






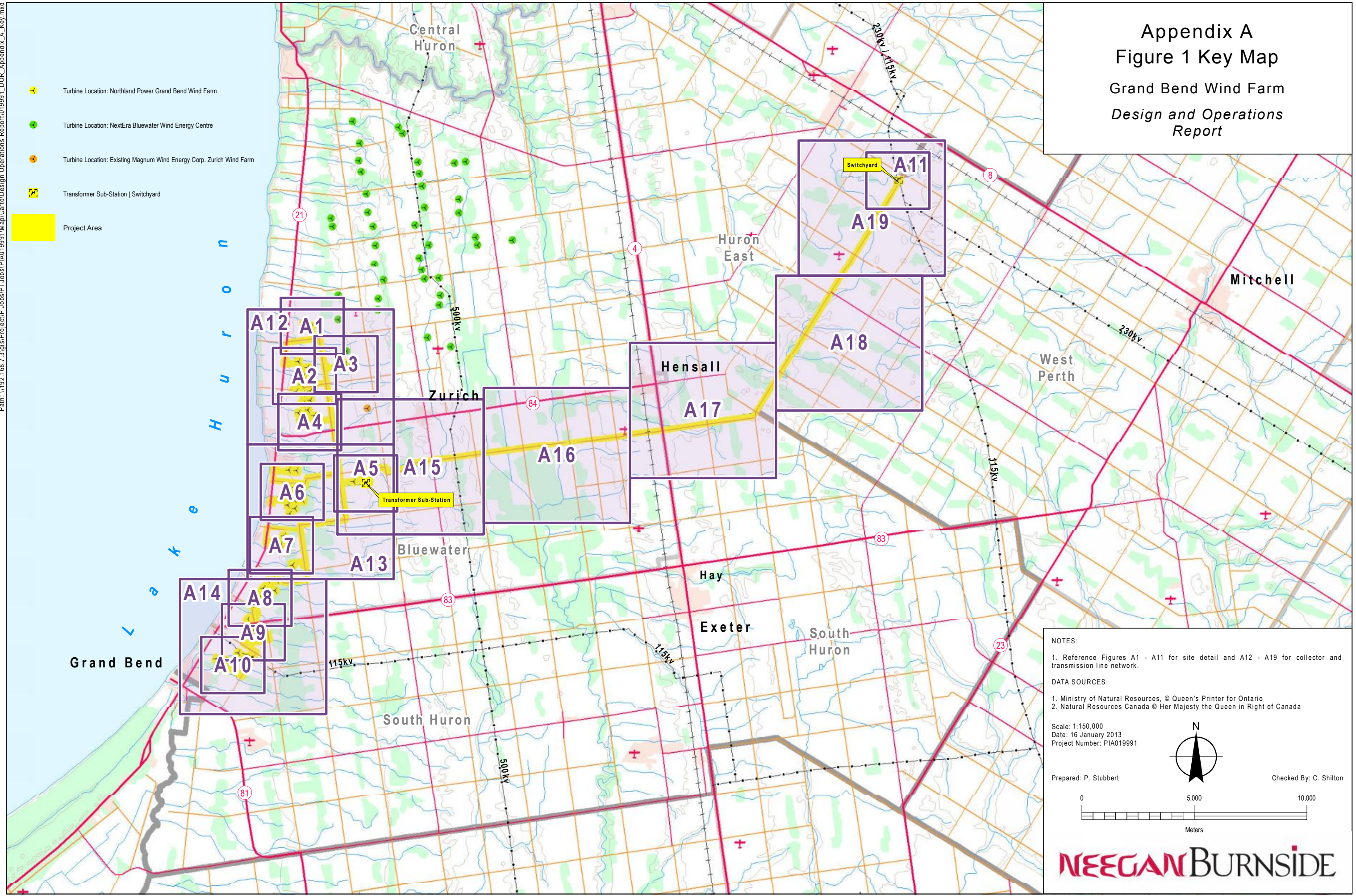
NEEGANBURNSIDE

Appendix A
Site Plan

Path: \\192.168.7.3\gis\Project\Jobs\PIA019991\Map\Carto\Design Operations Report\019991_DOF_Appendix_A_Key.mxd

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

-  Turbine Location: Northland Power Grand Bend Wind Farm
-  Turbine Location: NextEra Bluewater Wind Energy Centre
-  Turbine Location: Existing Magnum Wind Energy Corp. Zurich Wind Farm
-  Transformer Sub-Station | Switchyard
-  Project Area



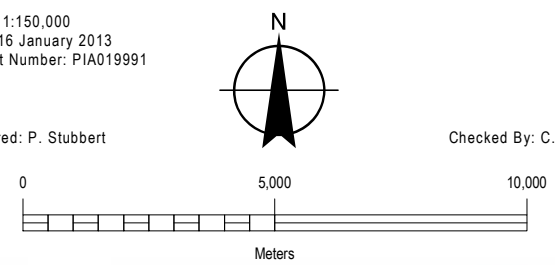
NOTES:
1. Reference Figures A1 - A11 for site detail and A12 - A19 for collector and transmission line network.

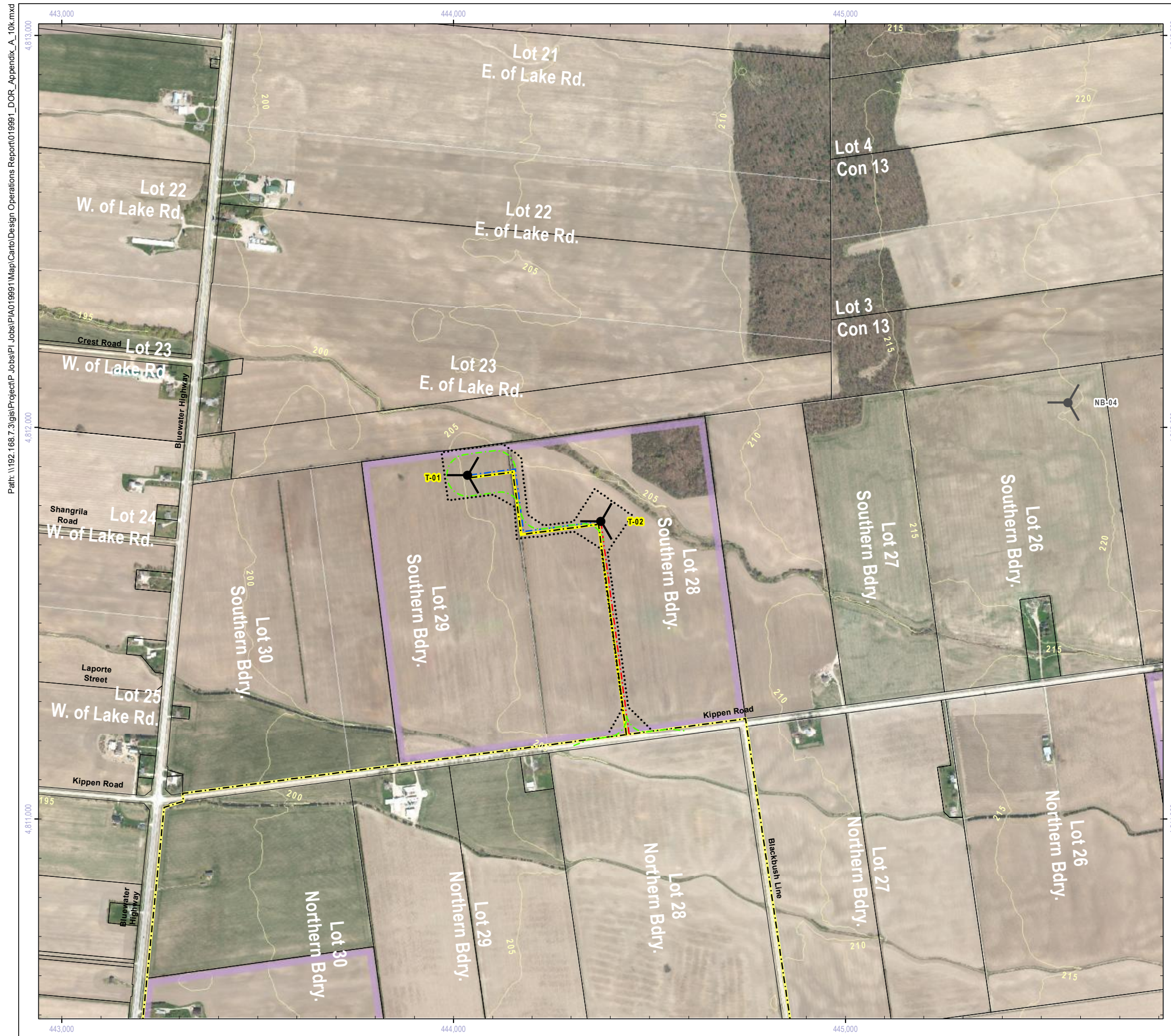
DATA SOURCES:
1. Ministry of Natural Resources, © Queen's Printer for Ontario
2. Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:150,000
Date: 16 January 2013
Project Number: PIA019991

