






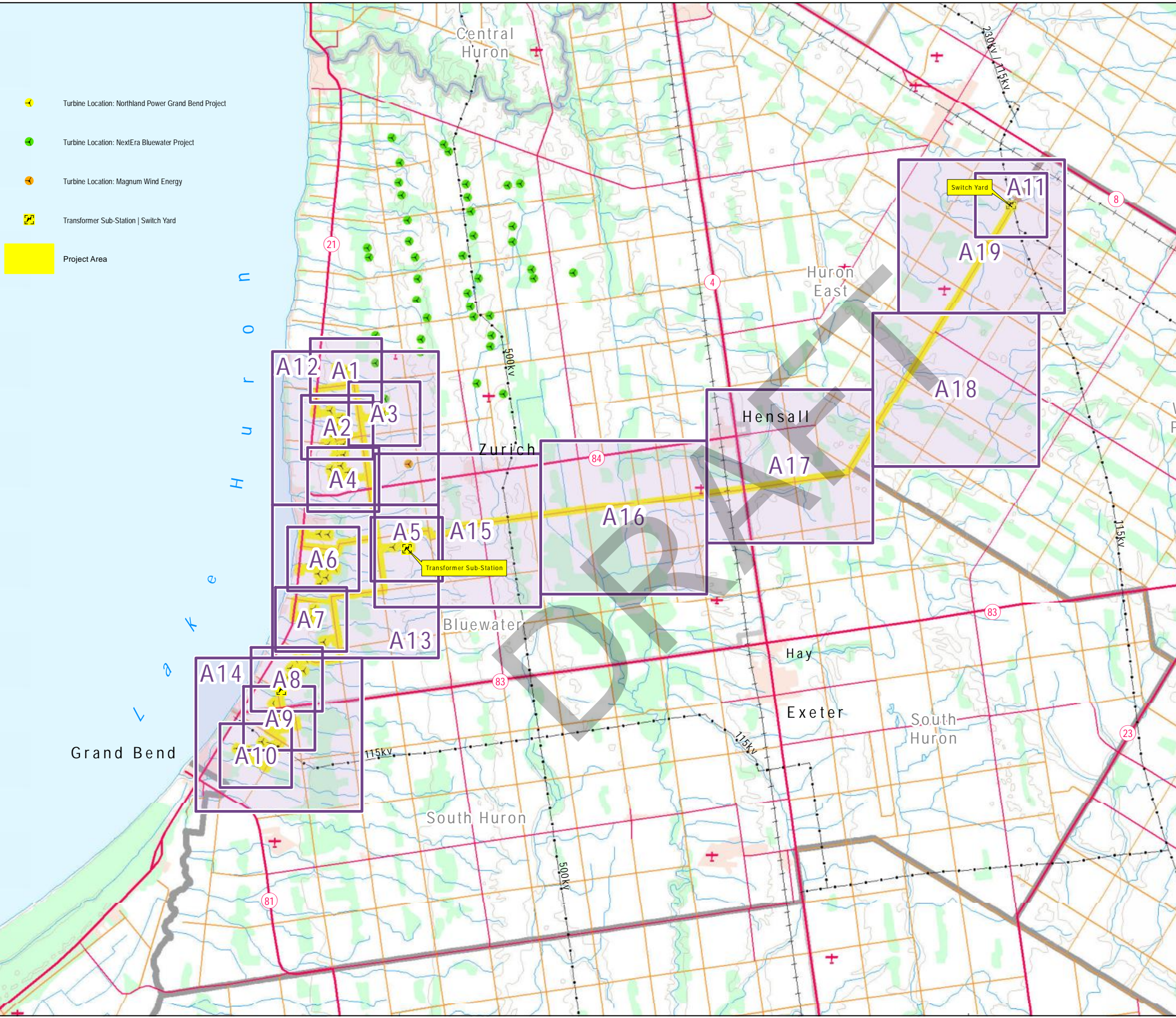
**Appendix A**  
**Site Plan**

DRAFT

Path: \\192.168.7.3\gis\Project\Jobs\PIA019991\Map\Carto\Design Operations Report\019991\_DOR\_Appendix\_A\_key.mxd

# Appendix A Figure 1 Key Map Grand Bend Wind Farm Design and Operations Report

-  Turbine Location: Northland Power Grand Bend Project
-  Turbine Location: NextEra Bluewater Project
-  Turbine Location: Magnum Wind Energy
-  Transformer Sub-Station | Switch Yard
-  Project Area



**NOTES:**

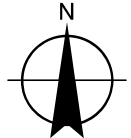
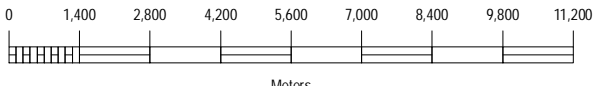
- Reference Figures 01 - 11 for site detail and 12 - 19 for transmission network.

**DATA SOURCES:**


- Ministry of Natural Resources, © Queen's Printer for Ontario
- Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:150,000  
Date: 10 August 2012  
Project Number: PIA019991

Prepared: P. Stubbert  
Checked By: C. Shilton

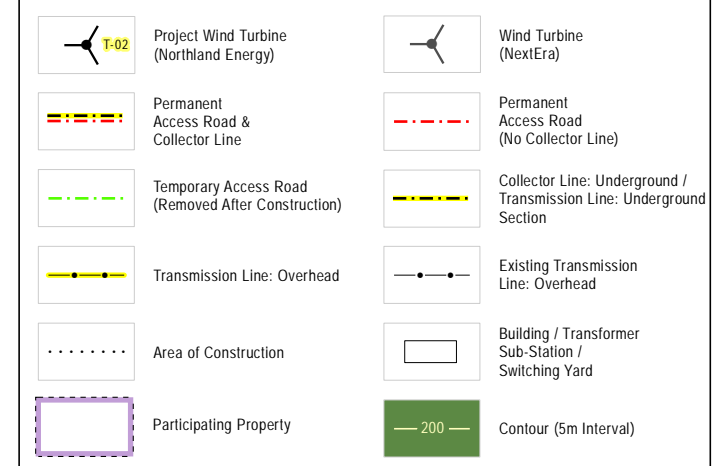
Meters





# Appendix A Figure A1

## Grand Bend Wind Farm Design and Operations Report

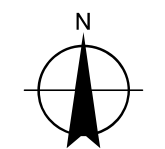


Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

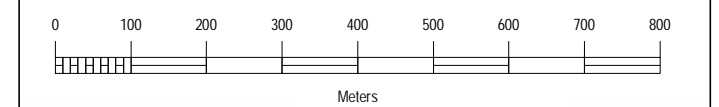
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

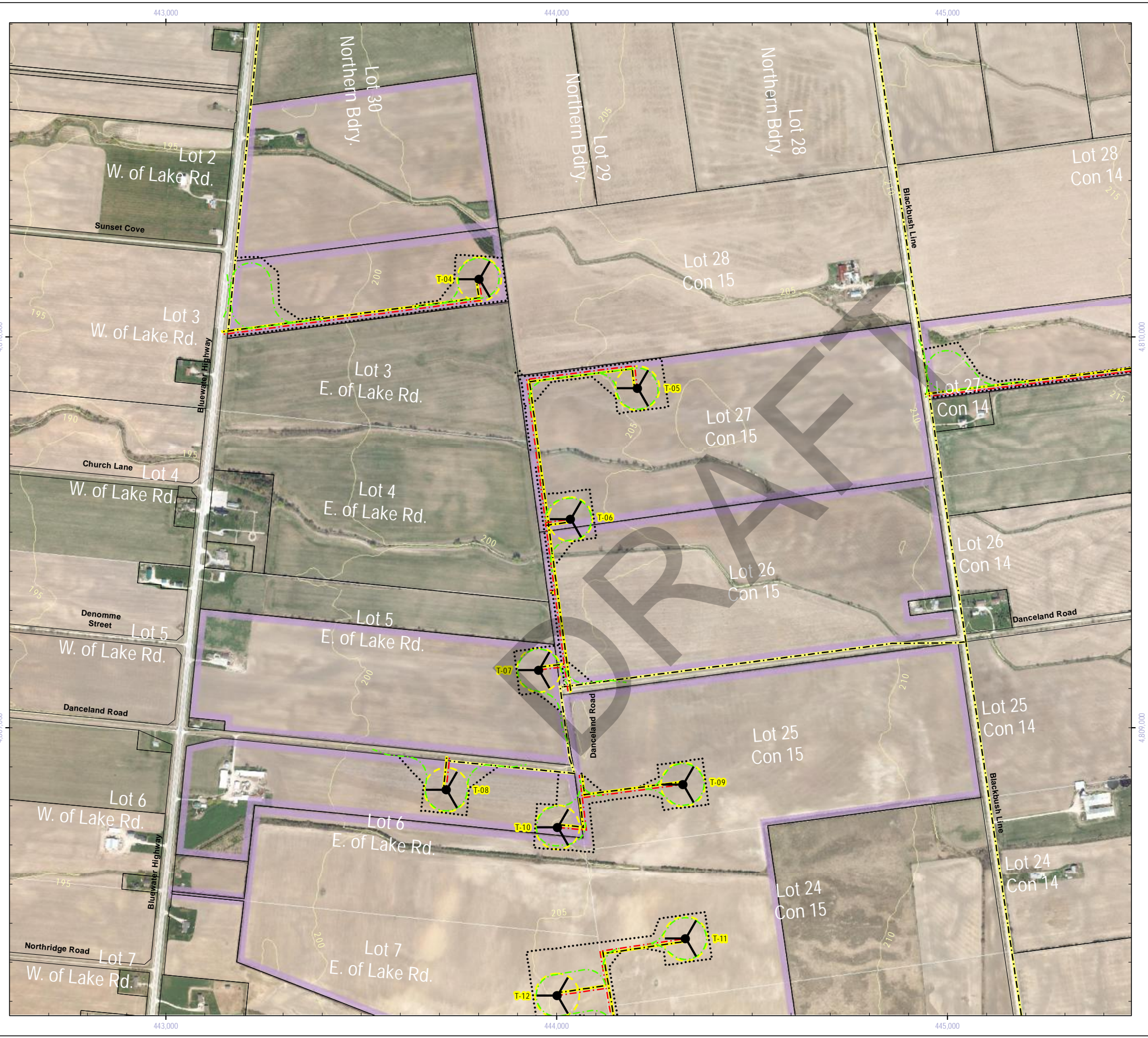
- DATA SOURCES:
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
  - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000  
Date: 10 August 2012  
Project Number: PIA019991



