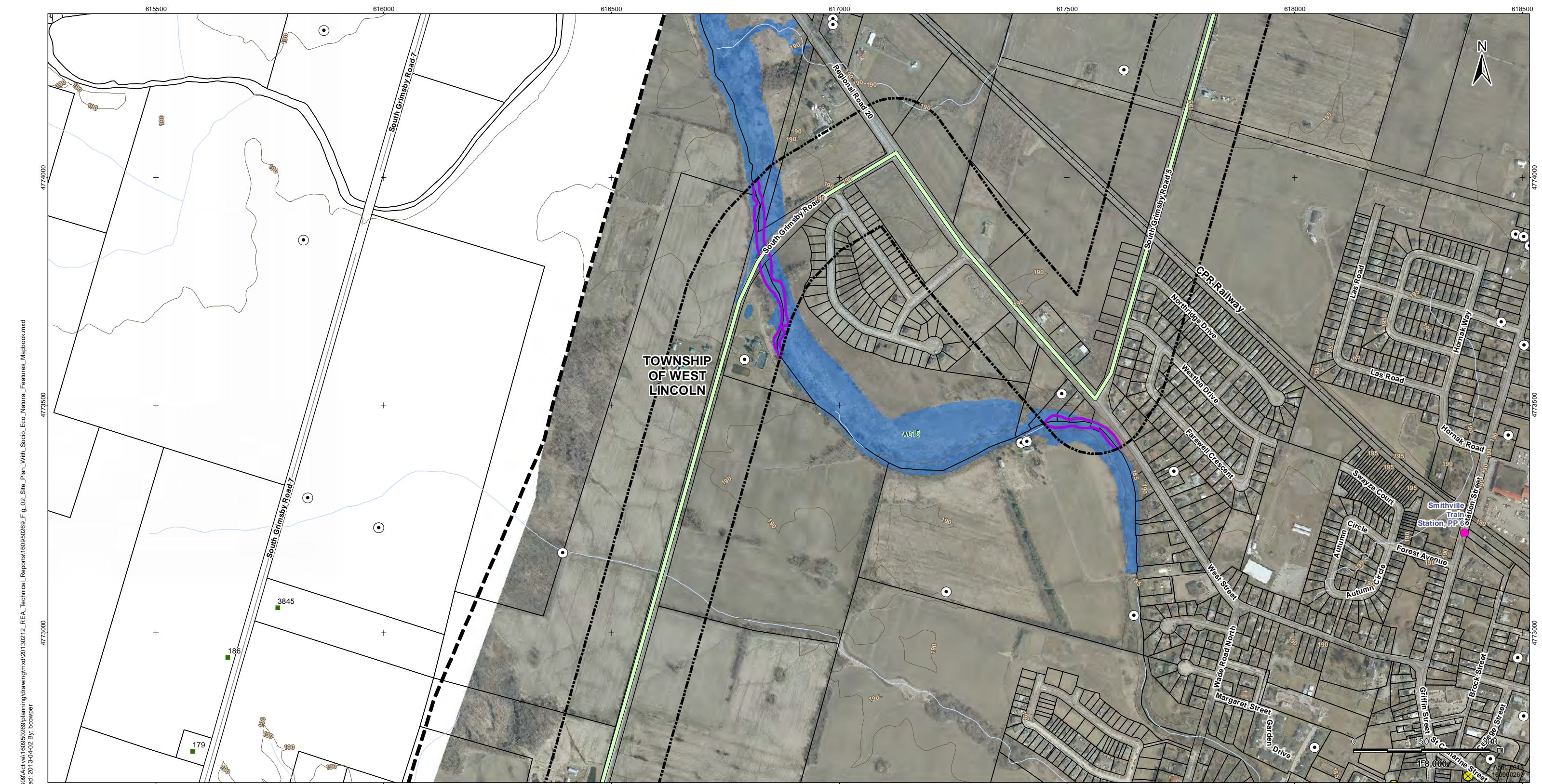


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.6

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.6**





V:\01609\Active\1609502689\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\1609502689\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper

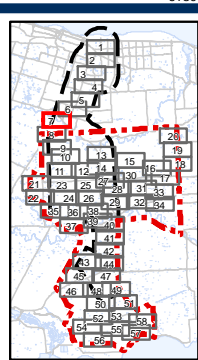


### Legend

- |   |  |  |  |   |  |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li><b>Proposed Project Components</b></li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) <sup>4</sup></li> <li> Water Well (MOE) <sup>5</sup></li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|---|--|

### Notes

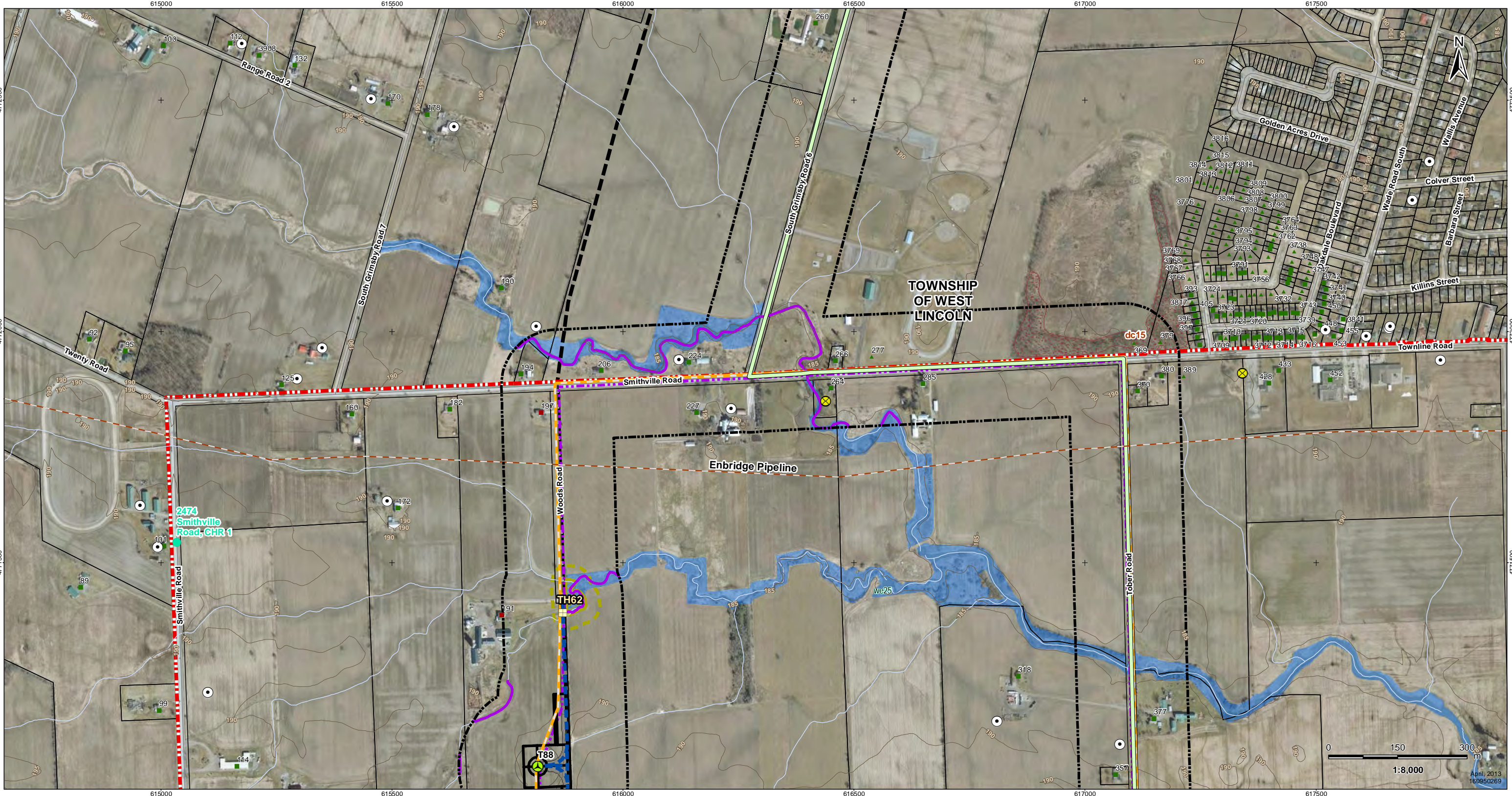
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
Niagara Region Wind Corporation

Figure No.  
**2.7**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.7**



V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper



**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines – Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSLL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

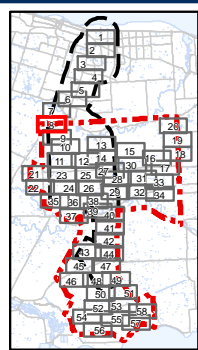
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

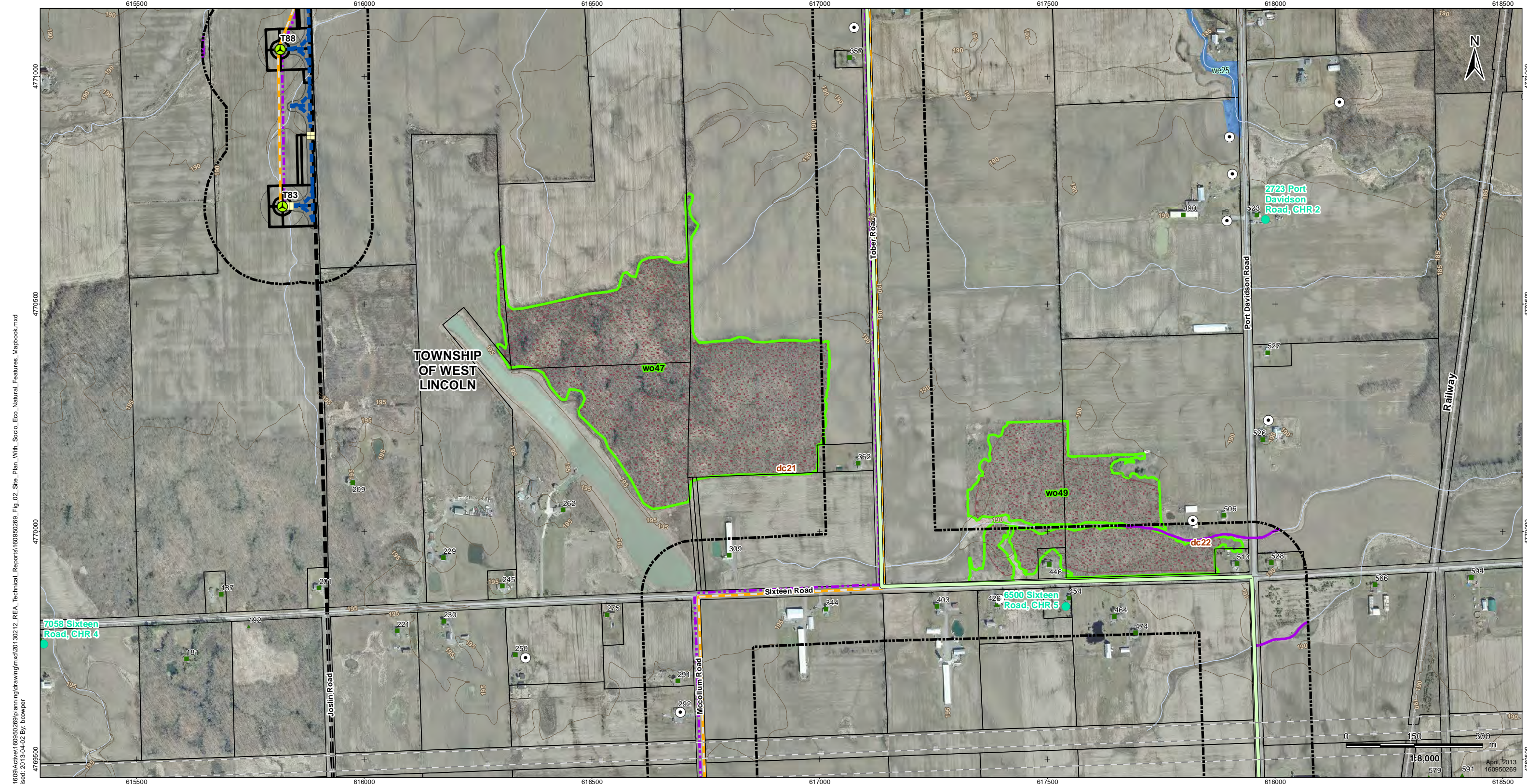
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.8

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.8**



V:\01609\Active\160950269\planning\drawing\drawing.mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper



**Legend**

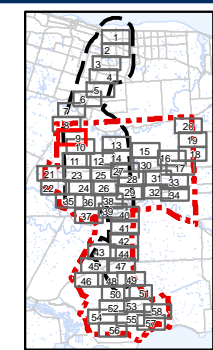
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Occupied
- Vacant
- Occupied
- Vacant

- Notes**
1. Coordinate System: NAD 1983 UTM Zone 17N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
  3. Orthimagery source: First Base Solutions, Date Spring 2010.
  4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
  5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
  6. Noise receptors are identified within 1500m of any wind turbine.

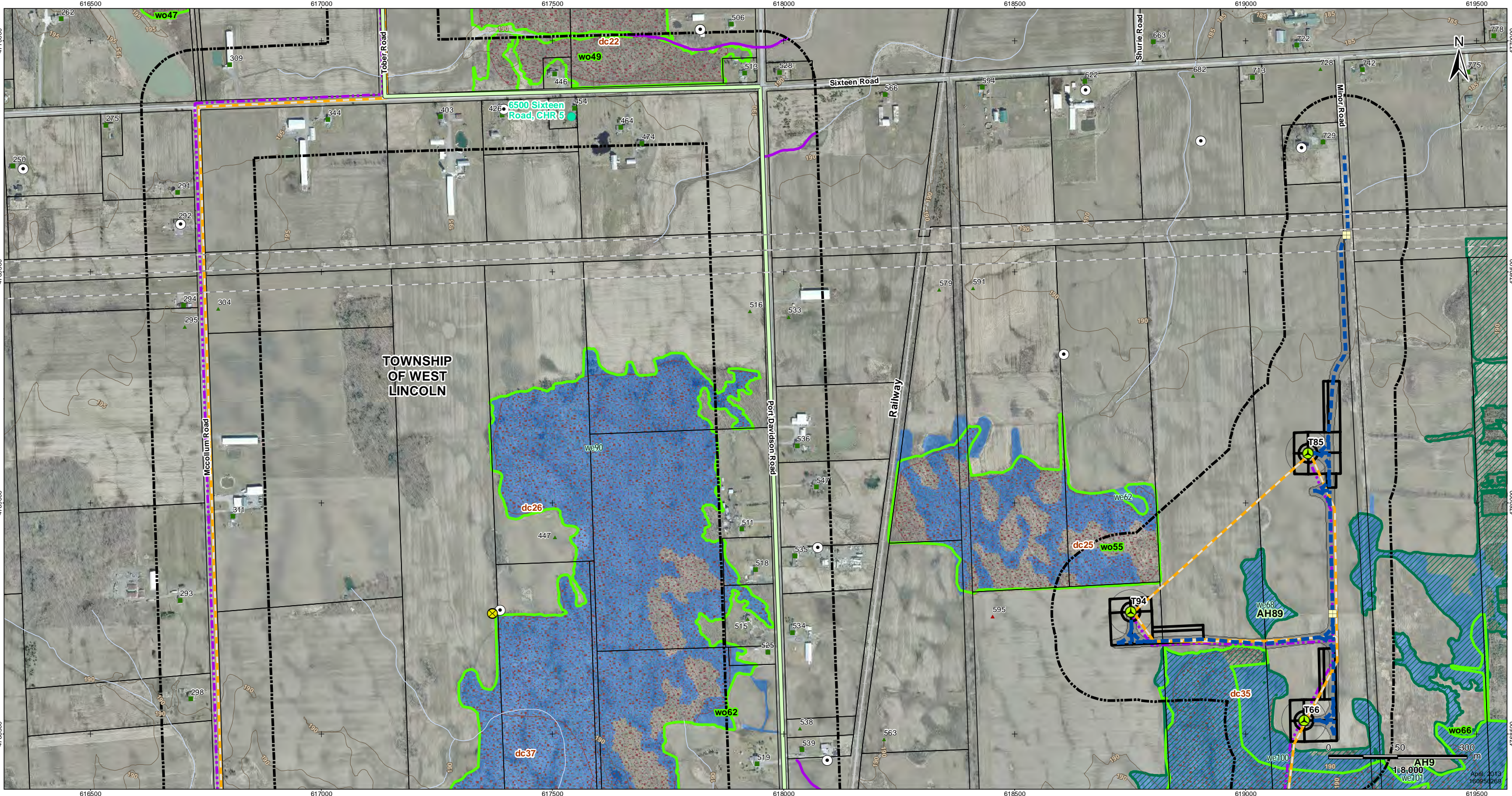


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.9

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.9

0 150 300 m  
1:8,000  
April, 2013  
160950269



V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper

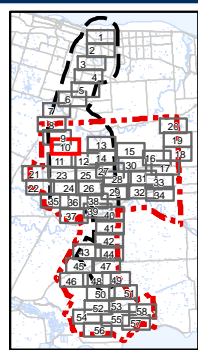


**Legend**

- |   |  |  |   |   |   |
|---|--|--|---|---|---|
| <ul style="list-style-type: none"> <li><span style="border: 2px dashed red; padding: 2px;"> </span> Project Study Area</li> <li><span style="border: 2px dashed black; padding: 2px;"> </span> Interconnector Study Area</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> 120m Zone of Investigation</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;"> </span> Proposed Project Components</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Proposed Turbine Location</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 15px; height: 15px; display: inline-block;"></span> Turbine Blade Length</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Tap-in Location</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Transformer Substation Location</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Junction Box</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Proposed Culvert</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Preferred Transmission Line Route</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Temporary Laydown Area</li> <li><span style="border-bottom: 2px solid orange; width: 20px; display: inline-block;"></span> Collector Lines – Underground or Overhead</li> <li><span style="border-bottom: 2px dashed purple; width: 20px; display: inline-block;"></span> Fibre Optic Line</li> <li><span style="border-bottom: 2px dashed blue; width: 20px; display: inline-block;"></span> Potential Access Road</li> <li><span style="border-bottom: 2px solid grey; width: 20px; display: inline-block;"></span> Access Road 20m Construction Area</li> <li><span style="border-bottom: 2px dashed purple; width: 20px; display: inline-block;"></span> Potential Construction Laydown Area</li> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Transformer Substation</li> </ul> | <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Existing Transmission Line</li> <li><span style="border-bottom: 2px solid red; width: 20px; display: inline-block;"></span> Pipeline</li> <li><span style="border-bottom: 2px dashed grey; width: 20px; display: inline-block;"></span> Topographic Contour (mAMSL)</li> <li><span style="border-bottom: 2px solid blue; width: 20px; display: inline-block;"></span> Watercourse (MNR)</li> <li><span style="border-bottom: 2px solid purple; width: 20px; display: inline-block;"></span> Waterbody (Stantec)</li> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Property Boundary</li> <li><span style="border-bottom: 2px dashed cyan; width: 20px; display: inline-block;"></span> Municipality Lower Tier</li> <li><span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Niagara Escarpment Plan Area (NEC)</li> <li><span style="border-bottom: 2px solid yellow; width: 20px; display: inline-block;"></span> Greenbelt Natural Heritage System</li> <li><span style="border-bottom: 2px solid grey; width: 20px; display: inline-block;"></span> Conservation Areas (NPCA)</li> <li><span style="border-bottom: 2px solid pink; width: 20px; display: inline-block;"></span> Greenbelt Plan Area (MMAH)</li> </ul> | <p>Significant Wildlife Habitat</p> <ul style="list-style-type: none"> <li><span style="border: 1px solid purple; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Snake Hibernacula</li> <li><span style="border: 1px dashed purple; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Snake Hibernacula 30m Buffer</li> <li><span style="border: 1px solid blue; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Raptor Wintering Areas</li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Deer Congregation Areas (MNR) (Generalized)</li> <li><span style="border: 1px solid orange; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Wetland Amphibian Breeding Habitat</li> <li><span style="border: 1px solid green; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Woodland Amphibian Breeding Habitat</li> <li><span style="border: 1px solid yellow; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Other Rare Vegetation Community</li> <li><span style="border: 1px solid pink; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Landbird Migratory Stopover</li> <li><span style="border: 1px solid yellow; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li><span style="border: 1px solid green; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Turtle Habitat 30m Buffer</li> <li><span style="border: 1px solid green; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Turtle Wintering Area</li> </ul> | <p>Significant Natural Features</p> <ul style="list-style-type: none"> <li><span style="border: 1px solid green; width: 10px; height: 10px; display: inline-block;"></span> Woodland Communities</li> <li><span style="border: 1px solid blue; width: 10px; height: 10px; display: inline-block;"></span> Wetland Communities</li> <li><span style="border: 1px solid orange; width: 10px; height: 10px; display: inline-block;"></span> ANSI, Earth Science, Provincially Significant (MNR)</li> <li><span style="border: 1px solid purple; width: 10px; height: 10px; display: inline-block;"></span> ANSI, Life Science, Provincially Significant (MNR)</li> </ul> <p>Cultural Heritage Features</p> <ul style="list-style-type: none"> <li><span style="border: 1px solid purple; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Protected Property</li> <li><span style="border: 1px solid cyan; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Cultural Heritage Resource</li> <li><span style="border: 1px solid green; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Landfill - Active (MOE)</li> <li><span style="border: 1px solid orange; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Landfill - Closed (MOE)</li> <li><span style="border: 1px solid purple; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Petroleum Well (OGSR) <sup>4</sup></li> <li><span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Water Well (MOE) <sup>5</sup></li> </ul> | <p>Non-participating Receptors <sup>5</sup></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid green; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Occupied</li> <li><span style="border: 1px solid blue; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Vacant</li> </ul> <p>Participating Noise Receptors <sup>5</sup></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid red; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Occupied</li> <li><span style="border: 1px solid purple; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Vacant</li> </ul> |
|---|--|--|---|---|---|

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
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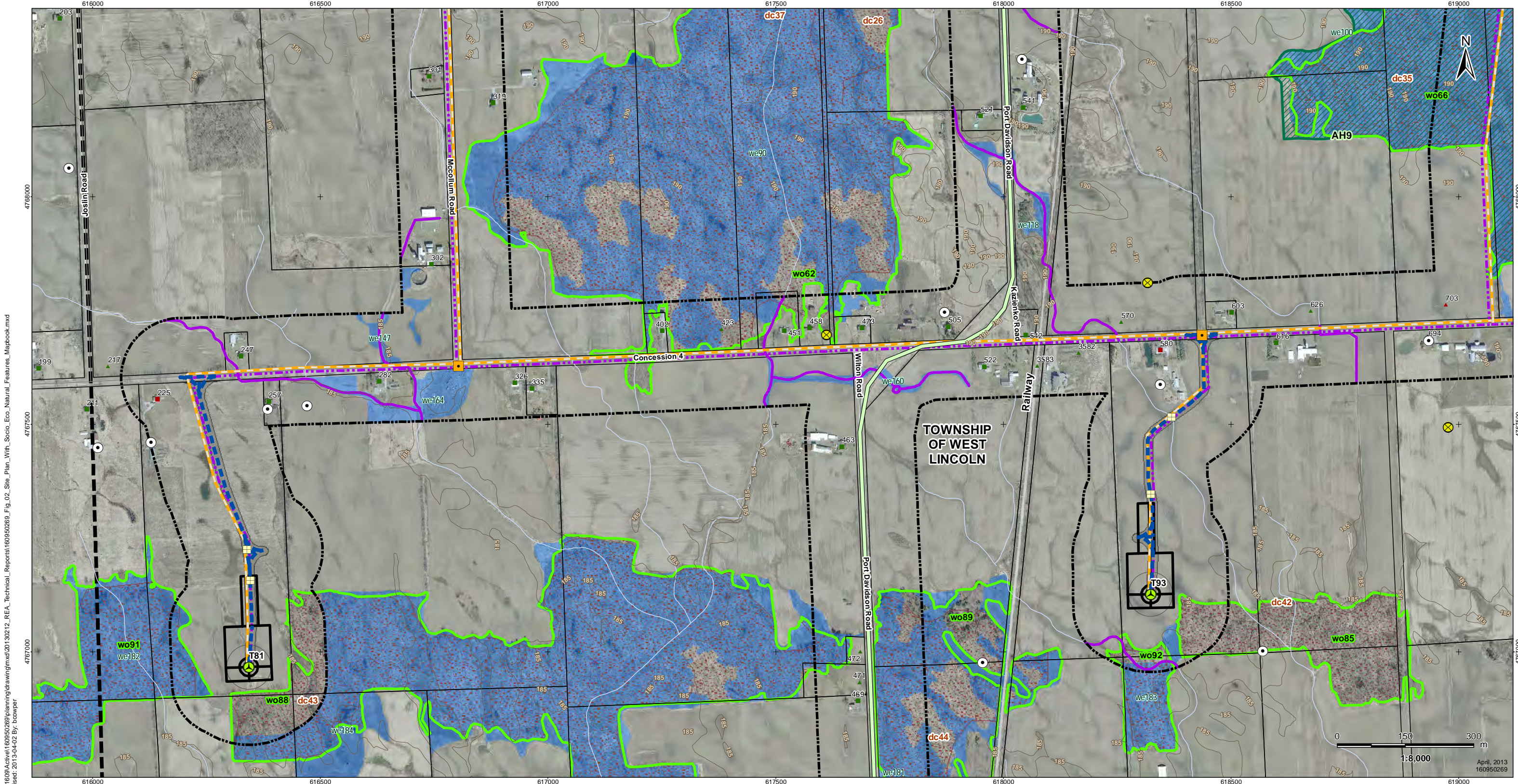


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.10

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.10

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper



**Legend**

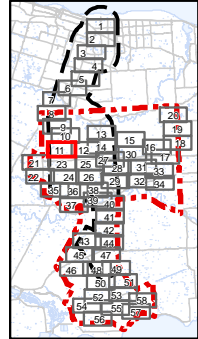
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines – Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features**
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

- Significant Wildlife Habitat**
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area
- Significant Natural Features**
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features**
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5**
- Occupied
- Vacant
- Participating Noise Receptors 5**
- Occupied
- Vacant

**Notes**

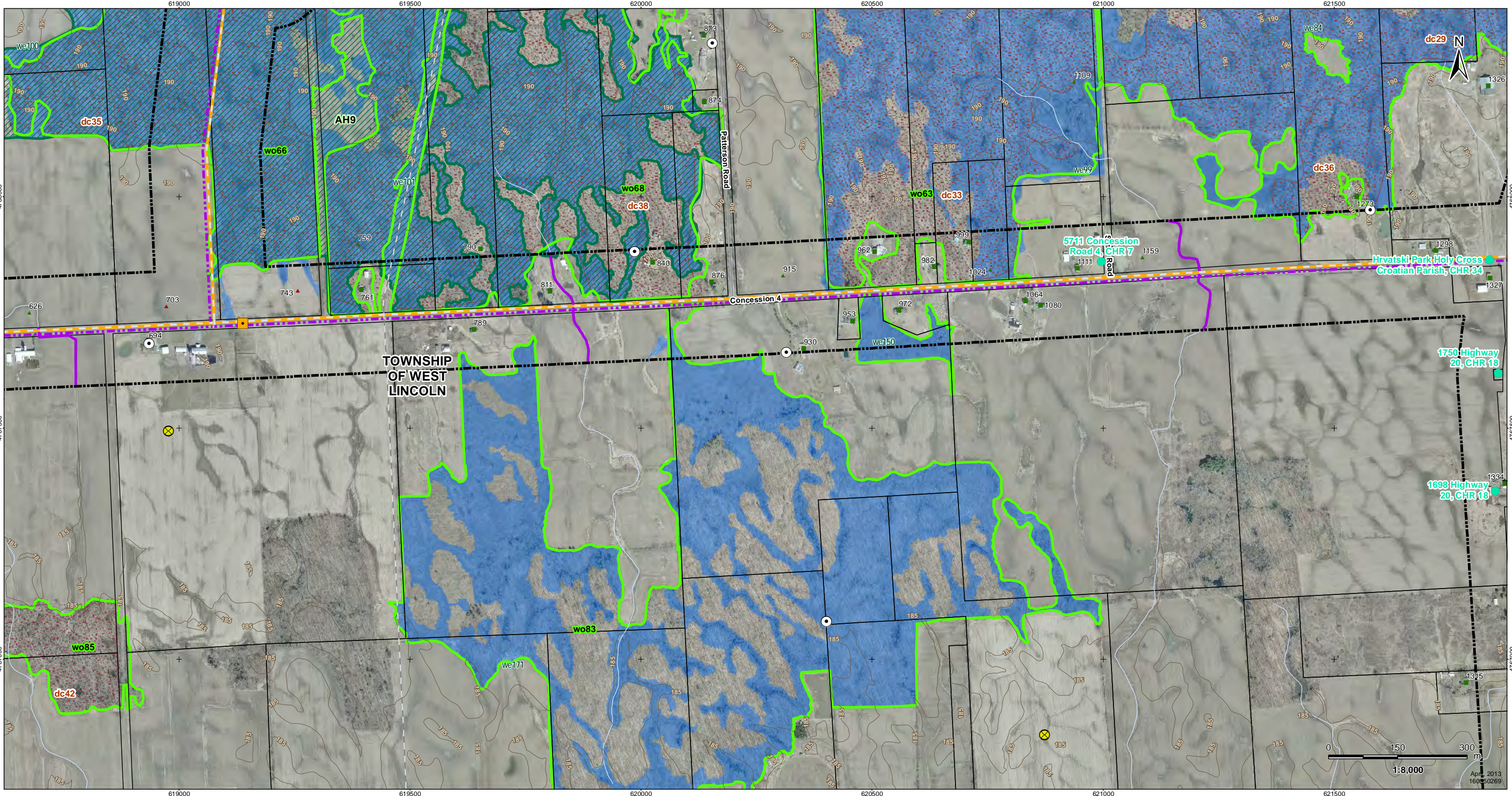
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.11

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.11



V:\1609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper



**Legend**

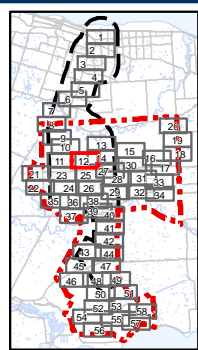
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
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- Tap-in Location
- Transformer Substation Location
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- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
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- Abandoned Railway
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- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Occupied
- Vacant
- Occupied
- Vacant

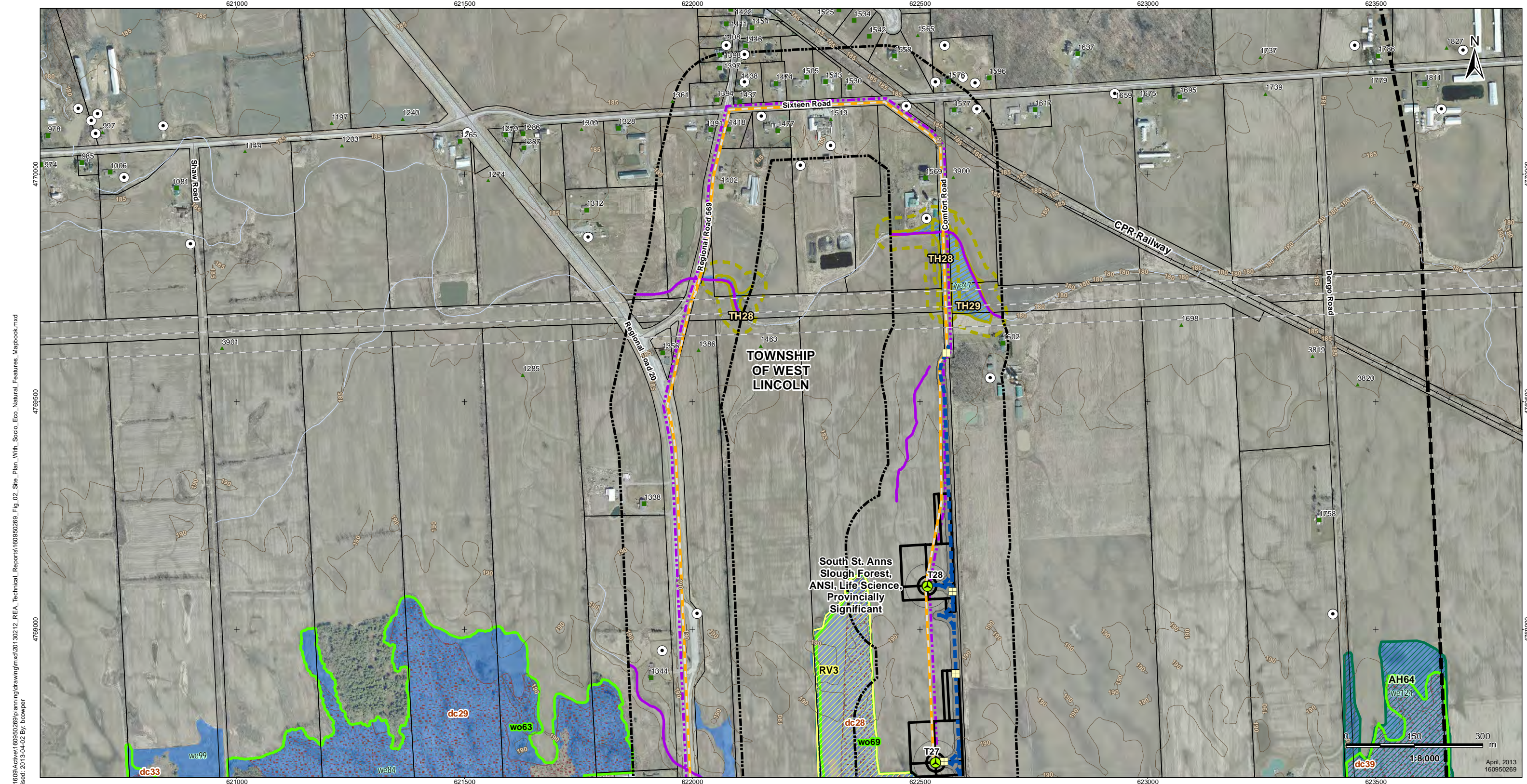
- Notes**
1. Coordinate System: NAD 1983 UTM Zone 17N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
  3. Orthimagery source: First Base Solutions, Date Spring 2010.
  4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
  5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
  6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
 Niagara Region Wind Corporation

Figure No.  
 2.12

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
 Figure 2.12



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 Revised: 2013-04-02 By: bcowper



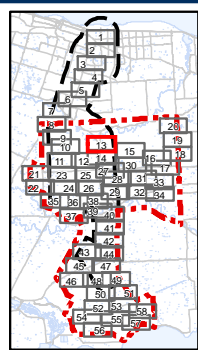
**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines – Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features**
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

- Significant Wildlife Habitat**
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Significant Natural Features**
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features**
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) <sup>4</sup>
- Water Well (MOE) <sup>5</sup>

- Non-participating Receptors <sup>5</sup>**
  - Occupied
  - Vacant
  - Participating Noise Receptors <sup>5</sup>**
  - Occupied
  - Vacant
- Notes**
1. Coordinate System: NAD 1983 UTM Zone 17N).
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  4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
  5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
  6. Noise receptors are identified within 1500m of any wind turbine.

