



Arborist Report

Inventory and Assessment of Trees Associated to Construction at
103 Ioco Road, Port Moody

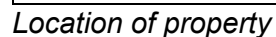
February 2, 2021

Terry Thrale, Diploma for Horticulture,
International Society of Arboriculture Certified Arborist PN 6766A

Kimberley Dahl
ISA Certified Arborist and Tree Risk Assessor PN 7658A

Woodridge Tree has been retained to undertake an inventory and assessment of trees associated with the works proposed at 103 loco Road, Port Moody. The objective is to make tree preservation and protection recommendations in the context of municipal permits, rules and regulations for development.

The observations recorded are based on inspections performed on February 1, 2021



Findings

The property at 103 loco Rd is located on the North side of the road at the intersection with Barnet Highway. Associated trees were comprised of native conifers and ornamental deciduous species. Trees located on the subject property, City and neighbours' trees close to the property lines are considered in the findings of this report.



image of property from street at time of field data collection

Tree Inventory and Assessment

- **dbh** - Diameter at 1.4m height measured in centimeters
 - on trees with multiple stems the 3 largest sections measured at 1.4m are combined to make up the total.
- **critical root zone** = dbh x 6 unless otherwise specified
- **ci** - City owned tree
- **LCR** = live crown ratio, percentage of live crown remaining
- **os** - off site tree

ID#	Surv eyed	Common Name	Botanical Name	DBH (cm)	Condition & Comments	Retention Suitability	Action	TPZ (m)
ci1	y	Black Cottonwood	<i>Populus trichocarpa</i>	52	Single, stem with slight lean to the Northwest. Located on top of a slope.	Moderate	Retain Install barrier 3.12m from tree	3.12
ci2	y	Maple	<i>Acer spp</i>	27	Straight, single stem. Natural form. Mechanical damage to exposed roots.	Good	Retain Install barrier 1.62m from tree	1.62
ci3	y	Maple	<i>Acer spp</i>	38	Straight, single stem. Natural form. Girdled root at base of tree.	Good	Retain Install barrier 2.28m from tree	2.28
ci4	y	Maple	<i>Acer spp</i>	37	Straight, single stem. Natural form. Large mechanical wound to base of tree as well as mechanical damage to exposed roots. Bark is sloughing off base of tree at site of wound.	Moderate	Retain Install barrier 2.22m from tree	2.22
ci5	y	Cherry	<i>Prunus spp</i>	25	Single stem, slight lean West. Natural form. Mechanical damage to exposed roots. Twine left on the root ball is showing. Decay observed at sites of previous limb removals.	Moderate	Retain Install barrier 1.50m from tree	1.50

ID#	Surveyed	Common Name	Botanical Name	DBH (cm)	Condition & Comments	Retention Suitability	Action	TPZ (m)
ci6	y	Cherry	<i>Prunus spp</i>	43	Natural form. Exposed root flare. Mechanical damage to exposed roots and root flare. Decay observed at sites of previous limb removals.	Moderate	Retain Install barrier 2.58m from tree	2.58
654	y	Western Red Cedar	<i>Thuja plicata</i>	50	Single, straight stem. Natural form. Full crown. Located on a slope.	Good	Retain Install barrier 3.00m from tree	3.00
655	y	Western Red Cedar	<i>Thuja plicata</i>	46	Single, straight stem. Natural form. Full crown. Located on a slope.	Good	Retain Install barrier 2.76m from tree	2.76
656	y	Western Red Cedar	<i>Thuja plicata</i>	48	Single, straight stem. Natural form. Full crown. Located on a slope.	Good	Retain Install barrier 2.88m from tree	2.88
657	y	Paper Birch	<i>Betula papyrifera</i>	38	Single, straight stem. Natural form. Located in conflict with proposed construction	Good	Remove	2.28
658	y	Western Red Cedar	<i>Thuja plicata</i>	34	Single, straight stem. Natural form. Full crown. Located on a slope. Located in conflict with proposed construction	Good	Remove	2.04
659	y	Western Red Cedar	<i>Thuja plicata</i>	39	Single, straight stem. Natural form. Full crown. Located on a slope. Mechanical damage at the base of the tree. Located in conflict with proposed construction	Good	Remove	2.34
660	y	Western Red Cedar	<i>Thuja plicata</i>	47	Single, straight stem. Natural form. Full crown. Located on a slope. Located in conflict with proposed construction	Good	Remove	2.82

ID#	Surv eyed	Common Name	Botanical Name	DBH (cm)	Condition & Comments	Retention Suitability	Action	TPZ (m)
661	y	Western Red Cedar	<i>Thuja plicata</i>	60	Single, straight stem. Natural form. Full crown. Located on a slope. Located in conflict with proposed construction	Good	Remove	3.60
662	y	Western Red Cedar	<i>Thuja plicata</i>	52	Single, straight stem. Natural form. Full crown. Located on a slope. Located in conflict with proposed construction	Good	Remove	3.12
663	y	Western Red Cedar	<i>Thuja plicata</i>	64	Single, straight stem. Natural form. Full crown. Located on a slope. Located in conflict with proposed construction	Good	Remove	3.84
664	y	Western Red Cedar	<i>Thuja plicata</i>	68	Single, straight stem. Natural form. Full crown. Located on a slope. Located in conflict with proposed construction	Good	Remove	4.08
665	y	Western Red Cedar	<i>Thuja plicata</i>	62	Single, straight stem. Natural form. Full crown. Located on a slope. Located in conflict with proposed construction	Good	Remove	3.72
666	n	Black Cottonwood	<i>Populus trichocarpa</i>	48	Single stem. Natural form. Located on a slope.	Moderate	Retain Install barrier 2.88m from tree	2.88
667	y	Cherry	<i>Prunus spp</i>	16+16 =32	Dual stem. Sweeps Southwest. Located in conflict with proposed construction	Moderate	Remove	1.92
668	y	Red Alder	<i>Alnus Rubra</i>	34	Straight, single stem. Located in conflict with proposed construction	Moderate	Remove	2.04

