

Sunnidale Solar LP

Site Considerations Information
Edenvale Solar Project

Report

Sunnidale Solar LP

Site Considerations Information Edenvale Solar Project

Prepared by:

AECOM

215 – 55 Wyndham Street North

Guelph, ON, Canada N1H 7T8

www.aecom.com

519 763 7783 tel

519 763 1668 fax

Project Number:

60430686

Date:

August, 2015

Table of Contents

		page
1.	Introduction	1
1.1	Background	1
1.2	Purpose of Report.....	1
1.3	About BluEarth	1
2.	Project Description	1
2.1	The Site.....	2
2.2	Proposed Connection Line and Connection Point.....	2
3.	Site Considerations Information	3
4.	References	9

List of Tables

Table 1.	Site Considerations Information.....	4
----------	--------------------------------------	---

Appendices

Appendix A. Edenvale Solar Project – Site Consideration Mapping

- Map 1. Proposed Site, Connection Line and Connection Point
- Map 2. 5 Kilometre Study Area and Socio-economic / Built Heritage Considerations
- Map 3. 120 Metre Study Area and Environmental Considerations
- Map 4. Proposed Site and Abutting Properties

1. Introduction

1.1 Background

Sunnidale Solar LP, a subsidiary of BluEarth Renewables Inc. (“BluEarth”), is proposing to develop, construct, and operate the Edenvale Solar Project (“the Project”). The Project was acquired by BluEarth from Petawawa Renewable Power Corporation; a local Simcoe County based developer who performed the initial site assessment and stakeholder consultation. Petawawa Renewable Power Corporation will continue to support Project development efforts. The Project, as currently proposed, would provide up to 29 megawatts (“MW”) of solar photovoltaic energy generation in the Township of Clearview, Simcoe County.

The Project is being developed in response to the Independent Electricity System Operator (“IESO”) Request for Proposals for the Procurement of up to 565 MW of New Large Renewable Energy Projects (“LRP I RFP”). The LRP I RFP is a competitive procurement process for renewable energy projects generally with a generation capacity of over 500 kilowatts. Further information on the LRP I RFP can be found on the LRP website at www.ieso.ca/lrp.

In November 2014, BluEarth was selected as a Qualified Applicant under the LRP Request for Qualifications (“LRP RFQ”) process and therefore is eligible to submit proposal(s) under the LRP I RFP. BluEarth intends to register Sunnidale Solar LP as the Registered Proponent for the Project under the LRP RFP process, and subsequently submit the Project to the IESO in accordance with the LRP I RFP process in September 2015.

If in accordance with the LRP I RFP the Project is awarded a Large Renewable Procurement I Contract (“LRP Contract”), Sunnidale Solar LP would proceed to obtain all required approvals for the Project.

1.2 Purpose of Report

The purpose of this Site Considerations Report is to provide a detailed description of certain Project information gathered to date in accordance with the requirements of Section 3.2.6(b) of the IESO LRP I RFP. The information provided herein is in addition to community, stakeholder and Aboriginal engagement activities that the Project is undertaking.

1.3 About BluEarth

With offices in Calgary, AB and Guelph, ON, Canada, BluEarth is a private company focused on commercial scale renewable energy development. As an independent renewable power producer, BluEarth’s goal is to sustainably build, own, and operate wind, run-of-river hydroelectric, and solar generation projects across North America. BluEarth currently has 58 MW of hydro and solar facilities in operation, and has another 112 MW (83 net to BluEarth) of wind, with additional projects scheduled to go into operation in 2015. More information on BluEarth can be found at www.blueearth.ca.

2. Project Description

The project consists of two parts: the Site which includes the solar panels, racking, direct current (“DC”) electrical collection system, alternating current (“AC”) electrical system, inverters, transformer substation and associated infrastructure; and, the Connection Line which includes overhead or underground electrical line circuits, electrical connection equipment, and related electrical infrastructure required to connect the Site to the existing Hydro One Networks Inc. (“HONI”) distribution system.

2.1 The Site

During the completion of initial project activities, an area was reviewed to determine the suitability for the installation of solar generation infrastructure, including solar panel arrays, related equipment and access roads. The proposed Site will be located on private lands in the northeast area of the Township of Clearview, Simcoe County, generally bounded by Highway 26 to the north of the Site Sideroad 12 & 13 to the west and Sideroad 15 & 16 to the east. The proposed Site was selected based on site considerations information collected during development of the Project, the availability of solar resources, availability of existing infrastructure to connect to the electrical grid and interest of the landowners in hosting the Project. The proposed Site, including co-ordinates of the Site external boundaries, is illustrated on **Map 1**.

The proposed Site covers an area of approximately 220 hectares (544 acres) and is situated on two private properties, one of which also hosts the Edenvale Aerodrome. The use of the proposed Site for Solar energy development is compatible with the Official Plan land use designation and the two properties where the Site is located are zoned as Commercial “MA” – Airport Industrial and are not within a prime agricultural area. The proposed Site is anticipated to be sufficient for the construction and operation of the Project and the areas where infrastructure is proposed to be located within the Site are identified on **Map 1**. The specific location of key features of the Project such as access roads, internal driveways, generating equipment, structures, transformers, inverters and communications will be developed as detailed design proceeds and will be made available for review at a later date. The proposed Site is located south of the proposed Connection Line and Connection Point, which are both described in **Section 2.2** below and also illustrated on **Map 1**.

The final location of the proposed Site will continue to be developed through consultation and engagement with local stakeholders, First Nations and government agencies such as Township of Clearview, Nottawasaga Valley Conservation Authority (“NVCA”), Ministry of Natural Resources and Forestry (“MNRF”), Ministry of Tourism, Culture and Sport (“MTCS”), and the Ministry of Environment and Climate Change (“MOECC”).

2.2 Proposed Connection Line and Connection Point

Similar to the proposed Site, an area for the proposed Connection Line and Connection Point was reviewed during initial consideration of the proposed Site. The proposed Connection Line travels along Sideroad 12 & 13, due north from the proposed Site boundary south of Highway 26, to the Connection Point, generally to be located at the intersection of Sunnidale Concession 12 and Sideroad 12 & 13.

