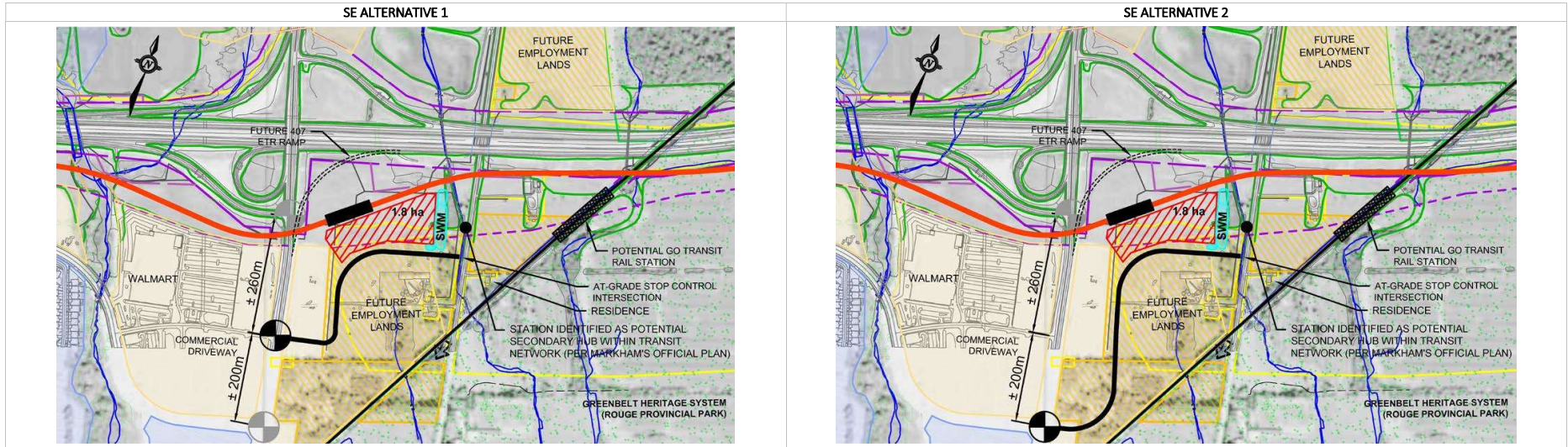


FIGURE 4.5: DONALD COUSENS STATION



OBJECTIVES/ CRITERIA/ INDICATORS		POTENTIAL STATION LOCATIONS	
CRITERIA	INDICATORS	SE ALTERNATIVE 1	SE ALTERNATIVE 2
EFFECTS TO THE ENVIRONMENT (OBJECTIVE: MINIMIZE ADVERSE EFFECTS ON THE NATURAL ENVIRONMENT)			
J. Natural Environment	Potential Effects on Terrestrial and Aquatic Ecosystems.	Vegetation removals: -Agricultural – 3.12 ha -Cultural Meadow (CUM1-1) – 4.83 ha -Deciduous Forest – 0.04 ha -Manicured lawn – 0.4 ha Total – 8.39 ha Distance from nearest watercourse – 17.63 metres	Vegetation removals: -Agricultural – 3.12 ha -Cultural Meadow (CUM1-1) – 4.83 ha -Deciduous Forest – 0.04 ha -Manicured lawn – 0.4 ha Total – 8.39 ha Distance from nearest watercourse – 17.63 metres
	Potential Effects on Environmentally Significant Landform/Features.	No identified impacts	
	Potential Effects on Geology and Hydrogeology.	No effects identified. To be confirmed for preferred alternative through field investigations.	
	Potential Effects on Hydrology. Potential Species /Habitat at Risk.		
K. Social Environment	Potential effects on property.	Two properties need to be expropriated for station site. Removal of residential home/ property buy-out (8119 Reesor Road).	Same as Alternative 1.
	Potential effects on adjacent Noise Sensitive Areas.	No impact.	Same as Alternative 1.