ID#	Surveyed	Common Name	Botanical Name	DBH (cm)	Condition & Comments	Retention Suitability	Action	TPZ (m)
669	y	Red Alder	<i>Alnus Rubra</i>	34	Mostly dead. Significant sweep Southwest. Sloughing bark at base. Mechanical damage on the West side of the lower trunk. Located on a slope. Likely to fail.	Poor	Remove	2.04

Summary Table

	subject property	off-site	City property
# of trees in total	16	0	6
# to be removed	12	0	0
# to be protected	4	0	6

Images



IMAGE 1- Trees ci2, ci43 and ci4



IMAGE 2- Trees ci5 and ci6



IMAGE 3- Trees ci1, 654, 655 and 666



IMAGE 4- Trees 656, 657, 658, 659 and 660

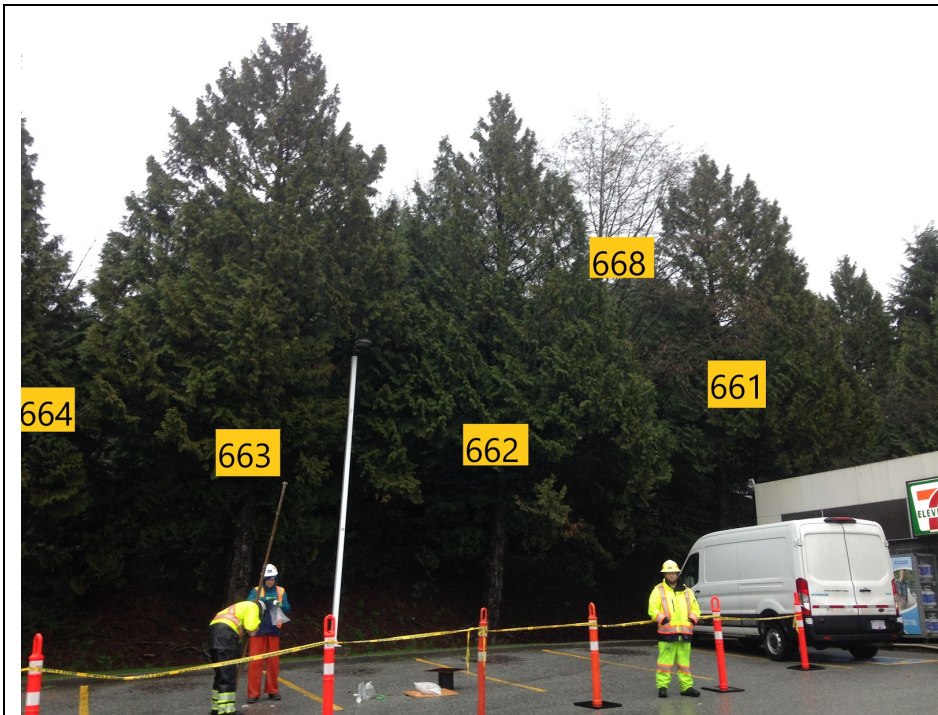


IMAGE 5- Trees 661, 662, 663, 664 and 668



IMAGE 6- Trees 664 and 665



IMAGE 7- Tree 669

Conclusion

Property, plans and trees have been assessed by arborists to determine tree management recommendations for construction. Those recommendations follow:

Recommended Tree Removals:

- Trees #657, 658, 659, 660, 661, 662, 663, 664, 665, 667 and 668 are recommended for removal because they are located in conflict with the proposed construction.
- Tree #669 is a mostly dead Alder in poor condition. It is recommended for removal.

Recommended Tree Protection:

- Tree barriers shown on the “Tree Plan for Construction” are to be installed and kept in place during the entire duration of construction.
- Arborist to supervise construction works inside the TPZ of trees 654, 655 and 656

Limitations and Assumptions

- This report was prepared for and on behalf of the client and it is intended solely for their use. Woodridge Tree Consulting Arborists Ltd. shall not accept any liability derived from the partial, unintended, unauthorized or improper use of this report.
- This report is restricted to the subject trees as detailed in the report. No other trees were inspected or assessed as part of the work related to the preparation of this report.
- The accuracy and ownership of the locations of trees, property lines and other site features were not verified by Woodridge Tree. Third party information to the consultant may have been relied upon in the formation of the opinion of the consultant in the preparation of this report, and that information is assumed to be true and correct.
- The use of maps, sketches, photographs and diagrams are intended only as a reference for the readers use in understanding the contents and findings of this report, and are not intended as a representation of fact.
- Approvals from a municipal or senior government agency may be required in relation to certain recommendations and treatments provided in this report. The owner is responsible to make an application for, pay related fees and meet all requirements and conditions for the issuance of such permits, approvals or authorizations.

I certify to the best of my knowledge or belief that:

- staff from this firm have performed site inspections on the dates as stated herein.
- the findings are based on information known to the consultant at that time.
- the statements of fact determined by the consultant are true and correct.

If there are questions regarding the contents of this report please contact our office.



Kimberley Dahl

ISA Certified Arborist and Tree Risk Assessor

PN 7658A

Diploma in Horticulture

Woodridge Tree Consulting Arborists Ltd.

kimberley@woodridgetree.com

