NACL - UPLANDS DRIVE

3425 Uplands Drive, Nanaimo, BC

LANDSCAPE ARCHITECTURAL DRAWINGS

REISSUED FOR DEVELOPMENT PERMIT - MARCH 11, 2025

LANDSCAPE DRAWING SCHEDULE

- L0.00 Cover Page
- L1.01 Landscape Plan
- L1.02 Landscape Sections
- L1.03 Landscape Details
 - 1. Perimeter Fence
 - 2. Post & Rail Fence
 - 3. Bike Rack
 - 4. Bollard Light
 - 5. Bench
- L2.01 Planting Plan Northeast
- L2.02 Planting Plan Southeast
- L2.03 Planting Plan West
- L2.04 Planting Notes & Plant List
- L3.01 Tree Management Plan
- L3.02 Tree Management Plan
- L3.03 Tree Management Plan
- L3.04 Tree Management Plan

DESIGN PRECEDENTS







Dogwood, Cornus 'Eddies White Wonder'

ored

O2 Evergreen native ground covers do plant pallette to reinforce forest unders





04 Common area bench with back rest05 Raingarden common area bridge with bench, and pedestiran path





06 Raingarden common area bridge with

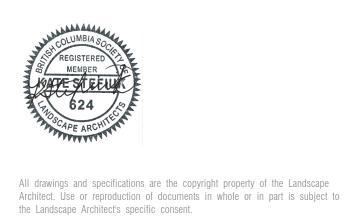
08 Fallen logs through forest planting for secondary movement and exploration

09 Accessible forest walk

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groundcovers and logs



PROJECT

UPLANDS DRVE

3425 UPLANDS DRIVE
NANAIMO, BC

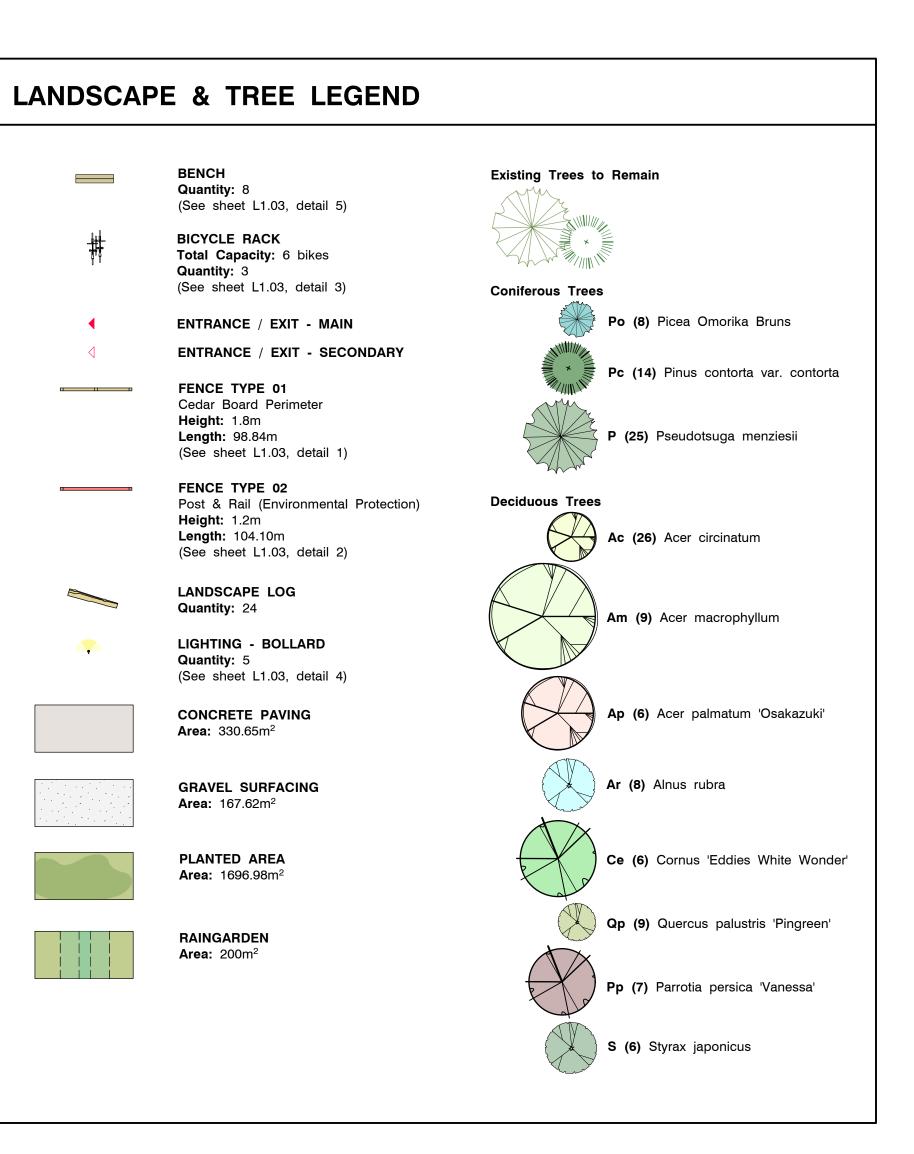
COVER PAGE

PROJECT ID 21004
DB KS CB KS

SCALE AS NOTED
DATE 2023-10-01

L0.00





LANDSCAPE NOTES

- 1. It is the Contractor's responsibility to contact the Landscape Architect if the information in this drawing package requires further clarification.
- All landscape construction to be in accordance with the City of Nanaimo Engineering Standards & Specifications.
- 3. All landscape construction to meet the current edition of the Canadian Landscape Standards as a minimal acceptable standard.
- 4. Contractor shall refer to the contract specifications for additional
- 5. Contractor to confirm layout of landscape plan on site with the Landscape
- 6. Irrigation to be designed and built by Contractor. As-built drawings

