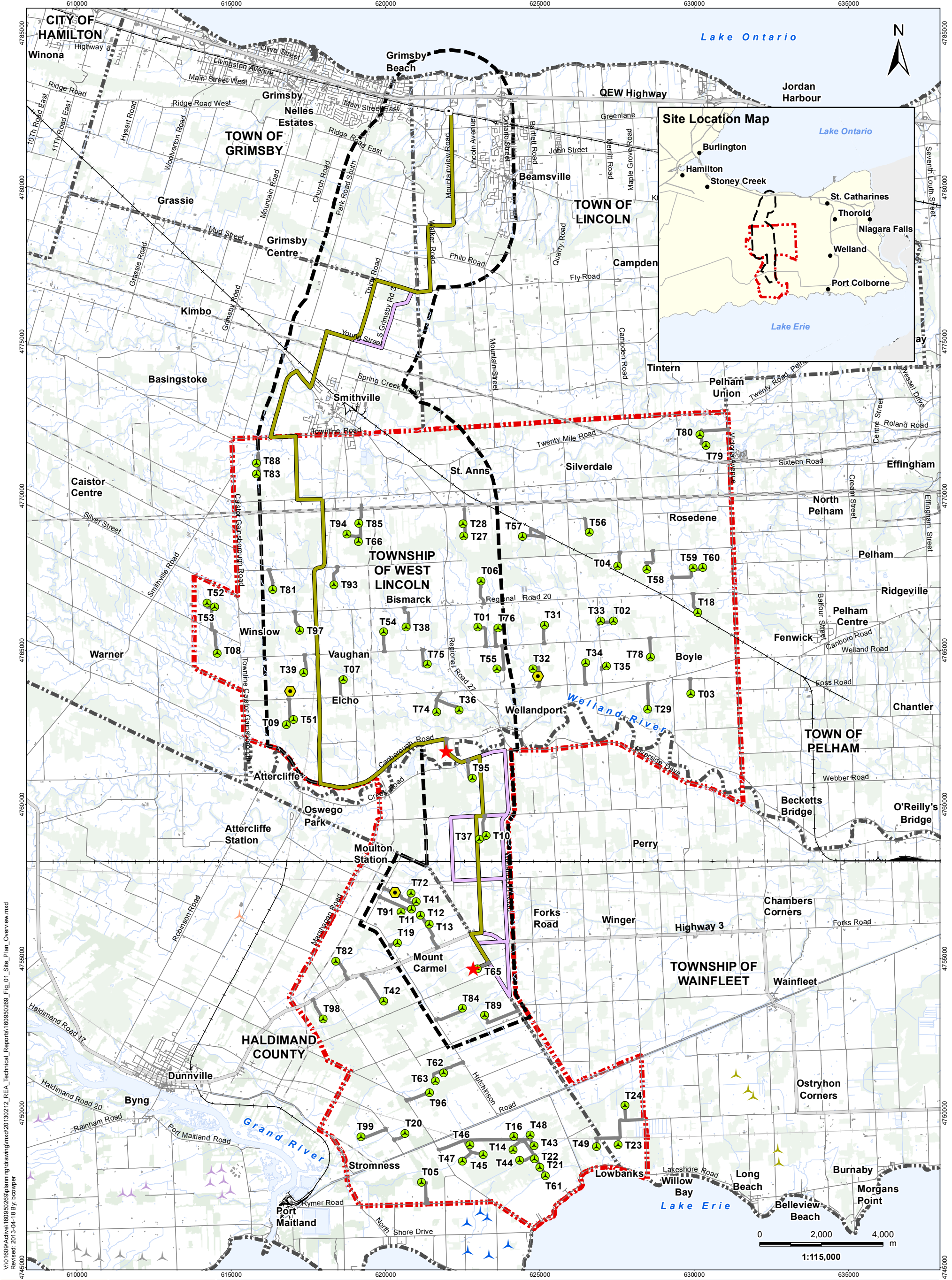


Appendix A

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 | | |

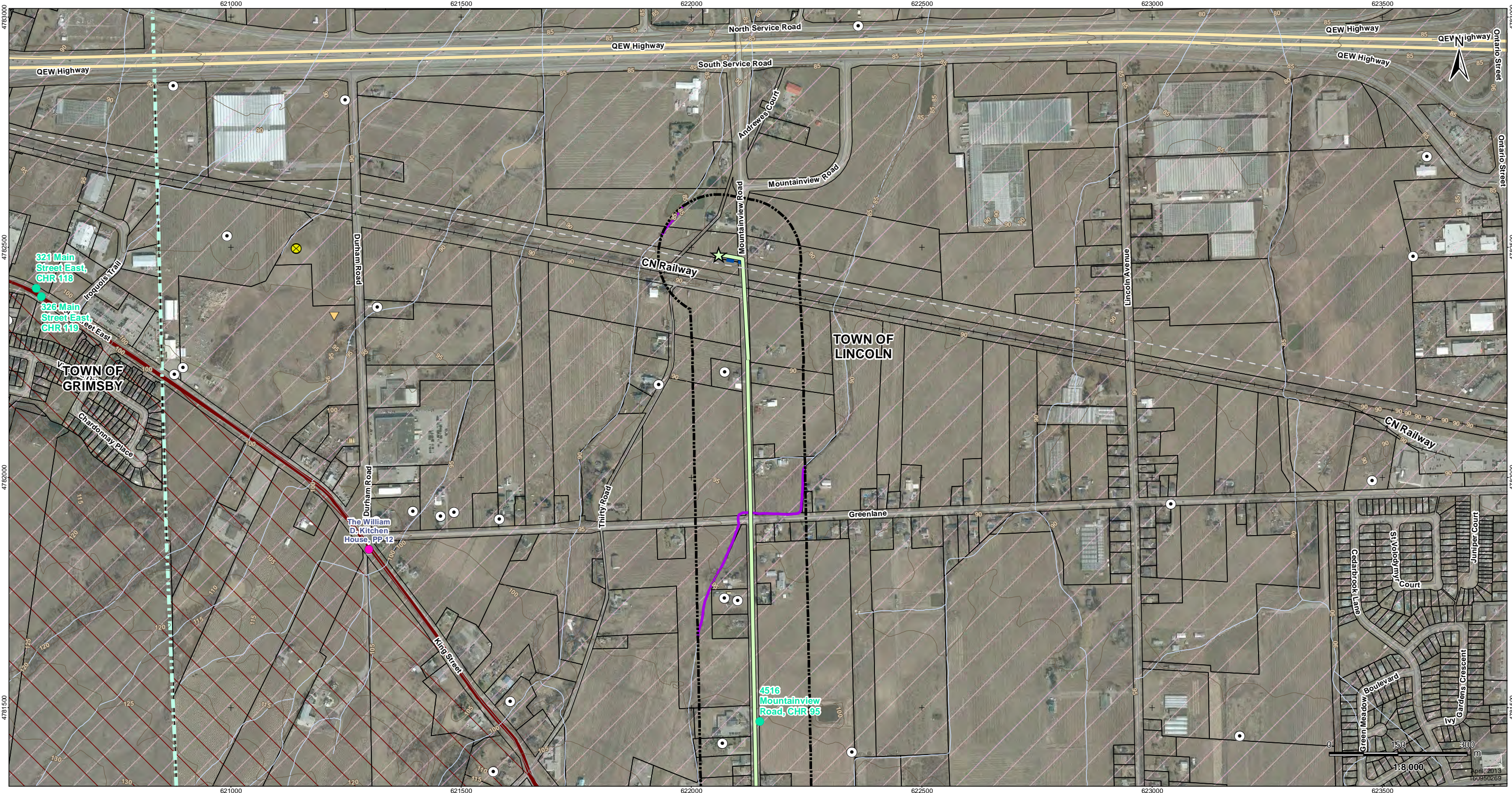
Client/Project
 Niagara Region Wind Corporation
 Niagara Region Wind Farm

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.



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 Revised: 2013-04-02 By: bcowper

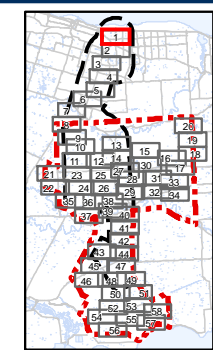


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Existing Transmission Line Pipeline Topographic Contour (mAMSL) Watercourse (MNR) Waterbody (Stantec) Property Boundary Niagara Escarpment Plan Area (NEC) Greenbelt Natural Heritage System Conservation Areas (NPCA) Greenbelt Plan Area (MMAH) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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.

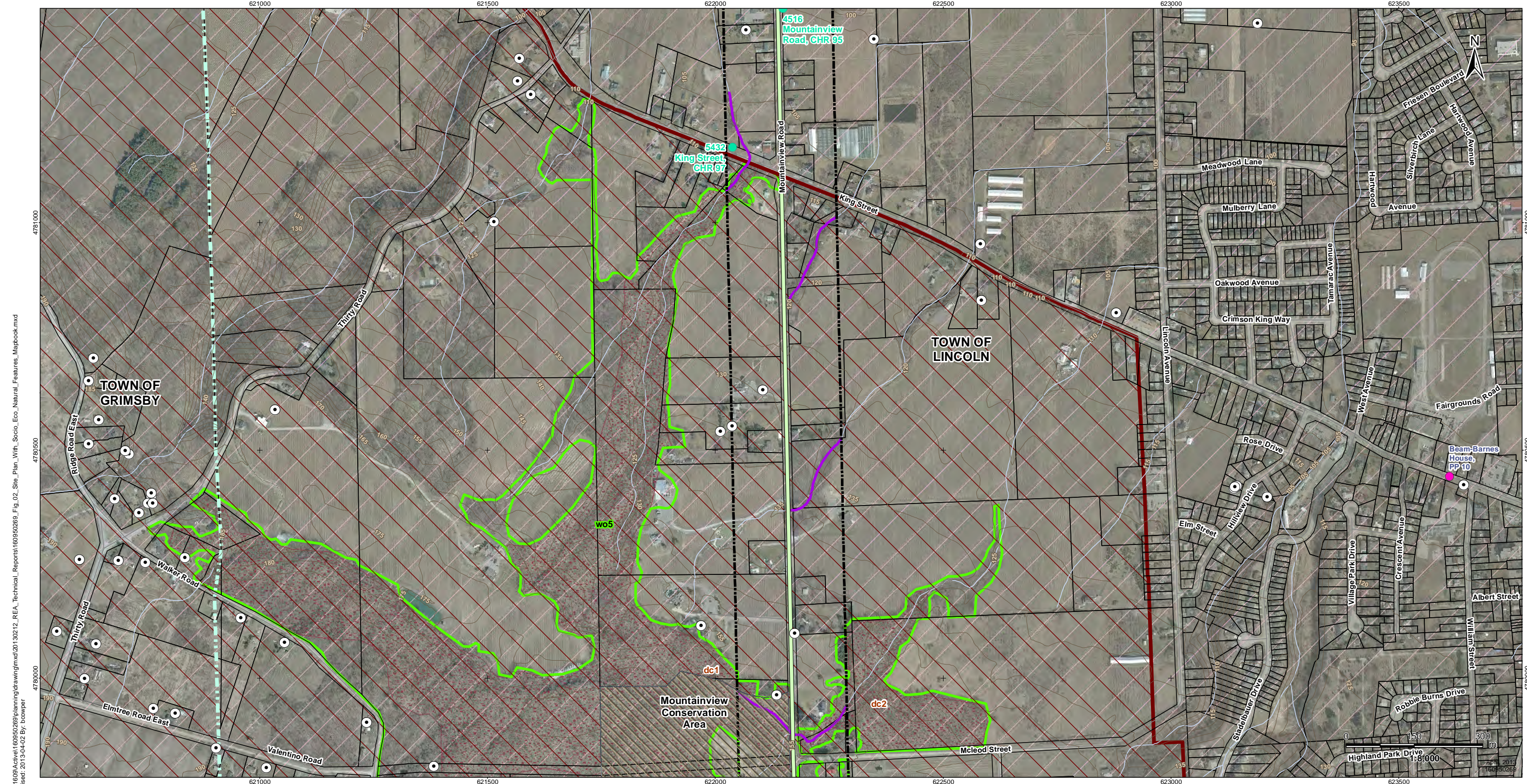


Client/Project
Niagara Region Wind Corporation

Figure No.
2.1

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

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)

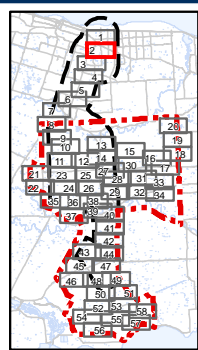
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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

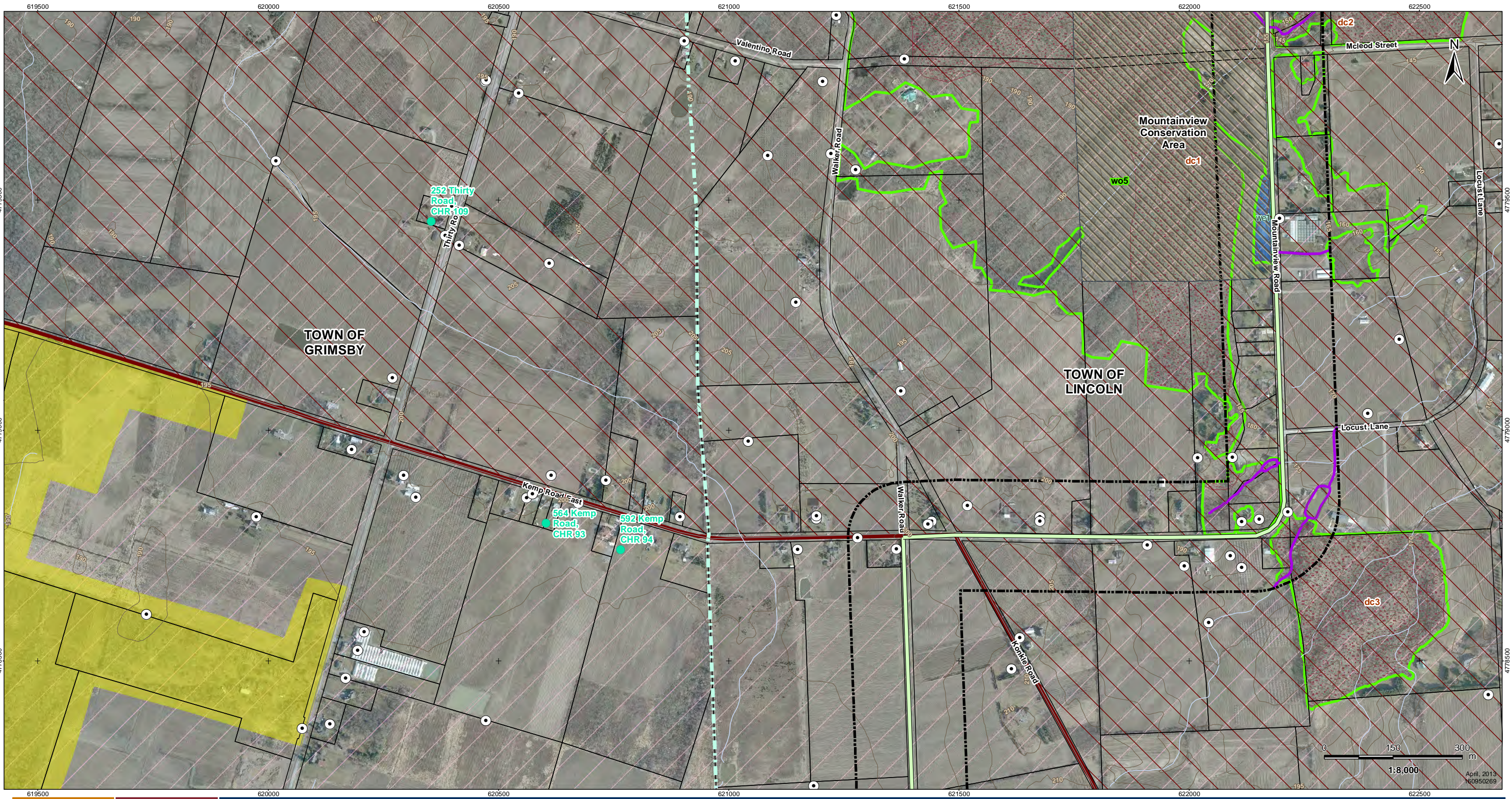
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 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.
2.2

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

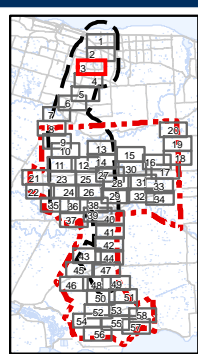


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Existing Transmission Line Pipeline Topographic Contour (mAMSL) Watercourse (MNR) Waterbody (Stantec) Property Boundary Niagara Escarpment Plan Area (NEC) Greenbelt Natural Heritage System Conservation Areas (NPCA) Greenbelt Plan Area (MMAH) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors 5 Occupied Vacant Participating Noise Receptors 5 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.
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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.
- Noise receptors are identified within 1500m of any wind turbine.

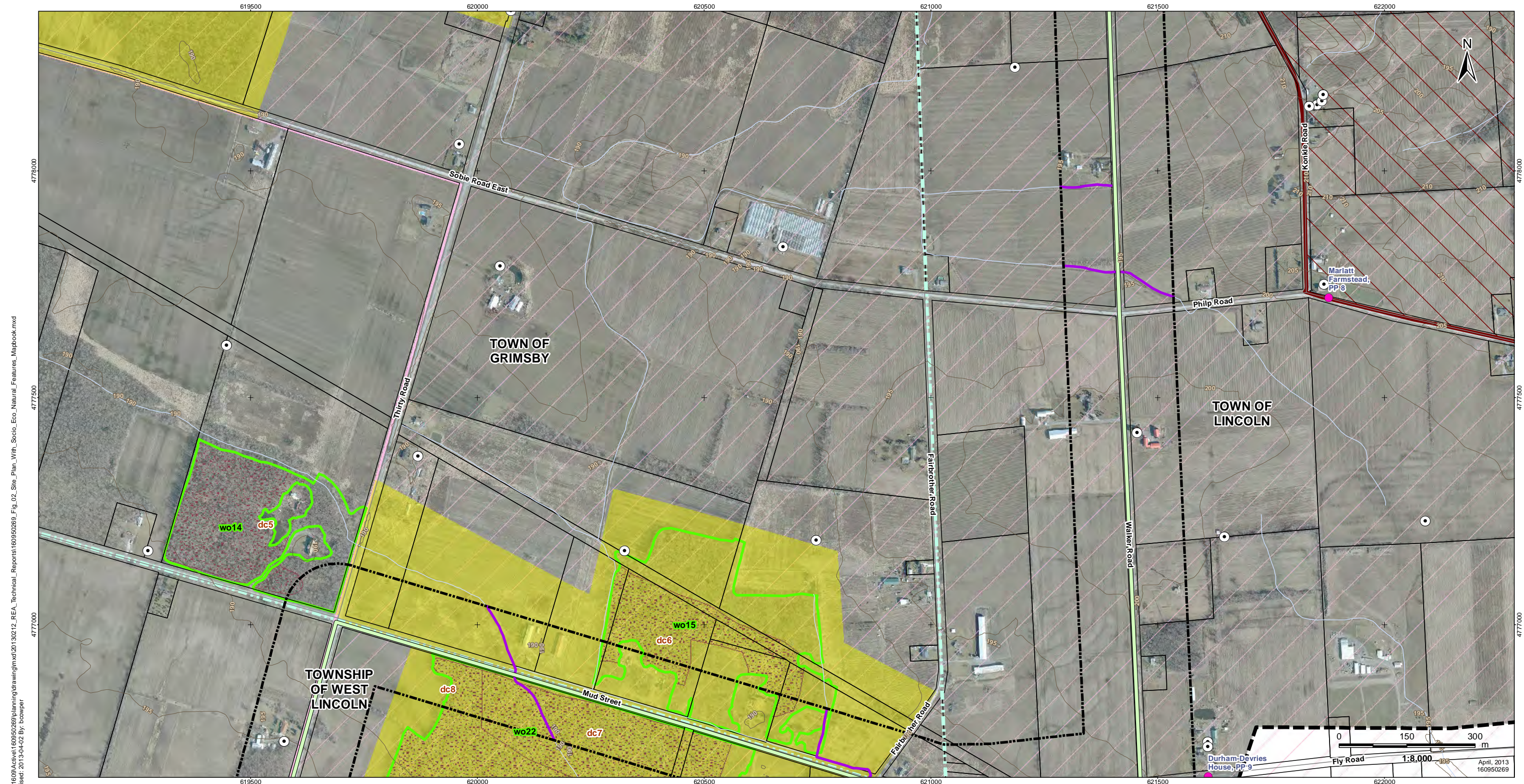


Client/Project
Niagara Region Wind Corporation

Figure No.
2.3

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

April, 2013
160950269



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 Revised: 2013-04-02 By: bcompwr



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 (mAMSLS)
- 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)

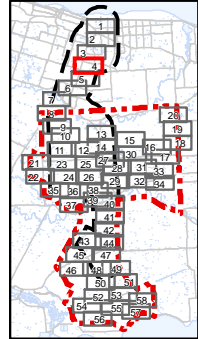
- Significant Wildlife Habitat
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle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



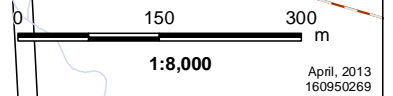
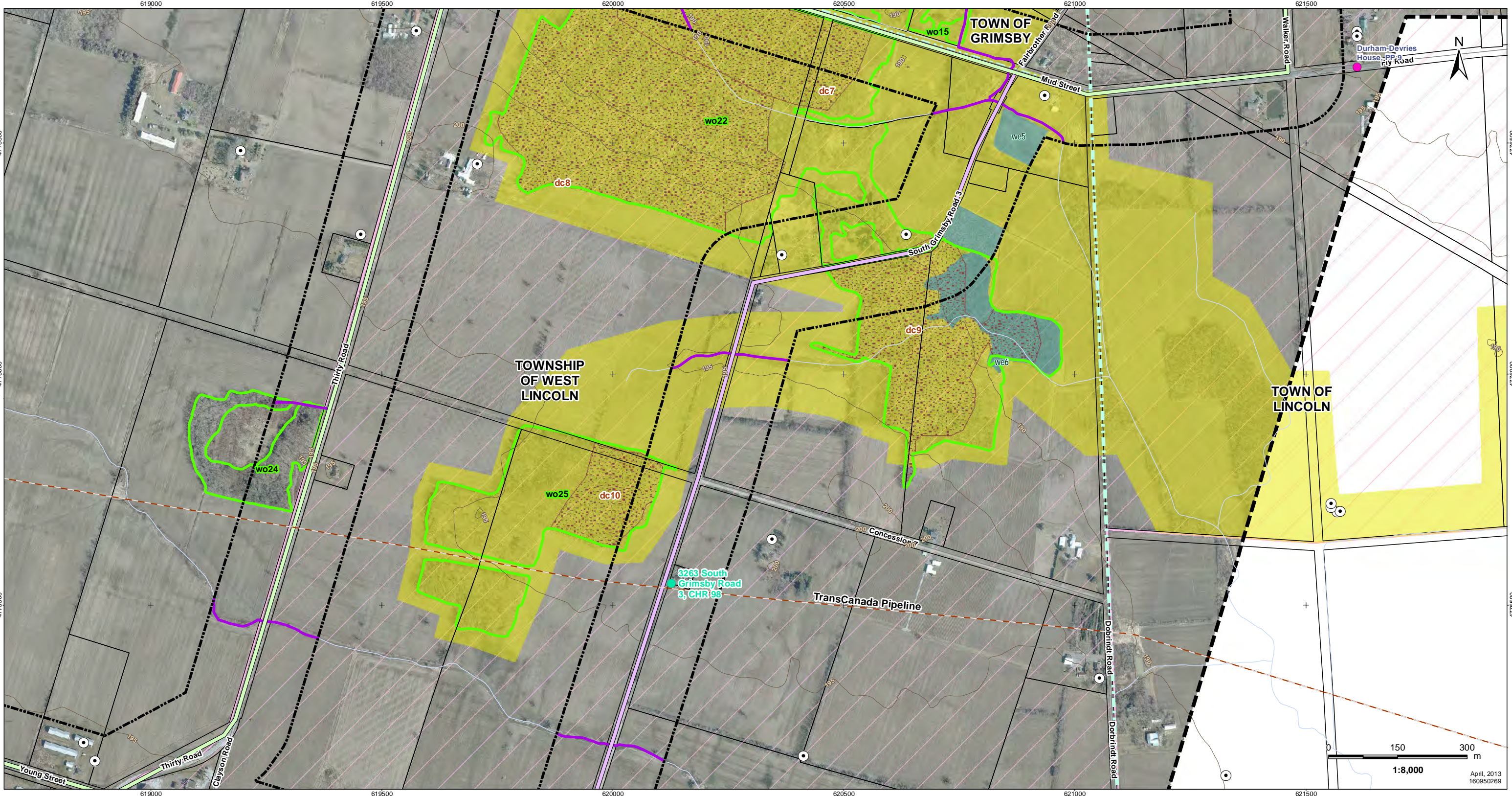
Client/Project
Niagara Region Wind Corporation

Figure No.
2.4

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

April, 2013
160950269

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 Revised: 2013-04-02 By: bcowper



Legend

Project Study Area	Temporary Laydown Area	Existing Transmission Line	Snake Hibernacula
Interconnector Study Area	Collector Lines - Underground or Overhead	Pipeline	Snake Hibernacula 30m Buffer
120m Zone of Investigation	Fibre Optic Line	Topographic Contour (mAMSL)	Raptor Wintering Areas
Proposed Turbine Location	Potential Access Road	Watercourse (MNR)	Deer Congregation Areas (MNR) (Generalized)
Turbine Blade Length	Access Road 20m Construction Area	Waterbody (Stantec)	Wetland Amphibian Breeding Habitat
Tap-in Location	Potential Construction Laydown Area	Property Boundary	Woodland Amphibian Breeding Habitat
Transformer Substation Location	Transformer Substation	Municipality Lower Tier	Other Rare Vegetation Community
Junction Box	Existing Features	Niagara Escarpment Plan Area (NEC)	Landbird Migratory Stopover
Proposed Culvert	Road	Greenbelt Natural Heritage System	Turtle Nesting Habitat/ Snapping Turtle Habitat
Preferred Transmission Line Route	Expressway / Highway	Conservation Areas (NPCA)	Turtle Habitat 30m Buffer
Alternate Transmission Line Route	Unopened Road Allowance	Greenbelt Plan Area (MMAH)	Turtle Wintering Area
	Active Railway		
	Abandoned Railway		

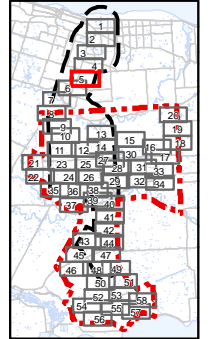
Existing Transmission Line	Snake Hibernacula
Pipeline	Snake Hibernacula 30m Buffer
Topographic Contour (mAMSL)	Raptor Wintering Areas
Watercourse (MNR)	Deer Congregation Areas (MNR) (Generalized)
Waterbody (Stantec)	Wetland Amphibian Breeding Habitat
Property Boundary	Woodland Amphibian Breeding Habitat
Municipality Lower Tier	Other Rare Vegetation Community
Niagara Escarpment Plan Area (NEC)	Landbird Migratory Stopover
Greenbelt Natural Heritage System	Turtle Nesting Habitat/ Snapping Turtle Habitat
Conservation Areas (NPCA)	Turtle Habitat 30m Buffer
Greenbelt Plan Area (MMAH)	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	Participating Noise Receptors 5
Vacant	Occupied
	Vacant

Notes

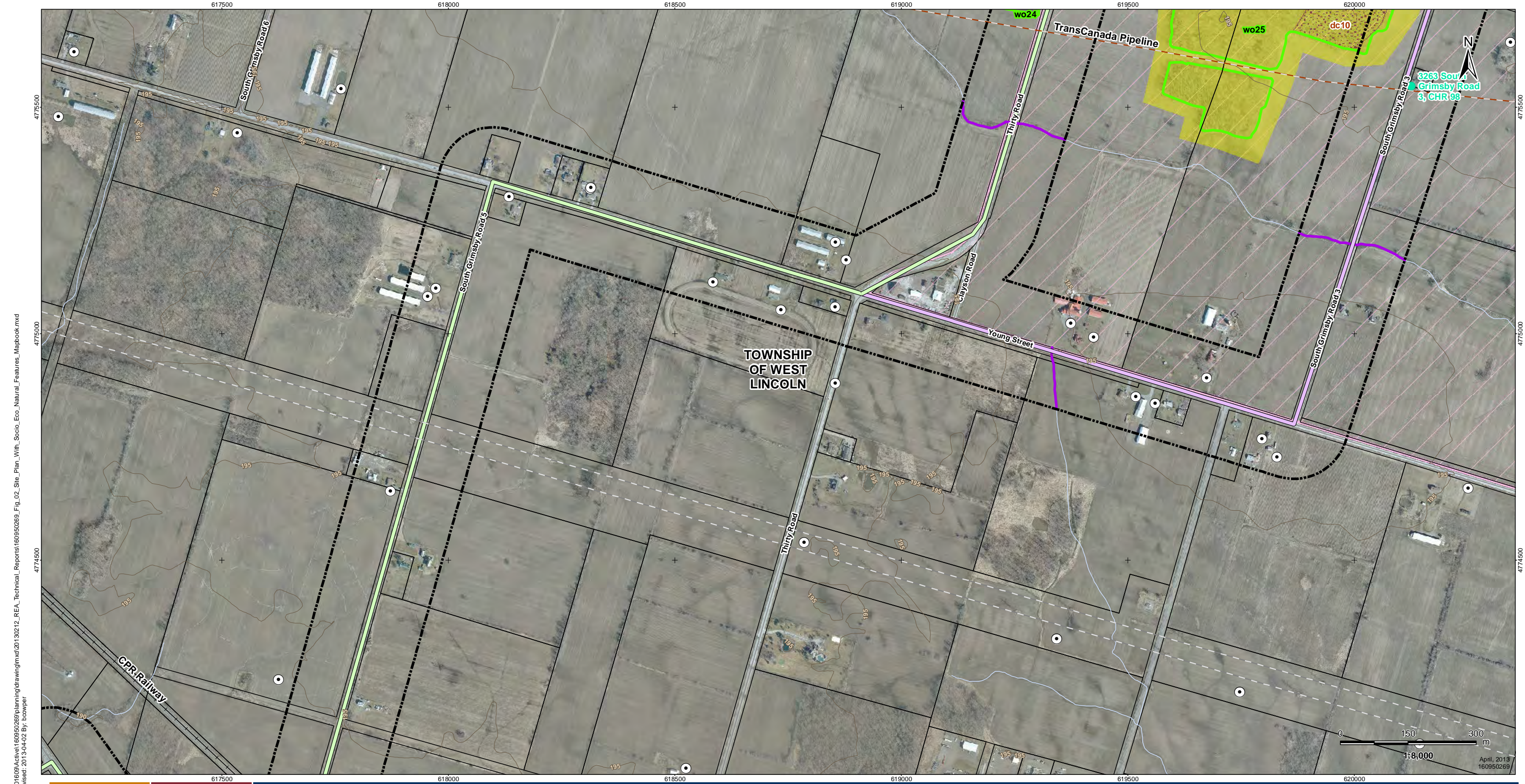
- Coordinate System: NAD 1983 UTM Zone 17N).
- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
- Orthimagery source: First Base Solutions, Date Spring 2010.
- Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 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.
 2.5

Title
Site Plan with Socio-Economic Features, Significant Natural Heritage Features and Water Bodies
 Figure 2.5



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 Revised: 2013-04-02 By: bcowper

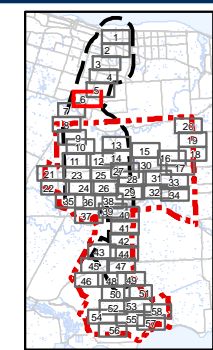


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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.

