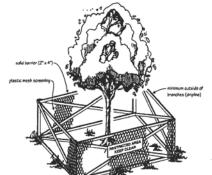
Protective barriers Retaining significant trees when properties are redeveloped is important in maintaining the established natural character associated with many of Vancouver's neighbourhoods. Their continued healthy growth is greatly enhanced by the By-law requirement of providing special protective barriers. Barriers are required to protect the roots, trunks and branches of trees on private property as well as on City property prior to and during on-site construction (Figure 3).

(To calculate the dimensions for tree barriers on private property, refer to Schedule D 'Tree Protection Distance Table' below. For trees on City property, refer to Section 4.2 of the Tree Retention, Relocation and Replacement Guidelines.)



Trunk Diameter (cm)	Minimum Protection Regid Around Tree (distance from trunk in metres)								
20	1.2								
25	1.5								
30	1.8								
35	2.1								
40	2.4								
45	2.7								
50	. 3								
55	3.3								
60	3.6								
75	4.5								
90	5								
100	6.0								

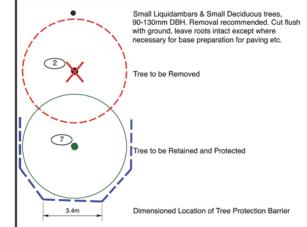
* Table reproduced from the By-law





- 1 Thuja plicata (Western Red Cedar), 580mm DBH, old fill at base.
- 2 Thuja plicata (Western Red Cedar), 140mm DBH, sparse.
- Thuja plicata (Western Red Cedar), 450mm DBH, huge sweep to south, adapted as part of forest.
- Thuja plicata (Western Red Cedar), 450mm DBH, swept at base, asymmetric crown, adapted, good condition, stay 4m clear.
- 5 Thuja plicata (Western Red Cedar), 530mm DBH, good condition.
- 6 Thuja plicata (Western Red Cedar), 270mm DBH, sparse, open character, but satisfactory condition.
- 7 Tsuga heterophylla (Western Hemlock), 600mm DBH, gummosis near base.
- 8 Thuja plicata (Western Red Cedar), 450mm DBH, good condition.
- 9 Thuja plicata (Western Red Cedar), 450mm DBH, good condition.
- 10 Thuja plicata (Western Red Cedar), 600mm DBH, good condition.
- 11 Thuja plicata (Western Red Cedar), 350mm DBH, good condition.
- 12 Thuja plicata (Western Red Cedar), 110mm DBH, 60' height, good condition.
- 13 Thuja plicata (Western Red Cedar), 260mm DBH, small cedar, intermingled
- 14 Acer macrophyllum (Bigleaf Maple), 210mm DBH, advanced decay at base, intermingled with 13.
- 15 Acer macrophyllum (Bigleaf Maple), 300mm DBH, leans 3 degrees north, sweep at base, older asphalt pavement and disruption north side, unknown root damage
- 16 Acer macrophyllum (Bigleaf Maple), 220mm DBH, asymmetric, shaded out south side by nearby dominant cedar.
- 17 Thuja plicata (Western Red Cedar), 750mm DBH, on mound of decaying organics.
- 18 Thuja plicata (Western Red Cedar), 530mm DBH, in tight cluster, good condition.
- 19 Thuja plicata (Western Red Cedar), 560mm DBH, in tight cluster, good condition.
- 20 Thuja plicata (Western Red Cedar), 800mm DBH, in tight cluster, good
- 21) Thuja plicata (Western Red Cedar), 160mm DBH, sub-dominant Cedar.
- 22 Acer macrophyllum (Bigleaf Maple), 270mm DBH, asymmetric.
- 23 Acer macrophyllum (Bigleaf Maple), 180mm DBH, asymmetric.

TREE PROTECTION LEGEND



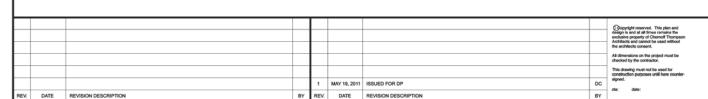
Observations, drawing and report by Ken McKillop, ISA Certified Arborist PN-0584.

