



A photograph of a dense, green shrub or small tree in a field under a blue sky with white clouds. The plant is the central focus, with its thick, rounded canopy of green leaves. In the foreground, there is a field of tall, green grass and some yellow wildflowers. The sky is bright blue with scattered white clouds.

A photograph showing a dense forest of tall, green trees, likely deciduous, under a bright blue sky with scattered white clouds. The trees are in full leaf, and the overall scene is lush and vibrant.






A photograph of a large, mature tree with a thick, brown trunk and dense green foliage. The tree is set against a bright blue sky with scattered white clouds. The foliage is thick and vibrant green, suggesting a healthy, well-maintained specimen. The trunk is visible in the lower center, branching out into a wide canopy.

A large, dense, green tree with many branches, standing in a grassy field under a blue sky with white clouds. The tree is the central focus, with its foliage filling much of the frame. The ground is covered in green grass, and the sky is a vibrant blue with scattered white clouds. The overall scene is bright and sunny.

A large, dense, green shrub or small tree stands in a field of tall grass and yellow wildflowers. The sky is blue with scattered white clouds. In the background, a line of trees and a distant building are visible.



--- property line

- |   |   |
|---|---|
|  | existing tree number (refer to chart)                           |
|  | existing vegetation to remain                                   |
|  | existing vegetation to be removed                               |
|  | existing elevations   |
|  | free protection fence (with silt fence)<br>- see detail D1, L-2 |

NOT FOR CONSTRUCTION  
ISSUED FOR REVIEW & COMMENTS ONLY

NOTE:  
Vegetation inventory undertaken by Jackson  
Arboriculture Inc., Jeremy Jackson, ISA Certified  
Arborist (ON-1089A) on June, 22, 2021.