Prepared: P. Stubbert

Checked By: C. Shilton





Appendix A Figure A1

Grand Bend Wind Farm Design and Operations Report

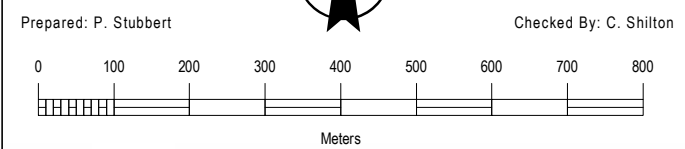
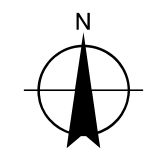
	Proposed Project Wind Turbine (Grand Bend Wind Farm)		Proposed Other Wind Turbine (NextEra Bluewater Wind Engery Centre)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

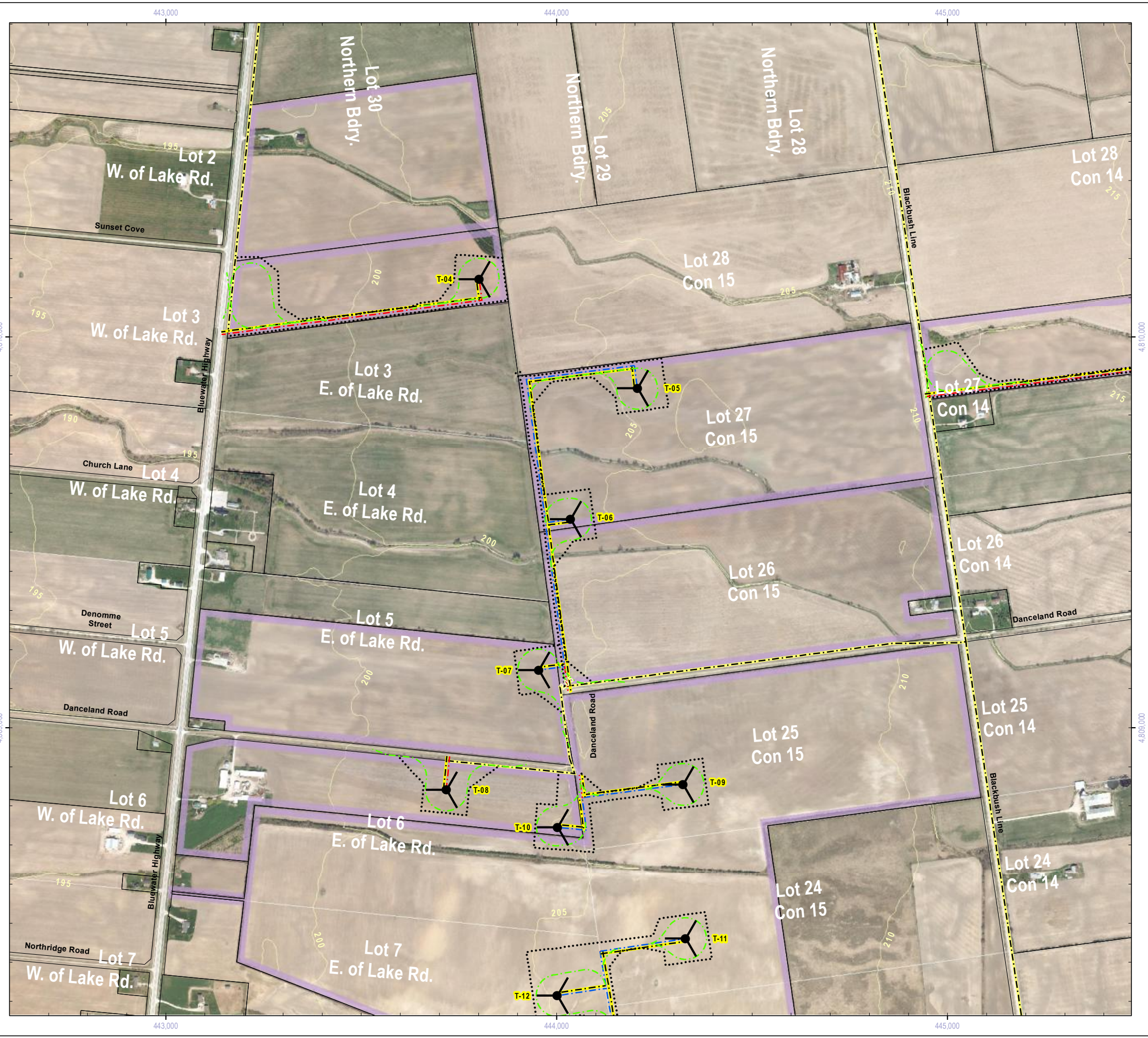
Siemens SWT-2.3-113 Turbine:
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

- 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 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: 1:10,000
Date: 21 January 2013
Project Number: PIA019991





Appendix A Figure A2

Grand Bend Wind Farm Design and Operations Report

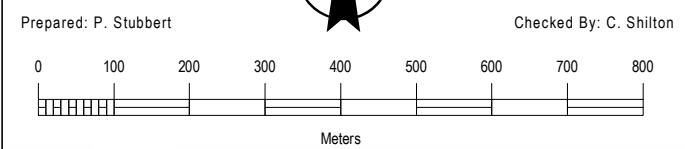
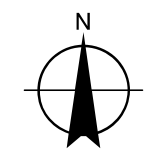
	Proposed Project Wind Turbine (Grand Bend Wind Farm)		Proposed Other Wind Turbine (NextEra Bluewater Wind Engery Centre)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

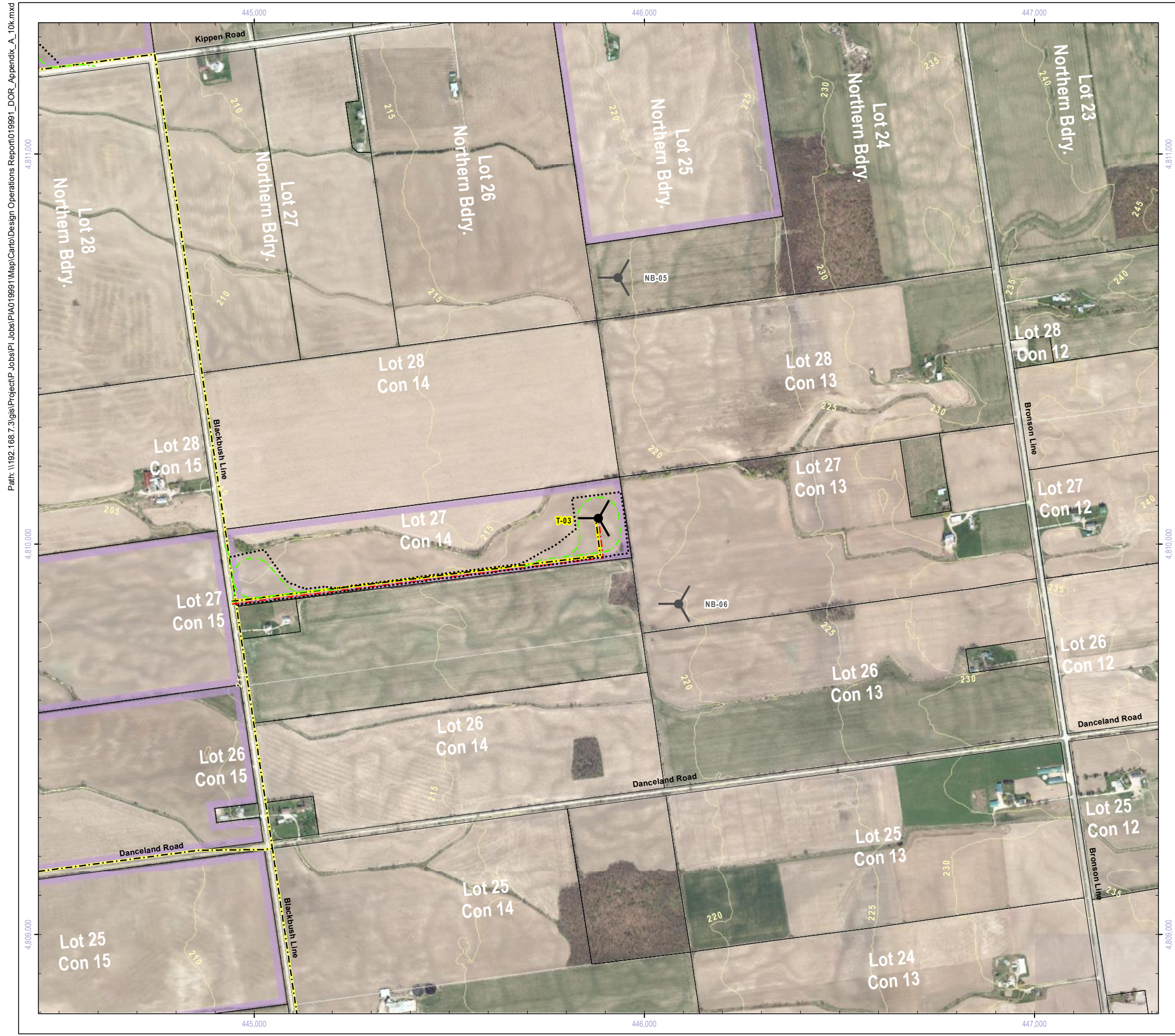
Siemens SWT-2.3-113 Turbine:
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

- 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 Engery Centre, December 2011.

