



SUMMARY TREE STATISTICS

CATEGORY	# OF TREES
Total number of trees indicated on Tree Management Plan	16
(Boulevard Trees)	4
(Adjacent Off-site and Boundary Trees)	10
(On-site Inventoried Unprotected Trees)	0
(On-site Bylaw-Protected Trees)	2
Proposed protected tree removals:	
On-site tree	1
Boundary trees with adjoining private property	5
Municipal boulevard trees	4
Replacement Trees Required by Tree Bylaw	14

- TREE PRESERVATION MEASURES**
- Site meeting to review Tree Plan:** Before demolition and site preparation begin, the owner and contractor shall meet with the arborist to review the placement of fencing and other tree protection measures within this plan.
 - The Project Arborist shall clearly mark the boundaries of all areas to be fenced and protected.
 - Access routes and areas for trade parking and materials storage will be identified with the contractor.
 - Tree Fencing:**
 - Tree protection fencing shall be installed to the City of Esquimalt standards at the locations indicated on this drawing prior to demolition or building permit being issued (see fencing detail on plan).
 - Tree protection fencing and armoring shall be maintained in good condition throughout the duration of the project.
 - Requests to temporarily remove or move tree fencing must be reviewed by the project arborist for approval.
 - Soil armoring:** If it is not possible to fence the entire PRZ, the unprotected portion of the PRZ shall be armored with 3/4" plywood or a temporary cover of geo-textile and 200mm of road-base, moderately compacted with a plate compactor. (See drawing for recommended soil armoring locations.)
 - Tree Management Plan posting:**
 - A full-sized weather-proof copy of this tree plan shall be posted in plain sight in the site office.
 - The general contractor shall ensure that all relevant sub-trades are familiar with the drawing and tree protection measures.
 - Site servicing and excavations:**
 - The project arborist shall be present to oversee excavation, service trenching, stump removal, site grading or blasting within, or adjacent to, the tree protection areas (TPAs).
 - The vertical face of excavated cuts within or adjacent to TPAs shall be securely covered with 6mil plastic sheeting reinforced with wire mesh.
 - Mulching and irrigation of vulnerable trees:** Off-site Trees OS-4, OS-5 and OS-6 and Municipal Tree M-1 will require remedial care during the dry season (April 1 - Nov 1). Apply top dressing of tree chip mulch (100mm) and irrigate bi-weekly to an effective depth of 300mm.
 - Root & branch pruning and protection:**
 - Any tree roots or branches damaged during site work shall be pruned back to undamaged tissue by the arborist.
 - The vertical face of excavated cuts adjacent to the TPAs shall be securely covered with non-permeable fabric by the project arborist to prevent soil desiccation and erosion.
 - Temporary access:** If temporary access is required within a tree protection area (TPA), the contractor shall notify the project arborist in advance and review the access requirements and any additional protective measures prescribed by the arborist.
 - Off-site Tree Removals:** A letter of authorization shall be obtained by the applicant from the neighbouring land owner(s) for any off-site tree removals and their associated replacements, as required by bylaw, on the neighbour's property. Tree replacements must be done on the property associated with the corresponding tree removal.
 - Replacement trees:**
 - 11 replacement-trees are required to mitigate the loss of six protected trees: four protected boundary trees and two protected municipal trees (see Tree Inventory Table below for details). Proposed tree types, sizes and locations are provided in the Landscape Plan prepared by LADR Landscape Architects. Tree types, sizes, soil volumes and planting off-sets from built elements, utilities and other infrastructure shall conform with the City's tree bylaw.
 - In addition to replacements for the two municipal trees proposed for removal, the Township's arborist shall appraise the value of the existing trees, which will form the basis for a fee to be charged to the applicant to contribute to the Township's Tree Replacement and Maintenance Reserve.