Refer to Sheet L1.02 for Landscape Sections

Refer to Sheet L1.03 for Landscape Details

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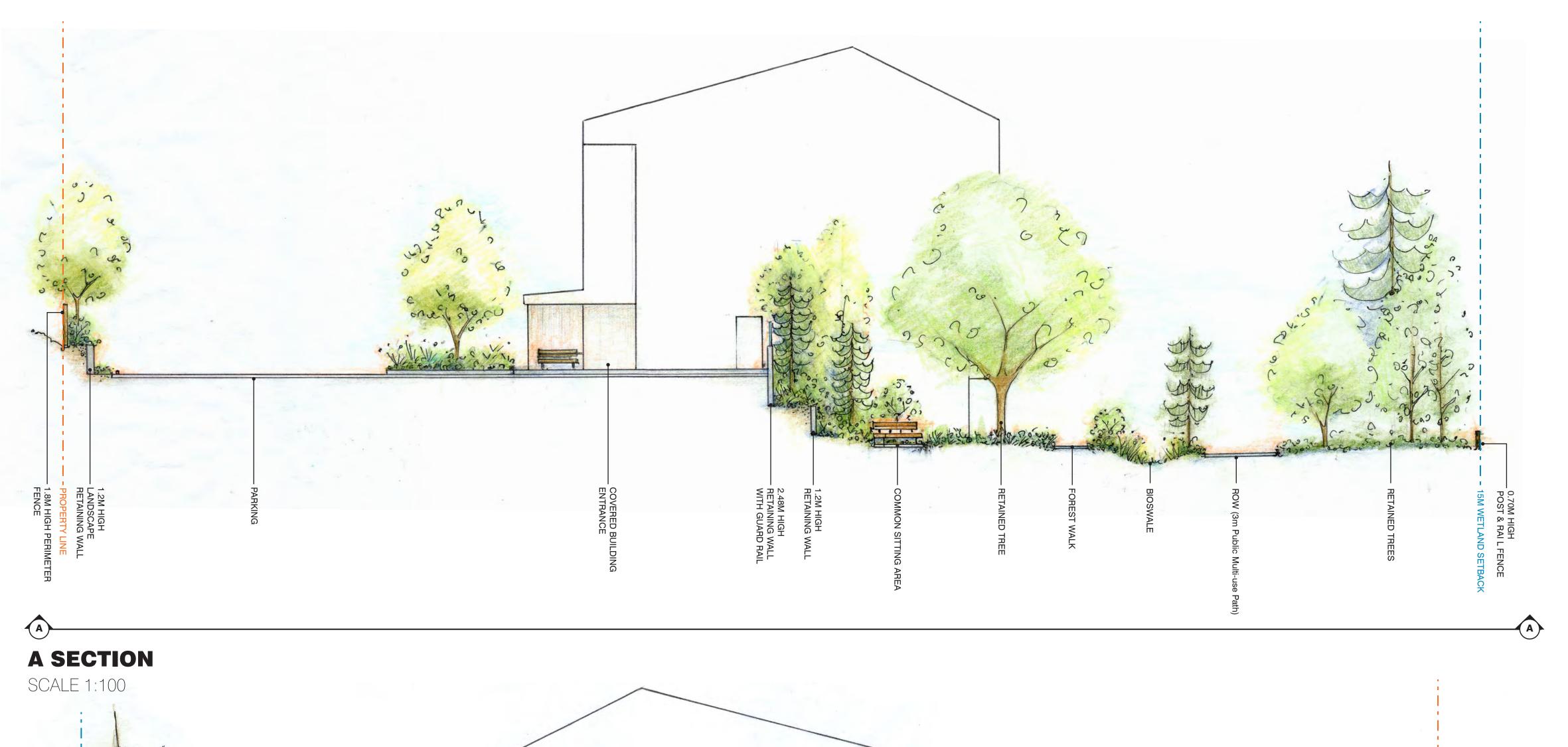
Current Planning

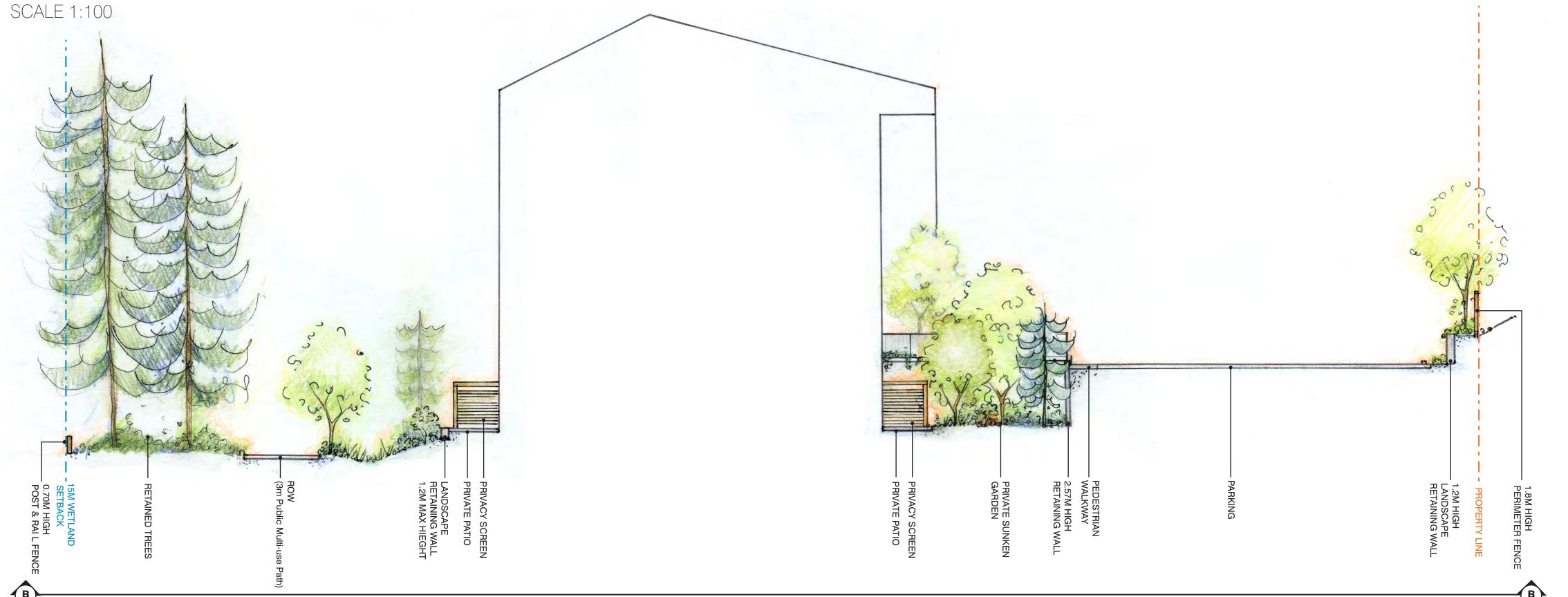
UPLANDS DRVE 3425 UPLANDS DRIVE NANAIMO, BC

LANDSCAPE PLAN

PROJECT ID 21004 CB KS **SCALE** 1:200 2023-10-01 DATE

L1.01





B SECTION

SCALE 1:100

KEY PLAN



Refer to Sheet L1.01 for Landscape Plan

Refer to Sheet L1.03 for Landscape Details

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PROJECT UPLANDS DRVE 3425 UPLANDS DRIVE NANAIMO, BC

LANDSCAPE SECTIONS

PROJECT ID 21004 **SCALE** AS NOTED DATE 2023-10-01

L1.02

be properly sealed. confirm finish with Landscape All metal fasteners to be hot dipped galvanized. 1.82m (6') o.c. —51mm x 152mm (2" x 6") Cedar Cap— —51mm x 102mm (2" x 4") Cedar Rail— —152mm x 152mm (6" x 6") Cedar Post -—25mm x 152mm (1" x 6") Cedar Board — —51mm x 102mm (2" x 4") Cedar Rail — —51mm x 152mm (2" x 6") Cedar Rail— -Galvanized Steel Knife Plate Anchor —Landscape as Specified— —300mm x 600mm Concrete Footing — -150mm depth Granular Base Course— Compacted Subbase or approved Subgrade **Elevation** Section

