

TREE PRESERVATION PLAN
SCALE: 1:300

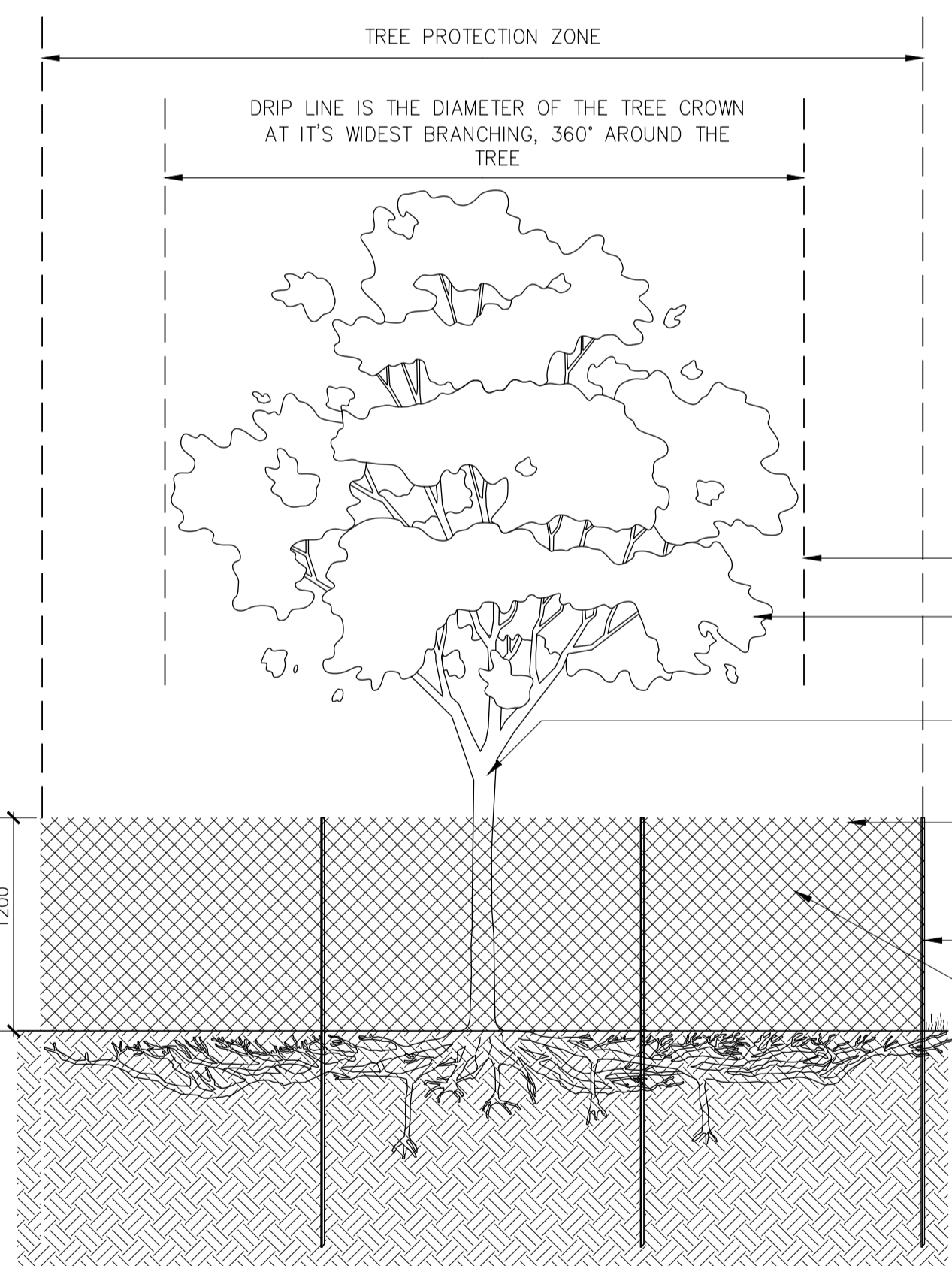
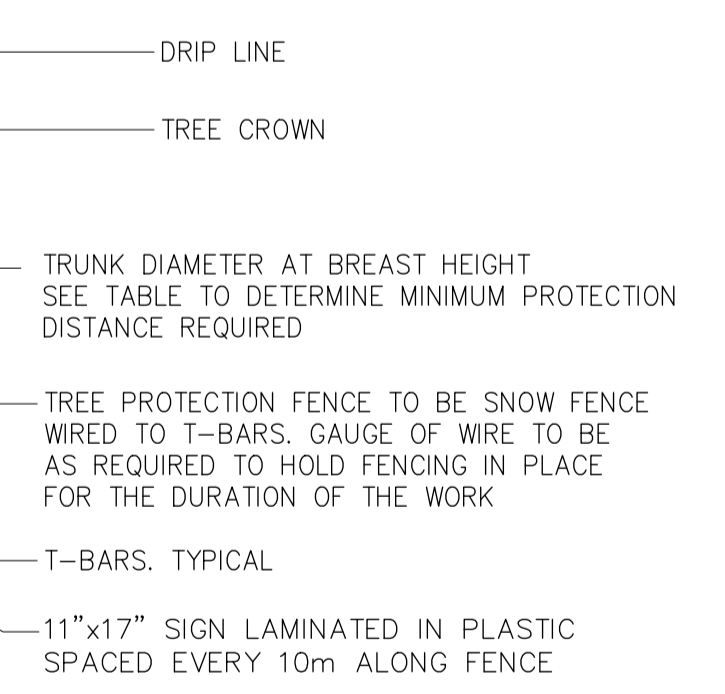