Prepared: P. Stubbert  
Checked By: C. Shilton





# Appendix A Figure A2

## Grand Bend Wind Farm Design and Operations Report

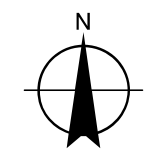
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	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Temporary Access Road (Removed After Construction)		Collector Line: Underground / Transmission Line: Underground Section
	Transmission Line: Overhead		Existing Transmission Line: Overhead
	Area of Construction		Building / Transformer Sub-Station / Switching Yard
	Participating Property		Contour (5m Interval)

Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

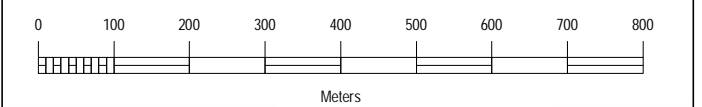
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

- DATA SOURCES:
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
  - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000  
Date: 10 August 2012  
Project Number: PIA019991



Prepared By: P. Stubbart  
Checked By: C. Shilton





# Appendix A Figure A3

## Grand Bend Wind Farm Design and Operations Report

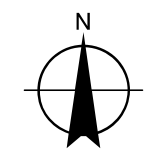
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	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Temporary Access Road (Removed After Construction)		Collector Line: Underground / Transmission Line: Underground Section
	Transmission Line: Overhead		Existing Transmission Line: Overhead
	Area of Construction		Building / Transformer Sub-Station / Switching Yard
	Participating Property		Contour (5m Interval)

Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

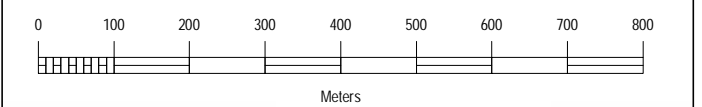
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

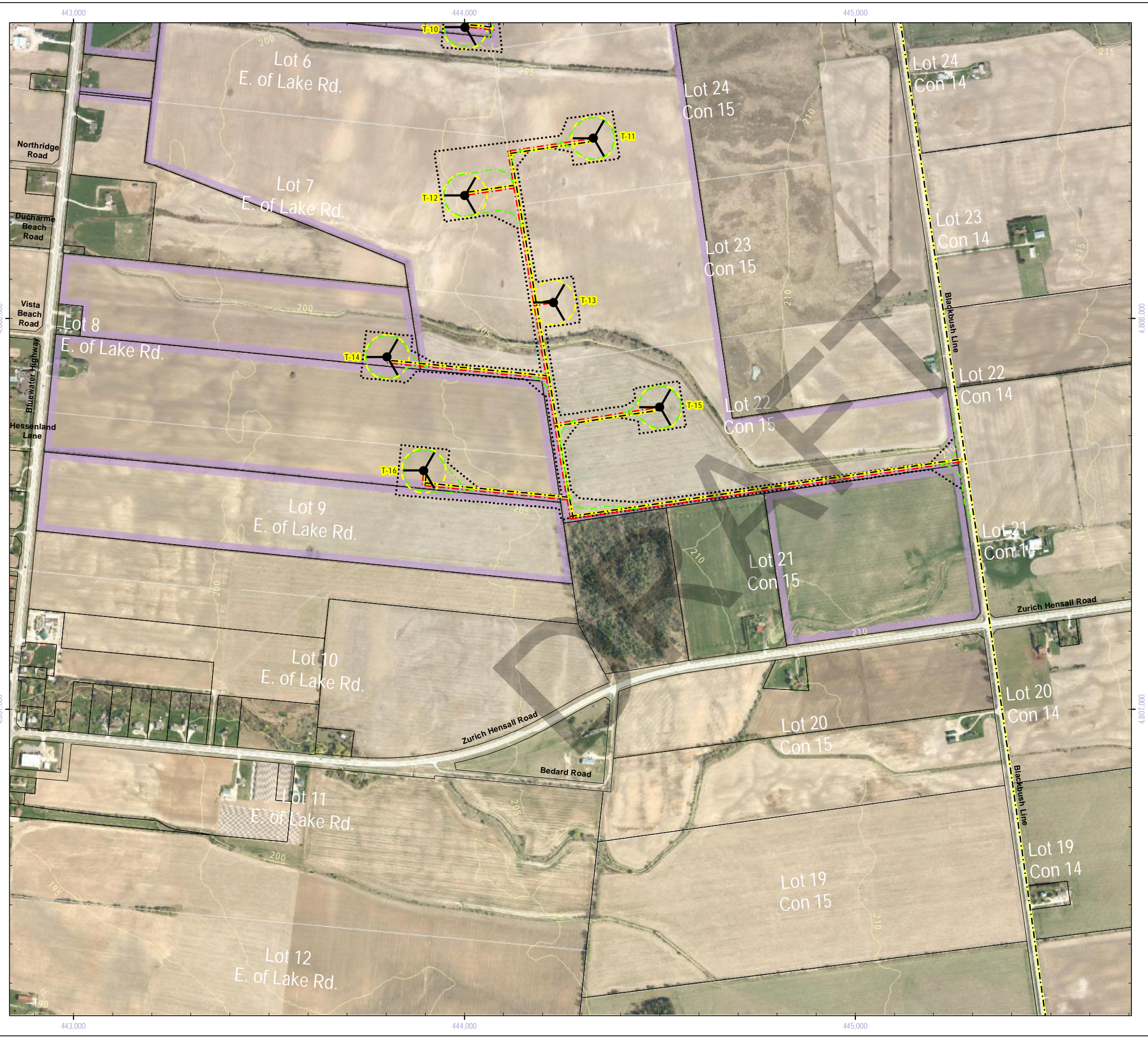
- DATA SOURCES:
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
  - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000  
Date: 10 August 2012  
Project Number: PIA019991



Prepared: P. Stubbert  
Checked By: C. Shilton





# Appendix A Figure A4

## Grand Bend Wind Farm Design and Operations Report

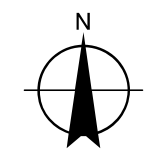
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	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Temporary Access Road (Removed After Construction)		Collector Line: Underground / Transmission Line: Underground Section
	Transmission Line: Overhead		Existing Transmission Line: Overhead
	Area of Construction		Building / Transformer Sub-Station / Switching Yard
	Participating Property		Contour (5m Interval)

Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

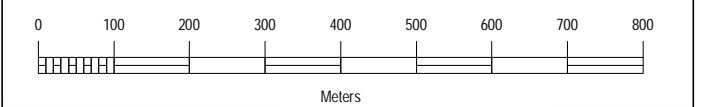
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