All wood to be selected tight

knot cedar. No checks, splits,

warps or wanes. All cut ends to instructions. Contractor to

Cedar to be finished with clear

Elevation / Section

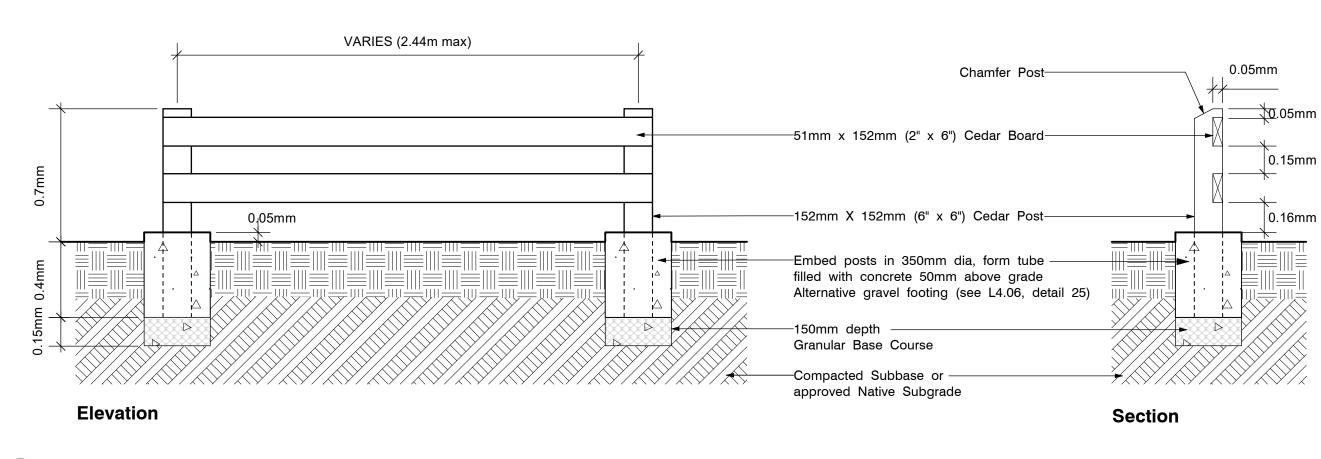
sealer as per manufacturers

Notes:

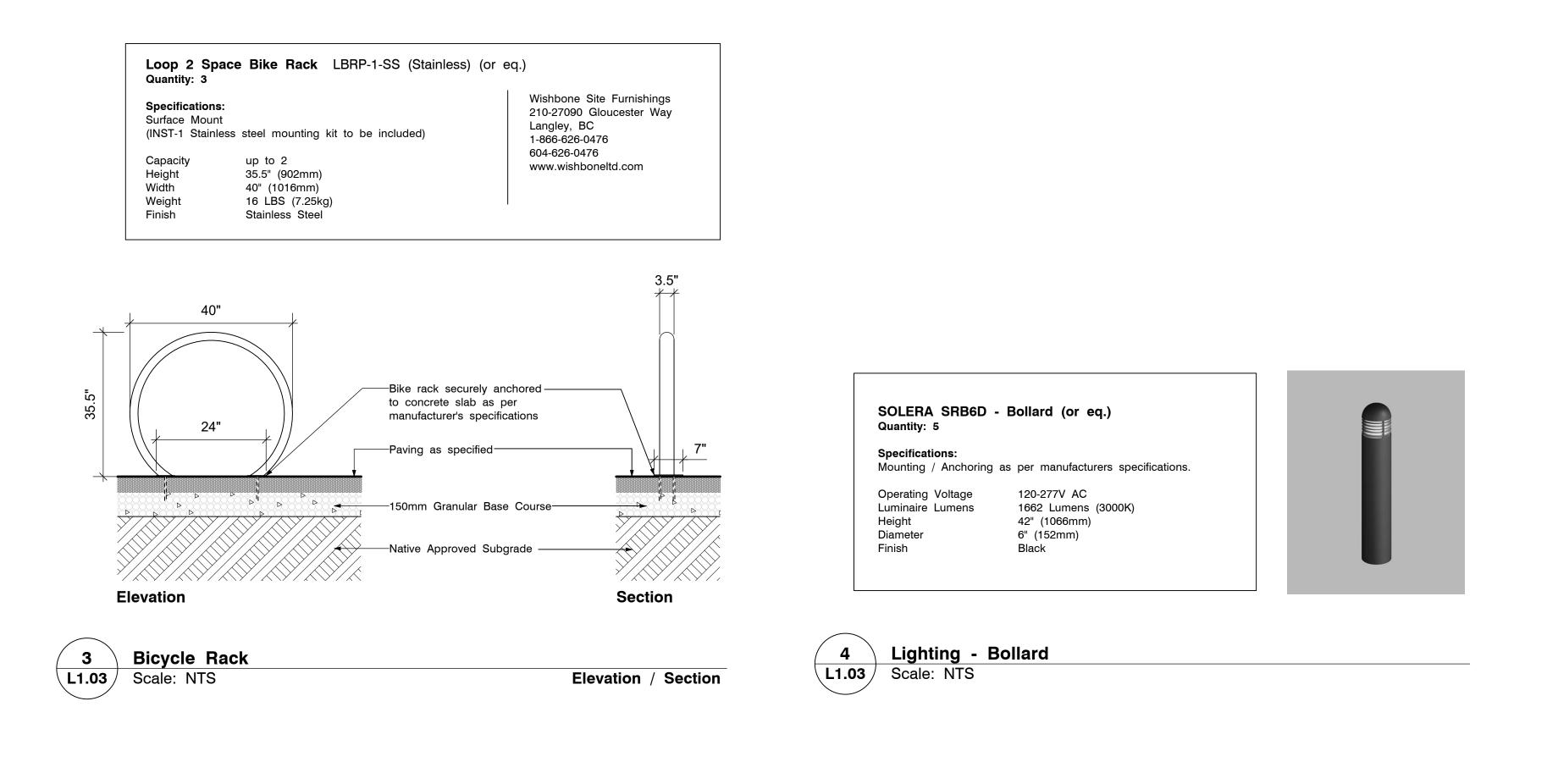
All wood to be selected tight knot cedar. No checks, splits, warps or wanes. All cut ends to be properly sealed.

All metal fasteners to be hot dipped galvanized.

Cedar to be finished with clear sealer as per manufacturers instructions. Contractor to confirm finish with Landscape Architect.

