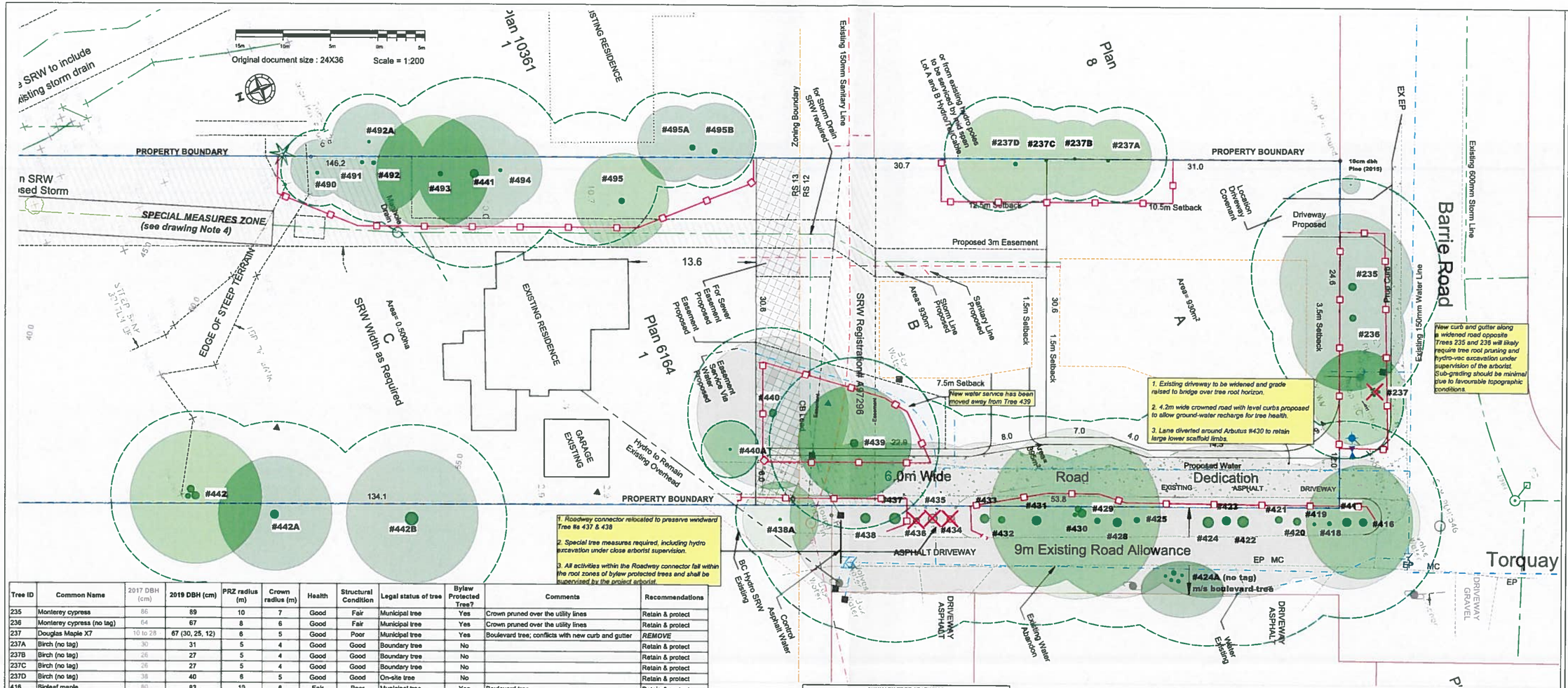


Tree ID	Common Name	2017 DBH (cm)	2019 DBH (cm)	PRZ radius (m)	Crown radius (m)	Health	Structural Condition	Legal status of tree	Bylaw Protected Tree?	Comments	Recommendations
235	Monterey cypress	86	89	10	7	Good	Fair	Municipal tree	Yes	Crown pruned over the utility lines	Retain & protect
236	Monterey cypress (no tag)	64	67	8	6	Good	Fair	Municipal tree	Yes	Crown pruned over the utility lines	Retain & protect
237	Douglas Maple X7	10 to 28	67 (30, 25, 12)	6	5	Good	Poor	Municipal tree	Yes	Boulevard tree; conflicts with new curb and gutter	*REMOVE*
237A	Birch (no tag)	30	31	5	4	Good	Good	Boundary tree	No		Retain & protect
237B	Birch (no tag)	26	27	5	4	Good	Good	Boundary tree	No		Retain & protect
237C	Birch (no tag)	26	27	5	4	Good	Good	Boundary tree	No		Retain & protect
237D	Birch (no tag)	38	40	6	5	Good	Good	On-site tree	No		Retain & protect
416	Bigleaf maple	80	83	10	6	Fair	Poor	Municipal tree	Yes	Boulevard tree	Retain & protect
417	Douglas fir	86	89	10	7	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
418	Douglas fir	44	46	5	3	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
419	Douglas fir	34	35	4	3	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
420	Douglas fir	74	77	9	6	Good	Fair	Municipal tree	Yes	Boulevard tree	Retain & protect
421	Douglas fir	68	71	8	5	Good	Fair	Municipal tree	Yes	Boulevard tree	Retain & protect
422	Douglas fir	110	114	13	8	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
423	Douglas fir	84	87	10	8	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
424	Douglas fir	108	112	13	8	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
424A	Lawson cypress		125 (50+40+35)	15	5	Good	Fair	Municipal tree	Yes	Multi-stemmed (6+) boulevard tree; stem diameters are approximate	Retain & protect
425	Douglas fir	58	60	7	6	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
428	Douglas fir	90	94	11	8	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
429	Douglas fir	60	62	7	7	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
430	Arbutus X3	64,40,86	198 (89, 67, 42)	10	9	Fair	Fair	Municipal tree	Yes	Boulevard tree	Retain & protect