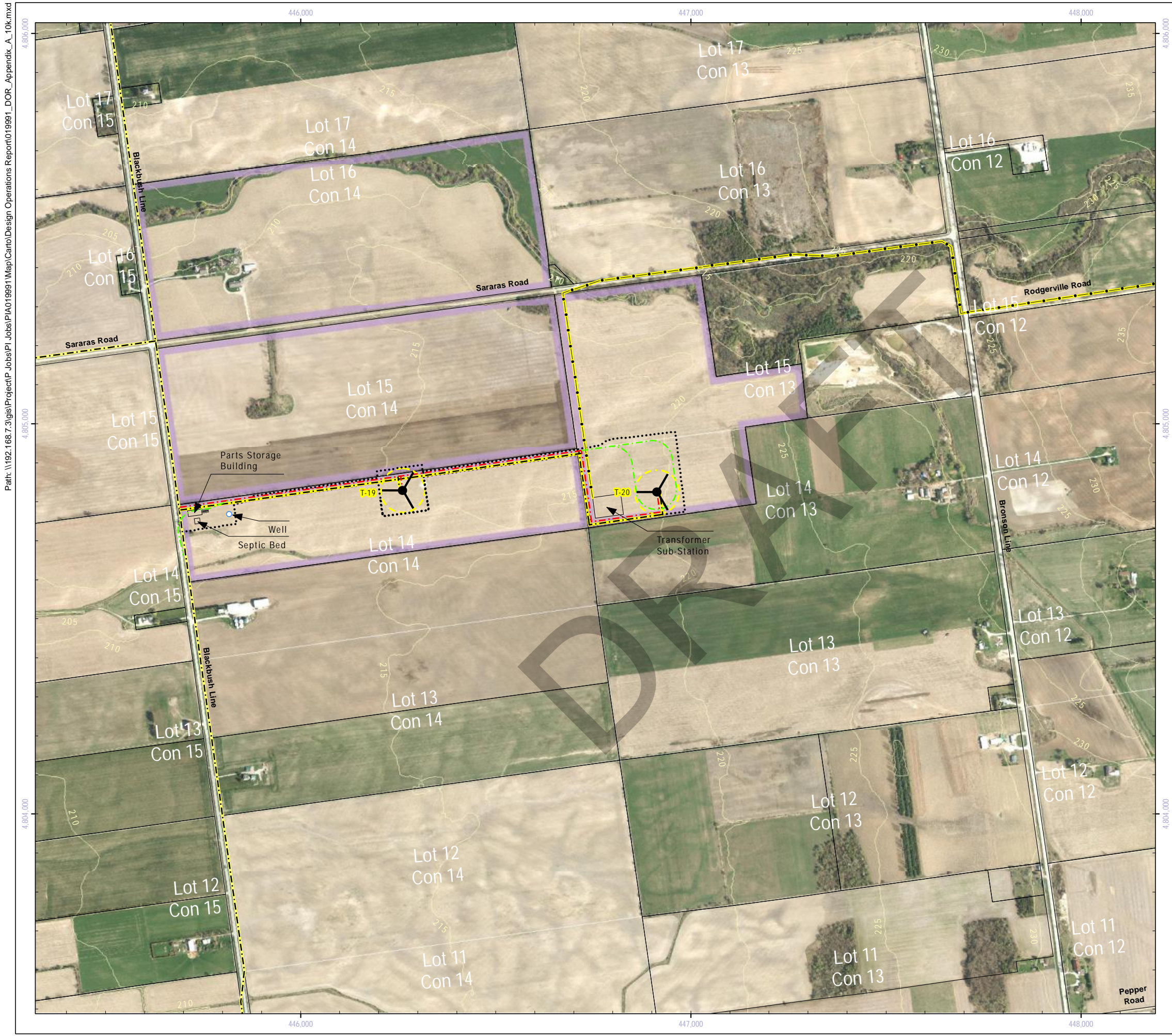
- DATA SOURCES:
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
  - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000  
Date: 10 August 2012  
Project Number: PIA019991



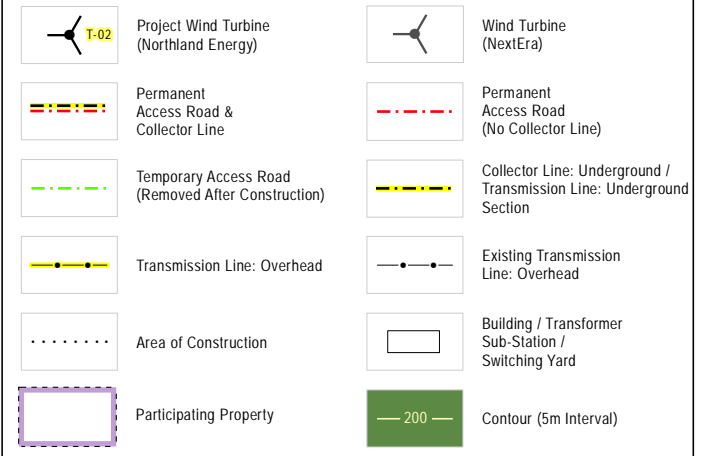
Prepared: P. Stubbert Checked By: C. Shilton





# Appendix A Figure A5

## Grand Bend Wind Farm Design and Operations Report

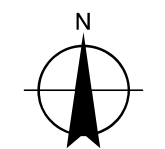


Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

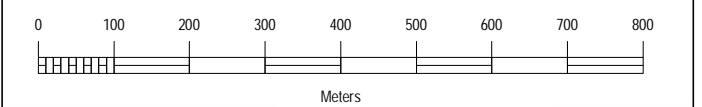
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

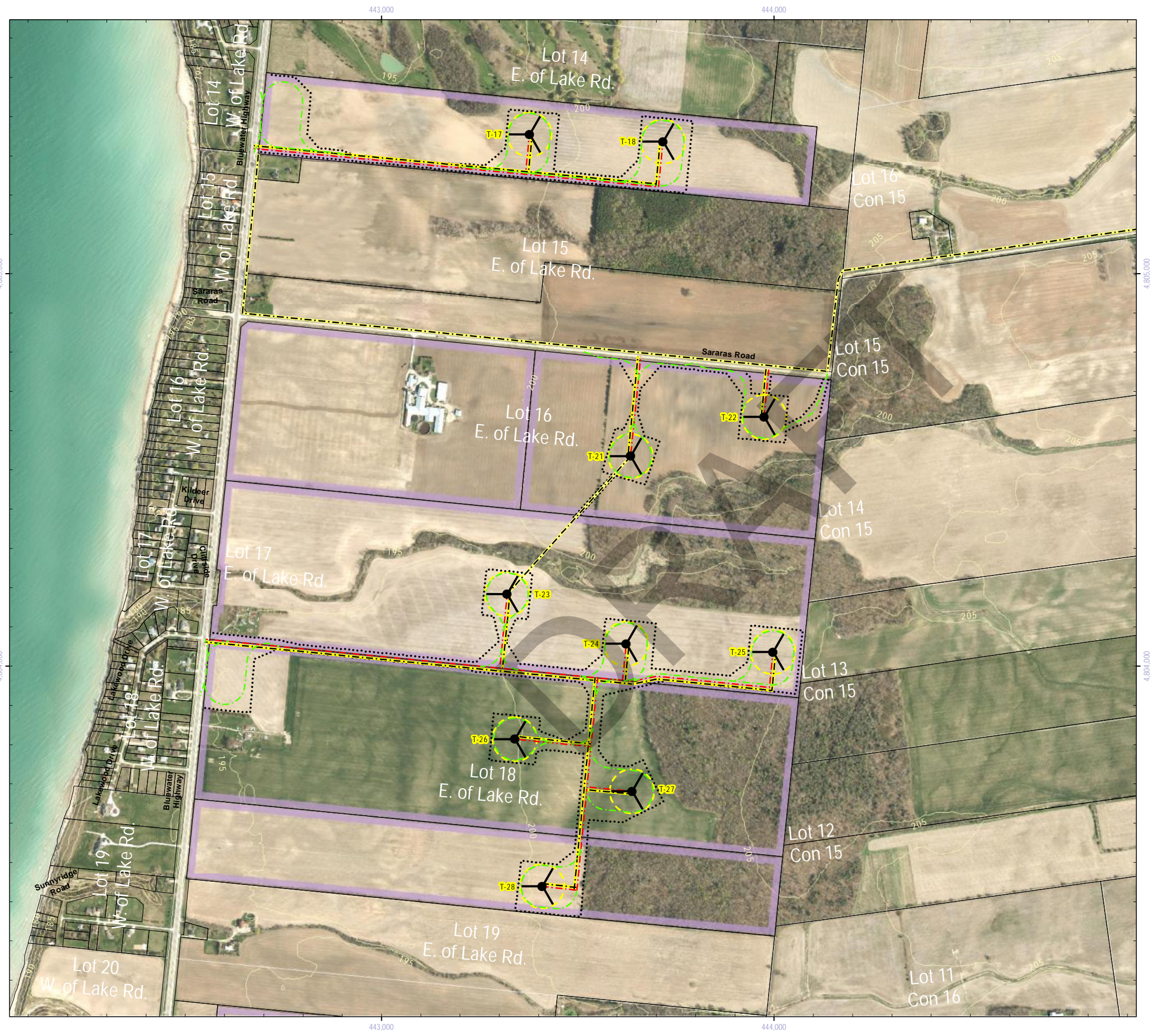
- DATA SOURCES:
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
  - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000  
Date: 10 August 2012  
Project Number: PIA019991