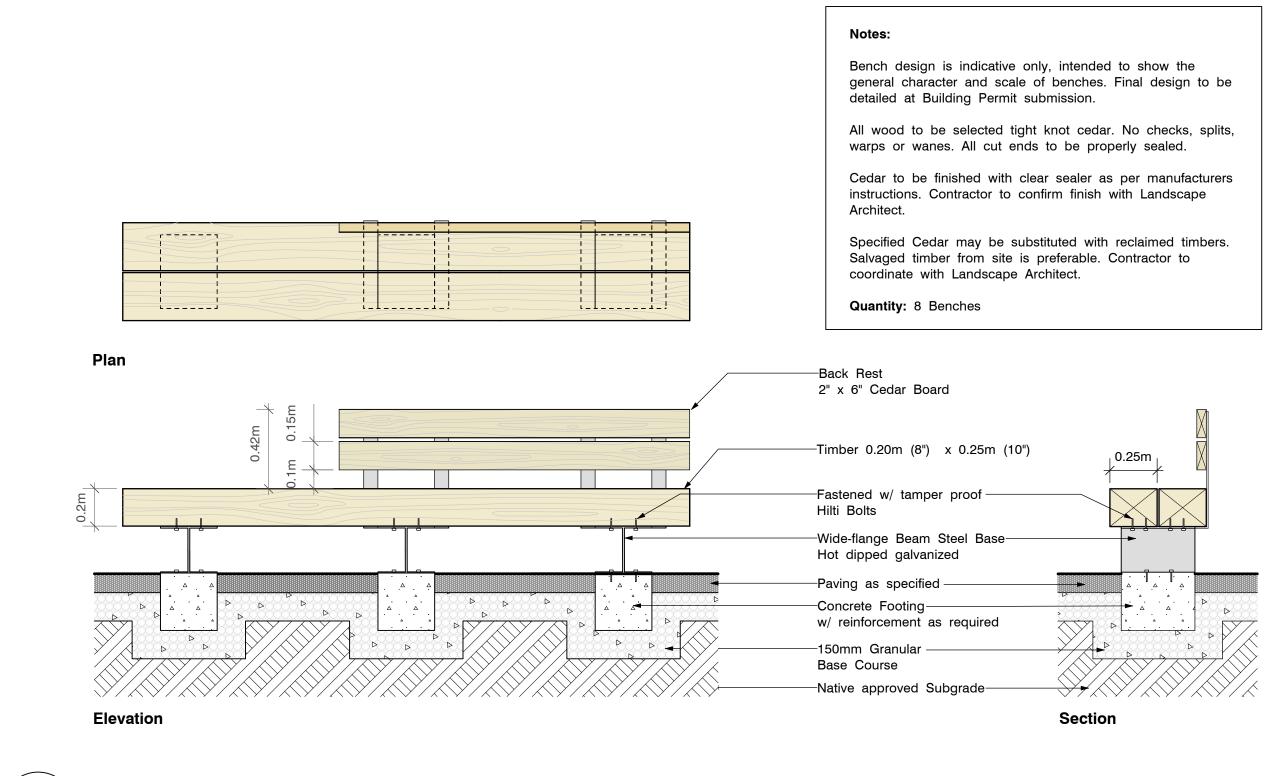


2 Post & Rail Fence
L1.03 Scale: 1:20 Elevation / Section



Perimeter Board Fence

L1.03 Scale: 1:20

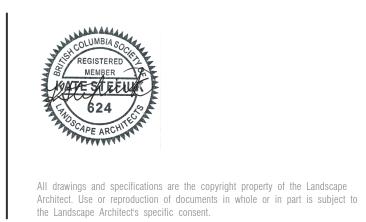


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L1.03

Bench

Scale: 1:20

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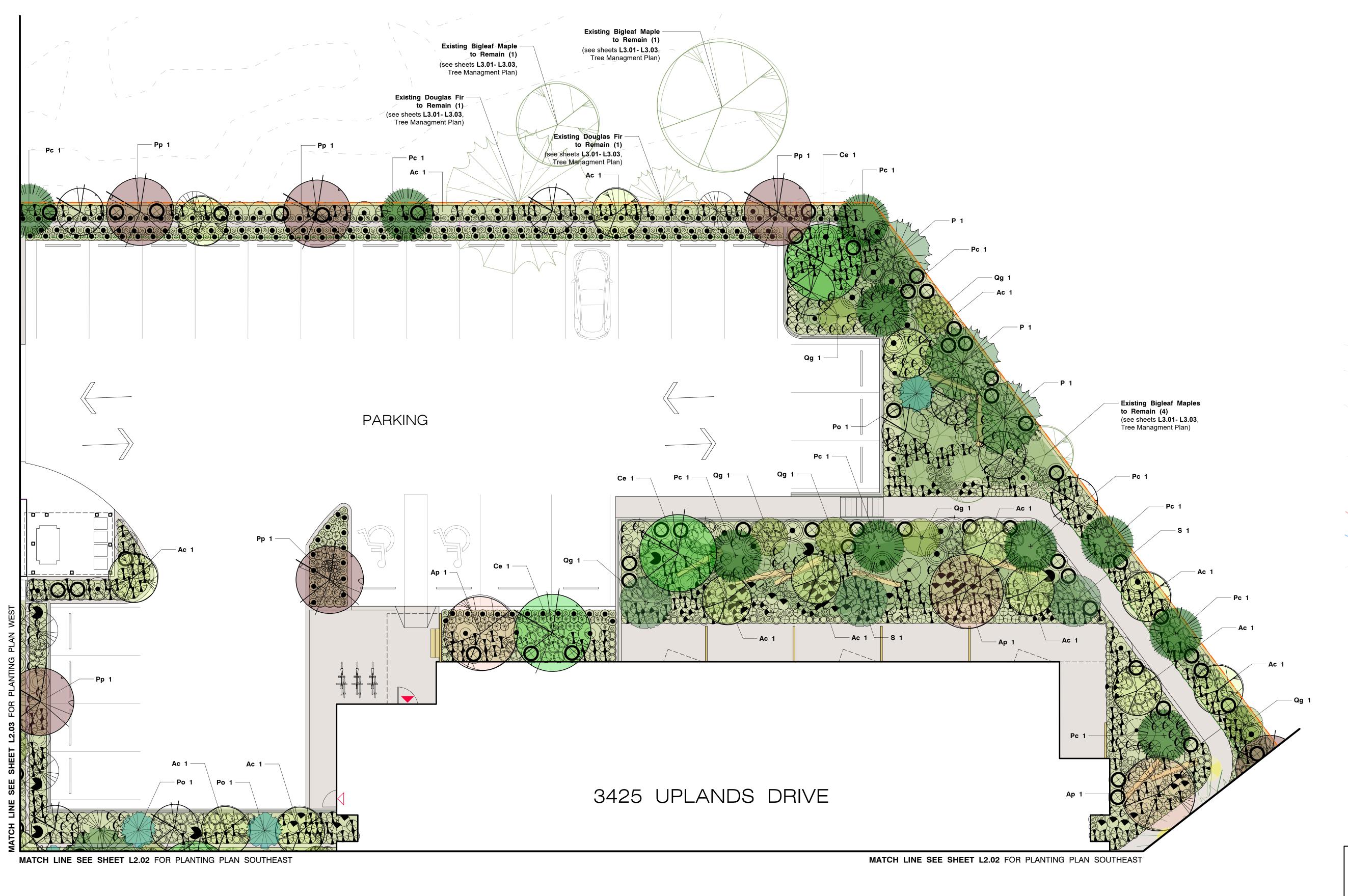
LANDSCAPE DETAILS