TABLE: TREE PROTECTION ZONES

TRUNK DIAMETER (DBH)*	MINIMUM PROTECTION DISTANCE REQUIRED**
20-40 cm	2.4 m
41-50 cm	3.0 m
51-60 cm	3.6 m
61-70 cm	4.2 m
71-80 cm	4.8 m
81-90 cm	5.4 m
91-100+ cm	6.0 m

* "DBH" MEANS DIAMETER AT BREAST HEIGHT WHEN MEASURED AT 1.4m ABOVE GRADE
 ** TREE PROTECTION ZONE DISTANCES ARE MEASURED FROM OUTSIDE EDGE OF TREE BASE



SIGN TEMPLATE

TOWN OF COBOURG
Tree Protection Zone (TPZ)

No grade changes, trenching, storage of materials or equipment, liquid disposal, hord surfacing or vehicular traffic are permitted within this Tree Protection Zone (TPZ).

The tree protection barrier must not be removed without authorization of the Town of Cobourg's Urban Forestry Division.

For more information call the Engineering Department at (905) 372-4555

- NOTES:**
- ALL DIMENSIONS SHOWN IN MILLIMETRES.
 - THIS DETAIL DOES NOT REPRESENT ANY PARTICULAR TREE SPECIES.
 - NO CONSTRUCTION ACTIVITY, GRADE CHANGE, SURFACE TREATMENT, COMPACTION, EXCAVATION OR STOCKPILING OF ANY KIND IS PERMITTED WITHIN THE PROTECTED AREA, UNLESS NOTED OTHERWISE ON THE DRAWINGS AND CONFIRMED DURING PRE-CONSTRUCTION MEETING.
 - MAINTAIN (NOW AS REQUIRED AND WHEN DIRECTED BY CONTRACT ADMINISTRATOR) EXISTING VEGETATIVE COVER WITHIN FENCED AREA DURING CONSTRUCTION.

D1: TREE PROTECTION FENCING
SECTION NOT TO SCALE

Vegetation inventory is based on site visit conducted by Certified Arborist Gina Brouwer (ISA ON-0937A) on June 5, 2020. The inventory includes all trees (over 5cm diameter) on the subject site and within 6m of the property line. The assessment presented has been made using accepted standard arboriculture techniques as outlined in the Council of Tree & Landscape Appraisers Guide for Plant Appraisal, 9th Edition (2000). These techniques include limited visual examination of above-ground parts of each tree. Except where specifically noted, the trees observed were not climbed, probed, cored, or dissected, and excavation for detailed root crown inspection was not performed. Since some symptoms may only be present seasonally, the extent of observations that can be made may be limited by the time of year in which the inspection took place. Trees are living organisms, and their health and vigour continually change over time due to seasonal variations, changes in site conditions, and other factors. For this reason, the assessment presented in this report is valid at the time of inspection, and no guarantee is made about the continued health of trees. It is recommended that the trees be re-assessed periodically. While every standing tree has the potential for failure and therefore poses some risk, a tree assessment is a good indication of present health and potential problems that could arise in the future.