TREE INVENTORY TABLE

G&A Tree ID	Common Name	Botanical Name	DBH (cm)	CRZr (m)	Crown Spread (m)	Tree Height (m)	Structural Condition	Health	Location/Ownership	Retention Suitability	Construction Tolerance	Bylaw protected?	Comments	Action	Replacement Trees req'd
TR 9	Plum	<i>Prunus sp.</i>	35	5	10	13	Fair	Good	On-site	Poor	Low	Yes	Multi-stemmed tree; screening function; out of the way.	Retain and protect	n/a
TR 1216	White spruce	<i>Picea glauca</i>	34	3	8	15	Good	Good	On-site	Good	Moderate	Yes	Remeasured Sept 1, 2024	Remove	1
M 1	Oyama Magnolia	<i>Magnolia sieboldii</i>	16	2	6	7	Good	Good	Municipal tree	Good	Low	Yes	Conflicts with parkade entrance	Remove	1
M 2	Oyama magnolia	<i>Magnolia sieboldii</i>	15	2	6	7	Good	Good	Municipal tree	Good	Low	Yes	Conflicts with bike lane changes	Remove	1
M 3	Oyama magnolia	<i>Magnolia sieboldii</i>	15	2	6	7	Good	Good	Municipal tree	Good	Low	Yes	Conflicts with bike lane changes	Remove	1
M 4	Maple (Norway?)	<i>Acer sp. (platanoides?)</i>	20	3	8	7	Good	Good	Municipal tree	Good	Moderate	Yes	Median tree - remove to facilitate access to site	Remove	1
OS 4	Flowering cherry	<i>Prunus sp.</i>	20	3	10	13	Poor	Poor	Private off-site	Poor	Moderate	No	Low quality specimen	Retain and protect	n/a
OS 5	Red cedar	<i>Thuja plicata</i>	28	3	10	16	Good	Good	Private off-site	Good	Low	Yes		Retain and protect	n/a
OS 6	Red cedar	<i>Thuja plicata</i>	35	4	10	16	Good	Good	Private off-site	Good	Low	Yes		Retain and protect	n/a
OS 7	Garry oak	<i>Quercus garryana</i>	75	7	14	27	Good	Good	Private off-site	Good	High	Yes	High quality specimen. Tree located by arborist.	Retain and protect	n/a
OS 8	Garry oak	<i>Quercus garryana</i>	65	7	14	30	Fair	Fair	Private off-site	Good	High	Yes	Tree located by arborist.	Retain and protect	n/a
OS 1211	Leyland cypress	<i>Cupressus x leylandii</i>	85	8	12	30	Fair	Good	Private off-site	Good	High	Yes	On top of shared, poor condition retaining wall.	Remove	3
OS 1212	Leyland cypress	<i>Cupressus x leylandii</i>	25	3	8	15	Poor	Poor	Private off-site	Poor	High	No	Supressed by adjacent trees, On top of shared, poor condition retaining wall.	Remove	n/a
OS 1213	Leyland cypress	<i>Cupressus x leylandii</i>	45	4	14	30	Fair	Good	Private off-site	Good	High	Yes	On top of shared, poor condition retaining wall.	Remove	1
OS 1214	Leyland cypress	<i>Cupressus x leylandii</i>	50	5	16	30	Fair	Good	Private off-site	Good	High	Yes	On top of shared, poor condition retaining wall.	Remove	2
OS 1215	Leyland cypress	<i>Cupressus x leylandii</i>	70	7	12	30	Fair	Good	Private off-site	Good	High	Yes	On top of shared, poor condition retaining wall.	Remove	3

Note: Off-site trees have been plotted in their approximate locations by the arborist.

