

City of Chilliwack

Bylaw No. 3585

A bylaw to establish requirements at the time of development for tree management

WHEREAS the *Community Charter*, S.B.C. 2003, authorizes Council to regulate, prohibit and impose requirements in relation to trees;

AND WHEREAS the *Community Charter*, S.B.C. 2003, authorizes Council to regulate, prohibit and impose requirements in relation to nuisances, disturbances and other objectionable situations, including trees, weeds or other growth that Council considers should be removed, cut down or trimmed;

AND WHEREAS Council considers it in the public interest, at the time of development approval, to provide for the protection and preservation of trees on real property not included in the Agricultural Land Reserve, to regulate their cutting and to require their replacement;

NOW THEREFORE, the Council of the City of Chilliwack, in open meeting assembled, enacts as follows:

1. This Bylaw may be cited for all purposes as **“Tree Management (Land Development) Bylaw 2008, No. 3585”**.

INTERPRETATION

2. In this bylaw:

“Agricultural Land Reserve” means agricultural land designated as an agricultural land reserve under the *Agricultural Land Commission Act* and includes an agricultural land reserve under a former Act;

“Certified Arborist” means a person certified by the International Society of Arboriculture or the National Arborist Association as an Arborist;

“development” means the improvement of land requiring the installation of works services, typically represented by a construction plan for subdivision, or a civil site plan for a building permit;

“development application” means an application submitted to the City under “Subdivision and Land Development Bylaw 2004, No. 3055”, “Zoning Bylaw 2001, No. 2800”, or “Building Regulation Bylaw 2003, No. 2970”, each as amended from time to time, and includes every application for subdivision or for a building permit;

- “Development Area” means land within one or more contiguous lots that is/are the subject of a Development Application and includes any building envelope, paved areas and areas disturbed by earthworks associated with the development.
- “Director of Development and Regulatory Enforcement Services” means the Director of Development and Regulatory Enforcement Services for the City of Chilliwack or any individual appointed or designated by Council to act in the place of the Director;
- “Director of Planning” means the Director of Planning for the City of Chilliwack or any individual appointed or designated by Council to act in the place of the Director;
- “dripline” means a line on the ground around the trunk of a tree directly beneath the ends of the outermost twigs and branches of that tree;
- “final approval” means that approval granted by the City Approving Officer when all relevant requirements of this Bylaw, the *Local Government Act*, the *Land Title Act* and all applicable Bylaws or other enactments have been fulfilled;
- “Fire Chief” means the Chief of the City of Chilliwack Fire Department or any other individual designated or appointed by Council to act in the place of the Chief;
- “hazardous tree” means a tree which, due to its location, condition, health or any other circumstances as determined by a Certified Arborist, presents a hazard to the safety of persons or to public or private property;
- “Hazardous Tree Assessment” means an assessment by a Certified Arborist of a standing hazardous tree for signs of structural weakness caused by growth habit, disease, decay or other reasons, and an assessment of whether or not damage, injury or death could occur in the potential fall zone;
- “Landscape Architect” means a person who is registered with the British Columbia Society of Landscape Architects in accordance with the provisions of the *Architects (Landscape) Act*;
- “Manager of Parks” means the Manager of Parks for the City of Chilliwack and any individual appointed or designated by Council to act in the place of the Manager;
- “MMCD Standards” means the specifications set out in the Master Municipal Construction Documents in relation to the planting of trees, shrubs and ground covers;
- “newly planted tree” means a coniferous tree of a minimum 2.5 metres in height or a deciduous tree of a minimum 6.0 centimetres caliper-measured at 1.5 metres above average natural ground, planted on a parcel in accordance with Schedules “D” or “E” of this Bylaw, but does not include a tree situated on undevelopable land or land to be dedicated or transferred to the City for park or green space purposes;

“Owner” means the registered owner of a parcel of land, who has made a development application to the City for, or is engaged in undertaking development on that land, and includes their duly authorized representative;

“protective barrier” means a physical barrier including a fence, box, frame, guard or other barrier placed around a tree or cluster of trees to indicate retention;

“prune” means the removal of living or dead parts of a tree, including branches, in order to reduce size, to maintain shape, health or flowering or to regulate growth;

“retained tree” means a coniferous tree of a minimum 2.5 metres in height or a deciduous tree of a minimum 6.0 centimetres caliper-measured at 1.5 metres above average natural ground, which is to remain on a parcel after development, but does not include a tree situated on undevelopable land, riparian land, or land to be dedicated or transferred to the City for park or green space purposes;

“riparian land” means the area adjacent to ditches, streams, lakes and wetlands;

“security” means a Letter of Credit or cash submitted with a development application in respect of ensuring completion of all tree retention, protection and replacement works and measures required by this Bylaw and submitted in an amount equal to 125% of the cost of the retention, protection or replacement in the estimation of the *Director of Development and Regulatory Enforcement Services*; (AB #3813)

“street tree” means a tree planted within a municipal road allowance and along strata road frontages in accordance with Schedule “E”;

“topping” means the removal of a tree top;

“Tree Management Plan” means a phased plan identifying the developer’s intentions with respect to trees;

“Tree Warranty Period” means a period of 2 years following the approval of a 50% Security Release, submitted in accordance with Schedule “B”;

“undevelopable land” means land with geotechnical hazards, riparian setbacks, or transmission lines.