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L1.03

Elevation / Plan / Section



KEY PLAN



Refer to **Sheet L2.02** for Planting Plan Southeast

Refer to **Sheet L2.03** for Planting Plan West

Refer to **Sheet L2.04** for Planting Notes & Plant List

PLANTING PLAN NORTHEAST

SCALE 1:100

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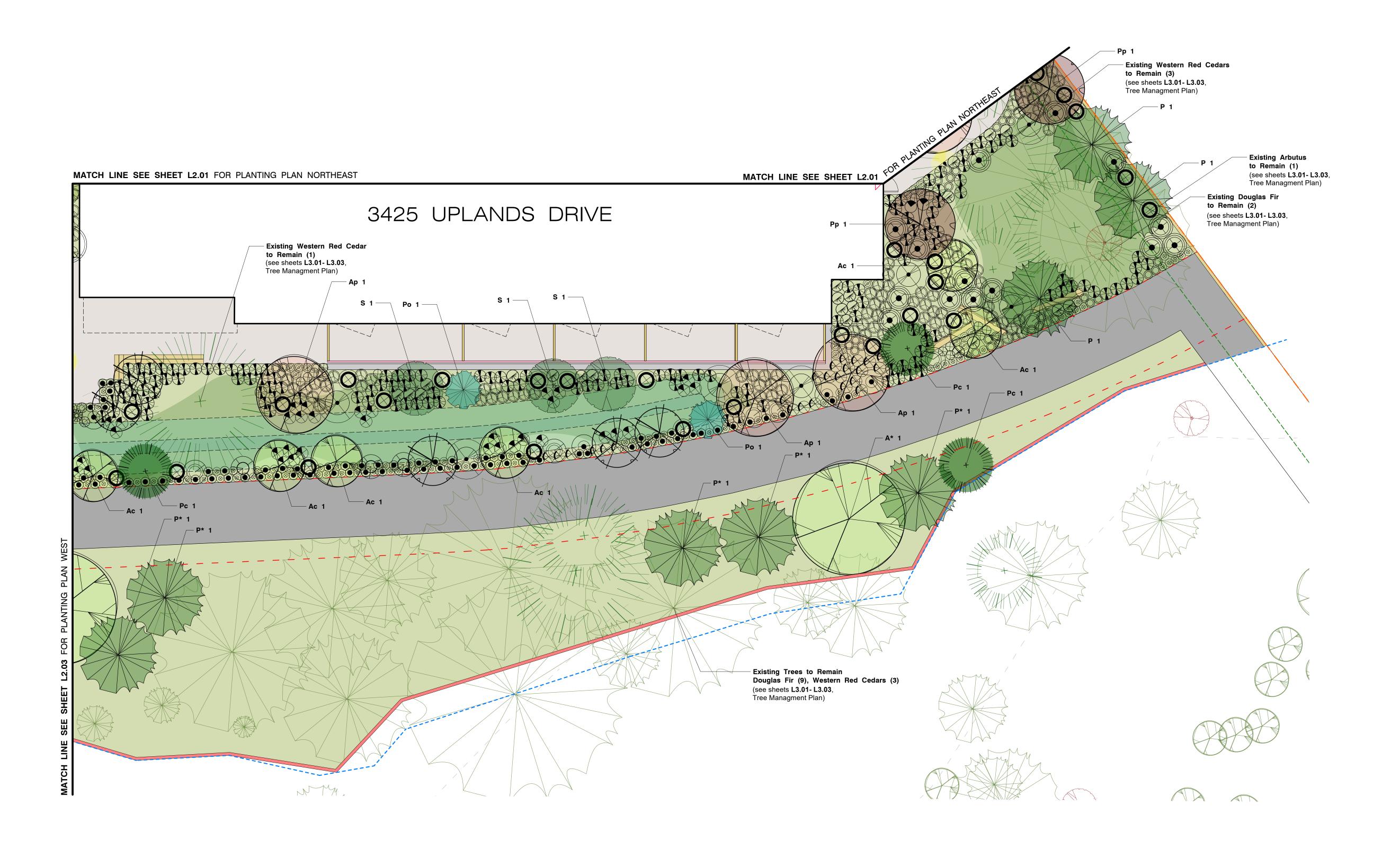
NANAIMO, BC

PROJECT ID 21004
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DATE 2023-10-01

PLANTING PLAN NORTHEAST

L2.01



KEY PLAN



Refer to **Sheet L2.01** for Planting Plan Northeast

Refer to **Sheet L2.03** for Planting Plan West

Refer to **Sheet L2.04** for Planting Notes & Plant List

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PLANTING PLAN SOUTHEAST

SCALE 1:100

Kinship design • art • ecology

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PLANTING PLAN L2.02 SOUTHEAST



KEY PLAN



Refer to Sheet L2.01 for Planting Plan Northeast

Refer to Sheet L2.02 for Planting Plan Southeast

Refer to Sheet L2.04 for Planting Notes & Plant List

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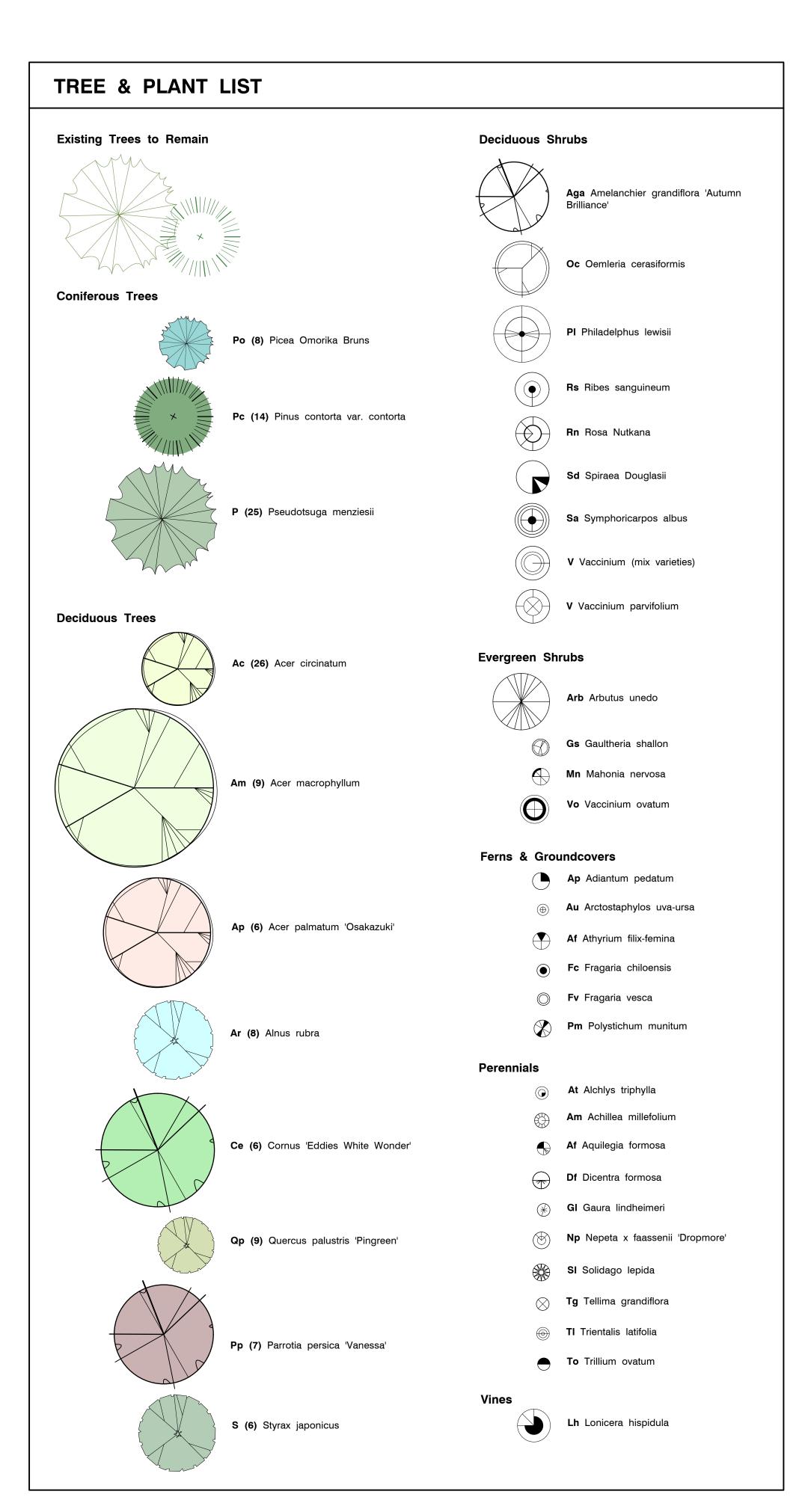
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SCALE 1:100