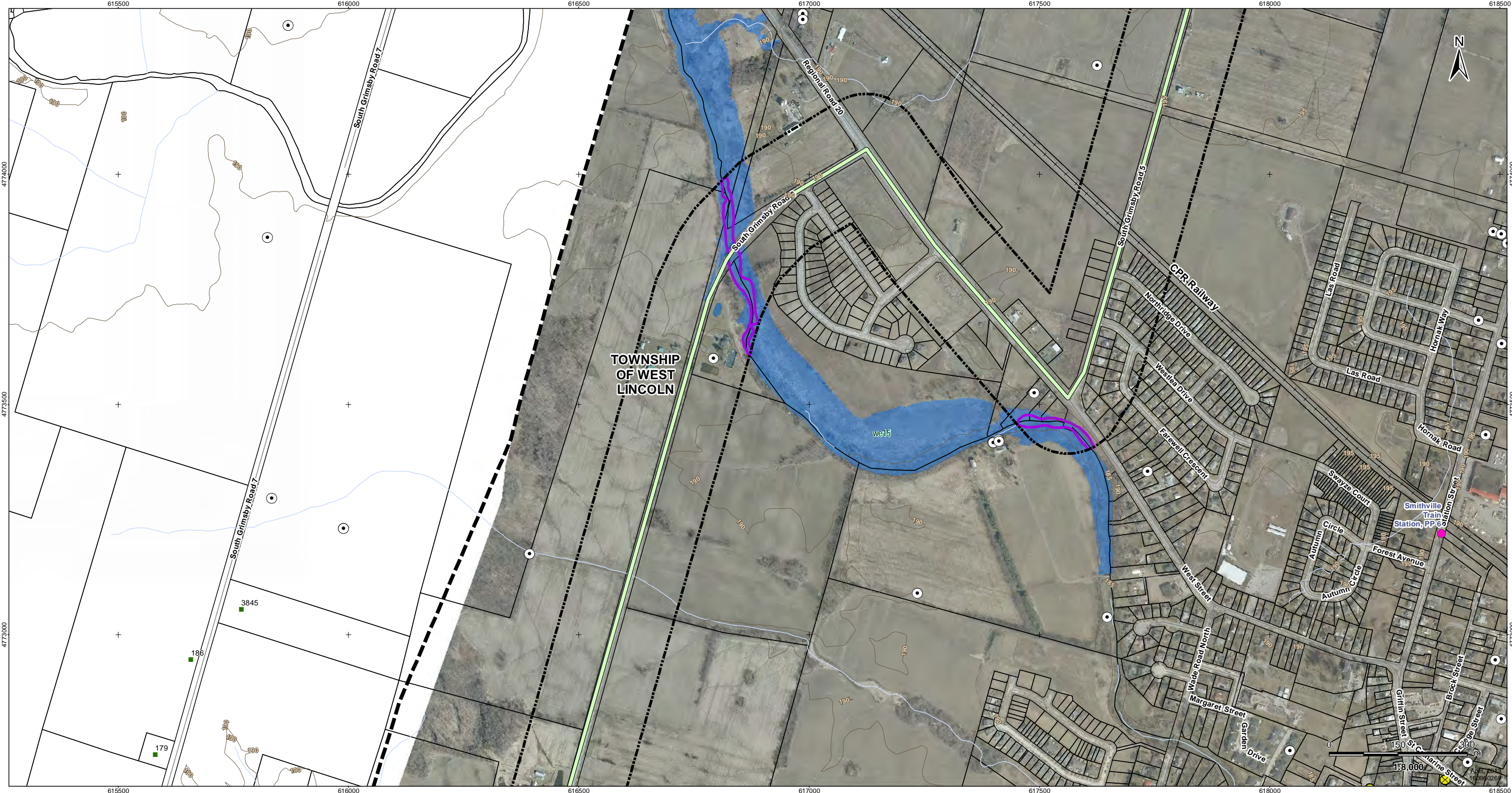


Client/Project
Niagara Region Wind Corporation

Figure No.
2.6

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

April, 2013
160950269



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)

- 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)

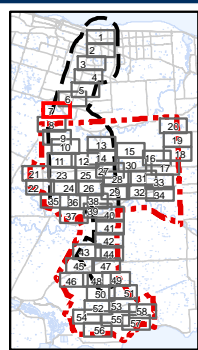
- Significant Wildlife Habitat**
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle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

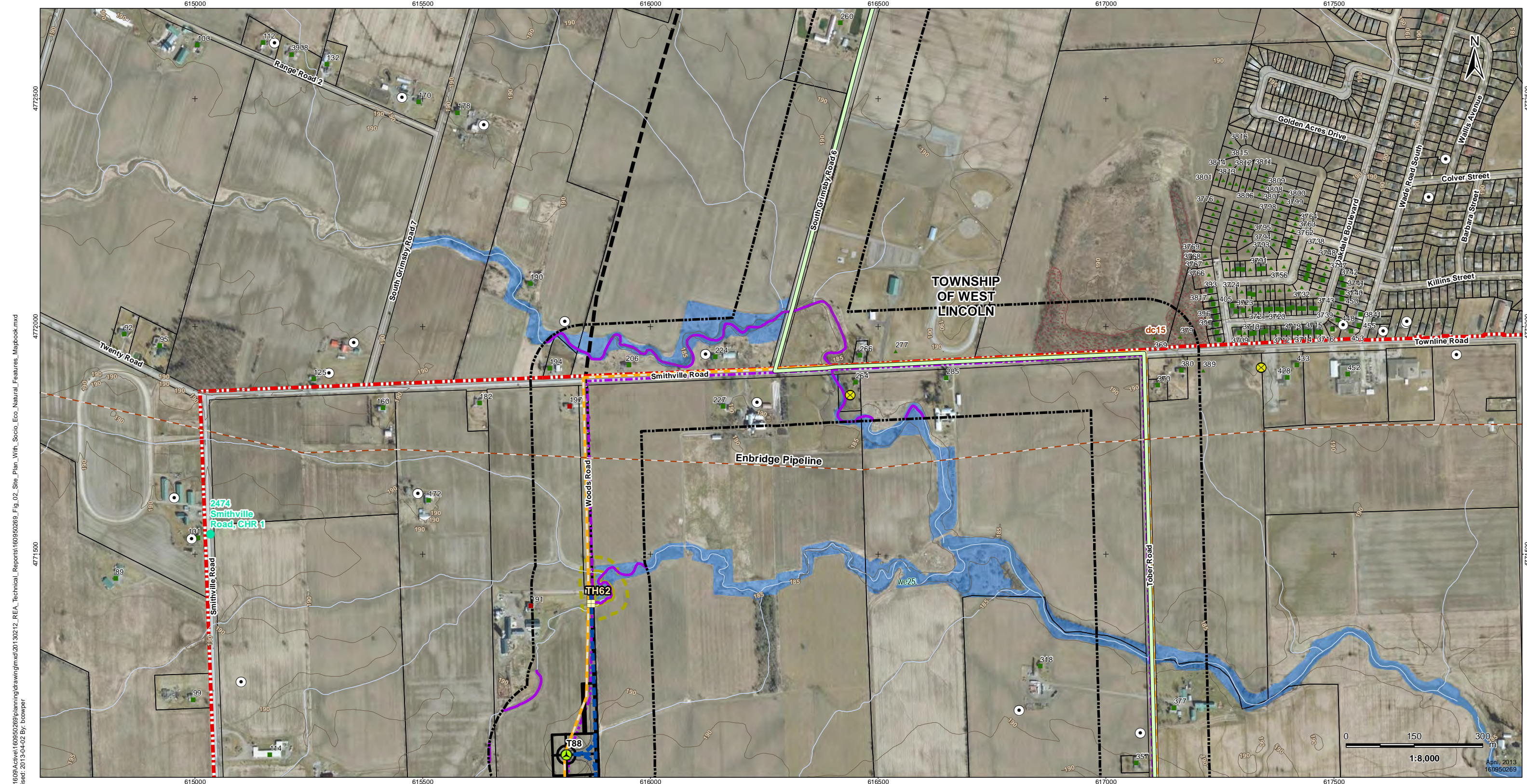


Client/Project
Niagara Region Wind Corporation

Figure No.
2.7

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





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 Revised: 2013-04-02 By: bcowper



Legend

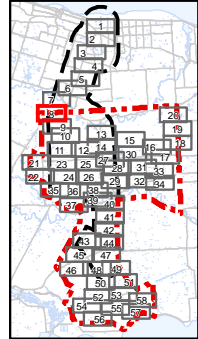
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission 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
- 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

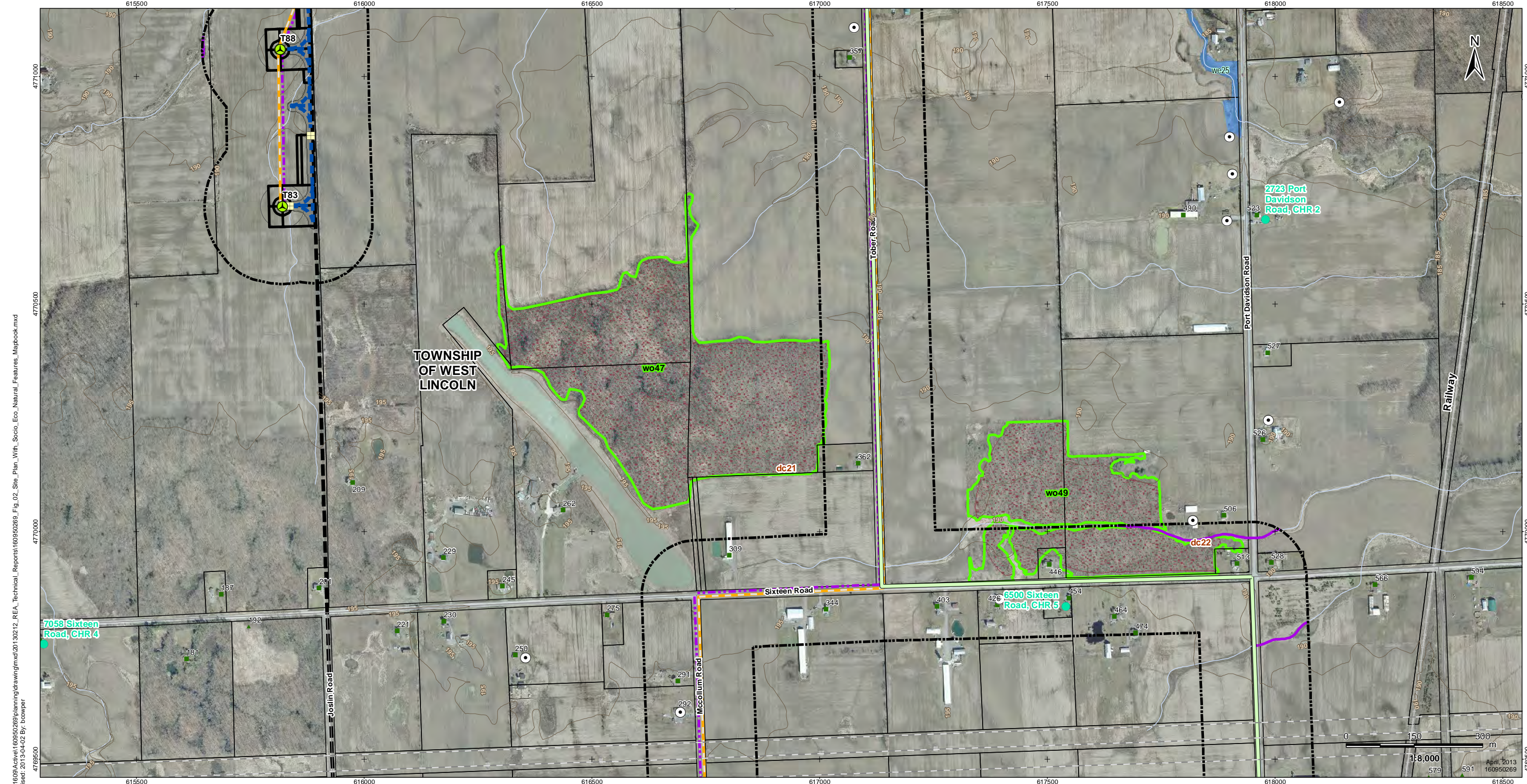
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library,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



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 Revised: 2013-04-02 By: bcowper

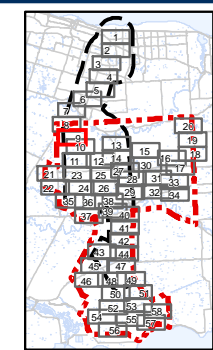


Legend

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| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors 5 Occupied Vacant Participating Noise Receptors 5 Occupied Vacant |
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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. 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.

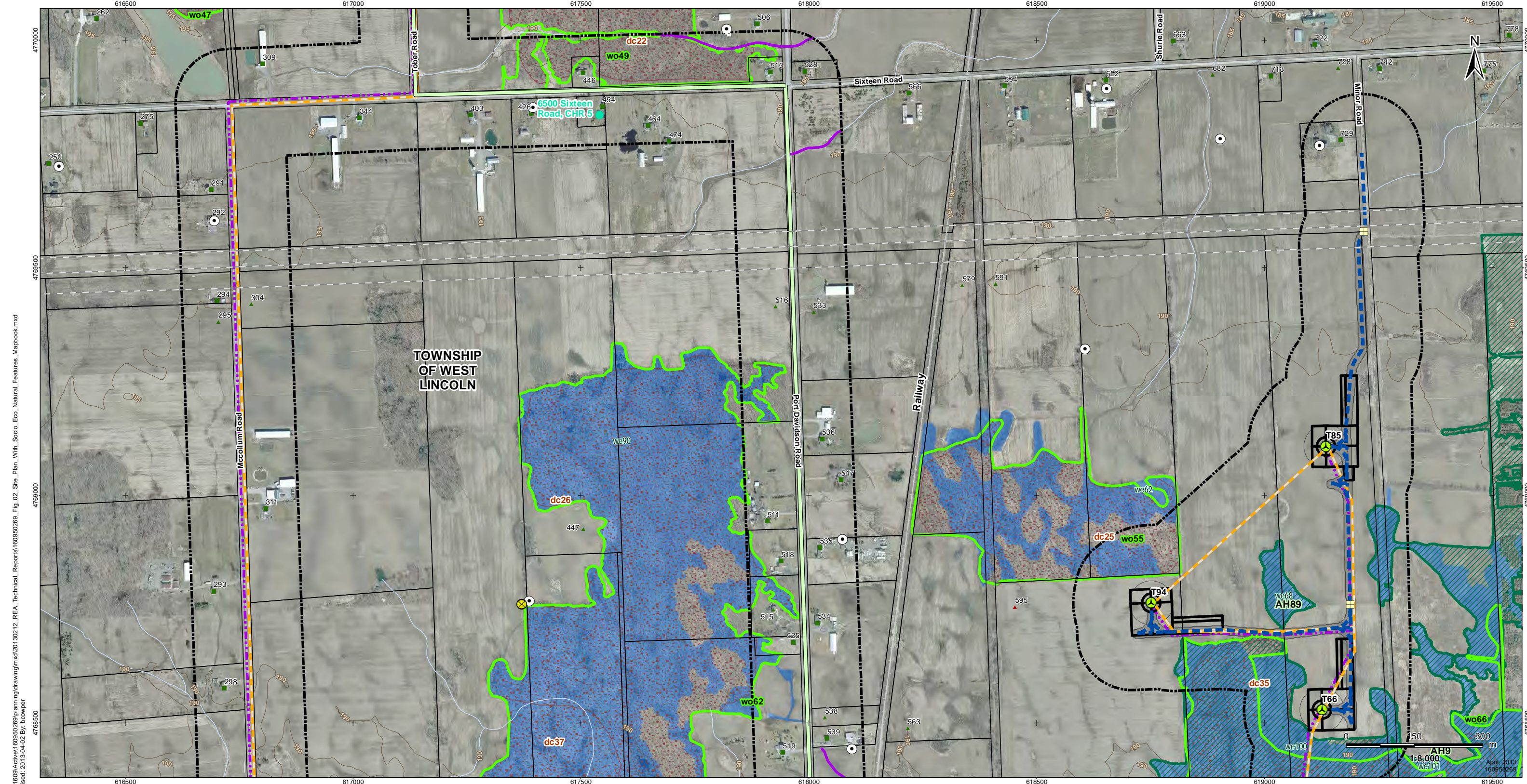


Client/Project
Niagara Region Wind Corporation

Figure No.
2.9

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





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 Revised: 2013-04-02 By: bcowper

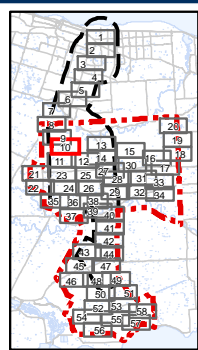


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| <ul style="list-style-type: none"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Project Components Proposed Turbine Location Turbine Blade Length Tap-in Location Transformer Substation Location Junction Box Proposed Culvert Preferred Transmission Line Route Alternate Transmission Line Route | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <p>Significant Wildlife Habitat</p> <ul style="list-style-type: none"> 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 | <p>Significant Natural Features</p> <ul style="list-style-type: none"> Woodland Communities Wetland Communities ANSI, Earth Science, Provincially Significant (MNR) ANSI, Life Science, Provincially Significant (MNR) <p>Cultural Heritage Features</p> <ul style="list-style-type: none"> Protected Property Cultural Heritage Resource Landfill - Active (MOE) Landfill - Closed (MOE) Petroleum Well (OGSR) ⁴ Water Well (MOE) ⁵ | <p>Non-participating Receptors ⁵</p> <ul style="list-style-type: none"> Occupied Vacant <p>Participating Noise Receptors ⁵</p> <ul style="list-style-type: none"> Occupied Vacant |
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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.
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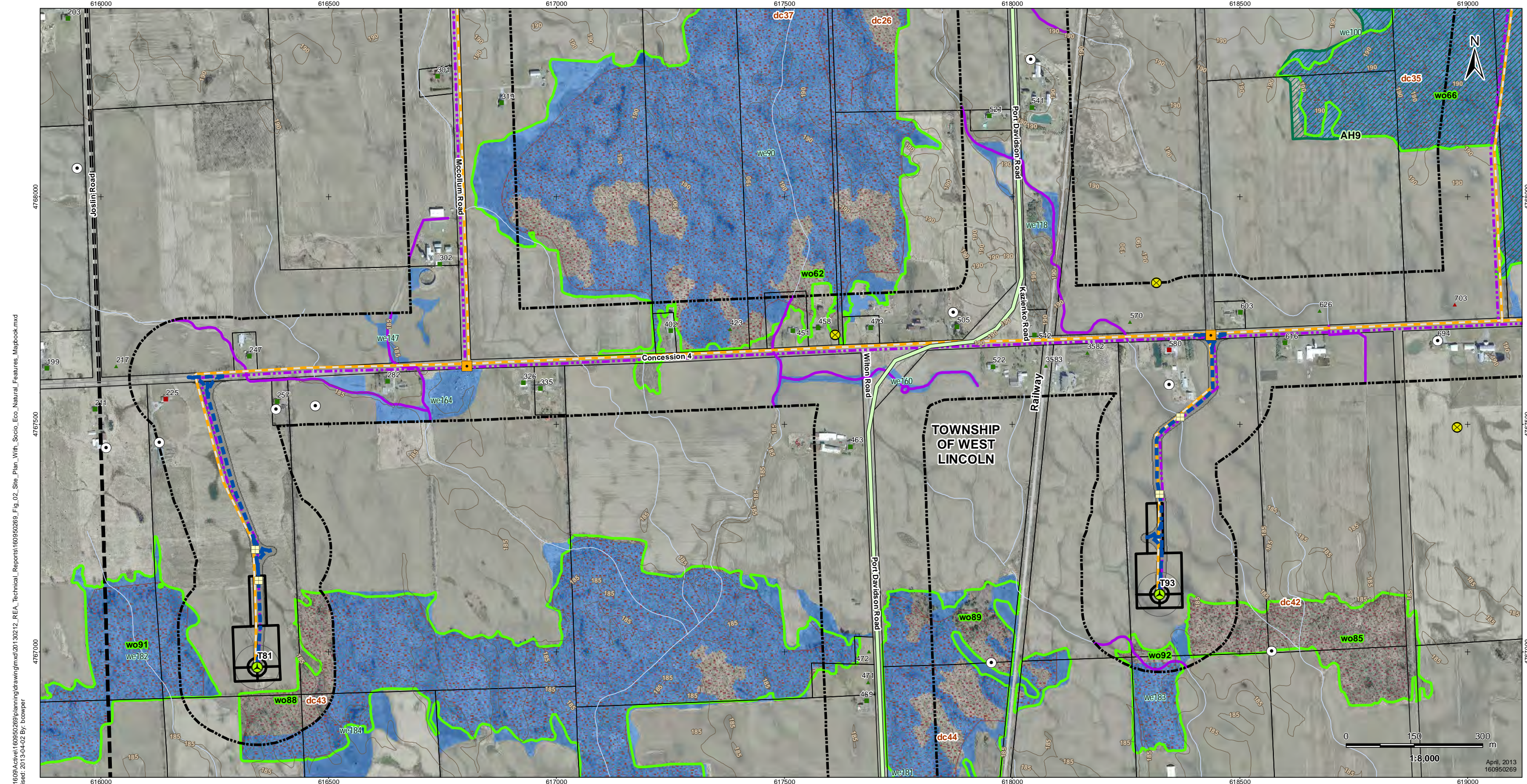


Client/Project
Niagara Region Wind Corporation

Figure No.
2.10

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

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 Revised: 2013-04-02 By: bcowper



Legend

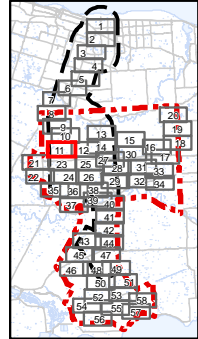
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission 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.

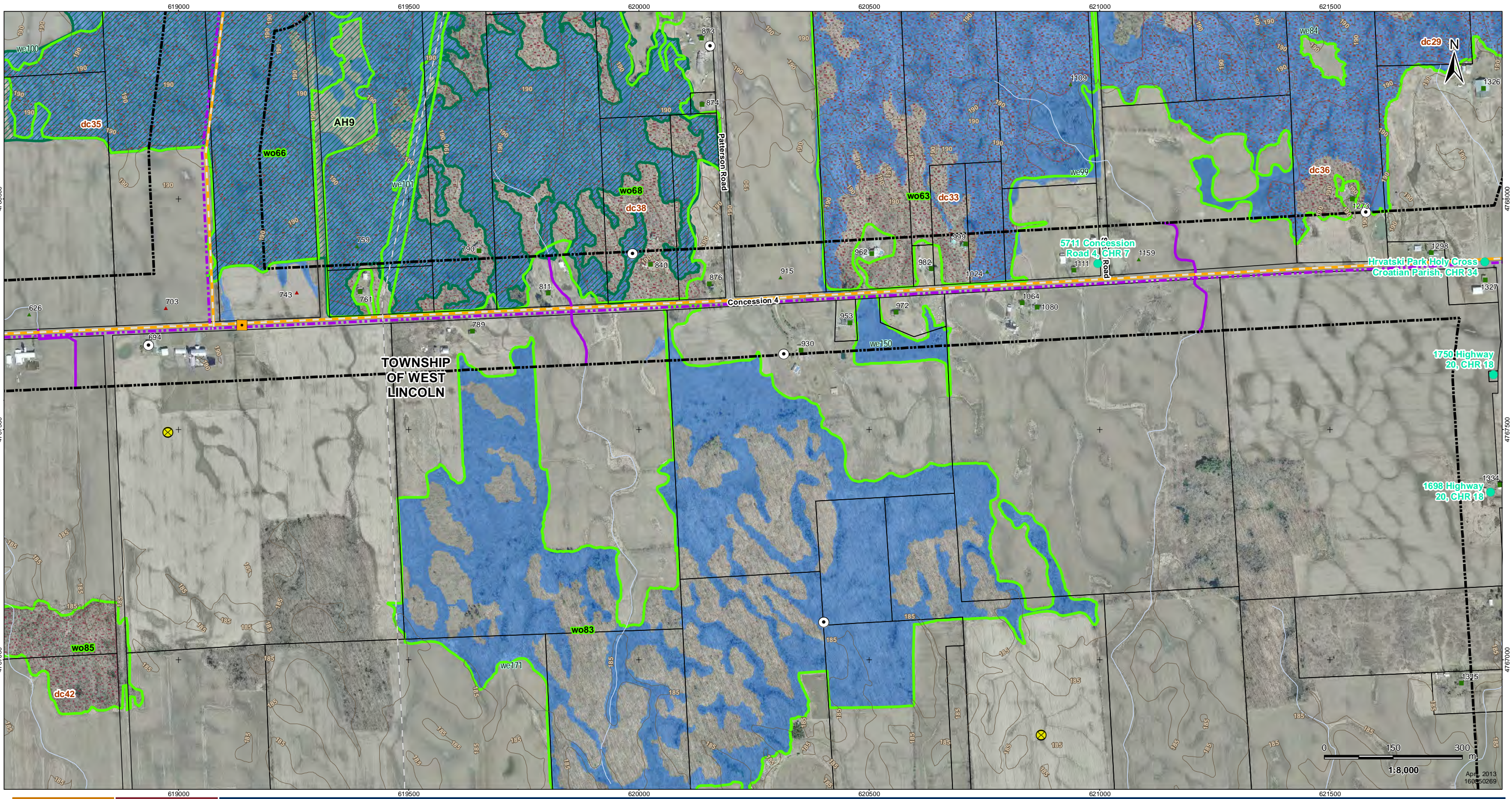


Client/Project
Niagara Region Wind Corporation

Figure No.
2.11

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

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)

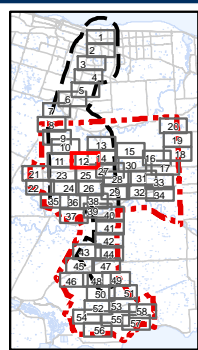
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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



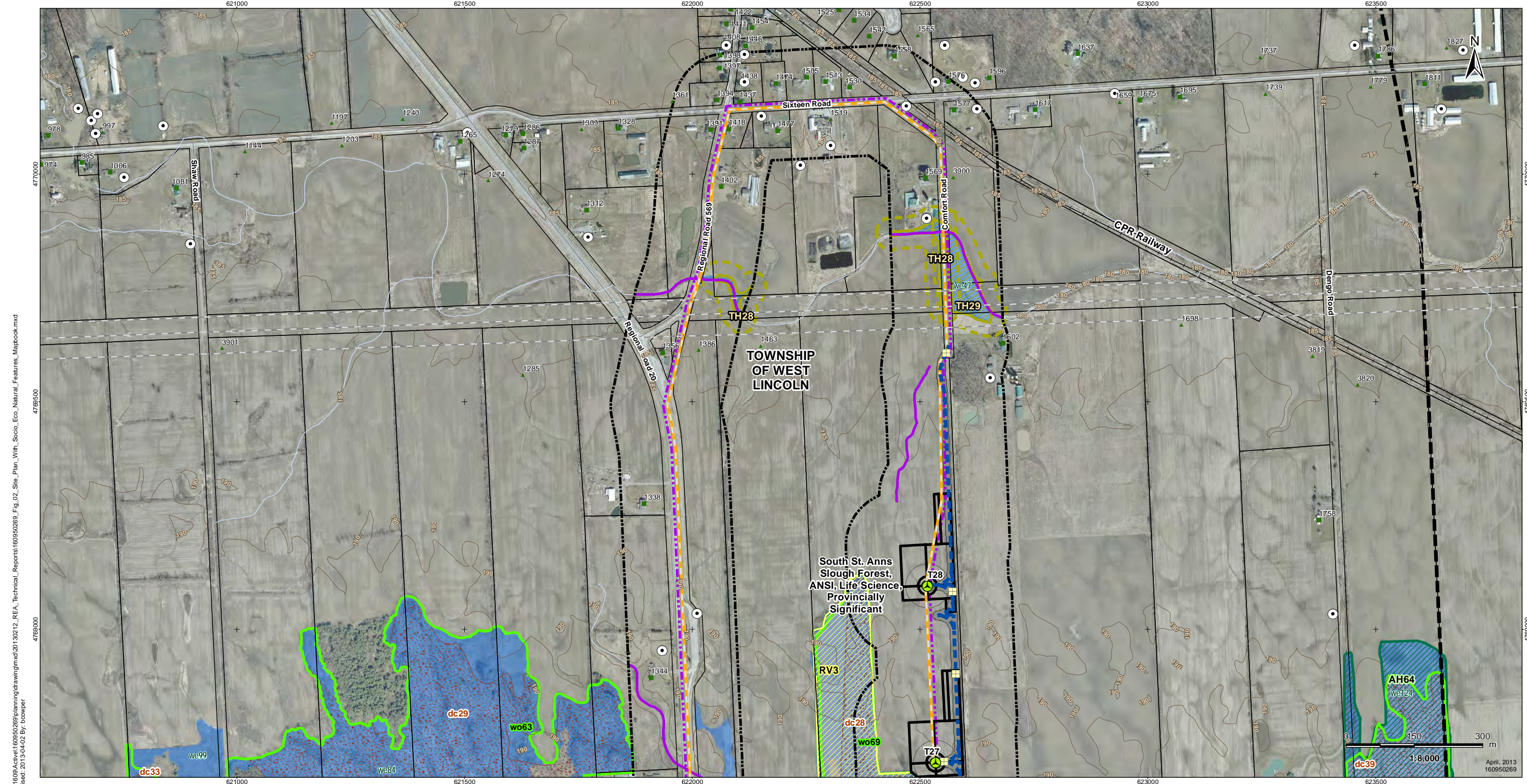
Client/Project
Niagara Region Wind Corporation

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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April 2013
160950269



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 Revised: 2013-04-02 By: bcowper



Legend

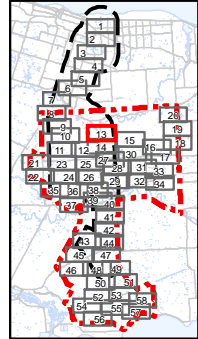
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission 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. Orthomage 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.