APPLICATION

3. This Bylaw applies to every parcel not included in the Agricultural Land Reserve where a community plan has been adopted by Bylaw, and in respect of which a development application has been submitted.

EXEMPTIONS

4. Despite Section 3, this Bylaw does not apply to:
 - (1) agricultural zones located within the Agricultural Land Reserve;
 - (2) portions of parcels designated as riparian lands, conservation areas or areas designated by bylaw as non-disturbance areas;
 - (3) trees cut or removed under the Hydro Power and Authority Act; or
 - (4) land held by the City

- (5) development permit applications with a construction value of less than \$100,000.00;
- (6) subdivisions which only result in boundary adjustments; or,
- (7) building permits:
 - (a) for tenant improvements only; or,
 - (b) which relates to a single family dwelling unit within a lot and any associated buildings or structures.

GENERAL

- 5. The requirements of this Bylaw are in addition to any landscaping, screening and fencing requirements under “Zoning Bylaw 2001, No. 2800”, “Subdivision and Land Development Bylaw 2004, No. 3055”, and the Official Community Plan, each as amended from time to time.
- 6. The requirements of this Bylaw are the responsibility of the Owner.

TREE AND GREEN SPACE MANAGEMENT

- 7. Every Owner who plants trees in relation to new development or as required by a City bylaw or permit must meet the Tree Planting Requirements identified in Schedule “D” and the Street Tree Planting Requirements identified in Schedule “E”.
- 8. The Owner must ensure that each of its development sites has a tree density of at least 50 trees per hectare, comprising newly planted trees and retained trees, and including street trees required under Section 9. The Owner must achieve this tree requirement within the developable portion of each parcel, and a tree situated on undevelopable land, or land to be dedicated or transferred to the City for park or green space purposes shall not be included. Where a parcel is located within an industrial zone, the Owner may reduce the tree density to at least 25 trees per hectare and may also upon approval of the Director of Planning and Engineering or the Director of Development and Regulatory Enforcement Services, be permitted to meet this tree requirement for the Development Area only as defined in Section 2.
- 9. The Owner must plant street trees on its development sites along all municipal and strata road frontages in compliance with the Street Tree Planting Requirements attached as Schedule “E”.

REZONING OR DEVELOPMENT PERMIT APPLICATION

- 10. Subsections 11(1), (2) and (3) and 12(1), (2) and (3) do not apply to developments that will result in 3 or fewer residential lots or units.
- 11. The Owner must submit a Tree Management Plan with every Development Permit application with the exception for Development Permit Area No. 11 applications, and this Tree Management Plan must include the following:
 - (1) a Hazardous Tree Assessment done by a Certified Arborist or Landscape Architect in accordance with Sections 24 and 25;
 - (2) a Fire Risk Assessment submitted to the Fire Chief in accordance with Sections 28 and 29;

- (3) a report by a Certified Arborist or Landscape Architect identifying retained trees and newly planted trees to achieve the tree density requirements outlined in Section 8; and
 - (4) a detailed site plan showing:
 - (a) date, scale, north arrow, and the names, addresses, and telephone numbers of both the Owner and the person preparing the Tree Management Plan
 - (b) project name and street address;
 - (c) existing and proposed contour lines;
 - (d) approximate natural boundaries of existing water courses
 - (e) all developable and undevelopable land, riparian land, parks or land transferred to the City; and
 - (f) the driplines of existing trees, the location of retained trees and the location of newly planted trees.
- 12.** *The Director of Planning and Engineering may require the owner to submit a Tree Management Plan with any rezoning application and development application under “Zoning Bylaw 2011, No. 2800”, as amended from time to time, and this Tree Management Plan must include the following:*
- (1) *a Hazardous Tree Assessment done by a Certified Arborist or Landscape Architect in accordance with Sections 24 and 25;*
 - (2) *a Fire Risk Assessment submitted to the Fire Chief in accordance with Sections 28 and 29;*
 - (3) *a report by a Certified Arborist or Landscape Architect identifying retained trees and newly planted trees to achieve the tree density requirements outlined in Section 8; and,*
 - (4) *a detailed site plan showing;*
 - (a) *date ,scale, north arrow, and the names, addresses and telephone numbers of both the owner and the person preparing the Tree Management Plan;*
 - (b) *project name and street address;*
 - (c) *existing and proposed contour lines;*
 - (d) *approximate natural boundaries of existing water courses;*
 - (e) *all developable and undevelopable land, riparian land, parks or land transferred to the City; and,*
 - (f) *the driplines of existing trees and the locations of retained trees and newly planted trees (AB #3813)*

SUBDIVISION OR BUILDING PERMIT

13. Subsections 14(2)(a), (b) and (c), do not apply to developments that will result in 3 or fewer residential lots or units.
14. Final approval for a subdivision or for the issuance of a building permit is subject to the submission by the Owner, and the *Director of Development and Regulatory Enforcement Services* review and acceptance of the following: (AB #3813)
 - (1) security under Section 15;
 - (2) a Tree Management Plan including:
 - (a) a Hazardous Tree Assessment done by a Certified Arborist or Landscape Architect in accordance with Section ;
 - (b) a Fire Risk Assessment submitted to the Fire Chief in accordance with Sections 28 and 29;
 - (c) a report by a Certified Arborist or Landscape Architect identifying retained trees and newly planted trees; and
 - (d) detailed site plans showing:
 - (i) date, scale, north arrow, and the names, addresses, and telephone numbers of both the Owner and the person preparing the Tree Management Plan;
 - (ii) project name and street address;
 - (iii) existing and proposed contour lines;
 - (iv) approximate natural boundaries of existing water courses;
 - (v) project data information, including the total area of the property, building footprints, parking and other vehicular use areas, and landscaped areas (generally and extensively planted);
 - (vi) a complete description of retained and newly planted trees shown on the Tree Management Plan, including the names (common and botanical names), locations, quantities, caliper sizes, heights, and spread at installation for each newly planted tree, and the dripline for each retained tree. All planting must meet the requirements specified in Schedules “D” and “E” and must achieve the tree density requirements set out in Section 8; and,
 - (vii) a description of how existing vegetation proposed for preservation will be protected during construction.