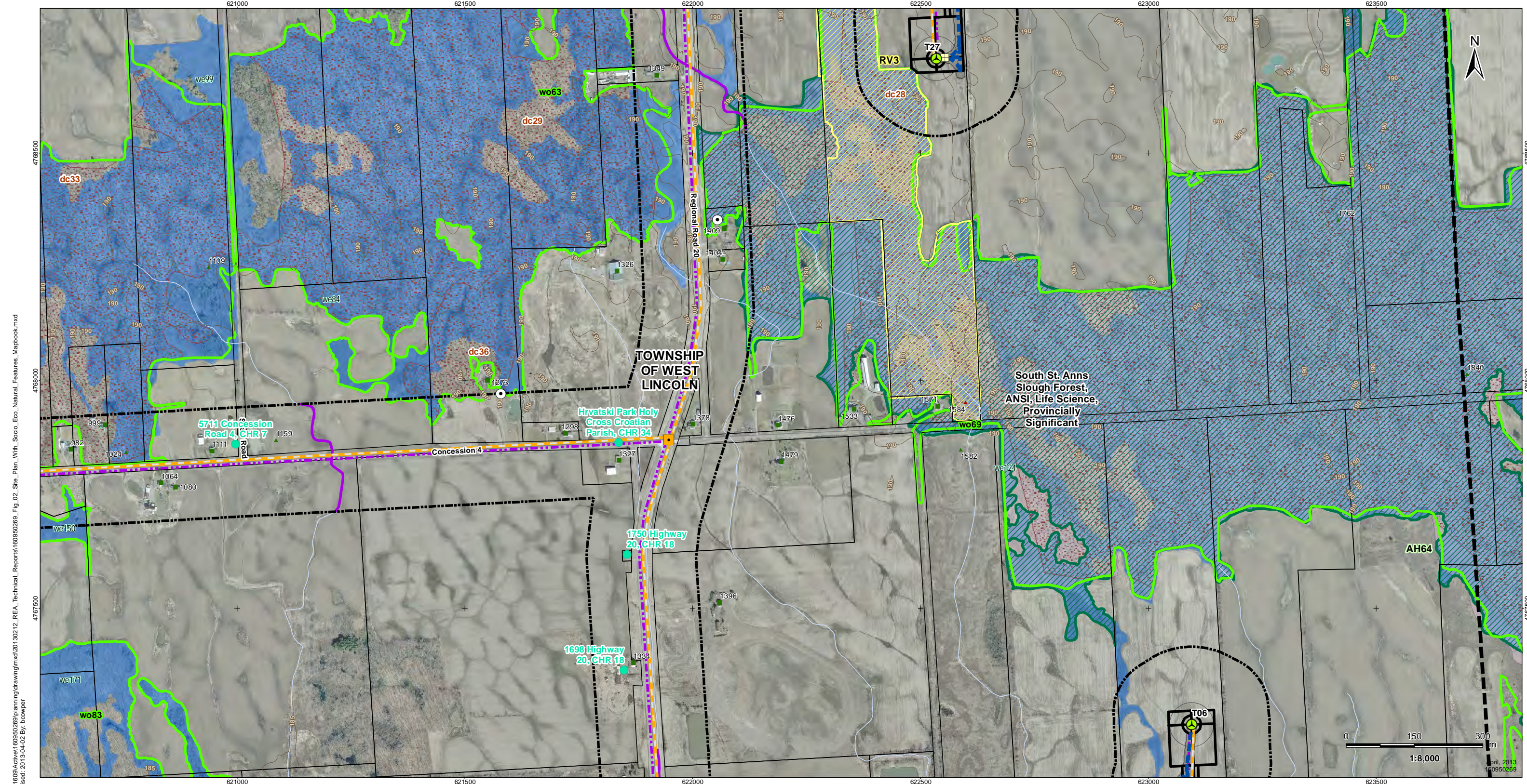


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.13

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.13

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper

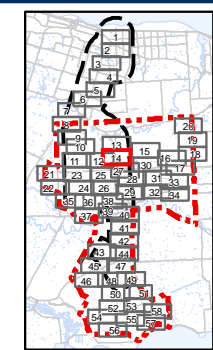


**Legend**

- |   |  |  |  |   |  |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|---|--|

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.

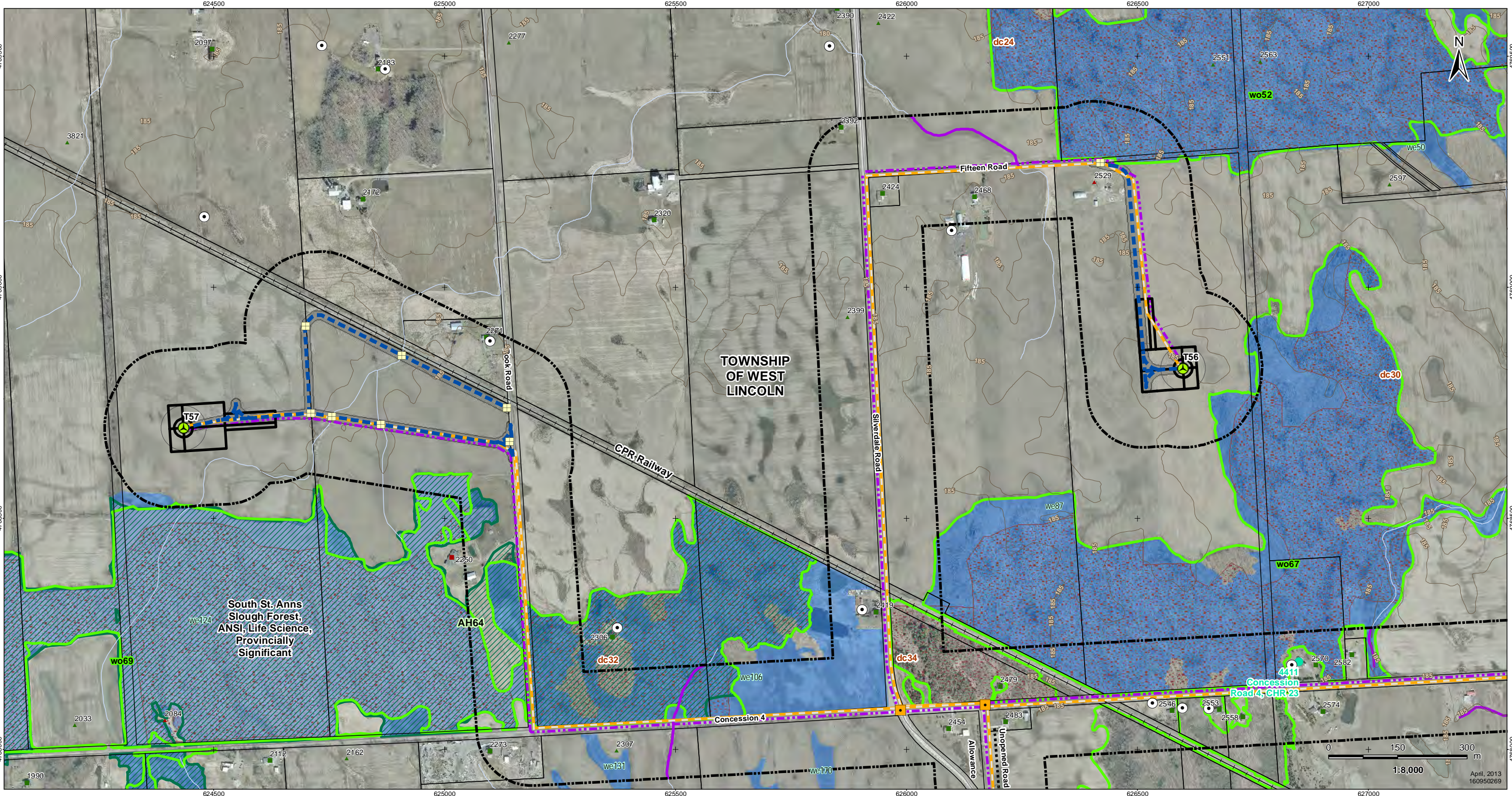


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.14

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.14





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 Revised: 2013-04-02 By: bcompw

### Legend

<ul style="list-style-type: none"> <li><span style="border: 1px solid red; padding: 2px;"> </span> Project Study Area</li> <li><span style="border: 2px dashed black; padding: 2px;"> </span> Interconnector Study Area</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> 120m Zone of Investigation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black;"></span> Proposed Project Components</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Proposed Turbine Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Turbine Blade Length</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Tap-in Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Transformer Substation Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Junction Box</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Proposed Culvert</li> <li><span style="border-bottom: 1px solid green; width: 10px; display: inline-block;"></span> Preferred Transmission Line Route</li> <li><span style="border-bottom: 1px solid purple; width: 10px; display: inline-block;"></span> Alternate Transmission Line Route</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Temporary Laydown Area</li> <li><span style="border-bottom: 1px solid orange; width: 10px; display: inline-block;"></span> Collector Lines – Underground or Overhead</li> <li><span style="border-bottom: 1px dashed blue; width: 10px; display: inline-block;"></span> Fibre Optic Line</li> <li><span style="border-bottom: 1px solid blue; width: 10px; display: inline-block;"></span> Potential Access Road</li> <li><span style="border-bottom: 1px solid grey; width: 10px; display: inline-block;"></span> Access Road 20m Construction Area</li> <li><span style="border-bottom: 1px dashed purple; width: 10px; display: inline-block;"></span> Potential Construction Laydown Area</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Transformer Substation</li> </ul> <p>Existing Features</p> <ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Road</li> <li><span style="border-bottom: 1px solid brown; width: 10px; display: inline-block;"></span> Expressway / Highway</li> <li><span style="border-bottom: 1px dashed black; width: 10px; display: inline-block;"></span> Unopened Road Allowance</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Active Railway</li> <li><span style="border-bottom: 1px solid grey; width: 10px; display: inline-block;"></span> Abandoned Railway</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Existing Transmission Line</li> <li><span style="border-bottom: 1px solid red; width: 10px; display: inline-block;"></span> Pipeline</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Topographic Contour (mAMSL)</li> <li><span style="border-bottom: 1px solid blue; width: 10px; display: inline-block;"></span> Watercourse (MNR)</li> <li><span style="border-bottom: 1px solid purple; width: 10px; display: inline-block;"></span> Waterbody (Stantec)</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Property Boundary</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block;"></span> Municipality Lower Tier</li> <li><span style="border-bottom: 1px solid red; width: 10px; display: inline-block;"></span> Niagara Escarpment Plan Area (NEC)</li> <li><span style="border-bottom: 1px solid yellow; width: 10px; display: inline-block;"></span> Greenbelt Natural Heritage System</li> <li><span style="border-bottom: 1px solid grey; width: 10px; display: inline-block;"></span> Conservation Areas (NPCA)</li> <li><span style="border-bottom: 1px solid pink; width: 10px; display: inline-block;"></span> Greenbelt Plan Area (MMAH)</li> </ul>	<p>Significant Wildlife Habitat</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Snake Hibernacula</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px dashed black; border-radius: 50%;"></span> Snake Hibernacula 30m Buffer</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; border-radius: 50%;"></span> Raptor Wintering Areas</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Deer Congregation Areas (MNR) (Generalized)</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid orange; border-radius: 50%;"></span> Wetland Amphibian Breeding Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid green; border-radius: 50%;"></span> Woodland Amphibian Breeding Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid yellow; border-radius: 50%;"></span> Other Rare Vegetation Community</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid pink; border-radius: 50%;"></span> Landbird Migratory Stopover</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid green; border-radius: 50%;"></span> Turtle Habitat 30m Buffer</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid green; border-radius: 50%;"></span> Turtle Wintering Area</li> </ul>	<p>Significant Natural Features</p> <ul style="list-style-type: none"> <li><span style="border: 1px solid green; padding: 2px;"> </span> Woodland Communities</li> <li><span style="border: 1px solid blue; padding: 2px;"> </span> Wetland Communities</li> <li><span style="border: 1px solid orange; padding: 2px;"> </span> ANSI, Earth Science, Provincially Significant (MNR)</li> <li><span style="border: 1px solid purple; padding: 2px;"> </span> ANSI, Life Science, Provincially Significant (MNR)</li> </ul> <p>Cultural Heritage Features</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Protected Property</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Cultural Heritage Resource</li> </ul> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid green; border-radius: 50%;"></span> Landfill - Active (MOE)</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid orange; border-radius: 50%;"></span> Landfill - Closed (MOE)</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Petroleum Well (OGSR) <sup>4</sup></li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%;"></span> Water Well (MOE) <sup>5</sup></li> </ul>	<p>Non-participating Receptors <sup>5</sup></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border-radius: 50%;"></span> Occupied</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: blue; border-radius: 50%;"></span> Vacant</li> </ul> <p>Participating Noise Receptors <sup>5</sup></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: red; border-radius: 50%;"></span> Occupied</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: purple; border-radius: 50%;"></span> Vacant</li> </ul>
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Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.15

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.15

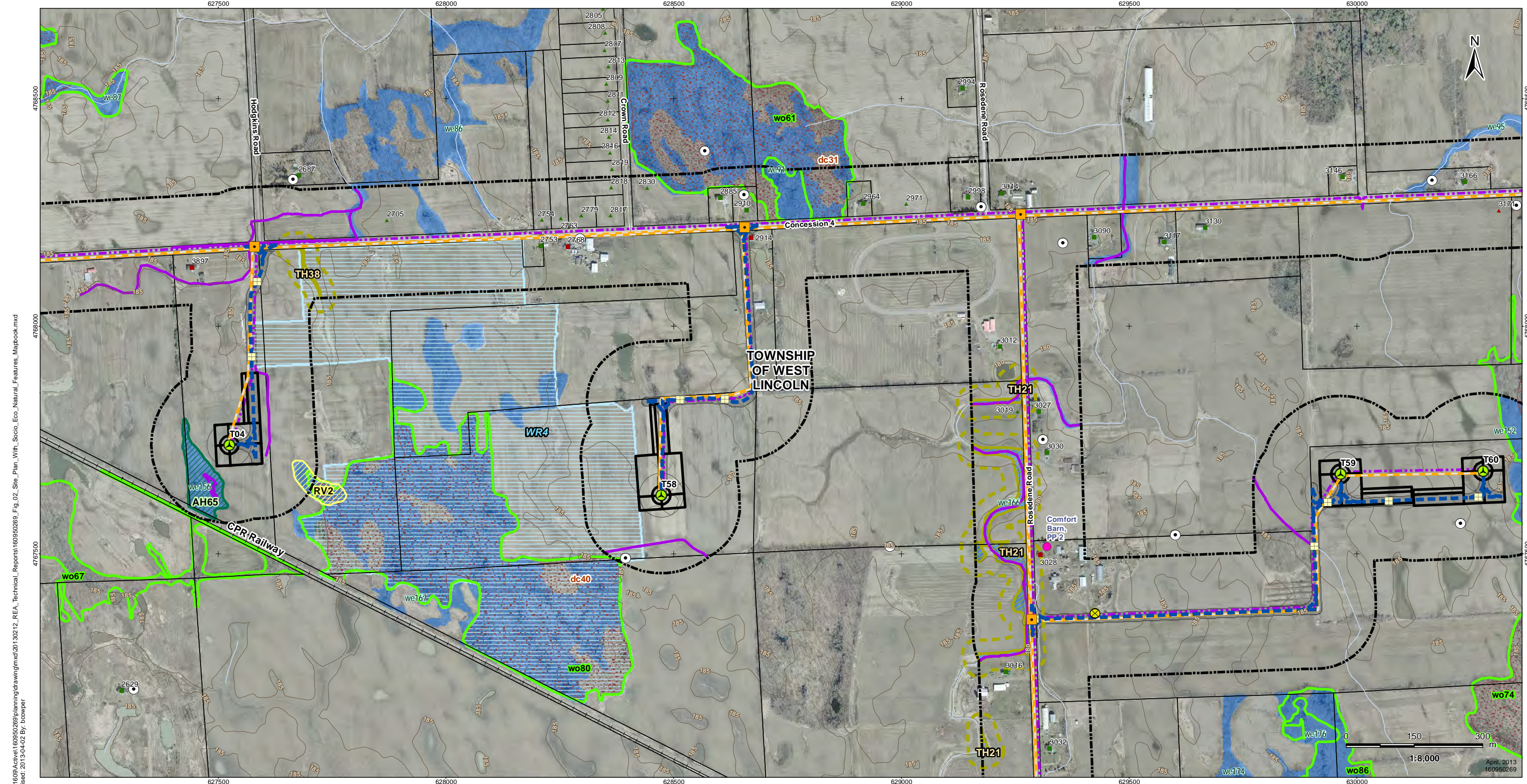
**Notes**

- Coordinate System: NAD 1983 UTM Zone 17N).
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- Orthimagery source: First Base Solutions, Date Spring 2010.
- Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
- MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
- Noise receptors are identified within 1500m of any wind turbine.

Scale: 1:8,000

0 150 300 m

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper



**Legend**

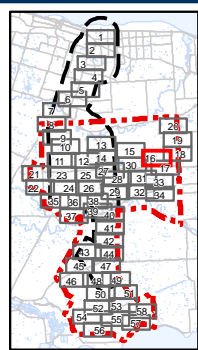
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
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- Proposed Turbine Location
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- Tap-in Location
- Transformer Substation Location
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- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features**
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
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- Conservation Areas (NPCA)
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- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area
- Significant Natural Features**
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features**
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5**
- Occupied
- Vacant
- Participating Noise Receptors 5**
- Occupied
- Vacant

**Notes**

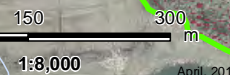
1. Coordinate System: NAD 1983 UTM Zone 17N).
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3. Orthimagery source: First Base Solutions, Date Spring 2010.
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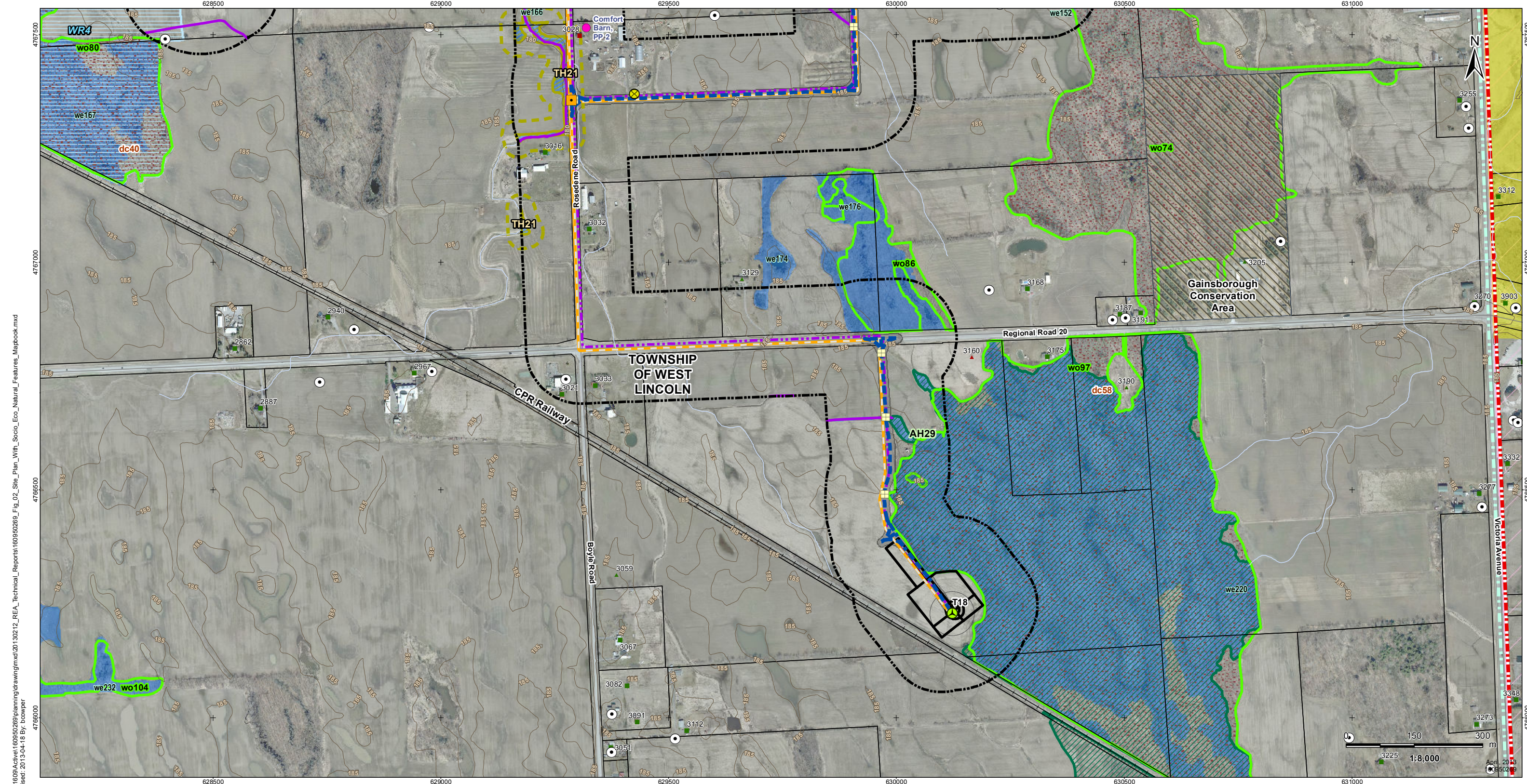
Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.16

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.16



April, 2013  
160950269



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 Revised: 2013-04-18 By: bcowper

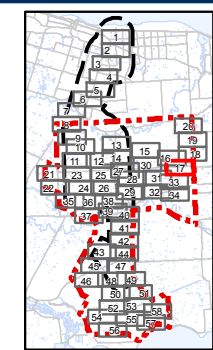


**Legend**

- |   |   |  |   |  |
|---|---|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li><b>Proposed Project Components</b></li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSLS)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Protected_Property_point</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|---|--|---|--|

**Notes**

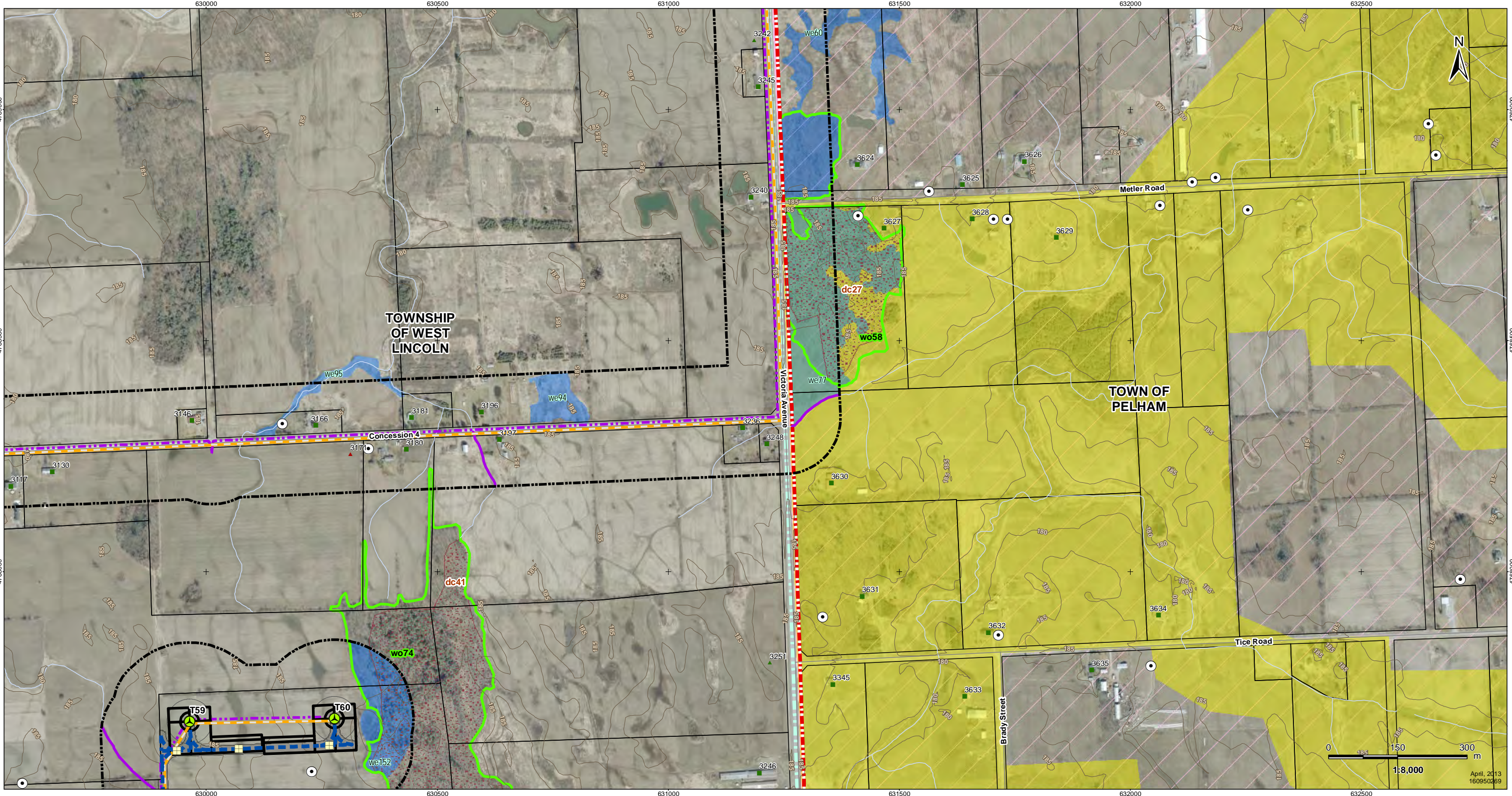
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



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Niagara Region Wind Corporation

Figure No.  
**2.17**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.17**



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 Revised: 2013-04-02 By: bcowper

630000 630500 631000 631500 632000 632500 4769000 4768500 4768000



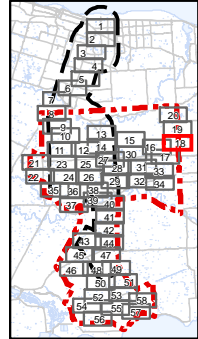
**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- ★ Tap-in Location
- ★ Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines – Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSLL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

- Significant Wildlife Habitat
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Cultural Heritage Resource
- ▼ Landfill - Active (MOE)
- ▼ Landfill - Closed (MOE)
- Petroleum Well (OGSR) <sup>4</sup>
- Water Well (MOE) <sup>5</sup>

- ▲ Non-participating Receptors <sup>5</sup>
  - ▲ Occupied
  - ▲ Vacant
  - ▲ Participating Noise Receptors <sup>5</sup>
  - ▲ Occupied
  - ▲ Vacant
- Notes**
1. Coordinate System: NAD 1983 UTM Zone 17N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
  3. Orthoimagery source: First Base Solutions, Date Spring 2010.
  4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
  5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
  6. Noise receptors are identified within 1500m of any wind turbine.