DATE 2023-10-01

PLANTING PLAN WEST
L2.03



	Botanical Name	Common Name	Pot Size	Spacing	Notes
ferous	Trees				
8	Picea Omorika Bruns	Serbian Spruce	#15	10m ht.	Non-nativ
14	Pinus contorta var.contorta	Shore Pine	#15 "4	10m ht	Native
6 1 <i>1</i>	Pinus contorta var.contorta	Shore Pine	#1 #15	10m ht	Native Native
					Native
• •	i oddolodga monzioon	Douglas I II	<i>"</i> 1	7011111	Nativo
duous	Trees				
26	Acer circinatum	Vine Maple	#15 "5	6m ht	Native
-					Native Native
					Non-nativ
	•				Native
					Hybrid nati
				7111111	Non-Nati
				7m ht	Non-nativ
6	Styrax japonicus	Japanese Snowbell	#20	4m	Non-nativ
duous	Shruhs				
15	Amelanchier alnifolia	Service Berry	#3	Multistem	Native
7	Omeleria cerasiformis	June Plum	#3	2m o.c.	Native
15	Philadelphus lewisii	Mock Orange	#2	2m o.c.	Native
				1.2m o.c.	Native
					Native
					Native
					Native Non-nativ
		•	#2 #1		Native
	•	,			
				_	
5					Non-nativ
					Native Native
106	Vaccinium ovatum	Evergreen Huckleberry	#2	1m o.c.	Native
		Maidankais Fass	444	600000	Native
					Native
					Native
		•			Native
					Native
651	Polystichum munitum	Sword fern	#1	60cm o.c.	Native
aniala					
	Achlys triphylla	Vanilla I eaf	10cm	45cm o c	Native
		Yarrow			Native
59	Aquilegia formosa	Red Columbine	10cm	45cm o.c.	Native
87	Dicentra formosa	Pacific Bleeding Heart	10cm	60cm o.c.	Native
43	Gaura lindheimeri	Bee blossom	#1	45cm o.c.	Non-nativ
8	Nepeta dropmore blue	Catmint	#1	60cm o.c.	Non-nativ
40	Solidago canadensis	Canada Goldenrod	10cm	60cm o.c.	Native
	T . 115		10cm	45cm o.c.	Native
72	Tellima grandiflora	Fringecup			A
	i ellima grandiflora Trientalis latifolia Trillium ovatum	Fringecup Broad-leaved Starflower Western Trillium	10cm #1	45cm o.c. 45cm o.c.	Native Native
72 154 41	Trientalis latifolia Trillium ovatum	Broad-leaved Starflower	10cm	45cm o.c.	
72 154 41 garden	Trientalis latifolia Trillium ovatum & Bioswale	Broad-leaved Starflower Western Trillium	10cm #1	45cm o.c. 45cm o.c.	Native
72 154 41 garden 160	Trientalis latifolia Trillium ovatum & Bioswale Carex obnupta	Broad-leaved Starflower Western Trillium Slough Sedge	10cm #1 10cm	45cm o.c. 45cm o.c.	Native Native
72 154 41 garden	Trientalis latifolia Trillium ovatum & Bioswale Carex obnupta Iris missouriensis	Broad-leaved Starflower Western Trillium Slough Sedge Western Blue Flag Iris	10cm #1	45cm o.c. 45cm o.c.	Native
72 154 41 garden 160 80	Trientalis latifolia Trillium ovatum & Bioswale Carex obnupta	Broad-leaved Starflower Western Trillium Slough Sedge	10cm #1 10cm #1	45cm o.c. 45cm o.c. 60cm o.c. 60cm o.c.	Native Native Native
72 154 41 garden 160 80 160 160	Trientalis latifolia Trillium ovatum & Bioswale Carex obnupta Iris missouriensis Juncus ensifolius	Broad-leaved Starflower Western Trillium Slough Sedge Western Blue Flag Iris Dagger-Leaf Rush	10cm #1 10cm #1 10cm	45cm o.c. 45cm o.c. 60cm o.c. 60cm o.c. 60cm o.c.	Native Native Native
72 154 41 garden 160 80 160	Trientalis latifolia Trillium ovatum & Bioswale Carex obnupta Iris missouriensis Juncus ensifolius	Broad-leaved Starflower Western Trillium Slough Sedge Western Blue Flag Iris Dagger-Leaf Rush	10cm #1 10cm #1 10cm	45cm o.c. 45cm o.c. 60cm o.c. 60cm o.c. 60cm o.c.	Native Native Native Native
	14 11 duous 26 6 3 6 8 6 9 7 6 duous 15 7 72 26 14 27 26 14 27 28 296 60 303 154 651 3025	duous Trees 26	Pseudotsuga menziesii Pseudotsuga menziesii Douglas Fir	14 Pseudotsuga menziesii Douglas Fir H15 Stuous Trees 26 Acer circinatum Vine Maple #15 6 Acer macrophyllum Big Leaf Maple #5 3 Acer macrophyllum Big Leaf Maple #1 6 Acer palmatum 'Osakazuki' Japanese Maple #15 8 Alnus rubra Red Alder #1 6 Cornus 'Eddies White Wonder' White Flowering Dogwood #20 9 Quercus palustris 'Pingreen' Columnar Pin Oak #20 7 Parrotia persica Persian Ironwood #20 6 Styrax japonicus Japanese Snowbell #20 Stuous Shrubs 15 Amelanchier alnifolia Service Berry #3 15 Philadelphus lewisi Mock Orange #2 23 Ribes sanguineum Red Flowering Currant #2 15 Rosa Nutkana Nootka Rose #2 17 Spiraea Douglasii Western Spirea #2 17 Symphoricarpos albus Snowberry #1 14 Vaccinium parvifolium Red Huckleberry #2 14 Vaccinium parvifolium Red Huckleberry #1 green Shrubs 5 Arbutus unedo 'Compacta' Compact Strawberry Tree #3 394 Gaultheria shallon Salal #1 252 Mahonia nervosa Dull Oregon Grape #1 253 Adiantum pedatum Evergreen Huckleberry #2 26 Arctostaphylos uva-ursi Kinnikinnick 10cm #1 26 Arctostaphylos uva-ursi Kinnikinnick 10cm #1 27 Polystichum munitum Sword fern #1 28 Achillea millefolium Yarrow 10cm	14

PLANT LIST

PLANTING NOTES

- 1. All landscape construction to be in accordance with the City of Nanaimo Engineering Standards and Specifications
- 2. All landscape installation and maintenance to meet or exceed the current edition of the Canadian Landscape Standards as a minimal acceptable standard.
- 3. Growing medium to meet or exceed the properties outlined in the Canadian Landscape Standard per Section 6 Growing Medium, Table T-6.3.5.3. Properties of Growing Media Level 2 "Groomed" - 2P.
- 4. Growing Medium Depths (unless otherwise specified): Tree Planting Areas: 1 cu. m. per tree Shrub & Ground Cover Areas: 450mm (18") depth Seeded Areas: 150mm (6") depth
- 5. Mulch to be Compost per Section 10 Mulching of the Canadian Landscape Standard. Mulch depth to be 50mm minimum depth over all tree, shrub, and groundcover planted areas.
- 6. Plant material quality, transport and handling shall comply with the CNLA standards for Nursery Stock.
- 7. All plant material shall match type and species as indicated on the planting plan. Contact the Landscape Architect for approval of substitutions. No substitutions will be accepted without prior written approval of the Landscape
- 8. Check for locations of water lines and other underground services prior to digging tree pits. Excavated plant pits shall have positive drainage. Plant pits when fully flooded with water shall drain within one hour after filling.
- 9. No plants requiring pruning or major branches due to disease, damage or poor form will be accepted.
- 10. All tree, shrub, groundcover and lawn areas shall be watered via an underground automatic irrigation system utilizing 'Smart' (ET/Weather-based) irrigation control. Irrigation emission devices to be high efficiency low volume rotary nozzles or drip irrigation equipment.