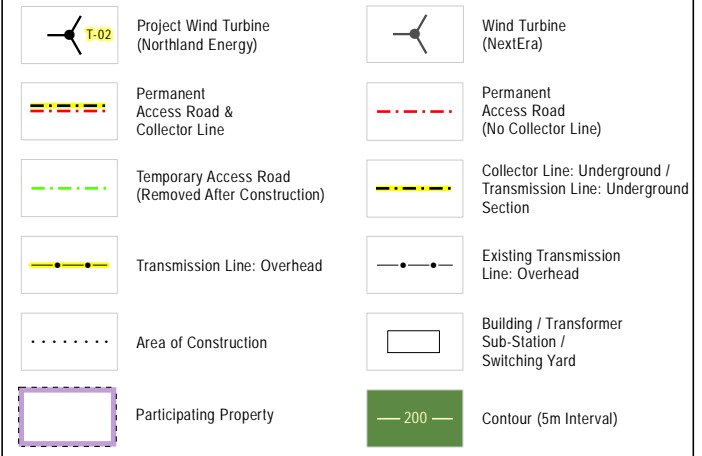
Prepared: P. Stubbert  
Checked By: C. Shilton





# Appendix A Figure A6

## Grand Bend Wind Farm Design and Operations Report

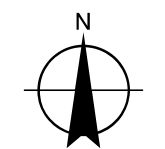


Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

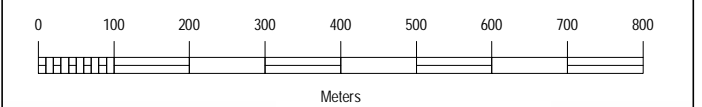
NOTES:  
1. Reference the Figure 1 Key Map for location in the overall project area.  
2. NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

DATA SOURCES:  
1. County of Huron (including Imagery: 2010)  
2. Ministry of Natural Resources, © Queen's Printer for Ontario  
3. Natural Resources Canada © Her Majesty the Queen in Right of Canada

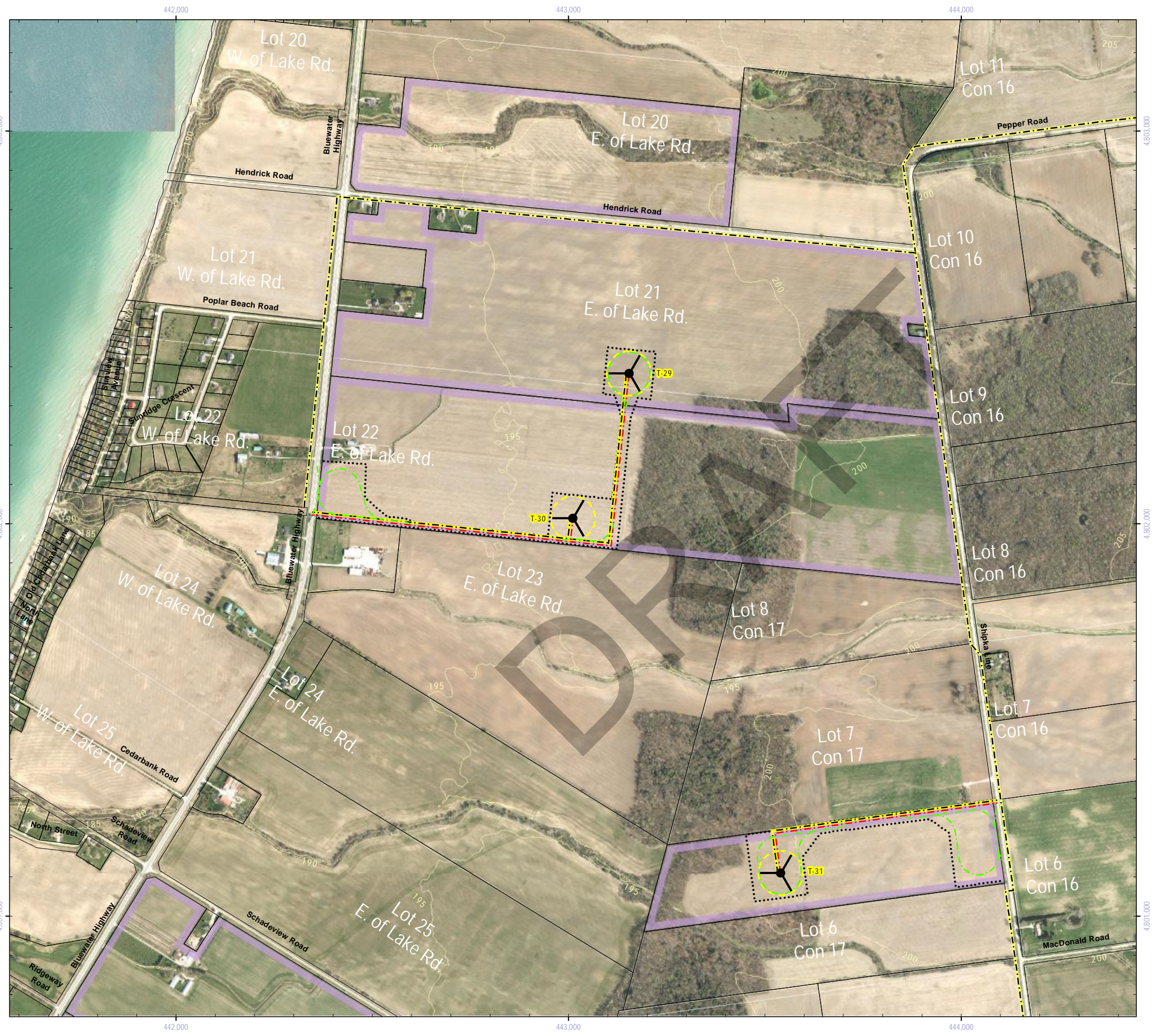
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Date: 10 August 2012  
Project Number: PIA019991



Prepared: P. Stubbert  
Checked By: C. Shilton







# Appendix A Figure A7

## Grand Bend Wind Farm Design and Operations Report

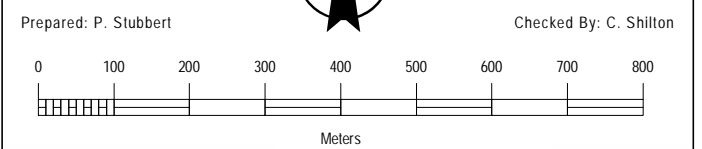
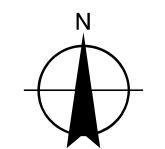
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	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Temporary Access Road (Removed After Construction)		Collector Line: Underground / Transmission Line: Underground Section
	Transmission Line: Overhead		Existing Transmission Line: Overhead
	Area of Construction		Building / Transformer Sub-Station / Switching Yard
	Participating Property		Contour (5m Interval)