Process:
Trees were identified, measured, and assessed for condition based on structural integrity, dieback and decay, vigour, insects and disease. Tree size is expressed in trunk diameter at 1.4m (4 1/2') 'breast height' above grade (DBH) or overall height, where applicable.

Each tree was given a subjective condition rating of Excellent, Good, Fair or Poor based on the following criteria:
 Excellent no apparent health problems; good structural form
 Good minor problems with health and/or structural form
 Fair more serious problems with health and/or structural form
 Poor major problems with health and structural form

- TREE PROTECTION NOTES:**
- Refer to Town of Cobourg Tree Preservation By-Law 020-2006.
 - All tree protection barriers shall be in place and approved by the Town prior to construction access.
 - All supports and stakes shall be outside of the tree protection zone and shall minimize root damage.
 - Tree protection barrier shall remain in place and in good condition until all construction is complete and removal is approved by Town.
 - No grade changes, trenching, storage of materials or equipment, liquid disposal, hard surfacing or vehicular traffic are permitted within this Tree Protection Zone (TPZ)
 - All arboriculture work such as pruning of branches or roots shall be done by a qualified tree worker certified with the International Society of Arboriculture (ISA) approved by the Town.
 - NO pruning shall be performed unless approved by the Town. Pruning to prevent or repair construction damage shall be done in accordance with ANSI A300 Part 1: Tree, Shrub and Other Wood Plant Maintenance - Standard Practices, Pruning
 - Tree protection barrier shall be high density polyethylene fencing with 3.5"x1.5" openings; colour - orange. Frame shall be 2"x6" steel posts at 6' spacing with 2"x4" hardwood top and bottom rails.
 - Signage may be required on fencing as directed by Town.