SECURITY

15. The Owner must complete a Tree Summary Security Form, attached as Schedule “A”, at the time of subdivision approval or building permit issuance. The owner must pay tree management security, which shall be calculated in accordance with the values set out in Schedule “A”. *In the case of a phased subdivision, security payment may also be phased. The security amount is to reflect the number of trees being retained or provided within each phase of the development. (AB# 4038)*

16. *The Director of Planning and Engineering or the Director of Development and Regulatory Enforcement Services may require the owner to complete a Tree Security Form, attached as Schedule “A”, at the time of rezoning or development permit application. (AB #3813, AB# 4038)*
17. The Owner must provide security in the form of cash, or letter of credit in compliance with the City’s security policy under “Subdivision and Land Development Bylaw 2004, No. 3055”, as amended from time to time.
18. Once newly planted trees are installed and protective barriers are in place, the Owner may apply for a release of 50% of the security upon completion of a 50% Security Release, in the form set out in Schedule “B”. Retained and newly planted trees must be approved by the signature of a Certified Arborist or Landscape Architect as having been properly retained or planted.
19. After a 2-year Tree Warranty Period, the remaining security will be released to the Owner for successfully retained and newly planted trees within the development site. In order to obtain a release of the remaining funds, the Owner must first complete a Final Security Release in the form set out in Schedule “C”. The Final Security Release must be approved by the signature of a Certified Arborist or Landscape Architect, certifying that the retained or newly planted trees have been properly established so as to ensure a high probability of survival.

PROTECTIVE BARRIER

20. The Owner must protect all land dedicated or transferred to the City by erecting a fence around that dedicated or transferred land prior to any development. The Owner must ensure that the fence is 4 feet high, schedule 40 black powdercoated with 6 gauge black mesh. The on-site clearing or removal of any vegetation, the alteration of on-site grades, and the removal or deposition of soil from or to this dedicated or transferred land is prohibited.
21. The Owner must temporarily protect all undevelopable land not transferred to the City by erecting a protective barrier around that undevelopable land prior to any development. The on-site clearing or removal of any vegetation, the alteration of on-site grades, and the removal or deposition of soil from or to the undevelopable land is prohibited.
22. The Owner must protect every retained tree by erecting a protective barrier around each tree prior to any development in accordance with International Society of Arboriculture and provincial landscape standards. This is intended to protect against root system compaction and/or destruction and should take place under the direction of a Certified Arborist or Landscape Architect.

HAZARDOUS TREE ASSESSMENT

23. Prior to any and all development, the Owner must ensure that a Hazardous Tree Assessment is completed at the Owner’s sole cost to determine if there is imminent danger of a tree, or any part of a tree within reach of the developable parcel edge, falling and damaging the parcel or injuring individuals within the developable acreage.

24. The Hazardous Tree Assessment must be done under the direction of a Certified Arborist or Landscape Architect, and the Owner must submit the completed Hazardous Tree Assessment prior to final approval of subdivision or issuance of a building permit.
25. The Owner must ensure that all hazardous trees identified during a Hazardous Tree Assessment are removed or modified at the Owner’s cost as follows:
 - (1) if Section 23 applies to a tree located within adjacent public land, or riparian land, the Owner must cut and remove the tree or must leave the tree on the affected land as directed by the Manager of Parks;
 - (2) if Section 23 applies to a tree located within a parcel bordering the parcel to be developed, the Owner must seek the written permission of the owner of that adjacent parcel prior to cutting, removing or relocating the tree.
 - (3) If Section 25(2) results in the owner of the adjacent parcel refusing to negotiate with the Owner, Council may serve notice upon the Owner allowing the Owner to take the required action if Council considers that the tree in question is:
 - (a) a hazard to the safety of persons or property; or
 - (b) likely to damage property.
26. Despite Sections 23, 24 and 25, an Owner may prune a tree as required, but may not top a tree. All pruning shall be carried out using sound arboricultural practice, being pruning activities that ensure the health and sustainability of the tree.

FIRE RISK ASSESSMENT

27. Sections 28 and 29 do not apply to developments that will result in 3 or fewer residential lots or units.
28. Prior to development on a parcel, the Owner must submit an interface fire hazard plan called a Fire Risk Assessment for every new development located in a moderate to extreme fire hazard area, as identified in Schedule “F”. The Fire Risk Assessment must be prepared by a registered professional forester or a registered professional engineer qualified to assess interface fire hazards and make recommendations to mitigate the hazard to development.
29. The Owner must submit the Fire Risk Assessment to the Fire Chief prior to final approval of subdivision and/or issuance of a building permit.

