

**Energy Conservation and Sustainability Plan
Plan of Subdivision – 46 Stevens Road
Kaitlin Corporation**

Sustainability Element	Description	Plans, Drawings or Reports
Support electric vehicle use	<ul style="list-style-type: none"> • Provision in master electrical plan for appropriate electrical loads due to charging of electric cars. 	Electrical Plan to be provided at detailed design stage
Efficient land use	<ul style="list-style-type: none"> • The plan adheres to the density criteria for this Site, while incorporating internal circulation patterns to support the proposed urban form. • Underground parking provided allows for better land use efficiency, and higher density 	Please refer to Site Plan
Protection and enhancement of the natural environment	<ul style="list-style-type: none"> • The Site has been carefully designed to incorporate new vegetation throughout. • A vegetation protection zone is being implemented to protect the natural heritage system • No hazard or environmentally protected lands within this site, where buildings are located. 	Landscape Plan to be provided at detailed design stage
Reduced vehicle dependency and facilitation of active transportation	<ul style="list-style-type: none"> • The site is located within proximity to the proposed GO station. Therefore, providing opportunities for active transportation such as cycling and walking. • This is a Seniors oriented development, where typically less cars are owned. 	N/A
Improved air quality	<ul style="list-style-type: none"> • Latex paints are used which are water soluble – creating less odour and decreasing cleanup and disposal. High quality paint brands are used to create more durable finishes with reduced frequency for recoating in the future • Caulking is also composed of water-soluble compound making less odour and easier cleanup and dilution. 	N/A
Reduction of energy consumption	<ul style="list-style-type: none"> • Window glazing areas are carefully laid out to maximize glazing where it is most required and to minimize it elsewhere. Glazing is one of the least energy efficient components in the façade of the building, and by carefully controlling the amounts of glazing, energy savings are maximized. Front facades typically have additional glazing for curb appeal, and street character, while side elevations and rear elevations have less glazing. • The Townhomes and Senior Condo Suites are typically equipped with Energy Star appliances. 	Elevation Plan to be provided at detailed design stage

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	<ul style="list-style-type: none"> • LED lighting is under consideration for certain areas, including corridor and site lighting. Hydro meters are of the ‘Smart’ variety that enables billing to better correspond to actual hydro consumption, allowing for energy conscious homeowners to better manage their energy consumption. • Programmable thermostats are being installed, allowing homeowners to run their furnace and air conditioning more efficiently, by lowering energy use during the night and at other times. 	
Reduction of urban heat island effect	<ul style="list-style-type: none"> • The planting of trees throughout the Site will provide a shade canopy so as to reduce the effects of heated sidewalks during the summer months. 	Landscape Plan to be provided at detailed design stage
Reduction of water consumption	<ul style="list-style-type: none"> • Water efficient plumbing fixtures are being used, to help conserve water wastage. This includes low flow faucets and shower heads. 	To be provided at detailed design stage
Climate change mitigation and adaptation	<ul style="list-style-type: none"> • It’s difficult to quantify the potential effects to a Global issue such as climate change on a site as small as this one is. However, in consideration of some of the features discussed in other sections such as energy efficiency, water consumption, minimizing use of cars, and improved air quality. These measures will have a positive effect on the overall mitigation of climate change. 	N/A
Other (Applicants may list and describe other elements at their discretion)	<ul style="list-style-type: none"> • The proposed development will provide a variety of condominium suites in an attractive compact urban form. 	Please refer to Site Plan