TREE NO.	SPECIES	SIZE	CONDITION	COMMENT	ACTION
1	Honeylocust (Gleditsia triacanthos)	45cm DBH	Good	suckering at base, large branches pruned from overhead wires	PRESERVE
2	Honeylocust (Gleditsia triacanthos)	25cm DBH	Good-Fair	narrow branch angles, pruned from overhead wires	PRESERVE
3	Honeylocust (Gleditsia triacanthos)	25cm DBH	Fair	suckering at base, pruned from overhead wires, sparse canopy	PRESERVE
4	Honeylocust (Gleditsia triacanthos)	25cm DBH	Good	suckering at base, pruned from overhead wires	PRESERVE
5	Austrian Pine (Pinus nigra)	34/35cm DBH	Fair-Good	forked at 1m height, narrow, pruned from adjacent tree	PRESERVE
6	Austrian Pine (Pinus nigra)	44.5cm DBH	Fair-Good	bulged roof flare, pruned up	PRESERVE
7	Austrian Pine (Pinus nigra)	53cm DBH	Fair-Good	4 stems at 2m height, pruned up	PRESERVE
8	Crimson Norway Maple (Acer platanoides)	30/30cm DBH	Fair-Poor	forked with included seam at 0.6m height, 25% dieback, dead branches	REMOVE - DEVELOPMENT CONFLICT
9	Honeylocust (Gleditsia triacanthos)	36cm DBH	Good	narrow rooting space	REMOVE - DEVELOPMENT CONFLICT
10	Linden (Tilia cordata)	36.5cm DBH	Good-Fair	multiple branch union, basketball net, service wires in canopy	REMOVE - DEVELOPMENT CONFLICT
11	Crimson Norway Maple (Acer platanoides)	37cm DBH	Good	exposed surface roots, lights strung in tree, service wire in canopy	REMOVE - DEVELOPMENT CONFLICT
12	Sugar Maple (Acer saccharum)	62cm DBH	Fair-Poor	included bark, dense branching, poor branch unions, central decay, 20% dieback	REMOVE - DEVELOPMENT CONFLICT
13	Crimson Norway Maple (Acer platanoides)	42cm DBH	Good	brick edge and perennials at base, twisted trunk, multiple branch union	REMOVE - DEVELOPMENT CONFLICT
14	Honeylocust (Gleditsia triacanthos)	43.5cm DBH	Fair	poor branch structure, large pruning wounds, service wire in canopy	REMOVE - DEVELOPMENT CONFLICT
15	Honeylocust (Gleditsia triacanthos)	42cm DBH	Good	large pruning wounds, but on trunk	REMOVE - DEVELOPMENT CONFLICT
16	Black Walnut (Juglans nigra)	23/15cm DBH	Good	trunks 1m apart	REMOVE - DEVELOPMENT CONFLICT
17	Crimson Norway Maple (Acer platanoides)	50.5cm DBH	Good	service wires in canopy	REMOVE - DEVELOPMENT CONFLICT
18	Crimson Norway Maple (Acer platanoides)	50cm DBH	Good	suckering at base, canker at base, twisted trunk	REMOVE - DEVELOPMENT CONFLICT
19	Sugar Maple (Acer saccharum)	38cm DBH	Fair	narrow branch angles, large pruning wounds, pruned from service wires	REMOVE - DEVELOPMENT CONFLICT
20	Honeylocust (Gleditsia triacanthos)	51.5cm DBH	Good	pruned up	REMOVE - DEVELOPMENT CONFLICT
21	Honeylocust (Gleditsia triacanthos)	48cm DBH	Good	pruned up	REMOVE - DEVELOPMENT CONFLICT
22	Norway Maple (Acer platanoides)	55cm DBH	Fair	multiple branch union, uneven canopy, pruned from service wires	REMOVE - DEVELOPMENT CONFLICT
23	Linden (Tilia cordata)	38cm DBH	Fair-Poor	poor structure, large branch failure, pruned from service wires	REMOVE - DEVELOPMENT CONFLICT
24	Honeylocust (Gleditsia triacanthos)	45cm DBH	Fair	suckering, pruned up, large pruning wounds, 20% dieback	REMOVE - DEVELOPMENT CONFLICT
25	Sugar Maple (Acer saccharum)	42.5cm DBH	Poor-Fair	large branch removed, 50% dieback, poor structure	REMOVE - DEVELOPMENT CONFLICT
26	Crimson Norway Maple (Acer platanoides)	45cm DBH	Poor-Fair	suckering at base, pruned up, large target canker	REMOVE - DEVELOPMENT CONFLICT
27	Austrian Pine (Pinus nigra)	46.5cm DBH	Good-Fair	buckthorn along fence	PRESERVE
28	Black Walnut (Juglans nigra)	32cm DBH	Good		REMOVE - DEVELOPMENT CONFLICT
29	Austrian Pine (Pinus nigra)	30cm DBH	Good-Fair	crowded by adjacent maple	PRESERVE
30	Sugar Maple (Acer saccharum)	50cm DBH	Good		PRESERVE
31	Norway Maple (Acer platanoides)	20cm DBH	Fair-Good	trunk next to building	REMOVE - DEVELOPMENT CONFLICT
32	Norway Maple (Acer platanoides)	50cm DBH	Good	dense canopy	REMOVE - DEVELOPMENT CONFLICT
33	Red Cedar (Juniperus virginiana)	20cm DBH	Good		REMOVE - DEVELOPMENT CONFLICT
34	Red Cedar (Juniperus virginiana)	40cm DBH	Good	pruned from service wire	REMOVE - DEVELOPMENT CONFLICT
35	Norway Maple (Acer platanoides)	25cm DBH	Good-Fair	trunk next to building	REMOVE - DEVELOPMENT CONFLICT
36	Serviceberry (Amelanchier canadensis)	18cm DBH	Good-Fair	trunk lean	REMOVE - DEVELOPMENT CONFLICT