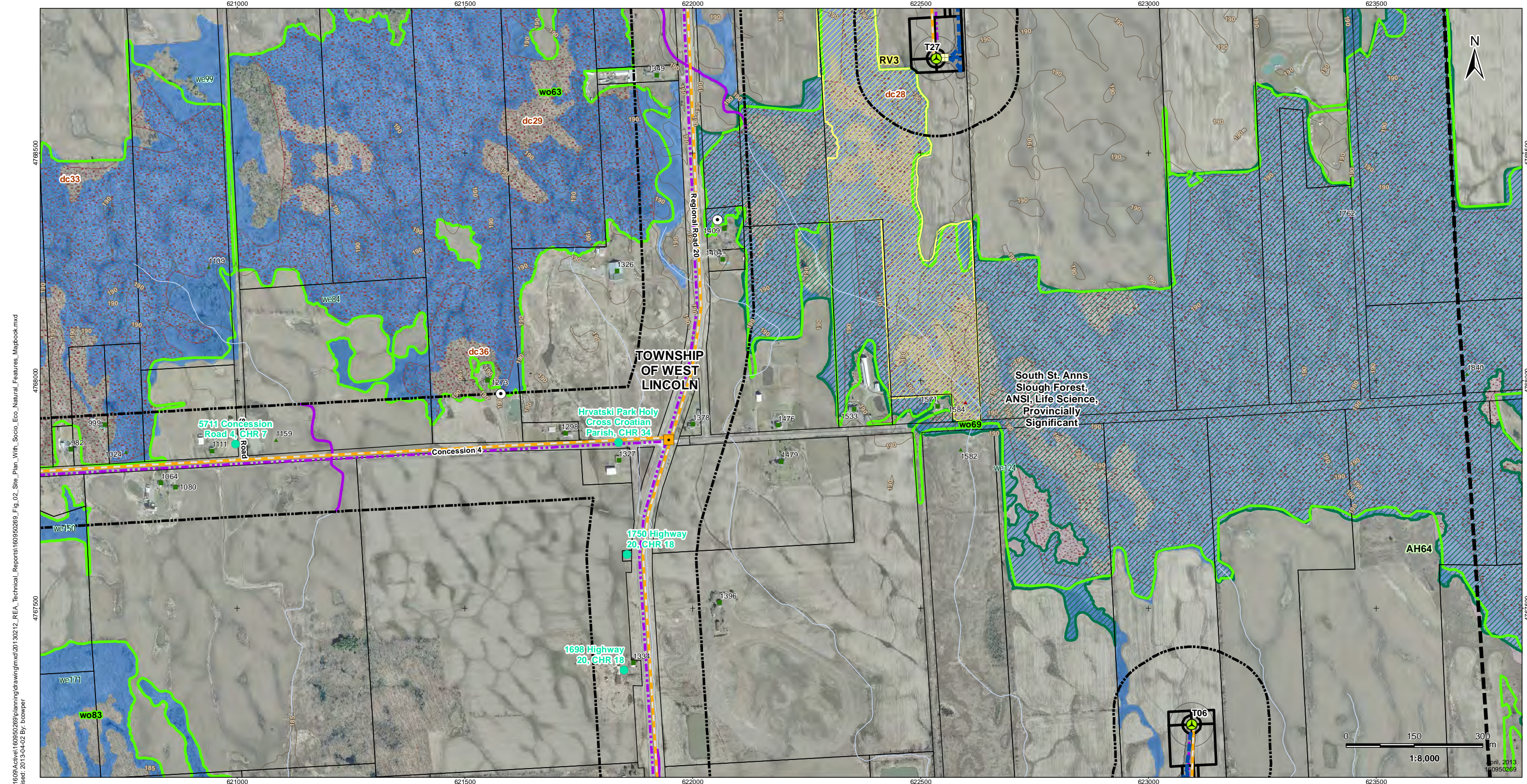


Client/Project
Niagara Region Wind Corporation

Figure No.
2.13

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

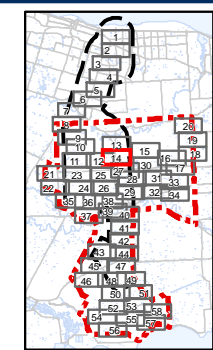


Legend

- | | | | | | |
|---|--|--|---|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors 5 Occupied Vacant Participating Noise Receptors 5 Occupied Vacant |
|---|--|--|---|---|--|

Notes

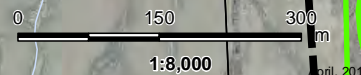
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library,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



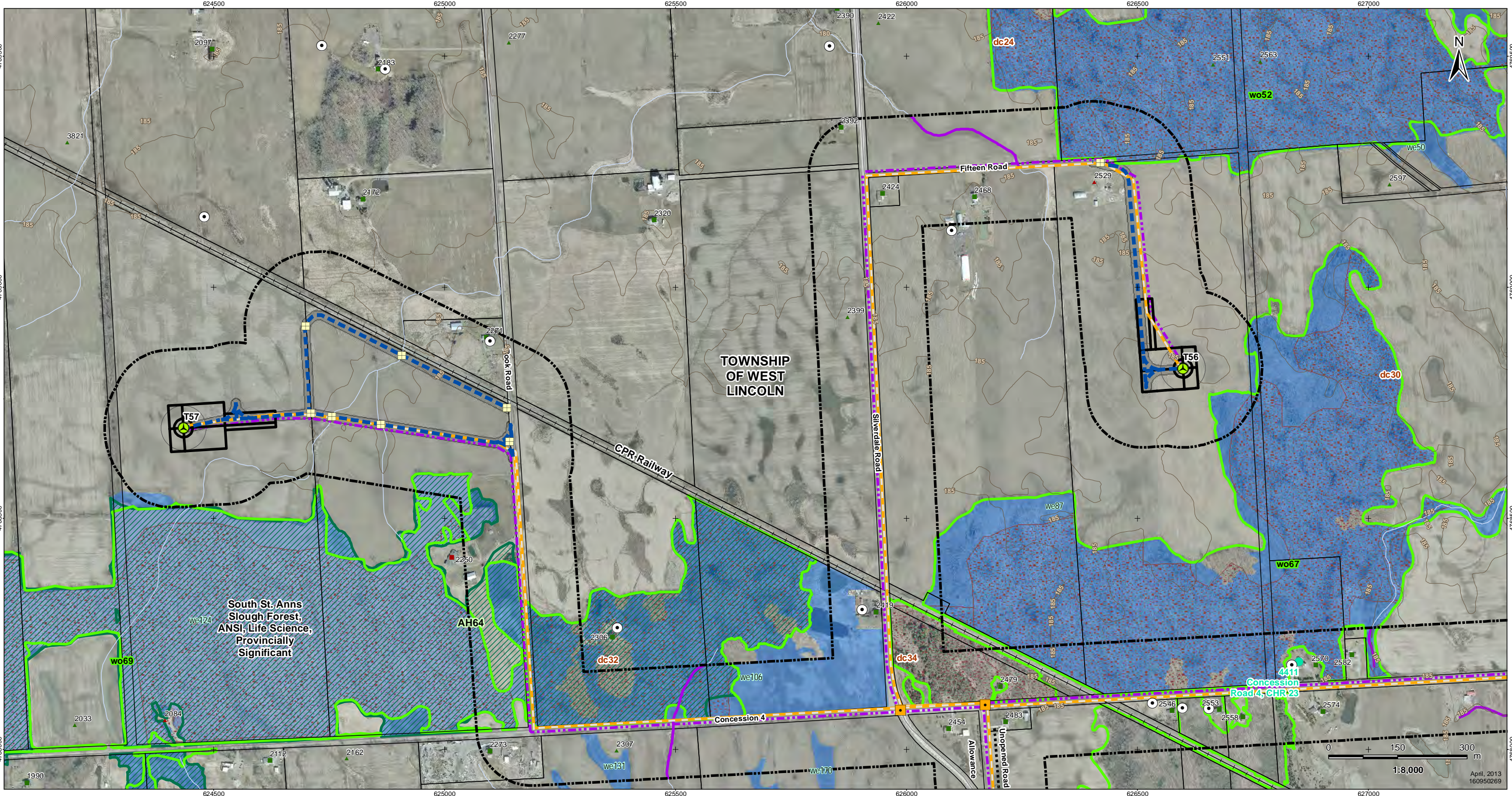
Client/Project
Niagara Region Wind Corporation

Figure No.
2.14

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



April, 2013
160950269



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 Revised: 2013-04-02 By: bcompw

624500 625000 625500 626000 626500 627000 4768000 4768500 4769000 4769500



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)

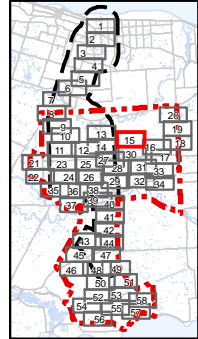
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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

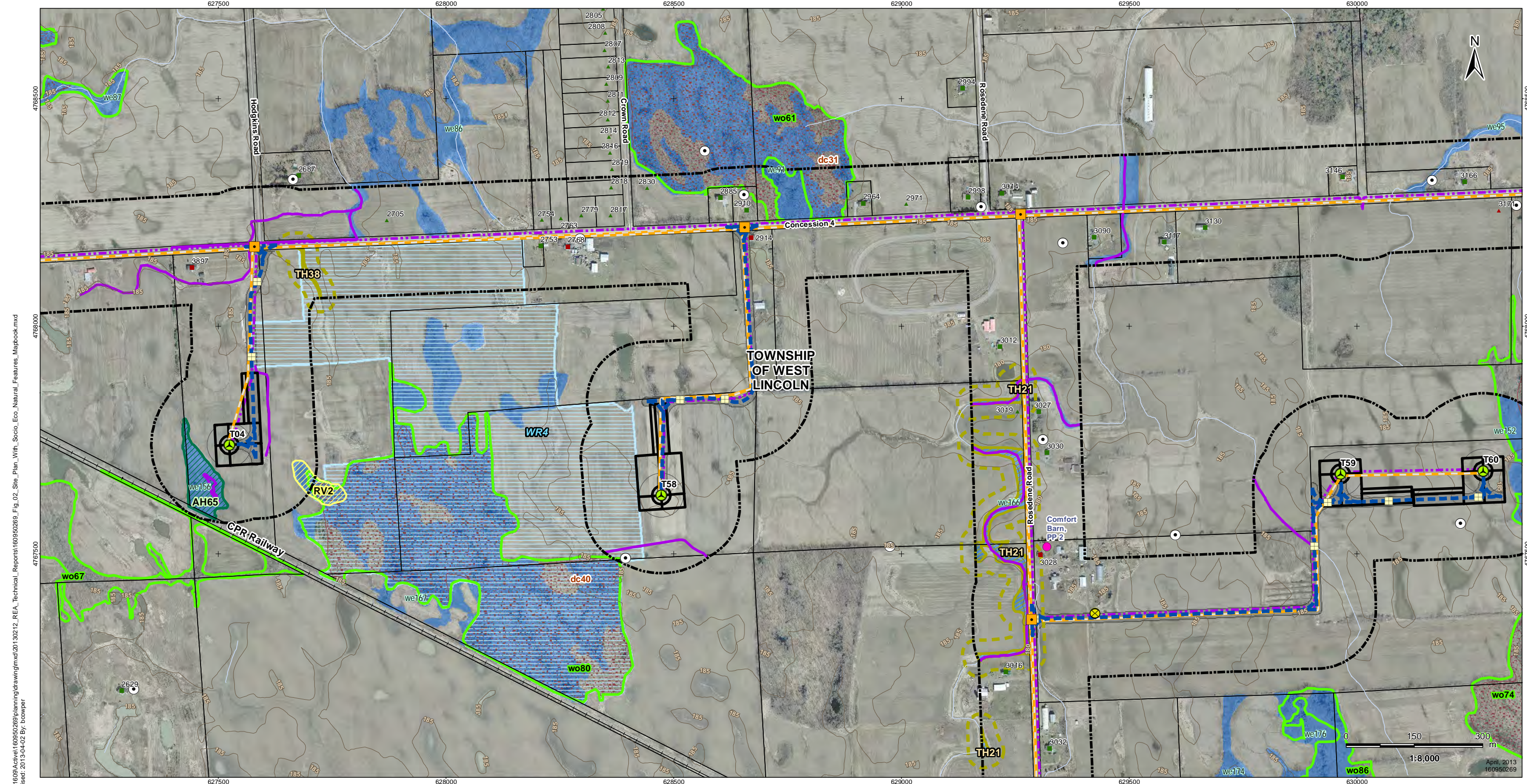


Client/Project
Niagara Region Wind Corporation

Figure No.
2.15

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

April, 2013
160950269



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 Revised: 2013-04-02 By: bcowper

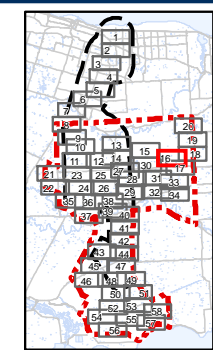


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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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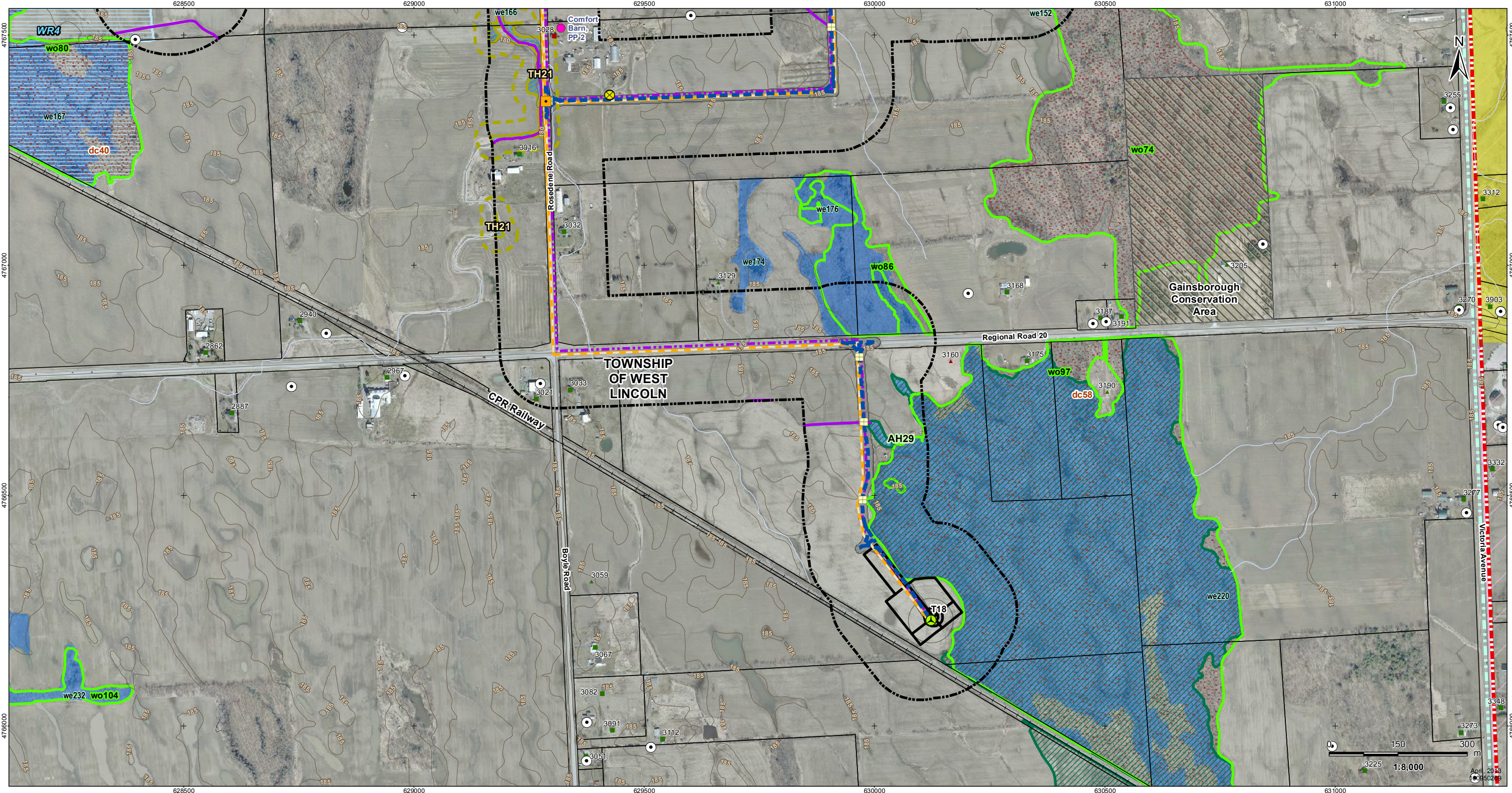


Client/Project
Niagara Region Wind Corporation

Figure No.
2.16

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

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 Revised: 2013-04-18 By: bcowper



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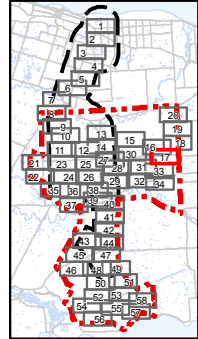
<ul style="list-style-type: none"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Project Components ● Proposed Turbine Location Turbine Blade Length ★ Tap-in Location ★ Transformer Substation Location ■ Junction Box Proposed Culvert Preferred Transmission Line Route Alternate Transmission Line Route 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Existing Transmission Line Pipeline Topographic Contour (mAMSLS) 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) 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Significant Natural Features Woodland Communities Wetland Communities ANSI, Earth Science, Provincially Significant (MNR) ANSI, Life Science, Provincially Significant (MNR) Protected_Property_point ● Protected Property Cultural Heritage Resource ▼ Landfill - Active (MOE) ▼ Landfill - Closed (MOE) Petroleum Well (OGSR) ⁴ Water Well (MOE) ⁵ 	<ul style="list-style-type: none"> Non-participating Receptors ⁵ ▲ Occupied ▲ Vacant Participating Noise Receptors ⁵ ▲ Occupied ▲ Vacant
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Client/Project
Niagara Region Wind Corporation

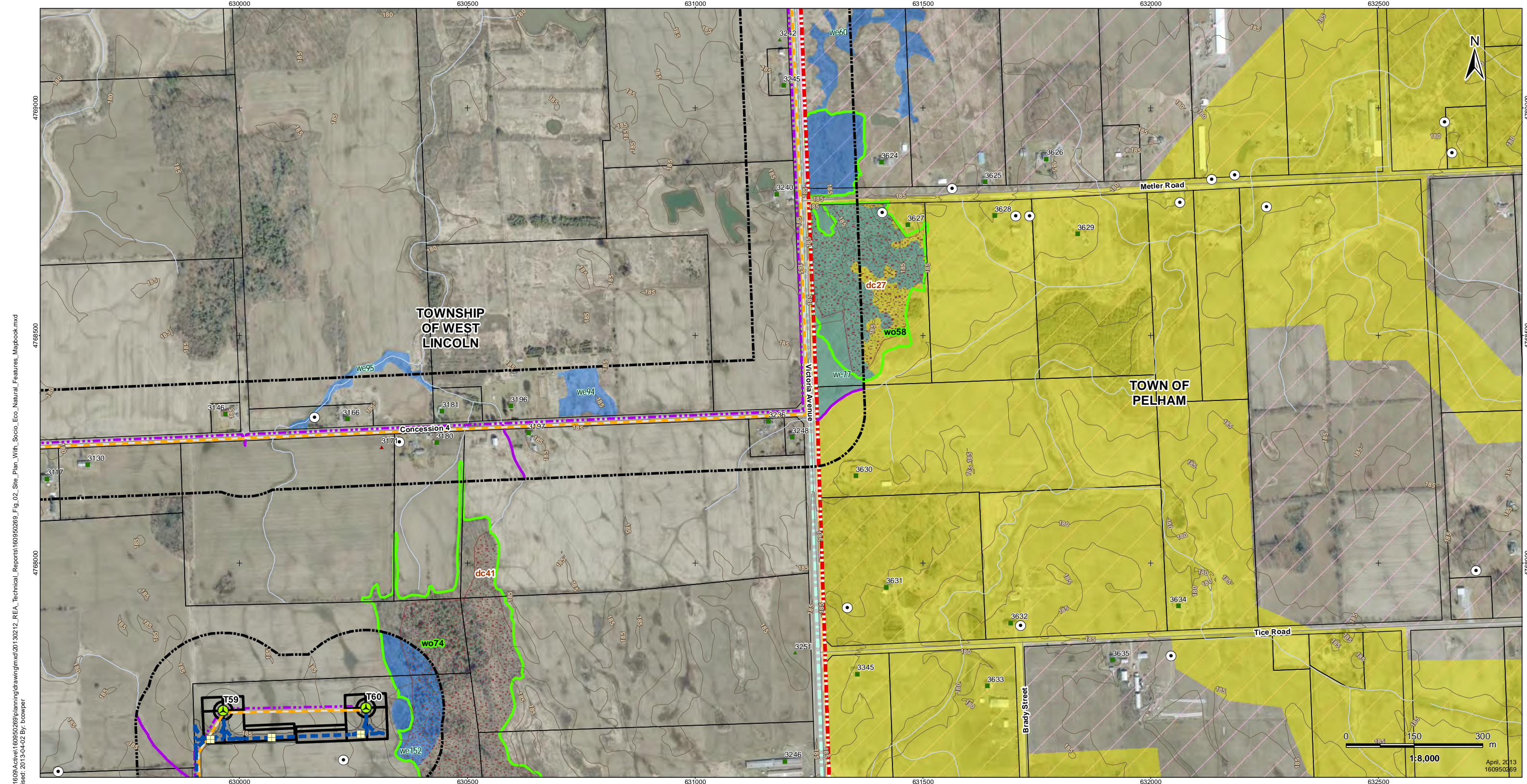
Figure No.
2.17

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

- 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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April 2013



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 Revised: 2013-04-02 By: bcowper

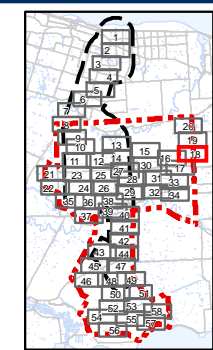


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors ⁵ Occupied Vacant Participating Noise Receptors ⁵ Occupied Vacant |
|---|--|--|--|---|--|

Notes

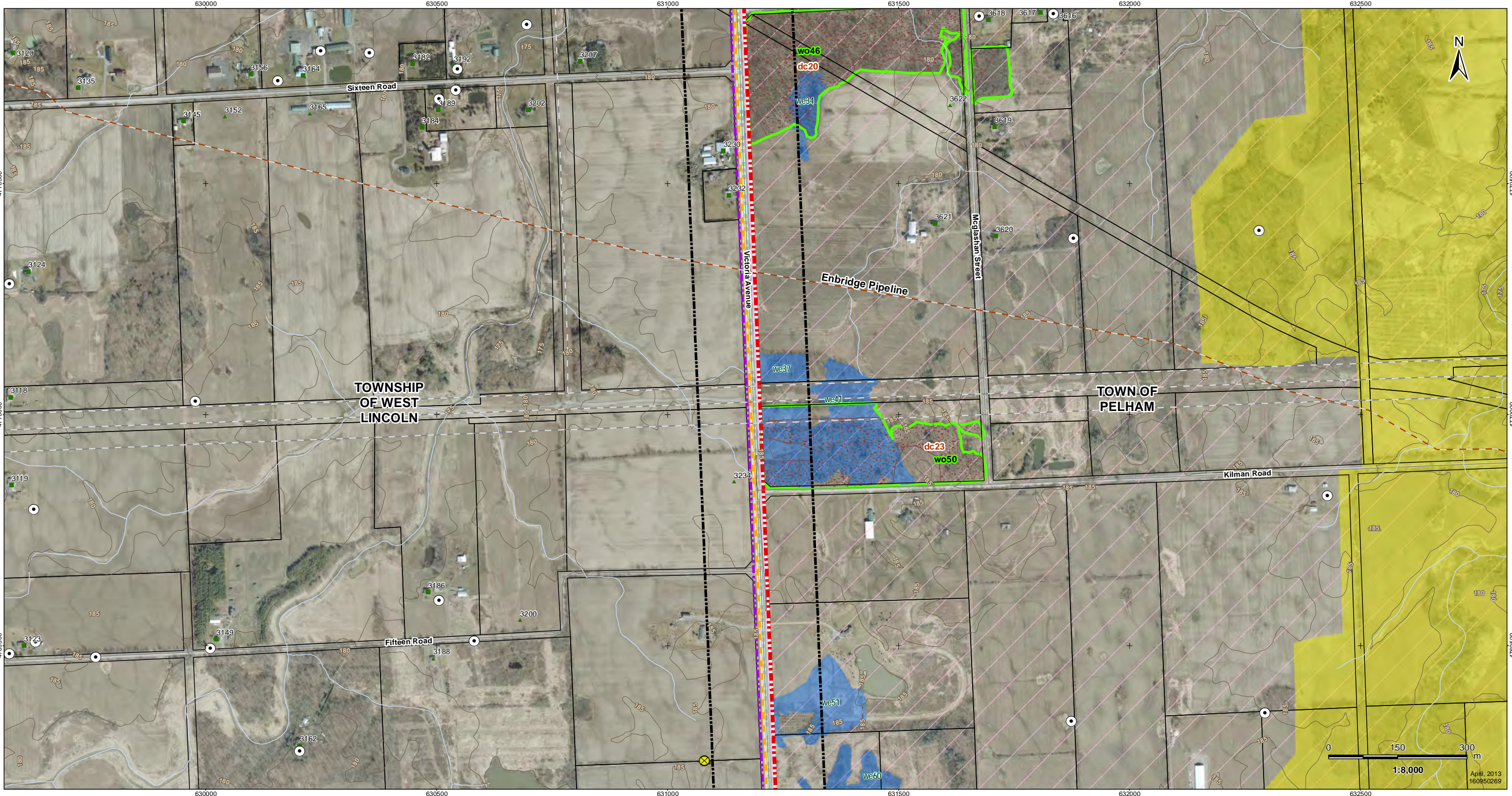
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 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.
2.18

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



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 Revised: 2013-04-02 By: bcowper

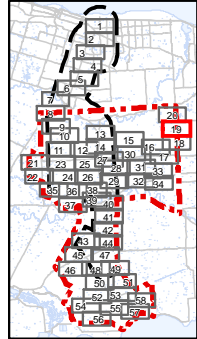


Legend

<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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 			
<ul style="list-style-type: none"> Non-participating Receptors 5 Occupied Vacant Participating Noise Receptors 5 Occupied Vacant 			

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.

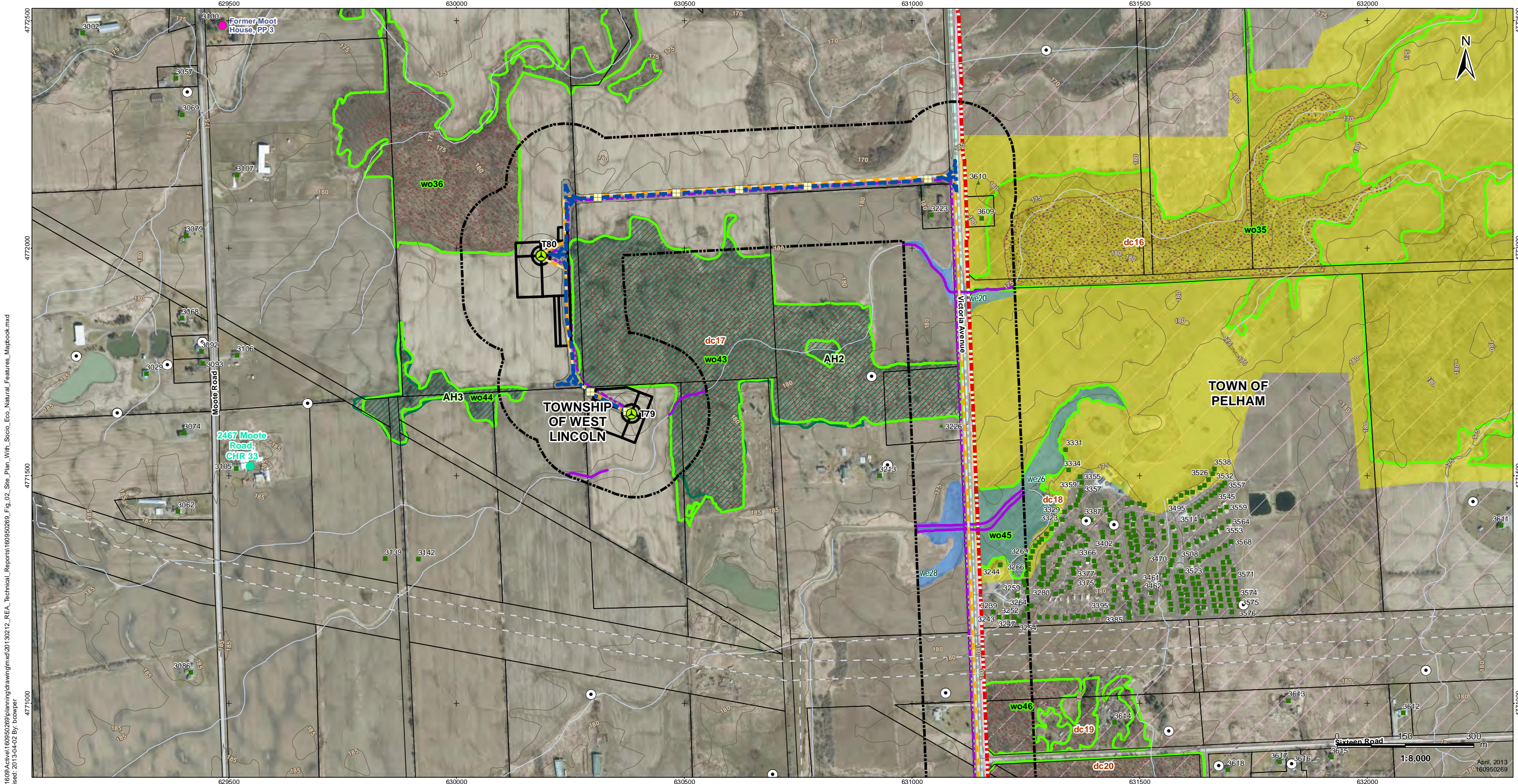


Client/Project
Niagara Region Wind Corporation

Figure No.
2.19

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

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 (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)

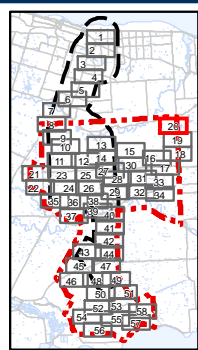
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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