- DATA SOURCES:
- County of Huron (including Imagery: 2010)
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Scale: 1:10,000
Date: 21 January 2013
Project Number: PIA019991





Appendix A Figure A3 Grand Bend Wind Farm Design and Operations Report

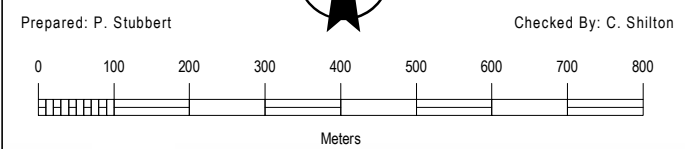
	Proposed Project Wind Turbine (Grand Bend Wind Farm)		Proposed Other Wind Turbine (NextEra Bluewater Wind Engery Centre)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

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

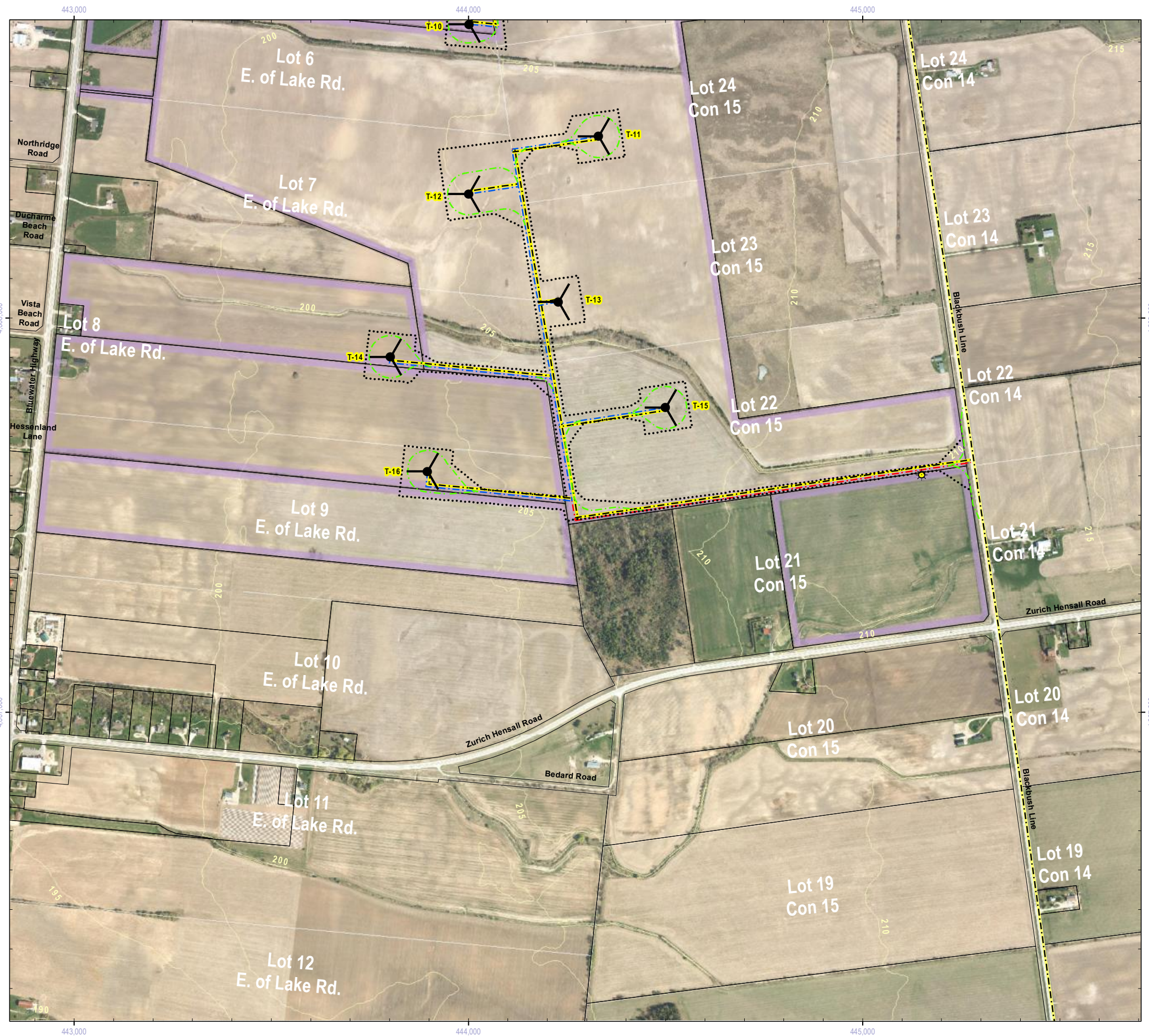
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
 - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Engery Centre, December 2011.

- 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: 1:10,000
Date: 21 January 2013
Project Number: PIA019991



Path: \\192.168.7.3\gis\Project\P_Jobs\PIA019991\Map\Carto\Design Operations Report\019991_DOR_Appendix_A_10k.mxd



Appendix A Figure A4

Grand Bend Wind Farm Design and Operations Report

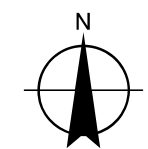
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	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

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

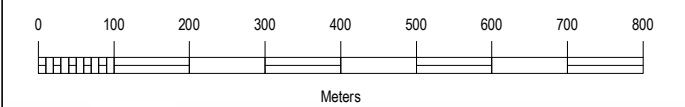
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
 - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Engery Centre, December 2011.

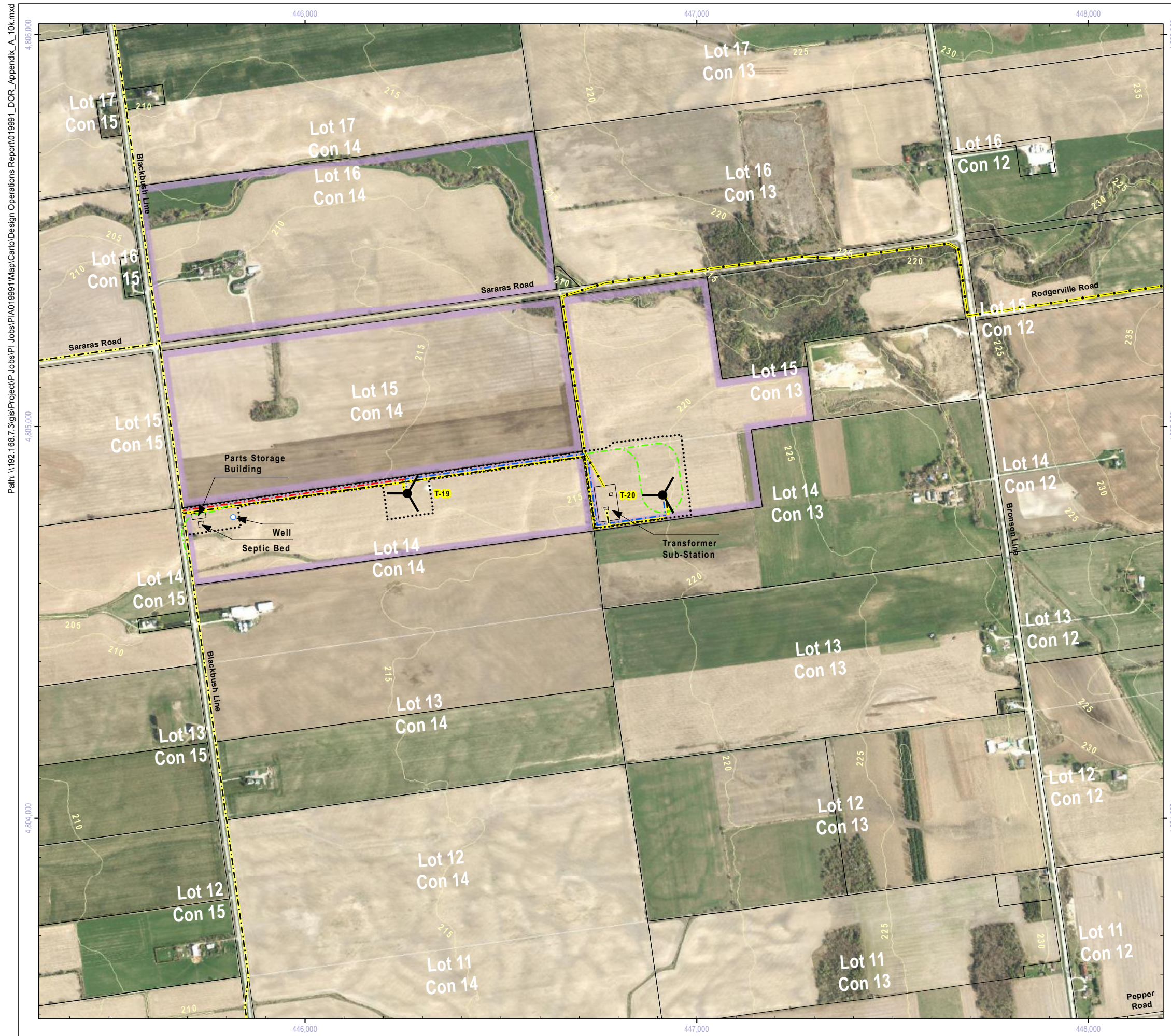
- DATA SOURCES:
- County of Huron (including Imagery: 2010)
 - Ministry of Natural Resources, © Queen's Printer for Ontario
 - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000
Date: 21 January 2013
Project Number: PIA019991