OFFENCES AND PENALTIES

30. Every person who violates any provision of this Bylaw commits an offence punishable on summary conviction and
 - (1) is liable to a fine of not less than Two Thousand Dollars (\$2,000.00) and not more than Ten Thousand Dollars (\$10,000.00), and
 - (2) if the offence is a continuing offence, each day that offence is continued will constitute a separate offence, and the person is liable for an additional fine of not less than Two Thousand Dollars (\$2,000.00) and not more than Ten Thousand Dollars (\$10,000.00) in respect of each day.

SEVERABILITY

31. If a provision or part of a provision of this Bylaw is found by a Court of competent jurisdiction to be invalid or unenforceable, it shall be severed and the validity of the remaining provisions shall not be affected.

SCHEDULES

32. The following Schedules are attached to and form part of this Bylaw:

- Schedule “A” - Tree Summary Security Form
- Schedule “B” – 50% Security Release
- Schedule “C” – Final Security Release
- Schedule “D” – Tree Planting Requirements
- Schedule “E” – Street Tree Planting Requirements
- Schedule “F” – Chilliwack Fire Hazard Areas

Received first reading on the 20th day of October, 2008.

Received second reading on the 20th day of October, 2008.

Received third reading on the 20th day of October, 2008.

Finally passed and adopted on the 8th day of September, 2008.

Amendment Bylaw No. 3813 adopted on the 15th day of November, 2011.

Amendment Bylaw No. 4038 adopted on the 15th day of July, 2014.

Amendment Bylaw No. 5310 adopted on the 2nd day of May, 2023.

“Sharon Gaetz”

.....
Mayor

“Robert L. Carnegie”

.....
Clerk

CITY OF CHILLIWACK
“Tree Management (Land Development) Bylaw 2008 No. 3585”
Schedule “A”
Tree Summary Security Form

Date: _____ File # _____
 Project Name: _____
 Project Location: _____
 Owner Name: _____
 Address: _____ Telephone: () _____
 _____ Fax: () _____
 _____ Email: _____

Summary of retained trees and newly planted trees on developable land
 To be completed by the Owner at the time of subdivision approval or building permit issuance.
 Security is calculated based on the number of retained trees and newly planted trees on the developable portion of the site.

		# of Trees	Value	Total
1.	Retained trees		@ \$300.00	= \$
2.	Newly planted trees		@ \$300.00	= \$
3.	Security is based on 125% of total		X 25%	= \$
4.	Actual security provided upon development application approval			= \$
	Must be 50/hectare minimum			

Owner Signature: _____ Developable Land = _____ Ha

Confirmation: A Certified Arborist or Landscape Architect has provided an attached report to confirm the number of trees retained or replaced under numbers 1 and 2 (applicable only to developments that will result in 3 or more residential units or lots). The signature below also certifies that the proposed planting and retention is in accordance with “Tree Management (Land Development) Bylaw 2008 No. 3585” and MMCD Standards.

Tree Management Plan Attached:

Updated Planting Plan

Tree Retention Plan

Hazard Tree Assessment

Fire Risk Assessment

Certified Arborist or Landscape Architect Signature: _____
 Certified Arborist or Landscape Architect Name (Please Print) _____
 Company: _____ Email: _____
 ISA #: _____ Or BCSLA # _____
 Telephone: () _____ Fax: () _____

(AB# 4038)

CITY OF CHILLIWACK
“Tree Management (Land Development) Bylaw 2008 No. 3585”
Schedule “B”
50% Security Release

Date: _____ File # _____
 Project Name: _____
 Project Location: _____
 Owner Name: _____
 Address: _____ Telephone: () _____
 _____ Fax: () _____
 _____ Email: _____

Summary of retained trees, and newly planted trees on developable land

*The following security release may only be applied for at completion of installation.
 The following must be completed by a Certified Arborist or a Landscape Architect (when in association with developments that will result in 3 or more residential lots or units).*

		<i>Proposed From Schedule “A”</i>	<i>Actual # of Trees</i>	<i>Value</i>	<i>Total</i>
1.	<i>Protected, retained trees</i>			<i>@ \$300.00</i>	<i>= \$</i>
2.	<i>Newly planted trees</i>			<i>@ \$300.00</i>	<i>= \$</i>
3.	<i>Trees in place at completion of installation (1+ 2)x125%*</i>			<i>(1+2) x125%</i>	<i>= \$</i>
4.	<i>Security release of 50%</i>			<i>3 x 50%</i>	<i>= \$</i>
	<i>Must be 50/hectare minimum</i>				

**This excludes trees located in riparian areas, designated buffers and on undevelopable land.*

Owner Signature: _____ Developable Land = _____ Ha

Confirmation: *A Certified Arborist or Landscape Architect has provided an attached report to confirm the number of trees retained or replaced under numbers 1 and 2 (applicable only to developments that will result in 3 or more residential units or lots). The signature below also certifies that the planting and retention is in accordance with “Tree Management (Land Development) Bylaw 2008 No. 3585” and MMCD Standards.*

Tree Management Plan Attached:

- Updated Planting Plan
- Tree Retention Plan
- Hazard Tree Assessment
- Fire Risk Assessment

Certified Arborist or Landscape Architect Signature: _____
 Certified Arborist or Landscape Architect Name (Please Print) _____
 Company: _____ Email: _____
 ISA #: _____ Or BCSLA # _____
 Telephone: () _____ Fax: () _____

(AB# 4038)

CITY OF CHILLIWACK
“Tree Management (Land Development) Bylaw 2008 No. 3585”
Schedule “C”
Final Security Release

Date: _____ File # _____
 Project Name: _____
 Project Location: _____
 Owner Name: _____
 Address: _____ Telephone: () _____
 _____ Fax: () _____
 _____ Email: _____

Summary of retained trees, and newly planted trees on developable land
 The following security release may only be applied for after the Tree Warranty Period.
 The following must be completed by a Certified Arborist or a Landscape Architect (when in association with developments that will result in 3 or more residential units or lots).