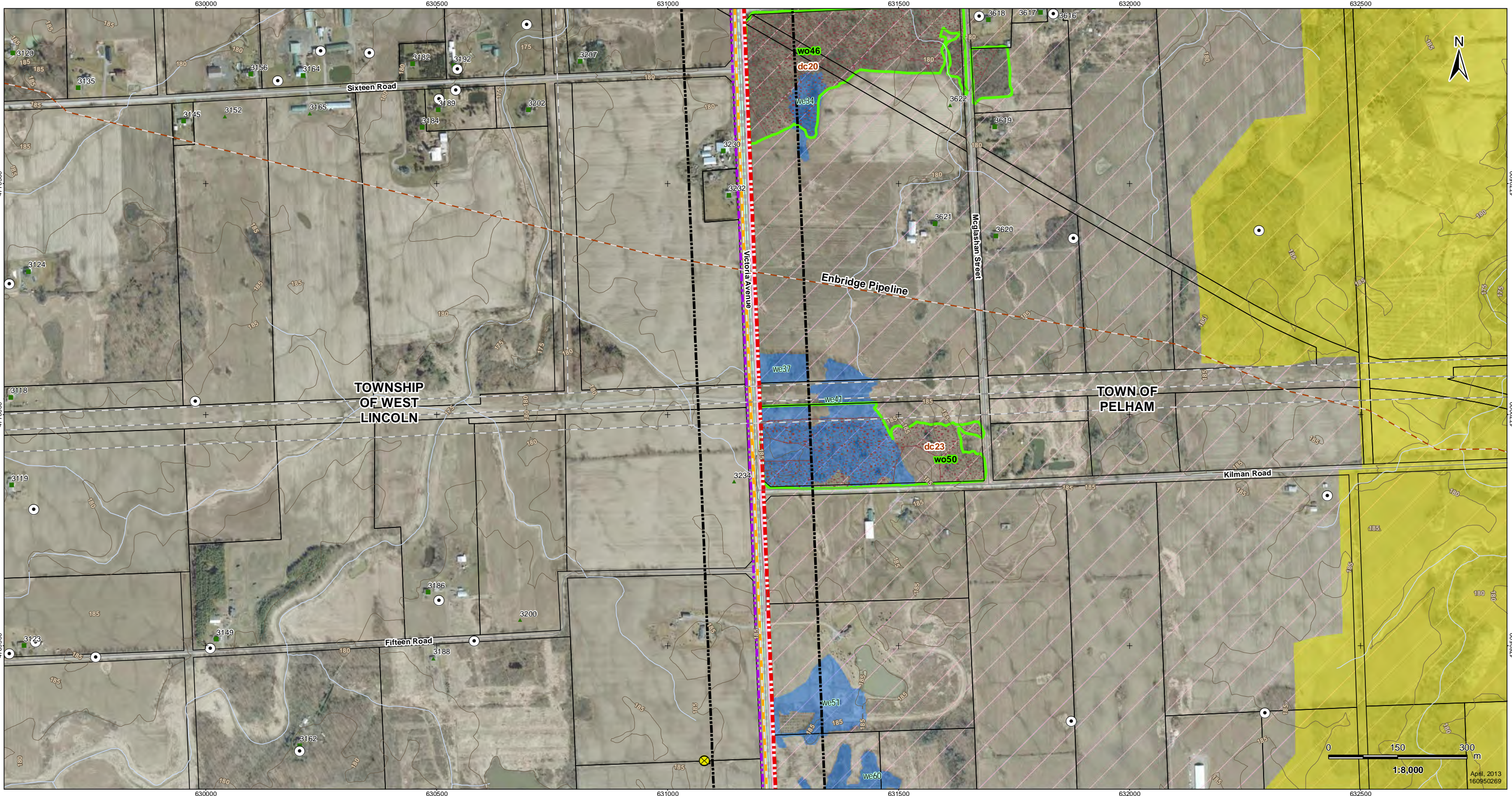


Client/Project  
Niagara Region Wind Corporation


Figure No.  
2.18

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.18

April, 2013  
160950269

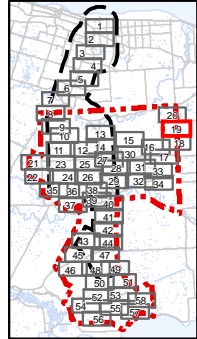


V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper



### Legend

<ul style="list-style-type: none"> <li><span style="border: 2px dashed red; padding: 2px;"> </span> Project Study Area</li> <li><span style="border: 2px dashed black; padding: 2px;"> </span> Interconnector Study Area</li> <li><span style="border: 1px dashed black; padding: 2px;"> </span> 120m Zone of Investigation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Proposed Project Components</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Proposed Turbine Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Turbine Blade Length</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Tap-in Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Transformer Substation Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Junction Box</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Proposed Culvert</li> <li><span style="border-bottom: 2px solid green; width: 10px; display: inline-block;"></span> Preferred Transmission Line Route</li> <li><span style="border-bottom: 2px solid purple; width: 10px; display: inline-block;"></span> Alternate Transmission Line Route</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; width: 10px; display: inline-block;"></span> Temporary Laydown Area</li> <li><span style="border-bottom: 2px solid orange; width: 10px; display: inline-block;"></span> Collector Lines – Underground or Overhead</li> <li><span style="border-bottom: 2px solid blue; width: 10px; display: inline-block;"></span> Fibre Optic Line</li> <li><span style="border-bottom: 2px solid purple; width: 10px; display: inline-block;"></span> Potential Access Road</li> <li><span style="border-bottom: 2px solid grey; width: 10px; display: inline-block;"></span> Access Road 20m Construction Area</li> <li><span style="border-bottom: 2px solid pink; width: 10px; display: inline-block;"></span> Potential Construction Laydown Area</li> <li><span style="border-bottom: 2px solid black; width: 10px; display: inline-block;"></span> Transformer Substation</li> </ul> <p>Existing Features</p> <ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; width: 10px; display: inline-block;"></span> Road</li> <li><span style="border-bottom: 2px solid orange; width: 10px; display: inline-block;"></span> Expressway / Highway</li> <li><span style="border-bottom: 2px dashed black; width: 10px; display: inline-block;"></span> Unopened Road Allowance</li> <li><span style="border-bottom: 2px solid black; width: 10px; display: inline-block;"></span> Active Railway</li> <li><span style="border-bottom: 2px solid grey; width: 10px; display: inline-block;"></span> Abandoned Railway</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 2px solid black; width: 10px; display: inline-block;"></span> Existing Transmission Line</li> <li><span style="border-bottom: 2px solid red; width: 10px; display: inline-block;"></span> Pipeline</li> <li><span style="border-bottom: 2px solid black; width: 10px; display: inline-block;"></span> Topographic Contour (mAMSL)</li> <li><span style="border-bottom: 2px solid blue; width: 10px; display: inline-block;"></span> Watercourse (MNR)</li> <li><span style="border-bottom: 2px solid purple; width: 10px; display: inline-block;"></span> Waterbody (Stantec)</li> <li><span style="border-bottom: 2px solid black; width: 10px; display: inline-block;"></span> Property Boundary</li> <li><span style="border-bottom: 2px solid black; width: 10px; display: inline-block;"></span> Municipality Lower Tier</li> <li><span style="border-bottom: 2px solid red; width: 10px; display: inline-block;"></span> Niagara Escarpment Plan Area (NEC)</li> <li><span style="border-bottom: 2px solid yellow; width: 10px; display: inline-block;"></span> Greenbelt Natural Heritage System</li> <li><span style="border-bottom: 2px solid grey; width: 10px; display: inline-block;"></span> Conservation Areas (NPCA)</li> <li><span style="border-bottom: 2px solid pink; width: 10px; display: inline-block;"></span> Greenbelt Plan Area (MMAH)</li> </ul>	<p>Significant Wildlife Habitat</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF00FF; border-radius: 50%;"></span> Snake Hibernacula</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF00FF; border-radius: 50%;"></span> Snake Hibernacula 30m Buffer</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ADD8E6; border-radius: 50%;"></span> Raptor Wintering Areas</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ADD8E6; border-radius: 50%;"></span> Deer Congregation Areas (MNR) (Generalized)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FFD700; border-radius: 50%;"></span> Wetland Amphibian Breeding Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Woodland Amphibian Breeding Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Other Rare Vegetation Community</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF00FF; border-radius: 50%;"></span> Landbird Migratory Stopover</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Turtle Habitat 30m Buffer</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Turtle Wintering Area</li> </ul>	<p>Significant Natural Features</p> <ul style="list-style-type: none"> <li><span style="border: 2px solid green; padding: 2px;"> </span> Woodland Communities</li> <li><span style="border: 2px solid blue; padding: 2px;"> </span> Wetland Communities</li> <li><span style="border: 2px solid orange; padding: 2px;"> </span> ANSI, Earth Science, Provincially Significant (MNR)</li> <li><span style="border: 2px solid purple; padding: 2px;"> </span> ANSI, Life Science, Provincially Significant (MNR)</li> </ul> <p>Cultural Heritage Features</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF00FF; border-radius: 50%;"></span> Protected Property</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ADD8E6; border-radius: 50%;"></span> Cultural Heritage Resource</li> </ul> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Landfill - Active (MOE)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Landfill - Closed (MOE)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Petroleum Well (OGSR) <sup>4</sup></li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Water Well (MOE) <sup>5</sup></li> </ul>	<p>Non-participating Receptors <sup>5</sup></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Occupied</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Vacant</li> </ul> <p>Participating Noise Receptors <sup>5</sup></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Occupied</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border-radius: 50%;"></span> Vacant</li> </ul>
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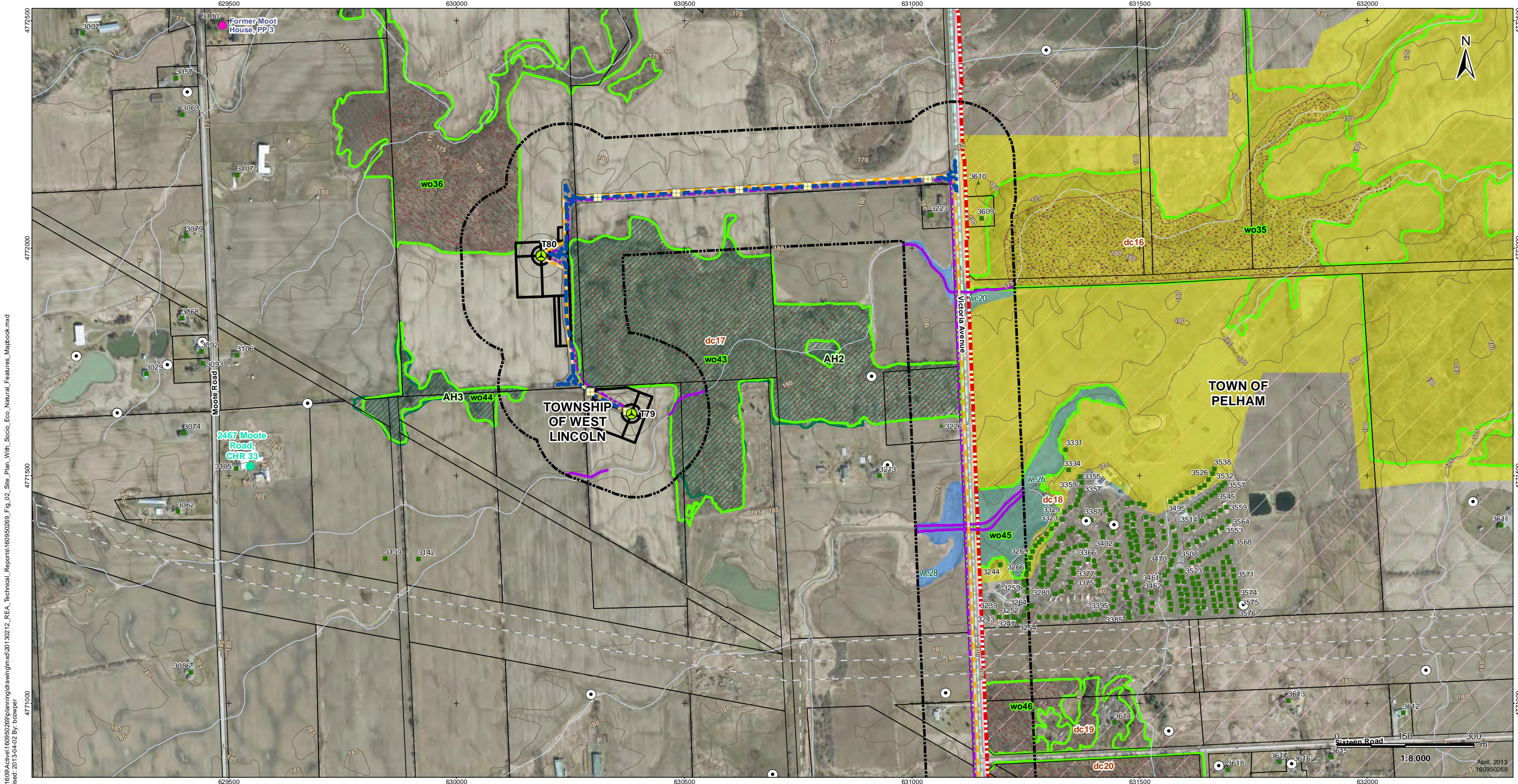
Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.19

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.19

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
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3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



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 Revised: 2013-04-02 By: bcowper



### Legend

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

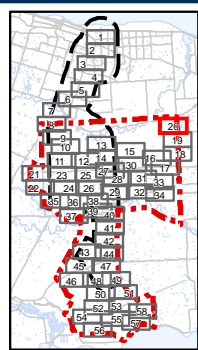
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Occupied
- Vacant
- Occupied
- Vacant

### Notes

1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
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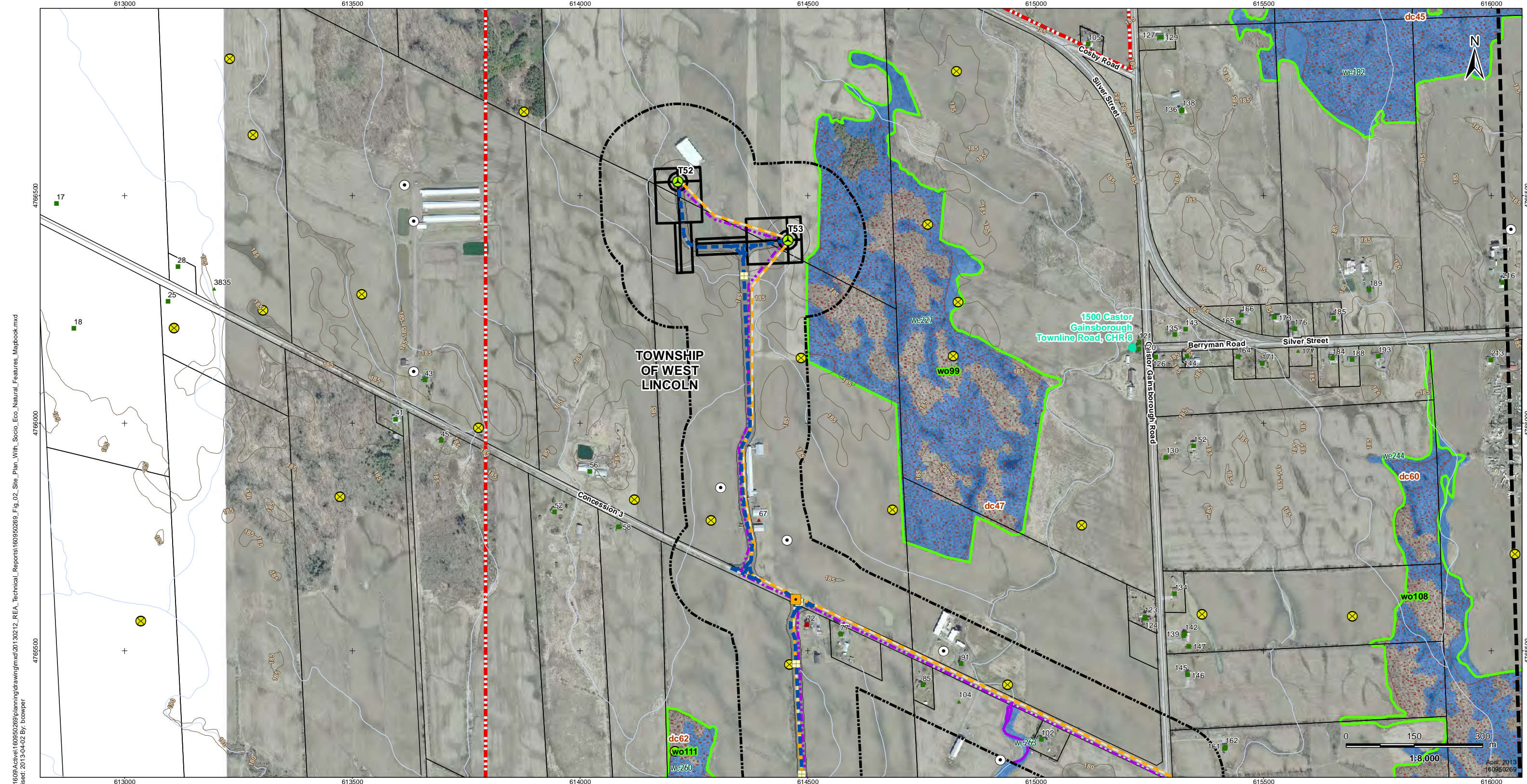


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.20

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.20

Scale: 1:8,000  
April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper

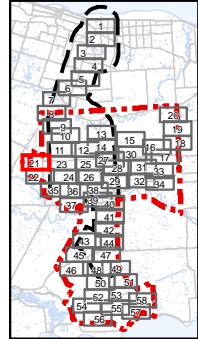


**Legend**

- |   |  |   |  |   |  |
|---|--|---|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSLL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|---|--|---|--|

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.

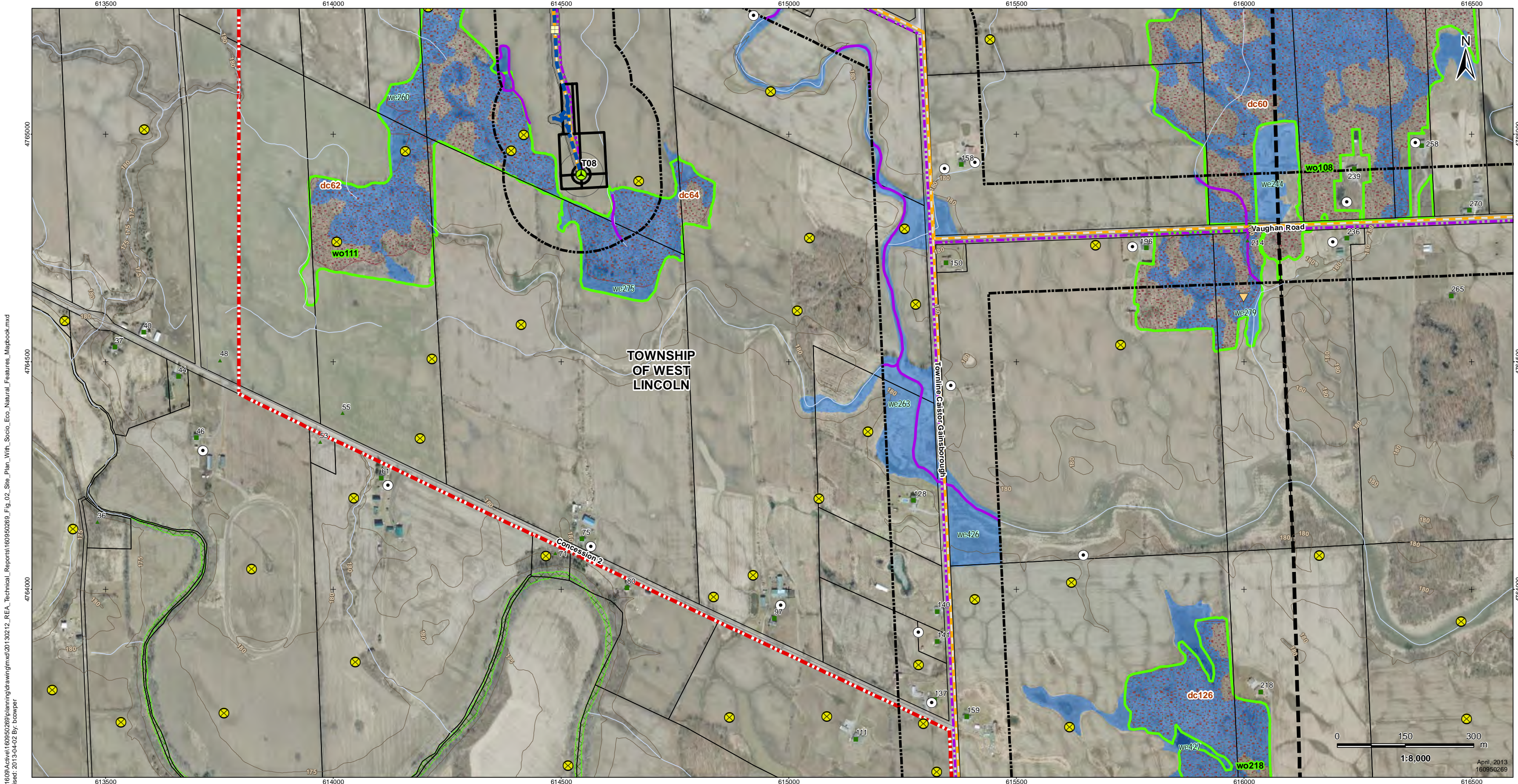


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.21

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.21**

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper



**Legend**

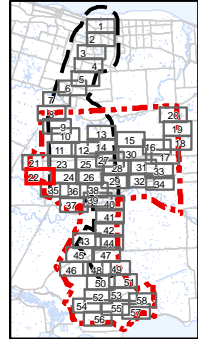
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
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3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



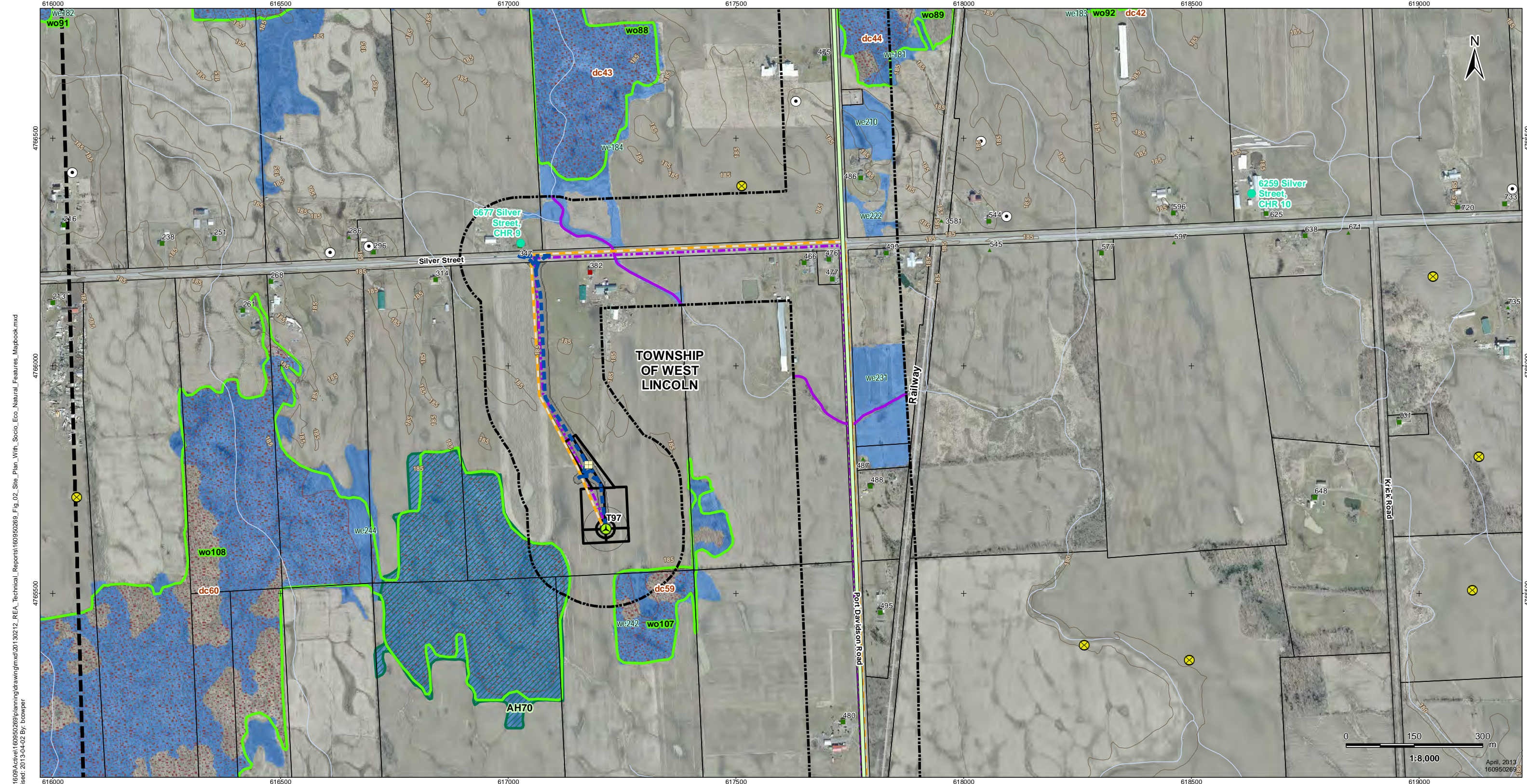
Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.22

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.22

April, 2013  
160950269





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 Revised: 2013-04-02 By: bcowper

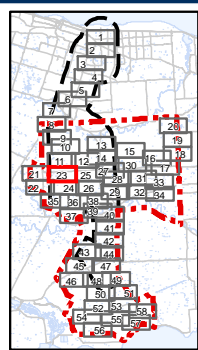


**Legend**

- |   |  |  |  |  |  |
|---|--|--|--|--|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|--|--|

**Notes**

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6. Noise receptors are identified within 1500m of any wind turbine.

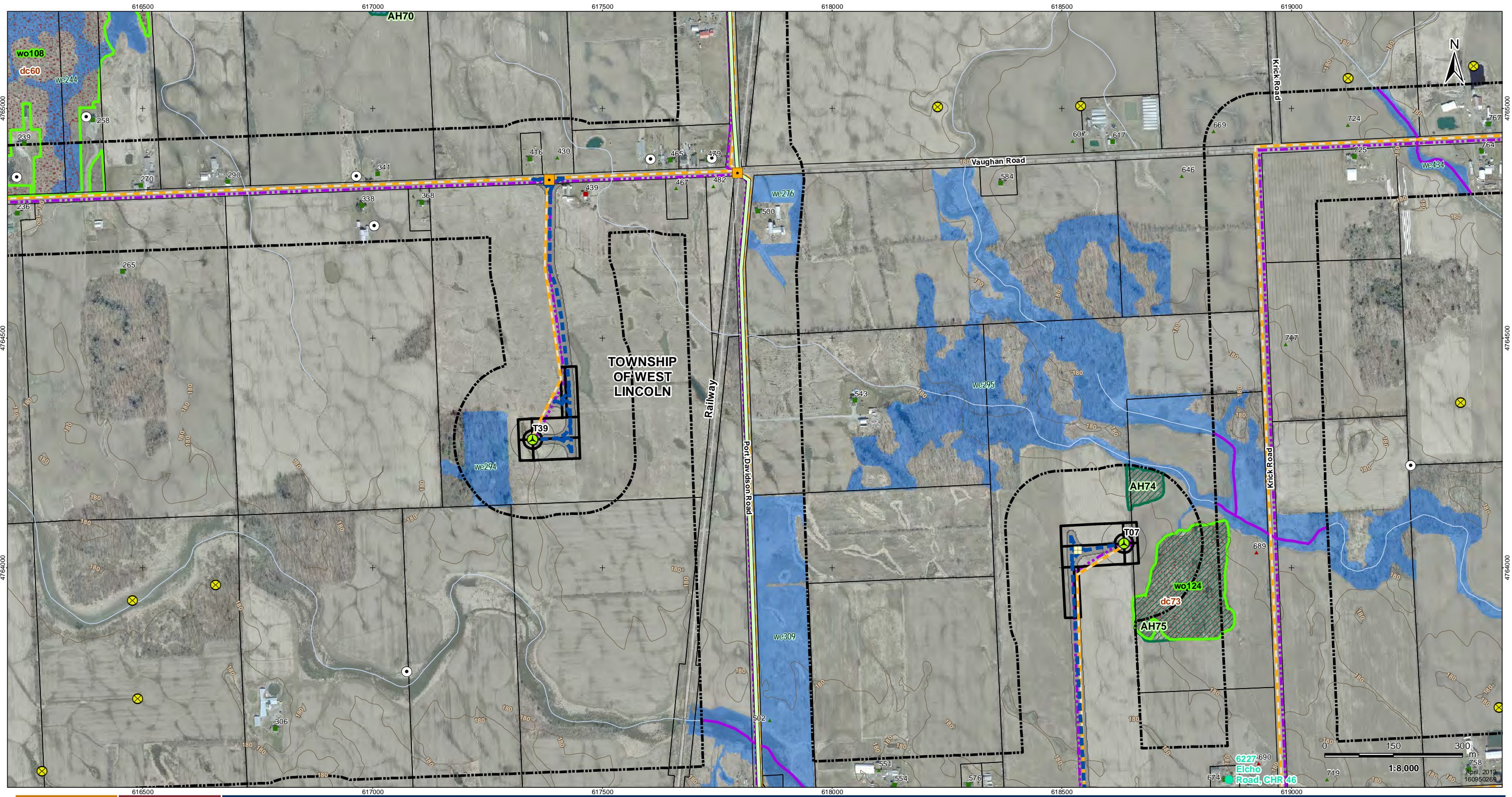


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.23

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.23**

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper

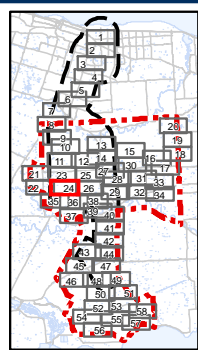


**Legend**

- |   |  |   |  |   |  |
|---|--|---|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSLS)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|---|--|---|--|

**Notes**

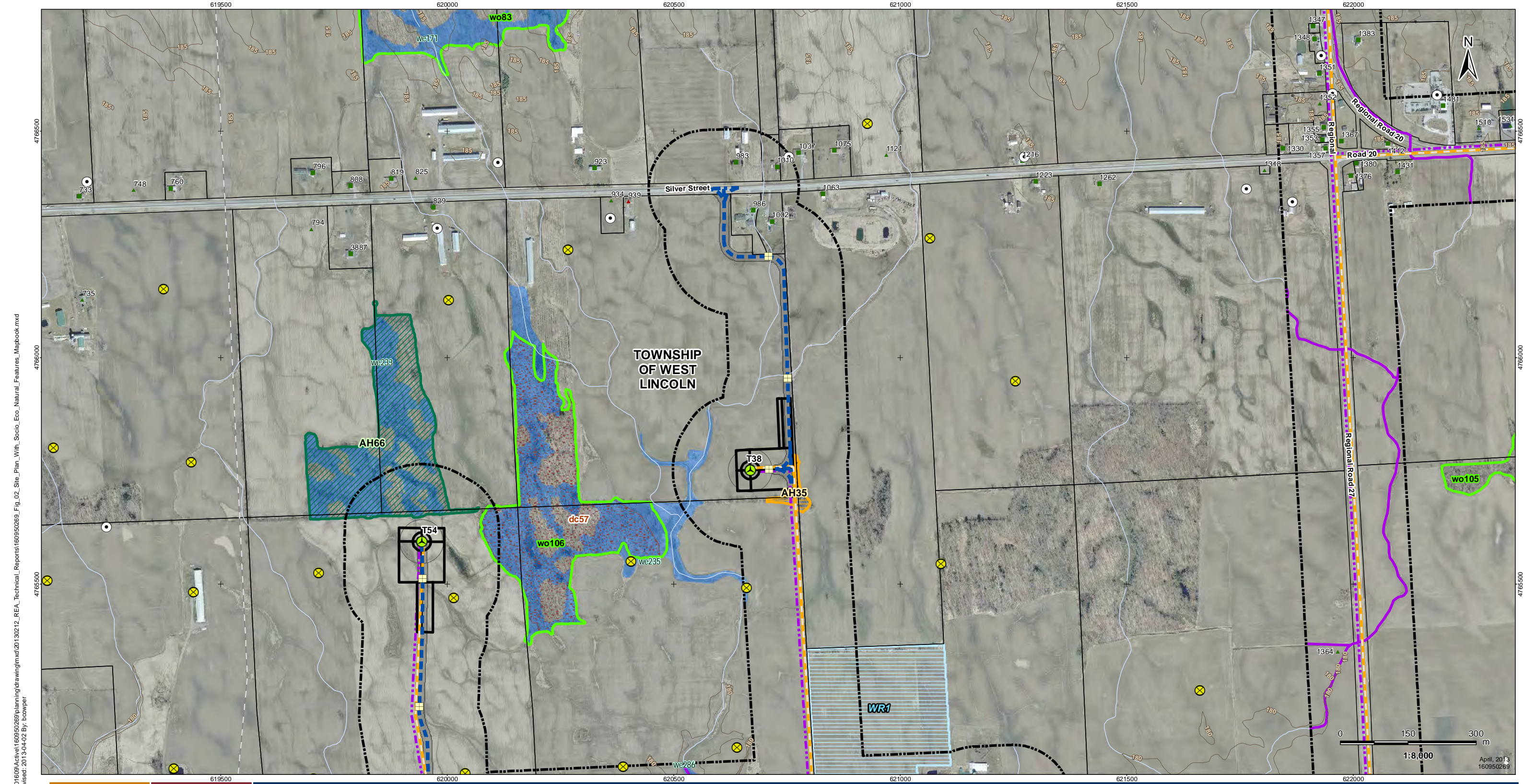
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
Niagara Region Wind Corporation

Figure No.  
**2.24**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.24



V:\01609\Active\1609502689\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\1609502689\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper

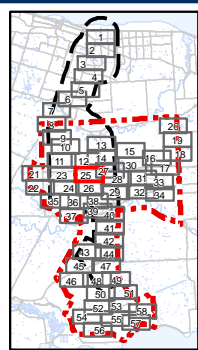


**Legend**

- |   |  |  |  |   |  |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) <sup>4</sup></li> <li> Water Well (MOE) <sup>5</sup></li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|---|--|

**Notes**

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6. Noise receptors are identified within 1500m of any wind turbine.