See Tree Protection specification section.

Supply and install new growing medium and seeded lawn to non-paved areas disrupted by work of this contract. All landscape work to the requirements of the BC Landscape Standard, current edition.

EXISTING WALKWAY TREES

Of the 17 Liquidambar along the path, several have badly deformed, topped, or poorly pruned crowns. In the south half, only two have reasonably good form and structure, and those two are smaller, less vigorous. Recommendations: Replace with new Liquidambar or other suitable species in the new design.



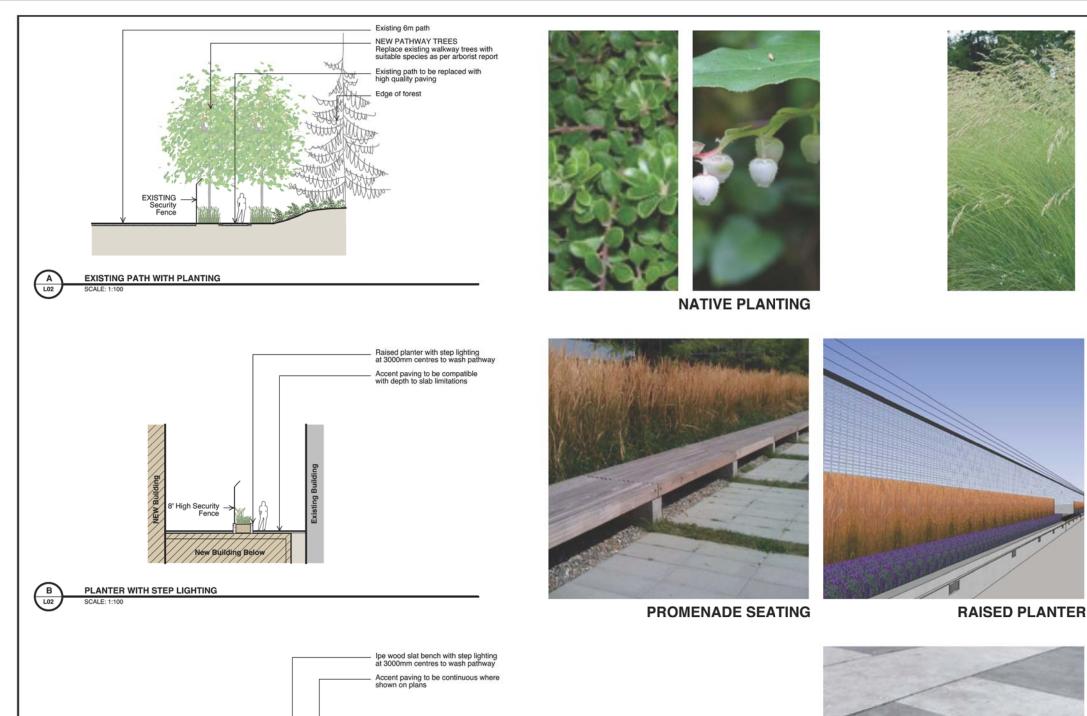






TRIUMF Canada's National Laboratory for Particle and Nuclear Physics					4004	Wesbrook	Mall	ı	Vancouver	BC	ı	Canada	V6T-2A3	
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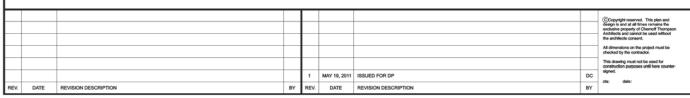


DROUGHT TOLERANT PLANTING

On Grade Condition WOOD SLAT BENCH WITH STEP LIGHTING

SAW-CUT CONCRETE

SPECIAL PAVING TO MATCH





CHERNOFF THOMPSON
A RCHITECTS



TRIUMF Connecte's Netfornel Laboratory for Perticle and Nuclear Physics 4004 Westrook Mall Vancouver BC Canada V6T-2A3													
DESIGNED	DC	ARIE	L BUILD	ING									
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PROMENA

METAL SCREEN