431	Douglas fir	82	96	11	7	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
432	Douglas fir	68	71	8	6	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
433	Douglas fir	90	94	11	8	Good	Fair	Municipal tree	Yes	Boulevard tree	Retain & protect
434	Douglas fir	68	71	8	7	Good	Good	Municipal tree	Yes	Boulevard tree	*REMOVE*
435	Douglas fir	88	92	11	8	Fair	Fair	Municipal tree	Yes	Boulevard tree	*REMOVE*
436	Douglas fir	60	62	7	6	Good	Good	Municipal tree	Yes	Boulevard tree	*REMOVE*
437	Douglas fir	108	112	13	8	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
438	Douglas fir	98	102	12	8	Good	Good	Municipal tree	Yes	Boulevard tree	Retain & protect
438A	Birch (no tag)	30	31	5	4	Good	Good	Private off-site tree	No		Retain & protect
439	Arbutus	78	81	9	6	Good	Fair	On-site tree	Yes		Retain & protect
440	Atlas cedar	74	77	9	8	Fair	Fair	On-site tree	Yes		Retain & protect
440A	Mt. ash (no tag)	26	27	3	3	Good	Good	On-site tree	No		Retain & protect
441	Ponderosa pine	82	85	10	6	Good	Good	On-site tree	Yes		Retain & protect
442	Arbutus X3	70,50,80	208 (83, 73, 52)	9	7	Fair	Fair	On-site tree	Yes		Retain & protect
442A	Douglas fir (no tag)	84	87	10	6	Good	Good	Private off-site tree	Yes	Off-site tree	Retain & protect
442B	Red cedar (no tag)	130	135	10	7	Good	Fair	Private off-site tree	Yes	Off-site tree. Four codominant stems.	Retain & protect
490	Scots pine	32	33	4	3	Fair	Fair	On-site tree	No		Retain & protect
491	Red cedar	36	37	5	4	Good	Good	On-site tree	Yes		Retain & protect
492	Red cedar	40	42	6	5	Good	Good	On-site tree	Yes		Retain & protect
492A	Red cedar	28	30	5	4	Good	Good	Private off-site tree	Yes		Retain & protect
493	Ornamental plum	46	48	7	6	Good	Good	On-site tree	No		Retain & protect
494	Lawson cypress	34	35	5	4	Good	Good	On-site tree	No		Retain & protect
495	Walnut	58	60	7	5	Good	Fair	On-site tree	Yes	Asymmetric crown to west; internal decay	Retain & protect
495A	Lawson cypress (no tag)	54	58	5	4	Good	Good	Private off-site tree	No	Off-site tree	Retain & protect
495B	Lawson cypress (no tag)	54	56	5	4	Good	Good	Private off-site tree	No	Off-site tree	Retain & protect