Refer to Sheet L2.01 for Planting Plan Northeast Refer to Sheet L2.02 for Planting Plan Southeast

Refer to Sheet L2.03 for Planting Plan West

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UPLANDS DRVE 3425 UPLANDS DRIVE NANAIMO, BC

PROJECT

PLANTING NOTES & **PLANT LIST**

PROJECT ID 21004 CB KS **SCALE** SEE SHEET DATE 2023-10-01

L2.04

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TREE INVENTORY SYNOPSIS

NTS

(provided by MJR Tree Services Inc. - included as confirmation that the Tree Inventory was completed by appropriately qualified professionals)



TMP KEY PLAN

SCALE 1:500

TREE MANAGEMENT NOTES

- 1. All tree information taken from '3425/3401 Uplands Drive Tree Inventory Synopsis 2023-10-24' prepared by MJR Tree Service (250-616-8906).
- 2. See 3425/3401 Uplands Drive Tree Inventory Synopsis 2023-10-24' for:
 - Onsite Tree InventoryAdjacent Property Trees
 - Adjacent Property Tree
 Trees of Significance
 - Tree Location Map
- . See L2.01 L2.03 Planting Plans for Replacement Tree Species and Locations
- 4. See L3.01 L3.03 for MJR Tree Synopsis, Tree Management Plan, Tree Inventory and Tree Protection Fencing Plant List + Notes for Replacement Tree Species and Sizes
- For Questions and Clarifications concerning '3425/3401 Uplands Drive -Tree Inventory Synopsis 2023-10-24' contact MJR Tree Service (250-616-8906).

TMP KEY PLAN LEGEND





Area: 3,160m² (0.32ha)

Note: Only dead or invasive trees to be removed.

TREE MANAGEMENT PLAN AREA
Note: Dashed area encompasses all tree removals
(except dead or invasive trees) and all proposed
replacement trees (see 13.02)

15m WETLAND SETBACK

TREE RETENTION AREAS
Area: 2,847m² (0.28ha)

Refer to Sheet L1.01 for Landscape Plan

Refer to Sheet L2.01 for Planting Plan Northeast

Refer to Sheet L2.02 for Planting Plan Southeast

Refer to Sheet L2.03 for Planting Plan West

Refer to Sheet L2.04 for Planting Notes & Plant List

Refer to Sheet L3.02 for Tree Management Plan

Refer to Sheet L3.03 for Tree Inventory

Refer to Sheet L3.04 for Tree Protection Fencing

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NANAIMO, BC

TREE MANAGEMENT PLAN

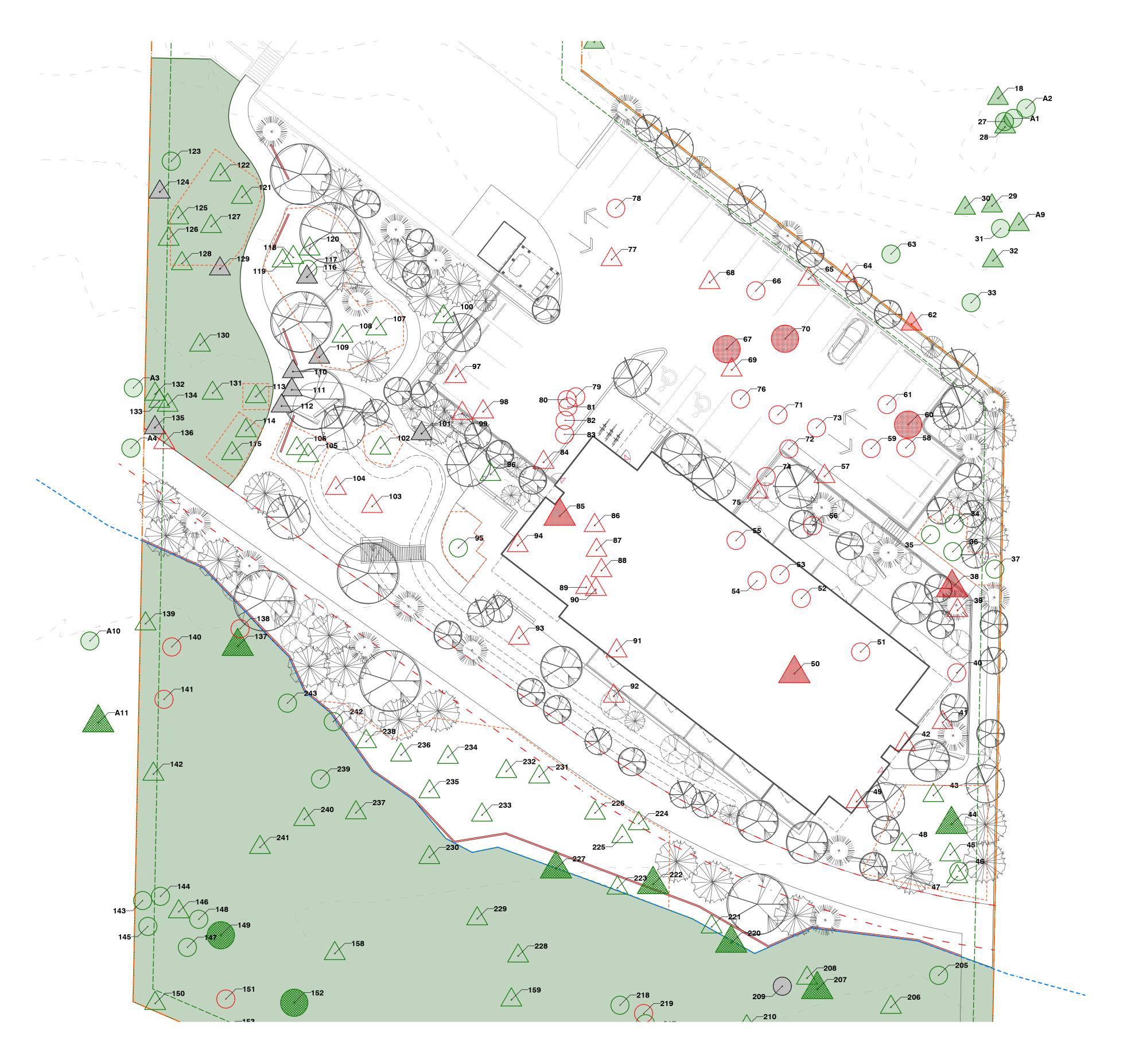
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DB KS CB KS

SCALE SEE SHEET

DATE 2023-10-01

L3.01



TREE MANAGEMENT PLAN

SCALE 1:200



Refer to Sheet L1.01 for Landscape Plan

PARCEL BOUNDARY

----- 15m WETLAND SETBACK

— — — STATUTORY RIGHT-OF-WAY

TREES TO BE RETAINED

Quantity: 57

RETAINED

Quantity: 10

DEAD TREES

TREE PROTECTION FENCING

POST & RAIL ENVIRONMENTAL

PROTECTION FENCE

PARCEL TO BE RETAINED

DECIDUOUS TREE ON ADJACENT

PARCEL TO BE RETAINED

DEAD DECIDUOUS TREE Quantity: 1

DEAD CONIFEROUS TREE Quantity: 9

Refer to Sheet L2.01 for Planting Plan Northeast

Refer to Sheet L2.02 for Planting Plan Southeast

Refer to Sheet L2.03 for Planting Plan West

Refer to Sheet L2.04 for Planting Notes & Plant List

Refer to Sheet L2.04 for Planting Notes & Plant List

Refer to Sheet L3.01 for MJR Tree Synopisis Tree Management Key Plan & Tree Management Notes