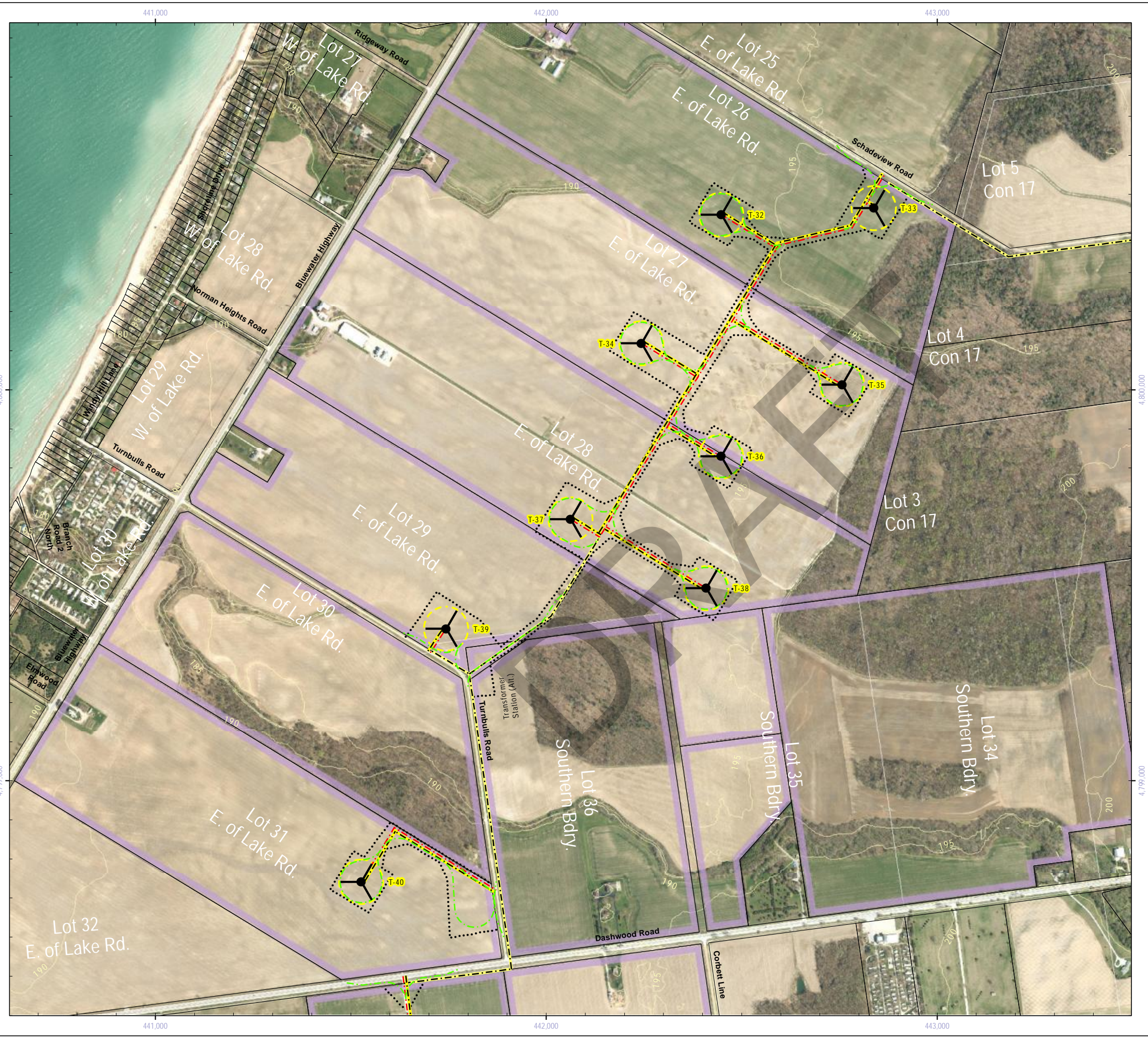
Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

- DATA SOURCES:
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
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Scale: 1:10,000  
Date: 10 August 2012  
Project Number: PIA019991





# Appendix A Figure A8

## Grand Bend Wind Farm Design and Operations Report

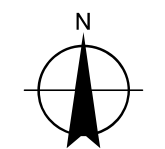
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	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Temporary Access Road (Removed After Construction)		Collector Line: Underground / Transmission Line: Underground Section
	Transmission Line: Overhead		Existing Transmission Line: Overhead
	Area of Construction		Building / Transformer Sub-Station / Switching Yard
	Participating Property		Contour (5m Interval)

Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

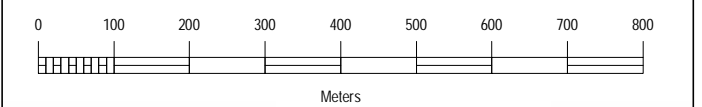
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

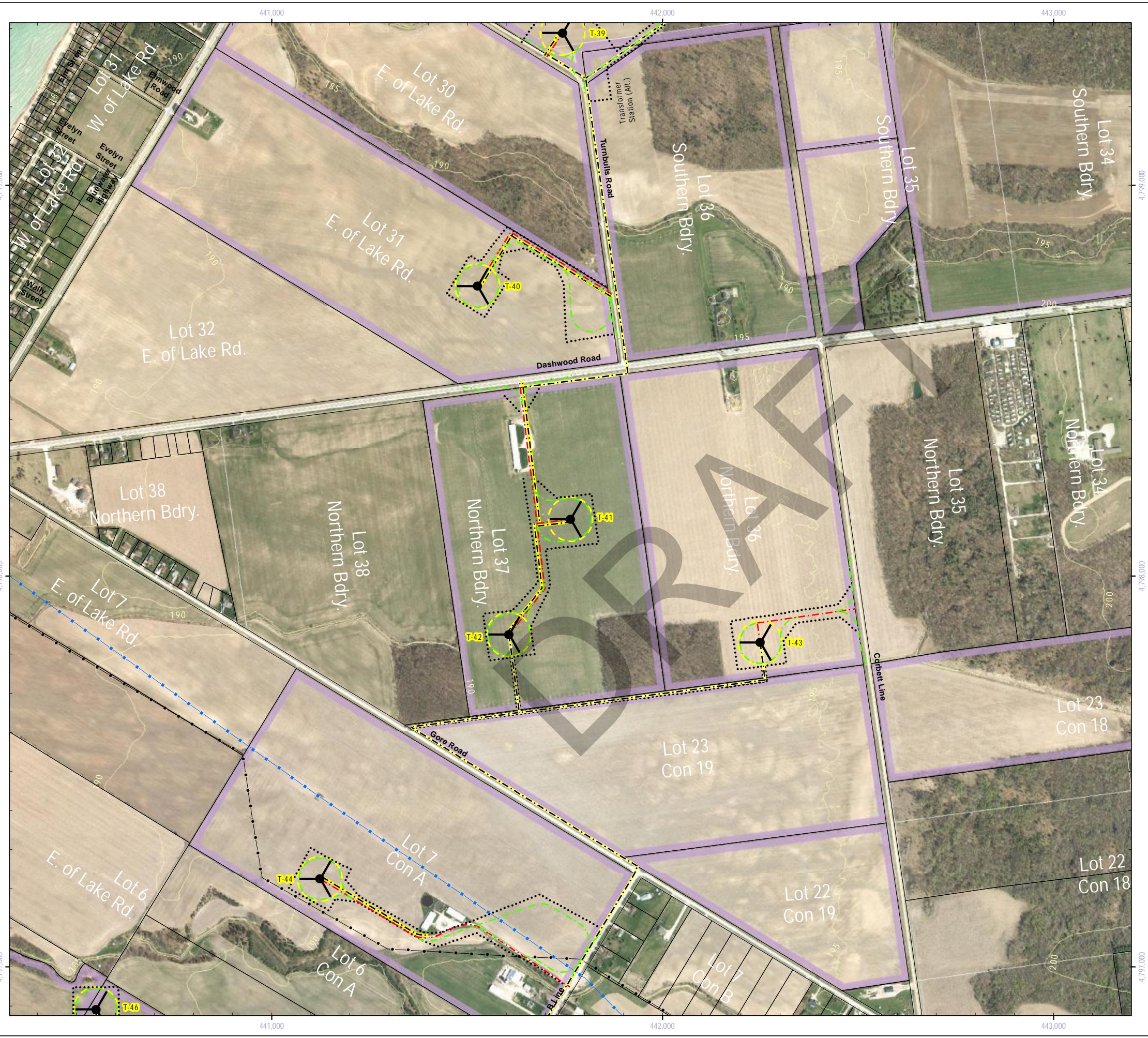
- DATA SOURCES:
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
  - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000  
Date: 10 August 2012  
Project Number: PIA019991



Prepared: P. Stubbert  
Checked By: C. Shilton





# Appendix A Figure A9

## Grand Bend Wind Farm Design and Operations Report

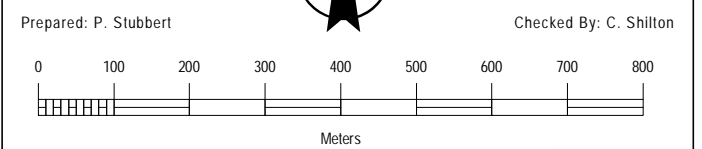
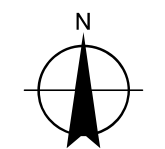
	Project Wind Turbine (Northland Energy)		Wind Turbine (NextEra)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Temporary Access Road (Removed After Construction)		Collector Line: Underground / Transmission Line: Underground Section
	Transmission Line: Overhead		Existing Transmission Line: Overhead
	Area of Construction		Building / Transformer Sub-Station / Switching Yard
	Participating Property		Contour (5m Interval)