#	DATE	DESCRIPTION
1	2021-07-14	Issued for coordination
2	2021-07-26	Issued for submission



CLIENT  
Smart Centres

MUNICIPALITY  
Town of Caledon

PROJECT  
Mayfield Road & Airport Road

MUNICIPAL FILE NUMBER

SHEET

# Tree Protection Plan

L-1

adesso design inc.  
landscape architecture



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Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	DL	CC	Location	Comments	Potential Impacts from Construction	Recommendation
1	Eastern Red Cedar (Juniper)	<i>Juniperus virginiana</i>	28	G	G	G	3	CD	Subject Property		Conflicts with proposed easement	Remove
2	Manitoba Maple	<i>Acer negundo</i>	59	F	F	F	4	CD	Subject Property	Stem wound, seam, broken branches	Conflicts with proposed easement	Remove
3	Manitoba Maple	<i>Acer negundo</i>	69, 53	F	F	F	5	D	Subject Property	Union at 0.4 m, heavy stem wound, 20% crown dieback, tagged 1539	Conflicts with proposed parking	Remove
4	Manitoba Maple	<i>Acer negundo</i>	26, 18	FG	G	G	3	D	Subject Property	Union at 0.4 m	Conflicts with proposed easement	Remove
5	Manitoba Maple	<i>Acer negundo</i>	18, 15, 22, 18	PF	PF	PF	4	D	Subject Property	Union at ground, 2 stems failed and lying on the ground	Conflicts with proposed parking	Remove
6	Manitoba Maple	<i>Acer negundo</i>	50	F	G	G	4	CD	Subject Property	Stem wound	Conflicts with proposed building	Remove
7	Manitoba Maple	<i>Acer negundo</i>	28, 24	FG	G	G	4	CD	Subject Property	Union at 0.3 m, epicormic branching	Conflicts with proposed building	Remove
8	Manitoba Maple	<i>Acer negundo</i>	13	G	FG	G	3	I	Subject Property	Bowed, grapevine competition	Conflicts with proposed building	Remove
9	Manitoba Maple	<i>Acer negundo</i>	46	FG	G	G	4	CD	Subject Property	Union at 1.6 m, epicormic branching	Conflicts with proposed building	Remove
10	Trembling Aspen	<i>Populus tremuloides</i>	10, 7	FG	FG	FG	2	CD	Subject Property	Union at ground, 7 cm stem dead	Conflicts with proposed building	Remove
11	Trembling Aspen	<i>Populus tremuloides</i>	10	G	G	G	2	CD	Subject Property		Conflicts with proposed building	Remove
12	Manitoba Maple	<i>Acer negundo</i>	13, 15	FG	G	G	3	CD	Subject Property	Union at ground	Conflicts with proposed building	Remove
13	Trembling Aspen	<i>Populus tremuloides</i>	20	F	FG	G	3	CD	Subject Property	Crook	Conflicts with proposed building	Remove
14	Manitoba Maple	<i>Acer negundo</i>	12	F	F	FG	3	CD	Subject Property	Stem wound at flare, bowed/lean	Conflicts with proposed building	Remove
15	Manitoba Maple	<i>Acer negundo</i>	15	FG	FG	G	2	CD	Subject Property	Lean	Conflicts with proposed building	Remove
16	Trembling Aspen	<i>Populus tremuloides</i>	28	FG	G	G	3	CD	Subject Property	Stem wound at flare	Conflicts with proposed building	Remove
17	Trembling Aspen	<i>Populus tremuloides</i>	21	G	F	F	3	CD	Subject Property	30% crown dieback	Conflicts with proposed building	Remove
18	Trembling Aspen	<i>Populus tremuloides</i>	13	G	G	G	2	CD	Subject Property		Conflicts with proposed building	Remove
19	Trembling Aspen	<i>Populus tremuloides</i>	17	FG	F	F	3	CD	Subject Property	Bowed east, 20% crown dieback	Conflicts with proposed building	Remove
20	Trembling Aspen	<i>Populus tremuloides</i>	18	F	P	P	3	CD	Subject Property	60% crown dieback	Conflicts with proposed building	Remove
21	Trembling Aspen	<i>Populus tremuloides</i>	16, 12	FG	G	G	3	CD	Subject Property	Union at ground	Conflicts with proposed building	Remove
22	Trembling Aspen	<i>Populus tremuloides</i>	10, 15, 16, 9	FG	FG	FG	3	CD	Subject Property	Union at ground, 10% crown dieback	Conflicts with proposed building	Remove
23	Trembling Aspen	<i>Populus tremuloides</i>	12	G	G	G	2	CD	Subject Property		Conflicts with proposed building	Remove
24	Trembling Aspen	<i>Populus tremuloides</i>	12	G	G	G	2	CD	Subject Property	Lean	Conflicts with proposed building	Remove
25	Trembling Aspen	<i>Populus tremuloides</i>	14	PF	F	F	3	CD	Subject Property	Heavy lean	Conflicts with proposed building	Remove
26	Trembling Aspen	<i>Populus tremuloides</i>	11	G	FG	FG	2	CD	Subject Property	Canker	Conflicts with proposed building	Remove
27	Manitoba Maple	<i>Acer negundo</i>	13, 14, 12	F	FG	G	3	CD	Subject Property	Union at 0.5 m, included trailer fender	Conflicts with proposed building	Remove
28	Manitoba Maple	<i>Acer negundo</i>	21, 18, 17, 14, 14	FG	G	G	4	CD	Subject Property		Conflicts with proposed building	Remove
29	Manitoba Maple	<i>Acer negundo</i>	12	PF	F	F	2	CD	Subject Property	Heavy stem wound at flare	Conflicts with proposed building	Remove
30	Trembling Aspen	<i>Populus tremuloides</i>	11, 9	FG	G	G	2	CD	Subject Property	Union at ground	Conflicts with proposed building	Remove
31	Manitoba Maple	<i>Acer negundo</i>	9, 11	FG	FG	FG	2	CD	Subject Property	Union at ground, epicormic branching	Conflicts with proposed building	Remove
32	Manitoba Maple	<i>Acer negundo</i>	15, 15	FG	G	G	3	CD	Subject Property	Union at 0.5 m	Conflicts with proposed building	Remove
33	Manitoba Maple	<i>Acer negundo</i>	12, 21	FG	FG	FG	3	CD	Subject Property	Union at ground, 10% crown dieback	Conflicts with proposed building	Remove
34	Manitoba Maple	<i>Acer negundo</i>	28, 25, 23	F	FG	G	5	CD	Subject Property	Union at ground, epicormic branching	Conflicts with proposed building	Remove
35	Manitoba Maple	<i>Acer negundo</i>	22, 24	FG	G	G	5	CD	Subject Property	Union at 0.6 m	Conflicts with proposed building	Remove
36	Manitoba Maple	<i>Acer negundo</i>	15, 9	FG	FG	FG	3	CD	Subject Property	Union at ground, broken branches, epicormic branching	Conflicts with proposed building	Remove
37	Manitoba Maple	<i>Acer negundo</i>	10, 20	FG	F	F	4	CD	Subject Property	Union at ground, 30% crown dieback	Conflicts with proposed building	Remove
38	Manitoba Maple	<i>Acer negundo</i>	24	P	P	P	4	CD	Subject Property	Lean, ~50% crown dieback	Conflicts with proposed building	Remove
39	Manitoba Maple											