Prepared: P. Stubbert Checked By: C. Shilton





Appendix A Figure A5

Grand Bend Wind Farm Design and Operations Report

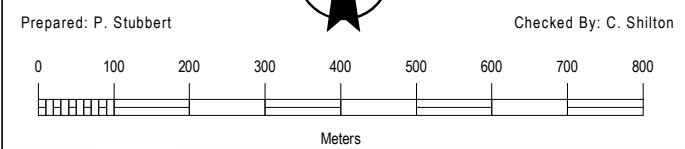
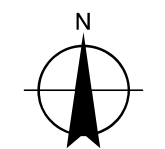
	Proposed Project Wind Turbine (Grand Bend Wind Farm)		Proposed Other Wind Turbine (NextEra Bluewater Wind Engery Centre)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

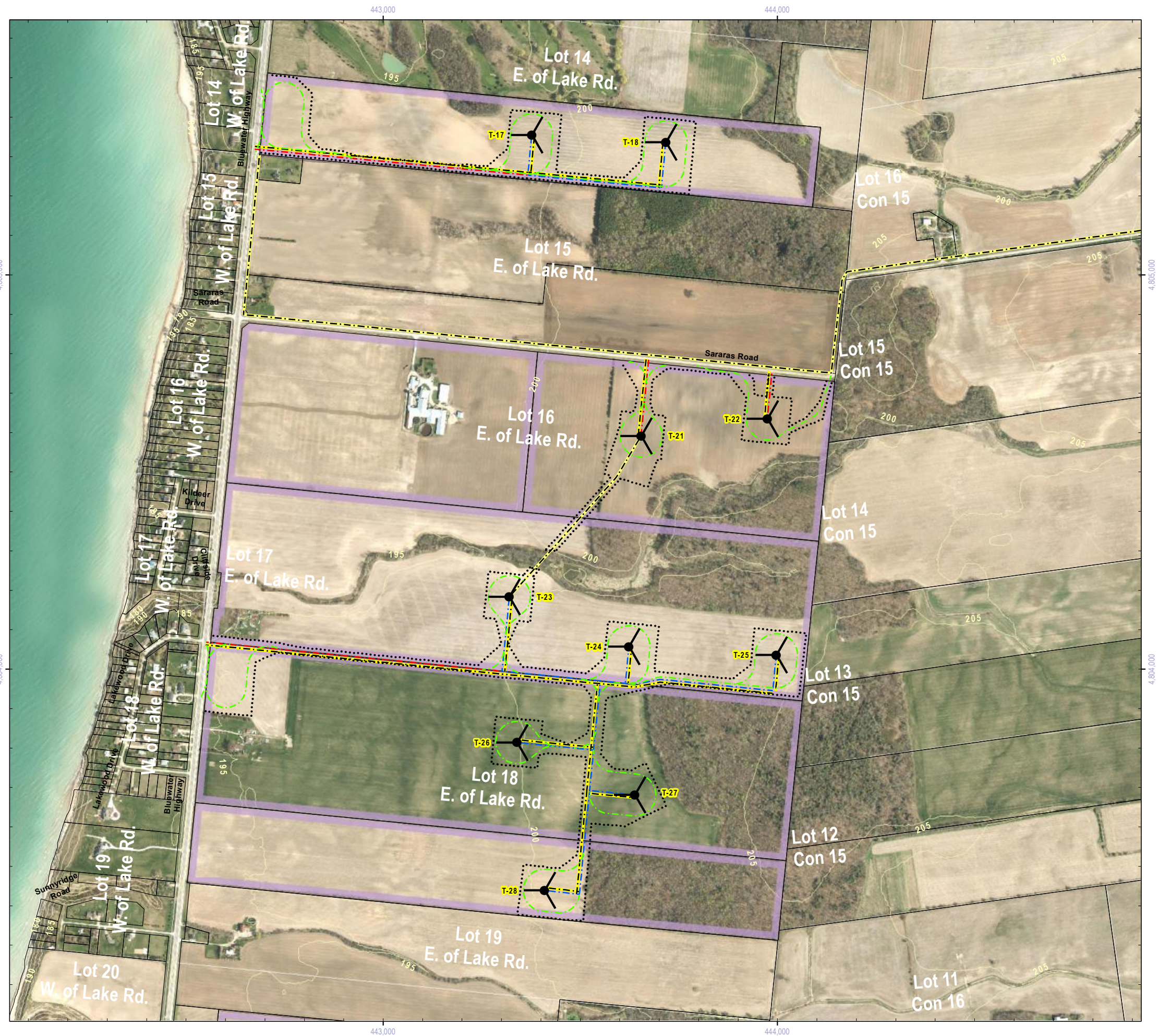
Siemens SWT-2.3-113 Turbine:
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

- 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 Engery Centre, December 2011.

- DATA SOURCES:
- County of Huron (including Imagery: 2010)
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 - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000
Date: 21 January 2013
Project Number: PIA019991





Appendix A Figure A6

Grand Bend Wind Farm Design and Operations Report

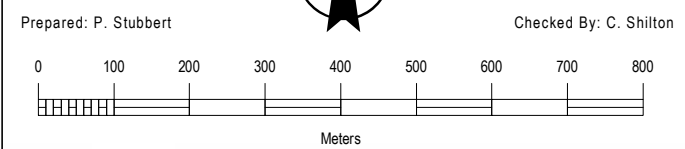
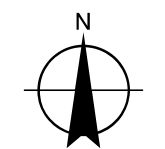
	Proposed Project Wind Turbine (Grand Bend Wind Farm)		Proposed Other Wind Turbine (NextEra Bluewater Wind Engery Centre)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

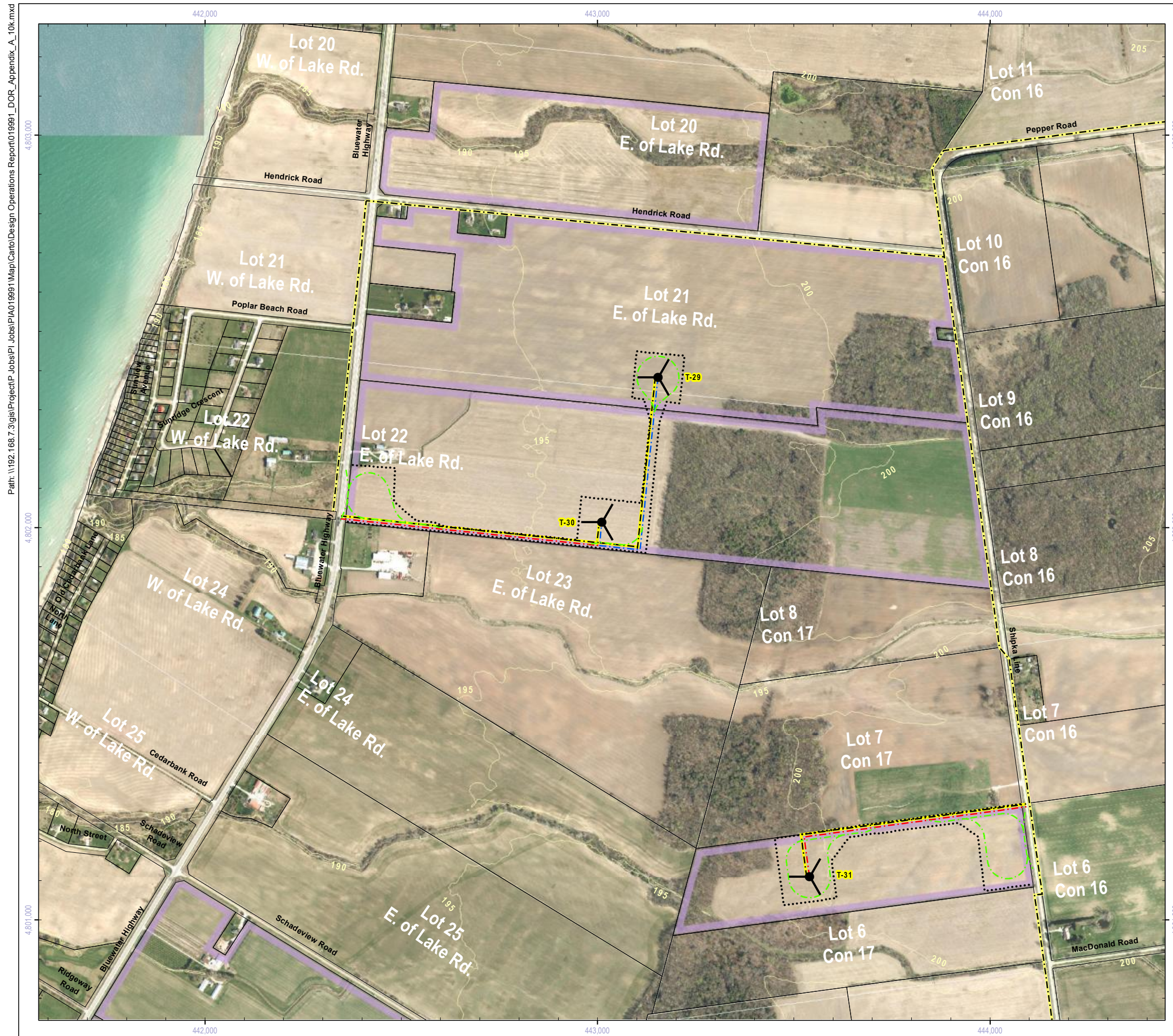
Siemens SWT-2.3-113 Turbine:
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