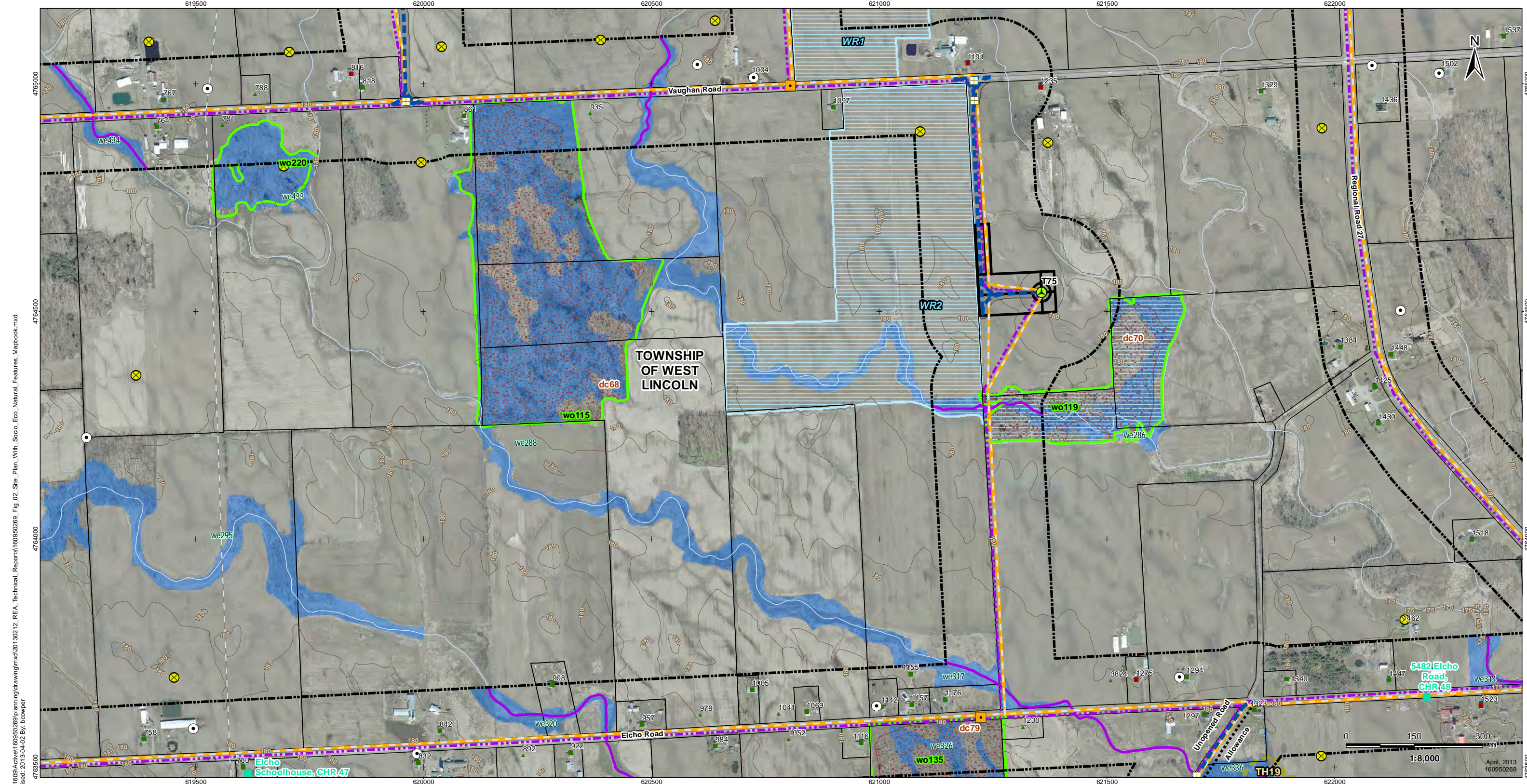


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.25

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.25

April, 2013  
1609502689



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 Revised: 2013-04-02 By: bcomp



**Legend**

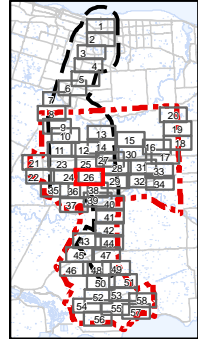
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

- Significant Wildlife Habitat
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area
- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

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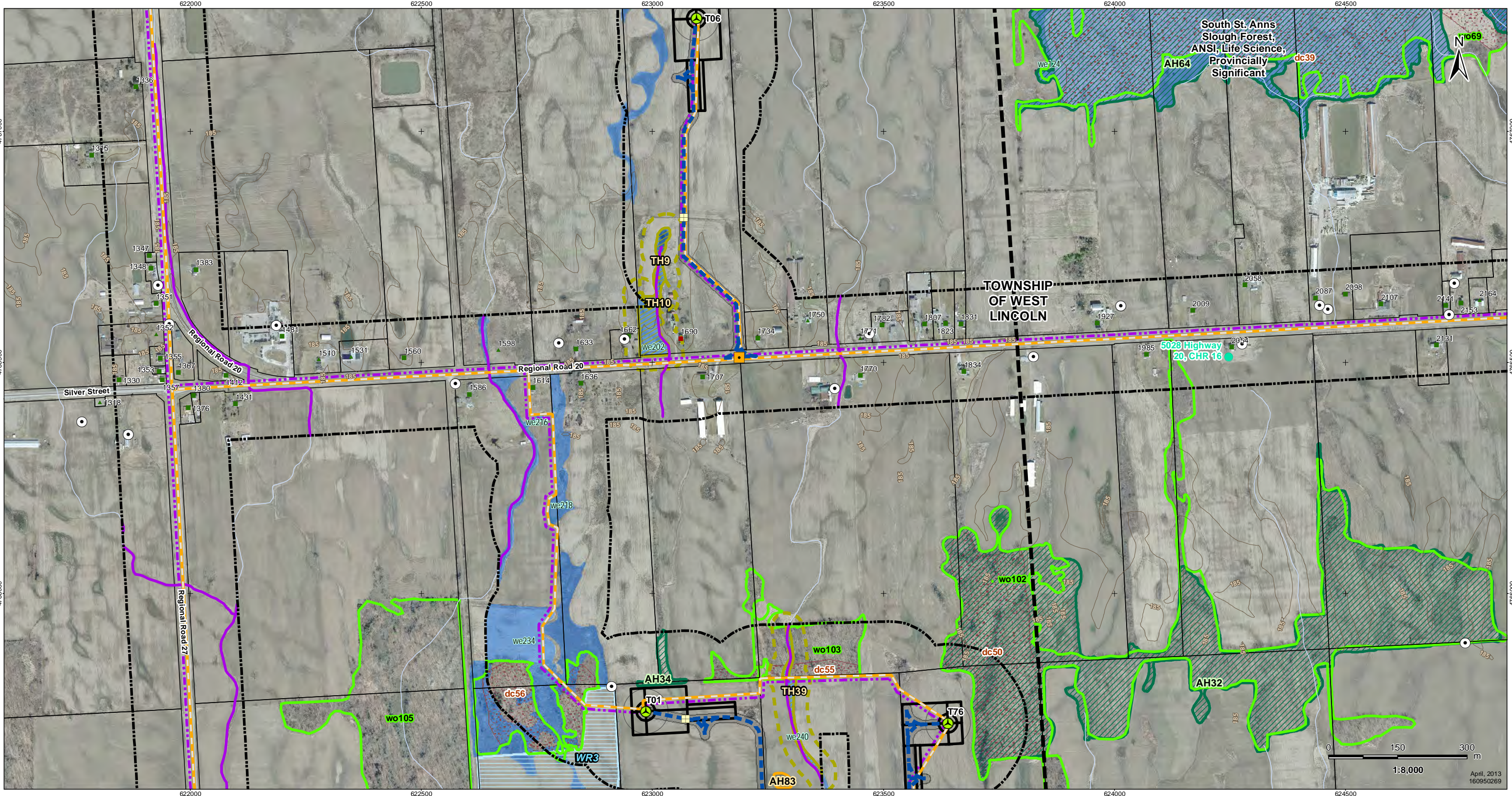


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.26

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.26

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper



**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features**
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

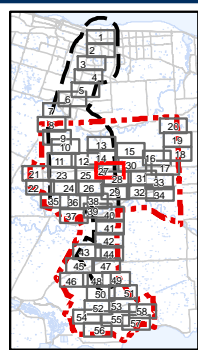
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Occupied
- Vacant
- Occupied
- Vacant

**Notes**

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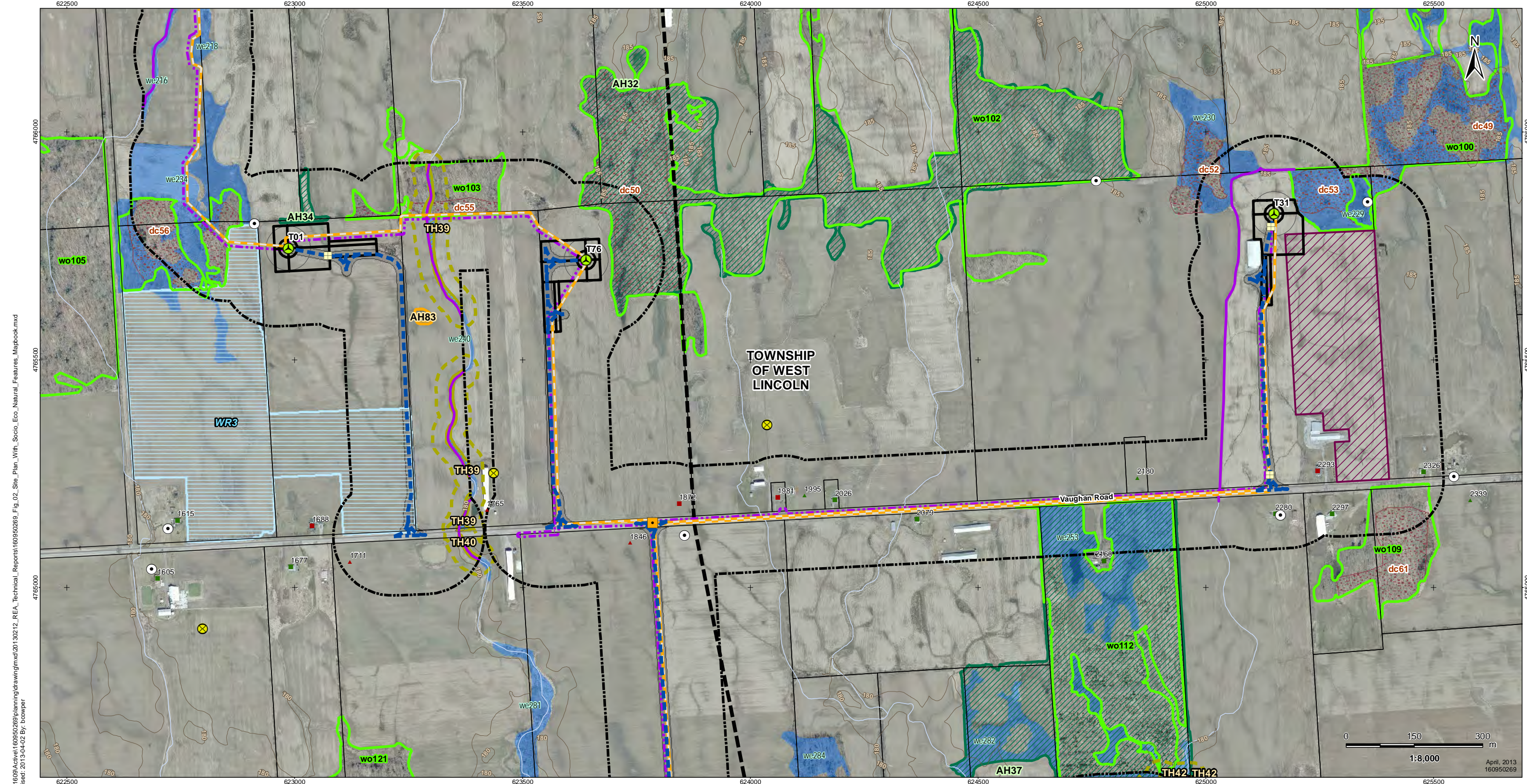


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.27

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.27

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper

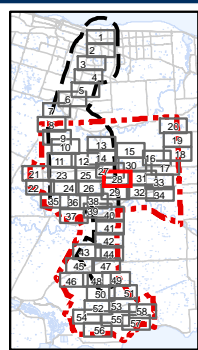


**Legend**

- |   |  |  |  |   |  |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|---|--|

**Notes**

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5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.

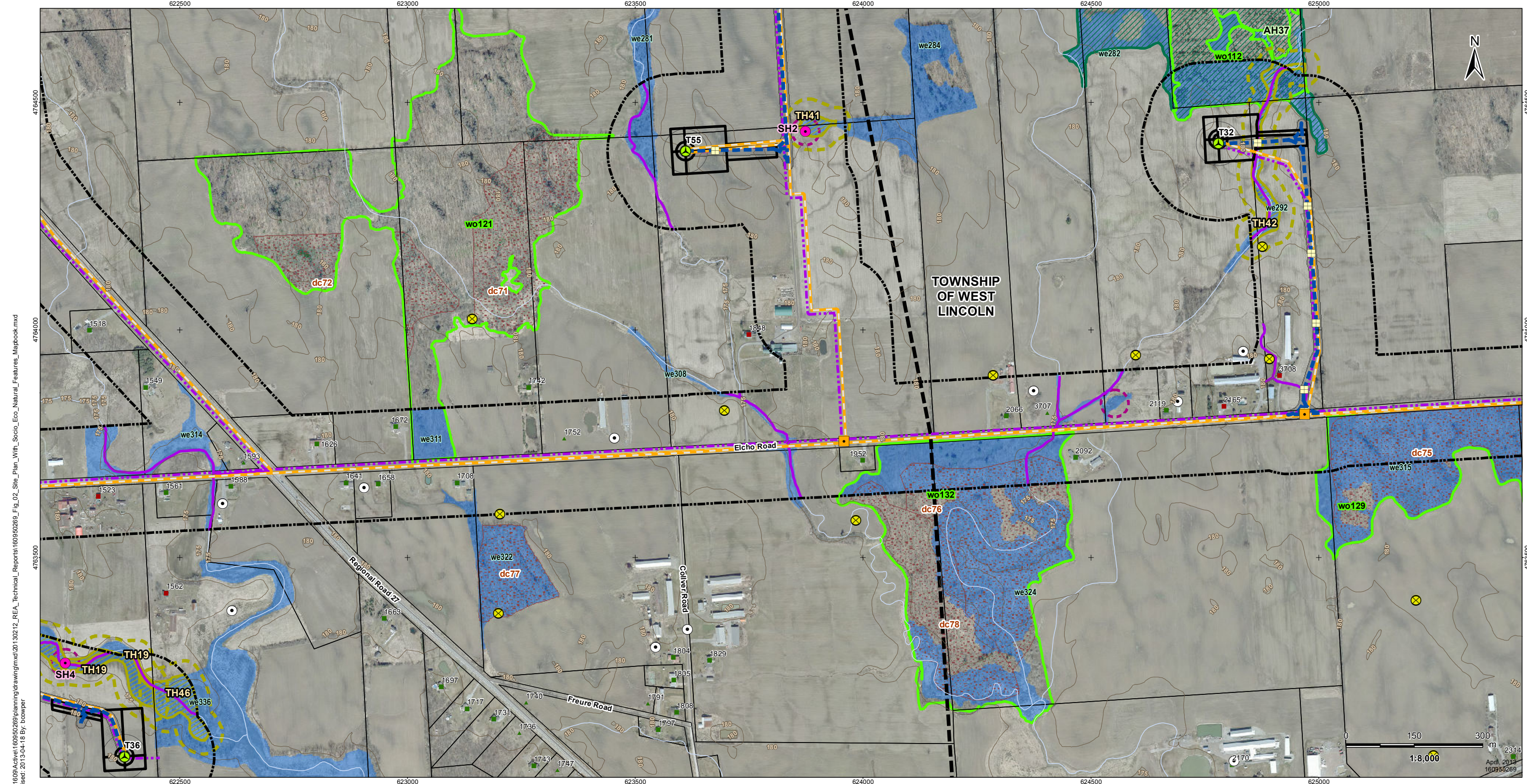


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.28

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.28

April, 2013  
160950269



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 Revised: 2013-04-18 By: bcowper

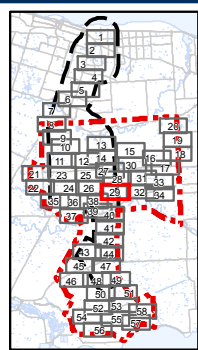


**Legend**

- |   |   |  |   |  |
|---|---|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li><b>Proposed Project Components</b></li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSLS)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Protected_Property_point</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) <sup>4</sup></li> <li> Water Well (MOE) <sup>5</sup></li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|---|--|---|--|

**Notes**

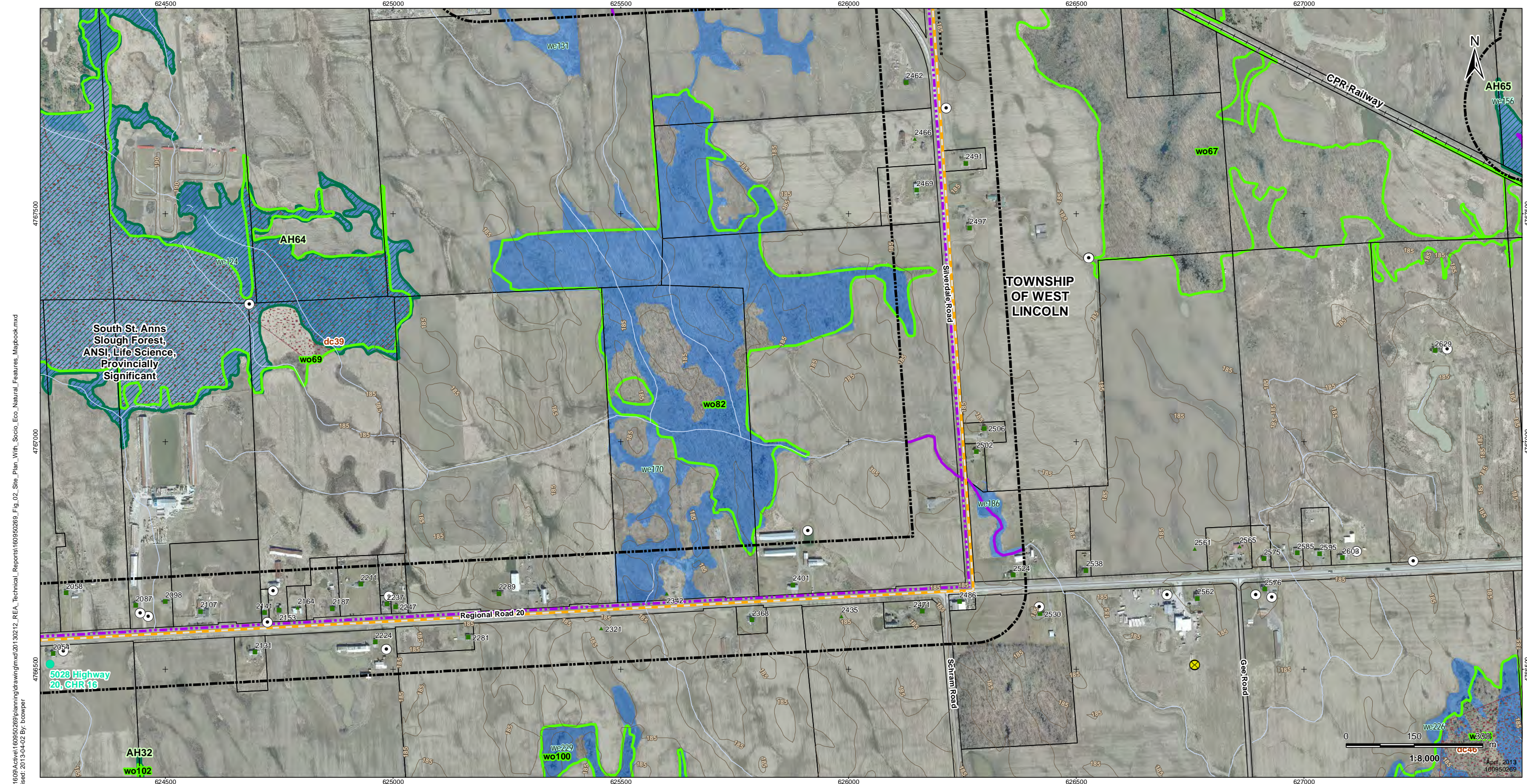
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.29

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.29



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 Revised: 2013-04-02 By: bcowper



**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

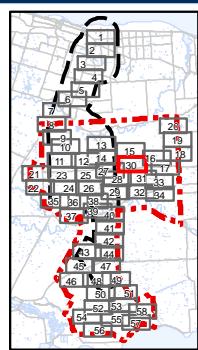
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

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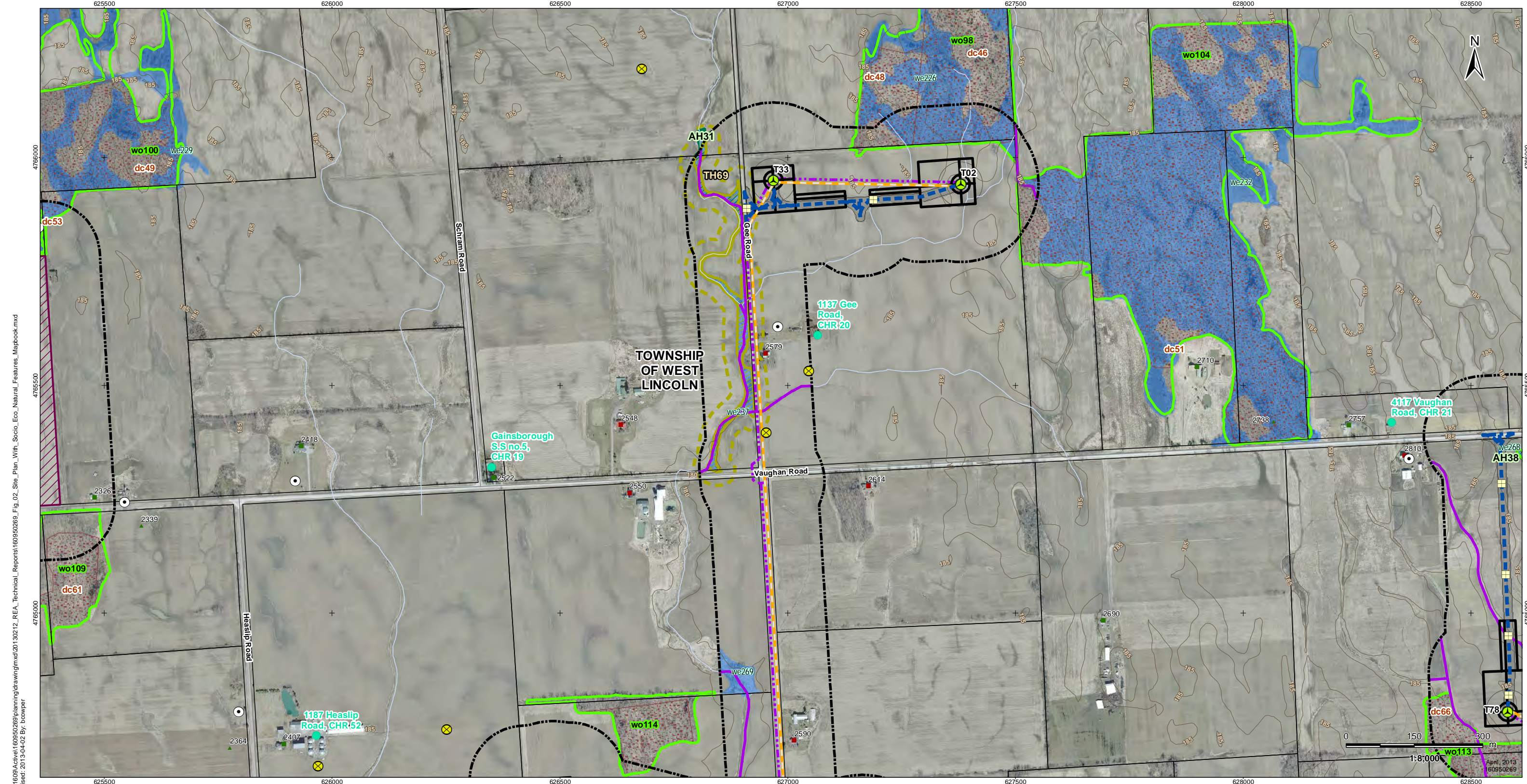


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.30

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.30





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 Revised: 2013-04-02 By: bcowper

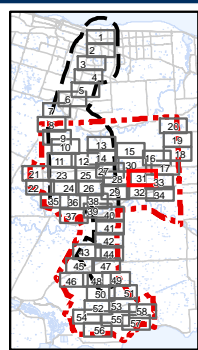


**Legend**

- |   |  |  |  |   |   |
|---|--|--|--|---|---|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <p><b>Significant Wildlife Habitat</b></p> <ul style="list-style-type: none"> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <p><b>Significant Natural Features</b></p> <ul style="list-style-type: none"> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> </ul> <p><b>Cultural Heritage Features</b></p> <ul style="list-style-type: none"> <li> Protected Property</li> <li> Cultural Heritage Resource</li> </ul> | <p><b>Non-participating Receptors <sup>5</sup></b></p> <ul style="list-style-type: none"> <li> Occupied</li> <li> Vacant</li> </ul> <p><b>Participating Noise Receptors <sup>5</sup></b></p> <ul style="list-style-type: none"> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|---|---|

**Notes**

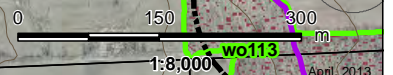
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
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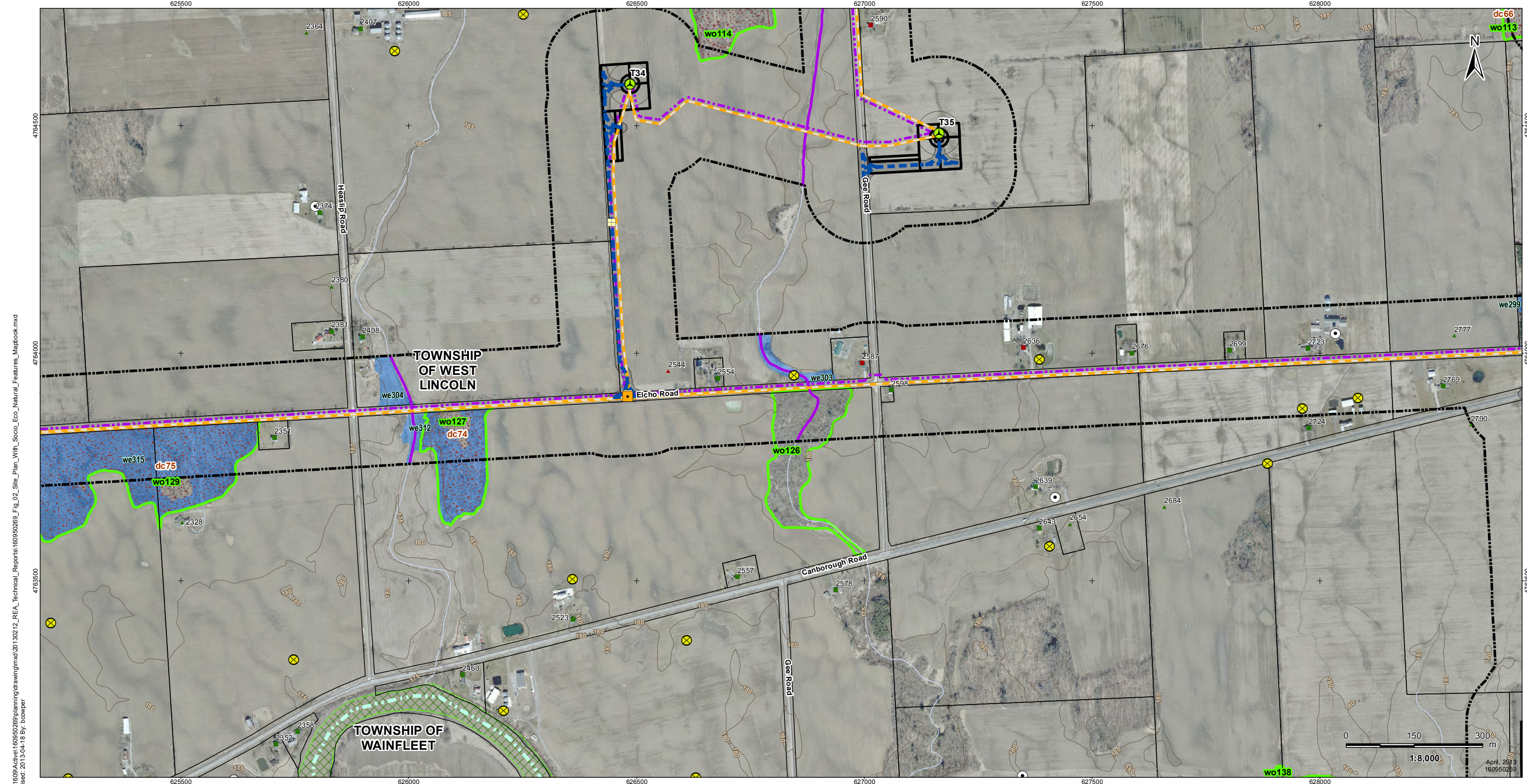