The exact location of the connection point has not been confirmed at this time, but is proposed to be located within the Connection Point Site Area, as defined on **Map 1**. The Connection Point is proposed at an existing distribution line running parallel with Sunnidale Concession 12. The Connection Line is proposed to be installed within the road right-of-way, and will involve the installation of electrical line circuits either overhead or underground. The proposed Connection Line, Connection Point and Connection Point Site Area, including co-ordinates of the proposed Connection Point as well as the proposed length of the Connection Line, are illustrated on **Map 1**.

The final location of the Connection Line and Connection Point will be refined through technical studies, consultation HONI and engagement with stakeholders, First Nations and government agencies such as Township of Clearview, NVCA, MNRF, MTCS and the MOECC.

3. Site Considerations Information

The IESO LRP I RFP outlines that Registered Proponents must provide detailed maps and background reports, sources and materials for site considerations within and in close proximity to the proposed Site, Connection Line and Connection Point. To complete this analysis, publicly available data and secondary sources were examined to identify political jurisdictional boundaries surrounding the proposed Project to identify the presence or absence of features such as highways, railroad lines, agricultural land, and infrastructure features such as airports and aerodromes. The mapping was completed using Geographic Information Systems (“GIS”) mapping software by using the following datasets: Land Information Ontario (“LIO”); the mapping body of the MNRF; and Environment Canada’s Canadian Weather Stations Data.

The requirements of the IESO LRP I RFP Section 3.2.6 (b) (i) for Site Considerations Information and the results of the research undertaken are provided in **Table 1** below. Each requirement has also been mapped and Figures are included in Appendix A of this report.

The figures provided in Appendix A, prepared to satisfy the requirements of Section 3.2.6 (b) (i) are as follows:

- Map 1** Proposed Site, Connection Line and Connection Point
- Map 2** 5 kilometre Study Area and Socio-economic / Built Heritage Considerations
- Map 3** 120 metre Study Area and Environmental Considerations
- Map 4** Proposed Site and Abutting Properties

Table 1. Site Considerations Information

IESO Reference Number	IESO Requirement	Detail	Reference	Map Location
3.2.6(b)(i)(1)	<ul style="list-style-type: none"> Location of the Site and if the Site is constituted by more than one (1) non-contiguous Properties, a scale map showing the outer boundary of the entire Site must be included. 	<ul style="list-style-type: none"> The proposed Site is located southwest of the intersection of Highway 26 and Sideroad 15 & 16, within the Township of Clearview. Map 1 provides a scale map showing the boundaries of the entire Site. 	<i>LIO Base Mapping Layers</i>	Map 1
3.2.6(b)(i)(2)	<ul style="list-style-type: none"> Location of the proposed Connection Line and Connection Point, showing the length of the proposed Connection Line, the GPS co-ordinates for the Site and the Connection Point, and any other TS (or associated feeder) or the Circuit connected to the IESO-Controlled Grid that is closer in geographic proximity to the Site than the proposed Connection Point. 	<ul style="list-style-type: none"> The proposed Connection Line is located adjacent to Sideroad 12 & 13, extending north of Highway 26 to Sunnidale Concession 12. The length of the proposed Connection Line is approximately 3,268 m. GPS co-ordinates for the boundary of the proposed Site and Connection Point are included on Map 1. 	<i>LIO Base Mapping Layers</i>	Map 1
3.2.6(b)(i)(3)	<ul style="list-style-type: none"> To the extent available, proposed location of key features of the Project such as access roads, internal driveways, generating equipment, structures, transformer, inverters and communications towers. 	<ul style="list-style-type: none"> The area where Project infrastructure is proposed to be located within the Site is identified on Map 1 as the "Proposed Location of Solar Project". The specific location of key features of the Project such as access roads, internal driveways, generating equipment, structures, transformers, inverters and communications will be developed as detailed design proceeds and will be made available for review at a later date. 	<i>LIO Base Mapping Layers</i>	Map 1
3.2.6(b)(i)(4)	<ul style="list-style-type: none"> Boundaries of any municipality and Unorganized Territory in which the Site or the proposed Connection Line is to be located, in whole or in part, including the identity of each such municipality and, if applicable, Unorganized Territory. 	<ul style="list-style-type: none"> The proposed Site is located in the lower-tier municipality of the Township of Clearview, within the upper-tier municipality of Simcoe County. The boundary of and a label for the Township of Clearview and the County of Simcoe has been included in Map 2. 	<i>LIO Base Mapping Layers</i>	Map 2
3.2.6(b)(i)(5)	<ul style="list-style-type: none"> Boundaries of any First Nation Lands on which the Site or the proposed Connection Line is to be located, in whole or in part, including the identity of the First Nation Lands and the corresponding First Nation Community. 	<ul style="list-style-type: none"> The proposed Site and Connection Line are not within boundaries of any First Nation Lands. As a result no First Nation Lands have been identified on any of figures provided in Appendix A. 	<i>LIO Base Mapping Layers</i>	N/A
3.2.6(b)(i)(6)	<ul style="list-style-type: none"> Boundaries of any geographic township in which the Project or the proposed Connection Line is to be located, in whole or in part, including the identity of each such geographic township. 	<ul style="list-style-type: none"> The proposed Site, Connection Line and Connection Point are located in the lower-tier municipality of the Township of Clearview and upper-tier municipality of Simcoe County. The proposed Site and Proposed Connection Line also overlaps the historic graphic township of Sunnidale. The boundary of this historic township was located to the east of the Proposed Site boundary. 	<i>LIO Base Mapping Layers</i>	N/A
3.2.6(b)(i)(7)	<ul style="list-style-type: none"> Any "highway" crossing or located within five kilometres of the Site or the proposed Connection Line, including the location, name and number of each such highway. 	<ul style="list-style-type: none"> The only major highway located in proximity to the proposed Site and Connection Line is Provincial Highway 26, which is located north of the LRP Site and is intersected by the proposed Connection Line at Sideroad 12 & 13. 	<i>LIO Base Mapping Layers</i>	Map 2