37	Norway Maple (Acer platanoides)	suckers	--	group along fence with lilac, buckthorn and grape vine	REMOVE - DEVELOPMENT CONFLICT
38	Norway Maple (Acer platanoides)	suckers	--	suckers with buckthorn along fence	REMOVE - DEVELOPMENT CONFLICT
39	Flowering Crabapple (Malus spp.)	20/25cm DBH	Good	forked at 1m height, close to building	REMOVE - DEVELOPMENT CONFLICT
40	Sugar Maple (Acer saccharum)	80cm DBH	Fair-Good	multi-stem with crossing and included branches	REMOVE - DEVELOPMENT CONFLICT
41	Eastern White Cedar (Thuja occidentalis)	20cm DBH	Good-Fair	crowded by adjacent maple	REMOVE - DEVELOPMENT CONFLICT
42	Common Lilac (Syringa vulgaris)	5.10cm DBH	Fair	clump suckering along fence, deadwood at base, Norway Maple suckers	REMOVE - DEVELOPMENT CONFLICT
43	Honeylocust (Gleditsia triacanthos)	55cm DBH	Good	large pruning wounds	REMOVE - DEVELOPMENT CONFLICT
44	Honeylocust (Gleditsia triacanthos)	50cm DBH	Good	large pruning wounds, removed branch included stump	REMOVE - DEVELOPMENT CONFLICT
45	Sugar Maple (Acer saccharum)	55cm DBH	Fair-Good	pruned from overhead wires, included branch attachments, vertical seam, dense canopy	REMOVE - DEVELOPMENT CONFLICT
46	Sugar Maple (Acer saccharum)	55cm DBH	Fair-Good	pruned from overhead wires, narrow branch attachments, dead branches, included rope	REMOVE - DEVELOPMENT CONFLICT
47	Norway Maple (Acer platanoides)	sucker	--	included stems suckering along fence	REMOVE - DEVELOPMENT CONFLICT
48	Norway Maple (Acer platanoides)	sucker	--	included stems suckering along fence	REMOVE - DEVELOPMENT CONFLICT
49	Manitoba Maple (Acer negundo)	38/10cm DBH	Fair	3 stems around fence between yards	REMOVE - DEVELOPMENT CONFLICT
50	Elm (Ulmus spp.)	15cm DBH	Good	suckering from dead trunk at base	REMOVE - DEVELOPMENT CONFLICT
51	Black Walnut (Juglans nigra)	15cm DBH	Good		REMOVE - DEVELOPMENT CONFLICT
52	Sugar Maple (Acer saccharum)	50cm DBH	Fair-Good	narrow branch angles, included and split branch attachments, pruned up	REMOVE - DEVELOPMENT CONFLICT
53	Elm (Ulmus spp.)	30-40cm DBH	Fair	4 stem from base, suckering, pruned from overhead wires	REMOVE - DEVELOPMENT CONFLICT
54	Balsam Fir (Abies balsamea)	15cm DBH	Fair-Good	aparse, pruned up	REMOVE - DEVELOPMENT CONFLICT
55	Balsam Fir (Abies balsamea)	30cm DBH	Fair-Good	broken branch, pruned from locust	REMOVE - DEVELOPMENT CONFLICT
56	Honeylocust (Gleditsia triacanthos)	40cm DBH	Good-Fair		REMOVE - DEVELOPMENT CONFLICT
57	Elm (Ulmus spp.)	sucker	--	sucker along fence	REMOVE - DEVELOPMENT CONFLICT
58	Manitoba Maple (Acer negundo)	38/40cm DBH	Good-Fair	forked and suckering at base	REMOVE - DEVELOPMENT CONFLICT
59	Eastern White Cedar (Thuja occidentalis)	10/5-10cm	Good	elm sucker at end	REMOVE - DEVELOPMENT CONFLICT
60	Serviceberry (Amelanchier canadensis)	4@10-15cm	Fair	30% dieback, pruned	REMOVE - DEVELOPMENT CONFLICT
61	Eastern White Cedar (Thuja occidentalis)	30cm DBH	Good	dog strangling vine along fence	REMOVE - DEVELOPMENT CONFLICT
62	Austrian Pine (Pinus nigra)	45cm DBH	Fair	topped, pruned up	REMOVE - DEVELOPMENT CONFLICT
63	Austrian Pine (Pinus nigra)	50cm DBH	Fair	pruned up, limb in overhead wire	REMOVE - DEVELOPMENT CONFLICT

2 SPA RE-SUBMISSION 2021-04-06 GB
 1 ISSUED FOR SPA 2020-12-07 GB

No. Description Date By

Issue / Revision Schedule

Consultant:

NewLeaf Landscape Architecture Ltd.
 T: 905-373-5015 E: info@newleaf.pro

Disclaimer:
 All drawing information shall be checked and verified and any discrepancies reported in writing to the Designer before commencing any affected work. This drawing shall be used only for the project named on this drawing and for reference purposes only. This drawing shall not be scaled. This drawing is not for construction unless signed by the Designer.

This drawing and all aspects of its content are the copyright property of New Leaf Landscape Architecture Ltd. Reproduction in whole or in part, by any means whatsoever, without the express written permission of New Leaf Landscape Architecture Ltd., is prohibited.

Project:

ELGIN PARK REDEVELOPMENT PROJECT
 265 - 327 ELGIN STREET COBOURG, ON
 NORTHUMBERLAND COUNTY

Drawing Title:

TREE PRESERVATION PLAN

Designed By: GB Project #: 65-157
 Drawn By: GB Drawing #: TP1
 Approved By: BBA
 Date: OCT 2020