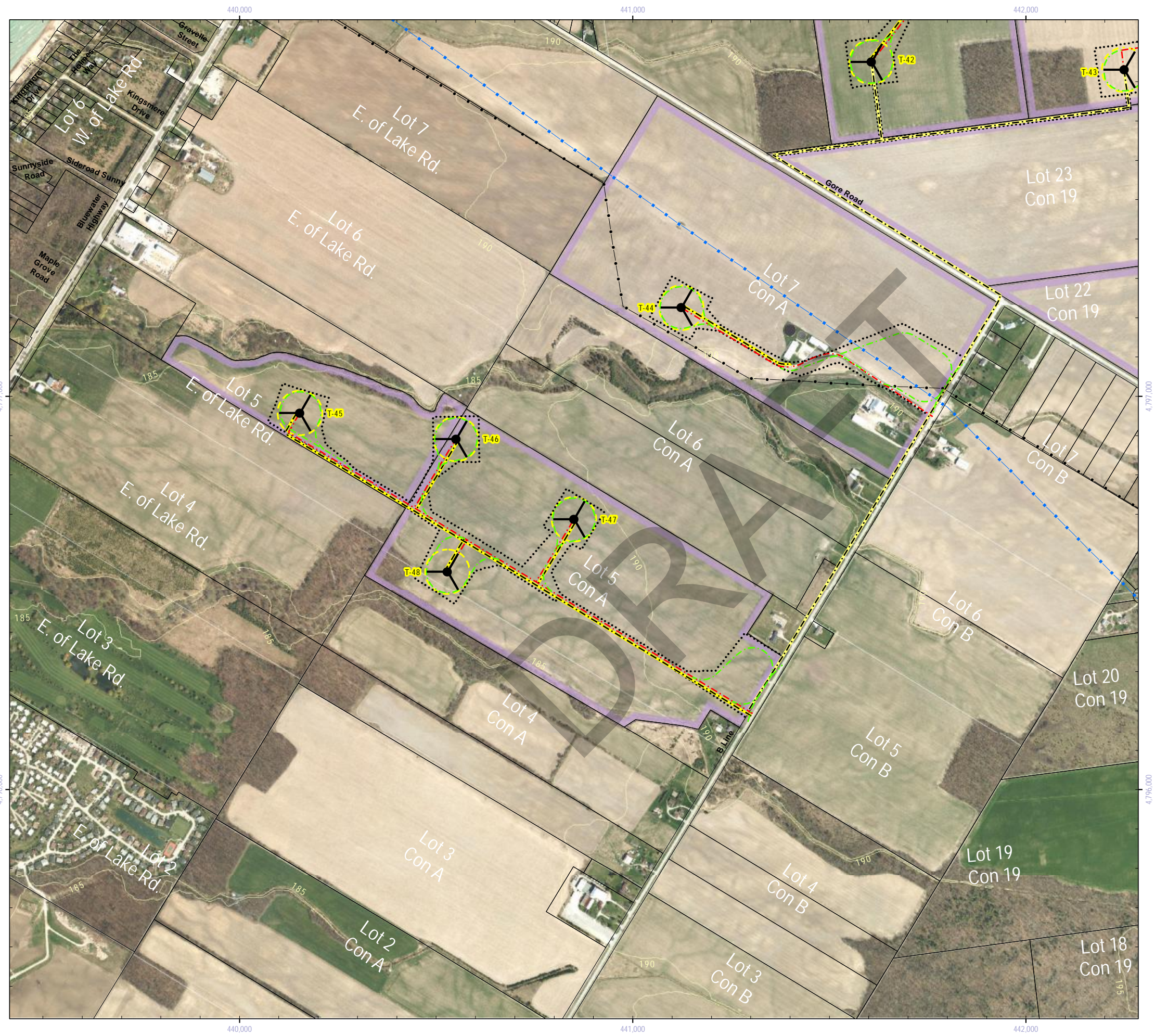
Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluerwater Wind Energy Centre, December 2011.

- DATA SOURCES:
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
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Scale: 1:10,000  
Date: 10 August 2012  
Project Number: PIA019991





# Appendix A Figure A10

## Grand Bend Wind Farm Design and Operations Report

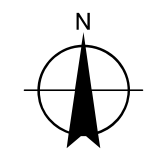
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	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Temporary Access Road (Removed After Construction)		Collector Line: Underground / Transmission Line: Underground Section
	Transmission Line: Overhead		Existing Transmission Line: Overhead
	Area of Construction		Building / Transformer Sub-Station / Switching Yard
	Participating Property		Contour (5m Interval)

Siemens SWT-2.3-113 Turbine:  
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

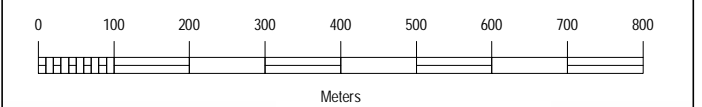
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

- DATA SOURCES:
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
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Date: 10 August 2012  
Project Number: PIA019991



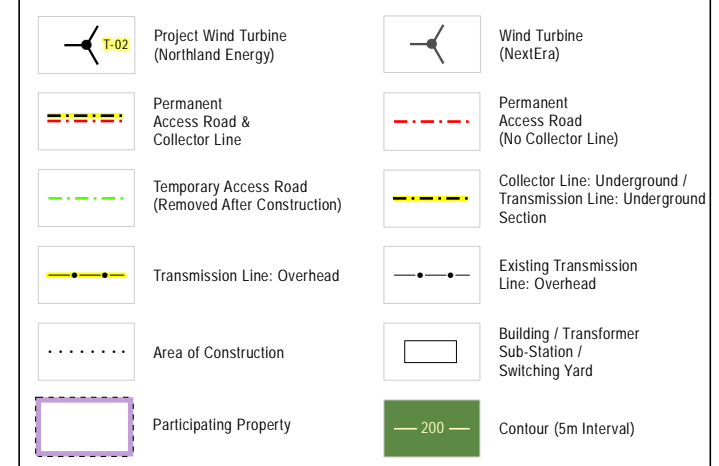
Prepared by: P. Stubbart  
Checked By: C. Shilton





# Appendix A Figure A11

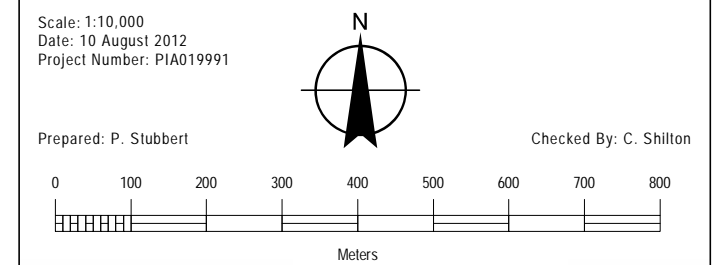
## Grand Bend Wind Farm Design and Operations Report