Table 1. Site Considerations Information

IESO Reference Number	IESO Requirement	Detail	Reference	Map Location
3.2.6(b)(i)(8)	<ul style="list-style-type: none"> Any “railway” crossing or located within five kilometres of the Site or the proposed Connection Line, including the location and name of each such railway. 	<ul style="list-style-type: none"> There are no railways or railway crossings within 5 km of the proposed Site or Connection Line. 	<i>LIO Base Mapping Layers</i>	N/A
3.2.6(b)(i)(9)	<ul style="list-style-type: none"> Any national park, provincial park or conservation reserve located within 120 metres of the Site or the proposed Connection Line, including the location and name of each such park or conservation reserve. 	<ul style="list-style-type: none"> There are no national or provincial parks or conservation reserves within 120 m of the Site or the proposed Connection Line. As a result no national or provincial parks or conservation areas appear on the figures provided in Appendix A. 	<i>LIO Base Mapping Layers</i>	N/A
3.2.6(b)(i)(10)	<ul style="list-style-type: none"> Any airports, aerodromes and weather radars located within five kilometres of the Site or the proposed Connection Line, including the location and name of each such airport, aerodrome and weather radar. 	<ul style="list-style-type: none"> The New Lowell Airport is located just over five km south of the Project Site and Connection Line, north of Sunnidale Concession 6. The Edenvale Aerodrome is located within the proposed Site. The location of airports and aerodromes within 5 km of the proposed Site or Connection Line are included on Map 2. There are no weather radar stations within 5 km of the proposed Site or Connection Line. 	<p><i>Edenvale Aerodrome Website</i></p> <p><i>Google Maps</i></p> <p><i>LIO Base Mapping Layers</i></p> <p><i>Government of Canada. Weather Radar – Ontario.</i></p>	Map 2
3.2.6(b)(i)(11)	<ul style="list-style-type: none"> Property boundaries for each property on which the Site and/or Connection Line is located, and each property that abuts property on which the Site and/or the Connection Line is located. 	<ul style="list-style-type: none"> The proposed Site is located on two private properties; in addition, there are private properties abutting the proposed site, primarily along the northern and southern property boundaries. The boundaries for each property on which the Site is located, and each property that Abuts these properties are identified on Map 4. The proposed Connection Line is located adjacent to Sideroad 12 & 13, with private properties located adjacent to the east and west of the proposed Connection Line. The boundaries for the properties that abut the location of the proposed Connection Line are identified on Map 4. 	<p><i>Township of Clearview. GIS Interactive Map.</i></p> <p><i>Simcoe County. Interactive Map.</i></p>	Map 4
3.2.6(b)(i)(12)	<ul style="list-style-type: none"> Identify any permanent known water body located within 120 metres of the Site or proposed Connection Line, including the location and, if applicable, the common name associated with the permanent known water body. 	<ul style="list-style-type: none"> Nottawasaga Valley Conservation mapping indicates there are four (4) tributaries to the Nottawasaga River, within the Lower Nottawasaga River watershed, within 120 m of the Proposed Site and Connection Line. Two (2) tributaries are located within the Site (Tributary of Nottawasaga River and Franks-Hood Drain) and three (3) tributaries fall across the proposed Connection Line (Tributary of Nottawasaga River and Tributary of the 13th Concession Drain (two (2) crossings)). The location and names of these features have been included on Map 3. 	<p><i>Nottawasaga Valley Conservation Authority. Lower Nottawasaga River 2013 Subwatershed Health Check</i></p> <p><i>LIO Base Mapping Layers</i></p>	Map 3

Table 1. Site Considerations Information

IESO Reference Number	IESO Requirement	Detail	Reference	Map Location
3.2.6(b)(i)(13)	<ul style="list-style-type: none"> • if the Large Renewable Project is to utilize On-Shore Wind as its Renewable Fuel: <ul style="list-style-type: none"> i. the location of any other Renewable Generating Facilities that utilize On-Shore Wind as a Renewable Fuel that have been constructed and are located within five (5) kilometres of the Site clearly identifying the location of each turbine; and ii. the location of the project site boundary for any proposed but unconstructed Renewable Generating Facilities that utilize On-Shore Wind as a Renewable Fuel that are located within five (5) kilometres of the Site and which have received a Renewable Energy Approval as indicated at www.ontario.ca/environment-andenergy/renewable-energy-projects-listing; 	<ul style="list-style-type: none"> • Not applicable to solar development. 	<p><i>Not Applicable</i></p>	<p>N/A</p>
3.2.6(b)(i)(14)	<ul style="list-style-type: none"> • If the Project is to be located on provincial Crown lands (in whole or in part): <ul style="list-style-type: none"> i. the boundaries of each Property on which the Site is located, and that Abuts the Property on which the Site is located; and ii. every Provincial Crown Land Lease located on a Property on which the Site is located, and that Abuts the Property on which the Site is located. 	<ul style="list-style-type: none"> • The proposed Site and Connection Line are not sited on provincial Crown lands 	<p><i>LIO Base Mapping Layers</i></p>	<p>N/A</p>
3.2.6(b)(i)(15)	<ul style="list-style-type: none"> • if the Large Renewable Project or the proposed Connection Line is to be located: <ul style="list-style-type: none"> i. within a Natural Heritage Information Centre one (1) kilometre grid square which contains an “Endangered” or “Threatened” species observation record (protected pursuant to the Endangered Species Act, 2007, SO 2007, c 6); 	<ul style="list-style-type: none"> • Using the Make-a-map: Natural Heritage Areas Application it was determined that NHIC one (1) km grid square records indicate no recent (within 20 years) records for Endangered or Threatened species. Historic records include Northern Bobwhite (1890) and Cerulean Warbler (1974). There is also one Restricted record listed within 1 km of the proposed Connection Line. • It should also be noted that the Ontario Breeding Bird Atlas (OBBA) shows records for a number of Threatened species within the 10 km grid square overlapping the Site and Connection Line, including: Whip-poor-will, Bank Swallow, Barn Swallow, Cerulean Warbler, Bobolink, Eastern Meadowlark, and Least Bittern. 	<p><i>Cadman, M.D., D.A. Sutherland, G.G. Beck, D. Lepage and A.R. Couturier (eds.), 2007: Atlas of the Breeding Birds of Ontario, 2001-2005. Bird Studies Canada, Environment Canada, Ontario Field Ornithologists, Ontario Ministry of Natural Resources, and Ontario Nature, Toronto, xxii + 706 pp.</i></p> <p><i>Committee on the Status of Endangered Wildlife in Canada (COSEWIC), 2015: Wildlife Species Search</i></p> <p><i>Ontario Ministry of Natural Resources and Forestry (OMNRF): Wildlife Species Search Database</i></p> <p><i>Ontario Ministry of Natural Resources and Forestry (OMNRF), 2015: Species at Risk in Ontario List. © Queen’s Printer for Ontario 2012-2015.</i></p>	<p>N/A</p>