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.31

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.31





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 Revised: 2013-04-18 By: bcowper

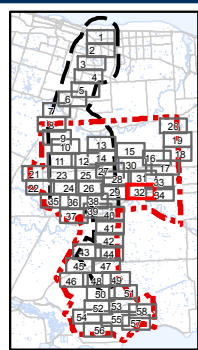


**Legend**

- |   |   |  |   |  |
|---|---|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li><b>Proposed Project Components</b></li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSLS)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Protected_Property_point</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|---|--|---|--|

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
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3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
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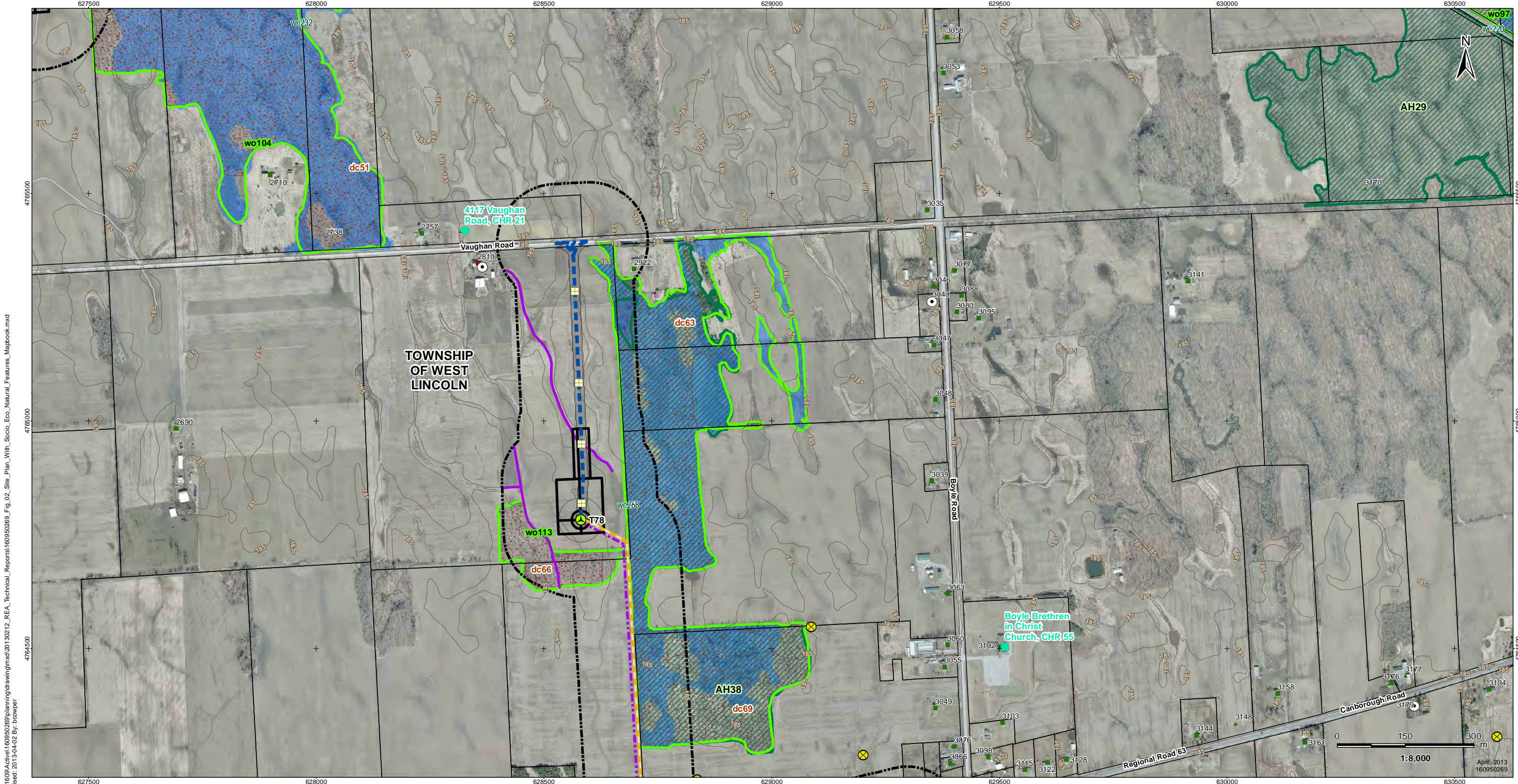


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.32

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.32





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 Revised: 2013-04-02 By: bcowper



**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSLL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

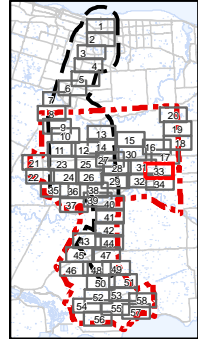
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
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3. Orthoimagery source: First Base Solutions, Date Spring 2010.
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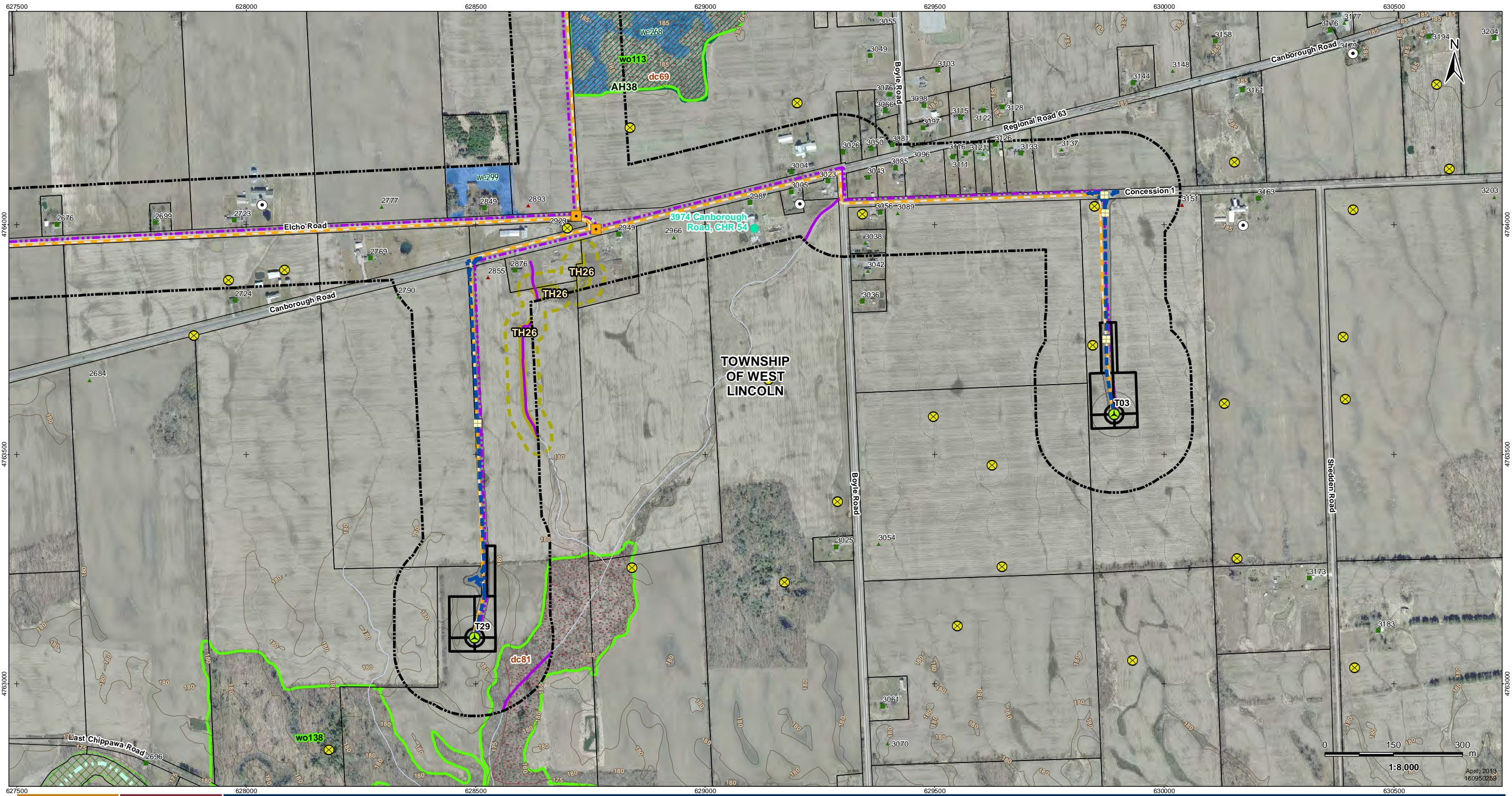


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.33

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.33

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper



**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
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- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features**
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

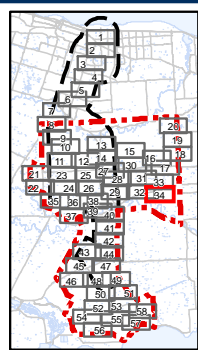
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

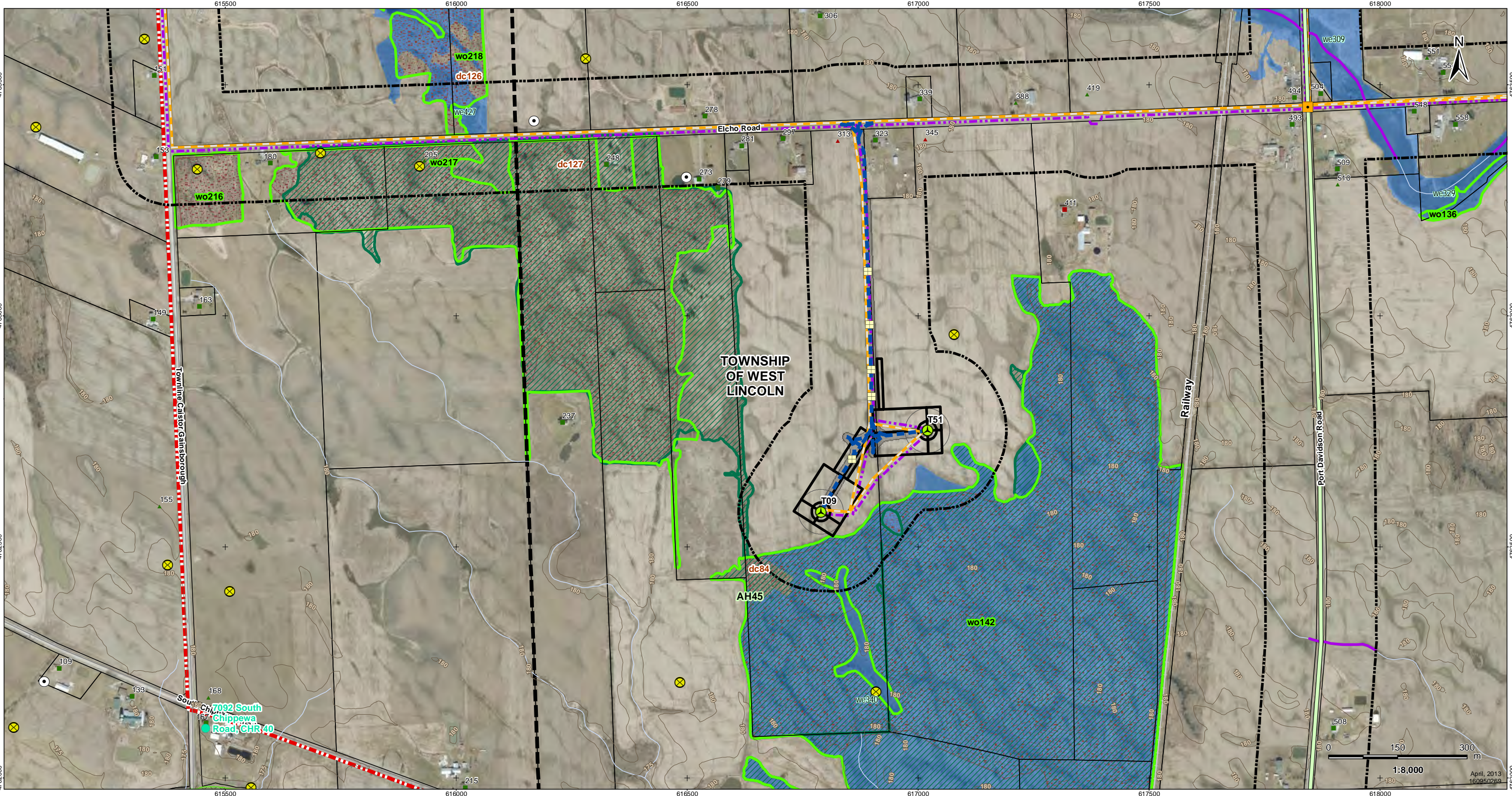
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Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.34

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.34

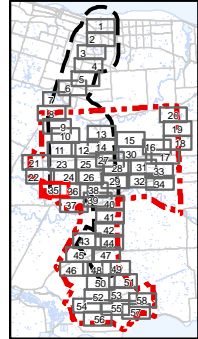


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 Revised: 2013-04-02 By: bcompw



Legend	
	Project Study Area
	Interconnector Study Area
	120m Zone of Investigation
	Proposed Project Components
	Proposed Turbine Location
	Turbine Blade Length
	Tap-in Location
	Transformer Substation Location
	Junction Box
	Proposed Culvert
	Preferred Transmission Line Route
	Alternate Transmission Line Route
	Temporary Laydown Area
	Collector Lines - Underground or Overhead
	Fibre Optic Line
	Potential Access Road
	Access Road 20m Construction Area
	Potential Construction Laydown Area
	Transformer Substation
	Existing Features
	Road
	Expressway / Highway
	Unopened Road Allowance
	Active Railway
	Abandoned Railway
	Existing Transmission Line
	Pipeline
	Topographic Contour (mAMSL)
	Watercourse (MNR)
	Waterbody (Stantec)
	Property Boundary
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	Wetland Amphibian Breeding Habitat
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	Turtle Nesting Habitat/ Snapping Turtle Habitat
	Turtle Habitat 30m Buffer
	Turtle Wintering Area
	Significant Natural Features
	Woodland Communities
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	ANSI, Earth Science, Provincially Significant (MNR)
	ANSI, Life Science, Provincially Significant (MNR)
	Cultural Heritage Features
	Protected Property
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	Landfill - Active (MOE)
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	Petroleum Well (OGSR) 4
	Water Well (MOE) 5
	Non-participating Receptors 5
	Occupied
	Vacant
	Participating Noise Receptors 5
	Occupied
	Vacant

Notes	
1.	Coordinate System: NAD 1983 UTM Zone 17N).
2.	Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3.	Orthoimagery source: First Base Solutions, Date Spring 2010.
4.	Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5.	MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6.	Noise receptors are identified within 1500m of any wind turbine.

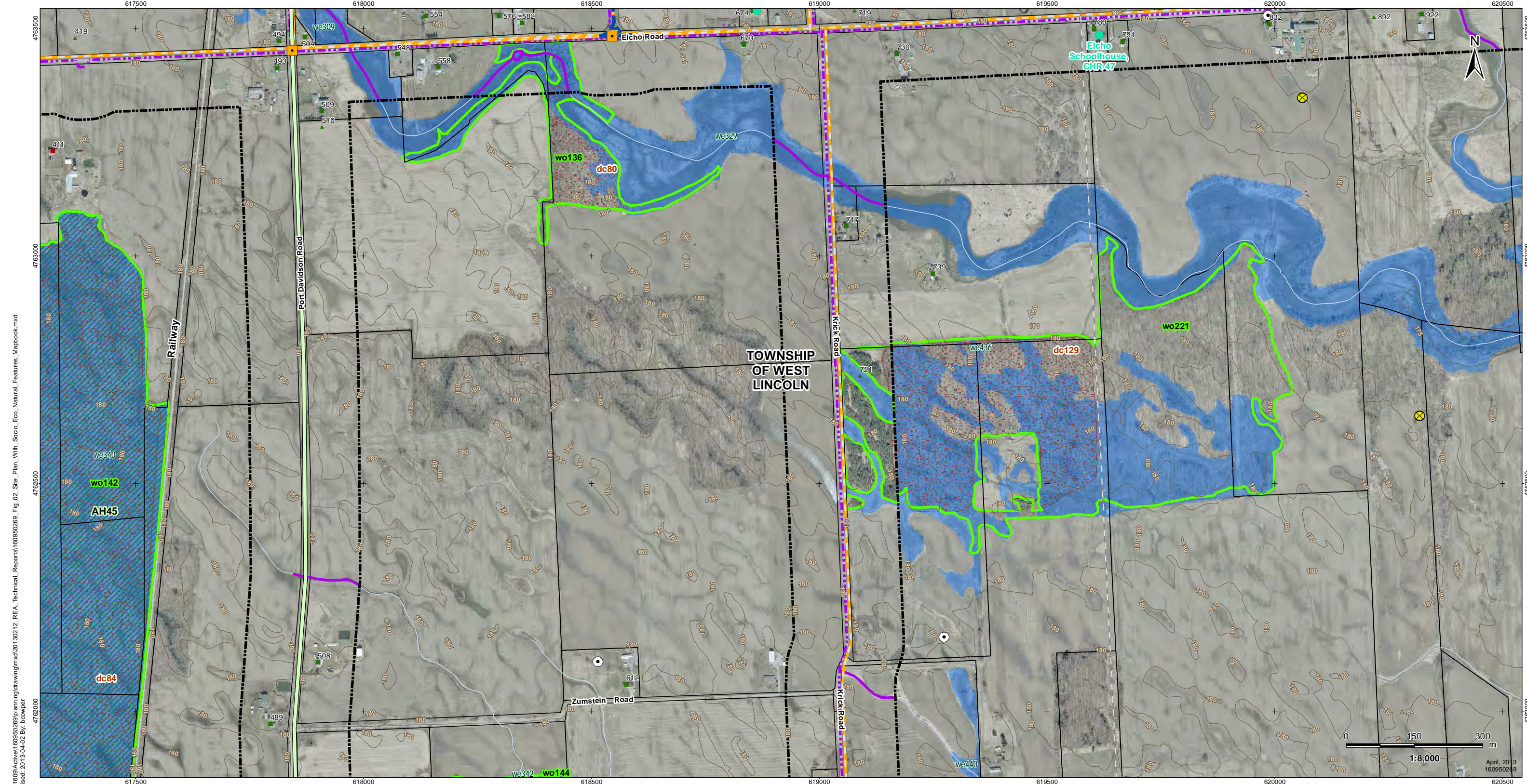


Client/Project  
 Niagara Region Wind Corporation

Figure No.  
 2.35

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
 Figure 2.35

April, 2013  
1609502689



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 Revised: 2013-04-02 By: bcowper

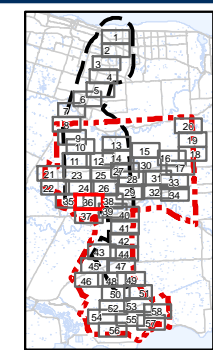


**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

- Significant Wildlife Habitat
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area
- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
  - Occupied
  - Vacant
  - Participating Noise Receptors 5
  - Occupied
  - Vacant
- Notes**
1. Coordinate System: NAD 1983 UTM Zone 17N).
  2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
  3. Orthimagery source: First Base Solutions, Date Spring 2010.
  4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
  5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
  6. Noise receptors are identified within 1500m of any wind turbine.

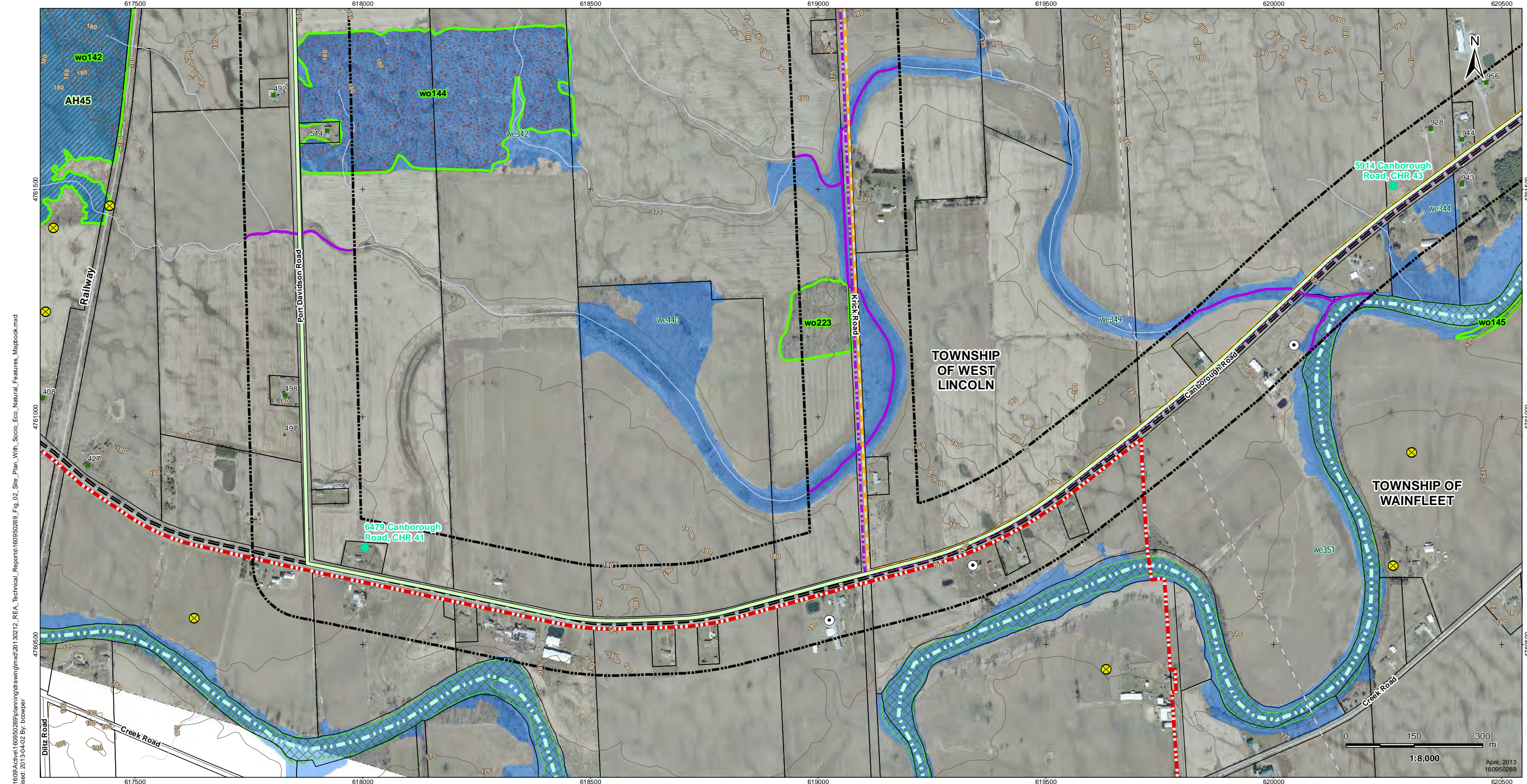


Client/Project  
Niagara Region Wind Corporation

Figure No.  
**2.36**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.36**

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper

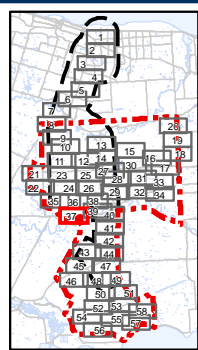


**Legend**

- |   |   |  |   |   |  |
|---|---|--|---|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li> Occupied</li> <li> Vacant</li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|---|--|---|---|--|

**Notes**

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3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



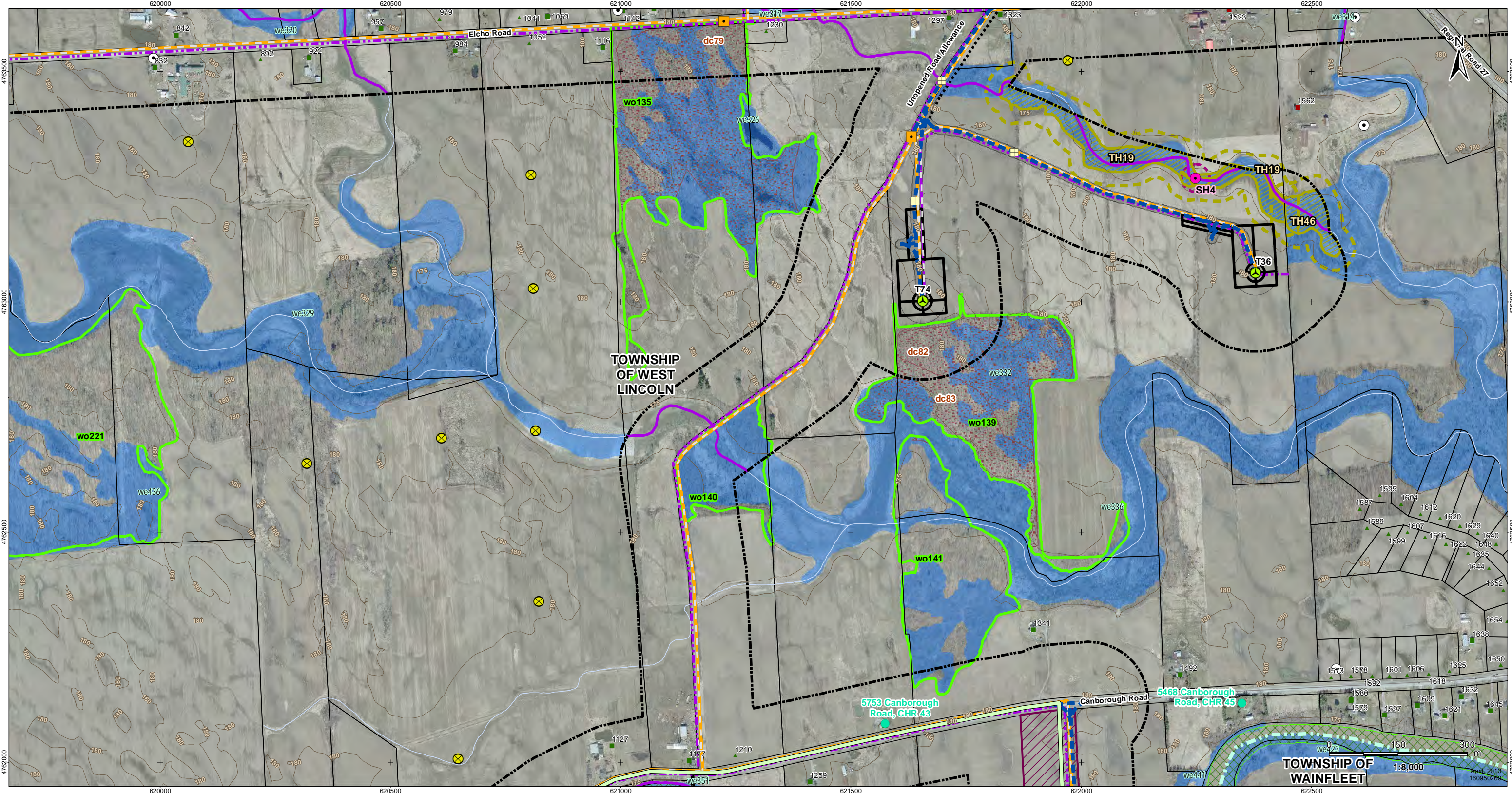
Client/Project  
Niagara Region Wind Corporation

Figure No.  
**2.37**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.37**

April, 2013  
160950269

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 Revised: 2013-04-02 By: bcowper



**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

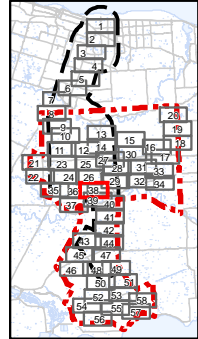
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

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3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.

