

The City of Delta requires an Arborist Report prepared by a Certified Arborist registered with the International Society of Arboriculture (ISA) when there are trees on or within 2 m of the subject site that may be affected by a proposal. An Arborist Report is required for:

- Development applications where trees are proposed to be retained, removed and/or replaced as part of the development (e.g., rezoning, subdivision, development permit, development variance permit);
- Development applications involving sites subject to hazardous conditions and/or environmental protection;
- Heritage applications involving sites where existing trees form part of the heritage value or where trees are proposed to be retained, removed and/or replaced;
- Tree cutting permit applications involving multiple tree removals, or trees protected under a restrictive covenant or land use contract registered on title of the property; and
- At the request of the Director of Community Planning & Development as per the “Delta Tree Cutting Regulation Bylaw No. 7415, 2015”.

Have you included the minimum requirements below in your Arborist Report?

#### Arborist Information:

- Contact Information: Arborist and company name, address, phone number and email address
- Proof of professional liability insurance
- Arborist ISA certification number
- Tree Risk Assessor certification number (required for hazardous tree assessments)
- Signature of Arborist

#### General Project Information:

- Name and contact information of client
- Address of subject property
- Delta project number, where applicable
- Date of site visit
- Date report is submitted
- Scope of work for the Arborist
- Description of proposed development/construction works on site, including proposed changes to lot grading

Arborist reports must be submitted in **colour** and include **colour photographs** clearly showing all trees.



## Tree Information:

- Location, number, species, photographs, diameter at breast height (DBH)\* and condition of existing “trees”, as defined in the “Delta Tree Cutting Regulation Bylaw No. 7415, 2015”, on the subject property.
- Location, number, species, photographs, DBH\* and condition of *all* existing neighbouring trees (including trees smaller than 20 cm in DBH) and hedges which are within 2 m of the common property line or whose crown (drip line) encroaches onto the subject property.
- Location, number, species, photographs, DBH\* and condition of *all* existing boulevard trees adjacent to the subject property.
- Location, number, species, photographs, DBH\* and condition of *all* existing trees that will become attached to the property due to land acquisition.
- Tree Risk Assessor’s hazard rating (including all calculations) and a detailed description of potential targets (threat to life and/or property) for hazardous trees.

\* Diameter at breast height (DBH) is measured to the nearest 1 cm.

## Tree Impact Assessment and Mitigation:

- Tree data table to outline or summarize specific tree information (see sample attached) - the table must correspond to the proposed Tree Retention Plan.
- Assessment of the potential impact of the proposed development/construction on the trees on and adjacent to the subject site.

*Note: To make an adequate impact assessment, the applicant must provide the arborist with up-to-date drawings showing the proposed property lines and building envelopes, as well as the location of proposed driveways, roads and utility corridors. The applicant must provide the arborist with details of any changes to existing grades or proposed retaining walls. Such details must be included on the Tree Retention Plan.*

- Recommendations on tree retention and tree removal based on the impact assessment - consider mitigation before removal; and any recommendations for tree removal will require the reason for removal and methods of removal clearly stated.
- Transplanting specifications when moving and replanting of a tree are recommended - these specifications should include methods of removal (such as size of spade required), method of transport, storage and replanting.



- A Tree Retention Plan that includes:
  - Tree identification numbers, physical location of tree trunks and actual dripline diameters - an existing tree survey may be used but the actual dripline locations are required. Identify trees in the field to coincide with the Tree Retention Plan, using durable tags;
  - Detailed descriptions of mitigation measures for the retained trees - these measures must include tree protection fencing. The location and dimensions of the tree protection fencing must be detailed on the Tree Retention Plan. Include other site-specific measures as deemed necessary. This may include, but not be limited to relocation of retaining walls or perimeter drainage, relocation of utility installation or connections, hand digging, root pruning, and construction of tree wells;
  - Existing tree grades (i.e. tree base elevations);
  - Existing and proposed grades at lot corners;
  - The highest elevation of the crown of any public road abutting the lot; and
  - Any other information requested by Delta staff.

*Note: The Tree Retention Plan may need to be revised and re-submitted to incorporate comments provided by Delta staff. The final Tree Retention Plan will be the primary document of reference in identifying trees to be retained and removed at the time of development.*

- A Tree Replacement Plan (if any trees are proposed to be removed) showing the number, location, species and size of replacement trees.

***No trees are to be removed until authorization for removal has been received from the City of Delta. Failure to obtain authorization may result in legal action pursuant to the “Delta Tree Cutting Regulation Bylaw No. 7415, 2015”. Prior to undertaking any works on the site, all trees proposed for retention must be properly protected, and protection measures must be inspected and approved by Community Planning & Development staff.***



## Sample Tree Table

Tree #	Species	DBH <sup>1</sup> (cm)	Condition Rating	Observations and Recommendations	Barrier Dimensions (m)
103	Cypress	25+16= 41	Fair	<ul style="list-style-type: none"> <li>75% live crown ratio (LCR);</li> <li>Co-dominants attach at base</li> <li><b>Retain</b></li> <li>Location near new driveway requires crown-raising by arborist post-construction; suppress prune smaller trunk</li> </ul>	2.3
104	Cypress	--	Dead	<ul style="list-style-type: none"> <li><b>Remove</b></li> </ul>	
105-130	Western Red Cedar hedgerow	27-33	Fair	<ul style="list-style-type: none"> <li>25 trees on 3' centres, repeatedly topped</li> <li>Located on 164<sup>th</sup> frontage, within proposed 2m land dedication for road widening</li> <li><b>Remove</b></li> </ul>	
131	Western Red Cedar	30	Fair	<ul style="list-style-type: none"> <li>Permit-sized tree in non-permit sized hedgerow on east boundary</li> <li>Previously topped, will not benefit from release from hedge</li> <li><b>Remove</b></li> </ul>	
132	Plum	15+15+12= 42	Poor	<ul style="list-style-type: none"> <li>Bacterial blight, black knot, decay and cavities at old pruning wounds, declining</li> <li><b>Remove</b></li> <li>Stump to remain or ground to surface to avoid impacting #152</li> </ul>	
133	Austrian Pine	71	Good	<ul style="list-style-type: none"> <li>Codominant at 2m, full, healthy crown</li> <li>Located almost on front P/L</li> <li><b>Retain</b></li> <li>Utility installation/ connections, building excavations must be outside of tree protection barrier (TPB); any incursions into TPB requires arborist to be on-site</li> </ul>	4.3
134	Douglas-fir	48	Good	<ul style="list-style-type: none"> <li>Open grown, raised crown with 50% LCR; Located to east side of 3 DF on adjacent property</li> <li><b>Retain</b></li> <li>Building plans show slab excavation inside TPB, adapt construction method</li> </ul>	2.9
135-144	Douglas-fir	43-49	Good	<ul style="list-style-type: none"> <li>Cluster of DF located in building and parking envelopes</li> <li><b>Remove</b> or else change plan</li> </ul>	
145	Dawn-redwood	31	Good	<ul style="list-style-type: none"> <li>Young tree beside present driveway which is to be removed</li> <li><b>Retain</b></li> <li>TPB at edge of driveway for demo, arborist to be on-site for lifting driveway and correct TPB install</li> </ul>	1.2 at demo; 1.9, post driveway removal

<sup>1</sup>DBH = Diameter at breast height measured to the nearest 1 cm at 1.4 m above the base