Table 1. Site Considerations Information

IESO Reference Number	IESO Requirement	Detail	Reference	Map Location
			<i>Ontario Ministry of Natural Resources and Forestry (OMNRF), 2015: Natural Heritage Information Centre (NHIC) Make a Map: Natural Heritage Areas. © Queen’s Printer for Ontario, 2014.</i>	
	ii. within one hundred and twenty (120) metres of a provincially significant area of natural and scientific interest;	<ul style="list-style-type: none"> There are no areas of natural and scientific interest located within 120 m of the Site or the proposed Connection Line. 	<i>LIO Base Mapping Layers</i>	N/A
	iii. within one hundred and twenty (120) metres of a known provincially significant wetland;	<ul style="list-style-type: none"> There are no provincially significant wetlands within 120 m of the Site. The Jacks Lake Complex Provincially Significant Wetland is within 120 m of the proposed Connection Line. The location of this wetland is shown on Map 3. 	<i>LIO Base Mapping Layers</i>	Map 3
	iv. within or Abutting an area designated in the plan approved under the Niagara Escarpment Planning and Development Act, the plan approved under the Oak Ridges Moraine Conservation Act, 2011 and O. Reg. 142/02, the plan approved under the Greenbelt Act, 2005, and the Lake Simcoe watershed (as defined in the Lake Simcoe Protection Act, 2008); and	<ul style="list-style-type: none"> The Site and proposed Connection Line are not within 120 m of any of these designated areas. 	<p><i>Niagara Escarpment Commission (NEP), 2015: Niagara Escarpment Plan Maps. Ontario Ministry of Municipal Affairs and Housing (MMAH), 2011: Maps of the Oak Ridges Moraine. Queen’s Printer for Ontario, 2015</i></p> <p><i>Friends of the Greenbelt Foundation, 2015 Ministry of Environment and Climate Change (MOECC). 2009. Lake Simcoe Protection Plan. © Queen’s Printer for Ontario, 2009.</i></p> <p><i>LIO Base Mapping Layers</i></p>	N/A
	v. within or Abutting a recognized heritage resource (including Properties protected under the Ontario Heritage Act, RSO 1990, c O.18, Properties included on a list or register of heritage resources maintained by the Municipality, Properties that are the subject of a local or provincial plaque, or Properties that are set aside as a national historic site of Canada under Section 42 of the Canada National Parks Act, SC 2000, c 32).	<ul style="list-style-type: none"> There are two (2) properties identified as having heritage attributes that are determined to have cultural heritage value or interest according to the criteria laid out in Ontario Regulation (O.Reg.) 9/06 and established by the Township of Clearview. These properties are located at 5403 Highway 26 and 1180 Sunnidale Sideroad 15/16. Specifically, these heritage attributes include the East-West runway and a bunker that are directly associated with the Royal Canadian Airforce Relief Training Field. No.1, used during World War II and with Camp Borden, used as a transmission station during the Cold War, respectively. The location of these two heritage attributes are identified on Map 2. Review of desktop sources identified a number of cultural heritage resources within close proximity of the proposed Site and Connection Line, The location of identified resources are included in Map 2. <ul style="list-style-type: none"> No plaques were identified on the Ontario Heritage Trust Online Plaque Guide. One place was identified through the Canadian Register of Historic Places: Glengarry Landing. 	<p><i>Archaeological Research Associates Ltd.: Cultural Heritage Impact Assessment - Edenvale Solar Project, 2015.</i></p> <p><i>Ontario Genealogical Society. Unregistered Cemeteries.</i></p> <p><i>Ontario Government, Ministry of Government and Consumer Services. Consumer Protection Branch.</i></p> <p><i>Ontario Heritage Trust. Online Plaque Guide.</i></p> <p><i>Parks Canada. Canada’s Historical Places.</i></p> <p><i>Parks Canada. Directory of Federal Heritage Designations</i></p>	Map 2

Table 1. Site Considerations Information

IESO Reference Number	IESO Requirement	Detail	Reference	Map Location
		<ul style="list-style-type: none"> ▪ No resources were identified in a search of the Federal Plaques and National Historic Sites through the Parks Canada website ▪ No registered cemeteries are located near the proposed Project Site or Connection Line, however one unregistered cemetery, called Sunnidale Pioneer Cemetery is located west of the proposed Site, near Sunnidale Corners, according to a search of the Ontario Genealogical Society database. 		

4. References

Archaeological Research Associates Ltd.:

Cultural Heritage Impact Assessment - Edenvale Solar Project, 2015.

Cadman, M.D., D.A. Sutherland, G.G. Beck, D. Lepage and A.R. Couturier (eds.), 2007:

Atlas of the Breeding Birds of Ontario, 2001-2005. Bird Studies Canada, Environment Canada, Ontario Field Ornithologists, Ontario Ministry of Natural Resources, and Ontario Nature, Toronto, xxii + 706 pp.

Committee on the Status of Endangered Wildlife in Canada (COSEWIC), 2015:

Wildlife Species Search. Retrieved at http://www.cosewic.gc.ca/eng/sct1/index_e.cfm [June 22, 2015].

Edenvale Aerodrome:

Retrieved at <http://www.edenflight.com/> [June 22, 2015].

Friends of the Greenbelt Foundation, 2015:

Maps. Retrieved at <http://www.greenbelt.ca/maps> [June 22, 2015].

Google Maps:

Location of New Lowell Airport. <https://www.google.ca/maps/place/New+Lowell+Airport/@44.4131217,-79.976774,13z/data=!4m2!3m1!1s0x882a8fbfc3bf6a15:0x2e189cce6340103>, June 22, 2015].

Government of Canada:

Weather Radar – Ontario. Retrieved at http://weather.gc.ca/radar/index_e.html?id=ONT [June 22, 2015]

Ministry of Environment and Climate Change (MOECC), 2009:

Lake Simcoe Protection Plan. © Queen's Printer for Ontario, 2009. Retrieved at <http://www.ontario.ca/environment-and-energy/lake-simcoe-protection-plan> [June 22, 2015]

Natural Resource Solutions Inc. (NRSI):

Edenvale Solar Project, Critical Issues Analysis and Site Investigation Summary, June 25, 2015.