		Proposed From Schedule “A”	Actual # of Trees	Value	Total
1.	Protected, retained trees			@ \$300.00	= \$
2.	Newly planted trees			@ \$300.00	= \$
3.	Trees in place and healthy 2 years after completion of installation (1+ 2)x 125% *			(1+2) x125%	= \$
4.	Previous security release				= \$
5.	Final security release				= \$
	Must be 50/hectare minimum				

*This excludes trees located in riparian areas, designated buffers and on undevelopable land.

Owner Signature: _____ Developable Land = _____ Ha

Confirmation: A Certified Arborist or Landscape Architect has provided an attached report to confirm the number of trees retained or replaced under numbers 1 and 2 (applicable only to developments that will result in 3 or more residential units or lots). The signature below also certifies that the planting and retention is in accordance with “Tree Management (Land Development) Bylaw 2008 No. 3585” and MMCD Standards.

Certified Arborist or Landscape Architect Signature: _____
 Certified Arborist or Landscape Architect Name (Please Print) _____
 Company: _____ Email: _____
 ISA #: _____ Or BCSLA # _____
 Telephone: () _____ Fax: () _____

(AB# 4038)

“Tree Management (Land Development) Bylaw 2008, No. 3585” – Schedule “D”

CITY OF CHILLIWACK
“Tree Management (Land Development) Bylaw 2008 No. 3585”
Schedule “D”
Tree Planting Requirements

D-1 Newly planted trees shall only be planted with the approval of:

- (1) the Director of Development and Regulatory Enforcement Services with regard to planting on individual lots; and/or
- (2) the Manager of Parks with regard to planting in park, landscape, greenway, buffer or environmental areas within or adjacent to the development site.

D-2 Newly planted trees shall be installed as per MMCD Standards and must be chosen from the following list unless otherwise permitted by the Director of Development and Regulatory Enforcement Services or the Director of Planning and Engineering:

Coniferous Trees @ Minimum of 2.5 ht:		Deciduous Trees @ 6cm cal. Minimum:	
<i>Scientific Name</i>	<i>Common Name</i>	<i>Scientific Name</i>	<i>Common Name</i>
<i>Abies amabilis</i>	<i>Amabilis Fir</i>	<i>Native Deciduous</i>	
<i>Abies grandis</i>	<i>Grand Fir</i>	<i>Acer circinatum</i>	<i>Vine Maple</i>
<i>Abies lasiocarpa</i>	<i>Alpine Fir</i>	<i>Cascara sagrada (Rhamnus purshiana)</i>	<i>Cascara</i>
<i>Chamaecyparis nootkatensis</i>	<i>Nootka Cypress</i>	<i>Cornus nuttallii</i>	<i>Pacific Dogwood</i>
<i>Larix occidentalis</i>	<i>Western Larch/West American Larch</i>	<i>Sorbus americana</i>	<i>N. American Mountain Ash</i>
<i>Larix laricina</i>	<i>Tamarack/Hackmatack American Larch</i>	<i>Malus fusca</i>	<i>N. American Crab Apple/Oregon Crab</i>
<i>Picea engelmannii</i>	<i>Engelman Spruce</i>	<i>Apple crataegus sp.</i>	<i>N. American Hawthorn</i>
<i>Picea glauca</i>	<i>Blue Spruce</i>	<i>Exotic Non-Native Deciduous</i>	
<i>Picea omorika</i> var.	<i>Serbian Spruce</i>	<i>Acer palmatum</i> var.	<i>Japanese Maple</i>
<i>Picea sitchensis</i>	<i>Sitka Spruce</i>	<i>Acer, rubrum grieseum, ginnala negundo, davidii etc</i>	<i>E. North American Maples</i>
<i>Sequoiadendron giganteum</i>	<i>Giant Sequoia</i>	<i>Cercis canadensis</i> var.	<i>Canadian Redbud</i>
<i>Cedrus atlantica 'Glauca'</i>	<i>Blue Atlas Cedar</i>	<i>Cercidiphyllum japonica</i>	<i>Katsura</i>
<i>Pinus contorta</i>	<i>Western Shore Pine</i>	<i>Cornus kousa</i>	<i>Kousa Dogwood (korea, Japan)</i>
<i>Pseudotsuga menziesii</i>	<i>Douglas Fir</i>	<i>Cornus X "Eddies White Wonder"</i>	<i>N. American Cultivar of C. Florida and C. Nuttallii</i>
<i>Taxus brevifolia</i>	<i>Pacific Yew</i>	<i>Davidia involucrate</i>	<i>Dove Tree</i>
<i>Thuja plicata</i>	<i>Western Red Cedar</i>	<i>Fraxinus oxycarpa "Raywood"</i>	<i>Raywood Ash</i>
Broadleaf Evergreen Trees @ 6cm cal. min		<i>Fagus sylvatica "Riversii"</i>	<i>Rivers European Beech</i>
<i>Magnolia grandiflora</i> var.	<i>Southern Evergreen Magnolia</i>	<i>Gleditsia triacanthos Inermis "Shade Master" Var.</i>	<i>Honey Locust</i>
(AB# 4038)		<i>Liquidambar styraciflua</i>	<i>Sweet Gum</i>
		<i>Liriodendron tulipifera</i>	<i>Tulip Tree</i>
		<i>Magnolia stellata</i>	<i>Star Magnolia</i>
		<i>Mognolia soulangiana</i> var.	<i>Saucer Magnolia</i>
		<i>Malus sp. Var.</i>	<i>Ornamental Flowering Crab Apples</i>
		<i>Parrotia persica</i>	<i>Persian Ironwood</i>
		<i>Prunus yedoensis "Akebono"/Prunus blireiana</i>	<i>Ornamental Flowering Plums</i>
		<i>Quercus sp.</i>	<i>Oak</i>
		<i>Sorbus aucuparia</i>	<i>European Mountain Ash</i>