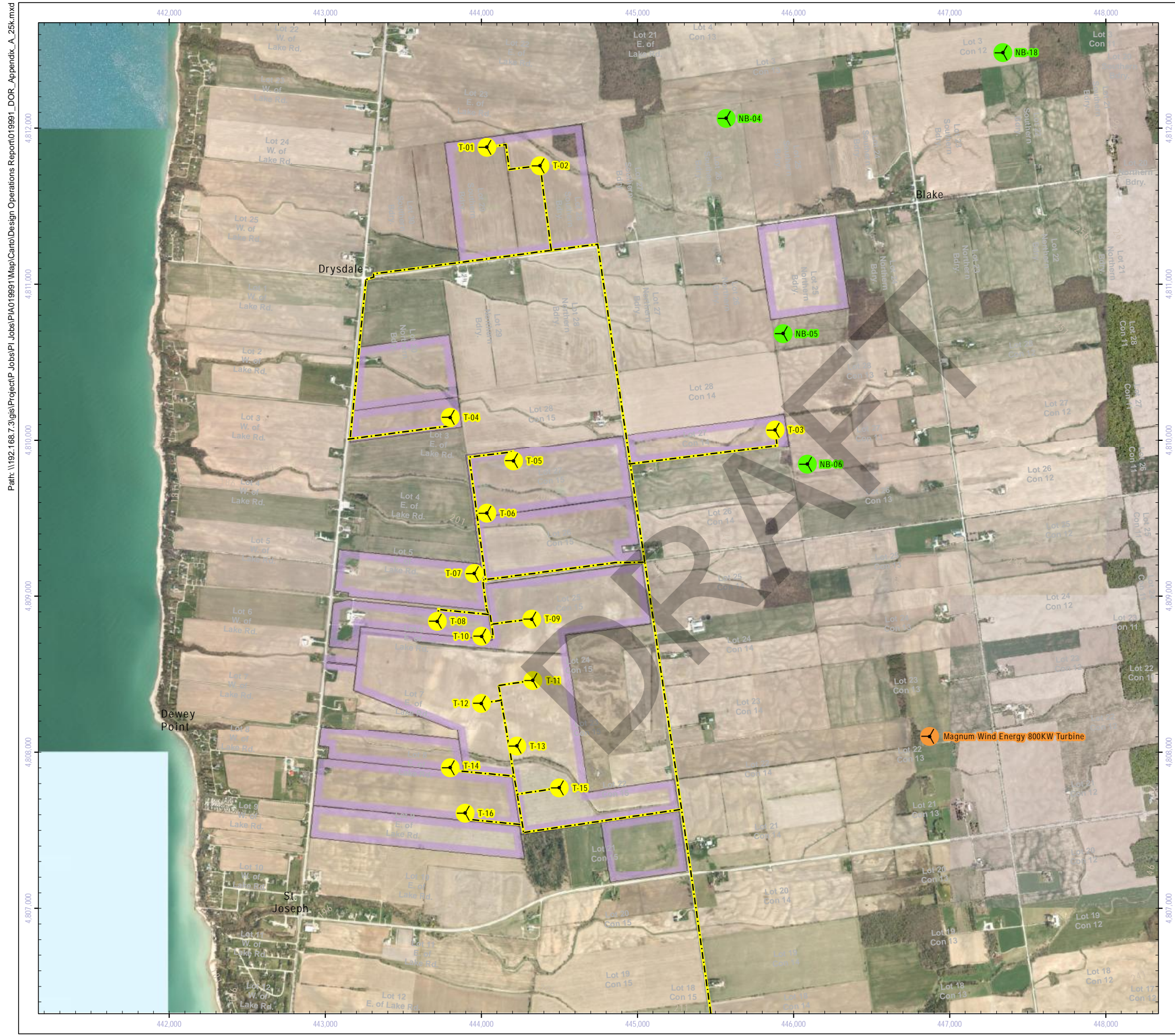


Siemens SWT-2.3-113 Turbine:  
 Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

NOTES:  
 1. Reference the Figure 1 Key Map for location in the overall project area.  
 2. NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

DATA SOURCES:  
 1. County of Huron (including Imagery: 2010)  
 2. Ministry of Natural Resources, © Queen's Printer for Ontario  
 3. Natural Resources Canada © Her Majesty the Queen in Right of Canada

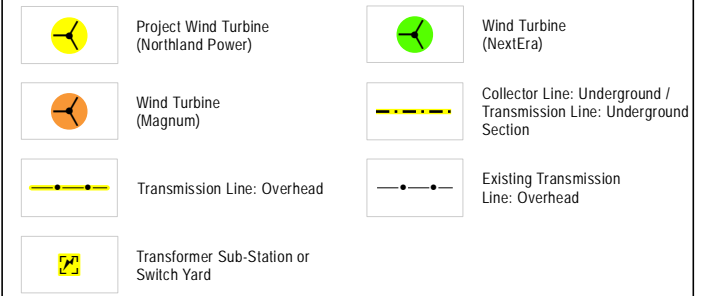




# Appendix A

## Figure A12

### Grand Bend Wind Farm Design and Operations Report



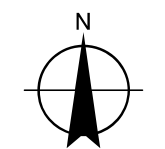
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- NextEra Turbine Locations taken from the document DRAFT Site Plan - Blewater Wind Energy Centre, December 2011.

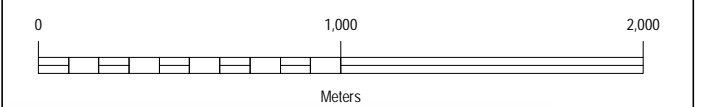
**DATA SOURCES:**

- County of Huron (including Imagery: 2010)
- Ministry of Natural Resources, © Queen's Printer for Ontario
- Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:25,000  
Date: 10 August 2012  
Project Number: PIA019991



Prepared: P. Stubbert Checked By: C. Shilton

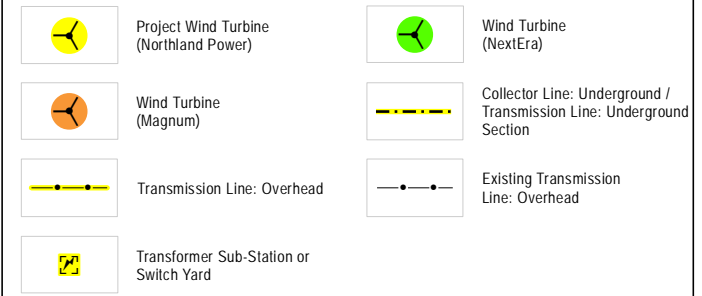


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# Appendix A Figure A13

## Grand Bend Wind Farm Design and Operations Report



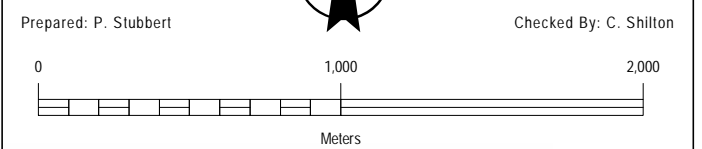
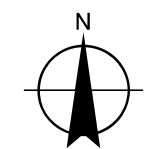
**NOTES:**

- Reference the Figure 1 Key Map for location in the overall project area.
- NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluelwater Wind Engery Centre, December 2011.

**DATA SOURCES:**

- County of Huron (including Imagery: 2010)
- Ministry of Natural Resources, © Queen's Printer for Ontario
- Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:25,000  
Date: 10 August 2012  
Project Number: PIA019991

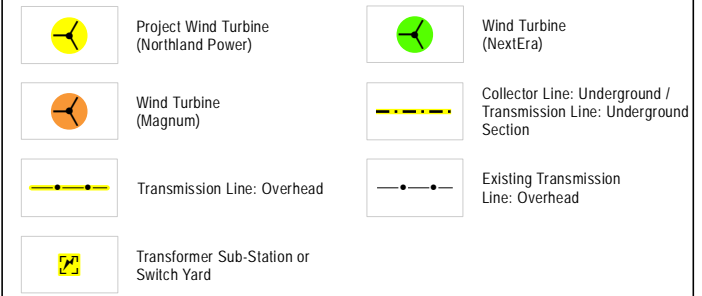


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# Appendix A Figure A14

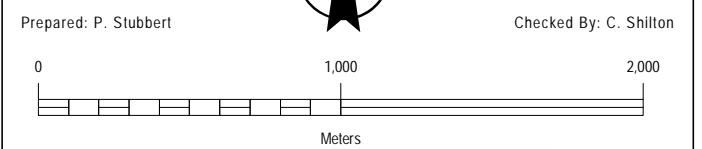
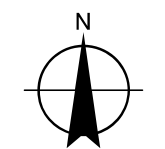
## Grand Bend Wind Farm Design and Operations Report



- NOTES:**
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

- DATA SOURCES:**
- County of Huron (including Imagery: 2010)
  - Ministry of Natural Resources, © Queen's Printer for Ontario
  - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:25,000  
Date: 10 August 2012  
Project Number: PIA019991

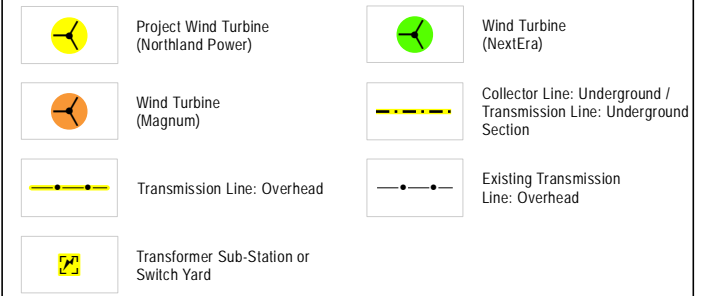






# Appendix A Figure A15

## Grand Bend Wind Farm Design and Operations Report



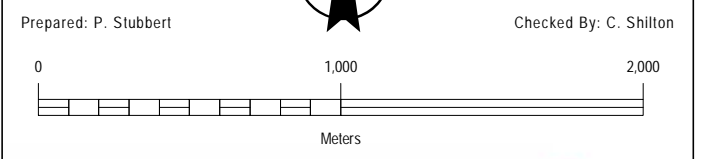
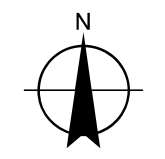
**NOTES:**

- Reference the Figure 1 Key Map for location in the overall project area.
- NextEra Turbine Locations taken from the document DRAFT Site Plan - Blewater Wind Energy Centre, December 2011.