Niagara Escarpment Commission (NEP), 2015:

Niagara Escarpment Plan Maps. © Queen's Printer for Ontario, 2015. Retrieved at <http://www.escarpment.org/landplanning/planmaps/index.php> [June 22, 2015].

Nottawasaga Valley Conservation Authority (NVCA), 2013:

Lower Nottawasaga River 2013 Subwatershed Health Check. <http://www.nvca.on.ca/Pages/Watershed-Health-Checks.aspx> [June 22, 2015].

Ontario Genealogical Society (OGS):

Unregistered Cemeteries. Retrieved at http://www.ogs.on.ca/unreg_cemeteries.php [August 17, 2015]

Ontario Government, Ministry of Government and Consumer Services (MGS):

Consumer Protection Branch. Retrieved at <https://www.consumerbeware.mgs.gov.on.ca/esearch/start.do> [August 17, 2015]

Ontario Heritage Trust (OHT):

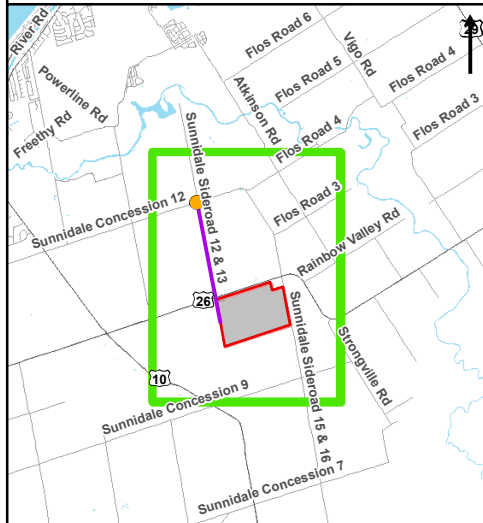
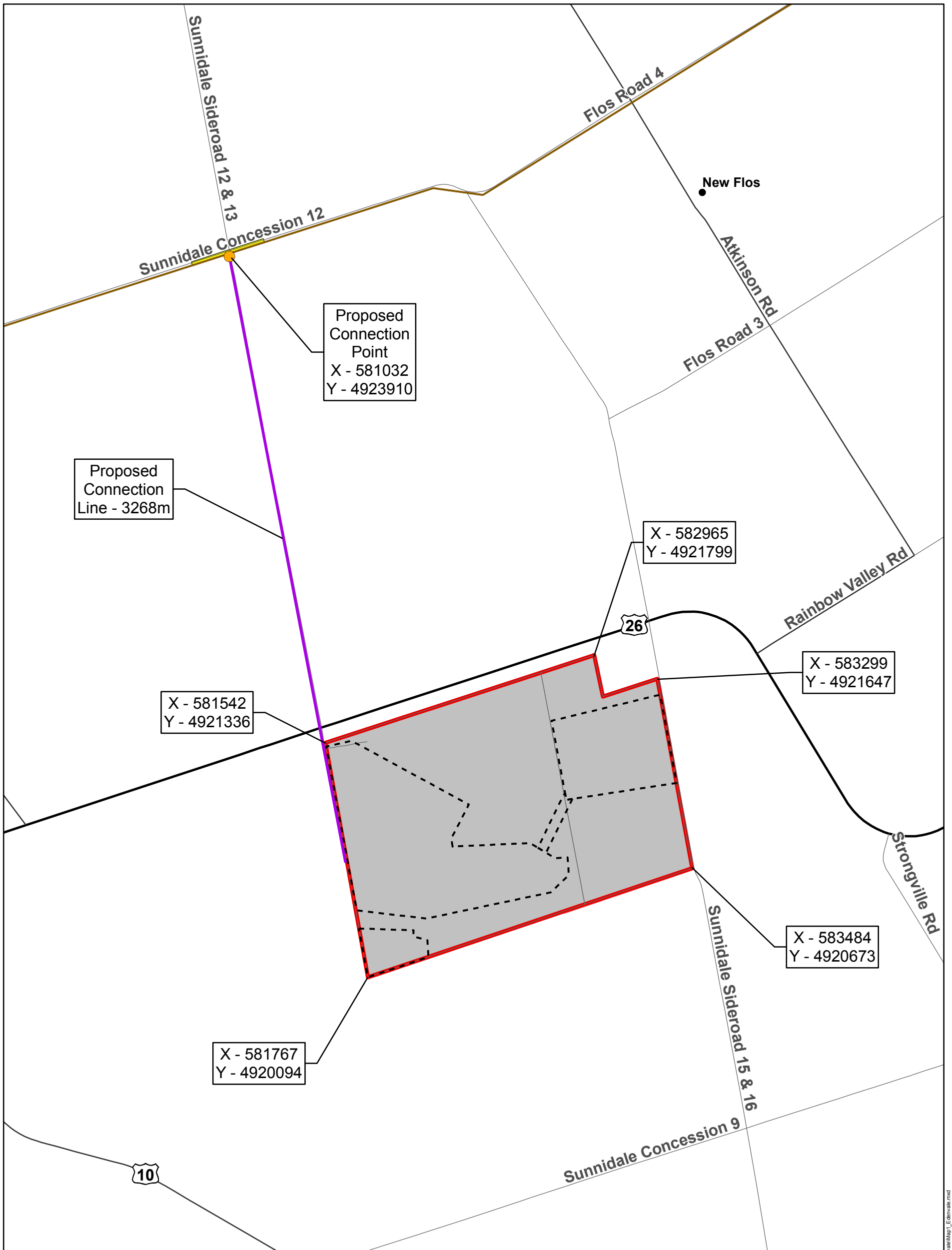
Online Plaque Guide. Retrieved at <http://www.heritagetrust.on.ca/resources-and-learning/online-plaque-guide.aspx> [August 17, 2015]