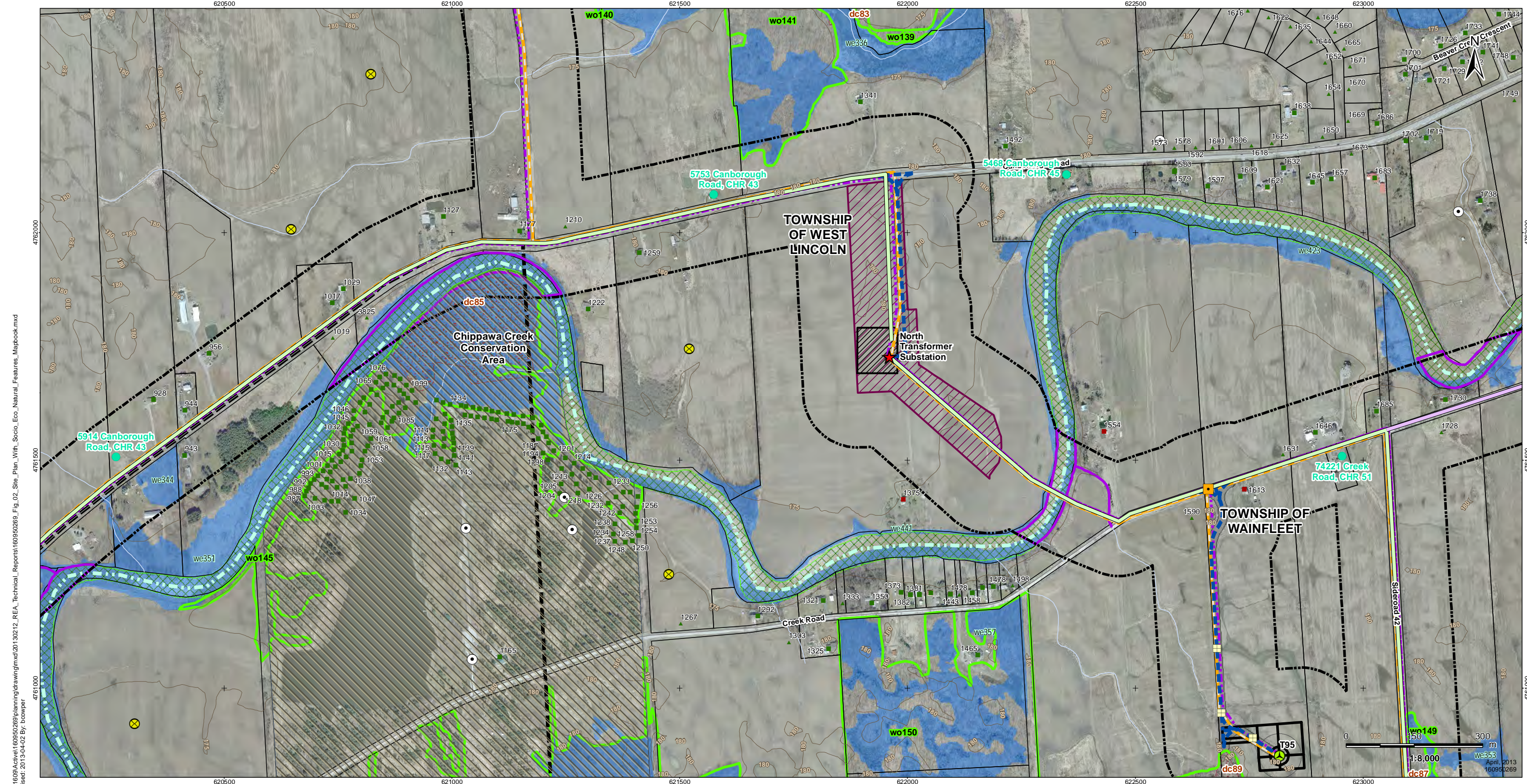


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.38

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.38





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 Revised: 2013-04-02 By: bcowper



**Legend**

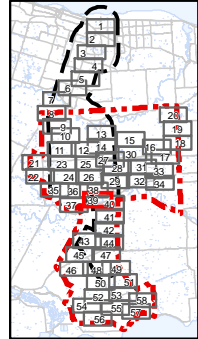
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines – Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features**
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

- Significant Wildlife Habitat**
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area
- Significant Natural Features**
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features**
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) <sup>4</sup>
- Water Well (MOE) <sup>5</sup>

- Non-participating Receptors <sup>5</sup>**
- Occupied
- Vacant
- Participating Noise Receptors <sup>5</sup>**
- Occupied
- Vacant

**Notes**

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3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
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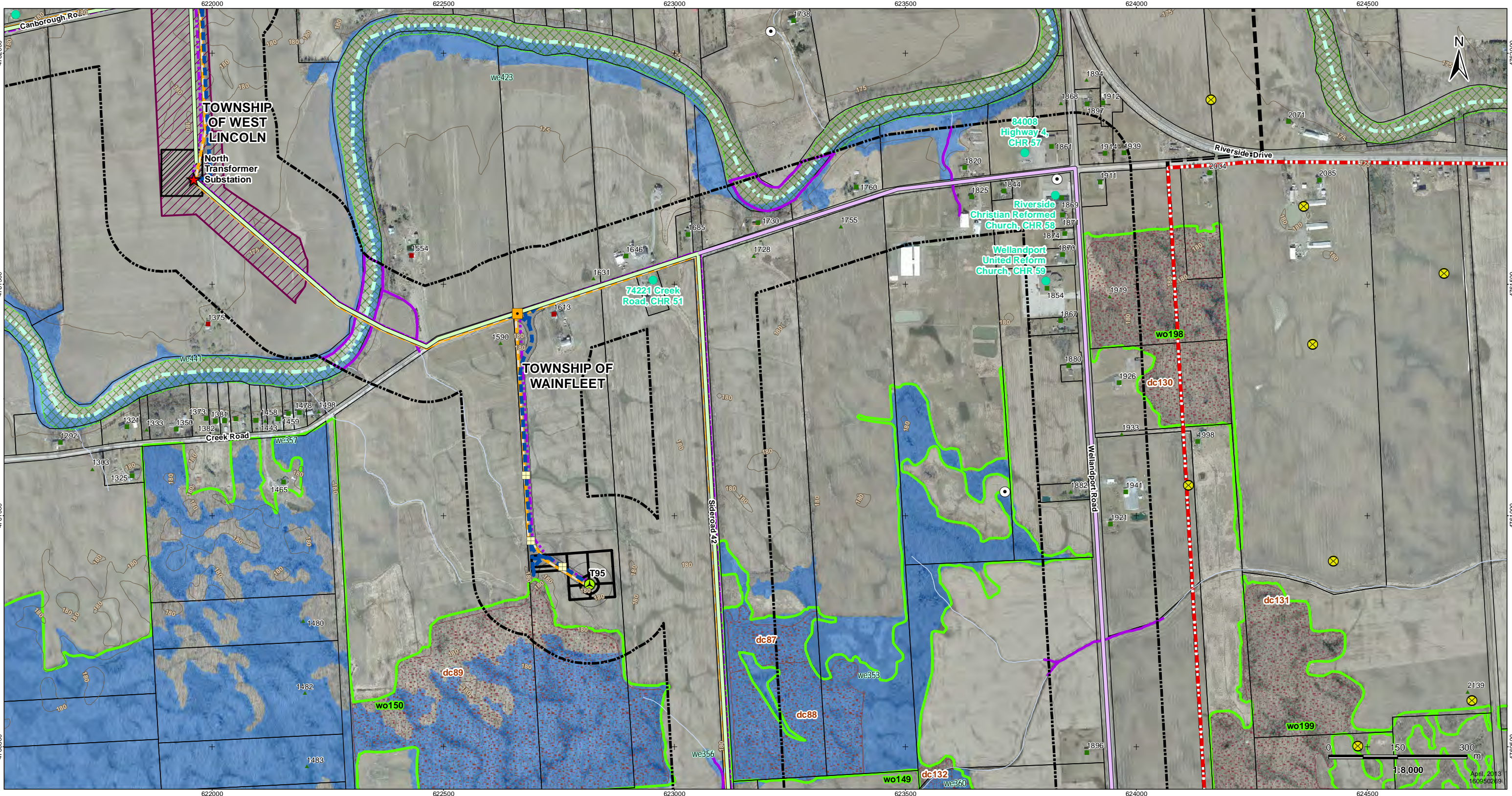


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.39

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.39

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 Revised: 2013-04-02 By: bcowper

### Legend

<ul style="list-style-type: none"> <li><span style="border: 1px solid red; padding: 2px;"> </span> Project Study Area</li> <li><span style="border: 2px solid black; padding: 2px;"> </span> Interconnector Study Area</li> <li><span style="border: 1px dashed black; padding: 2px;"> </span> 120m Zone of Investigation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black; margin-right: 5px;"></span> Proposed Project Components</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black; margin-right: 5px;"></span> Proposed Turbine Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Turbine Blade Length</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Tap-in Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Transformer Substation Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Junction Box</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Proposed Culvert</li> <li><span style="border-bottom: 1px solid green; width: 10px; display: inline-block; margin-right: 5px;"></span> Preferred Transmission Line Route</li> <li><span style="border-bottom: 1px solid purple; width: 10px; display: inline-block; margin-right: 5px;"></span> Alternate Transmission Line Route</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block; margin-right: 5px;"></span> Temporary Laydown Area</li> <li><span style="border-bottom: 1px solid orange; width: 10px; display: inline-block; margin-right: 5px;"></span> Collector Lines – Underground or Overhead</li> <li><span style="border-bottom: 1px dashed blue; width: 10px; display: inline-block; margin-right: 5px;"></span> Fibre Optic Line</li> <li><span style="border-bottom: 1px solid blue; width: 10px; display: inline-block; margin-right: 5px;"></span> Potential Access Road</li> <li><span style="border-bottom: 1px solid grey; width: 10px; display: inline-block; margin-right: 5px;"></span> Access Road 20m Construction Area</li> <li><span style="border-bottom: 1px solid purple; width: 10px; display: inline-block; margin-right: 5px;"></span> Potential Construction Laydown Area</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block; margin-right: 5px;"></span> Transformer Substation</li> </ul> <p>Existing Features</p> <ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block; margin-right: 5px;"></span> Road</li> <li><span style="border-bottom: 1px solid orange; width: 10px; display: inline-block; margin-right: 5px;"></span> Expressway / Highway</li> <li><span style="border-bottom: 1px dashed black; width: 10px; display: inline-block; margin-right: 5px;"></span> Unopened Road Allowance</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block; margin-right: 5px;"></span> Active Railway</li> <li><span style="border-bottom: 1px solid grey; width: 10px; display: inline-block; margin-right: 5px;"></span> Abandoned Railway</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block; margin-right: 5px;"></span> Existing Transmission Line</li> <li><span style="border-bottom: 1px solid red; width: 10px; display: inline-block; margin-right: 5px;"></span> Pipeline</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block; margin-right: 5px;"></span> Topographic Contour (mAMSL)</li> <li><span style="border-bottom: 1px solid blue; width: 10px; display: inline-block; margin-right: 5px;"></span> Watercourse (MNR)</li> <li><span style="border-bottom: 1px solid purple; width: 10px; display: inline-block; margin-right: 5px;"></span> Waterbody (Stantec)</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block; margin-right: 5px;"></span> Property Boundary</li> <li><span style="border-bottom: 1px solid black; width: 10px; display: inline-block; margin-right: 5px;"></span> Municipality Lower Tier</li> <li><span style="border-bottom: 1px solid red; width: 10px; display: inline-block; margin-right: 5px;"></span> Niagara Escarpment Plan Area (NEC)</li> <li><span style="border-bottom: 1px solid yellow; width: 10px; display: inline-block; margin-right: 5px;"></span> Greenbelt Natural Heritage System</li> <li><span style="border-bottom: 1px solid grey; width: 10px; display: inline-block; margin-right: 5px;"></span> Conservation Areas (NPCA)</li> <li><span style="border-bottom: 1px solid pink; width: 10px; display: inline-block; margin-right: 5px;"></span> Greenbelt Plan Area (MMAH)</li> </ul>	<p>Significant Wildlife Habitat</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF00FF; border: 1px solid black; margin-right: 5px;"></span> Snake Hibernacula</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF00FF; border: 1px solid black; margin-right: 5px;"></span> Snake Hibernacula 30m Buffer</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ADD8E6; border: 1px solid black; margin-right: 5px;"></span> Raptor Wintering Areas</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ADD8E6; border: 1px solid black; margin-right: 5px;"></span> Deer Congregation Areas (MNR) (Generalized)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FFA500; border: 1px solid black; margin-right: 5px;"></span> Wetland Amphibian Breeding Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #008000; border: 1px solid black; margin-right: 5px;"></span> Woodland Amphibian Breeding Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FFD700; border: 1px solid black; margin-right: 5px;"></span> Other Rare Vegetation Community</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF00FF; border: 1px solid black; margin-right: 5px;"></span> Landbird Migratory Stopover</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FFD700; border: 1px solid black; margin-right: 5px;"></span> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FFD700; border: 1px solid black; margin-right: 5px;"></span> Turtle Habitat 30m Buffer</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #008000; border: 1px solid black; margin-right: 5px;"></span> Turtle Wintering Area</li> </ul>	<p>Significant Natural Features</p> <ul style="list-style-type: none"> <li><span style="border: 1px solid green; padding: 2px;"> </span> Woodland Communities</li> <li><span style="border: 1px solid blue; padding: 2px;"> </span> Wetland Communities</li> <li><span style="border: 1px solid orange; padding: 2px;"> </span> ANSI, Earth Science, Provincially Significant (MNR)</li> <li><span style="border: 1px solid purple; padding: 2px;"> </span> ANSI, Life Science, Provincially Significant (MNR)</li> </ul> <p>Cultural Heritage Features</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF00FF; border: 1px solid black; margin-right: 5px;"></span> Protected Property</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ADD8E6; border: 1px solid black; margin-right: 5px;"></span> Cultural Heritage Resource</li> </ul> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black; margin-right: 5px;"></span> Landfill - Active (MOE)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FFD700; border: 1px solid black; margin-right: 5px;"></span> Landfill - Closed (MOE)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FFD700; border: 1px solid black; margin-right: 5px;"></span> Petroleum Well (OGSR) <sup>4</sup></li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Water Well (MOE) <sup>5</sup></li> </ul>	<p>Non-participating Receptors <sup>5</sup></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #90EE90; border: 1px solid black; margin-right: 5px;"></span> Occupied</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ADD8E6; border: 1px solid black; margin-right: 5px;"></span> Vacant</li> </ul> <p>Participating Noise Receptors <sup>5</sup></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF0000; border: 1px solid black; margin-right: 5px;"></span> Occupied</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #FF0000; border: 1px solid black; margin-right: 5px;"></span> Vacant</li> </ul>
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Client/Project  
Niagara Region Wind Corporation

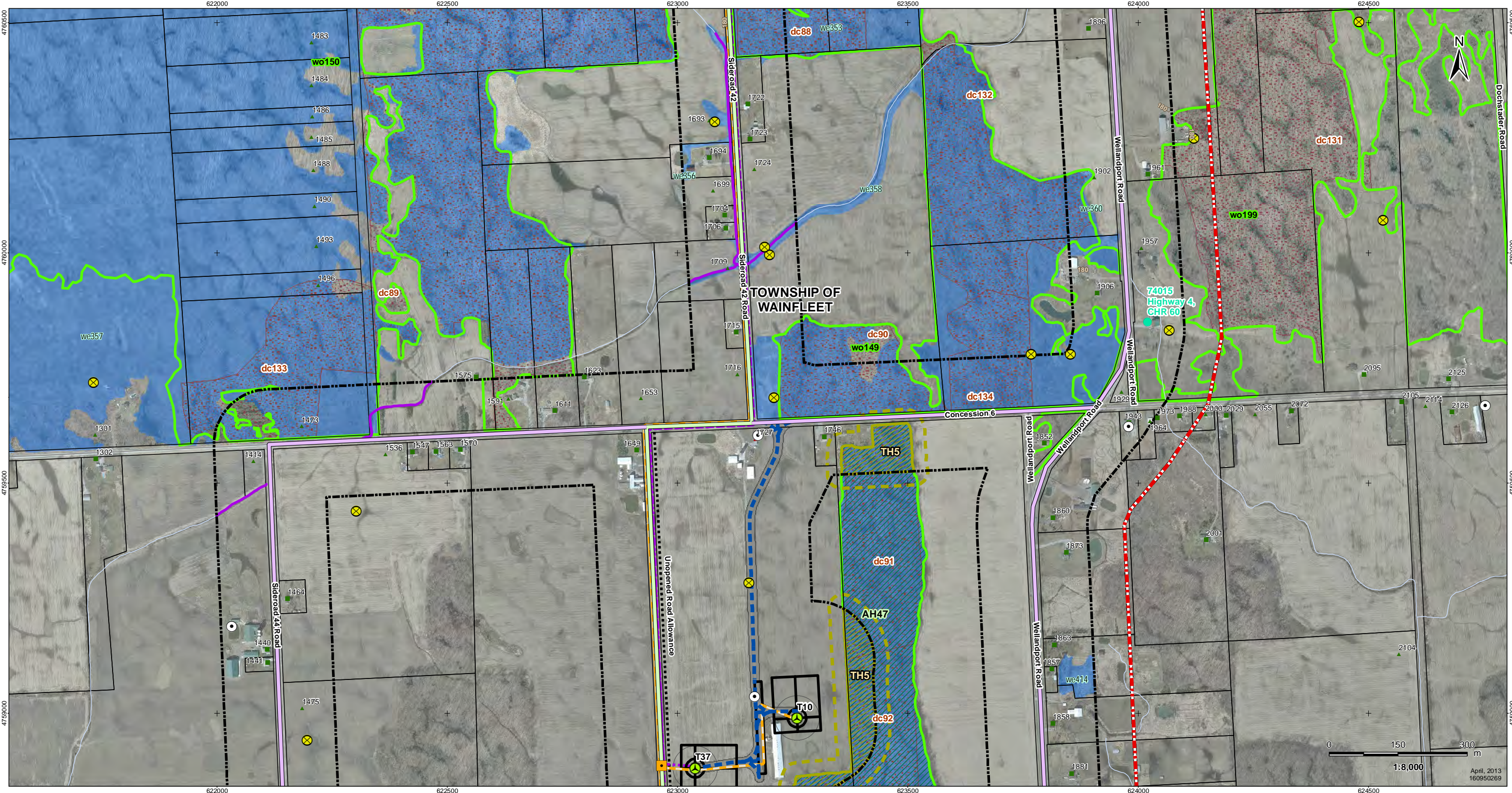
Figure No.  
2.40

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.40

### Notes

1. Coordinate System: NAD 1983 UTM Zone 17N).
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3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.

V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
Revised: 2013-04-02 By: bcowper



62200 62250 62300 62350 62400 62450  
4759000 4759500 4760000 4760500



**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSLL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

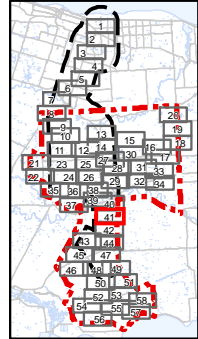
- Significant Wildlife Habitat
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

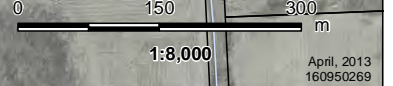
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



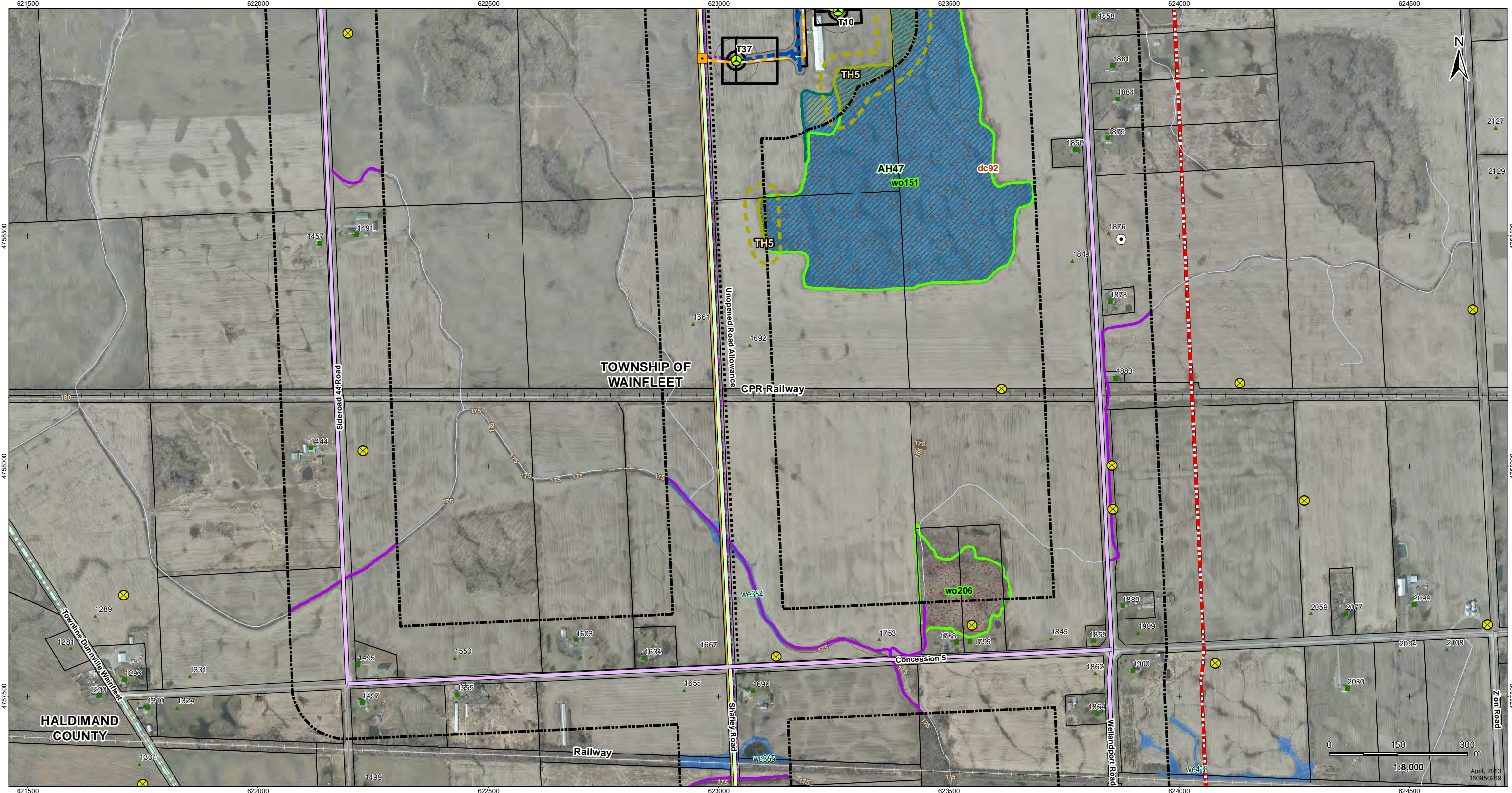
Client/Project  
Niagara Region Wind Corporation


Figure No.  
2.41

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.41



V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper



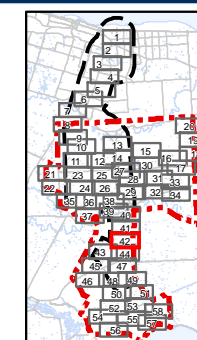


### Legend

<ul style="list-style-type: none"> <li><span style="border: 1px dashed red; padding: 2px;"> </span> Project Study Area</li> <li><span style="border: 1px dashed black; padding: 2px;"> </span> Interconnector Study Area</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> 120m Zone of Investigation</li> <li><span style="color: green;">●</span> Proposed Turbine Location</li> <li><span style="color: green;">○</span> Turbine Blade Length</li> <li><span style="color: green;">★</span> Tap-in Location</li> <li><span style="color: red;">★</span> Transformer Substation Location</li> <li><span style="color: orange;">■</span> Junction Box</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Proposed Culvert</li> <li><span style="border-bottom: 1px solid green; width: 20px; display: inline-block;"></span> Preferred Transmission Line Route</li> <li><span style="border-bottom: 1px solid purple; width: 20px; display: inline-block;"></span> Alternate Transmission Line Route</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Temporary Laydown Area</li> <li><span style="border-bottom: 1px solid orange; width: 20px; display: inline-block;"></span> Collector Lines – Underground or Overhead</li> <li><span style="border-bottom: 1px dashed blue; width: 20px; display: inline-block;"></span> Fibre Optic Line</li> <li><span style="border-bottom: 1px solid blue; width: 20px; display: inline-block;"></span> Potential Access Road</li> <li><span style="border: 1px solid grey; padding: 2px;"> </span> Access Road 20m Construction Area</li> <li><span style="border: 1px solid purple; padding: 2px;"> </span> Potential Construction Laydown Area</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Transformer Substation</li> <li><b>Existing Features</b></li> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Road</li> <li><span style="border-bottom: 1px solid orange; width: 20px; display: inline-block;"></span> Expressway / Highway</li> <li><span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span> Unopened Road Allowance</li> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Active Railway</li> <li><span style="border-bottom: 1px solid grey; width: 20px; display: inline-block;"></span> Abandoned Railway</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Existing Transmission Line</li> <li><span style="border-bottom: 1px solid red; width: 20px; display: inline-block;"></span> Pipeline</li> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Topographic Contour (mAMSL)</li> <li><span style="border-bottom: 1px solid blue; width: 20px; display: inline-block;"></span> Watercourse (MNR)</li> <li><span style="border-bottom: 1px solid purple; width: 20px; display: inline-block;"></span> Waterbody (Stantec)</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Property Boundary</li> <li><span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span> Municipality Lower Tier</li> <li><span style="border: 1px solid red; padding: 2px;"> </span> Niagara Escarpment Plan Area (NEC)</li> <li><span style="border: 1px solid yellow; padding: 2px;"> </span> Greenbelt Natural Heritage System</li> <li><span style="border: 1px solid grey; padding: 2px;"> </span> Conservation Areas (NPCA)</li> <li><span style="border: 1px solid pink; padding: 2px;"> </span> Greenbelt Plan Area (MMAH)</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: pink;">●</span> Snake Hibernacula</li> <li><span style="color: pink;">○</span> Snake Hibernacula 30m Buffer</li> <li><span style="color: blue;">○</span> Raptor Wintering Areas</li> <li><span style="color: blue;">○</span> Deer Congregation Areas (MNR) (Generalized)</li> <li><span style="color: orange;">■</span> Wetland Amphibian Breeding Habitat</li> <li><span style="color: green;">■</span> Woodland Amphibian Breeding Habitat</li> <li><span style="color: yellow;">■</span> Other Rare Vegetation Community</li> <li><span style="color: pink;">■</span> Landbird Migratory Stopover</li> <li><span style="color: yellow;">■</span> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li><span style="color: green;">○</span> Turtle Habitat 30m Buffer</li> <li><span style="color: green;">○</span> Turtle Wintering Area</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid green; padding: 2px;"> </span> Significant Natural Features</li> <li><span style="border: 1px solid blue; padding: 2px;"> </span> Woodland Communities</li> <li><span style="border: 1px solid blue; padding: 2px;"> </span> Wetland Communities</li> <li><span style="border: 1px solid orange; padding: 2px;"> </span> ANSI, Earth Science, Provincially Significant (MNR)</li> <li><span style="border: 1px solid pink; padding: 2px;"> </span> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li><span style="color: pink;">●</span> Protected Property</li> <li><span style="color: blue;">○</span> Cultural Heritage Resource</li> <li><span style="color: green;">▼</span> Landfill - Active (MOE)</li> <li><span style="color: orange;">▼</span> Landfill - Closed (MOE)</li> <li><span style="color: orange;">⊗</span> Petroleum Well (OGSR) <sup>4</sup></li> <li><span style="color: blue;">○</span> Water Well (MOE) <sup>5</sup></li> </ul>	<ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li><span style="color: green;">▲</span> Occupied</li> <li><span style="color: green;">▲</span> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li><span style="color: red;">▲</span> Occupied</li> <li><span style="color: red;">▲</span> Vacant</li> </ul>
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**Notes**

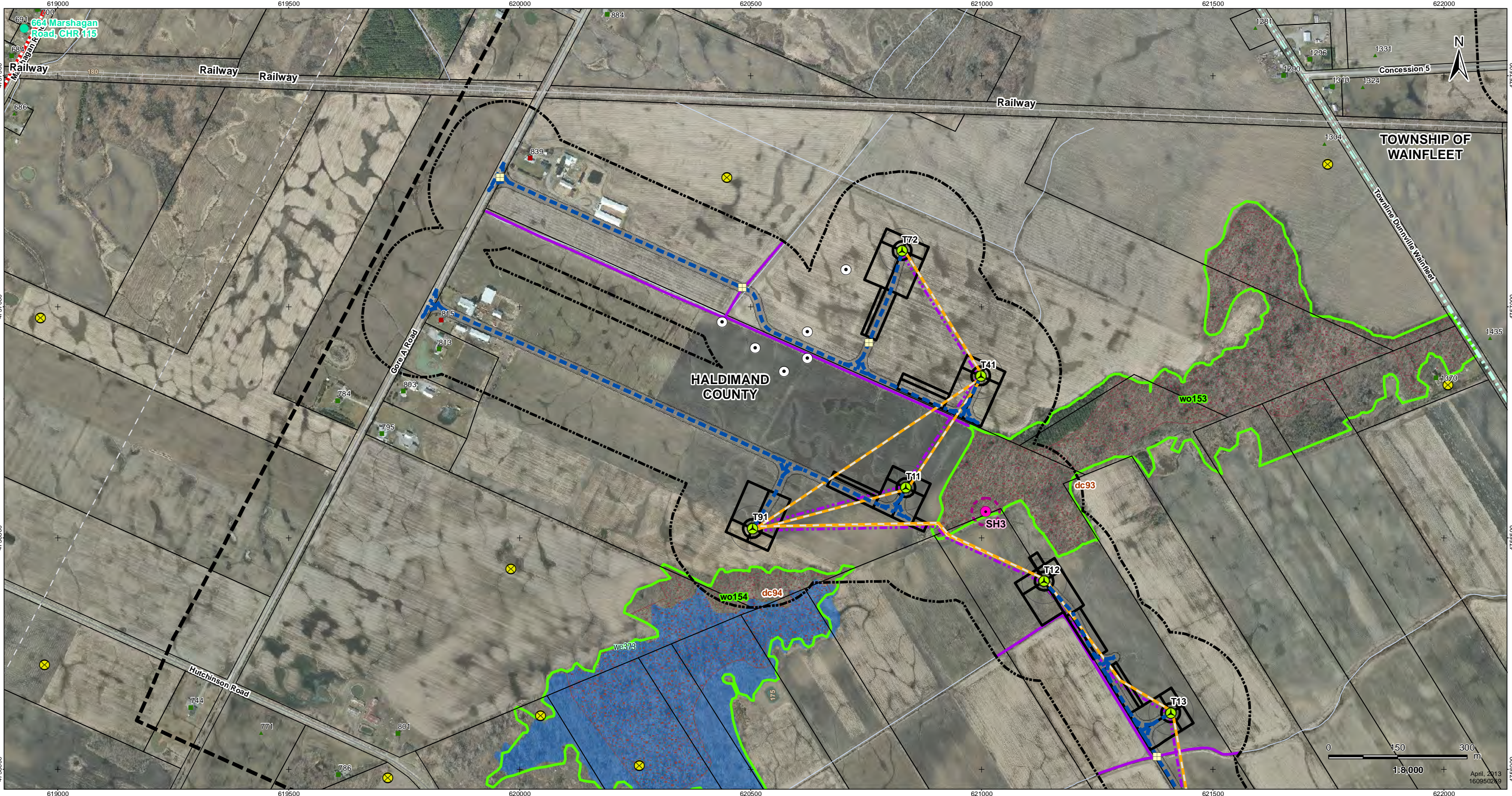
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project: Niagara Region Wind Corporation

Figure No.: 2.42

Title: **Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies** Figure 2.42



V:\01609\Active\160950269\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\160950269\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper



### Legend

	Project Study Area		Temporary Laydown Area		Existing Transmission Line
	Interconnector Study Area		Collector Lines – Underground or Overhead		Pipeline
	120m Zone of Investigation		Fibre Optic Line		Topographic Contour (mAMSL)
	Proposed Project Components		Potential Access Road		Watercourse (MNR)
	Proposed Turbine Location		Access Road 20m Construction Area		Waterbody (Stantec)
	Turbine Blade Length		Potential Construction Laydown Area		Property Boundary
	Tap-in Location		Transformer Substation		Municipality Lower Tier
	Transformer Substation Location		Existing Features		Niagara Escarpment Plan Area (NEC)
	Junction Box		Road		Greenbelt Natural Heritage System
	Proposed Culvert		Expressway / Highway		Conservation Areas (NPCA)
	Preferred Transmission Line Route		Unopened Road Allowance		Greenbelt Plan Area (MMAH)
	Alternate Transmission Line Route		Active Railway		Wetland Amphibian Breeding Habitat
			Abandoned Railway		Other Rare Vegetation Community

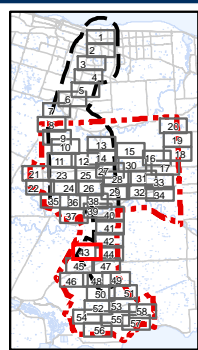
	Snake Hibernacula		Woodland Amphibian Breeding Habitat
	Snake Hibernacula 30m Buffer		Other Rare Vegetation Community
	Raptor Wintering Areas		Landbird Migratory Stopover
	Deer Congregation Areas (MNR) (Generalized)		Turtle Nesting Habitat/ Snapping Turtle Habitat
	Wetland Amphibian Breeding Habitat		Turtle Habitat 30m Buffer
	Woodland Amphibian Breeding Habitat		Turtle Wintering Area