- No free removal or construction activity shall contravene the Act.
- Construction activities with the potential to harm migratory birds or their nest should be restricted from March 15 to August 31.
- Work must occur during the migratory bird breeding season, a nest survey should be taken by a qualified avian biologist.
- A mitigation plan (showing active nests and appropriate buffers) may be required for review and approval by the Canadian Wildlife Services.

1. No trees shall be removed prior to municipal approvals of the Tree Management/Tree Preservation Plan.

2. Note that boundary trees are protected under the Ontario Forestry Act. Boundary trees are defined in the Forestry Act (Section 10.2) and are considered shared or co-owned property. The Forestry Act indicates that it is a prosecutable offense for one co-owner to injure or cut down a boundary tree without the other co-owner's permission.
3. Written permission from the neighbouring property owner is required prior to removal or injury of any boundary tree (shared ownership) or any tree that is not fully on the subject property.

perform root pruning as required.

1. The area within the dipline of all existing trees shall be properly protected with temporary fencing.
2. The area within the protective fencing shall remain undisturbed with no construction activity, including grading, surface treatment, compaction, or excavation. Area shall not be used for the storage of building materials or equipment access/storage or project related garbages.
3. Tree construction measures shall be installed prior to any demolition, tree removal or construction and shall remain until the completion of fine grading and seeding or seeding.
4. No trees or dead trees, limbs or hazardous branches only, also firm back branches which will interfere with construction, prune for structural restoration where necessary.
5. No stockpiles and/or excavated material shall be placed within the tree preservation area.
6. No digging cable shall be wrapped around or installed to trees.
7. Where root systems of protected trees are exposed directly adjacent to excavation, construction activities shall be stopped, roots pruned and the area be filled with topsoil to prevent root desiccation.
8. Any fine grading within the preservation area is to be done by hand, no heavy equipment is permitted within the preservation zone.
9. Seeding shall be done at a rate of 150 lbs/acre/1000 sq ft. When sediment deposits reach within 150mm of top of filter fabric barrier.
10. A copy of the approved and signed Vegetation Management Plan shall be on site for the duration of construction and available upon request.
11. This detail does not represent any particular tree species.

\* CROWN CLASS  
Dominant- (D) Emergent canopy (receives full sunlight)  
Co-dominant - (C) Not fully emergent (top of canopy receives sunlight)  
Intermediate - (I) Sub-canopy tree (receives partial sunlight)

\* **CONDITION** - consideration of trunk integrity, crown structure and crown vigor Good - few or no issues related to trunk integrity, crown structure or crown vigor Fair - minor issues related to trunk integrity, crown structure (form, some dead or damaged branches) or crown vigor (20-60% healthy foliage)  
Poor - issues with trunk integrity such as cavities or exposed dead wood, poor crown structure (poor form, no clear leader, significant dead or damaged branches) or poor crown vigor (<20% healthy foliage)

**DBH** = Diameter at Breast Height (cm)

**Trunk Integrity (TI):** G = Good, F = Fair, P = Poor

**Crown Structure (CS):** G = Good, F = Fair, P = Poor

**Crown Vigor (CV):** G = Good, F = Fair, P = Poor

**Drip Line (DL):** Radius (m)

**Crown Class:** D = Dominant

### CONDITION OF TREES

impacts, the structural

pest or disease concerns, overall health) and the suitability of the tree in its location (e.g. hardiness, soil conditions, salt tolerance, visual obstruction, available soil volume)



SCALE: NTS

### A. General

### A. General

The following Tree Preservation and Protection Measures will be undertaken to help eliminate and/or significantly reduce construction injury to all trees recommended for preservation. All temporary tree protection measures cited for retained trees must comply with the Town of Caledon Tree Protection Specifications and Details. Any variation from the standard tree protection measures must be approved in writing by the Town of Caledon.