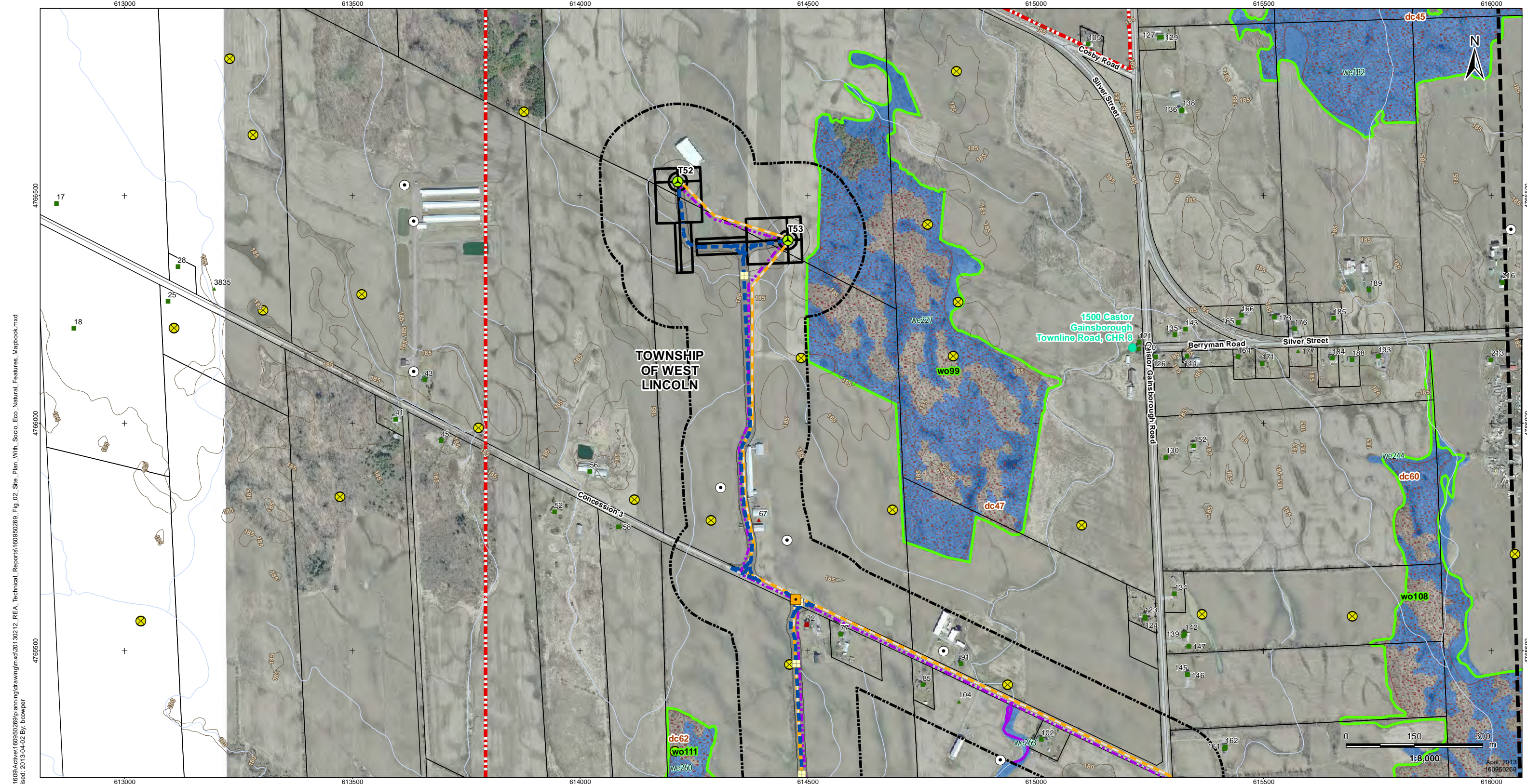


Client/Project
Niagara Region Wind Corporation

Figure No.
2.20

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

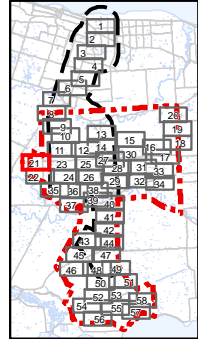


Legend

- | | | | | | |
|---|--|---|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors 5 Occupied Vacant Participating Noise Receptors 5 Occupied Vacant |
|---|--|---|--|---|--|

Notes

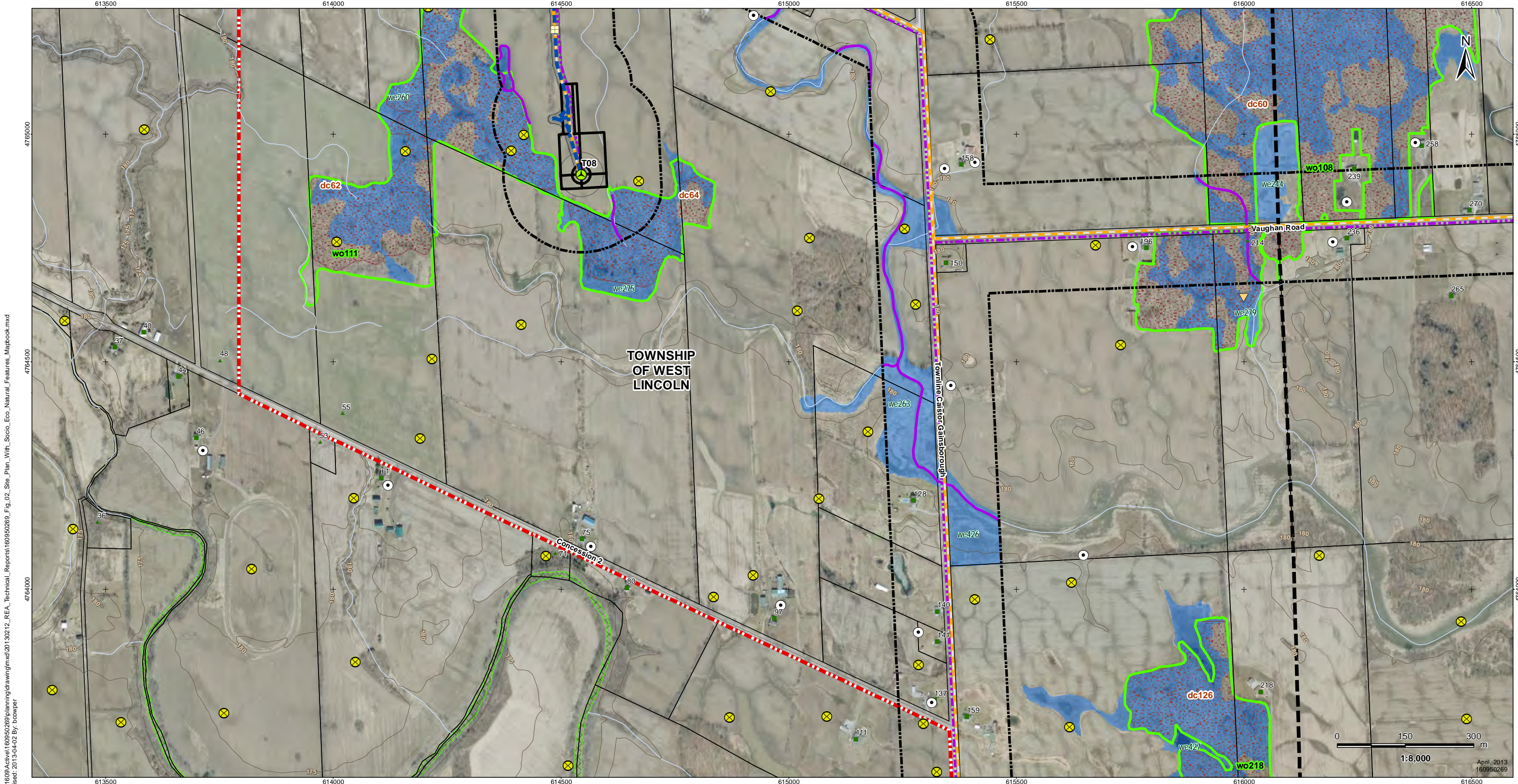
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 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.
2.21

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



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 Revised: 2013-04-02 By: bcowper

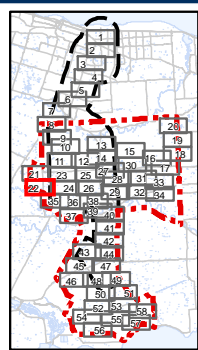


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors ⁵ Occupied Vacant Participating Noise Receptors ⁵ Occupied Vacant |
|---|--|--|--|---|--|

Notes

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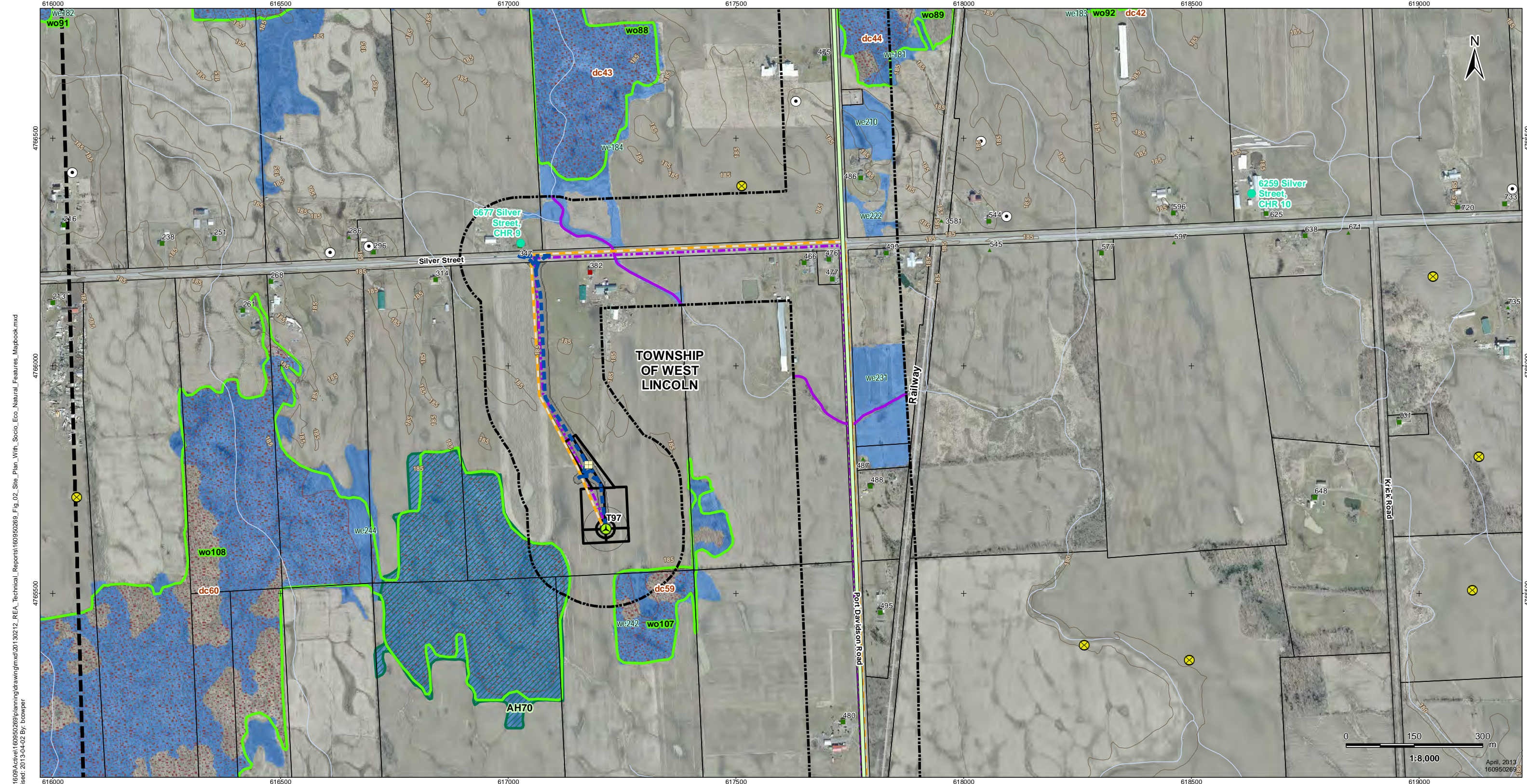


Client/Project
Niagara Region Wind Corporation

Figure No.
2.22

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

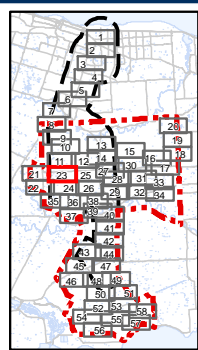


Legend

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| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors ⁵ Occupied Vacant Participating Noise Receptors ⁵ Occupied Vacant |
|---|--|--|--|--|--|

Notes

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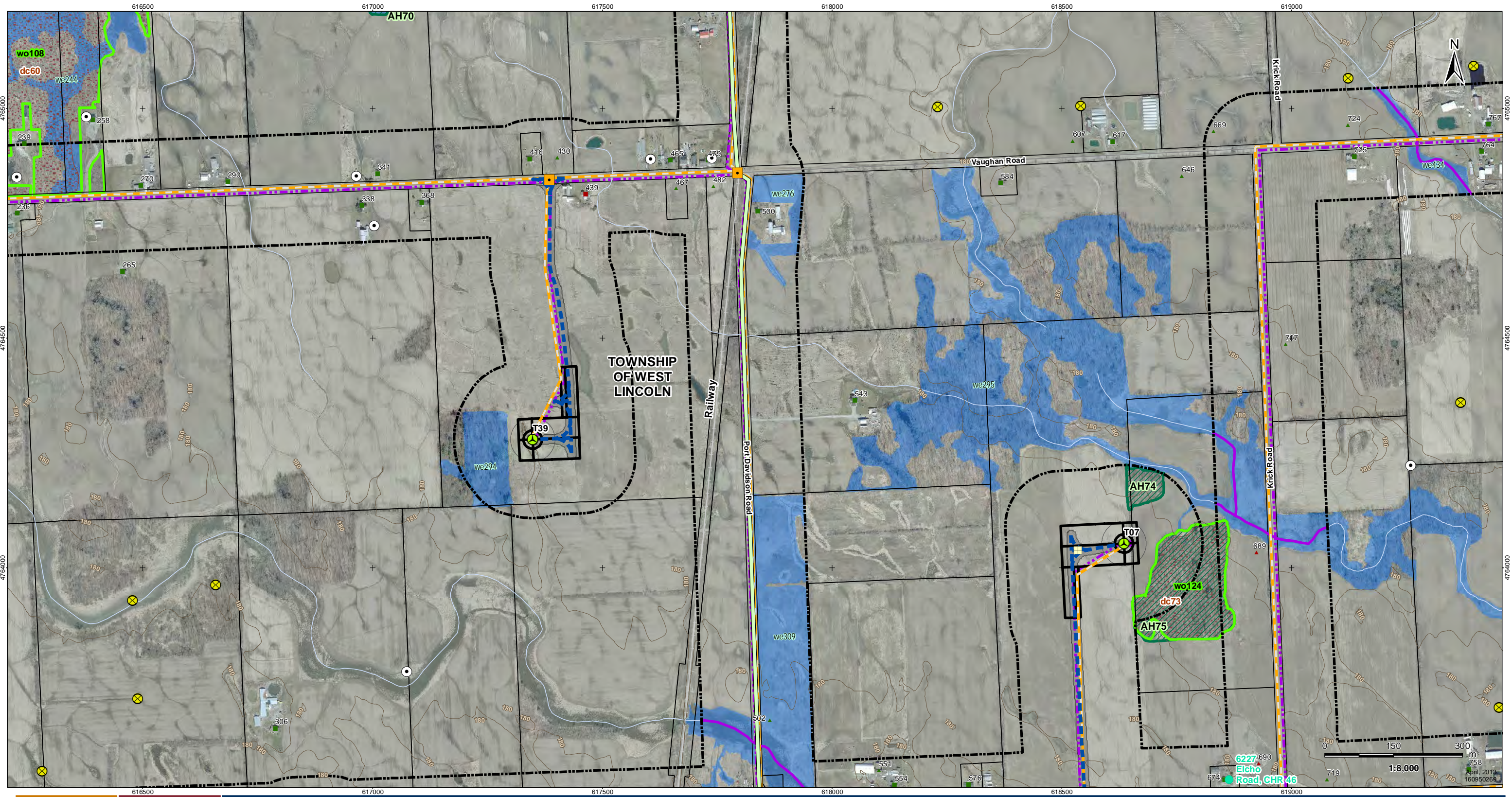


Client/Project
Niagara Region Wind Corporation

Figure No.
2.23

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

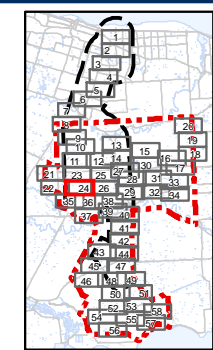


Legend

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| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors 5 Occupied Vacant Participating Noise Receptors 5 Occupied Vacant |
|---|--|--|--|---|--|

Notes

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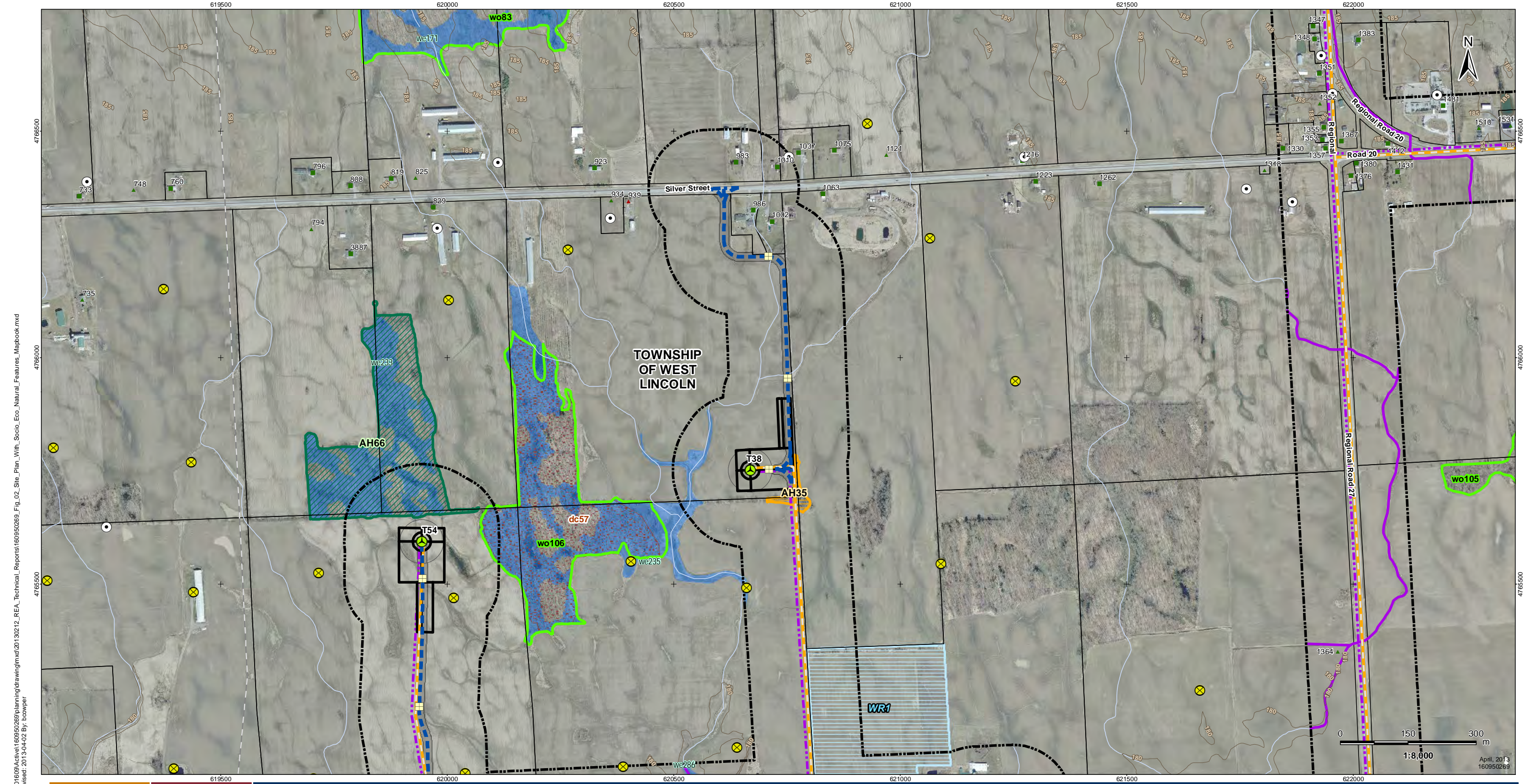


Client/Project
Niagara Region Wind Corporation

Figure No.
2.24

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

Scale: 1:8,000
Date: April, 2012
1609502689



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 Revised: 2013-04-02 By: bcowper

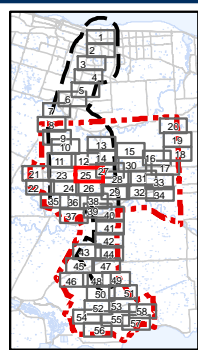


Legend

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| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors ⁵ Occupied Vacant Participating Noise Receptors ⁵ Occupied Vacant |
|---|--|--|--|---|--|

Notes

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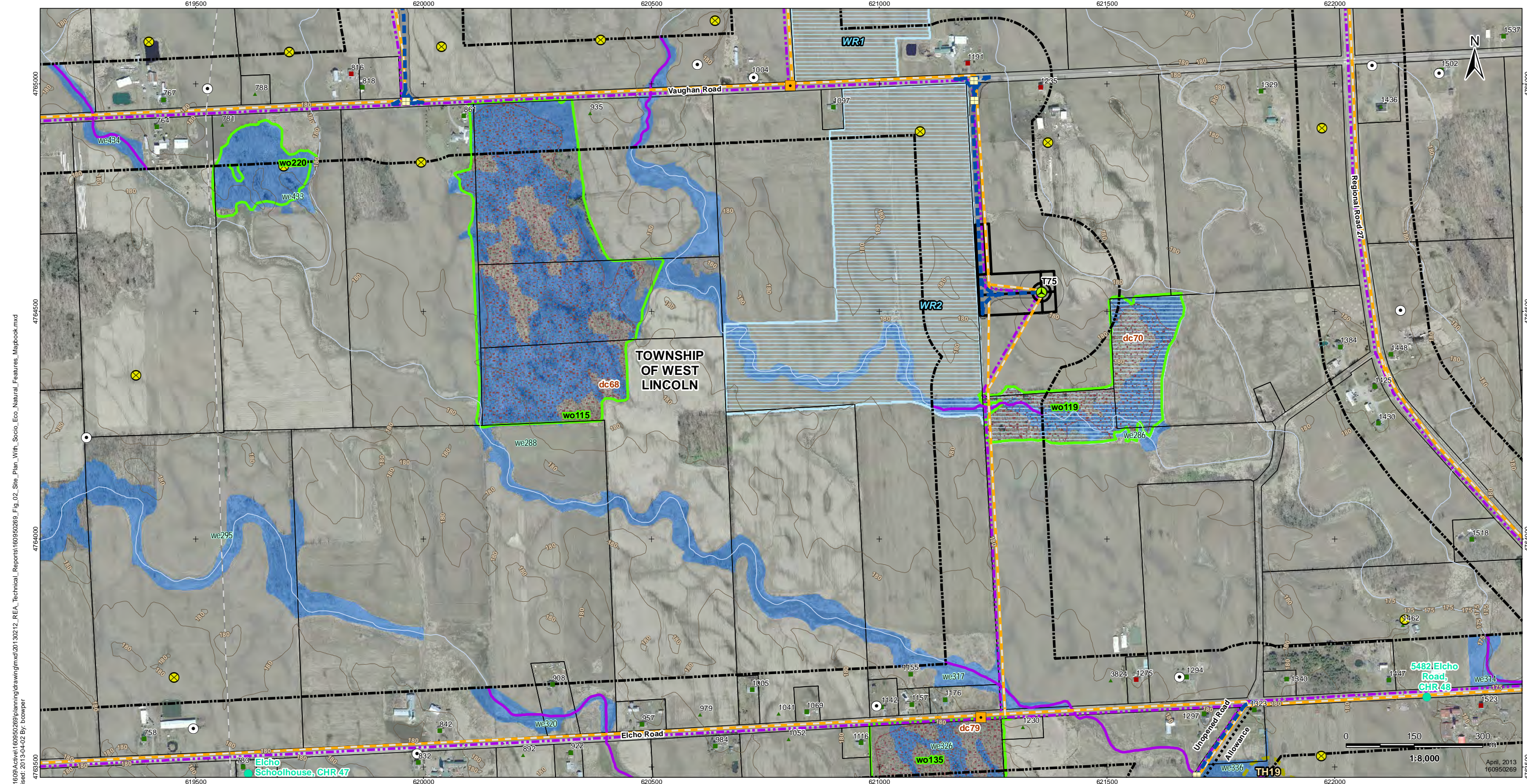


Client/Project
Niagara Region Wind Corporation

Figure No.
2.25

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



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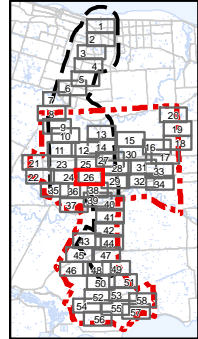
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission Line Route
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- Access Road 20m Construction Area
- Potential Construction Laydown Area
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- Existing Features
- Road
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- 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
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- 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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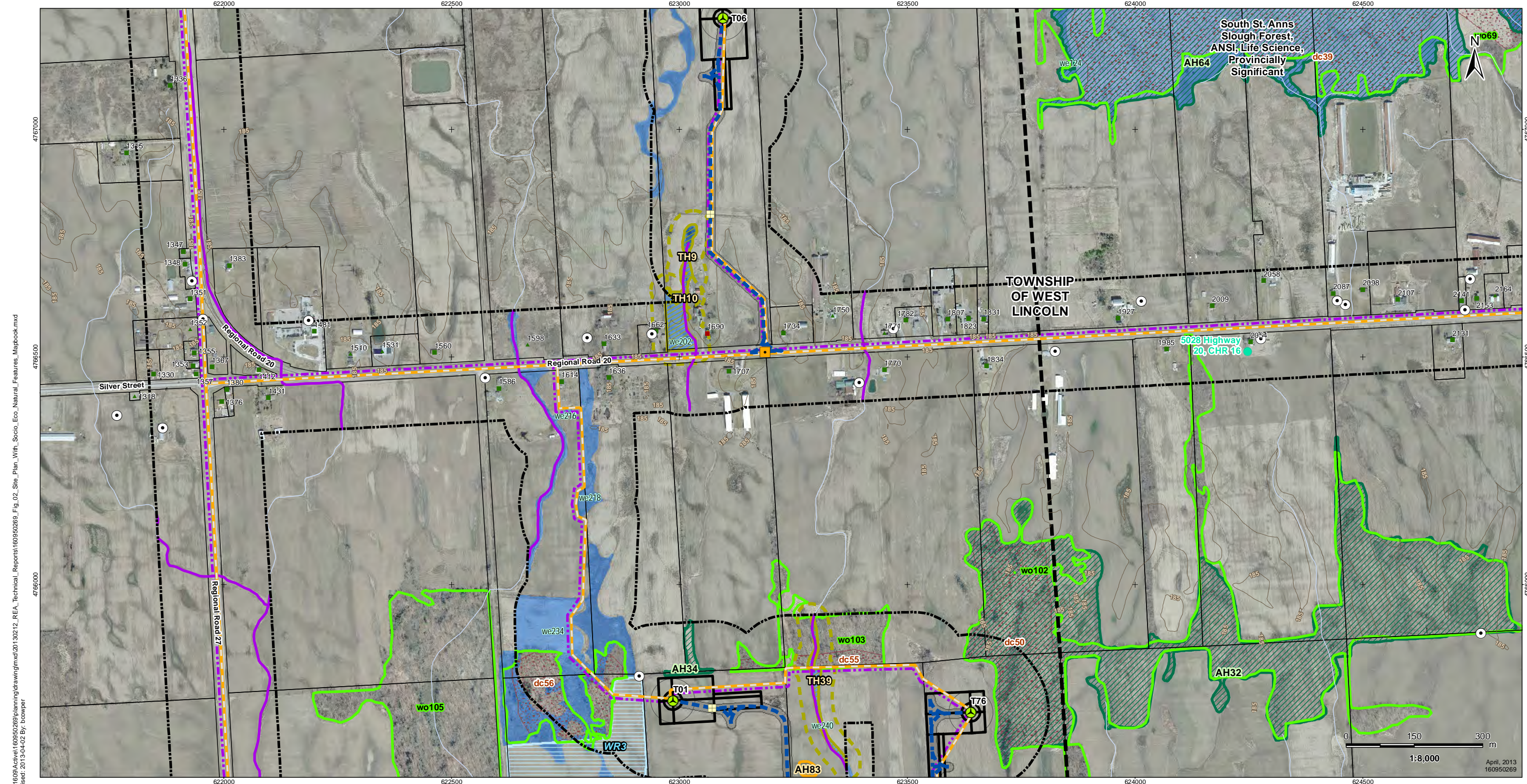
Client/Project
Niagara Region Wind Corporation

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

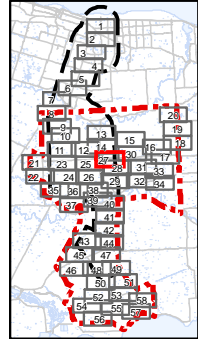


Legend

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|---|--|--|---|---|---|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 <p>Existing Features</p> <ul style="list-style-type: none"> Road Expressway / Highway Unopened Road Allowance Active Railway Abandoned Railway | <ul style="list-style-type: none"> 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) | <p>Significant Wildlife Habitat</p> <ul style="list-style-type: none"> 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 | <p>Significant Natural Features</p> <ul style="list-style-type: none"> Woodland Communities Wetland Communities ANSI, Earth Science, Provincially Significant (MNR) ANSI, Life Science, Provincially Significant (MNR) <p>Cultural Heritage Features</p> <ul style="list-style-type: none"> Protected Property Cultural Heritage Resource | <p>Non-participating Receptors ⁵</p> <ul style="list-style-type: none"> Occupied Vacant <p>Participating Noise Receptors ⁵</p> <ul style="list-style-type: none"> Occupied Vacant |
|---|--|--|---|---|---|