	Woodland Communities		Landfill - Active (MOE)
	Wetland Communities		Landfill - Closed (MOE)
	ANSI, Earth Science, Provincially Significant (MNR)		Petroleum Well (OGSR) 4
	ANSI, Life Science, Provincially Significant (MNR)		Water Well (MOE) 5
	Protected Property		
	Cultural Heritage Resource		

	Occupied
	Vacant
	Occupied
	Vacant

### Notes

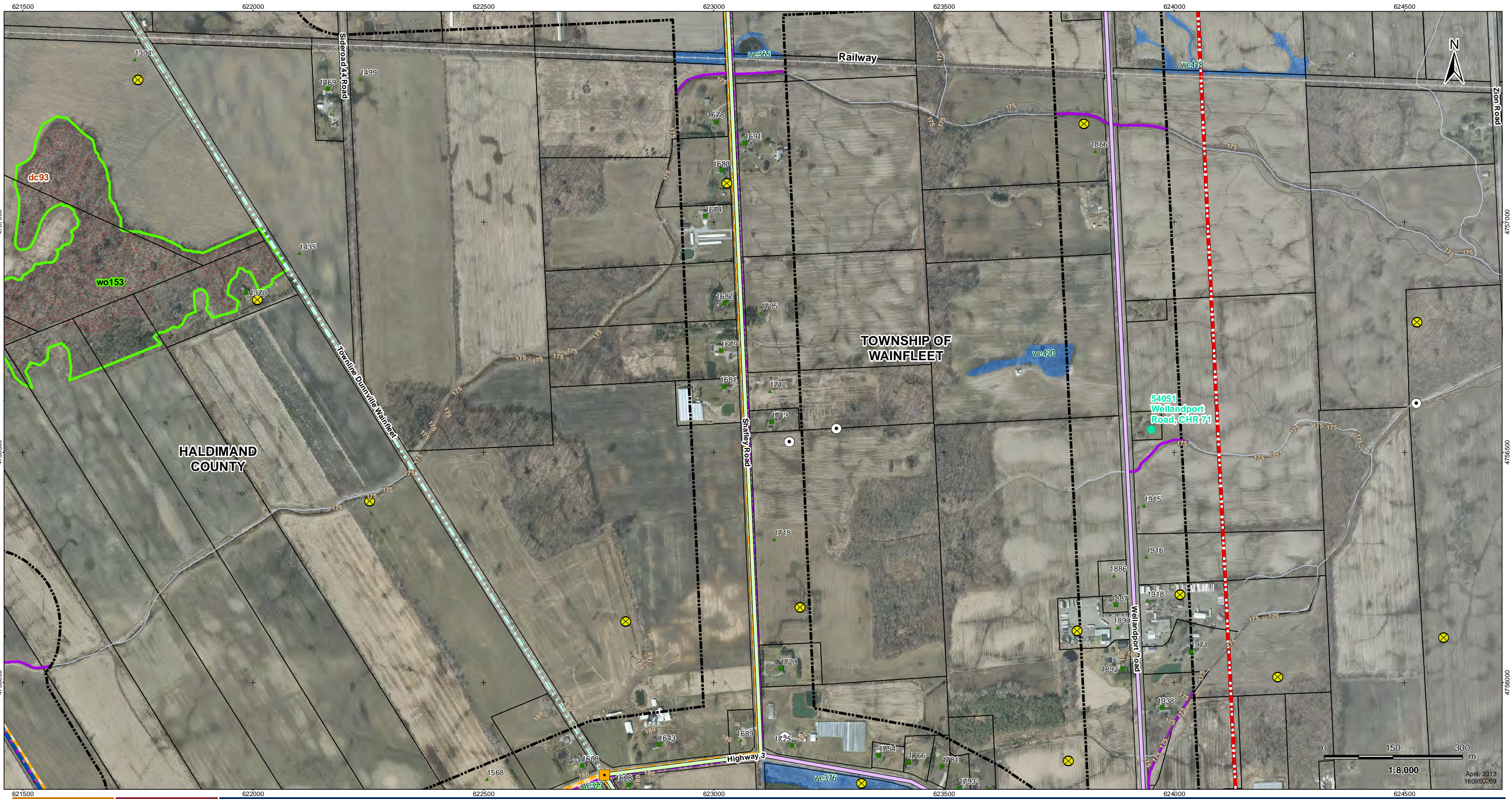
- Coordinate System: NAD 1983 UTM Zone 17N).
- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
- Orthimagery source: First Base Solutions, Date Spring 2010.
- Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
- MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
- Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.43

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.43



V:\01609\Active\1609502689\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\1609502689\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper

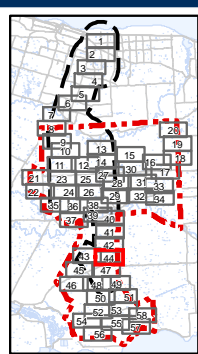


**Legend**

- |   |  |  |  |   |  |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) <sup>4</sup></li> <li> Water Well (MOE) <sup>5</sup></li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|---|--|

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
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3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
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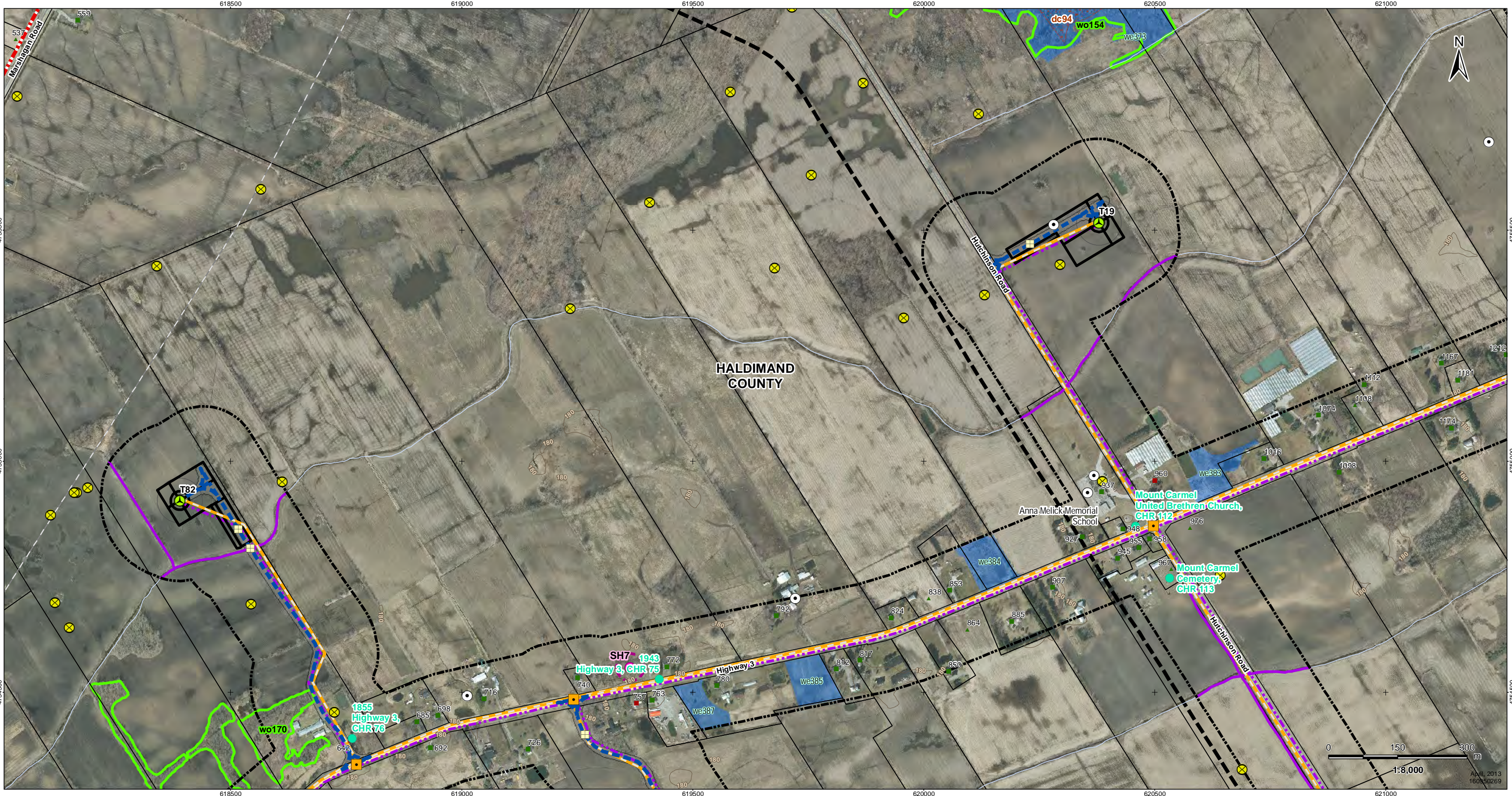


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.44

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.44

0 150 300 m  
1:8,000  
April, 2013  
1609502689



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 Revised: 2013-04-02 By: bcowper

### Legend

<ul style="list-style-type: none"> <li><span style="border: 1px dashed red; padding: 2px;"> </span> Project Study Area</li> <li><span style="border: 2px solid black; padding: 2px;"> </span> Interconnector Study Area</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> 120m Zone of Investigation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Proposed Project Components</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Proposed Turbine Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Turbine Blade Length</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Tap-in Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Transformer Substation Location</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Junction Box</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Proposed Culvert</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Preferred Transmission Line Route</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Alternate Transmission Line Route</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px dashed black; padding: 2px;"> </span> Temporary Laydown Area</li> <li><span style="border: 1px dashed orange; padding: 2px;"> </span> Collector Lines – Underground or Overhead</li> <li><span style="border: 1px dashed purple; padding: 2px;"> </span> Fibre Optic Line</li> <li><span style="border: 1px dashed blue; padding: 2px;"> </span> Potential Access Road</li> <li><span style="border: 1px dashed grey; padding: 2px;"> </span> Access Road 20m Construction Area</li> <li><span style="border: 1px dashed pink; padding: 2px;"> </span> Potential Construction Laydown Area</li> <li><span style="border: 1px dashed black; padding: 2px;"> </span> Transformer Substation</li> <li><b>Existing Features</b></li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Road</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Expressway / Highway</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Unopened Road Allowance</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Active Railway</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Abandoned Railway</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; padding: 2px;"> </span> Existing Transmission Line</li> <li><span style="border-bottom: 1px solid red; padding: 2px;"> </span> Pipeline</li> <li><span style="border-bottom: 1px solid black; padding: 2px;"> </span> Topographic Contour (mAMSL)</li> <li><span style="border-bottom: 1px solid blue; padding: 2px;"> </span> Watercourse (MNR)</li> <li><span style="border-bottom: 1px solid purple; padding: 2px;"> </span> Waterbody (Stantec)</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Property Boundary</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Municipality Lower Tier</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Niagara Escarpment Plan Area (NEC)</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Greenbelt Natural Heritage System</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Conservation Areas (NPCA)</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Greenbelt Plan Area (MMAH)</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Significant Wildlife Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Snake Hibernacula</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Snake Hibernacula 30m Buffer</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Raptor Wintering Areas</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Deer Congregation Areas (MNR) (Generalized)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Wetland Amphibian Breeding Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Woodland Amphibian Breeding Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Other Rare Vegetation Community</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Landbird Migratory Stopover</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Turtle Habitat 30m Buffer</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Turtle Wintering Area</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid green; padding: 2px;"> </span> Significant Natural Features</li> <li><span style="border: 1px solid green; padding: 2px;"> </span> Woodland Communities</li> <li><span style="border: 1px solid blue; padding: 2px;"> </span> Wetland Communities</li> <li><span style="border: 1px solid orange; padding: 2px;"> </span> ANSI, Earth Science, Provincially Significant (MNR)</li> <li><span style="border: 1px solid purple; padding: 2px;"> </span> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Protected Property</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Cultural Heritage Resource</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Landfill - Active (MOE)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Landfill - Closed (MOE)</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Petroleum Well (OGSR) <sup>4</sup></li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Water Well (MOE) <sup>5</sup></li> </ul>	<ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Occupied</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Occupied</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Vacant</li> </ul>
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Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.45

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.45

#### Notes

1. Coordinate System: NAD 1983 UTM Zone 17N).
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4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.

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 Revised: 2013-04-02 By: bcowper



V:\01609\Active\1609502689\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\1609502689\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper

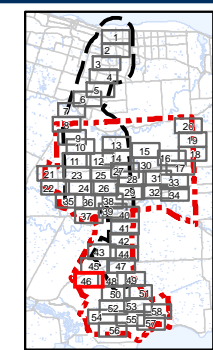


**Legend**

- |   |  |  |  |  |  |
|---|--|--|--|--|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) <sup>4</sup></li> <li> Water Well (MOE) <sup>5</sup></li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|--|--|

**Notes**

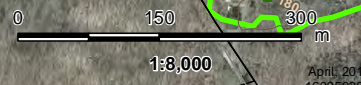
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
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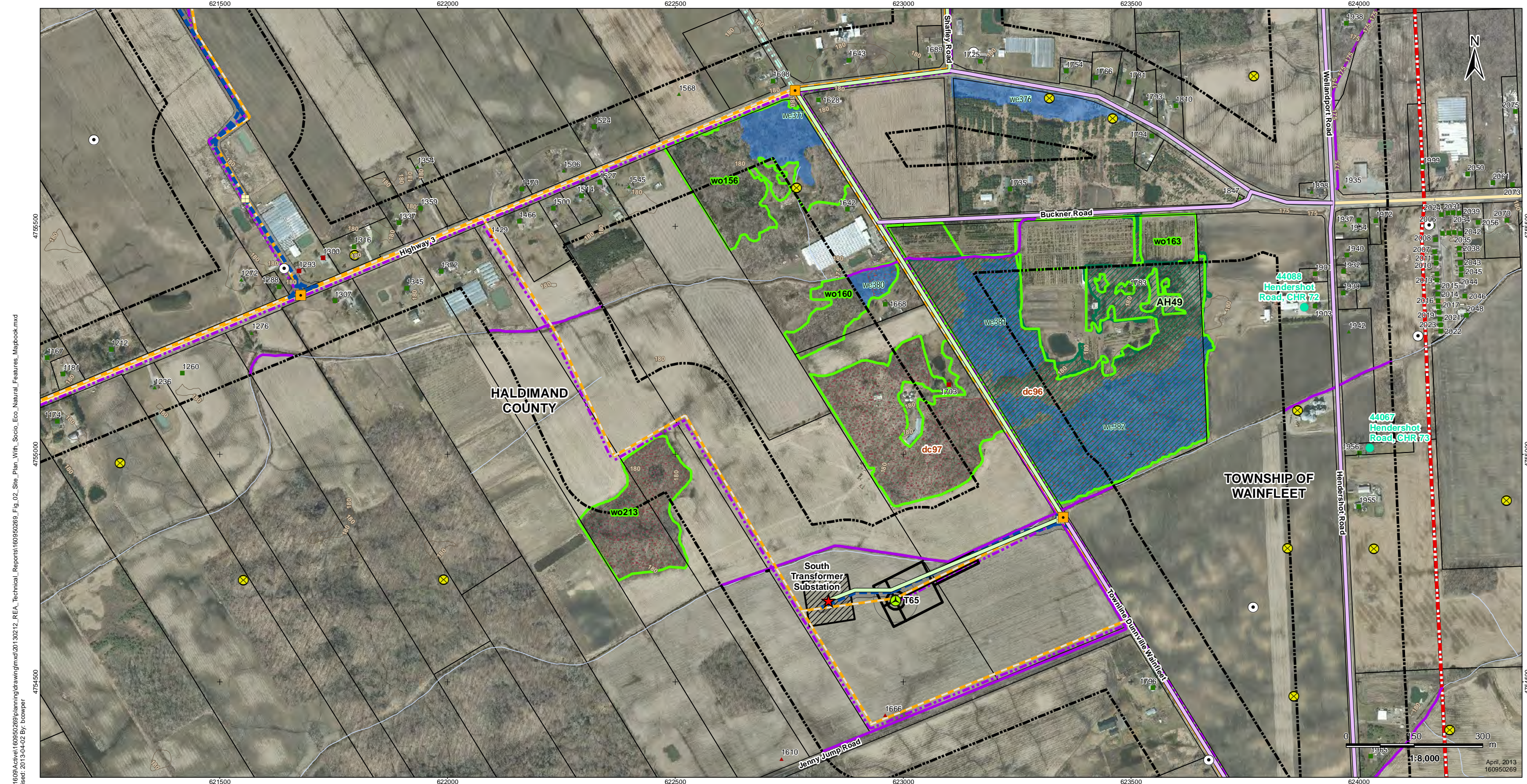
Client/Project  
 Niagara Region Wind Corporation

Figure No.  
 2.46

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
 Figure 2.46







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 Revised: 2013-04-02 By: bcowper

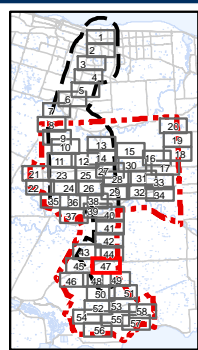


**Legend**

- |   |  |   |  |   |  |
|---|--|---|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSLS)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|---|--|---|--|

**Notes**

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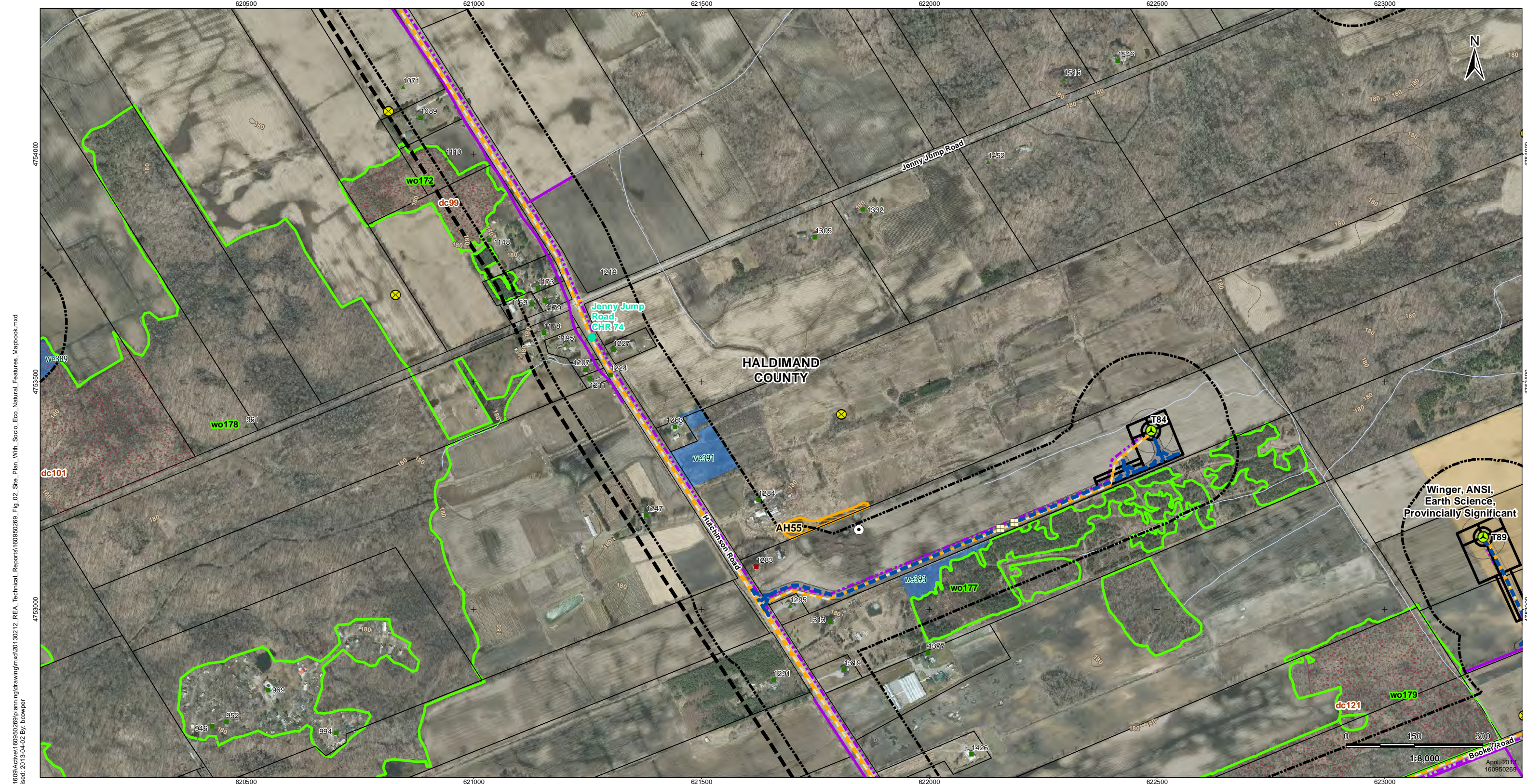


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.47

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.47

April, 2013  
1609502689



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 Revised: 2013-04-02 By: bcowper



**Legend**

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
- Temporary Laydown Area
- Collector Lines - Underground or Overhead
- Fibre Optic Line
- Potential Access Road
- Access Road 20m Construction Area
- Potential Construction Laydown Area
- Transformer Substation
- Existing Features
- Road
- Expressway / Highway
- Unopened Road Allowance
- Active Railway
- Abandoned Railway
- Existing Transmission Line
- Pipeline
- Topographic Contour (mAMSL)
- Watercourse (MNR)
- Waterbody (Stantec)
- Property Boundary
- Municipality Lower Tier
- Niagara Escarpment Plan Area (NEC)
- Greenbelt Natural Heritage System
- Conservation Areas (NPCA)
- Greenbelt Plan Area (MMAH)

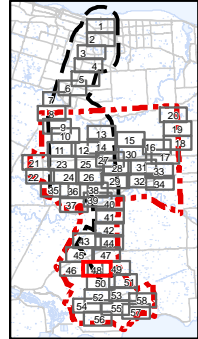
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area

- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
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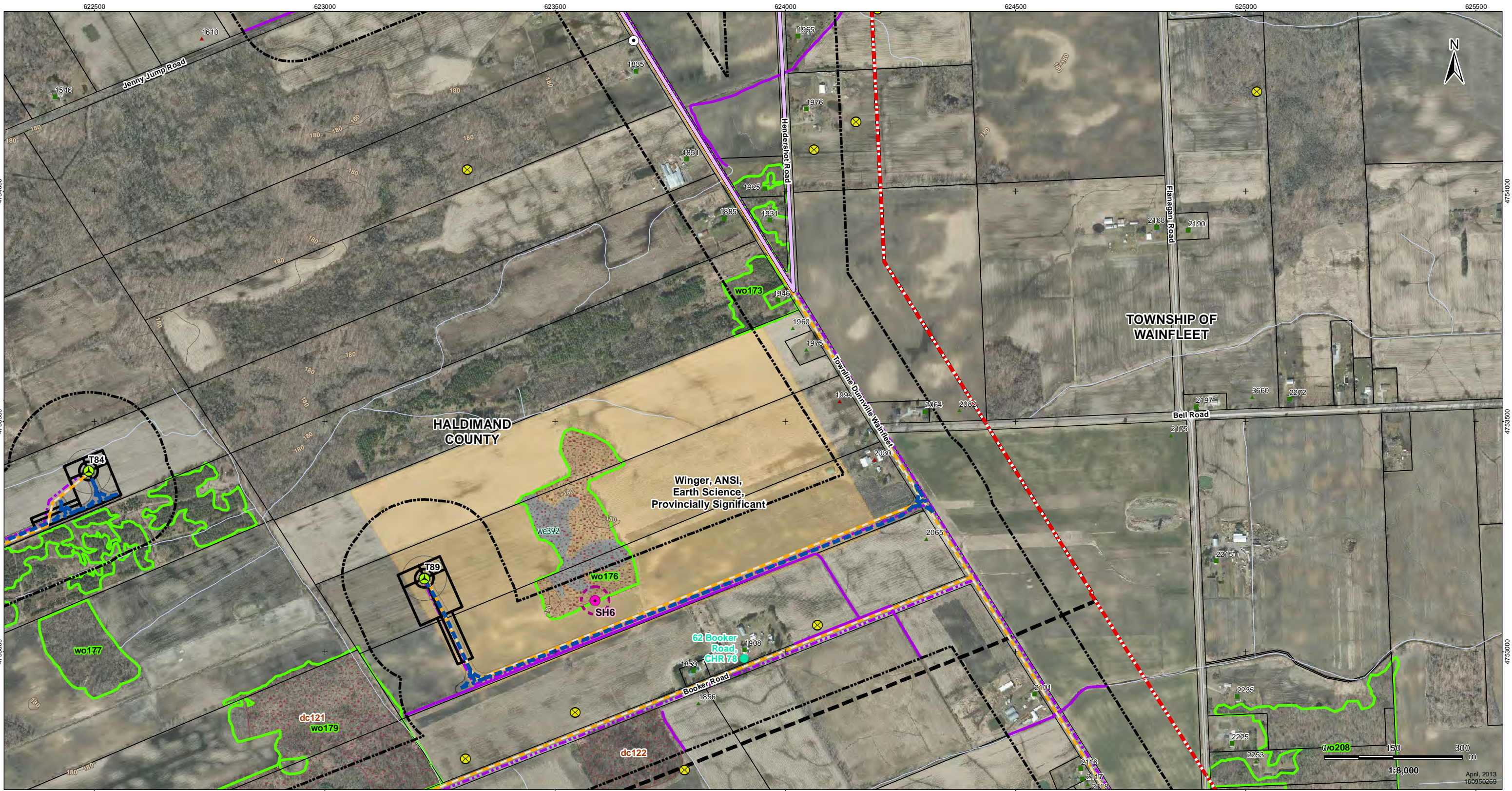


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.48

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.48

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper

### Legend

<ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul>	<ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul>	<ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul>	<ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul>	<ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul>	<ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul>
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Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.49

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.49

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
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 Revised: 2013-04-02 By: bcowper



**Legend**

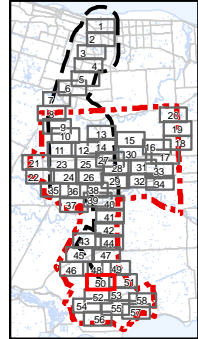
- Project Study Area
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- Topographic Contour (mAMSLL)
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- Property Boundary
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- Significant Wildlife Habitat
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle Habitat
- Turtle Habitat 30m Buffer
- Turtle Wintering Area
- Significant Natural Features
- Woodland Communities
- Wetland Communities
- ANSI, Earth Science, Provincially Significant (MNR)
- ANSI, Life Science, Provincially Significant (MNR)
- Cultural Heritage Features
- Protected Property
- Cultural Heritage Resource
- Landfill - Active (MOE)
- Landfill - Closed (MOE)
- Petroleum Well (OGSR) 4
- Water Well (MOE) 5

- Non-participating Receptors 5
- Occupied
- Vacant
- Participating Noise Receptors 5
- Occupied
- Vacant

**Notes**

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4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
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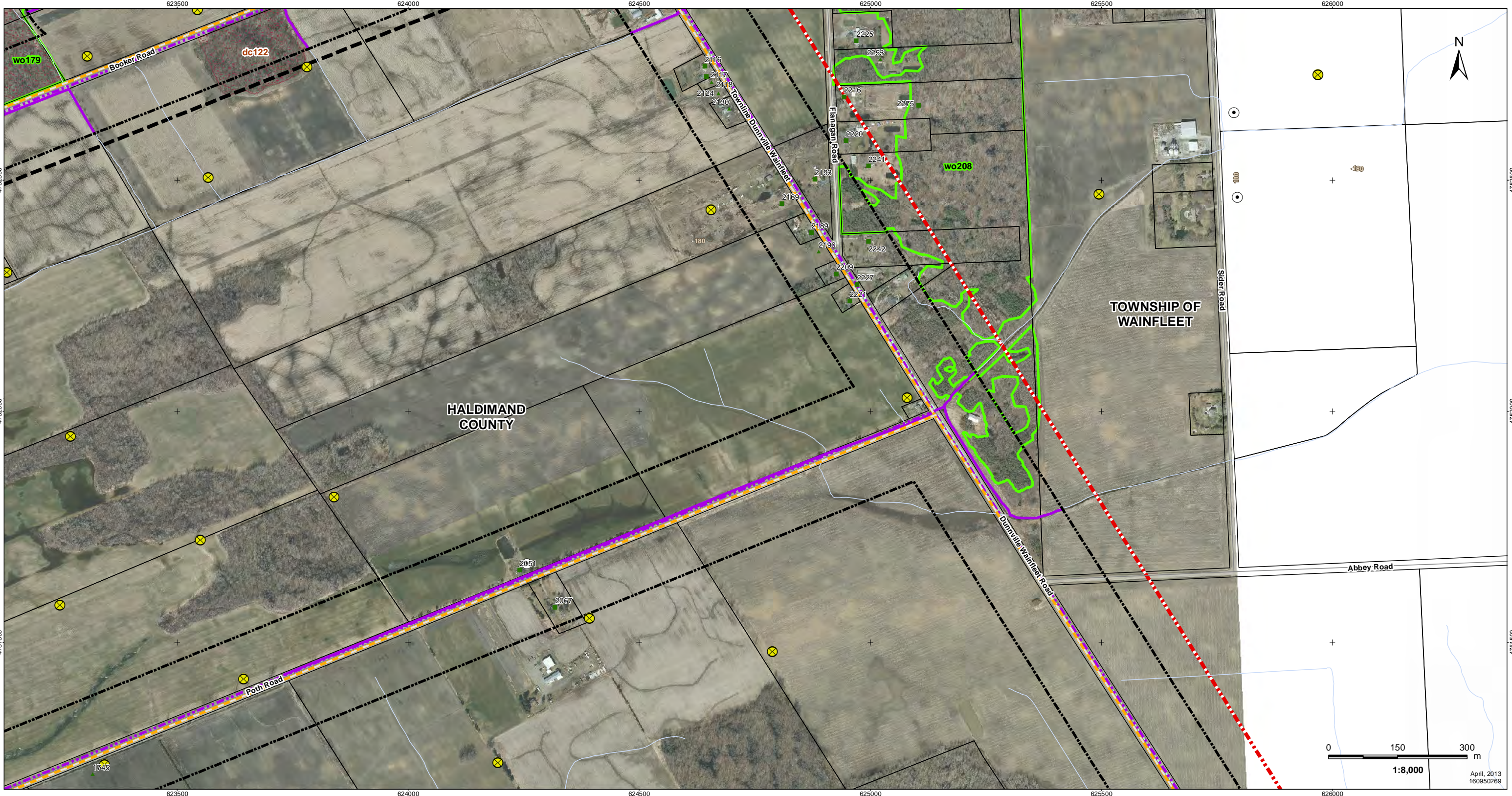


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.50

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.50

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper

### Legend

<ul style="list-style-type: none"> <li><span style="border: 2px dashed red; padding: 2px;"> </span> Project Study Area</li> <li><span style="border: 2px dashed black; padding: 2px;"> </span> Interconnector Study Area</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> 120m Zone of Investigation</li> <li><span style="color: green;">●</span> Proposed Project Components</li> <li><span style="color: green;">⊙</span> Proposed Turbine Location</li> <li><span style="color: green;">⊗</span> Turbine Blade Length</li> <li><span style="color: green;">★</span> Tap-in Location</li> <li><span style="color: red;">★</span> Transformer Substation Location</li> <li><span style="color: orange;">■</span> Junction Box</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Proposed Culvert</li> <li><span style="border-bottom: 1px solid green; width: 20px; display: inline-block;"></span> Preferred Transmission Line Route</li> <li><span style="border-bottom: 1px solid purple; 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Client/Project  
Niagara Region Wind Corporation