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 Engery 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: 24 January 2013
Project Number: PIA019991





Appendix A Figure A7

Grand Bend Wind Farm Design and Operations Report

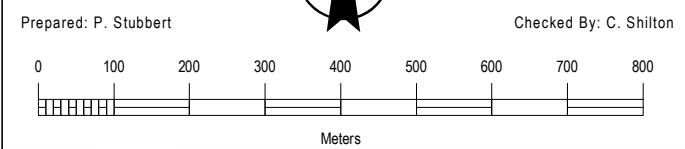
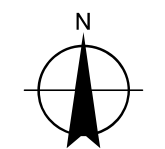
	Proposed Project Wind Turbine (Grand Bend Wind Farm)		Proposed Other Wind Turbine (NextEra Bluewater Wind Engery Centre)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

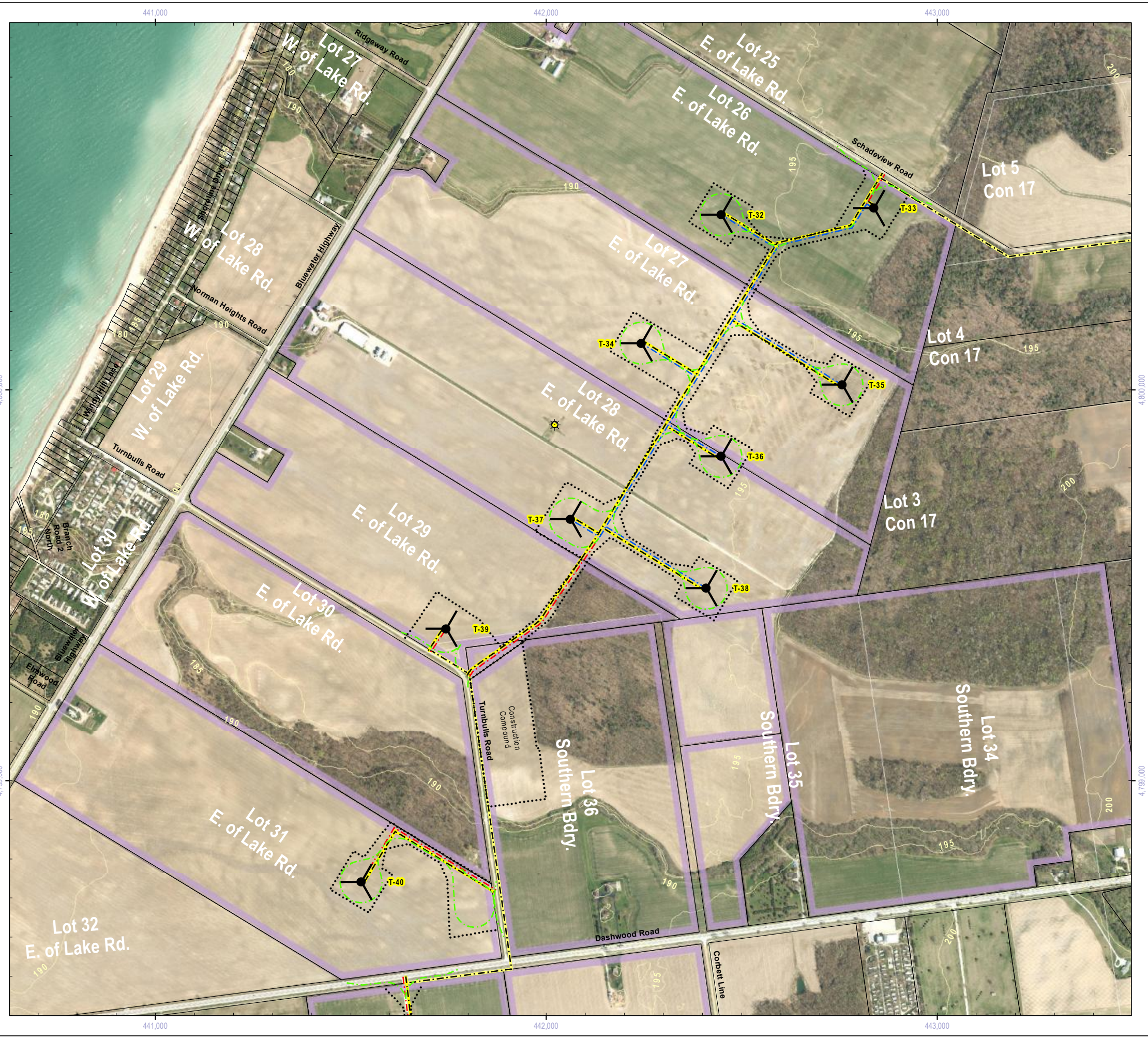
Siemens SWT-2.3-113 Turbine:
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

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 Engery Centre, December 2011.

DATA SOURCES:
1. County of Huron (including Imagery: 2010)
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3. Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000
Date: 21 January 2013
Project Number: PIA019991





Appendix A Figure A8

Grand Bend Wind Farm Design and Operations Report

	Proposed Project Wind Turbine (Grand Bend Wind Farm)		Proposed Other Wind Turbine (NextEra Bluewater Wind Engery Centre)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

Siemens SWT-2.3-113 Turbine:

Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

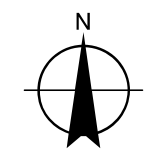
NOTES:

- 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 Engery Centre, December 2011.

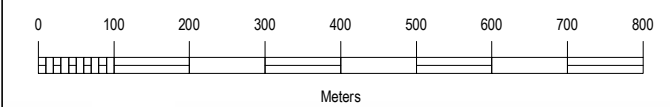
DATA SOURCES:

- County of Huron (including Imagery: 2010)
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Scale: 1:10,000
Date: 21 January 2013
Project Number: PIA019991



Prepared: P. Stubbart
Checked By: C. Shilton





Appendix A Figure A9

Grand Bend Wind Farm Design and Operations Report

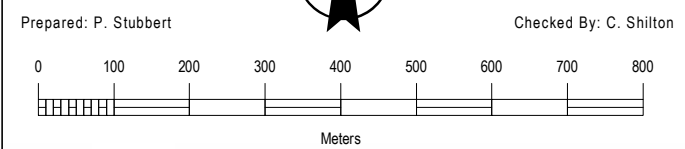
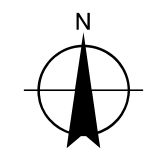
	Proposed Project Wind Turbine (Grand Bend Wind Farm)		Proposed Other Wind Turbine (NextEra Bluewater Wind Engery Centre)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

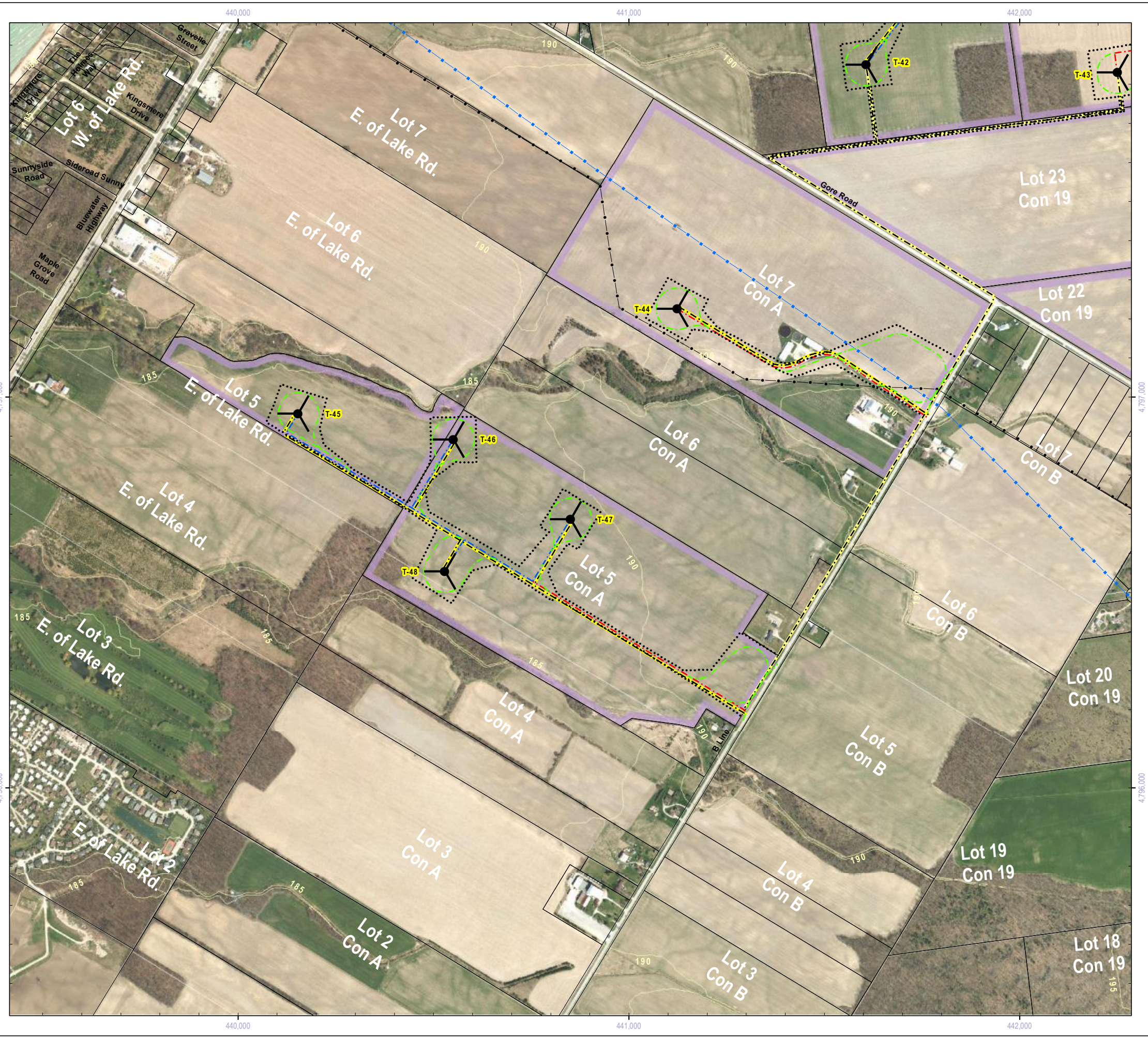
Siemens SWT-2.3-113 Turbine:
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

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 Engery Centre, December 2011.