Notes

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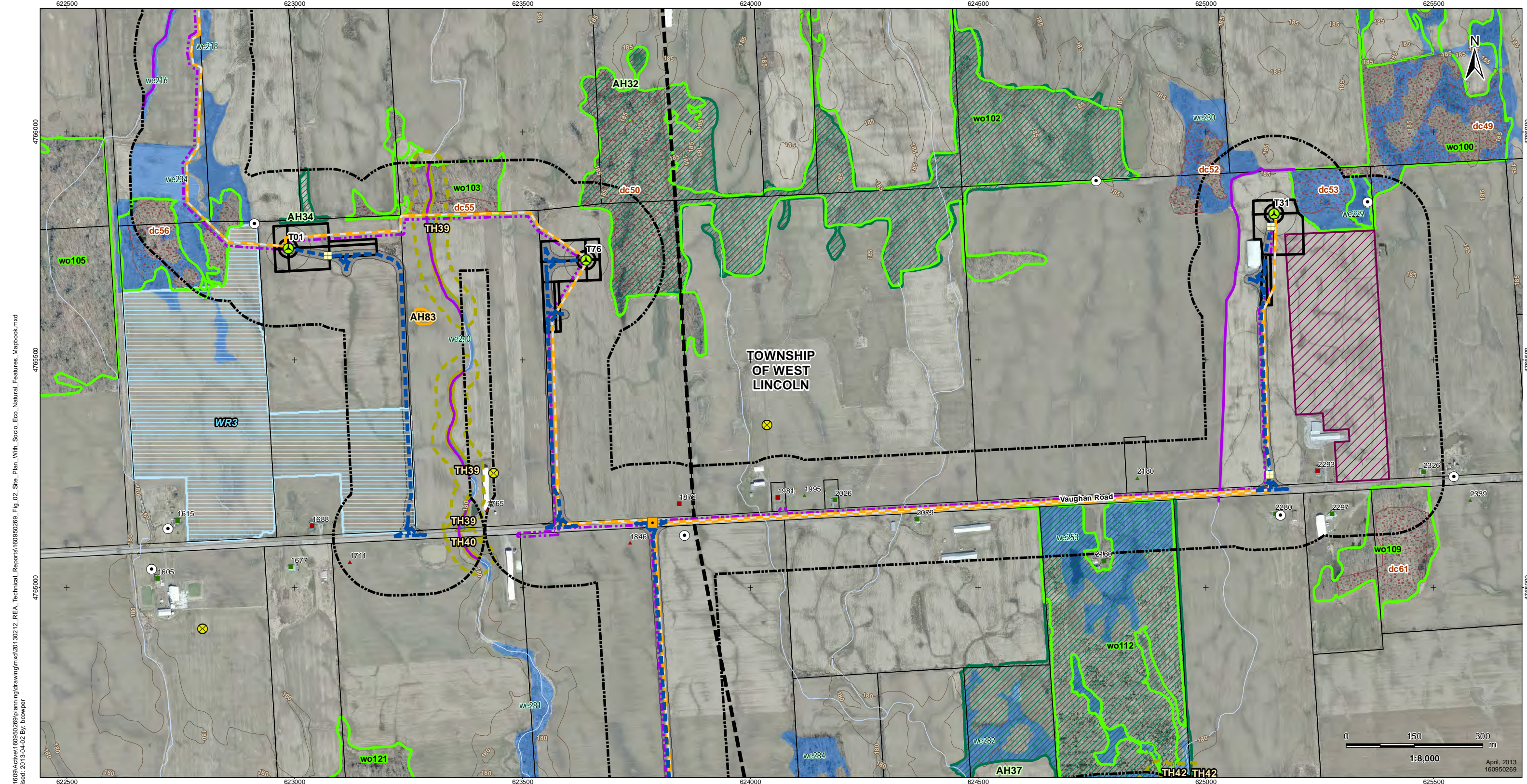


Client/Project
Niagara Region Wind Corporation

Figure No.
2.27

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

- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
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- Potential Construction Laydown Area
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- 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)

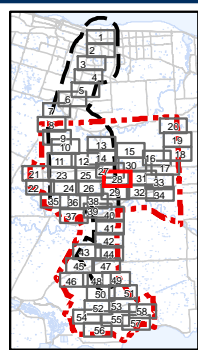
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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

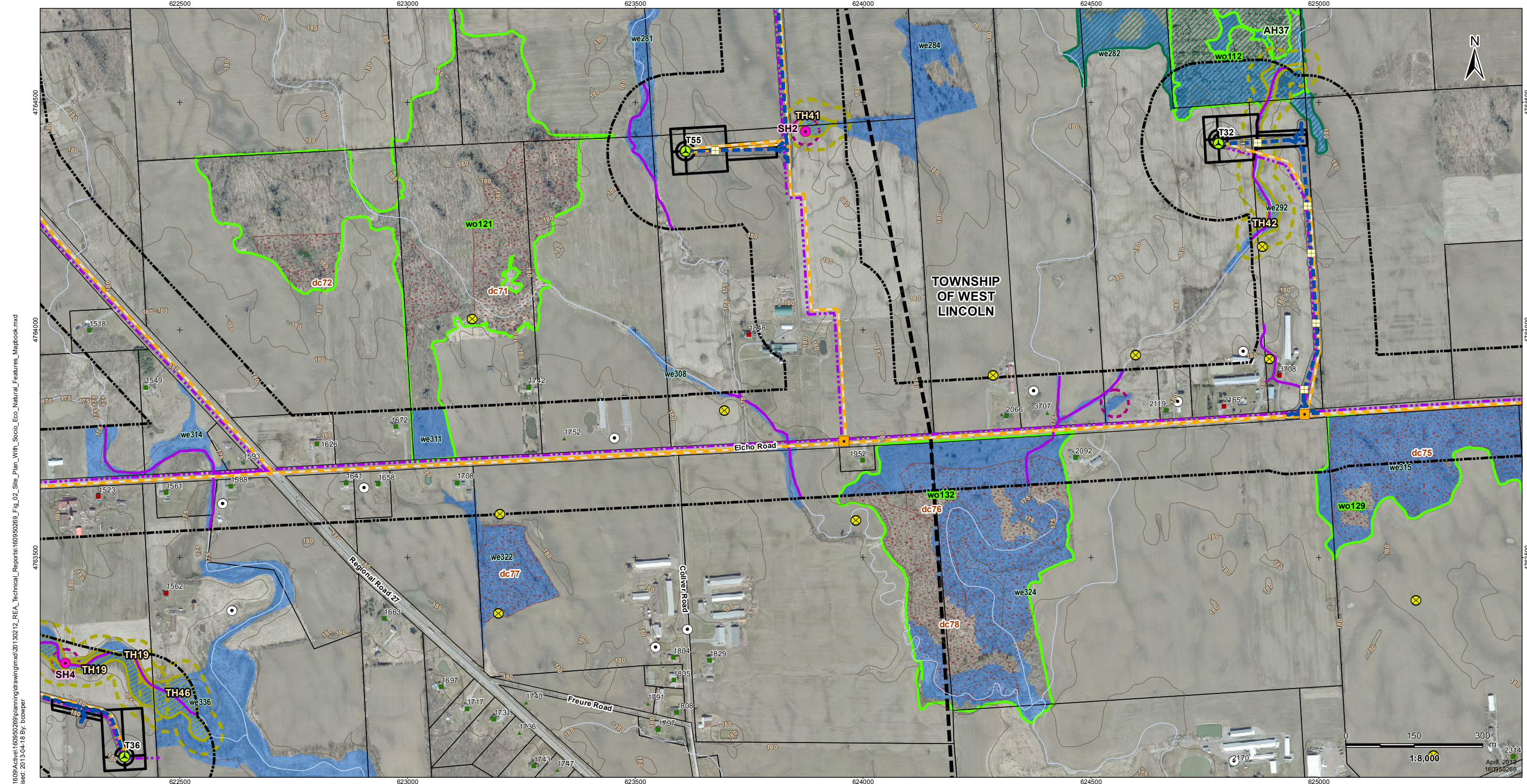


Client/Project
Niagara Region Wind Corporation

Figure No.
2.28

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

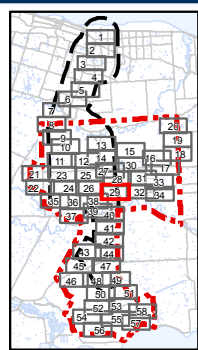


Legend

- | | | | | |
|---|---|---|---|---|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 (mAMSLS) 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Occupied Vacant Participating Noise Receptors ⁵ Occupied Vacant |
|---|---|---|---|---|

Notes

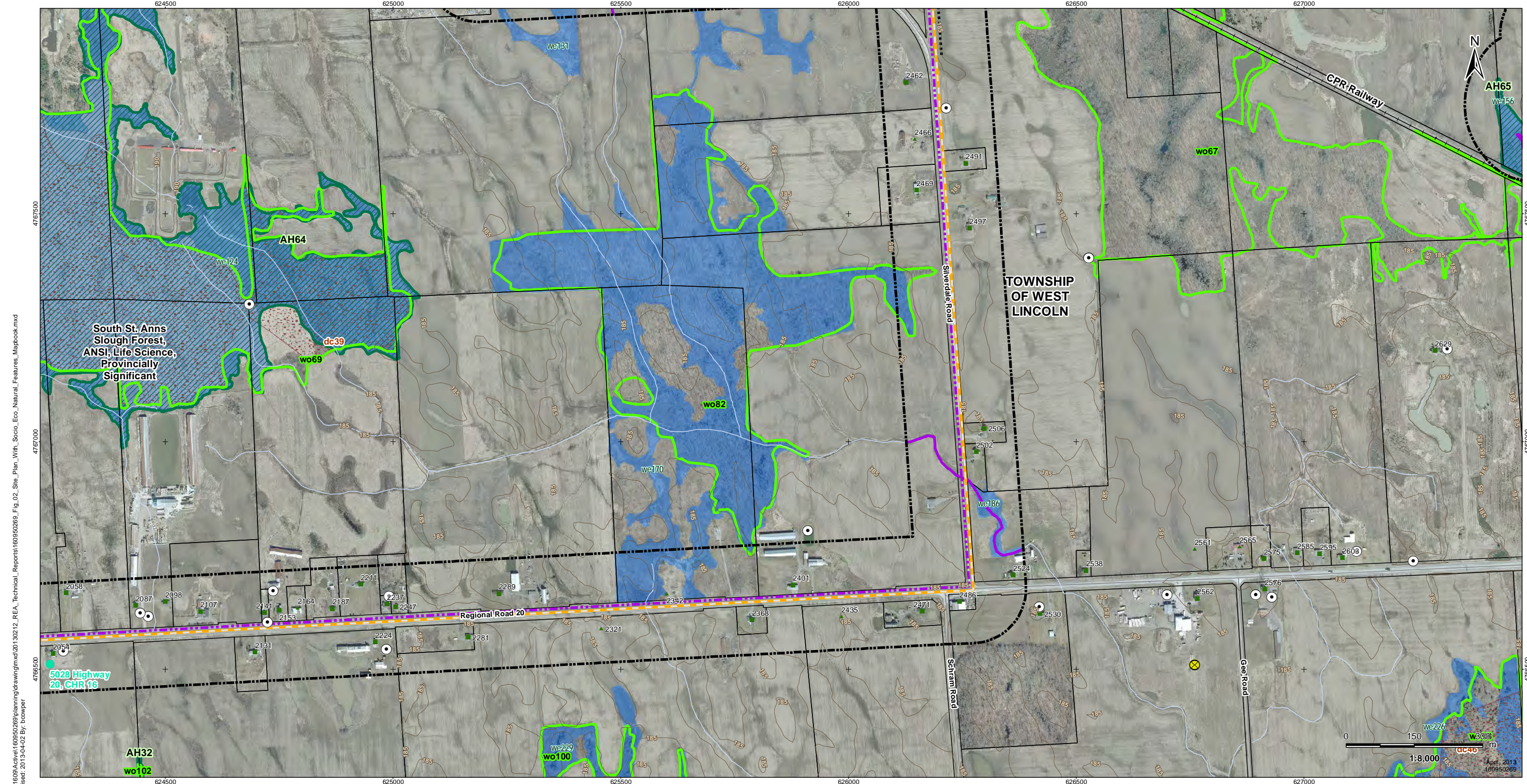
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 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.
2.29

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)

- 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)

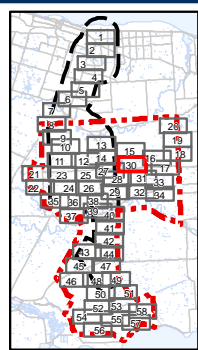
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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

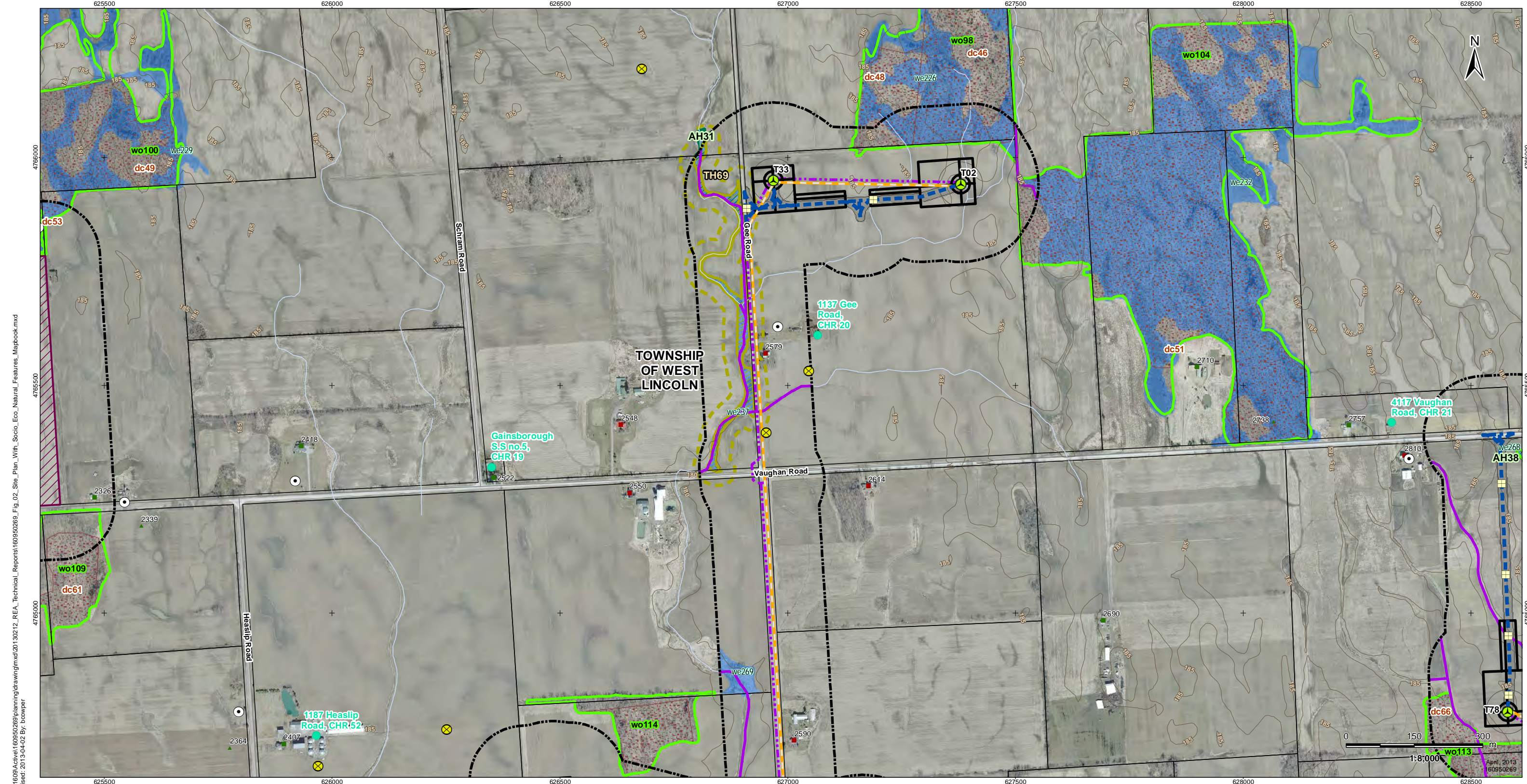
1. Coordinate System: NAD 1983 UTM Zone 17N).
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3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
5. MOE Water well locations are approximate and have been positioned 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.
2.30

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

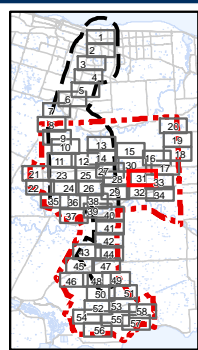


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors ⁵ Occupied Vacant Participating Noise Receptors ⁵ Occupied Vacant |
|---|--|--|--|---|--|

Notes

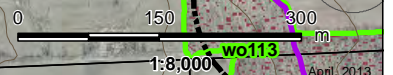
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library,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

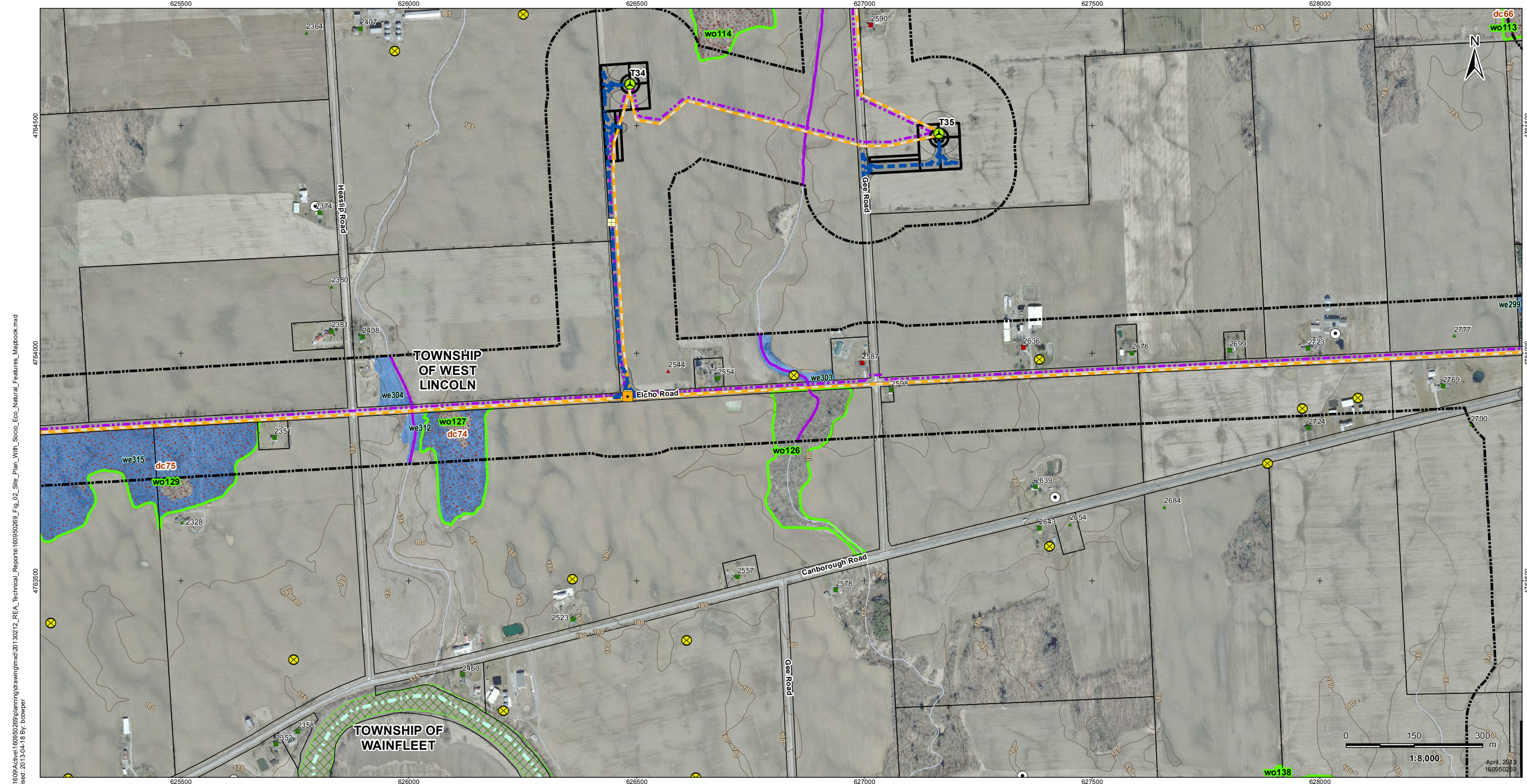


Client/Project
Niagara Region Wind Corporation

Figure No.
2.31

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

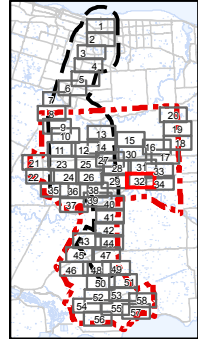


Legend

- | | | | | |
|---|---|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 (mAMSLS) 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Significant Natural Features Woodland Communities Wetland Communities ANSI, Earth Science, Provincially Significant (MNR) ANSI, Life Science, Provincially Significant (MNR) Protected_Property_point Protected Property Cultural Heritage Resource Landfill - Active (MOE) Landfill - Closed (MOE) Petroleum Well (OGSR) 4 Water Well (MOE) 5 | <ul style="list-style-type: none"> 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.

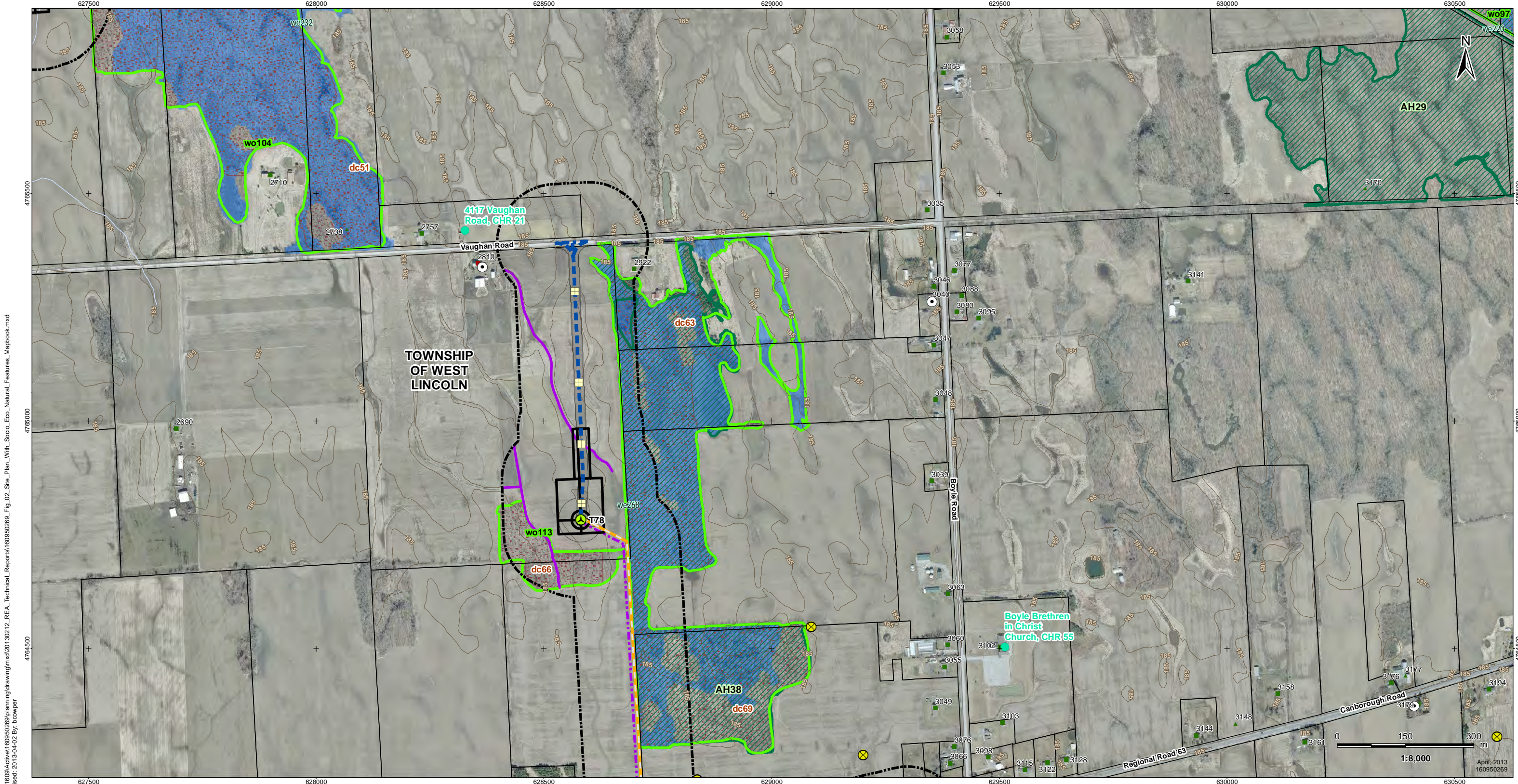


Client/Project
Niagara Region Wind Corporation

Figure No.
2.32

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

April, 2013
160950269



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 Revised: 2013-04-02 By: bcowper



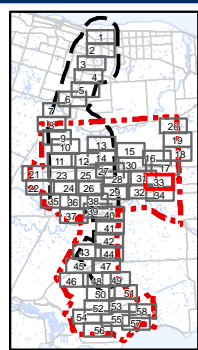
Legend

- 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 (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.

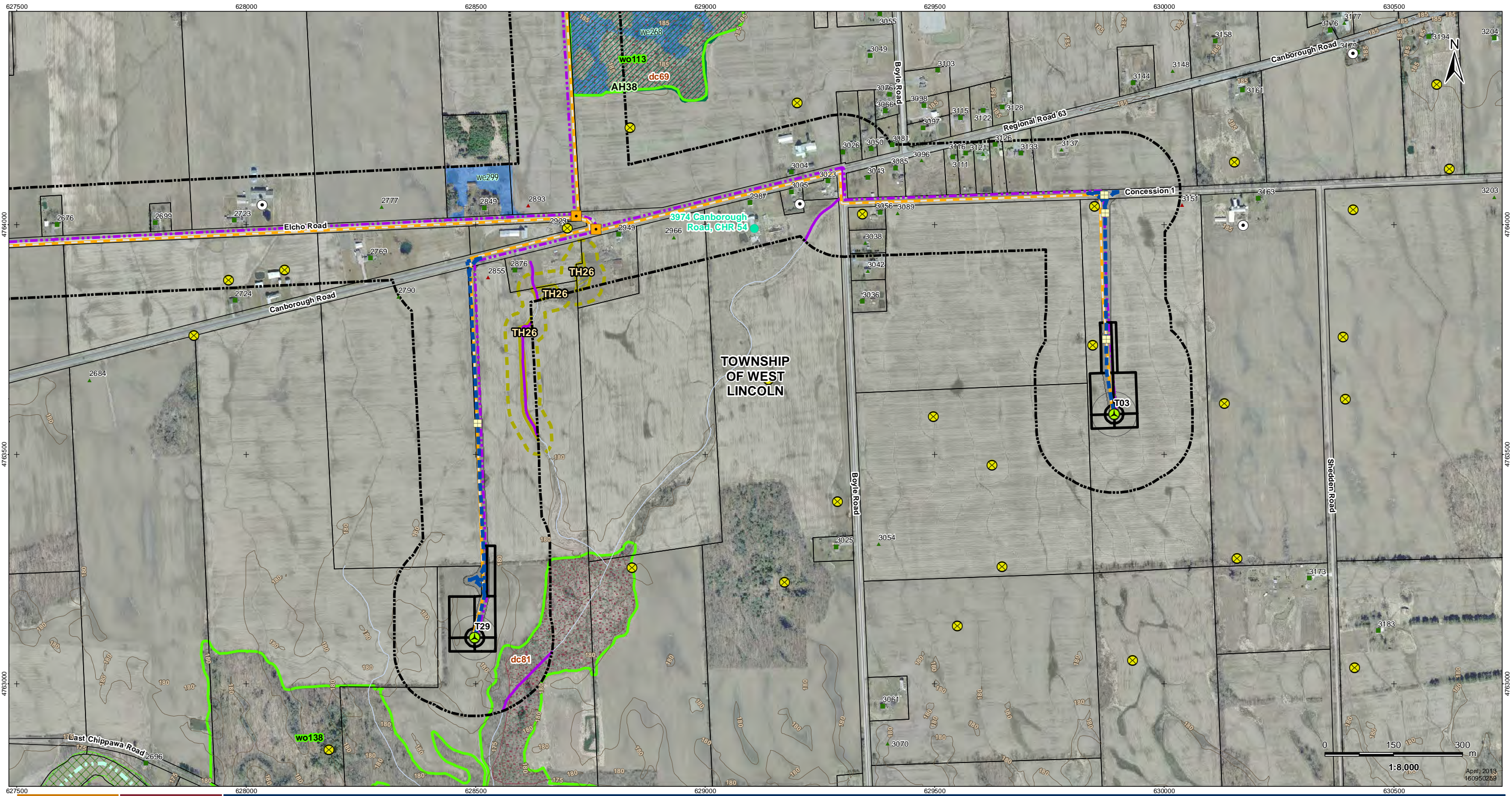


Client/Project
Niagara Region Wind Corporation

Figure No.
2.33

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

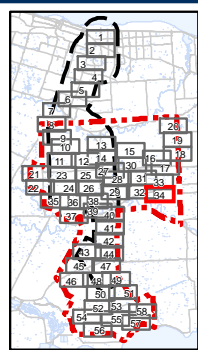


Legend

- | | | | | | |
|---|--|--|--|--|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors ⁵ Occupied Vacant Participating Noise Receptors ⁵ Occupied Vacant |
|---|--|--|--|--|--|

Notes

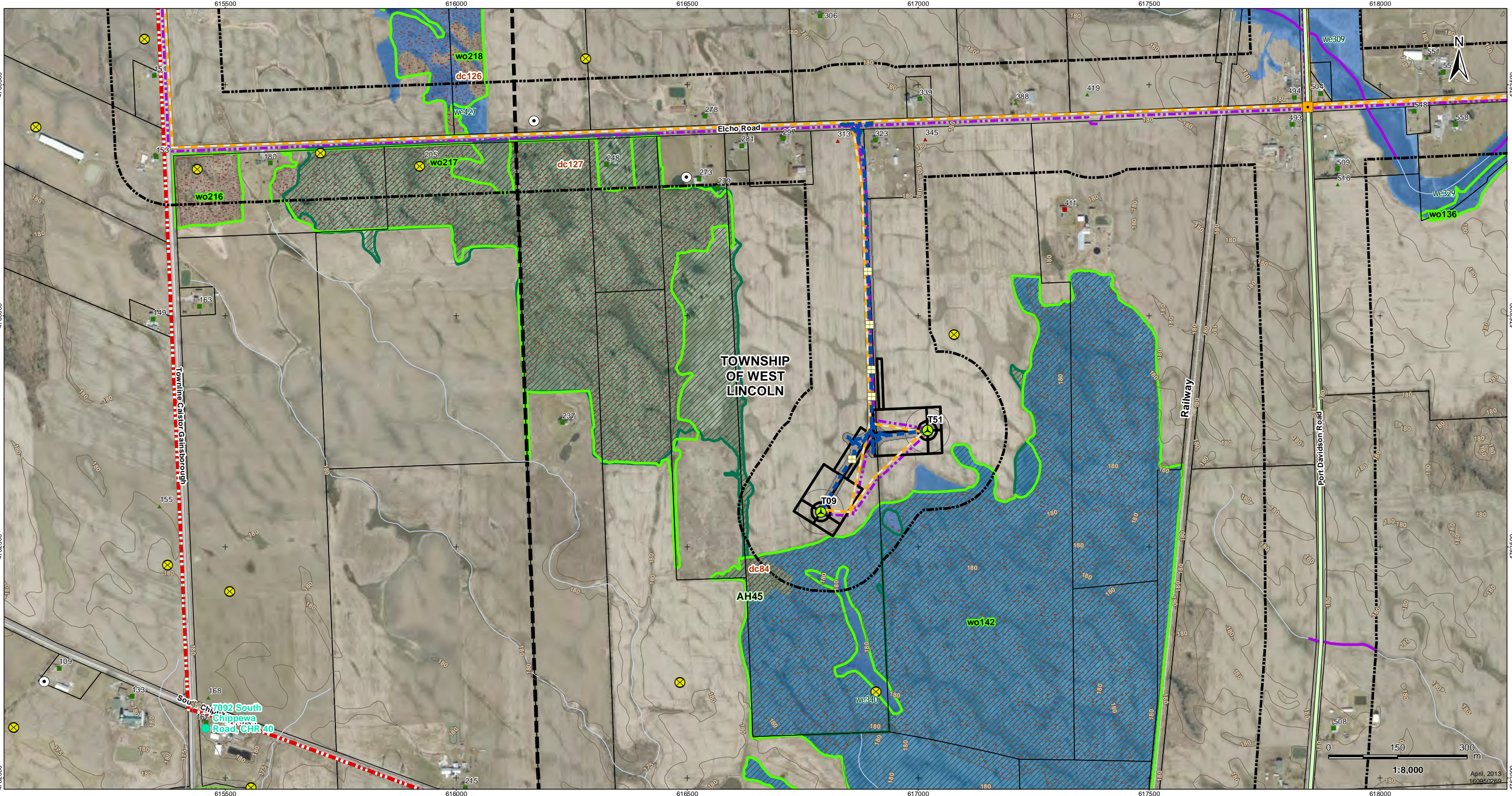
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 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.
2.34