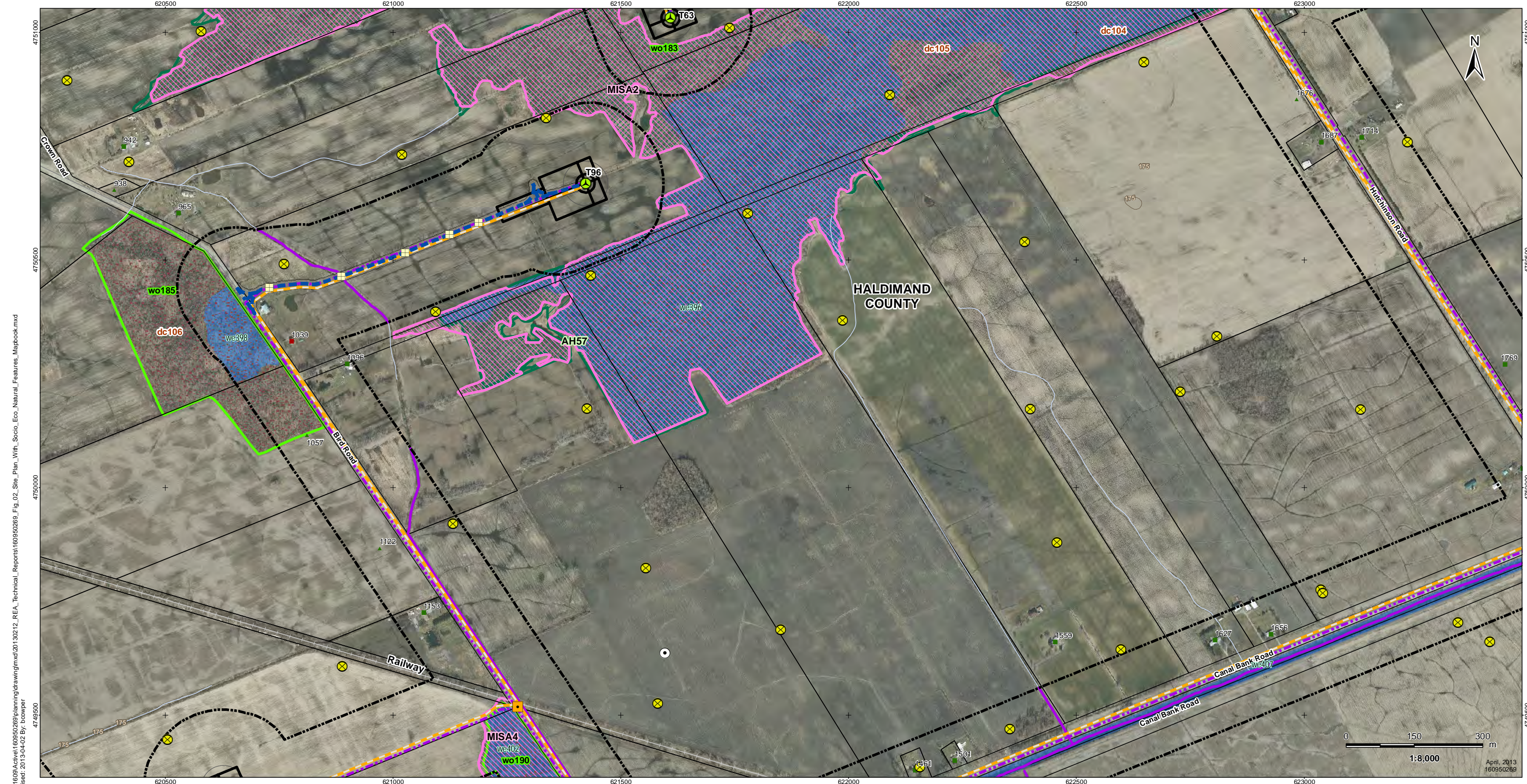
Figure No.  
2.51

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.51

**Notes**

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April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper

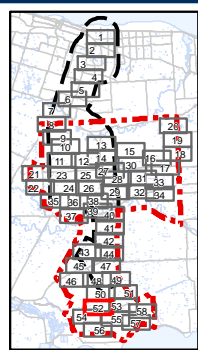


**Legend**

- |   |  |  |   |  |
|---|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines - Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) <sup>4</sup></li> <li> Water Well (MOE) <sup>5</sup></li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|---|--|

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Figure No.  
2.52

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.52

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper



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<ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li><span style="color: green;">▲</span> Occupied</li> <li><span style="color: green;">■</span> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li><span style="color: red;">▲</span> Occupied</li> <li><span style="color: red;">■</span> Vacant</li> </ul>			

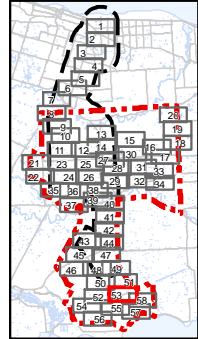
**Notes**

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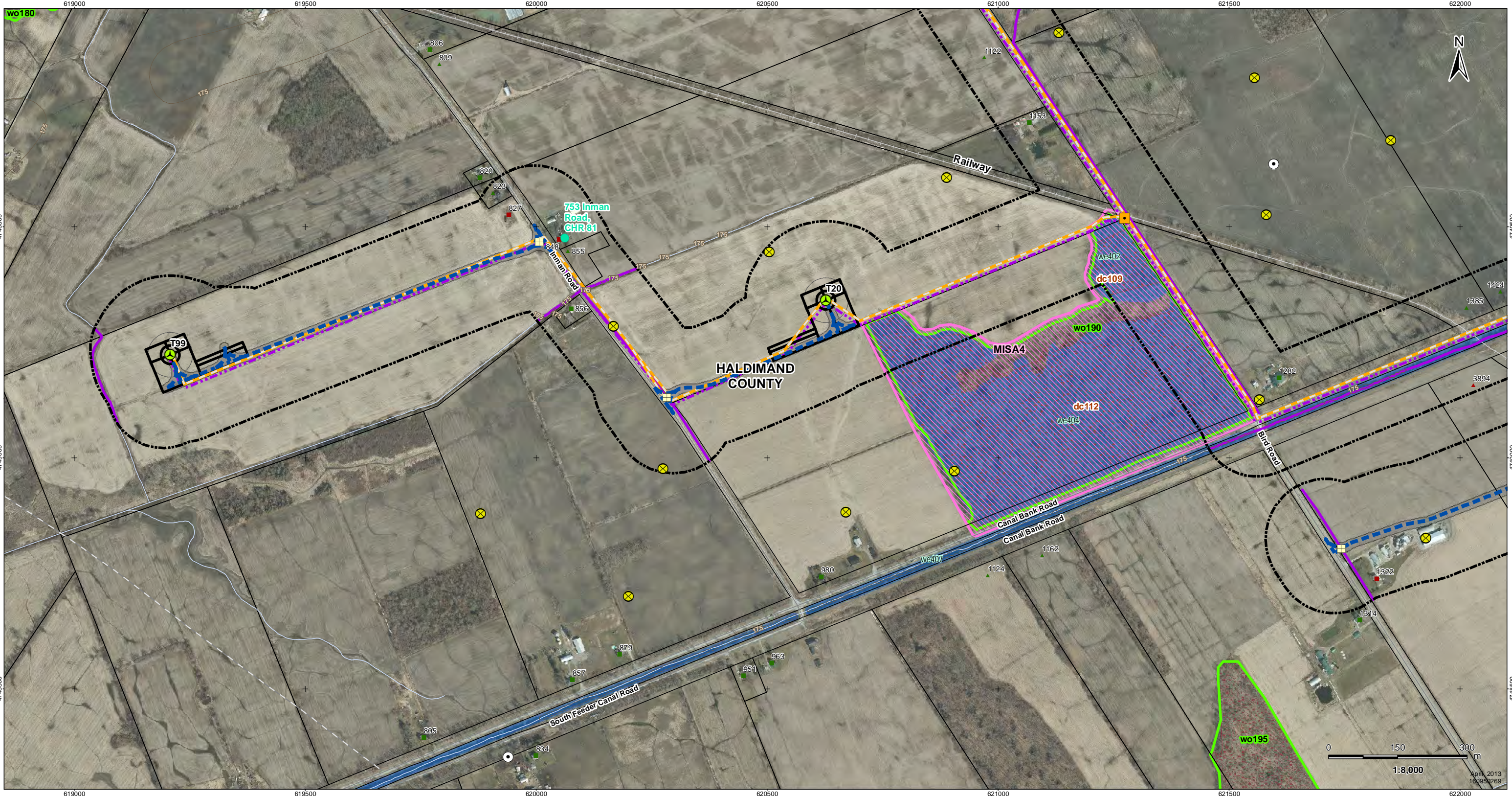
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Niagara Region Wind Corporation

**Figure No.**  
2.53

**Title**  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
**Figure 2.53**



April, 2013  
160950269



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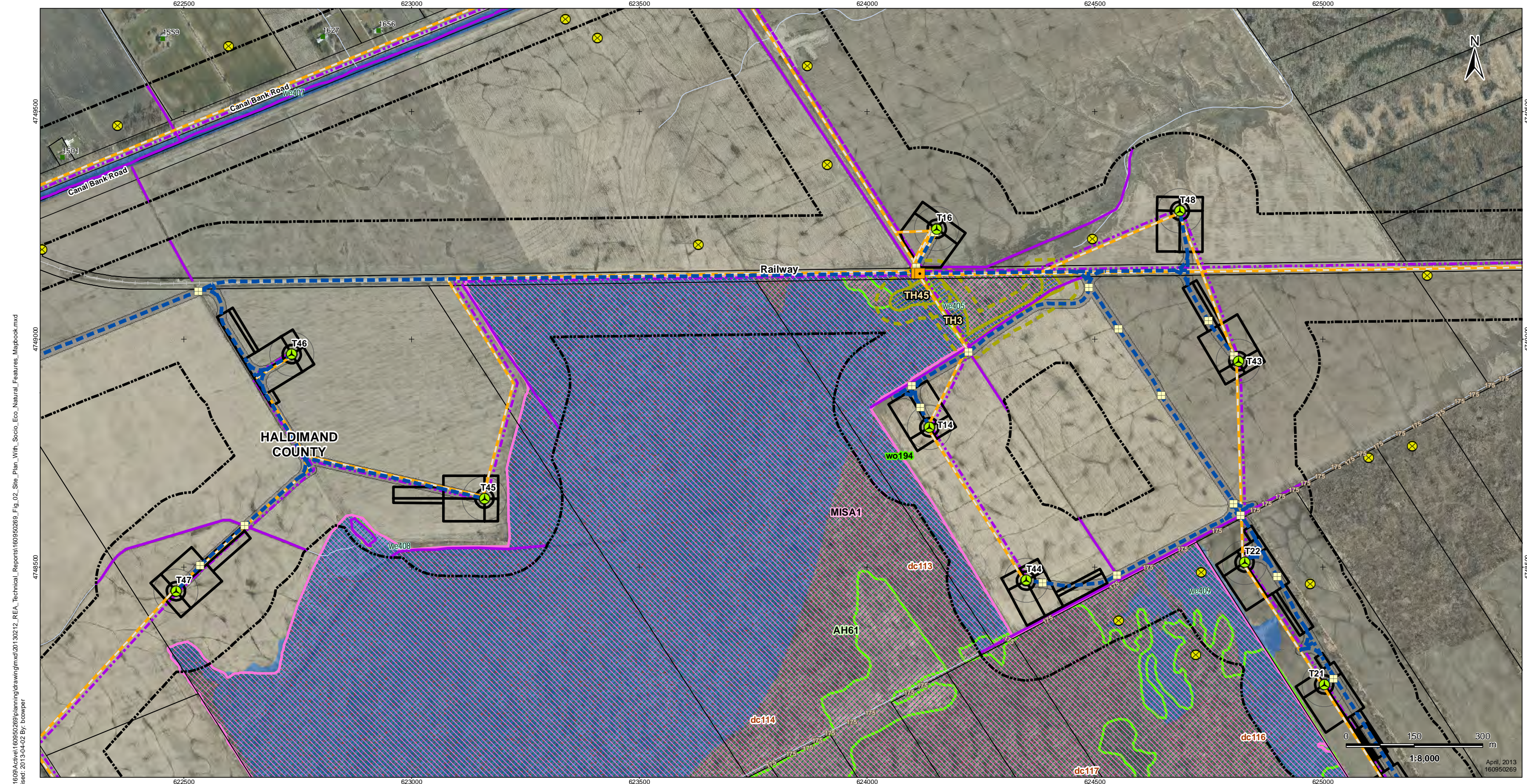
Figure No.  
**2.54**

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Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.54**

April 2013  
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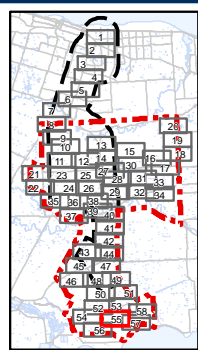


**Legend**

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|---|--|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) 4</li> <li> Water Well (MOE) 5</li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors 5</b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|---|--|

**Notes**

1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.

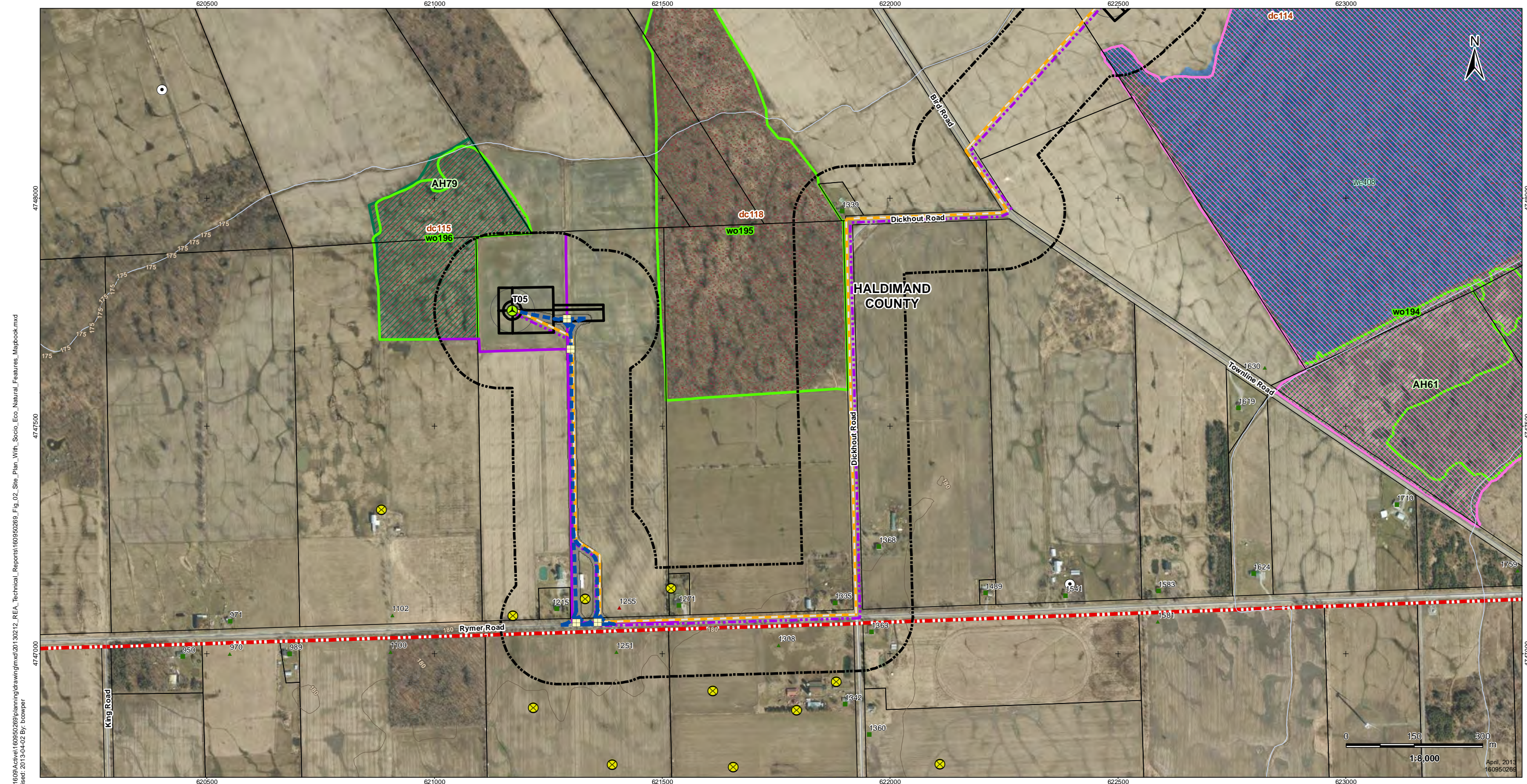


Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.55

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.55**

April, 2013  
160950269



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 Revised: 2013-04-02 By: bcowper

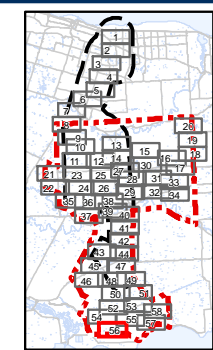


### Legend

- |   |  |   |  |   |  |
|---|--|---|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSLS)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) <sup>4</sup></li> <li> Water Well (MOE) <sup>5</sup></li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|---|--|---|--|

### Notes

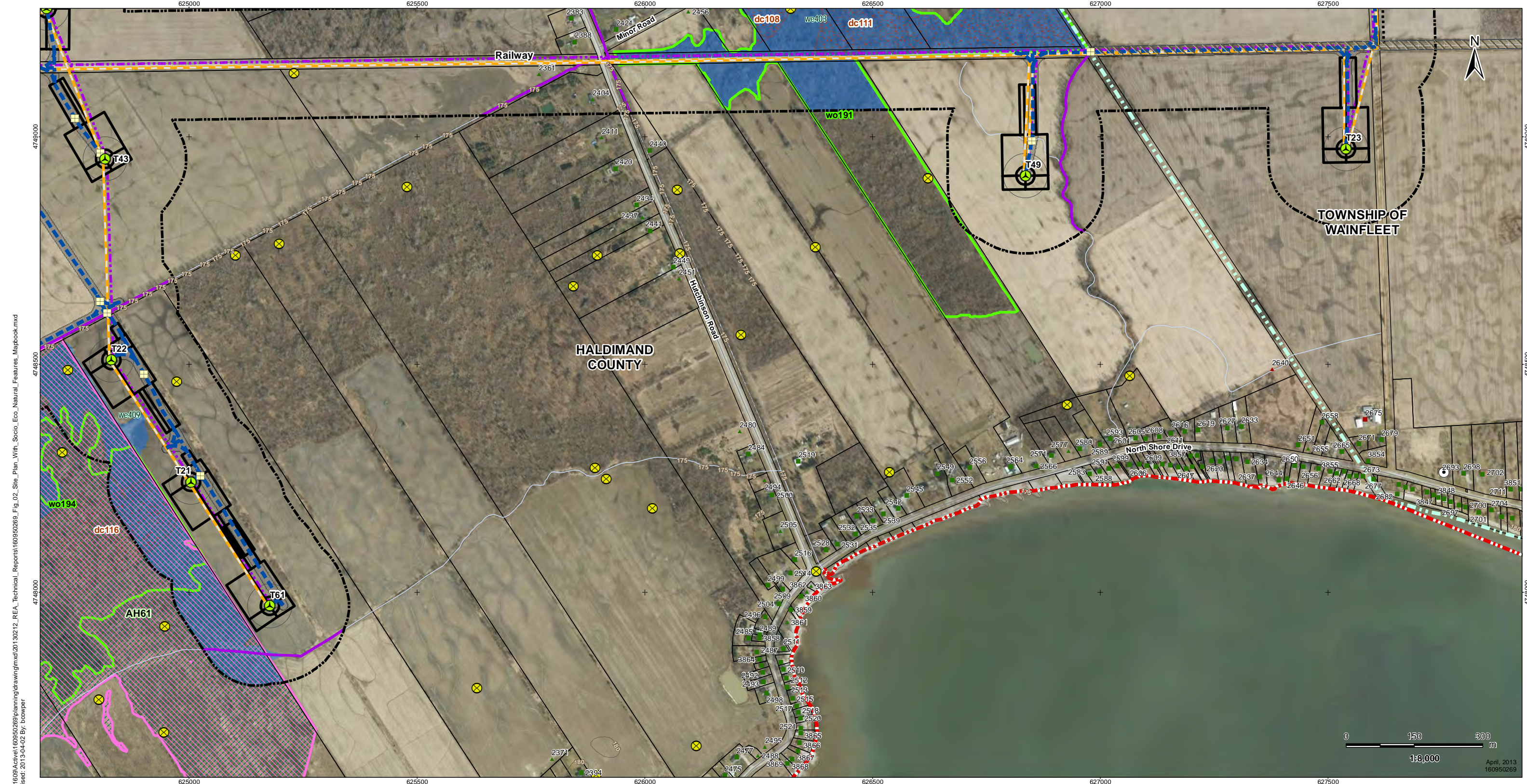
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
Niagara Region Wind Corporation

Figure No.  
**2.56**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.56**



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 Revised: 2013-04-02 By: bcowper

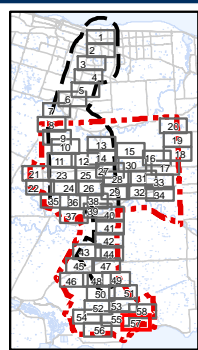


**Legend**

- |   |  |  |  |   |  |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> <li> Project Study Area</li> <li> Interconnector Study Area</li> <li> 120m Zone of Investigation</li> <li> Proposed Project Components</li> <li> Proposed Turbine Location</li> <li> Turbine Blade Length</li> <li> Tap-in Location</li> <li> Transformer Substation Location</li> <li> Junction Box</li> <li> Proposed Culvert</li> <li> Preferred Transmission Line Route</li> <li> Alternate Transmission Line Route</li> </ul> | <ul style="list-style-type: none"> <li> Temporary Laydown Area</li> <li> Collector Lines – Underground or Overhead</li> <li> Fibre Optic Line</li> <li> Potential Access Road</li> <li> Access Road 20m Construction Area</li> <li> Potential Construction Laydown Area</li> <li> Transformer Substation</li> <li><b>Existing Features</b></li> <li> Road</li> <li> Expressway / Highway</li> <li> Unopened Road Allowance</li> <li> Active Railway</li> <li> Abandoned Railway</li> </ul> | <ul style="list-style-type: none"> <li> Existing Transmission Line</li> <li> Pipeline</li> <li> Topographic Contour (mAMSL)</li> <li> Watercourse (MNR)</li> <li> Waterbody (Stantec)</li> <li> Property Boundary</li> <li> Municipality Lower Tier</li> <li> Niagara Escarpment Plan Area (NEC)</li> <li> Greenbelt Natural Heritage System</li> <li> Conservation Areas (NPCA)</li> <li> Greenbelt Plan Area (MMAH)</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Wildlife Habitat</b></li> <li> Snake Hibernacula</li> <li> Snake Hibernacula 30m Buffer</li> <li> Raptor Wintering Areas</li> <li> Deer Congregation Areas (MNR) (Generalized)</li> <li> Wetland Amphibian Breeding Habitat</li> <li> Woodland Amphibian Breeding Habitat</li> <li> Other Rare Vegetation Community</li> <li> Landbird Migratory Stopover</li> <li> Turtle Nesting Habitat/ Snapping Turtle Habitat</li> <li> Turtle Habitat 30m Buffer</li> <li> Turtle Wintering Area</li> </ul> | <ul style="list-style-type: none"> <li><b>Significant Natural Features</b></li> <li> Woodland Communities</li> <li> Wetland Communities</li> <li> ANSI, Earth Science, Provincially Significant (MNR)</li> <li> ANSI, Life Science, Provincially Significant (MNR)</li> <li><b>Cultural Heritage Features</b></li> <li> Protected Property</li> <li> Cultural Heritage Resource</li> <li> Landfill - Active (MOE)</li> <li> Landfill - Closed (MOE)</li> <li> Petroleum Well (OGSR) <sup>4</sup></li> <li> Water Well (MOE) <sup>5</sup></li> </ul> | <ul style="list-style-type: none"> <li><b>Non-participating Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> <li><b>Participating Noise Receptors <sup>5</sup></b></li> <li> Occupied</li> <li> Vacant</li> </ul> |
|---|--|--|--|---|--|

**Notes**

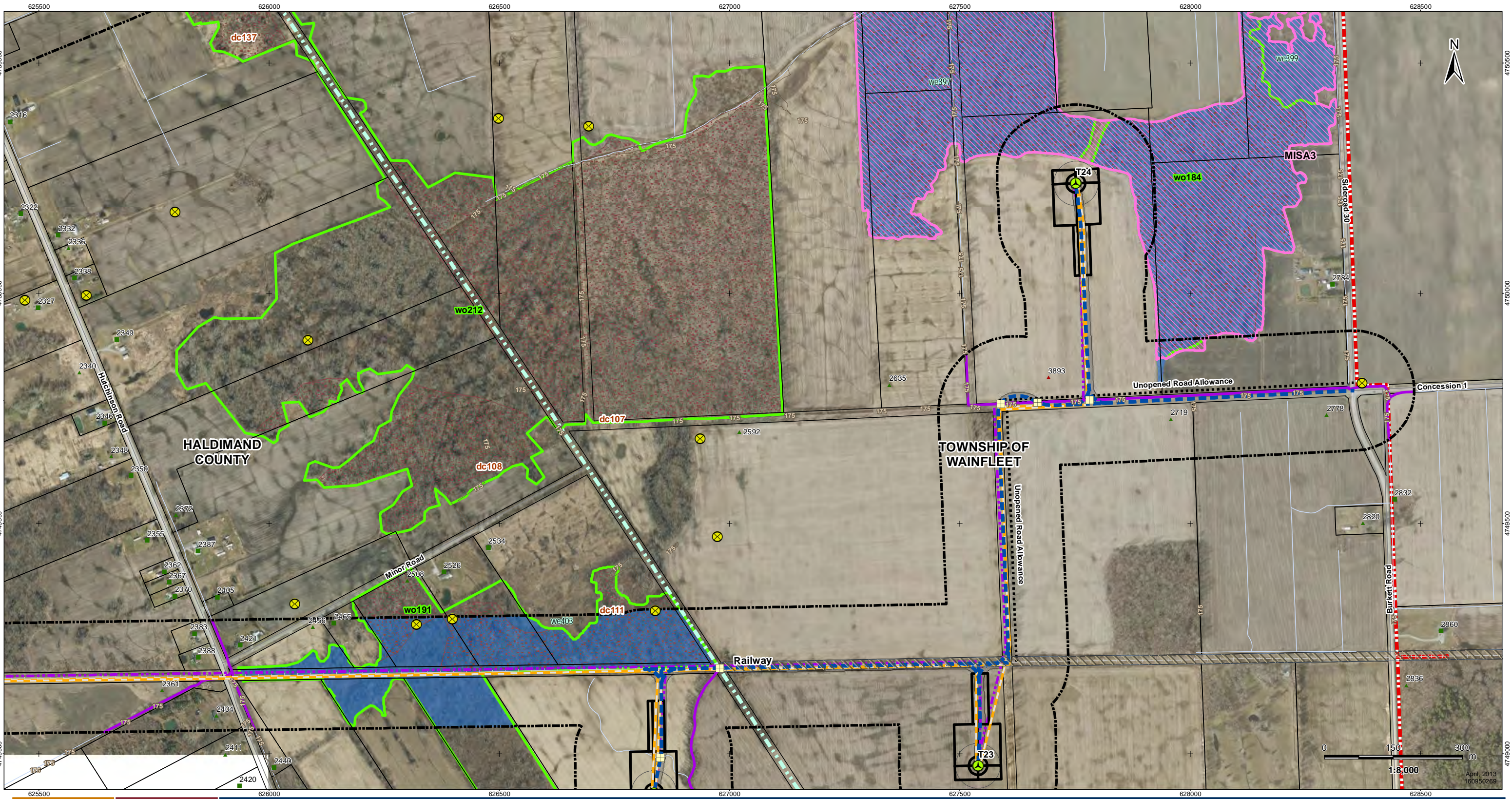
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
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6. Noise receptors are identified within 1500m of any wind turbine.



Client/Project  
Niagara Region Wind Corporation

Figure No.  
**2.57**

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies Figure 2.57**



V:\01609\Active\1609502689\planning\drawing\mxd\20130212\_REA\_Technical\_Reports\1609502689\_Fig\_02\_Site\_Plan\_With\_Socio\_Eco\_Natural\_Features\_Mapbook.mxd  
 Revised: 2013-04-02 By: bcowper



**Legend**

Project Study Area	Temporary Laydown Area	Existing Transmission Line
Interconnector Study Area	Collector Lines - Underground or Overhead	Pipeline
120m Zone of Investigation	Fibre Optic Line	Topographic Contour (mAMSLS)
Proposed Project Components	Potential Access Road	Watercourse (MNR)
Proposed Turbine Location	Access Road 20m Construction Area	Waterbody (Stantec)
Turbine Blade Length	Potential Construction Laydown Area	Property Boundary
Tap-in Location	Transformer Substation	Municipality Lower Tier
Transformer Substation Location	Existing Features	Niagara Escarpment Plan Area (NEC)
Junction Box	Road	Greenbelt Natural Heritage System
Proposed Culvert	Expressway / Highway	Conservation Areas (NPCA)
Preferred Transmission Line Route	Unopened Road Allowance	Greenbelt Plan Area (MMAH)
Alternate Transmission Line Route	Active Railway	
	Abandoned Railway	

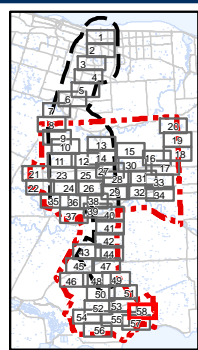
Snake Hibernacula	Raptor Wintering Areas	Wetland Amphibian Breeding Habitat
Snake Hibernacula 30m Buffer	Deer Congregation Areas (MNR) (Generalized)	Woodland Amphibian Breeding Habitat
Wetland Amphibian Breeding Habitat	Other Rare Vegetation Community	Landbird Migratory Stopover
Woodland Amphibian Breeding Habitat	Turtle Nesting Habitat/ Snapping Turtle Habitat	Turtle Habitat 30m Buffer
Other Rare Vegetation Community	Turtle Wintering Area	

Woodland Communities	Protected Property	Landfill - Active (MOE)
Wetland Communities	Cultural Heritage Resource	Landfill - Closed (MOE)
ANSI, Earth Science, Provincially Significant (MNR)		Petroleum Well (OGSR) 4
ANSI, Life Science, Provincially Significant (MNR)		Water Well (MOE) 5

Occupied	Occupied
Vacant	Vacant

**Notes**

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- Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
- MOE Water well locations are approximate and have been positioned based on published UTM coordinates © Queen's Printer for Ontario, 2012.
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Client/Project  
Niagara Region Wind Corporation

Figure No.  
2.58

Title  
**Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies**  
Figure 2.58

April, 2013  
1609502689