- Ontario Ministry of Natural Resources and Forestry (OMNRF):
Wildlife Species Search Database. Retrieved at http://www.cosewic.gc.ca/eng/sct1/index_e.cfm [June 22, 2015]
- Ontario Ministry of Natural Resources and Forestry (OMNRF), 2015:
Species at Risk in Ontario List. © Queen's Printer for Ontario 2012-2015. Retrieved at <http://www.ontario.ca/environment-and-energy/species-risk-ontario-list> [June 22, 2015].
- Ontario Ministry of Natural Resources and Forestry (OMNRF), 2015:
Natural Heritage Information Centre (NHIC) Make a Map: Natural Heritage Areas. © Queen's Printer for Ontario, 2014. Retrieved at <http://www.gisoeapp.lrc.gov.on.ca/web/MNR/NHLUPS/NaturalHeritage/Viewer/Viewer.html> [June 22, 2015].
- Ontario Ministry of Municipal Affairs and Housing (MMAH), 2011:
Maps of the Oak Ridges Moraine. © Queen's Printer for Ontario 2012-2015. Retrieved at <http://www.mah.gov.on.ca/Page333.aspx> [June 22, 2015]
- Parks Canada:
Canada's Historical Places. Retrieved at <http://www.historicplaces.ca/en/home-accueil.aspx> [August 17, 2015]
- Parks Canada:
Directory of Federal Heritage Designations. Retrieved at http://www.pc.gc.ca/apps/dfhd/default_eng.aspx [August 17, 2015]
- Planning in Clearview:
Zoning By-Law, Map A2 Rural East. Retrieved at https://communityplanningclearview.files.wordpress.com/2015/01/zoning_schedulea2_eastclearview_may72015.pdf. [June 24, 2015]
- Township of Clearview:
Township Road System, 2014
- Township of Clearview:
GIS Interactive Map. Retrieved at <http://maps.clearview.ca/live/webmap.asp> [June 22, 2015]
- Simcoe County:
Interactive Map. Retrieved at <http://maps.simcoe.ca/Public/> [August 10, 2015]

Appendix A

Edenvale Solar Project – Site Consideration Mapping

- **Map 1 – Proposed Site, Connection Line and Connection Point**
- **Map 2 – 5 Kilometre Study Area and Socio-economic/Built Heritage Considerations**
- **Map 3 – 120 Metre Study Area and Environmental Considerations**
- **Map 4 – Proposed Site, Connection Line and Abutting Properties**



Legend

- Proposed Site
- Proposed Location of Solar Facility Components
- Proposed Connection Line
- Connection Point Site
- Connection Point
- City/Town
- Highway
- Major Road
- Local Road
- Distribution Lines
- Property Boundary

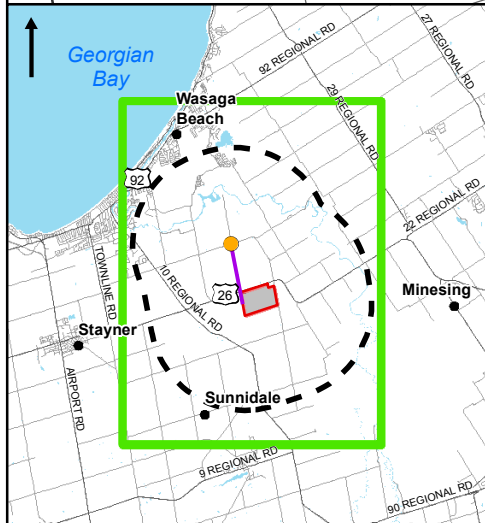
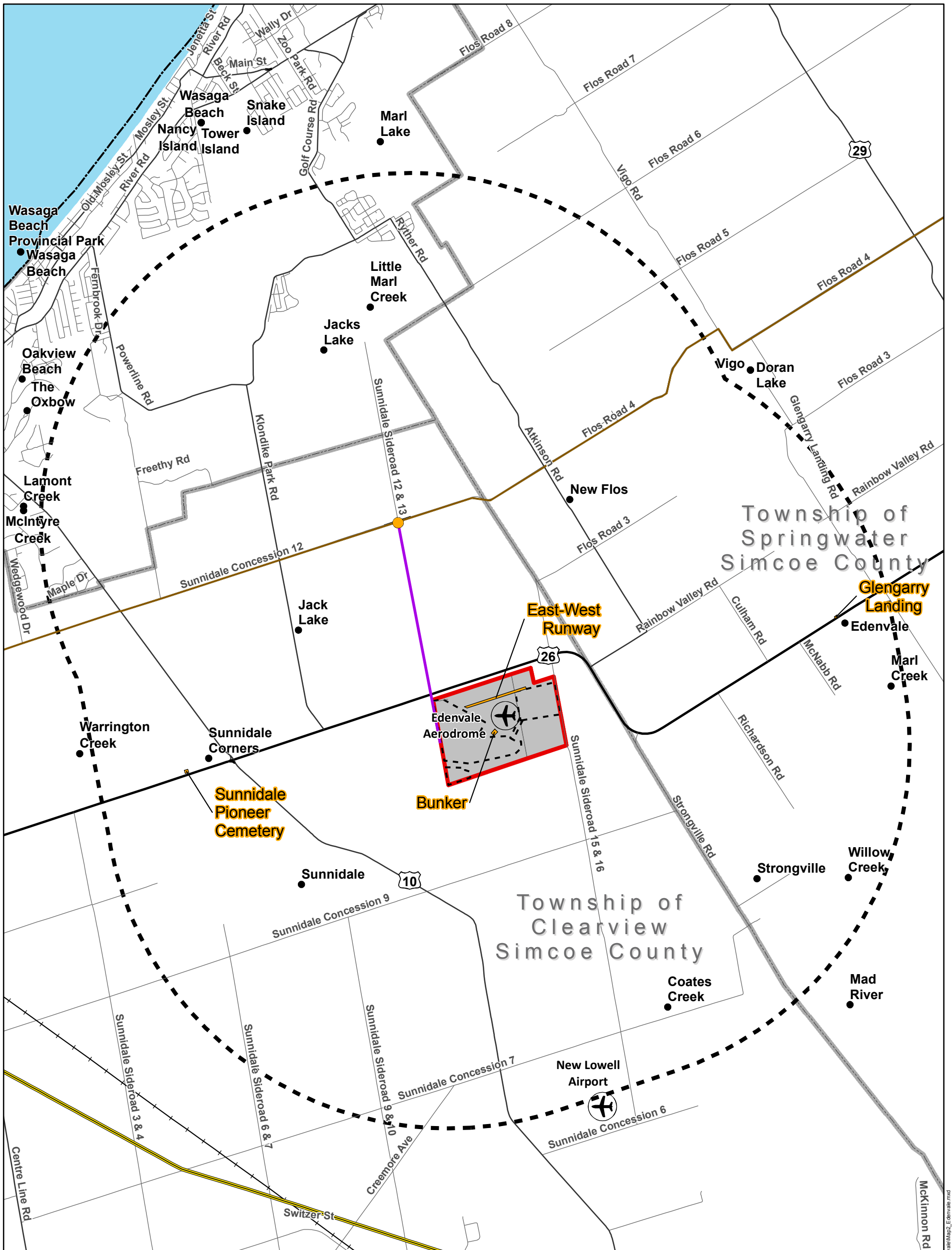


Edenvale Solar Project

Map 1 – Proposed Site, Connection Line and Connection Point

August 2015	1:20,000	Datum: NAD 83 Zone 17 Source: OBM, LIO
P#: 60430686	V#:	
AECOM		

This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent.