DATA SOURCES:
1. County of Huron (including Imagery: 2010)
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Scale: 1:10,000
Date: 21 January 2013
Project Number: PIA019991





Appendix A Figure A10

Grand Bend Wind Farm Design and Operations Report

	Proposed Project Wind Turbine (Grand Bend Wind Farm)		Proposed Other Wind Turbine (NextEra Bluewater Wind Engery Centre)
	Permanent Access Road & Collector Line		Permanent Access Road (No Collector Line)
	Permanent Access Road Supporting Crane Crawling & Collector Line		Temporary Access Road (Removed After Construction)
	Transmission Line		Area of Construction on Private Land
	Collector Line		Participating Property
	Existing Transmission Line: Overhead		Building / Transformer Sub-Station / Switching Yard
	MET Tower		Contour (5m Interval)

Siemens SWT-2.3-113 Turbine:

Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

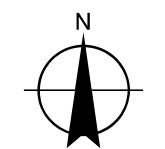
NOTES:

- 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 Engery Centre, December 2011.

DATA SOURCES:

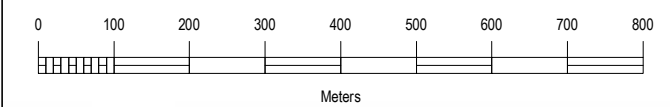
- County of Huron (including Imagery: 2010)
- Ministry of Natural Resources, © Queen's Printer for Ontario
- Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000
Date: 21 January 2013
Project Number: PIA019991



Prepared: P. Stubbart

Checked By: C. Shilton

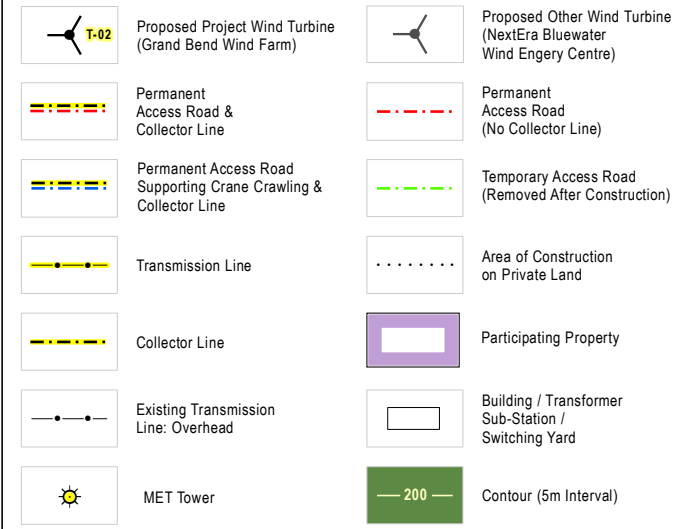




Appendix A

Figure A11

Grand Bend Wind Farm Design and Operations Report

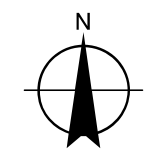


Siemens SWT-2.3-113 Turbine:
Base Diameter 4.2m | Hub Height 99.5m | Blade Length 55m

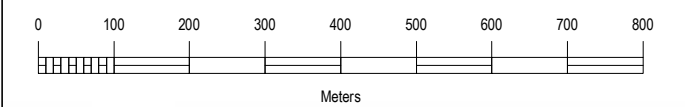
- NOTES:
- Reference the Figure 1 Key Map for location in the overall project area.
 - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

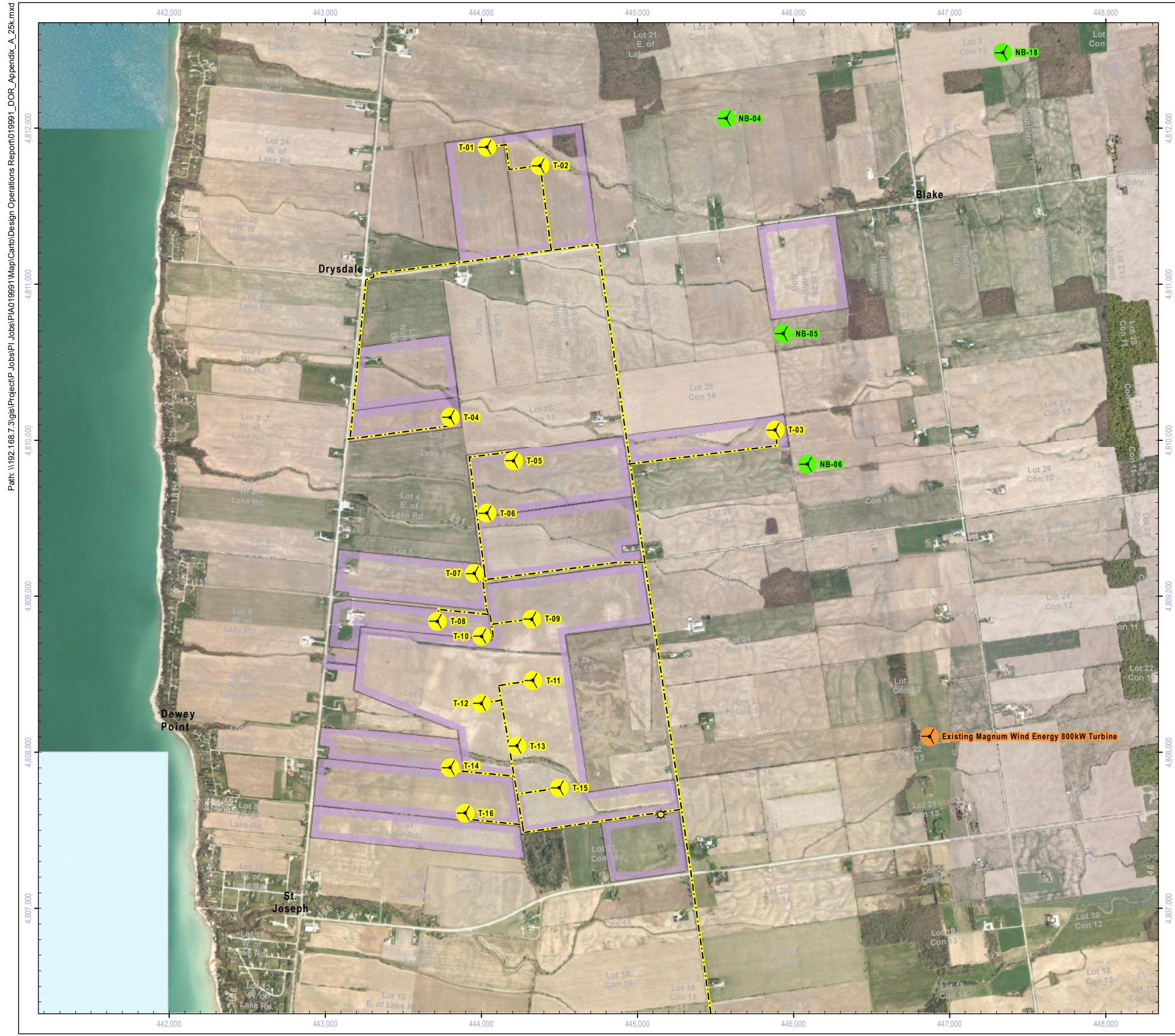
- DATA SOURCES:
- County of Huron (including Imagery: 2010)
 - Ministry of Natural Resources, © Queen's Printer for Ontario
 - Natural Resources Canada © Her Majesty the Queen in Right of Canada

Scale: 1:10,000
Date: 21 January 2013
Project Number: PIA019991



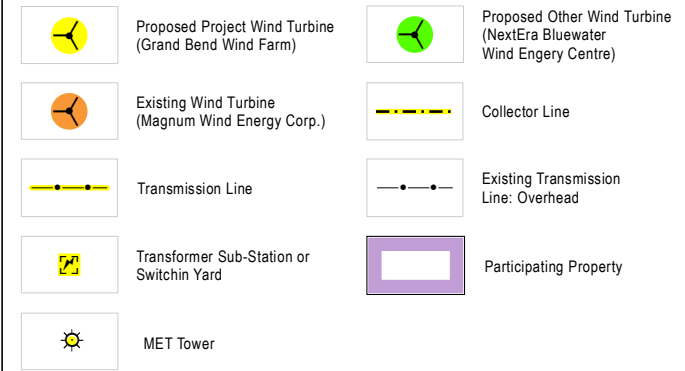
Prepared: P. Stubbert
Checked By: C. Shilton