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



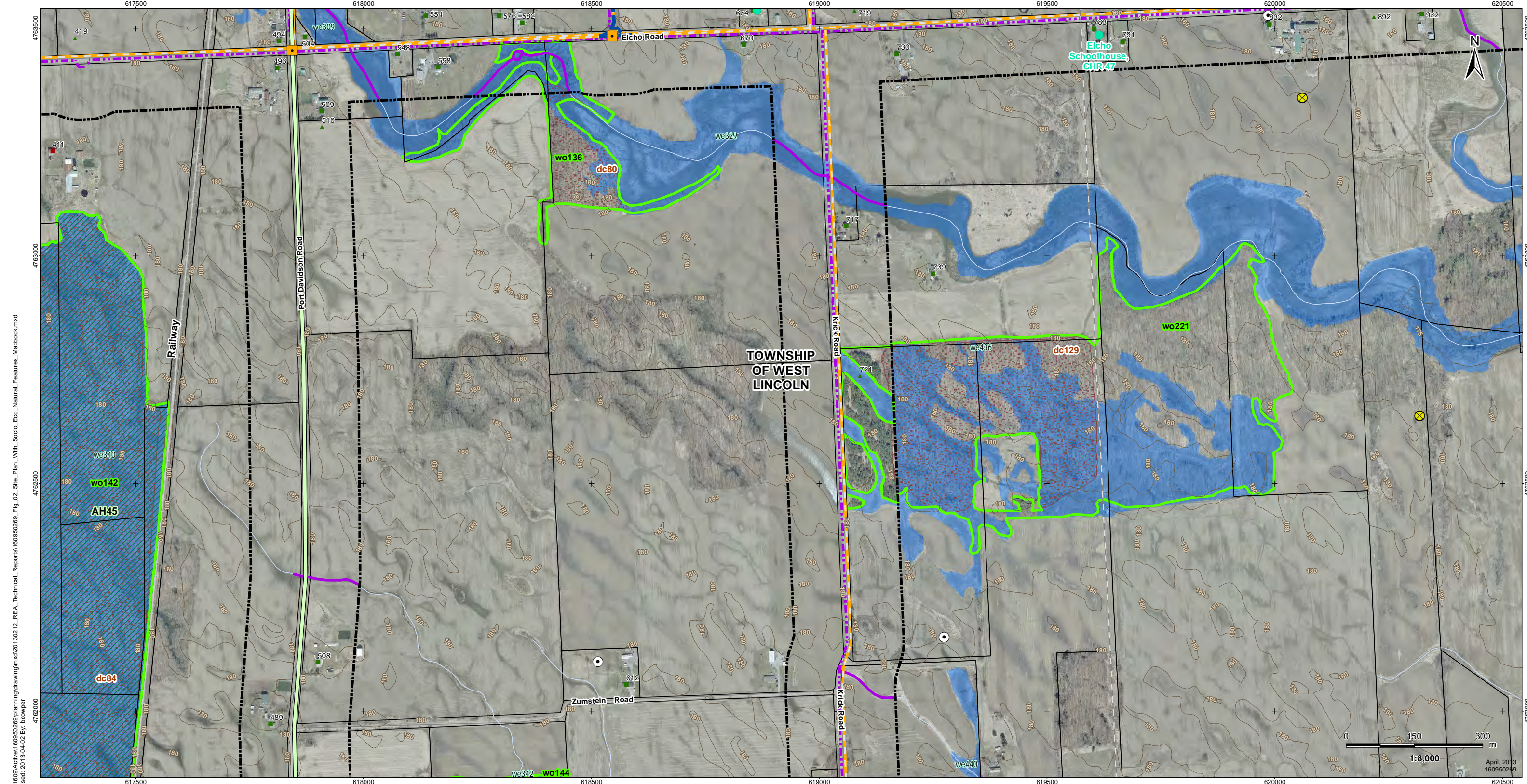
Legend

Project Study Area	Interconnector Study Area	120m Zone of Investigation	Proposed 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			
Existing Transmission Line	Pipeline	Topographic Contour (mAMSLS)	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 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				
<ol style="list-style-type: none"> 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. Orthomage 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.
2.35

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



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 Revised: 2013-04-02 By: bcowper



Legend

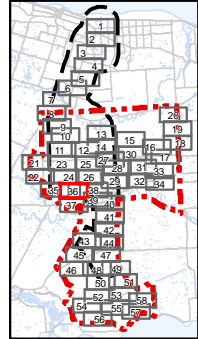
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission 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
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- Watercourse (MNR)
- Waterbody (Stantec)
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- 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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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.

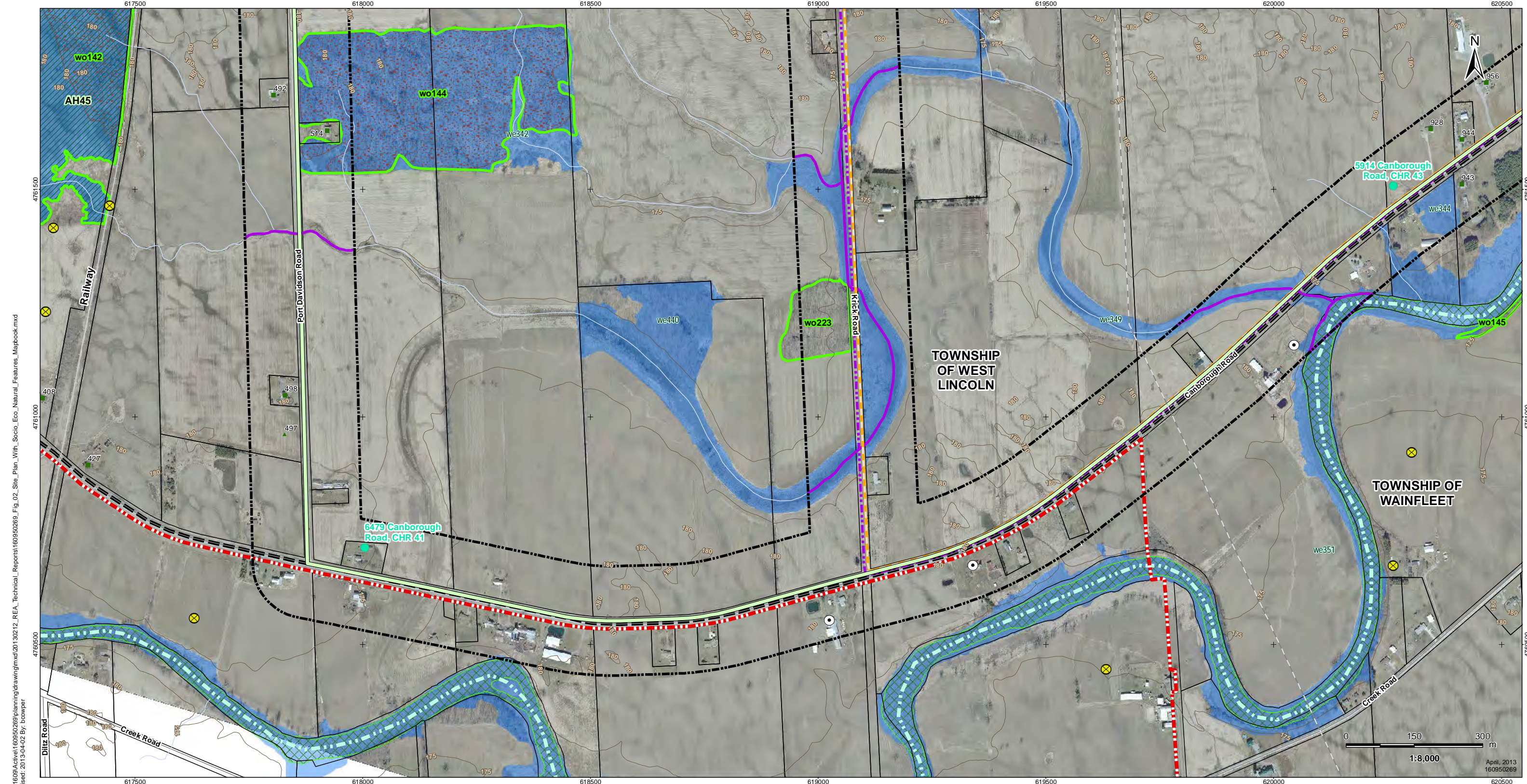


Client/Project
Niagara Region Wind Corporation

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

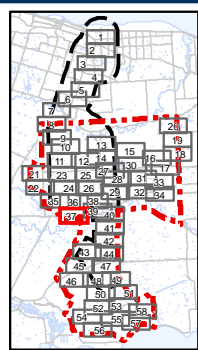


Legend

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|---|---|--|---|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Existing Transmission Line Pipeline Topographic Contour (mAMSL) Watercourse (MNR) Waterbody (Stantec) Property Boundary Niagara Escarpment Plan Area (NEC) Greenbelt Natural Heritage System Conservation Areas (NPCA) Greenbelt Plan Area (MMAH) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Occupied Vacant Occupied Vacant |
|---|---|--|---|---|--|

Notes

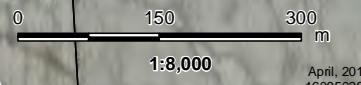
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library,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

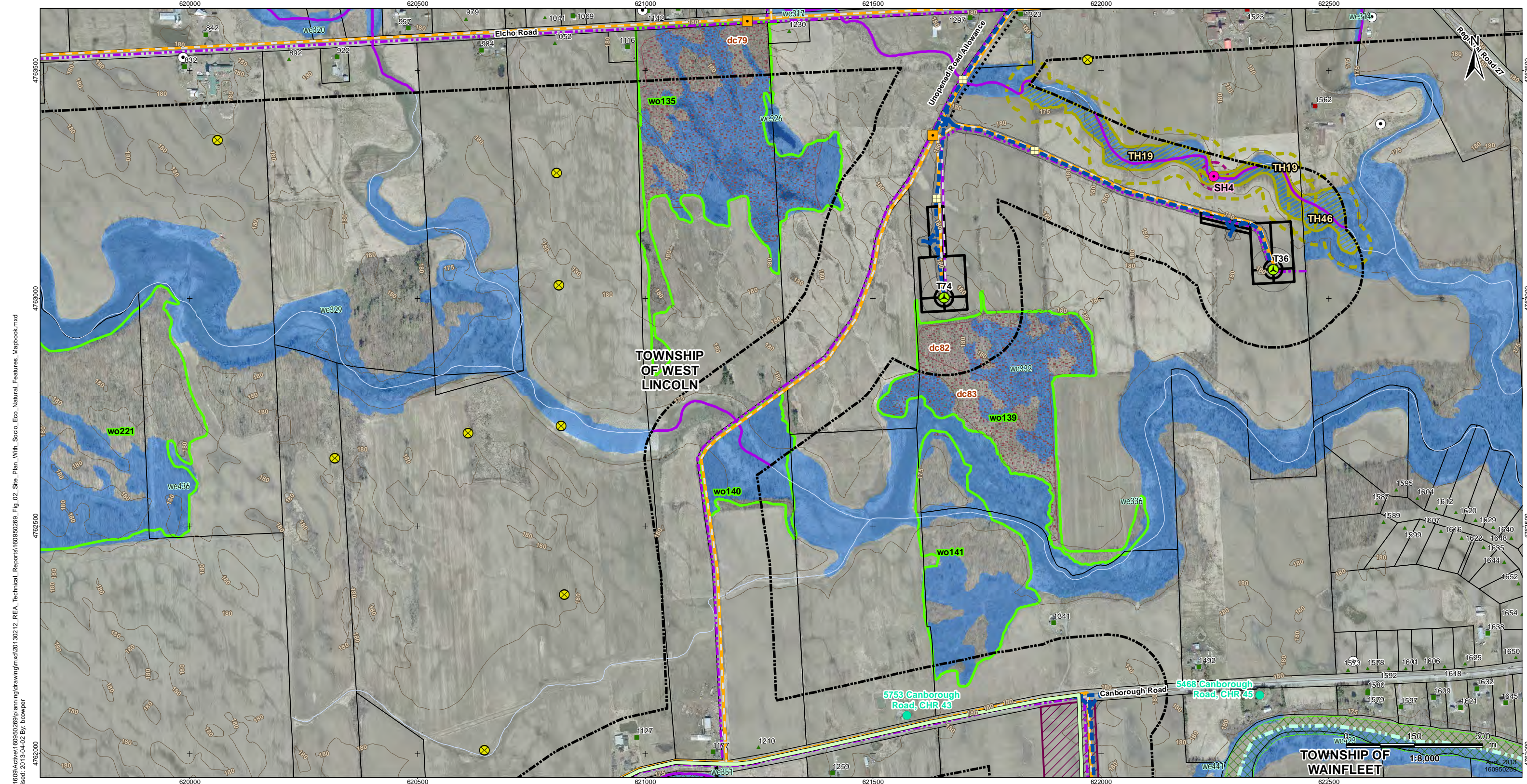


Client/Project
Niagara Region Wind Corporation

Figure No.
2.37

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





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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)

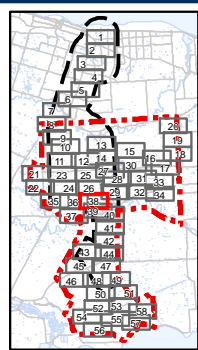
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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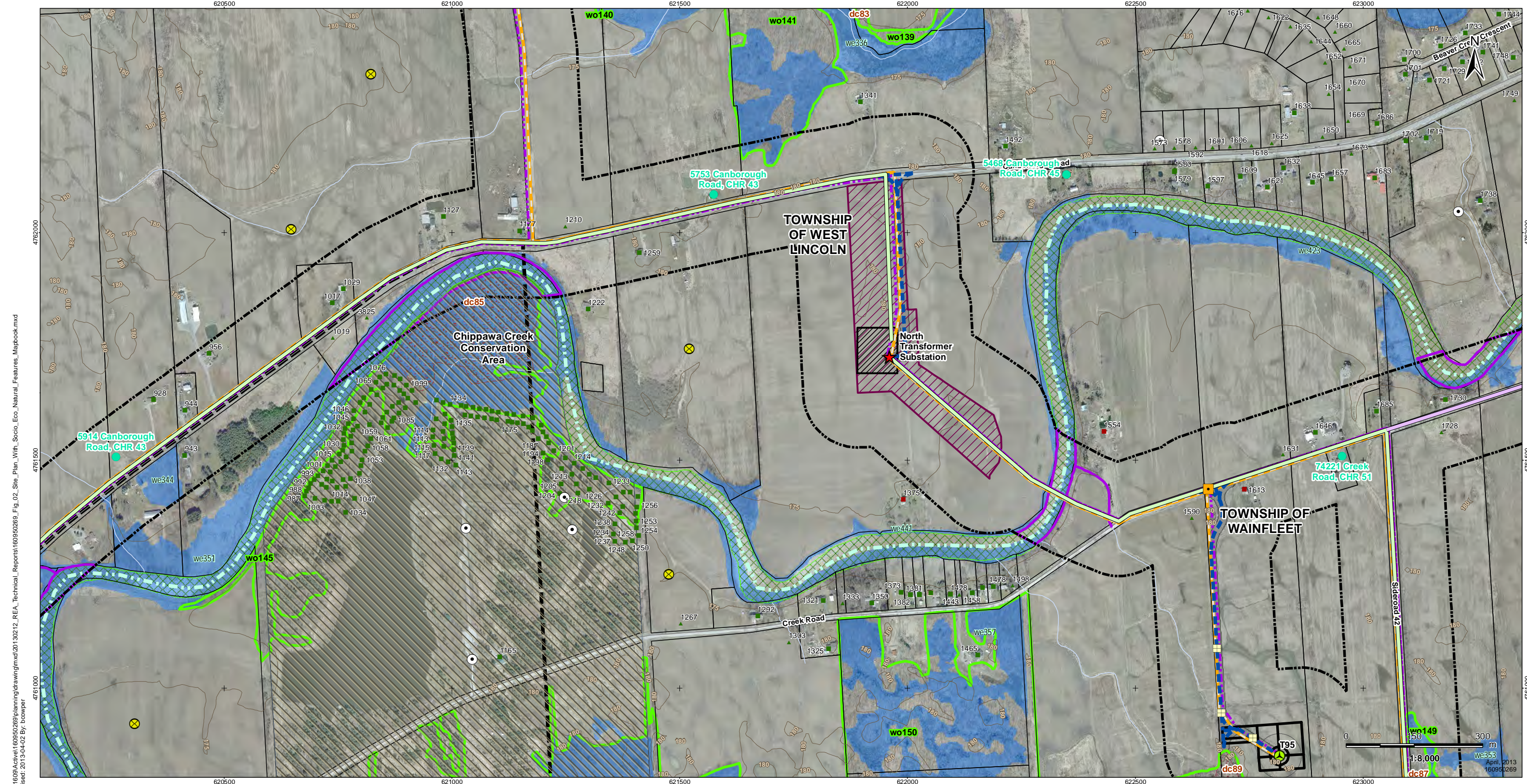


Client/Project
Niagara Region Wind Corporation

Figure No.
2.38

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

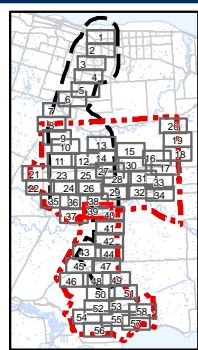


Legend

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|---|---|--|---|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Occupied Vacant Occupied Vacant |
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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.

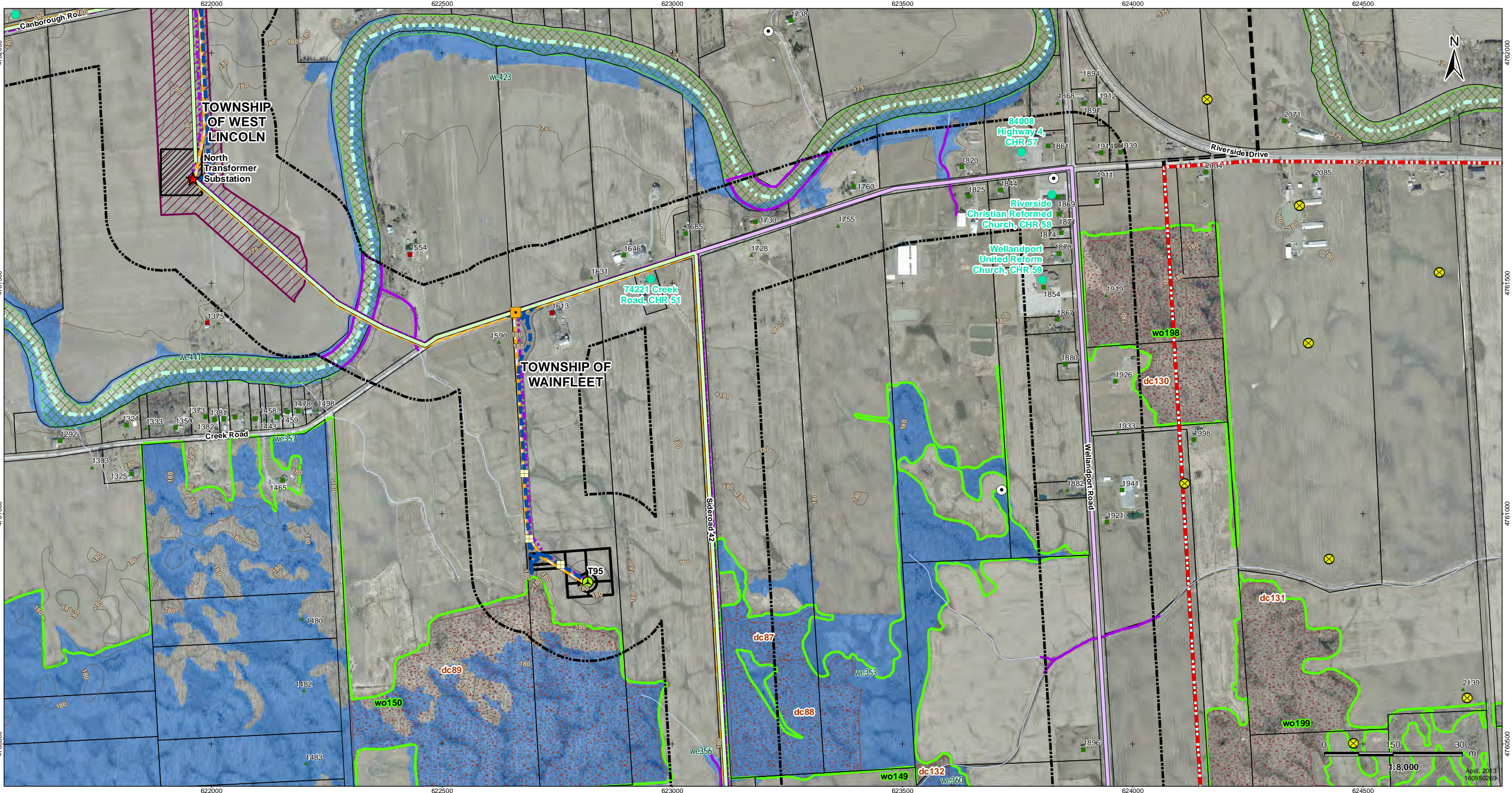


Client/Project
Niagara Region Wind Corporation

Figure No.
2.39

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"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Project Components Turbine Blade Length Turbine Location Tap-in Location Transformer Substation Location Junction Box Proposed Culvert Preferred Transmission Line Route Alternate Transmission Line Route 	<ul style="list-style-type: none"> 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 <p>Existing Features</p> <ul style="list-style-type: none"> Road Expressway / Highway Unopened Road Allowance Active Railway Abandoned Railway 	<ul style="list-style-type: none"> 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) 	<p>Significant Wildlife Habitat</p> <ul style="list-style-type: none"> 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 	<p>Significant Natural Features</p> <ul style="list-style-type: none"> Woodland Communities Wetland Communities ANSI, Earth Science, Provincially Significant (MNR) ANSI, Life Science, Provincially Significant (MNR) <p>Cultural Heritage Features</p> <ul style="list-style-type: none"> Protected Property Cultural Heritage Resource 	<p>Non-participating Receptors ⁵</p> <ul style="list-style-type: none"> Occupied Vacant <p>Participating Noise Receptors ⁵</p> <ul style="list-style-type: none"> Occupied Vacant
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Client/Project
Niagara Region Wind Corporation

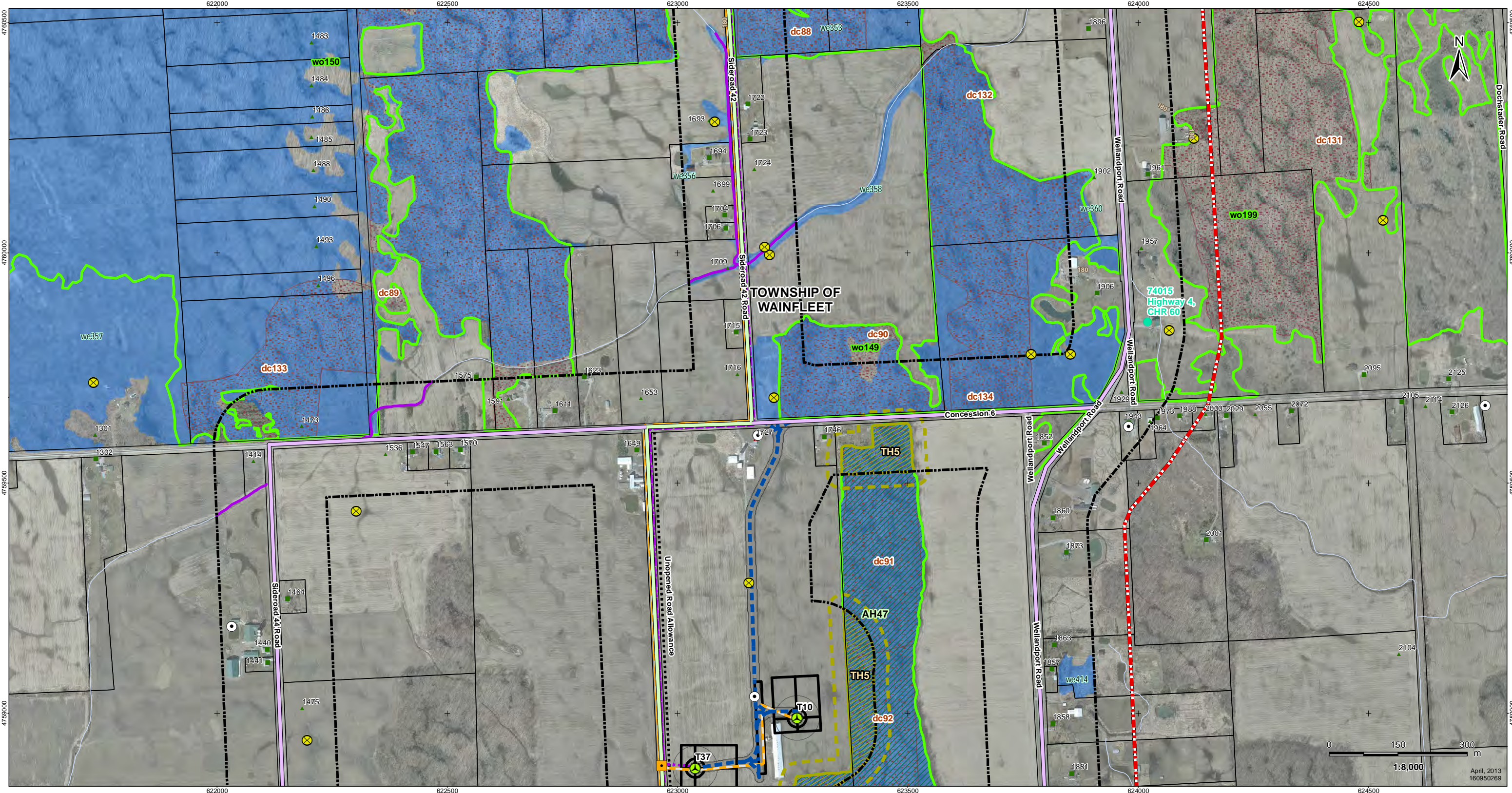
Figure No.
2.40

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

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Revised: 2013-04-02 By: bcowper



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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)

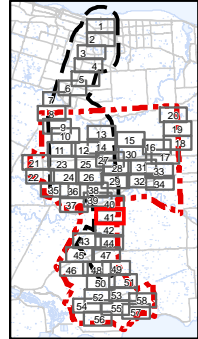
- Significant Wildlife Habitat
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle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

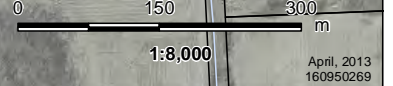
1. Coordinate System: NAD 1983 UTM Zone 17N).
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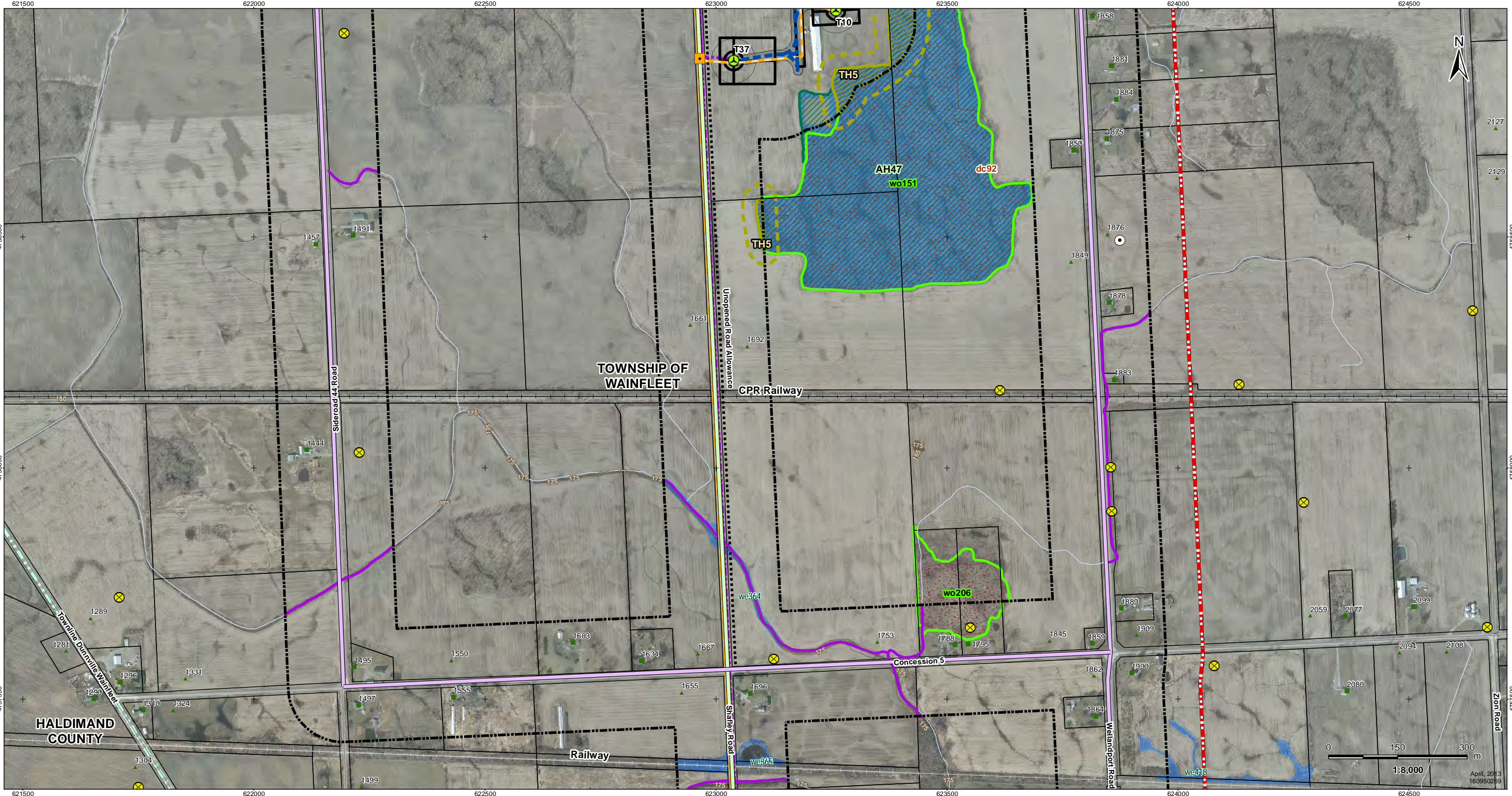
Client/Project
Niagara Region Wind Corporation