TREE PROTECTION FENCING SIGNAGE

(Signs shall be 16x24" and made to sustain all weather conditions)



Tree Protection Fencing Detail

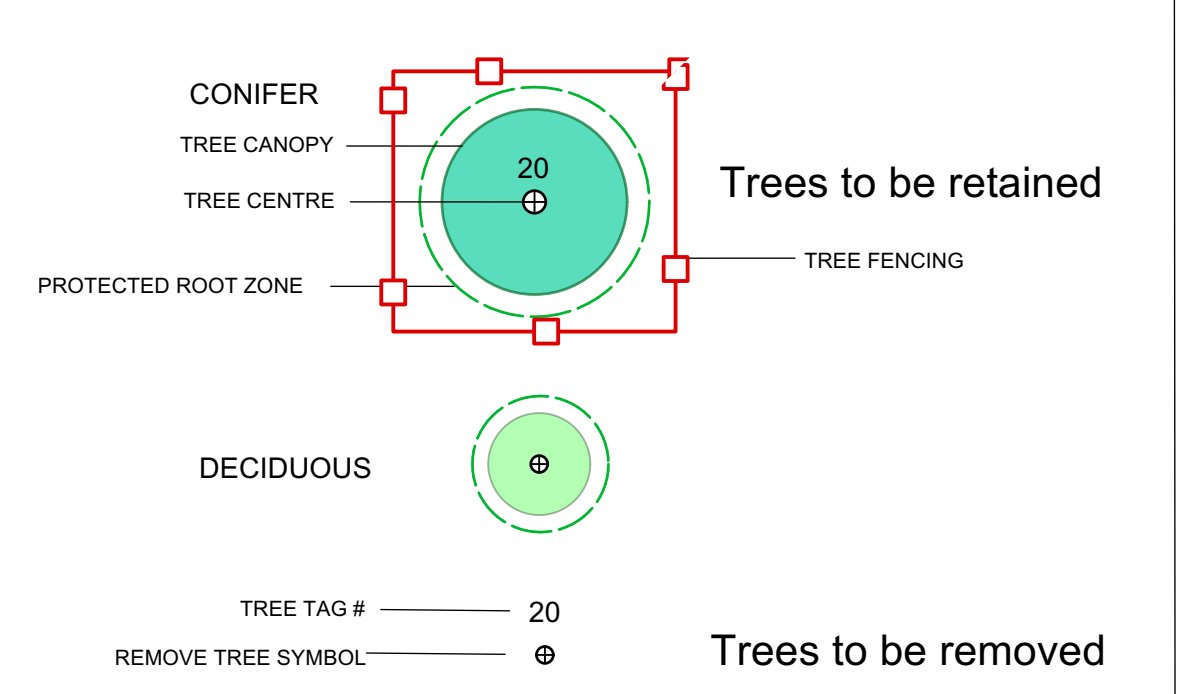
Modular steel panel fencing is recommended in order to reduce land-fill waste post-construction. Fencing panels shall be secured to the ground with rebar wired to panel frame.

16 x 24" all-weather signage will be attached with the following wording:
 For protected trees: **DO NOT ENTER** - Tree Protection Zone
 For replacement/landscape tree planting sites: **DO NOT ENTER** - Future Tree Planting Zone

In cases where steel-panel fencing is not practical or available, fencing shall be constructed with a wooden 2x4 frame (side, top and bottom rails) and back-bracing supports as required to ensure robust placement. Snow-fencing will then be affixed to the frame using battens, zip-ties, staples, wire or nails.



LEGEND



GyeandAssociates.ca

PROJECT
761 - 865 Esquimalt Rd, Esquimalt, BC

SHEET TITLE
Tree Management Plan for RZ & DPA

REV NO	DESCRIPTION	DATE
6	REVISION	Nov 21, 2024
5	REVISION	Sept 17, 2024
4	REVISION	Mar 14, 2024
3	REVISION	June 24, 2022
2	REVISION	Apr 6, 2022
1	REVISION	Feb 10, 2022

PROJECT NO. 21-020
 DATE June 8, 2021
 SCALE 1:150
 DRAWN BY JG
 SHEET NO. T - 1
SCALED TO PRINT ON 24 x 36" SHEET