



LEGEND

- TREE FENCING
- TREE TAG #
- TREE CENTRE
- TREE CANOPY
- ROOT ZONE
- BROADLEAF
- CONIFER
- REMOVE TREE
- REPLACEMENT TREE



PROJECT
**855 Falaise Crescent,
 Saanich, BC**

SHEET TITLE
Tree Management Plan

REV NO	DESCRIPTION	DATE
2	SUBDIVISION APP REV.	APR 29, 2019
1	SUBDIVISION APP.	JAN 30, 2018

PROJECT NO. **17-091**
 DATE **December 22, 2017**

SCALE **1:250**
 DRAWN BY **LS**
 SHEET NO. **1 of 2**

Tree Protection Fencing Detail
 Robust Tree Protection Fencing shall be constructed with a 2x4 frame and supports. (See photo below.) Snow-fencing will then be affixed to the frame using zip-ties, staples wire or nails. All-weather signage will be attached, clearly designating the area within as a TREE PROTECTION AREA - NO TRESPASSING.



RECEIVED

MAY 23 2019

PLANNING DEPT.
 DISTRICT OF SAANICH

TREE INVENTORY TABLE

G&A Tree ID	Common Name	DBH (cm)	Protected Root Zone Radius (m)	Crown Radius (m)	Health (Good, Fair, Poor)	Structural Condition (Good, Fair, Poor)	Bylaw Protected Tree?	Recommendations
1980	Douglas fir	26	5	3	Fair	Fair	No	Retain and protect
1981	Garry oak	84	15	14	Good	Fair	Yes	Retain and protect
1982	Garry oak	32	6	6	Good	Good	Yes	Retain and protect
1983	Garry oak	44	8	8	Good	Good	Yes	Retain and protect
1983A	Garry oak	46	8	7	Good	Good	Yes	Retain and protect
1984	Garry oak	54	10	9	Good	Good	Yes	Retain and protect
1984A	Douglas fir	98	12	7	Good	Good	Yes	Retain and protect
1985	Garry oak	56	8	7	Good	Good	Yes	Retain and protect
1986	Garry oak	88	11	9	Good	Good	Yes	REMOVE
1987	Garry oak	60	11	9	Good	Good	Yes	Retain and protect
1988	Garry oak	42	8	7	Good	Good	Yes	Retain and protect
1989	Garry oak	50	9	8	Good	Good	Yes	Retain and protect
1989A	Garry oak	80	14	10	Good	Good	Yes	Retain and protect
1990	Garry oak	48	9	7	Good	Good	Yes	REMOVE
1991	Garry oak	40	7	5	Good	Good	Yes	REMOVE
1992	Garry oak	50	9	8	Good	Good	Yes	REMOVE
1993	Garry oak	8	1	1	Good	Good	Yes	Retain and protect
1994	Garry oak X2	58;60	13	12	Good	Good	Yes	Retain and protect
1995	Garry oak	40	7	8	Good	Good	Yes	Retain and protect
1996	Garry oak	52	9	9	Good	Good	Yes	Retain and protect
1996A	Garry oak	12	2	1	Good	Good	Yes	Retain and protect
1997	Garry oak	12	2	2	Good	Good	Yes	Retain and protect
1998	Garry oak X2	68;22	11	10	Good	Good	Yes	Retain and protect
1999A	Garry oak	58	10	8	Good	Good	Yes	Retain and protect

AERIAL IMAGE OF THE SUBJECT PROPERTY (District of Saanich GIS)



TREE PRESERVATION MEASURES

- Before demolition or site preparation begins, the owner and contractor shall meet with the arborist to review the Tree Protection Plan and associated measures. Branch debris from trees designated for removal shall be chipped and hoarded on site for distribution within designated sensitive tree habitat area (see Note 7 below.)
- Tree fencing must be erected prior to building permit being issued and to remain in good condition throughout the duration of the project.
- The arborist shall be present to oversee any excavation, service trenching, site grading, blasting or stump removal within, or adjacent to, the tree protection areas (TPAs) with 48 hours notice. New driveway areas that transit protected root areas must be graded and built to "float" above the tree root horizon. The project arborist shall work with the contractor to develop a road profile that satisfies this condition.
- Retain the existing paved driveway for site access during the demolition and construction phases in order to protect the root habitat of the oaks below.
- Procedure for blasting near tree root zones:
 - When blasting is required immediately adjacent to a Tree Protection Area, the blasting contractor shall work with the arborist to develop a blasting plan that minimizes impacts to protected trees.
 - Blasting vibrations in the vicinity of the Tree Protection Areas are not to exceed a *measured* peak particle velocity of 25 mm/sec. Seismomitor records shall be kept for review by the project arborist.
 - Use DYNAMITE as the explosive product. No fertilizer-based explosive is permitted, due to its toxicity to tree roots.
 - The contractor shall prevent rock debris from the blast site from entering the TPA.
- Any tree roots damaged shall be pruned back to undamaged tissue by the arborist and the vertical face of the excavation adjacent to the TPAs shall be covered with geo-textile to prevent soil desiccation and erosion.
- In areas where the root zone of the tree has been reduced by excavation, the remaining area shall be top-dressed with 10cm of tree chip mulch. The on-site portions of the protected root zones of Oak #s 1984 and 1985 and 1999A would benefit from mulching.
- Retained trees shall be irrigated twice weekly during the dry summer period to a minimum effective depth of 30cm.
- Temporary construction access within a TPA requires the authorization of the project arborist.
- If it should prove necessary to reduce the tree fencing, the exposed TPA outside the fencing shall be armoured with 3/4" plywood or a temporary cover of geo-textile and 200mm of road-base, moderately compacted with a plate compactor.
- No equipment, materials or excavated soil shall be placed or stored within the TPA. THIS PARTICULARLY INCLUDES HOARDING OF EXCAVATED SOILS NEEDED FOR BACKFILLING OF THE HOUSE FOUNDATION.
- Permeable pavers are recommended where indicated beneath Oak #s 1984 and 1985.
- Four bylaw protected trees will be removed for subdivision / servicing and house demolition phases. Four replacement Garry oak trees shall be planted as per District of Saanich tree preservation bylaw. The planting location of the replacement trees must be approved by the District of Saanich representative.



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