CITY OF CHILLIWACK
“Tree Management (Land Development) Bylaw 2008 No. 3585”

Schedule “E” – Page 1 of 5
Street Tree Planting Requirements

- E-1 Street trees shall be planted with the approval of the Manager of Parks.
- E-2 The spacing between street trees shall be equal to the tree spread where possible.
- E-3 Tree caliper shall be a minimum of 6cm.
- E-4 Street trees shall be installed as per MMCD Standards and chosen from the following list:

Small Trees: Appropriate under lower power lines. Good for planting strips with limited space. Choose from this page only.

Botanical Name (Common Name)	Height in metres	Spread in metres	Flowers	Fall Color
<i>Acer campestre</i> 'Red Shine'	8	8		yes
<i>Acer campestre</i> 'Evelyne'	8	8		yes
<i>Acer ginnala</i> 'Flame'	7	7		yes
<i>Acer griseum</i>	8	6		yes
<i>Acer palmatum</i>	7	8	small red	yes
<i>Acer platanoides</i> 'Columnare'	9	5		yes
<i>Acer platanoides</i> 'Crimson Sentry'	7	4		yes
<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	7	5	white	yes
<i>Amelanchier x grandiflora</i> 'Princess Diana'	7	5	white	yes
<i>Carpinus japonica</i>	8	5		
<i>Cercis canadensis</i>	9	9	red	yes
<i>Cercis canadensis</i> 'Forest Pansy'	9	9	red	
<i>Cornus florida</i>	9	9	white	yes
<i>Cornus kousa</i> 'Chinensis'	6	6	white	yes
<i>Cornus kousa</i> 'Satomi'	6	6	pink	yes
<i>Cornus rutban</i> 'Aurora'	7	5	white	yes
<i>Cornus rutgan</i> 'Stellars Pink'	6	6	pink	yes
<i>Crataegus x lavalleyi</i>	7	5	white	yes
<i>Magnolia acuminata</i> 'Yellowbird'	7	4	yellow	yes
<i>Magnolia</i> 'Elizabeth'	8	5	yellow	
<i>Magnolia</i> 'Forest's Pink'	7	5	pink	
<i>Magnolia</i> 'Galaxy'	7	4	pink	
<i>Magnolia grandiflora</i> 'Little Gem'	5	3	white	
<i>Magnolia</i> 'Vulcan'	7	4	pink	
<i>Prunus serrulat</i> 'Amanogawa'	7	2	pink	yes
<i>Prunus x yedoensis</i> 'Akebono'	8	8	pink	yes
<i>Stewartia pseudocamellia</i>	8	7	white	yes
<i>Styrax japonica</i>	7	7	white	
<i>Styrax obassia</i>	8	5	white	
<i>Syringa</i> 'Ivory Silk'	7	5	white	

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Schedule “E” – Page 2 of 5
Street Tree Planting Requirements

- E-1 Street trees shall be planted with the approval of the Manager of Parks.
- E-2 The spacing between street trees shall be equal to the tree spread where possible.
- E-3 Tree caliper shall be a minimum of 6cm.
- E-4 Street trees shall be installed as per MMCD Standards and chosen from the following list:

Small/Medium Trees: Appropriate under higher power lines management required to maintain clearance under lower power lines). Good for standard 5’ planting strips. Choose from pages 1-2 in Schedule “E”.

Botanical Name (Common Name)	Height in metres	Spread in metres	Flowers	Fall Color
<i>Acer campestre</i> 'Evelyn'	10	9		yes
<i>Acer campestre</i> 'Red Shine'	8	8		
<i>Acer cappadocicum</i>	11	10		
<i>Acer platanoides</i> 'Royal Red'	10	7		yes
<i>Acer platanoides</i> 'Crimson King'	10	8		yes
<i>Acer rubrum</i> 'Columnaire'	9	5		
<i>Acer truncatum</i> 'Pacific Sunset'	9	8	yellow	yes
<i>Acer truncatum</i> 'Norwegian Sunset'	9	8	yellow	yes
<i>Carpinus Japonica</i>	8	5		
<i>Crataegus x laavali</i>	9	6	white	yes
<i>Cornus nuttallii</i>	12	9	white	yes
<i>Magnolia grandiflora</i> 'Victoria'	8	7	white	evergreen
<i>Magnolia seiboldii</i>	9	6	white	
<i>Magnolia denudata</i>	9	7	white	
<i>Magnolia kobus</i>	9	7	white	
<i>Parrotia persica</i> 'Inges Ruby Vase'	10	6		
<i>Parrotia persica</i>	9	6		yes
<i>Phellodendron amurense</i>	10	8		
<i>Sorbus aucuparia</i> 'Mitchred'	10	7	white	yes
<i>Sorbus x hybridia</i>	10	7	white	yes
<i>Tilai crodata</i>	10	7	no	yes
<i>Fraxinus ornus</i> 'Airie Peters'	10	7	white	yes
<i>Magnolia galaxy</i>	10	6	pink	
<i>Magnolia vulcan</i>	8	4	pink	
<i>Stewartia pseudocamellia</i>	10	7	white	yes

