

**TOWN OF CALEDON  
PLANNING  
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**Tree Inventory and Preservation Plan Report  
13846 and 13940 Airport Road  
Caledon, Ontario**

prepared for

**Studio TLA  
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prepared by



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KUNTZ FORESTRY CONSULTING Inc. Project P2420

## Introduction

Kuntz Forestry Consulting Inc. was retained by Studio TLA to complete a Tree Inventory and Preservation Plan in support of a development application for properties at 13846 and 13940 Airport Road, in the Town of Caledon, Ontario. The subject properties are located on the southwest side of Airport Road and King Street.

The work plan for this tree preservation study included the following:

- Prepare inventory of the tree resources over 15cm DBH on and within six metres of the subject properties and trees of all sizes situated on the road right-of-way;
- Evaluate potential tree saving opportunities based on proposed development plans; and
- Document the findings in a Tree Inventory and Preservation Plan Report.

Tree resources were assessed utilizing the following parameters:

**Tree #** - number assigned to tree that corresponds to Figure 1.

**Species** - common and botanical names provided in the inventory table.

**DBH** - diameter (centimeters) at breast height, measured at 1.4 m above the ground.

**Condition** - condition of tree considering trunk integrity, crown structure and crown vigor. Condition ratings include poor (P), fair (F) and good (G).

**Comments** - additional relevant detail.

The results of the evaluation are provided below.

## Methodology

Trees greater than 15cm DBH on and within six metres of the subject properties and trees of all sizes within the road right-of-way were included in the tree inventory. Trees were located using an aerial imagery downloaded from the Town of Caledon Maps. Trees inventoried were tagged with numbers 488-494. Trees smaller than 1.5m tall and shrubs within the road right-of-way are inventoried as a polygon and shown as P1. Tree locations are shown on Figure 1. See Table 1 for the results of the inventory.

## Existing Site Conditions

The subject properties are currently occupied by agricultural lands. Tree resources exist in the form of naturally-occurring trees. Refer to Figure 1 for the existing site conditions.

## Tree Resource

The tree inventory was conducted on 9 June 2020. The inventory documented 7 trees and 1 tree polygon on and within six metres of the subject properties. Refer to Table 1 for the full tree inventory, Figure 1 for the location of trees reported in the tree inventory, and Appendix A for the photographs of the trees and site.

Tree resources were comprised of Manitoba Maple (*Acer negundo*) and Common Buckthorn (*Rhamnus cathartica*).

## Proposed Development

The proposed development includes the construction of commercial buildings and associated parking lot. Refer to Figure 1 for the proposed development.

## Discussion

The following sections provide a discussion and analysis of tree impacts and tree preservation relative to the approved development and existing conditions.

### *Development Impacts/Tree Removal*

The removal of all trees is required to accommodate the proposed development. Trees 489-493 and P1 are located on the road right-of-way; an approval from the Town of Caledon is required prior to their removal. Refer to Figure 1 for the location of required tree removals.

### *Tree Preservation*

Preservation of trees is not possible.

## Tree Compensation

The Town of Caledon requires tree compensation for all tree removal at 2:1 ratio of plantings to removals. The removal of 1 tree greater than 15cm DBH on the subject property is proposed to accommodate the proposed development. As such, a total of 2 replacement plantings is required. Refer to Landscape Plan for the planting plan.

## Summary and Recommendations

Kuntz Forestry Consulting Inc. was retained by Studio TLA to complete a Tree Inventory and Preservation Plan in support of a development application for the properties at 13846 and 13940 Airport Road, in the Town of Caledon, Ontario. A tree inventory was conducted and reviewed in the context of the proposed site plan.

The findings of the study indicate a total of 7 trees and 1 tree polygon on and within six metres of the subject properties. The removal of all trees is required to accommodate the proposed development.

Respectfully Submitted,  
**Kuntz Forestry Consulting Inc.**

Kaho Hayashi

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**Table 1. Tree Inventory**Location: 13846 and 13940 Airport Road, CaledonDate: 9 June 2020 Surveyors: KH

| Tree # | Common Name      | Scientific Name           | DBH  | TI | CS | CV | CDB | DL  | Comments                                                                                      | Action |
|--------|------------------|---------------------------|------|----|----|----|-----|-----|-----------------------------------------------------------------------------------------------|--------|
| 488    | Manitoba maple   | <i>Acer negundo</i>       | ~58  | F  | F  | F  | 15  | 3   | Co-dominance at 2m (3 stems), bow (L) to east, included wire at base (L), debris in root zone | Remove |
| 489    | Manitoba maple   | <i>Acer negundo</i>       | 2, 1 | F  | P  | P  | 50  | 0.5 | Union at 1m, epicormic branches (M), located on the road right-of-way                         | Remove |
| 490    | Manitoba maple   | <i>Acer negundo</i>       | 13   | FG | FG | F  | 25  | 1.5 | Crook (M), located on the property boundary                                                   | Remove |
| 491    | Manitoba maple   | <i>Acer negundo</i>       | 7, 4 | F  | F  | F  | 30  | 1   | Bow (L), union at base, located on the road right-of-way                                      | Remove |
| 492    | Manitoba maple   | <i>Acer negundo</i>       | 12   | P  | PF | F  | 50  | 1.5 | Union at 1m but 1 stem ripped off, included fence (M), located on the property boundary       | Remove |
| 493    | Manitoba maple   | <i>Acer negundo</i>       | <1   | G  | G  | G  |     | 0.5 | Union at base, located on the road right-of-way                                               | Remove |
| 494    | Manitoba maple   | <i>Acer negundo</i>       | <5   | FG | G  | G  |     | 2   | Multi-stemmed tree (~13 stems)                                                                | Remove |
| P1     | Manitoba maple   | <i>Acer negundo</i>       | <1   | G  | G  | G  |     | 0.5 | 2 trees                                                                                       | Remove |
|        | Common Buckthorn | <i>Rhamnus cathartica</i> | -    | G  | G  | G  |     | 1   | ~30 shrubs                                                                                    | Remove |

| Codes                                                                                                   |                           |           |
|---------------------------------------------------------------------------------------------------------|---------------------------|-----------|
| DBH                                                                                                     | Diameter at Breast Height | (cm)      |
| TI                                                                                                      | Trunk Integrity           | (G, F, P) |
| CS                                                                                                      | Crown Structure           | (G, F, P) |
| CV                                                                                                      | Crown Vigor               | (G, F, P) |
| CDB                                                                                                     | Crown dieback             | %         |
| DL                                                                                                      | Drip-line in radius       | (m)       |
| P = poor, F = fair, G = good, ~ = estimate, (VL) = very light, (L) = light, (M) = moderate, (H) = heavy |                           |           |

## Appendix A. Photographs of the Trees and the Properties



Image 1. Tree 488



Image 2. Tree 489





Image 3. Trees 490 (left) and 491



Image 4. Tree 492





Image 5. Tree 493



Image 6. Tree 494





Image 7. Northern perimeter



Image 8. Southern perimeter