Figure No.
2.41

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



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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)

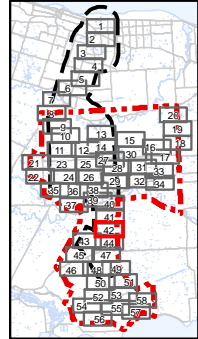
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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

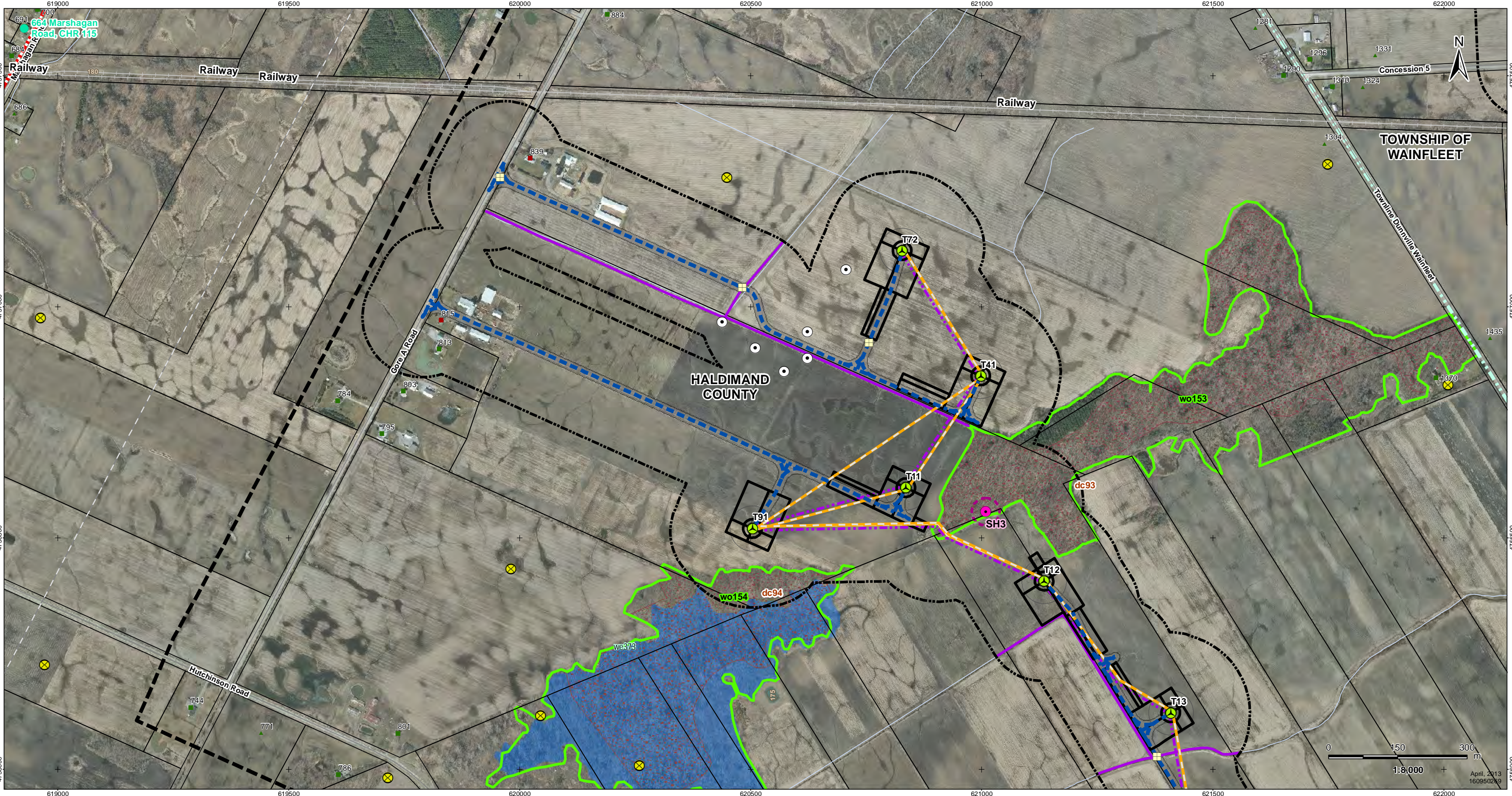


Client/Project
Niagara Region Wind Corporation

Figure No.
2.42

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

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)

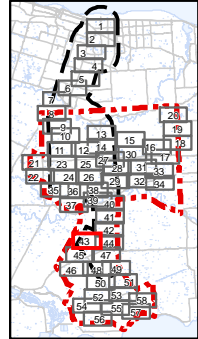
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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

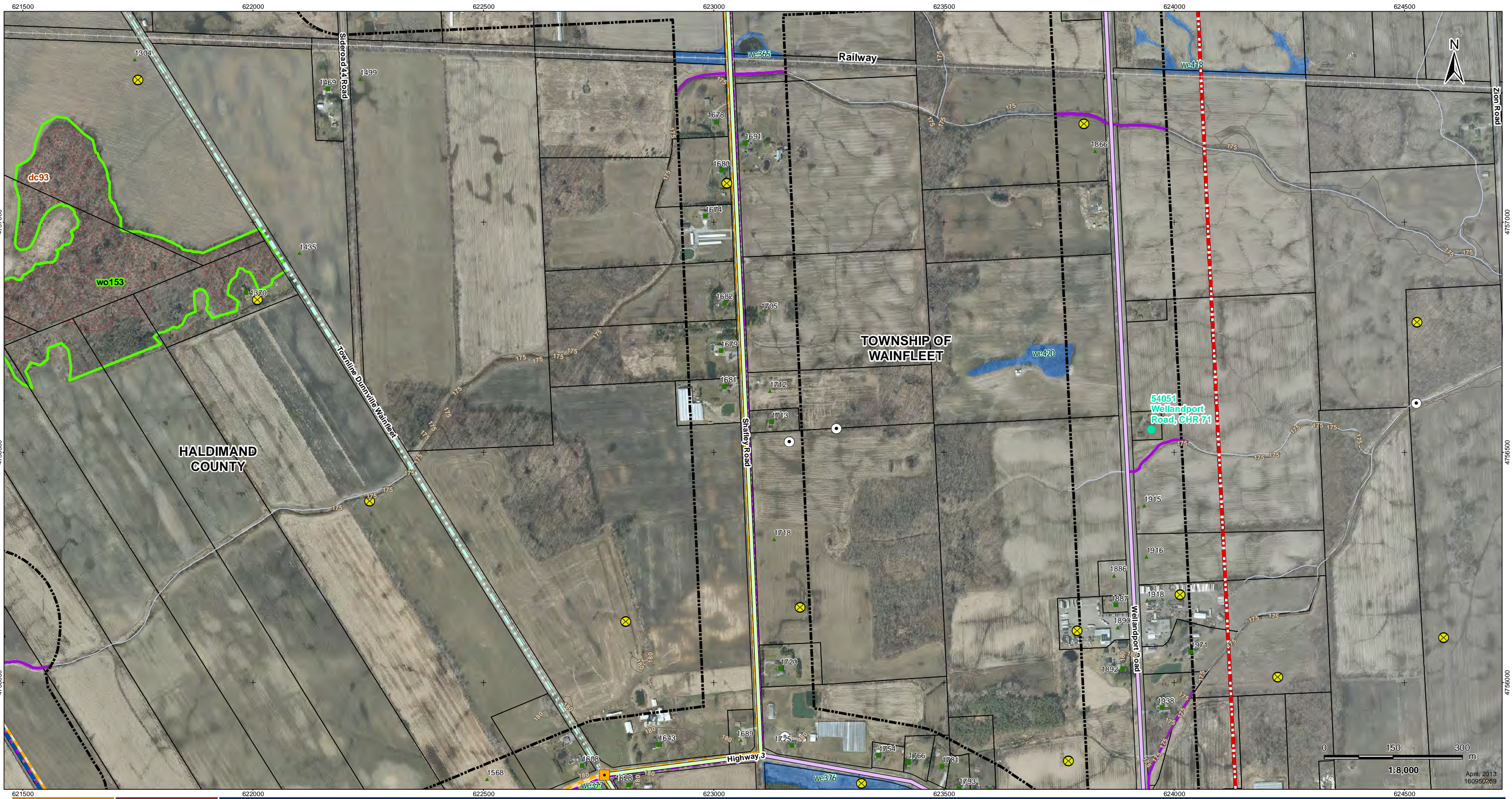


Client/Project
Niagara Region Wind Corporation

Figure No.
2.43

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

April, 2013
160950269



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 Revised: 2013-04-02 By: bcowper

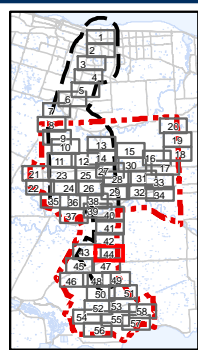


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors 5 Occupied Vacant Participating Noise Receptors 5 Occupied Vacant |
|---|--|--|--|---|--|

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.

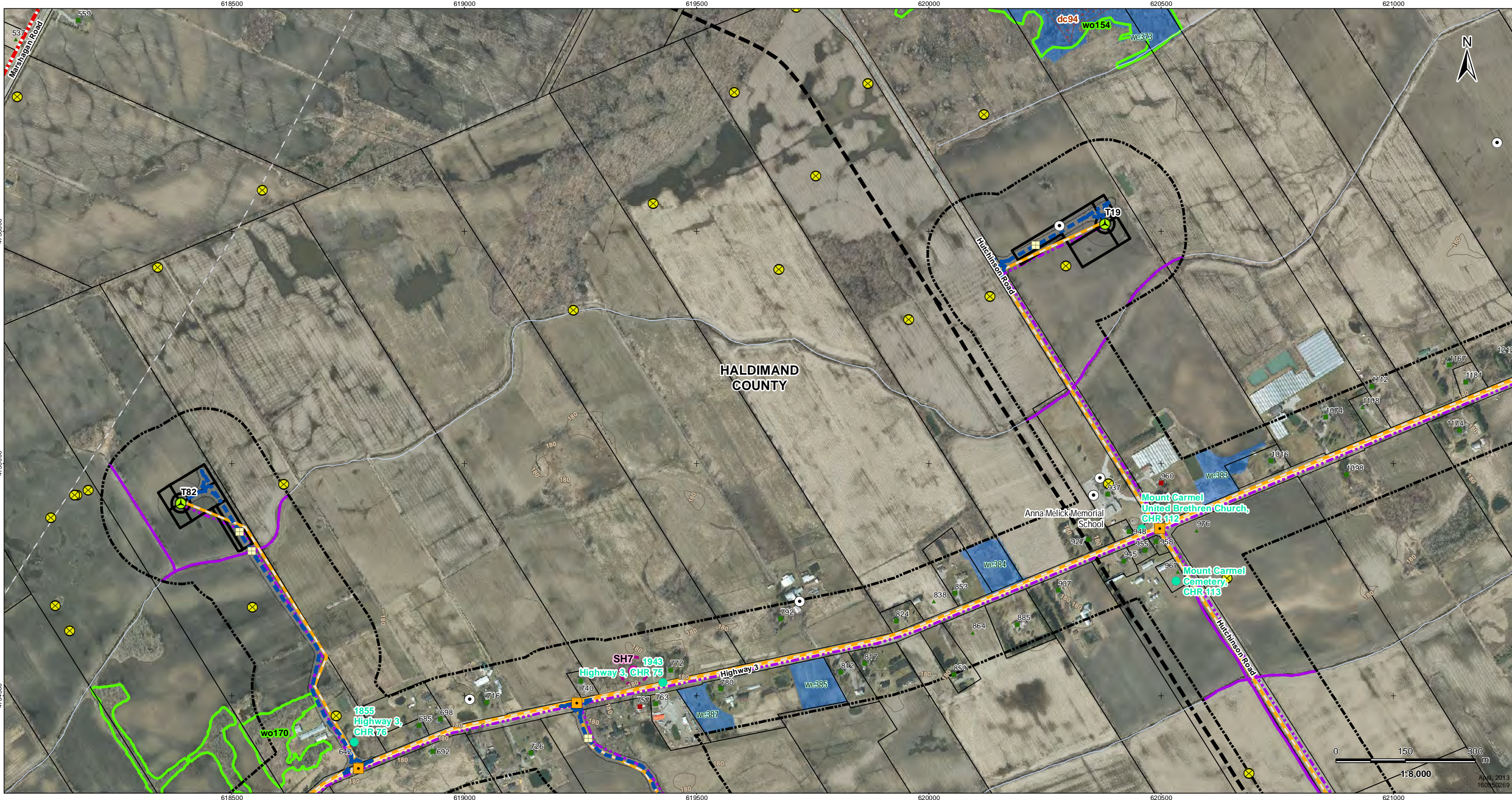


Client/Project
Niagara Region Wind Corporation

Figure No.
2.44

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

April, 2013
1609502689



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 Revised: 2013-04-02 By: bcowper



Legend

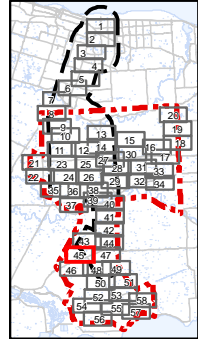
- Project Study Area
- Interconnector Study Area
- 120m Zone of Investigation
- Proposed Project Components
- Proposed Turbine Location
- Turbine Blade Length
- Tap-in Location
- Transformer Substation Location
- Junction Box
- Proposed Culvert
- Preferred Transmission Line Route
- Alternate Transmission 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

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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.
2.45

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

April, 2013
160950269



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 Revised: 2013-04-02 By: bcowper

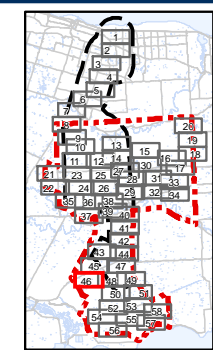


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors ⁵ Occupied Vacant Participating Noise Receptors ⁵ Occupied Vacant |
|---|--|--|--|---|--|

Notes

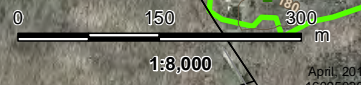
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthimagery source: First Base Solutions, Date Spring 2010.
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5. MOE Water well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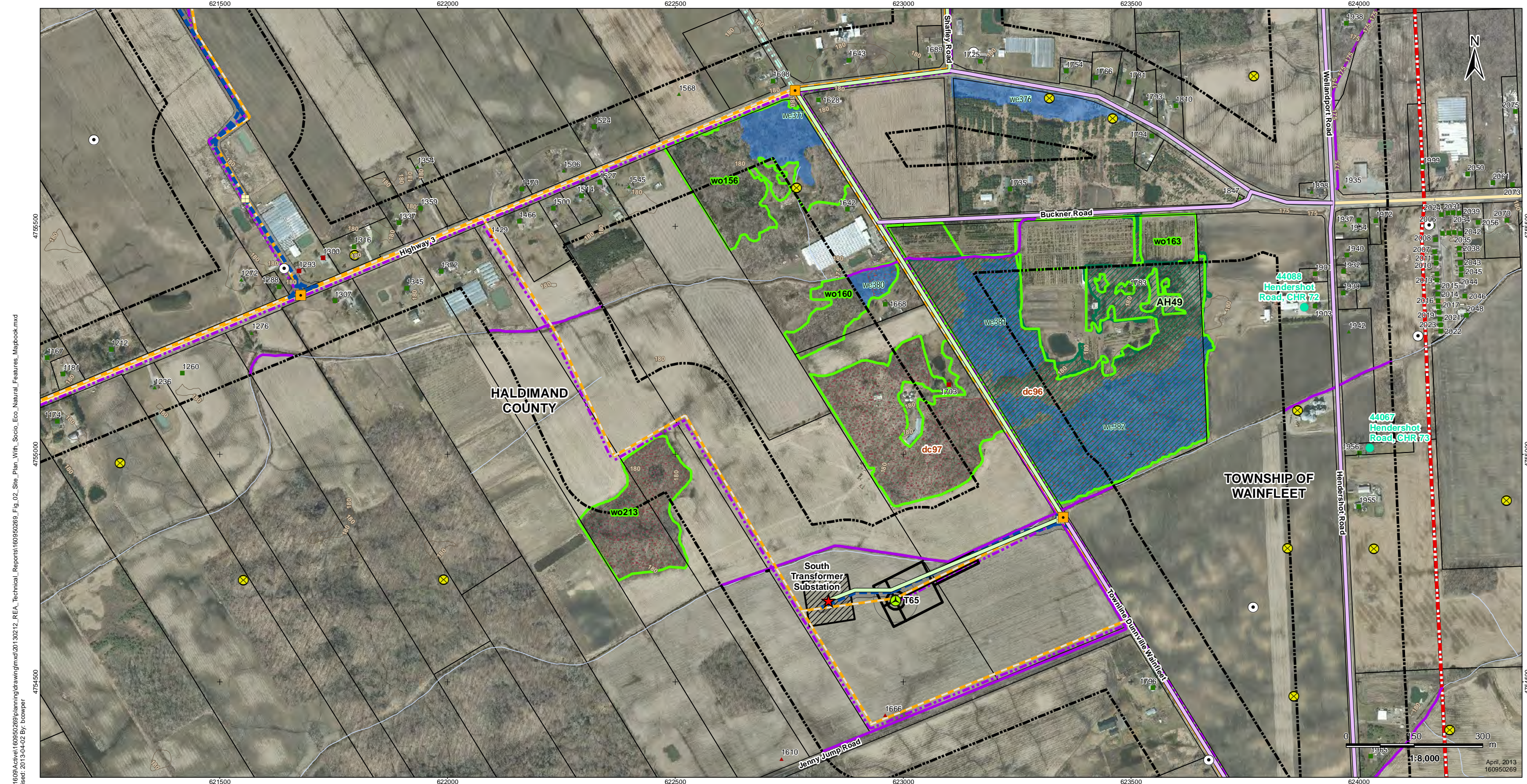


Client/Project
 Niagara Region Wind Corporation

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

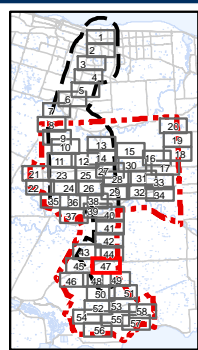


Legend

- | | | | | | |
|---|--|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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.
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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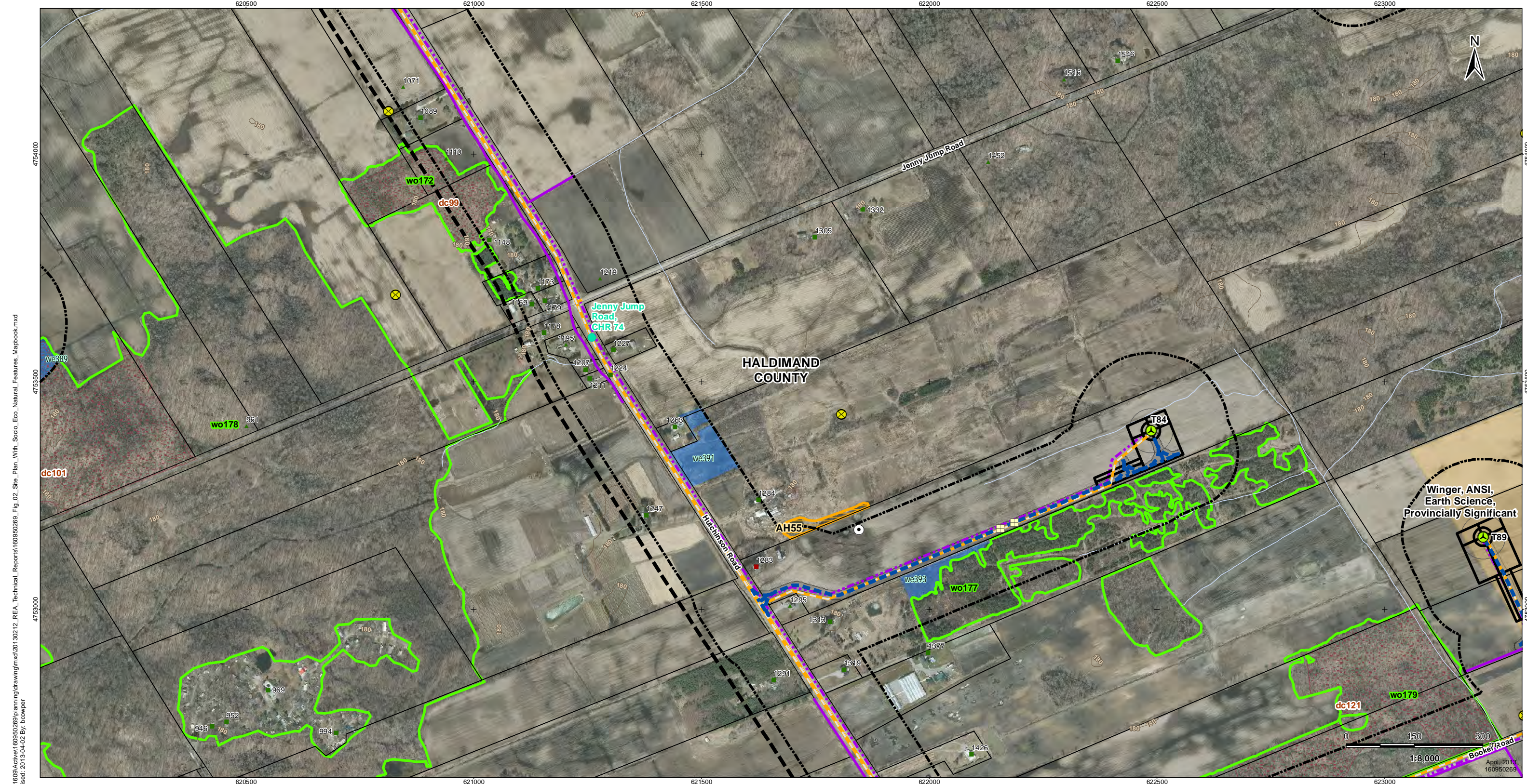


Client/Project
Niagara Region Wind Corporation

Figure No.
2.47

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 (mAMSLS)
- 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)

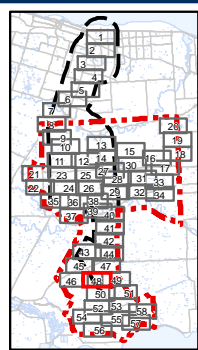
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle Nesting Habitat/ Snapping Turtle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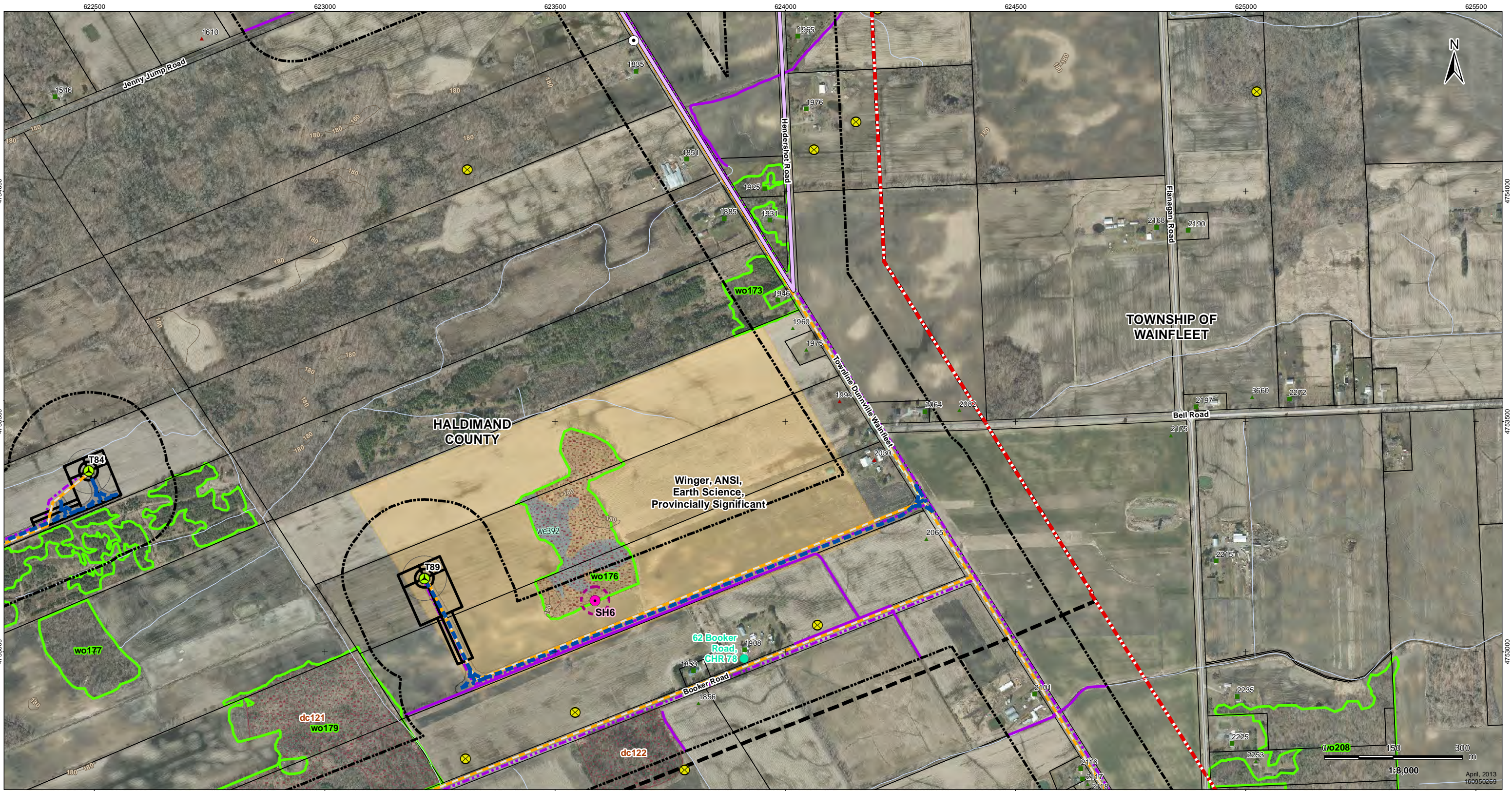


Client/Project
Niagara Region Wind Corporation

Figure No.
2.48

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

622500 623000 623500 624000 624500 625000 625500

4754000 4755000 4756000 4757000 4758000 4759000



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)

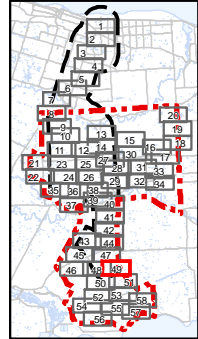
- Significant Wildlife Habitat
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle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

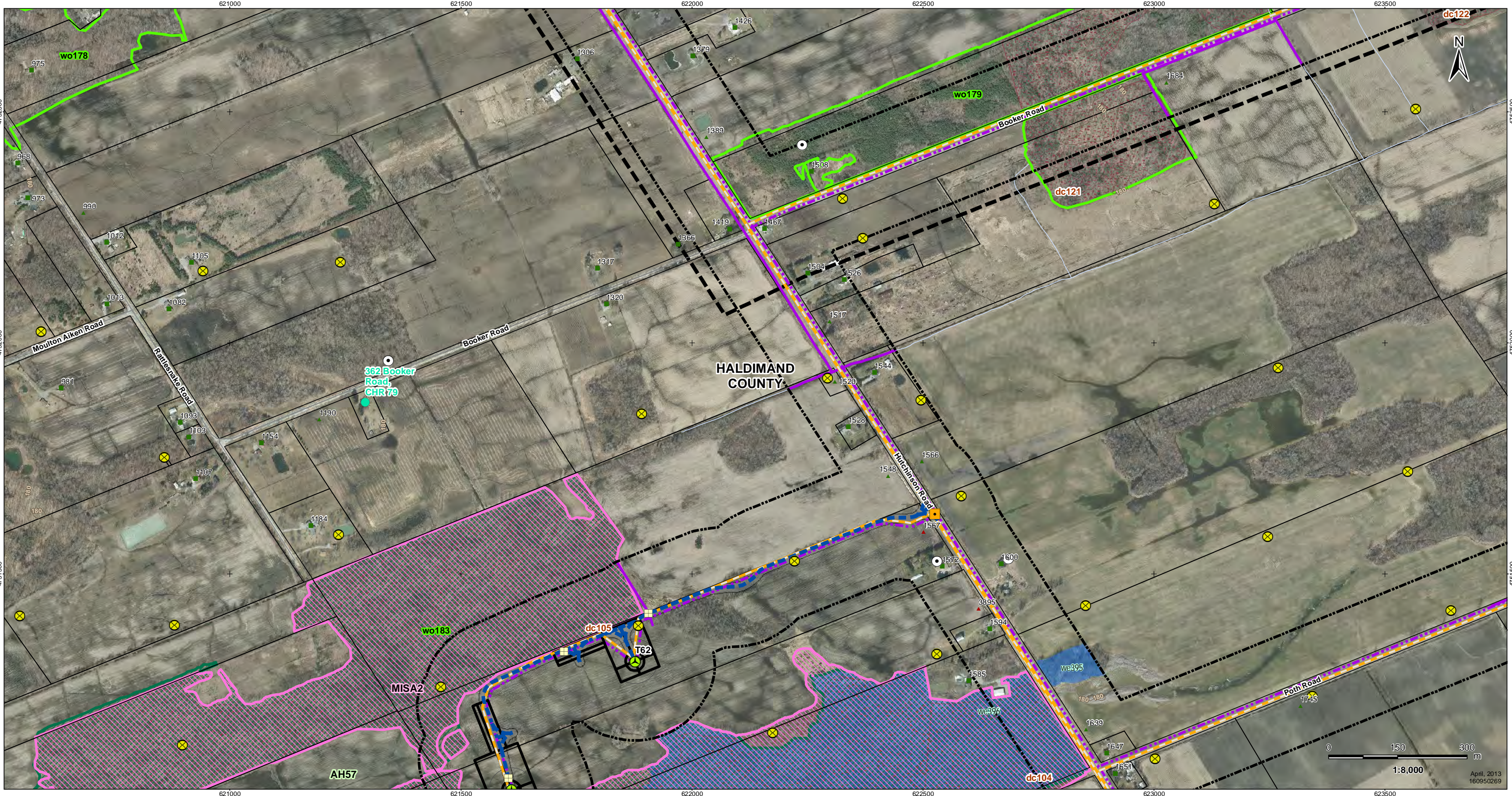


Client/Project
Niagara Region Wind Corporation

Figure No.
2.49

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

April, 2013
1609502689



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 Revised: 2013-04-02 By: bcowper

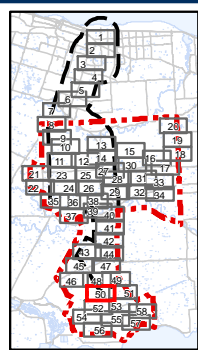


Legend

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| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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.