Legend

Proposed Site	City/Town
Proposed Location of Solar Facility Components	Railway
Proposed Connection Line	Highway
Connection Point Site	Major Road
Connection Point	Local Road
5km Site Buffer	Utility Line
	Distribution Lines
	Airports
	Township Boundary
	Simcoe County
	Cultural Heritage Feature
	Property Boundary

Edenvale Solar Project

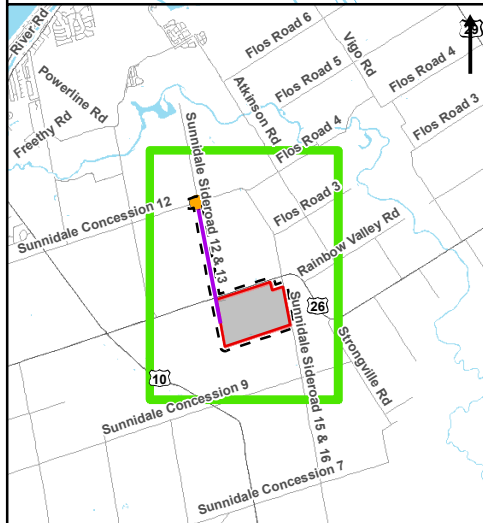
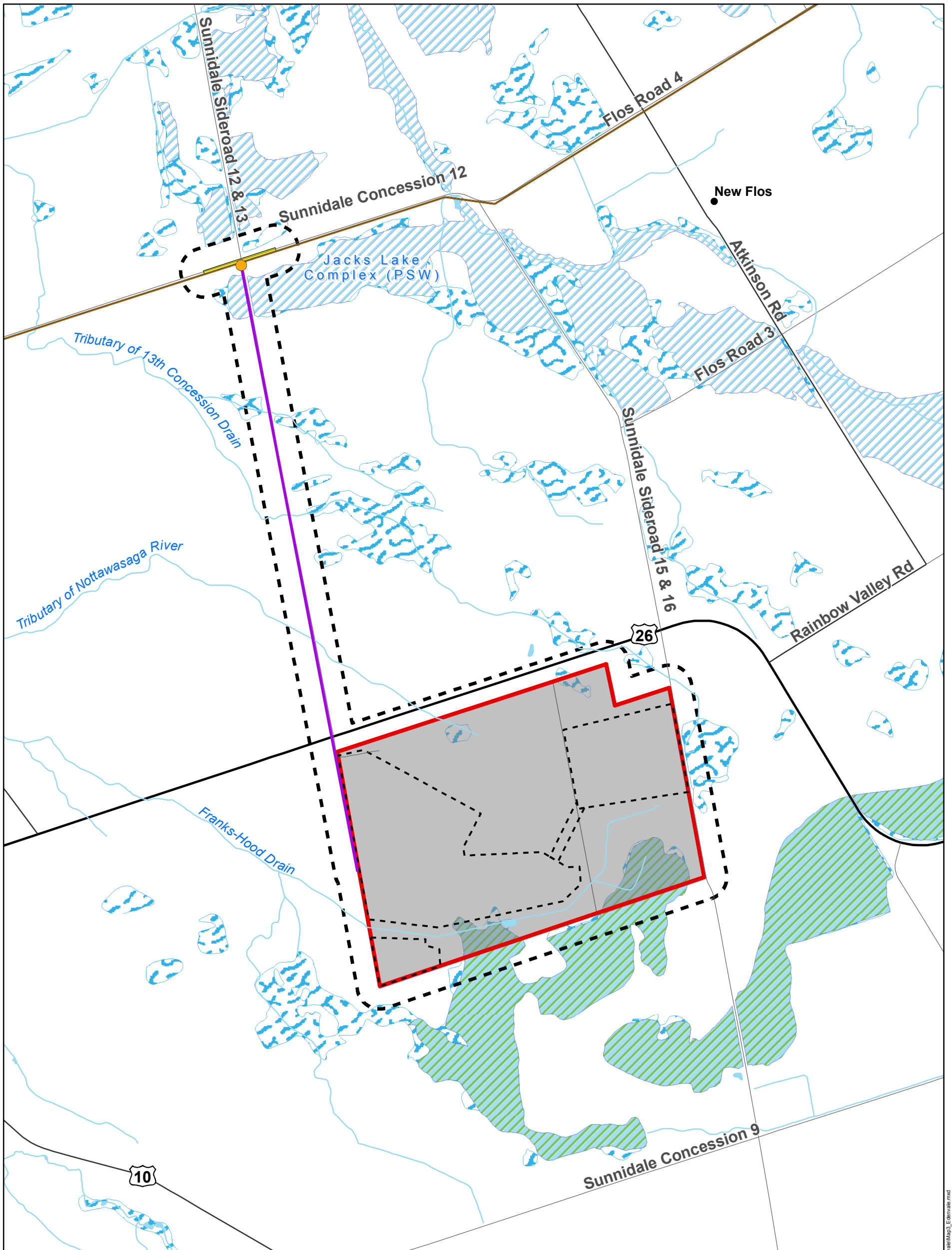
Map 2 – 5 Kilometre Study Area and Socio-economic/ Built Heritage Considerations

August 2015	1:55,000	Datum: NAD 83 Zone 17 Source: OBM, LIO
P#: 60430686	V#:	

AECOM

0 900 1,800 3,600
Meters

This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent.