### B. Pre-Construction Phase

- Prior to construction, the trees to be preserved shall be protected with a Tree Protection Barrier. The barrier shall consist of 1.2m (4ft) high orange plastic snow fence wired to 100mm (see Town of Caledon Tree Preservation Fencing, SUD 606).
- The barrier shall be a filter cloth 1.0m high to the construction side of the hoarding to act as sediment control. Sediment control fencing shall meet or exceed OPSD-219-110, and be installed to the satisfaction of the Town of Caledon.
- All supports and bracing used to safely secure the barrier should be located outside the Tree Protection Zone (TPZ). All supports and bracing shall be removed prior to roots.
- The TPZ fence line is to be installed along the edge of the tree protection zones. This hoarding is to remain in place and remain in good condition throughout the entire duration of the project. Dismantling the tree protection barrier prior to approval by the Town of Caledon staff will be considered a breach of the permit.
- The applicant shall notify the Town of Caledon and the consulting certified arborist or landscape architect to confirm that the tree protection barriers are in place.

### C. During Construction Phase

- All areas within the TPZ shall remain undisturbed for the duration of construction. There will be no grade changes, dumping, and storage of any materials, structures or equipment within these areas. The Tree Preservation Barrier must not be removed without the written authorization of the Town of Caledon.
- When grading works will be permitted at the edge of the preservation zone as required to correct localized depressions, and blend to existing grades. The work to be undertaken under the direct supervision of an ISA certified arborist. A certified ISA arborist will undertake proper root pruning in accordance with acceptable arboriculture practices when and if roots of retained trees are to be exposed, damaged, or severed by construction work. The exposed roots will be backfilled with appropriate material as soon as possible to prevent desiccation. Root pruning prior to excavation will help prevent necessary damage to tree roots. The use of low pressure hydrovac to expose roots is recommended, at no additional cost.
- The Town of Caledon must be notified for all work that impacts the TPZ for temporary removal of a section of hoarding to gain access for fine grading or other works. All works are to be supervised by the Town of Caledon.
- No cables, wires or ropes of any kind shall be wrapped around or installed in trees to be preserved.
- No contaminants will be dumped or flushed in the TPZ areas or where feeder lines of trees exist (generally) beyond the TPZ areas.
- Irrigate tree protection zones during drought conditions, June to September to reduce drought stress.
- Inspect the site daily to ensure hoarding is in place and in good condition.
- Inspect trees to monitor condition.
1. Following the completion of all site works including landscaping, and after review and approval by the Town of Caledon staff, the protective hoarding may be removed.
2. After removal of the protective hoarding, the Tree Preservation Zones shall be inspected by the Town of Caledon staff. Any remaining dead, diseased, or hazardous limbs or trees are to be removed by an ISA certified arborist as directed by the consulting arborist or Town of Caledon staff.
- end of specifications

end of specifications

Town of Caledon - Tree Preservation Standard Notes (#710 & #711)

NOTE:  
Vegetation inventory undertaken by Jackson  
Arboriculture Inc., Jeremy Jackson, ISA Certified  
Arborist (ON-1089A) on June, 22, 2021.

