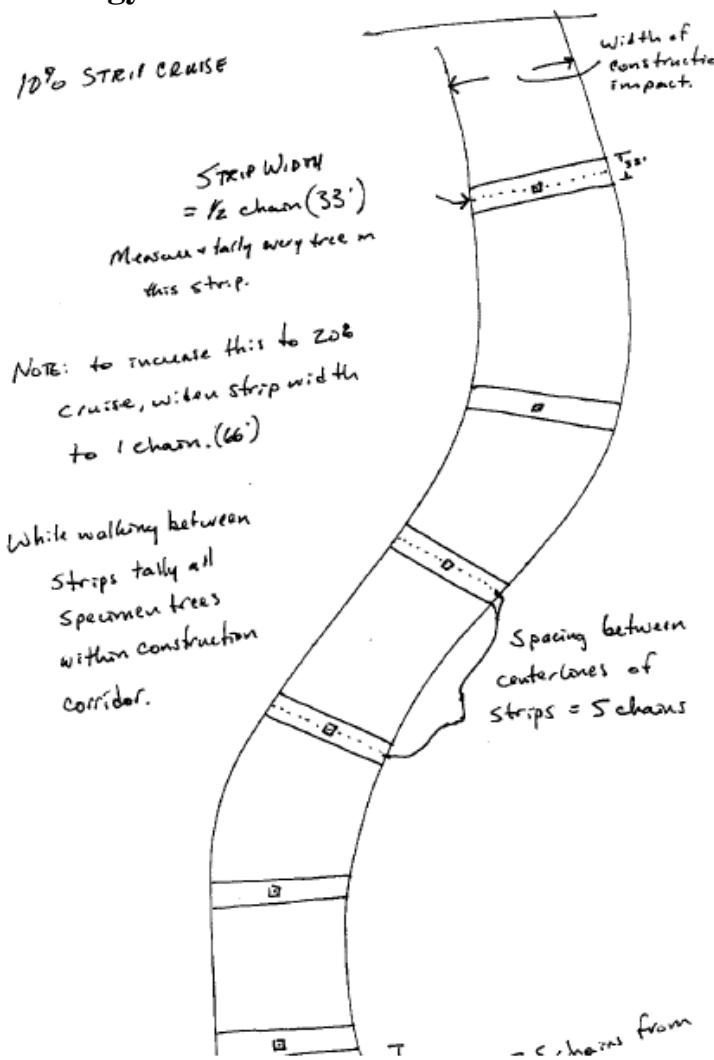


Canada Road Natural Resources Survey

Background

The Natural Resources survey of the potential alignments for New Canada Road was done as a sample to obtain a general idea of the location and relative conservation value of Natural Resources that would be impacted by the new roadway. In past meetings, concern was voiced about the possible loss of valued forest land and Natural Resources. While the sample provides an indication of environmental impacts within the proposed corridors, the full extent of resource impact will not be known until the actual end of the construction project. Also, not all natural resources can be obtained in a sample. Therefore, this study is meant to be preliminary and comparative with full details coming with the environmental studies required on federal projects. Below is a description of sample methods, conservation indexing, heritage species indexing, and the qualitative and quantitative characteristics of the natural resources within each corridor.

Methodology



Findings

Density Units

- Road projects are usually exempt from LTMO, can't meet density requirements
- Density Units are derived from dbh and are located in the LTMO

	<u>Corridor A*</u>	<u>Corridor C*</u>	Convergent Area
<u>Density Units</u>	2084	435	1068
<u>Specimen Trees (#)</u>	~16 trees	0 trees	~17 trees

- Not including the convergent areas

Heritage Plant Indexing and Conservation Priorities

- Calculated using the City's Natural Resources Inventory information and the public rankings from the Natural Resources Assessment
- Low priority, devoid of tree cover or are heavily infested with non-native invasive shrubs, plants and trees, poor soils and minimal topography including some grasslands and most agricultural lands
- Medium priority, some structure of trees (albeit usually not mature shade bearing trees), a range of soils, minimal topography, and are not considered as functional (supporting highly valued environmental functions such as biodiversity and aesthetics) as the high and very high priority areas.
- High priority, mature stand of trees that function as a forest, some of the better soils, and some amount of topography
- Very high priority, Oak-Hickory or Oak-Gum Cypress forests, the best soils, moderate to high slopes and serve as some of the most functional and irreplaceable forests within the City of Lakeland

CP	<u>Corridor A*</u>	<u>Corridor C*</u>	Convergent Area
<u>Very High</u>	1	0	2
<u>High</u>	2	0	0
<u>Medium</u>	0	1	0
<u>Low</u>	4	0	0
<u>Average:</u>	High	Medium	Very High

Number of plots by CP ranking. * Not including the convergent areas.

Other Concerns

- Sensitive Stand
- Wildlife Habitat
- WWC and Feeders to Oliver Creek