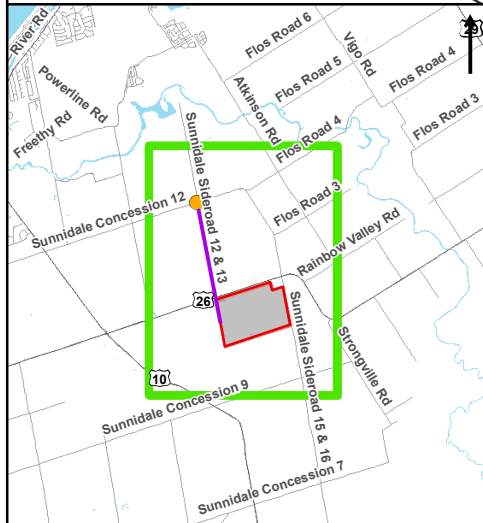
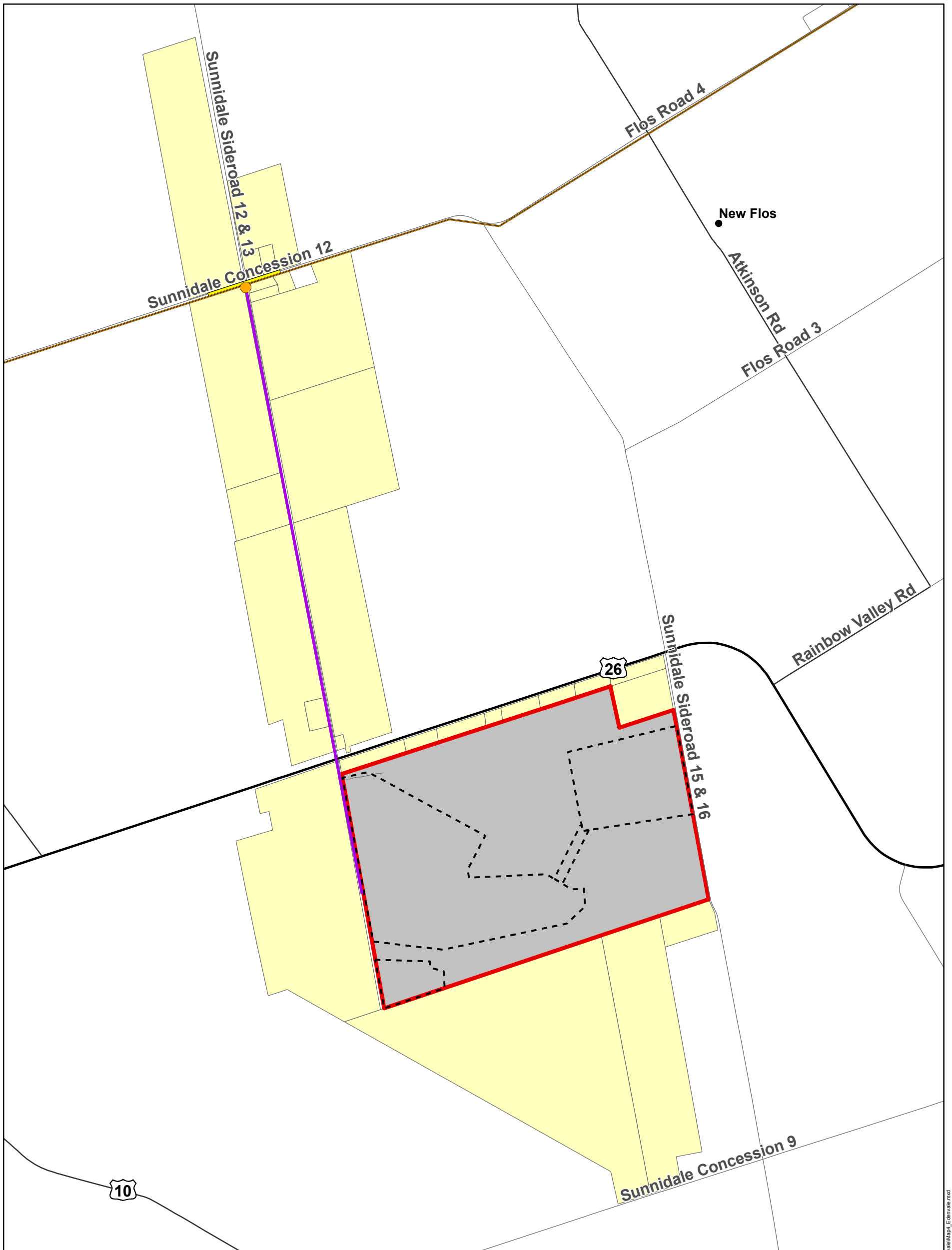
Legend

- Proposed Site
- Proposed Location of Solar
- Facility Components
- Proposed Connection Line
- Connection Point Site
- Connection Point
- 120m Site Buffer
- City/Town
- Highway
- Major Road
- Local Road
- Distribution Lines
- Watercourse
- Waterbody
- Locally Significant Wetlands
- Provincially Significant Wetland
- Unevaluated Wetlands
- Property Boundary



Edenvale Solar Project		
Map 3 – 120 Metre Study Area and Environmental Considerations		
August 2015	1:20,000	Datum: NAD 83 Zone 17 Source: OBM, LIO
P#: 60430686	V#:	
This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent.		

Map location: P:\60430686\BluEarth\ERP_Support\600-Mon\920-929 (GIS-Craphics)\Design\ERP_Figures\EdenvaleMap3_Edenvale.mxd
Date Saved: 10/06/2015 11:05:39 AM



Legend

- Proposed Site
- Proposed Location of Solar Project
- Proposed Connection Line
- Connection Point Site
- Connection Point
- Properties Abutting Site and Connection Line
- City/Town
- Highway
- Major Road
- Local Road
- Distribution Lines



Edenvale Solar Project

Map 4 – Proposed Site, Connection Line and Abutting Properties

August 2015	1:20,000	Datum: NAD 83 Zone 17 Source: OBM, LIO
P#: 60430686	V#:	

This drawing has been prepared for the use of AECOM's client and may not be used, reproduced or relied upon by third parties, except as agreed by AECOM and its client, as required by law or for use by governmental reviewing agencies. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without AECOM's express written consent.

Map Location: P:\60430686_BluEarth_LRP_Support\600-Mon\920-929 (GIS-Craphics)\Design\LRP_Figures\EdenvaleMap_4_Edenvale.mxd
Date Saved: 11/08/2015 1:00:29 PM