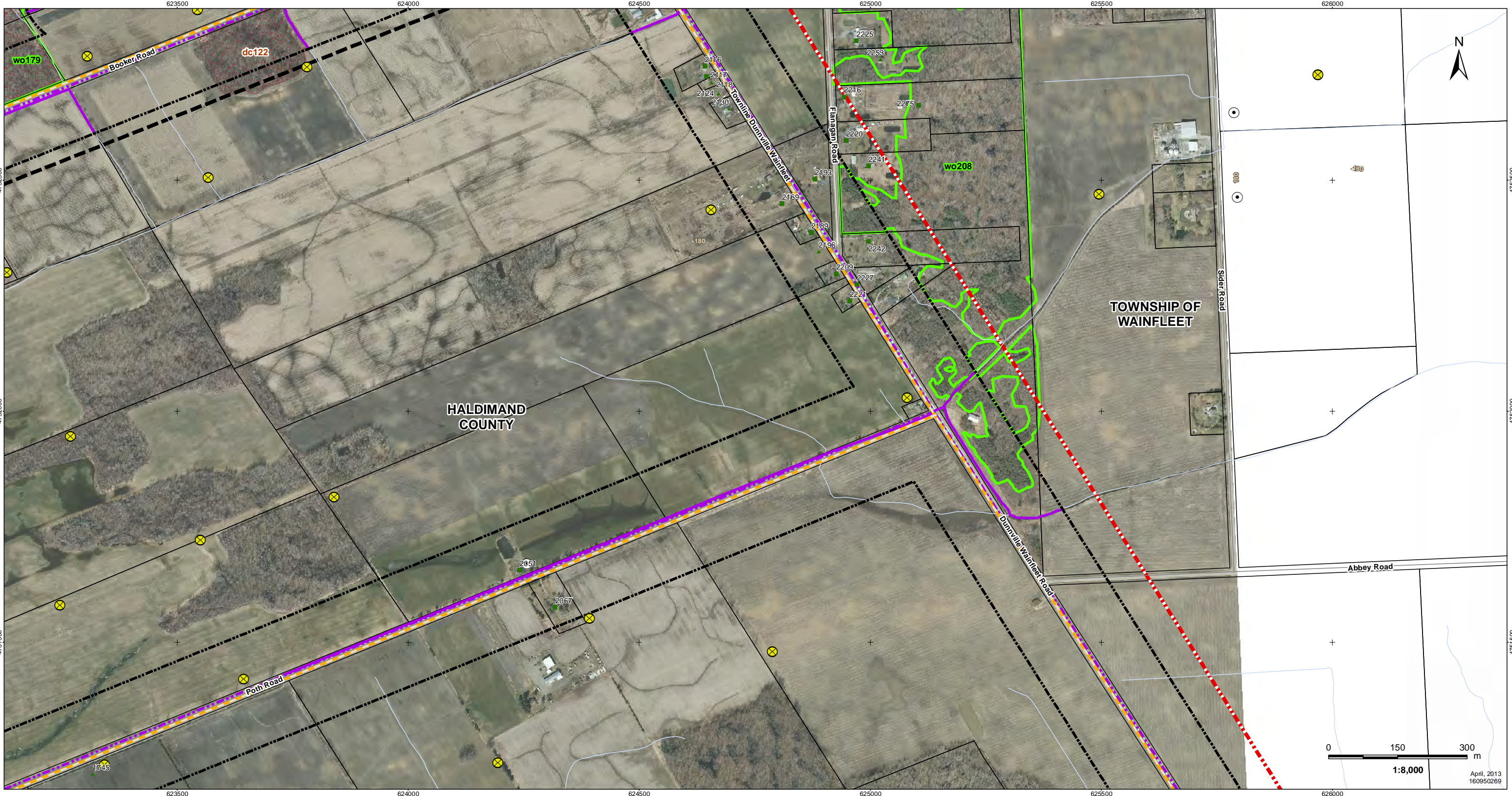


Client/Project
Niagara Region Wind Corporation

Figure No.
2.50

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"> 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 	<ul style="list-style-type: none"> 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 <p>Existing Features</p> <ul style="list-style-type: none"> Road Expressway / Highway Unopened Road Allowance Active Railway Abandoned Railway 	<ul style="list-style-type: none"> Existing Transmission Line Pipeline Topographic Contour (mAMSLS) 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) 	<p>Significant Wildlife Habitat</p> <ul style="list-style-type: none"> 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 	<p>Significant Natural Features</p> <ul style="list-style-type: none"> Woodland Communities Wetland Communities ANSI, Earth Science, Provincially Significant (MNR) ANSI, Life Science, Provincially Significant (MNR) <p>Cultural Heritage Features</p> <ul style="list-style-type: none"> Protected Property Cultural Heritage Resource <ul style="list-style-type: none"> Landfill - Active (MOE) Landfill - Closed (MOE) Petroleum Well (OGSR) ⁴ Water Well (MOE) ⁵ 	<p>Non-participating Receptors ⁵</p> <ul style="list-style-type: none"> Occupied Vacant <p>Participating Noise Receptors ⁵</p> <ul style="list-style-type: none"> Occupied Vacant
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Client/Project

Niagara Region Wind Corporation

Figure No.

2.51

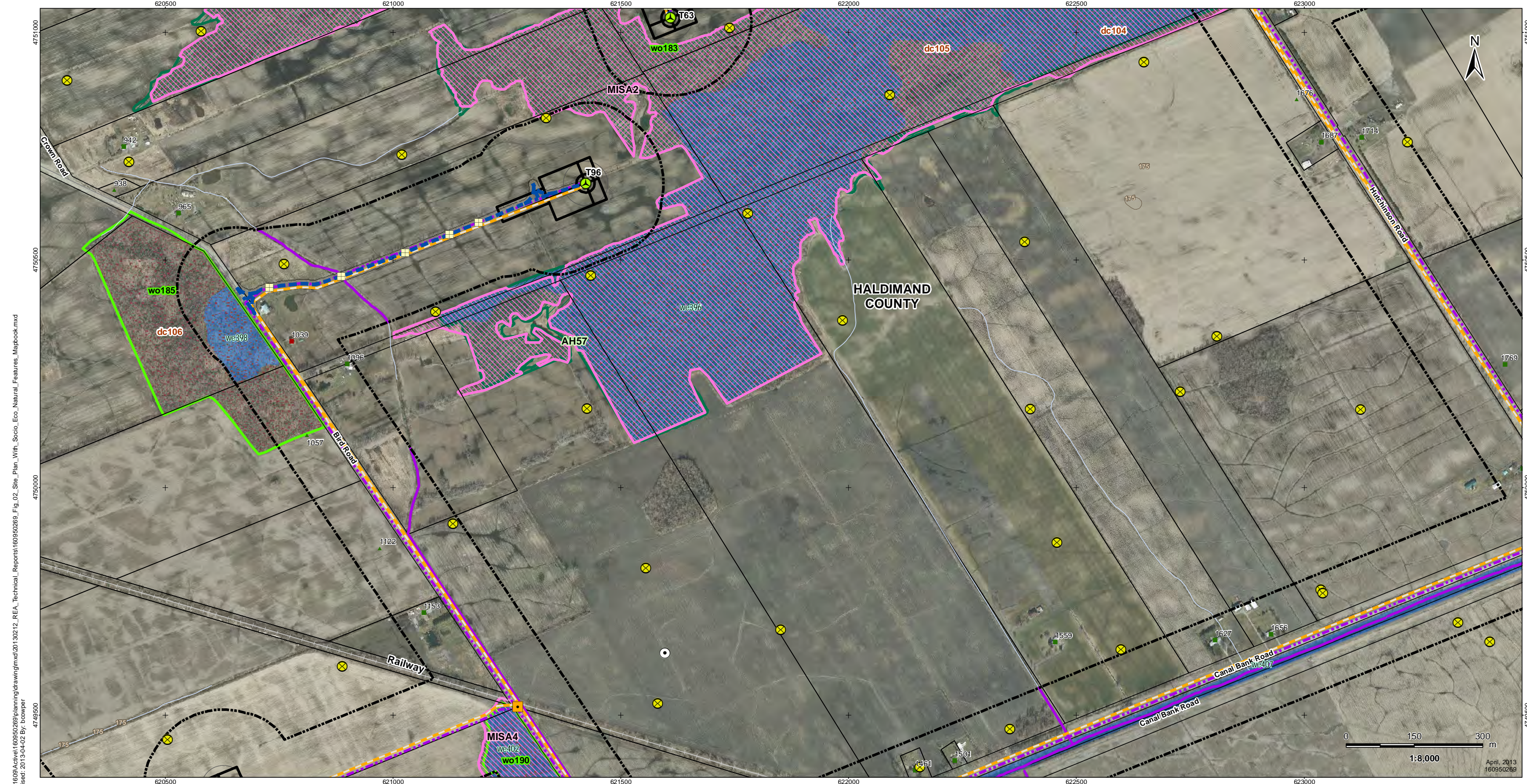
Title

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

Figure 2.51

Notes

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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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

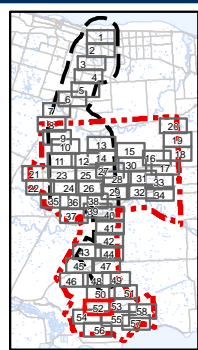


Legend

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|---|--|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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.

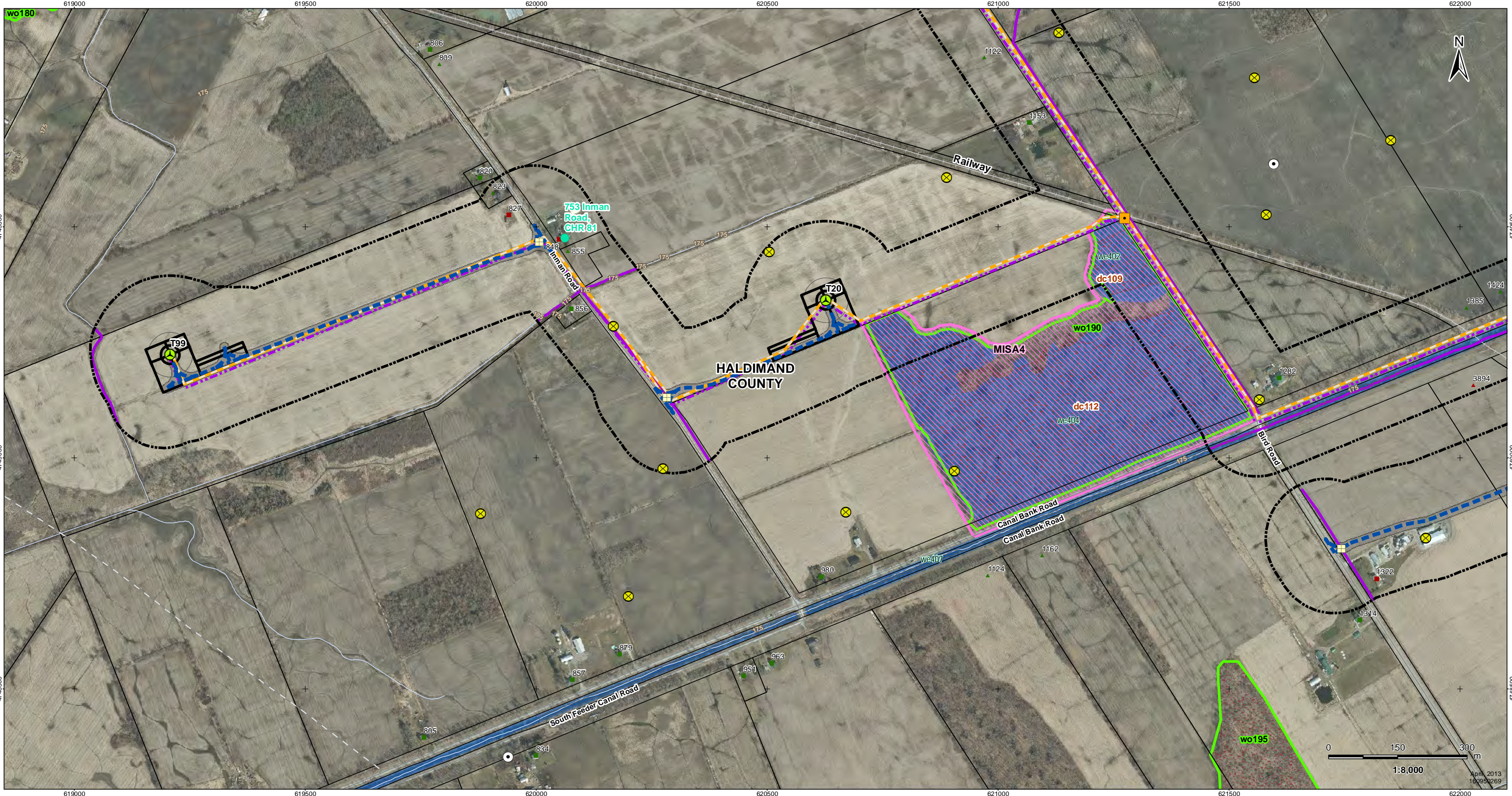


Client/Project
Niagara Region Wind Corporation

Figure No.
2.52

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

Legend

<ul style="list-style-type: none"> Project Study Area Interconnector Study Area 120m Zone of Investigation Proposed Turbine 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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
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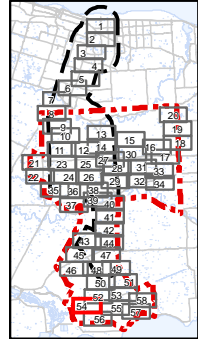
Client/Project
Niagara Region Wind Corporation

Figure No.
2.54

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

Notes

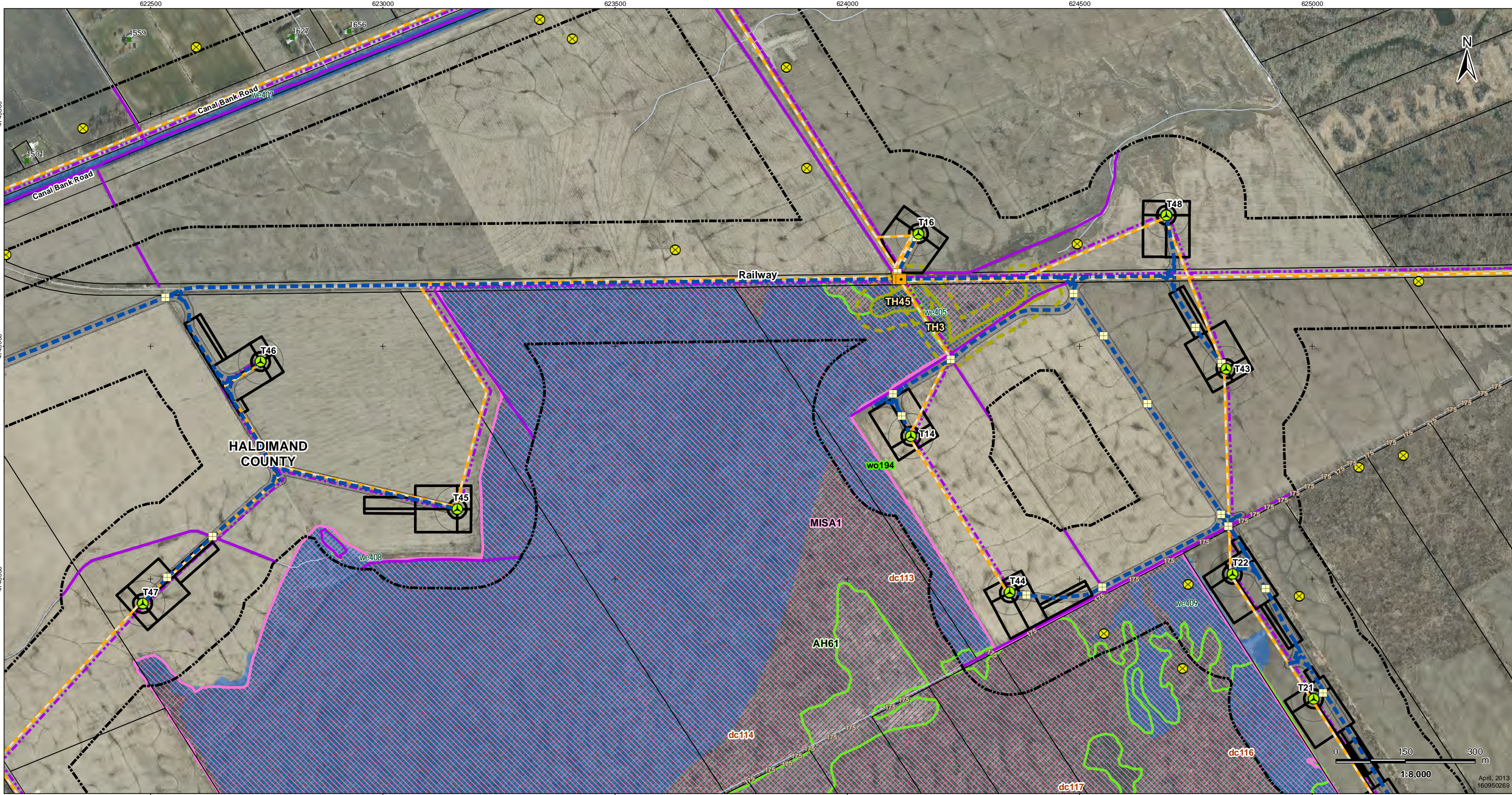
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 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.
2.54

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



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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)

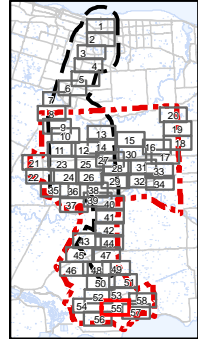
- Significant Wildlife Habitat**
- Snake Hibernacula
- Snake Hibernacula 30m Buffer
- Raptor Wintering Areas
- Deer Congregation Areas (MNR) (Generalized)
- Wetland Amphibian Breeding Habitat
- Woodland Amphibian Breeding Habitat
- Other Rare Vegetation Community
- Landbird Migratory Stopover
- Turtle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

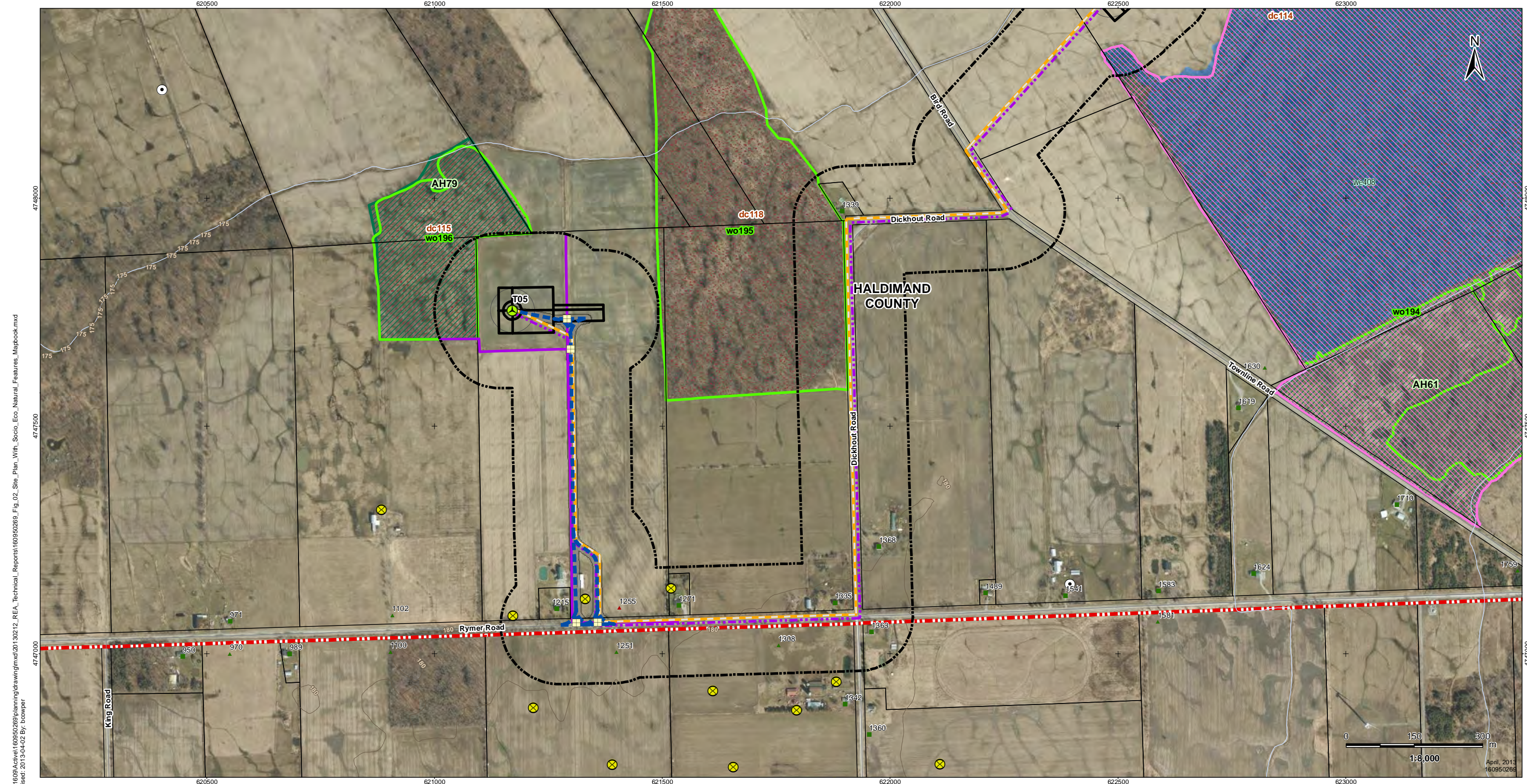


Client/Project
Niagara Region Wind Corporation

Figure No.
2.55

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

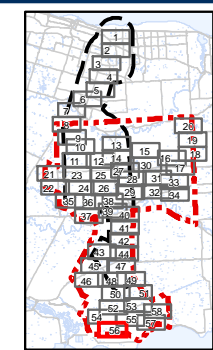


Legend

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|---|--|---|--|---|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Existing Transmission Line Pipeline Topographic Contour (mAMSLS) 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Non-participating Receptors ⁵ Occupied Vacant Participating Noise Receptors ⁵ Occupied Vacant |
|---|--|---|--|---|--|

Notes

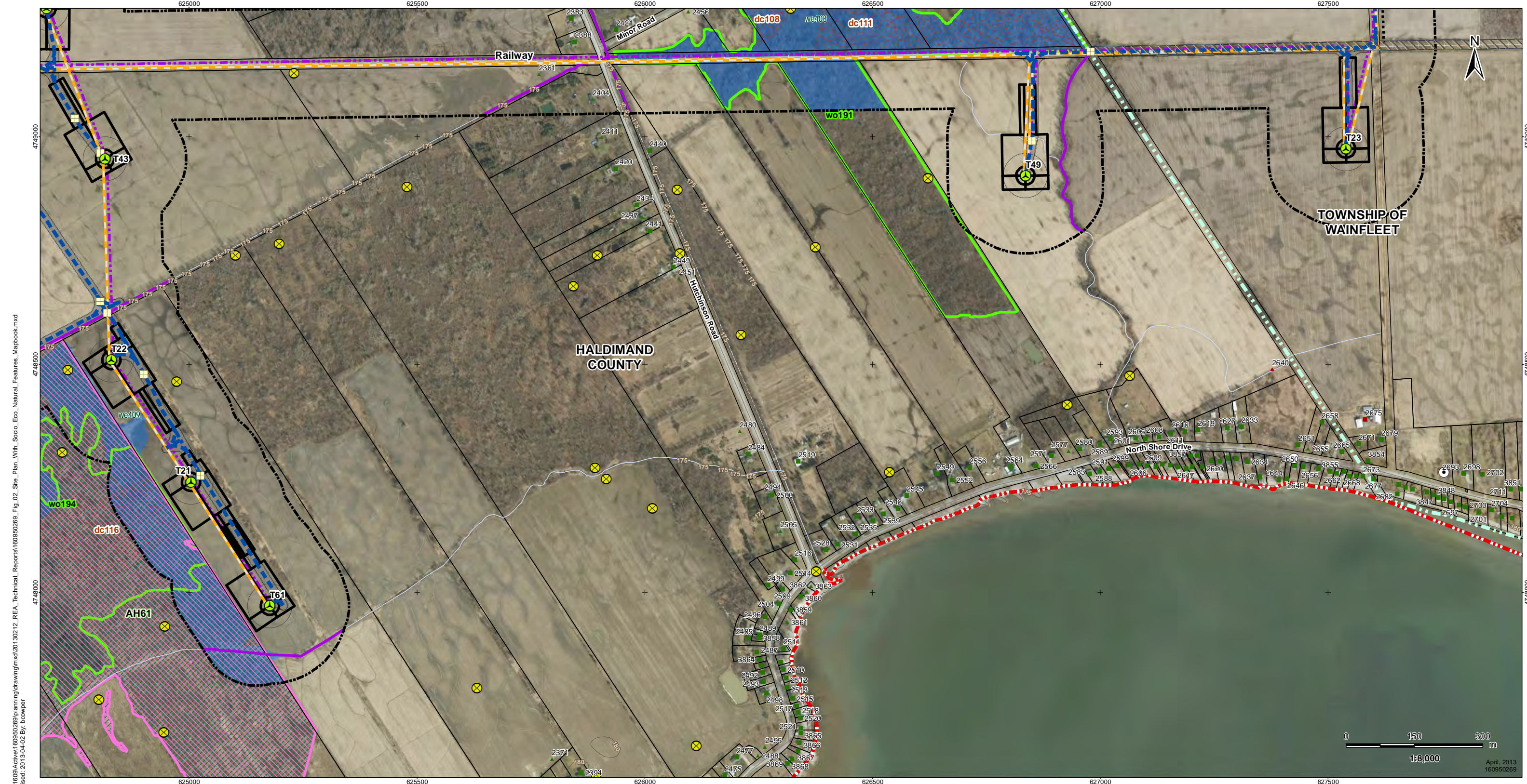
1. Coordinate System: NAD 1983 UTM Zone 17N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Orthoimagery source: First Base Solutions, Date Spring 2010.
4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 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.
2.56

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

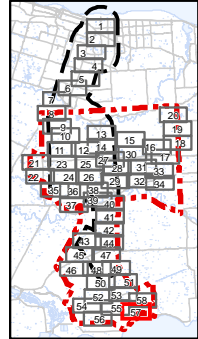


Legend

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|---|---|--|---|--|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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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4. Petroleum Well source: © Ontario Oil, Gas and Salt Resource Library, 2010.
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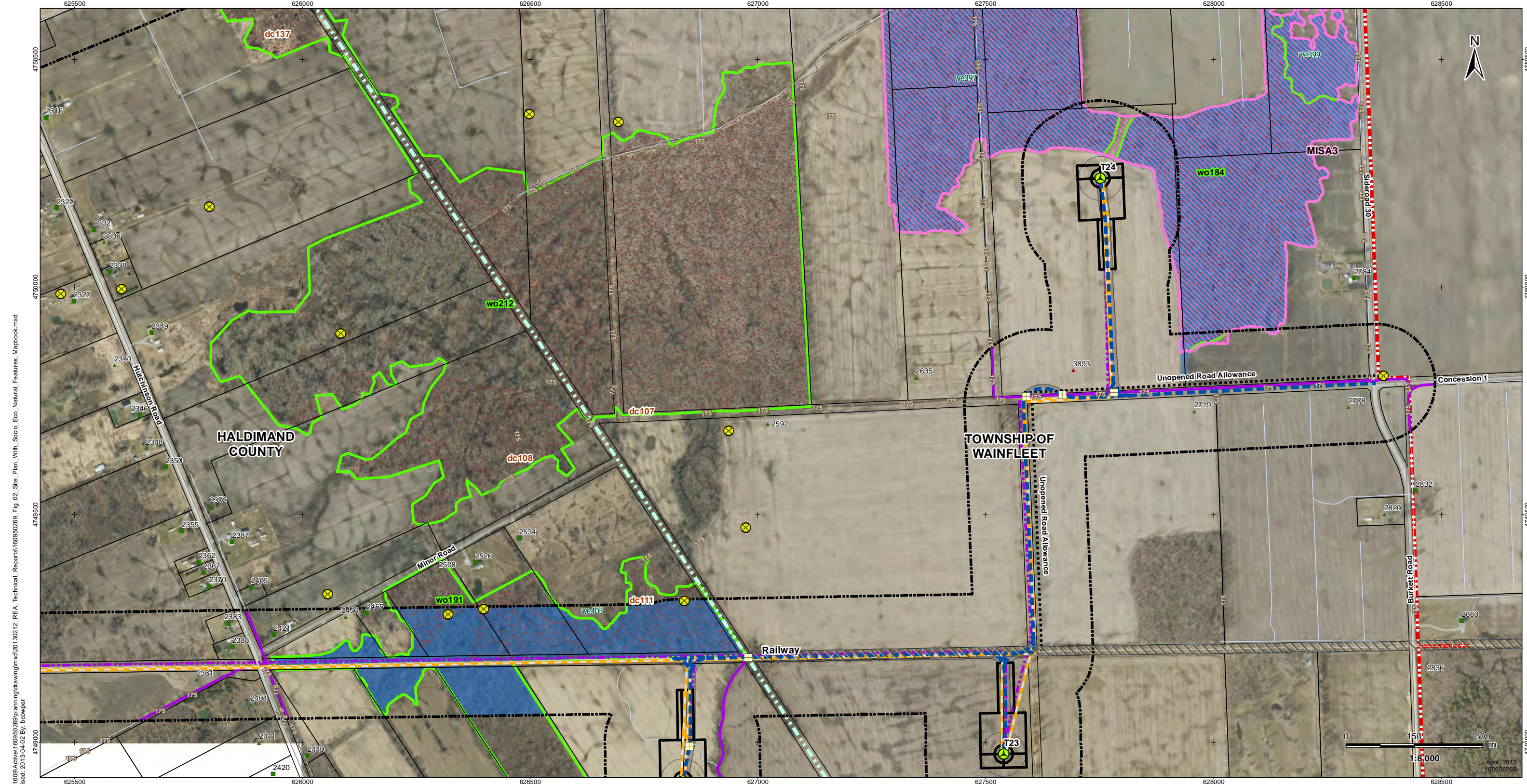


Client/Project
Niagara Region Wind Corporation

Figure No.
2.57

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

April, 2013
160950269



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 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	
	Abandoned Railway	

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

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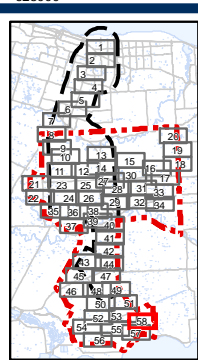
Niagara Region Wind Corporation

Figure No.

2.58

Title

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



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