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Schedule “E” – Page 3 of 5
Street Tree Planting Requirements

- E-1 Street trees shall be planted with the approval of the Manager of Parks.
- E-2 The spacing between street trees shall be equal to the tree spread where possible.
- E-3 Tree caliper shall be a minimum of 6cm.
- E-4 Street trees shall be installed as per MMCD Standards and chosen from the following list:

Medium/Large Trees: Not appropriate under wires. Approved for planting strips greater than 5’. (Wider planting strips recommended where space allows). Choose from pages 1-3 in Schedule “E”.

Botanical Name (Common Name)	Height in metres	Spread in metres	Flowers	Fall Color
<i>Acer nigrum</i> 'Green column'	15	5		
<i>Acer platanoides</i> 'Columnar'	13	5		yes
<i>Acer platanoides</i> 'Deborah'	15	13		yes
<i>Acer platanoides</i> 'Drummonii'	12	8		yes
<i>Acer platanoides</i> 'Emerald Queen'	13	12		yes
<i>Acer platanoides</i> 'Fairview'	13	12		yes
<i>Acer platanoides</i> 'Parkway'	12	8		yes
<i>Acer platanoides</i> 'Royal Red'	13	10		yes
<i>Acer rubrum</i> 'Bowhall'	13	5		yes
<i>Acer rubrum</i> 'Karpick'	13	7		yes
<i>Acer rubrum</i> 'Morgan'	13	11		yes
<i>Acer rubrum</i> 'Scarlet Sentinel'	12	10		yes
<i>Carpinus betula</i> 'Fastigiata'	11	8		
<i>Cercidiphyllum japonica</i>	12	12		yes
<i>Fagus sylvatica</i> 'Dawyck'	13	4		
<i>Fraxinus excelsior</i> 'Westhof's Glory'	15	15		
<i>Fraxinus ornus</i>	13	10	white	
<i>Fraxinus ornus</i> 'Airy Peters'	12	8	white	
<i>Ginkgo biloba</i>	15	12		yes
<i>Ginkgo biloba</i> 'Princeton Sentry'	13	5		yes
<i>Gleditsia triacanthos</i> 'Halka'	12	12	white	yes
<i>Nothofagus antarctica</i>	12	8		
<i>Nyssa sylvatica</i>	12	7		yes
<i>Quercus acutissima</i>	14	14		
<i>Quercus phellos</i>	13	12		
<i>Robinia pseudoacacia</i> 'Inermis'	12	9	white	yes
<i>Tilia cordata</i> 'Chancellor'	11	6		
<i>Tilia cordata</i> 'Greenspire'	12	10		

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Schedule “E” – Page 4 of 5
Street Tree Planting Requirements

- E-1 Street trees shall be planted with the approval of the Manager of Parks.*
- E-2 The spacing between street trees shall be equal to the tree spread where possible.*
- E-3 Tree caliper shall be a minimum of 6cm.*
- E-4 Street trees shall be installed as per MMCD Standards and chosen from the following list:*

Medium/Large Trees: Not appropriate under wires. Approved for planting strips greater than 5'. (Wider planting strips recommended where space allows). Choose from pages 1-4 in Schedule “E”.

Botanical Name (Common Name)	Height in metres	Spread in metres	Flowers	Fall Color
<i>Acer saccharum 'Legacy'</i>	16	11		yes
<i>Fagus sylvatica 'Red Obelisk'</i>	13	4		yes
<i>Liquidambar styraciflua 'Festival'</i>	13	7		yes
<i>Liquidambar styraciflua 'Worpelsdon'</i>	13	8		yes
<i>Liriodendron tulipifera</i>	20	10	white	yes
<i>Parrotia persica 'Ingas Ruby Vase'</i>	13	9		yes
<i>Quercus coccinea</i>	16	13		
<i>Quercus robur</i>	16	13		
<i>Quercus robur 'fastigiata'</i>	15	5		
<i>Quercus rubra</i>	16	15		
<i>Zelkova serrata 'Greenvase'</i>	16	13		yes
<i>Zelkova serrata 'Village Green'</i>	13	12		yes

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Street Tree Planting Requirements