## REVISIONS/ SUBMISSIONS

#	DATE	DESCRIPTION
1	2021-07-14	Issued for coordination
2	2021-07-26	Issued for submission

STAMP



CLIENT

## Smart Centres

MUNICIPALITY

## Town of Caledon

PROJECT

## Mayfield Road & Airport Road

MUNICIPAL FILE NUMBER

HEET

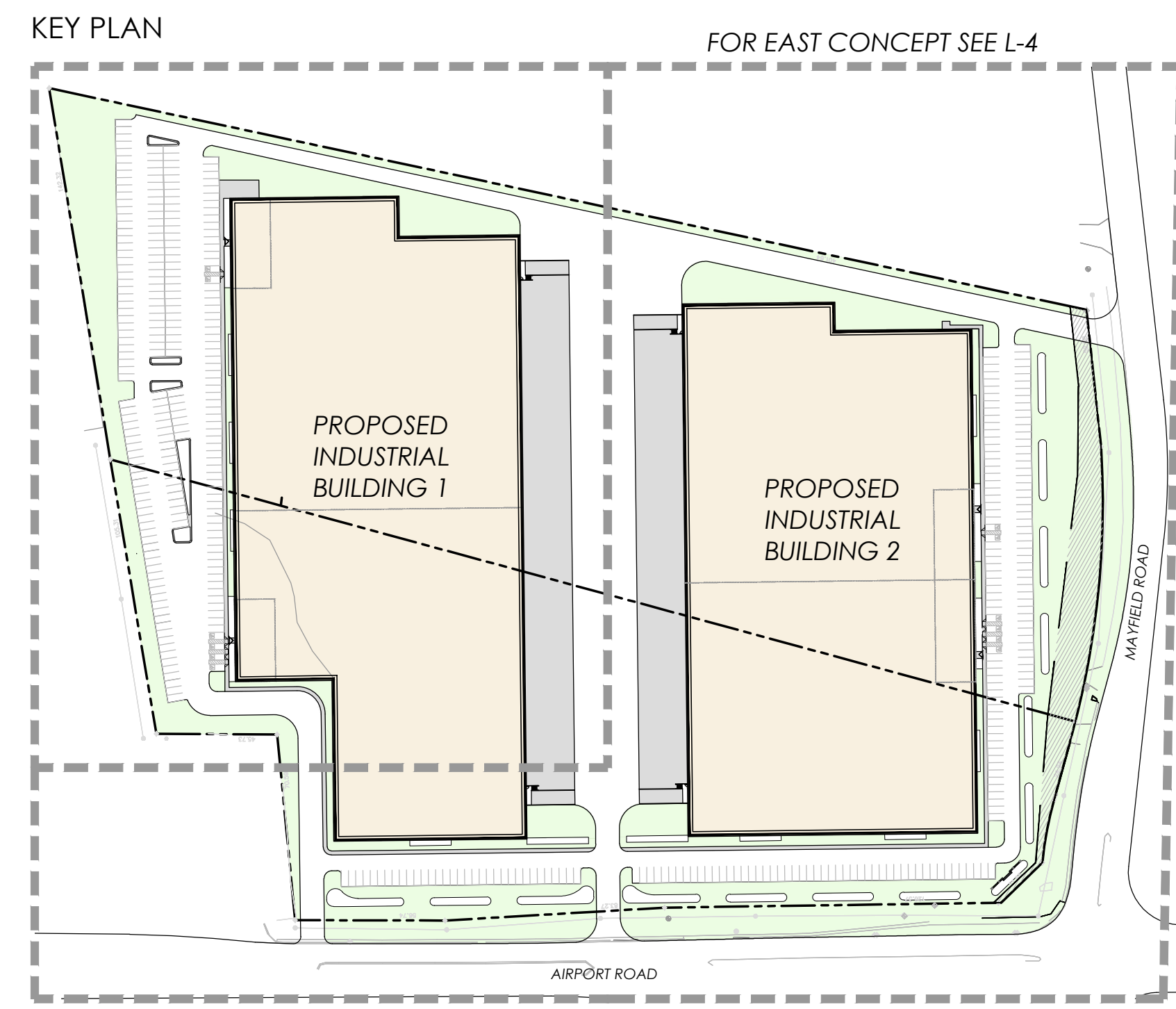
## Tree Protection Plan

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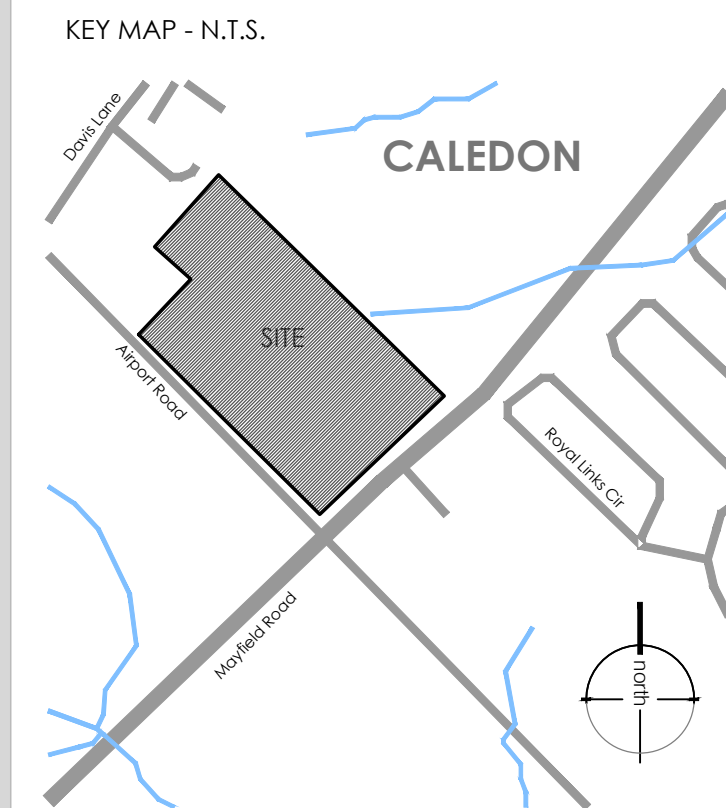