**DATA SOURCES:**

- County of Huron (including Imagery: 2010)
- Ministry of Natural Resources, © Queen's Printer for Ontario
- Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:25,000  
Date: 10 August 2012  
Project Number: PIA019991



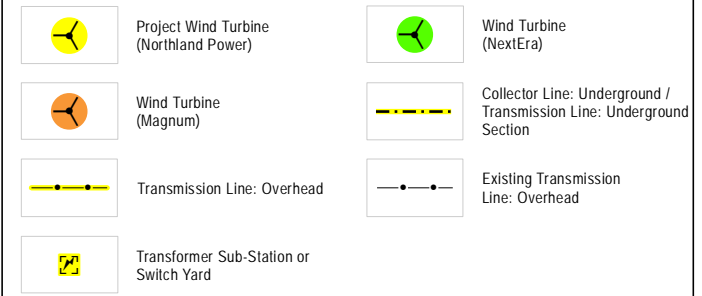
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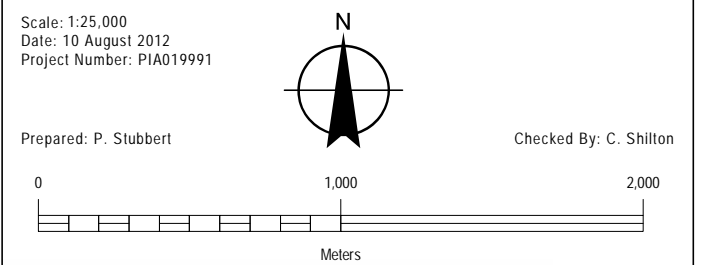
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# Appendix A Figure A16

## Grand Bend Wind Farm Design and Operations Report



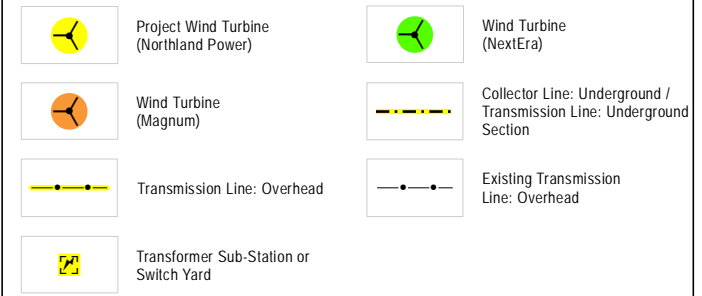
- NOTES:**
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.
- DATA SOURCES:**
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  - Ministry of Natural Resources, © Queen's Printer for Ontario
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# Appendix A Figure A17

## Grand Bend Wind Farm Design and Operations Report



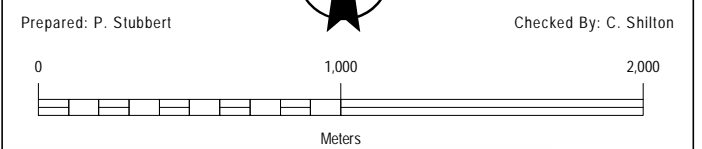
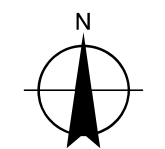
**NOTES:**

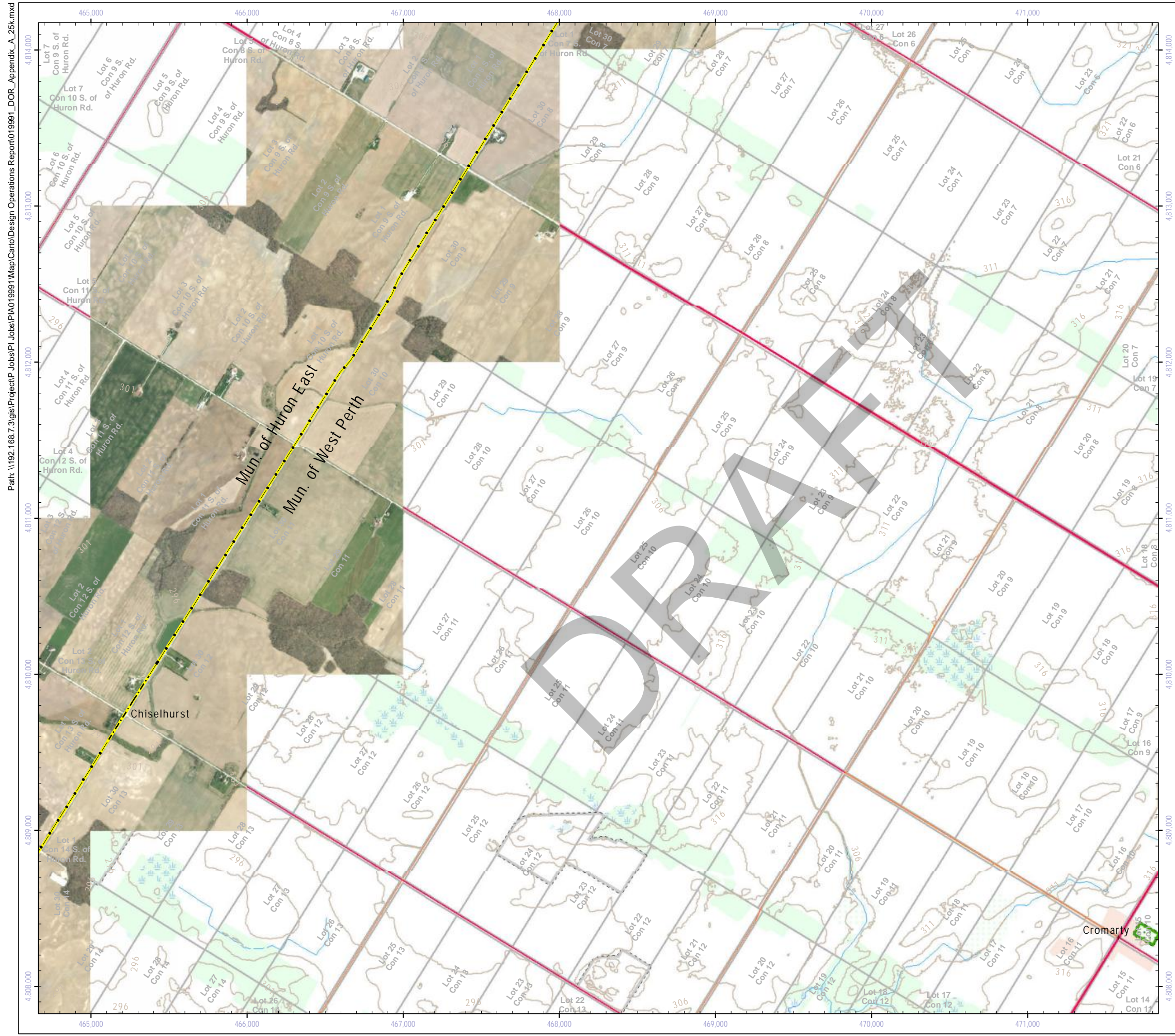
- Reference the Figure 1 Key Map for location in the overall project area.
- NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

**DATA SOURCES:**

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# Appendix A Figure A18

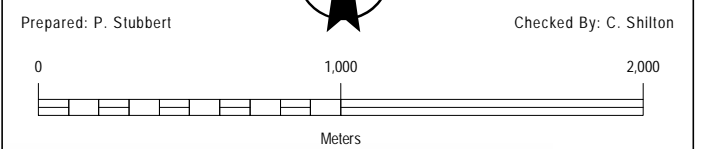
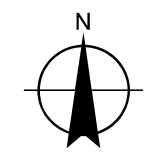
## Grand Bend Wind Farm Design and Operations Report

- |   |   |   |  |
|---|---|---|--|
|  | Project Wind Turbine<br>(Northland Power) |  | Wind Turbine<br>(NextEra)  |
|  | Wind Turbine<br>(Magnum)                  |  | Collector Line: Underground /<br>Transmission Line: Underground<br>Section |
|  | Transmission Line: Overhead               |  | Existing Transmission<br>Line: Overhead                                    |
|  | Transformer Sub-Station or<br>Switch Yard |   |  |

- NOTES:**
- Reference the Figure 1 Key Map for location in the overall project area.
  - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

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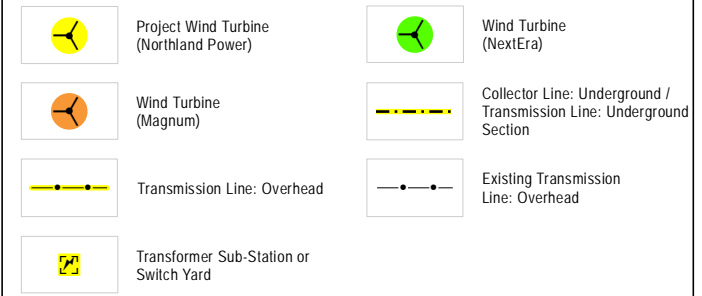


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# Appendix A Figure A19

## Grand Bend Wind Farm Design and Operations Report



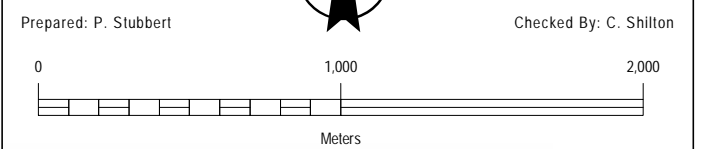
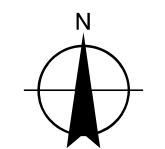
**NOTES:**

- Reference the Figure 1 Key Map for location in the overall project area.
- NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

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