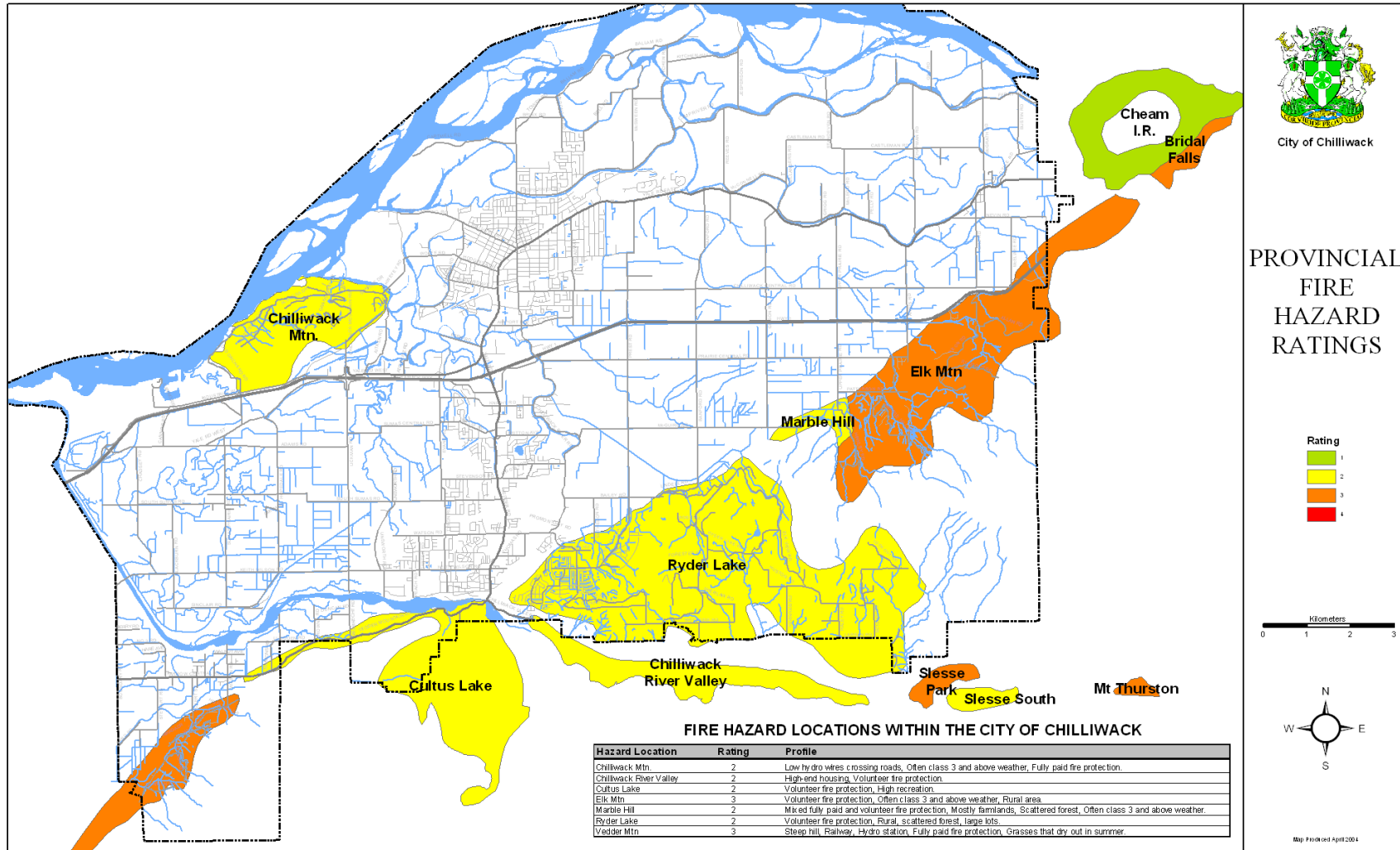
- E-1 Street trees shall be planted with the approval of the Manager of Parks.
- E-2 The spacing between street trees shall be equal to the tree spread where possible.
- E-3 Tree caliper shall be a minimum of 6cm.
- E-4 Street trees shall be installed as per MMCD Standards and chosen from the following list:

Large Trees: Not appropriate under wires. Approved for planting strips greater than 5’. Choose from pages 1-5 in Schedule “E”.

Botanical Name (Common Name)	Height in metres	Spread in metres	Flowers	Fall Color
<i>Acer saccharum</i> 'Barrett Cole'	18	13		yes
<i>Acer saccharum</i> 'Green Mountain'				
<i>Acer x freemanii</i> 'Autumn Blaze'	16	12		yes
<i>Cercidiphyllum japonicum</i>	15	12		yes
<i>Fagus sylvatica</i>	16	13		
<i>Fagus sylvatica</i> 'Red Obelisk'	17	4		yes
<i>Gymnocladus dioica</i>	22	17		yes
<i>Liquidamber styraciflua</i> 'Festival'	13	7		yes
<i>Liquidamber styraciflua</i> 'Worpelsdon'	13	8		yes
<i>Liriodendron tulipifera</i>	20	10	white	
<i>Nothofagus antarctica</i>	16	10		yes
<i>Nyssa sylvatica</i>	25	7		yes
<i>Quercus coccinea</i>	16	13		
<i>Quercus palustris</i>	25	14		
<i>Quercus robur</i>	16	13		
<i>Quercus robur</i> 'Fastigiata'	15	5		
<i>Quercus rubra</i>	16	15		
<i>Robinia pseudoacacia</i> 'Frisia'	16	8	white	yes
<i>Zelkova serrata</i> 'Greenvase'	16	13		yes
<i>Zelkova serrata</i> 'Village Green'	13	12		yes

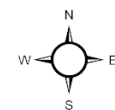
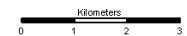
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Schedule “F”
Chilliwack Fire Hazard Areas



City of Chilliwack

**PROVINCIAL
 FIRE
 HAZARD
 RATINGS**



Map Prepared April 2004

CDMA_P2_0_CIFR&APC/BA/FHazard/2004/04/20041117.rvt