SUMMARY TREE STATISTICS	
CATEGORY	# OF TREES
Total number of trees indicated on Tree Plan	46
On-site Bylaw-Protected Trees	7
On-site Unprotected Trees	5
Municipal Trees	25
Boundary Trees	3
Private Off-site Trees	6
Bylaw protected on-site trees proposed for removal	0
Non-protected on-site trees proposed for removal	0
Municipal trees proposed for removal	4
TOTAL PROPOSED TREE REMOVALS:	4
On-site replacement trees required:	0
Municipal replacement trees or cash-in-lieu required (2:1):	8
New Schedule I Trees Required by Sub-division bylaw	0

RECEIVED
AUG 04 2021
PLANNING DEPT.
DISTRICT OF SAANICH

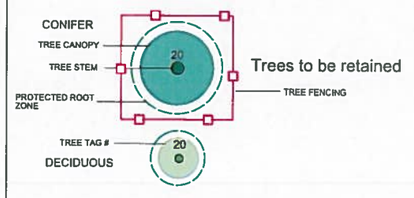
Tree Protection Fencing Detail

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.

All-weather signage will be attached, clearly designating the area within as a TREE PROTECTION AREA – NO TRESPASSING.

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-lies, staples, wire or nails.

TREE LEGEND



TREE PRESERVATION MEASURES

1. **Site meeting to review Tree Plan:** Before site work commences, the contractor shall meet with the arborist to review the placement of fencing and other tree protection measures within this plan.

2. **Tree fencing:** Before site preparation begins, place tree protection fencing and soil armouring as indicated. In areas designated for tree removal, it is recommended that fencing be delayed until felling and clearing operations are complete.

3. **Arborist supervision:** The arborist shall be present to oversee stump removal, excavation, service trenching, site grading or blasting within, or adjacent to, the tree protection areas (TPAs).

4. **Embankment protection:** The storm drain line proposed down the embankment will be "on-grade". A substantial concrete footing will anchor the pipe at the top of slope. A pathway for the pipe down the embankment will have to be cleared of debris and some vegetation. The arborist will work with the contractor to minimize tree impacts.

5. **Rock removal:**
a) When blasting is required within 20m to a Tree Protection Area, the blasting contractor will work with the arborist to develop a rock removal plan that minimizes impacts to protected trees.
b) Alternate rock removal techniques may be specified where blasting is problematic.

6. **Root and branch pruning:** Any damaged tree roots or branches >2cm dia. shall be pruned back to undamaged tissue by the arborist.

7. **Mulching:** In areas where the protected root zone of the tree has been reduced by excavation, the remaining area will be top-dressed with 10cm of tree chip mulch at the discretion of the project arborist.

8. **Temporary access to TPAs:** Requests for temporary construction access within a TPA shall be directed to the project arborist for review.

9. **Soil armouring:** If it should prove necessary to reduce the tree fencing, the exposed portion of the TPA outside the fencing will be armoured with 3/4" plywood or a temporary cover of geo-textile and 200mm of road-base, moderately compacted with a plate compactor.

10. **Materials storage:** No equipment, materials or excavated soil will be placed or stored within the TPA.

11. **Boulevard Replacement Trees:** Eight replacement trees are required in mitigation for four boulevard trees removed. No plantable spaces are available, so cash-in-lieu is proposed.

GyeandAssociates.ca

PROJECT
1708 Barrie Rd, Saanich, BC

SHEET TITLE
Tree Management Plan
Subdivision and Sevicing

REV NO	DESCRIPTION	DATE
3	FOR SUB-DIVISION	June 23, 2021
2	FOR SUB-DIVISION	Sept 8, 2020
1	FOR COORDINATION	July 23, 2020

PROJECT NO.	17-005
DATE	Nov 5, 2019
SCALE	1:200
DRAWN BY	JG
SHEET NO.	T - 1