Appendix A Figure A12

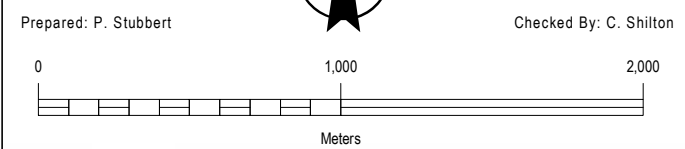
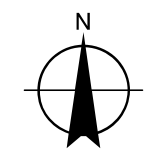
Grand Bend Wind Farm Design and Operations Report



- 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 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

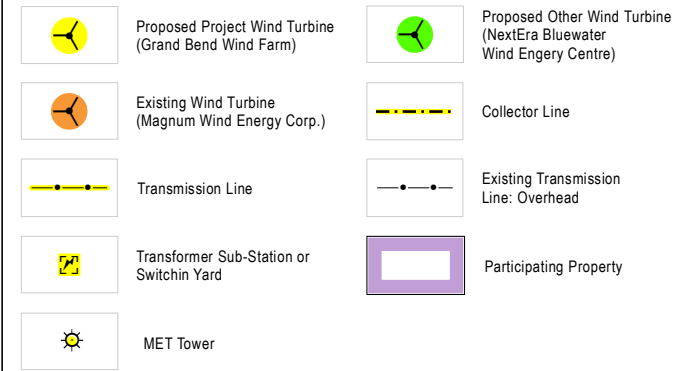
Scale: 1:25,000
Date: 16 January 2013
Project Number: PIA019991





Appendix A Figure A13

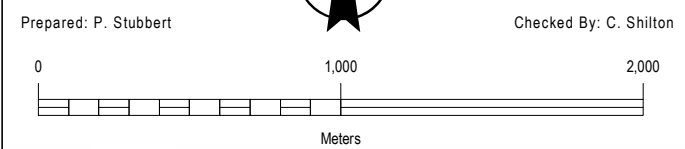
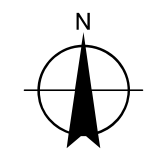
Grand Bend Wind Farm Design and Operations Report

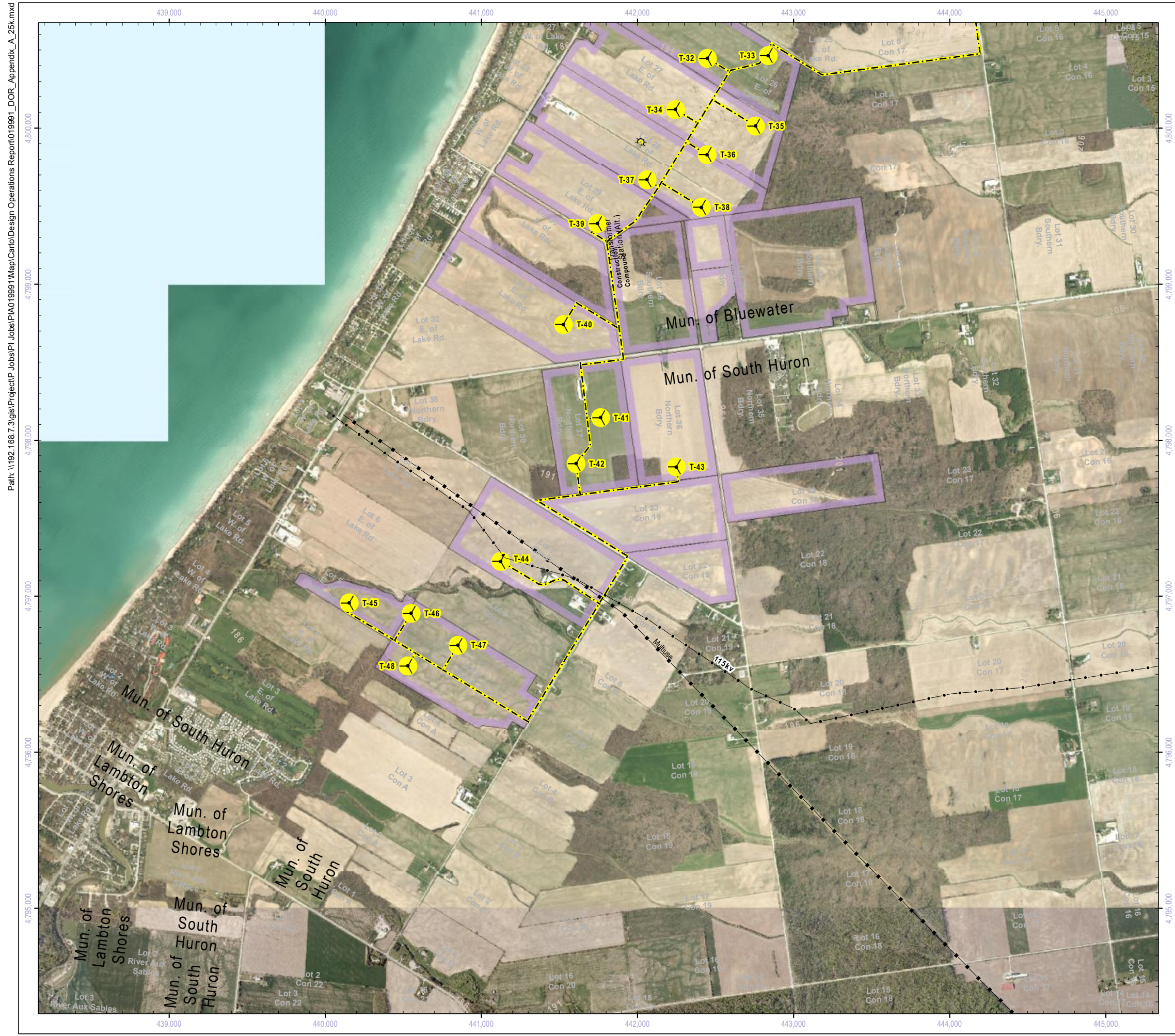


- NOTES:**
- Reference the Figure 1 Key Map for location in the overall project area.
 - NextEra Turbine Locations taken from the document DRAFT Site Plan - Bluewater Wind Energy Centre, December 2011.

- 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

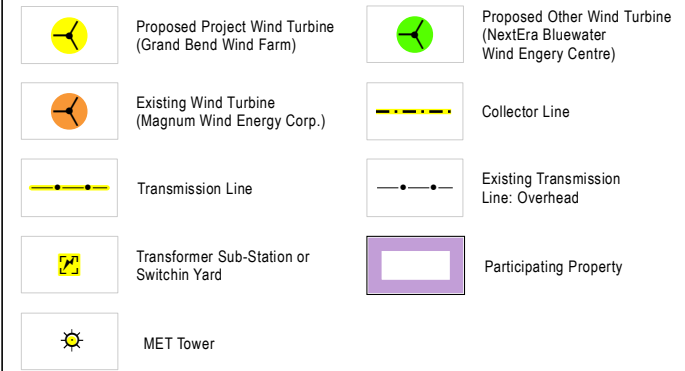
Scale: 1:25,000
Date: 16 January 2013
Project Number: PIA019991





Appendix A Figure A14

Grand Bend Wind Farm Design and Operations Report



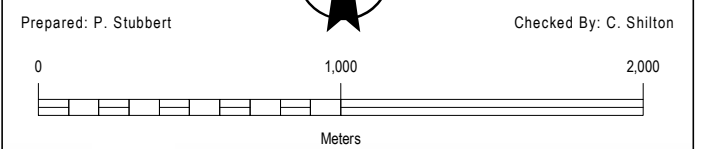
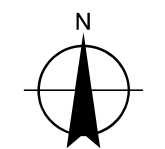
NOTES:

- 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

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Date: 16 January 2013
Project Number: PIA019991

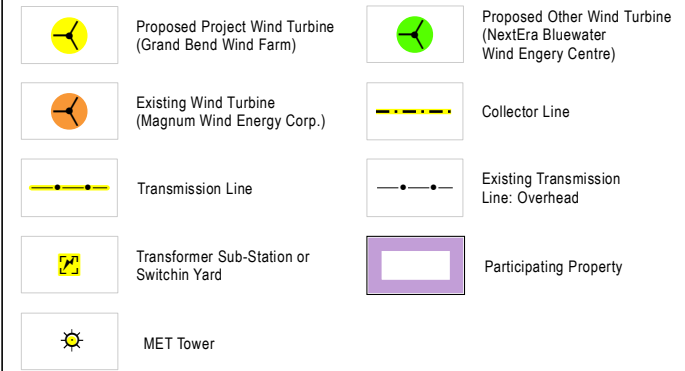


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Appendix A Figure A15

Grand Bend Wind Farm Design and Operations Report



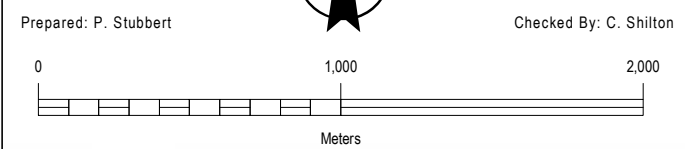
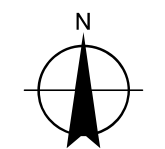
NOTES:

- Reference the Figure 1 Key Map for location in the overall project area.
- NextEra Turbine Locations taken from the document DRAFT Site Plan - 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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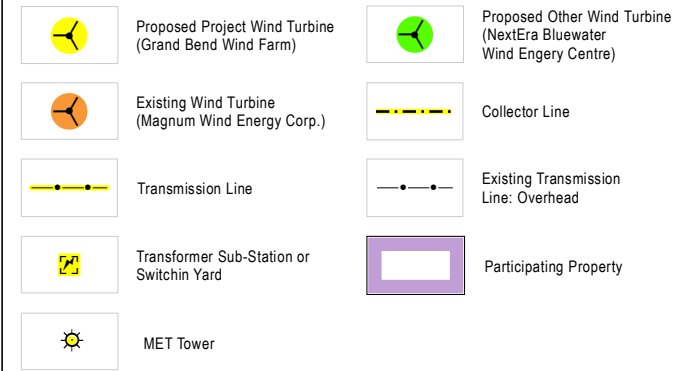
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Date: 16 January 2013
Project Number: PIA019991





Appendix A Figure A16

Grand Bend Wind Farm Design and Operations Report



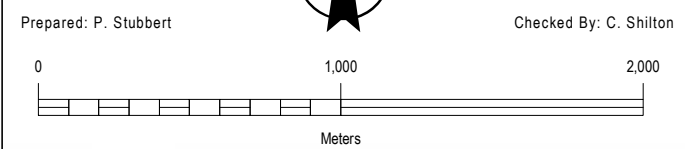
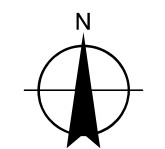
NOTES:

- 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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Scale: 1:25,000
Date: 16 January 2013
Project Number: PIA019991

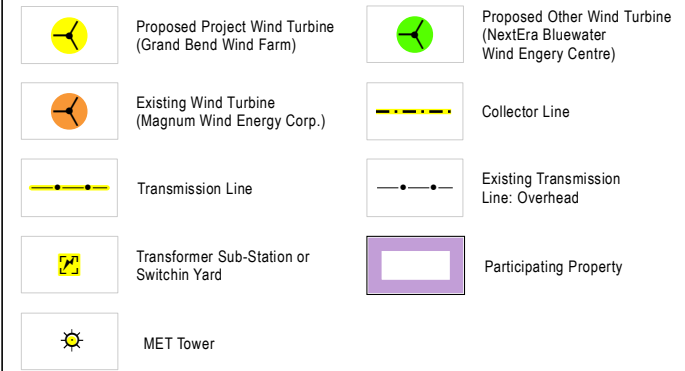


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Appendix A Figure A17

Grand Bend Wind Farm Design and Operations Report



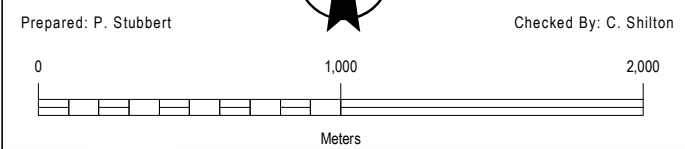
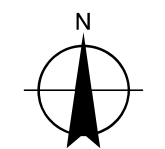
NOTES:

- 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.

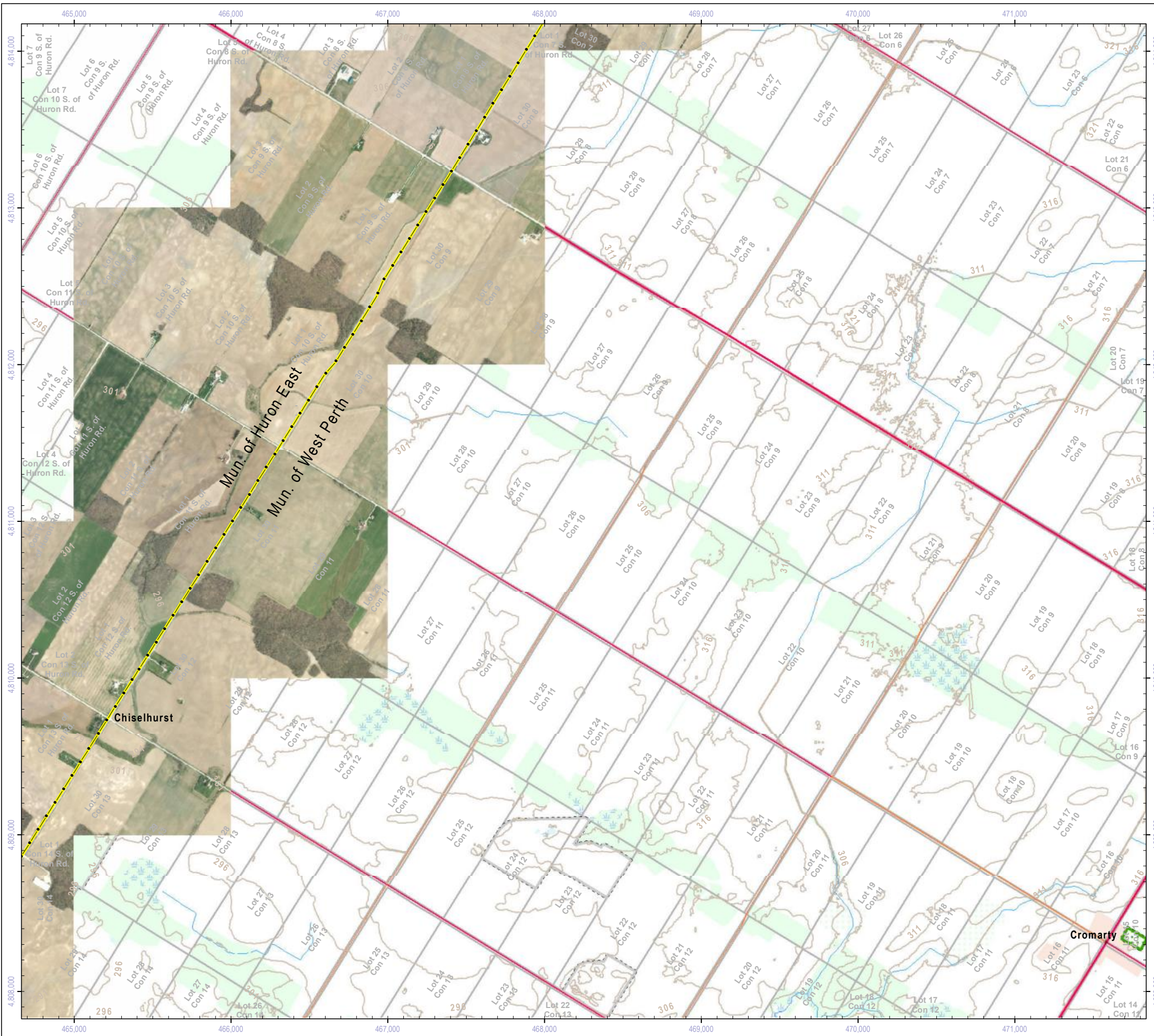
DATA SOURCES:

- County of Huron (including Imagery: 2010)
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Date: 16 January 2013
Project Number: PIA019991












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Appendix A Figure A18

Grand Bend Wind Farm Design and Operations Report

- | | | | |
|---|---|---|--|
|  | Proposed Project Wind Turbine
(Grand Bend Wind Farm) |  | Proposed Other Wind Turbine
(NextEra Bluewater
Wind Energy Centre) |
|  | Existing Wind Turbine
(Magnum Wind Energy Corp.) |  | Collector Line |
|  | Transmission Line |  | Existing Transmission
Line: Overhead |
|  | Transformer Sub-Station or
Switchin Yard |  | Participating Property |
|  | MET Tower | | |

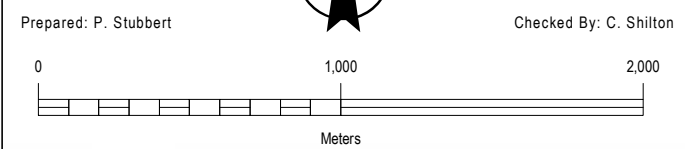
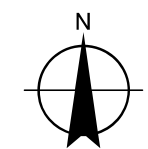
NOTES:

- 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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



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Date: 16 January 2013
Project Number: PIA019991





Appendix A Figure A19

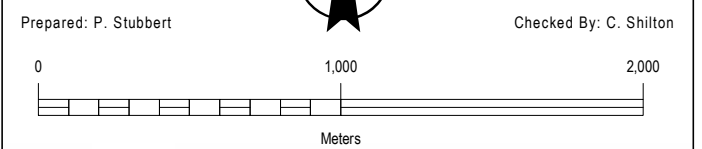
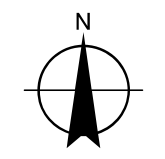
Grand Bend Wind Farm Design and Operations Report

- | | | | |
|---|--|---|--|
|  | Proposed Project Wind Turbine (Grand Bend Wind Farm) |  | Proposed Other Wind Turbine (NextEra Bluewater Wind Energy Centre) |
|  | Existing Wind Turbine (Magnum Wind Energy Corp.) |  | Collector Line |
|  | Transmission Line |  | Existing Transmission Line: Overhead |
|  | Transformer Sub-Station or Switching Yard |  | Participating Property |
|  | MET Tower | | |

- 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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