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







KEY PLAN FOR EAST CONCEPT SEE L-4



### LEGEND

- |   |                                      |
|---|--------------------------------------|
|  | property line                        |
|  | existing tree to remain              |
|  | proposed deciduous tree              |
|  | proposed coniferous tree             |
|  | proposed shrub                       |
|  | proposed perennial                   |
|  | existing elevation                   |
|  | proposed elevation                   |
|  | min. 150mm topsoil, fine grade & sod |
|  | C.I.P. concrete                      |

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Smart Centres

MUNICIPALITY  
Town of Caledon

PROJECT  
Mayfield Road & Airport Road

MUNICIPAL FILE NUMBER

SHEET  
West Concept  
Landscape Plan

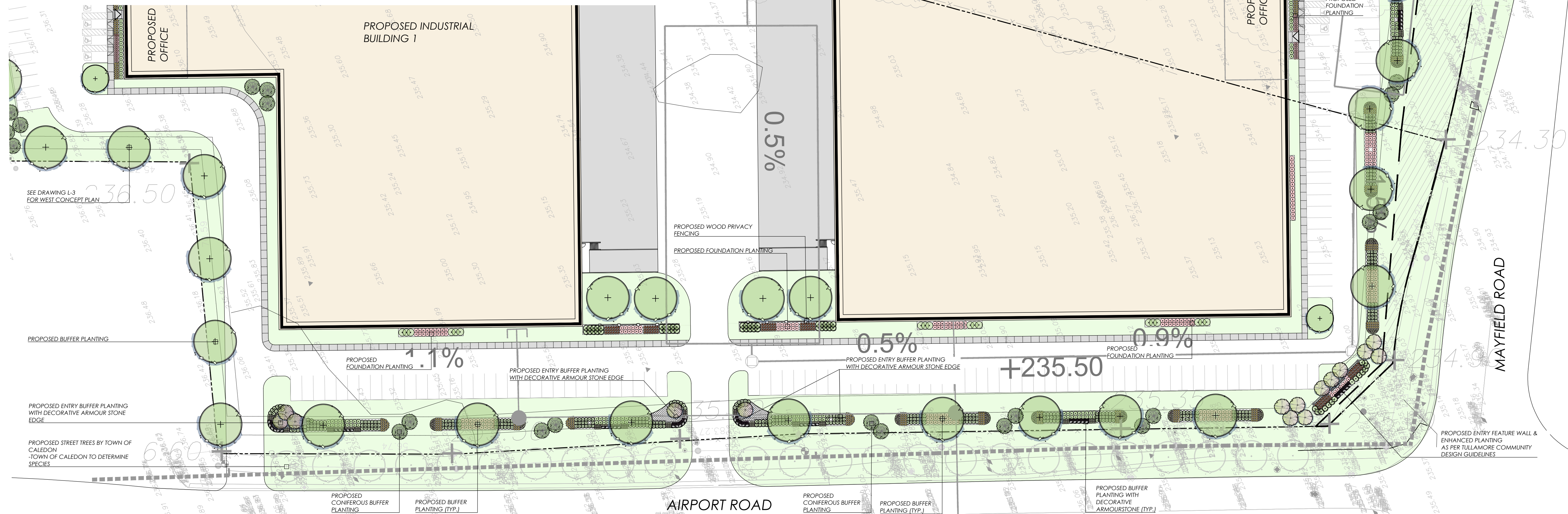
L-3

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PROJECT  
Mayfield Road & Airport Road

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SHEET  
East Concept  
Landscape Plan

L-4

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