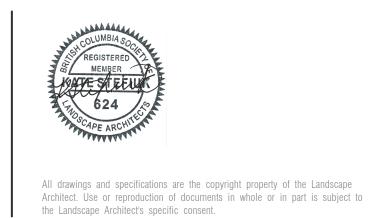
Refer to **Sheet L3.03** for Tree Inventory

Refer to Sheet L3.04 for Tree Protection Fencing

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PROJECT UPLANDS DRVE 3425 UPLANDS DRIVE NANAIMO, BC

TREE MANAGEMENT PLAN

PROJECT ID 21004 **SCALE** SEE SHEET 2023-10-01 DATE

L3.02

TREE INVENTORY

PARCEL AREA: 1.02 ha PREVIOUSLY DEVELOPED AREA: 0.31 ha **DEVELOPMENT FOOTPRINT: 0.42 ha** TREE RETENTION AREA: 0.29 ha

REPLACEMENT TREES REQUIRED: 42

REPLACEMENT TREES PROPOSED: 42 ADDITIONAL LANDSCAPE TREES PROPOSED: 94

TOTAL NUMBER OF TREES PROPOSED: 136

EXISTING TREES

KEY	OTV	RETAINED BOTANICAL NAME	COMMON NAME	DBH (cm)	NOTES (Site Location: Status)
	QTY				NOTES (Site Location; Status)
1-2	2	Psuedotsuga menziesii	Douglas Fir		Adjacent
3	1	Thuja plicata	Western Red Cedar	6-15cm	
4-10	7	Psuedotsuga menziesii	Douglas Fir	11-70	Adjacent
11	1	Thuja plicata	Western Red Cedar	35	Adjacent
12-14	3	Psuedotsuga menziesii	Douglas Fir	13-31	Adjacent
15	1	Thuja plicata	Western Red Cedar	25	Adjacent
16-19	4	Psuedotsuga menziesii	Douglas Fir	11-66	Adjacent
20	1	Acer macrophyllum	Bigleaf Maple		Adjacent
		• •	•		-
21	1	Cornus nuttallii	Pacific Dogwood	31	Adjacent; Significant
22	1	Psuedotsuga menziesii	Douglas Fir	10	Adjacent
23	1	Prunus serotina	Black Cherry	11	Adjacent
24	1	Thuja plicata	Western Red Cedar	50	Adjacent
25	1	Robinia psuedoacacia	Black Locust	40	Adjacent
26	1	Psuedotsuga menziesii	Douglas Fir	8	Adjacent
			· ·		•
27	1	Acer macrophyllum	Bigleaf Maple	13	Adjacent
28-30	3	Psuedotsuga menziesii	Douglas Fir	8-64	•
31	1	Acer macrophyllum	Bigleaf Maple	48	Adjacent
32	1	Psuedotsuga menziesii	Douglas Fir	23	Adjacent
33	1	Acer macrophyllum	Bigleaf Maple	60	Adjacent
34-37	4	Acer macrophyllum	Bigleaf Maple	17-26	Development Footprint
			Western Red Cedar		· · · · · · · · · · · · · · · · · · ·
43	1	Thuja plicata		68	Development Footprint
44	1	Psuedotsuga menziesii	Douglas Fir	82	Development Footprint; Significar
45	1	Thuja plicata	Western Red Cedar	57	Development Footprint
46	1	Arbutus menziesii	Arbutus	10	Development Footprint
47	1	Psuedotsuga menziesii	Douglas Fir	7	Development Footprint
48	1	Thuja plicata	Western Red Cedar	38	Development Footprint
63	1	Acer macrophyllum	Bigleaf Maple	38	Adjacent
95	1	Acer macrophyllum	Bigleaf Maple	57	Development Footprint
96	1	Thuja plicata	Western Red Cedar	6 x 1-10cm	Development Footprint
100	1	Thuja plicata	Western Red Cedar	31	Development Footprint
102	1	Thuja plicata	Western Red Cedar	30	Development Footprint
105-108		Thuja plicata	Western Red Cedar	14-53	Development Footprint
		• •			· · · · · · · · · · · · · · · · · · ·
113-115		Thuja plicata	Western Red Cedar	15-25	Tree retention area
117	1	Acer macrophyllum	Bigleaf Maple	59	Development Footprint
118-119	2	Thuja plicata	Western Red Cedar	12-27	Development Footprint
120	1	Psuedotsuga menziesii	Douglas Fir	75	Development Footprint
121	1	Psuedotsuga menziesii	Douglas Fir	37	Tree retention area
122	1	Thuja plicata	Western Red Cedar	_	Tree retention area
				•	
123	1	Acer macrophyllum	Bigleaf Maple		Tree retention area
125-128	4	Psuedotsuga menziesii	Douglas Fir	39-66	Tree retention area
130-134	5	Psuedotsuga menziesii	Douglas Fir	24-71	Tree retention area
137	1	Psuedotsuga menziesii	Douglas Fir	122	Tree retention area; Significant
139	1	Psuedotsuga menziesii	Douglas Fir	18	Tree retention area
142	1	Thuja plicata	Western Red Cedar	27	
		• •			
143-144		Sorbus americana	Mountain Ash		Tree retention area
145	1	Alnus rubra	Red Alder	22	Tree retention area
146	1	Thuja plicata	Western Red Cedar	19	Tree retention area
147	1	Alnus rubra	Red Alder	29	Tree retention area
148	1	Prunus serotina	Black Cherry	25	Tree retention area
149	1	Alnus rubra	Red Alder	36	Tree retention area; Significant
					· · · · · ·
150	1	Psuedotsuga menziesii	Douglas Fir	27	Tree retention area
152	1	Alnus rubra	Red Alder	37	Tree retention area; Significant
154	1	Alnus rubra	Red Alder	38	Tree retention area; Significant
155	1	Thuja plicata	Western Red Cedar	90	Tree retention area; Significant
156-157	2	Alnus rubra	Red Alder	34-37	Tree retention area; Significant
158	1	Thuja plicata	Western Red Cedar	47	Tree retention area
		• •			
159	1	Psuedotsuga menziesii	Douglas Fir	29	Tree retention area
160	1	Sorbus americana	Mountain Ash	10	Tree retention area
161	1	Thuja plicata	Western Red Cedar	24	Tree retention area
162	1	Alnus rubra	Red Alder	28	Tree retention area
163	1	Psuedotsuga menziesii	Douglas Fir		Tree retention area
164			Bigleaf Maple	17	Tree retention area
	1	Acer macrophyllum	• •		
165	1	Psuedotsuga menziesii	Douglas Fir		Tree retention area
166	1	Psuedotsuga menziesii	Douglas Fir	87	Tree retention area; Significant
167-169	3	Alnus rubra	Red Alder	8-18	Tree retention area
170	1	Alnus rubra	Red Alder	33	Tree retention area; Significant
171	1	Alnus rubra	Red Alder	24	Tree retention area
172	1	Alnus rubra	Red Alder		Tree retention area; Significant
					_
L73-176		Alnus rubra	Red Alder		Tree retention area
177	1	Alnus rubra	Red Alder	30	
178	1	Alnus rubra	Red Alder	12	Tree retention area
179	1	Acer macrophyllum	Bigleaf Maple	10	Tree retention area
180-186		Alnus rubra	Red Alder		Tree retention area
187	1	Salix spp.	Willow		Tree retention area
188-191	4	Alnus rubra	Red Alder	12-17	
192	1	Alnus rubra	Red Alder	38	Tree retention area; Significant
193	1	Salix spp.	Willow	35,25	Tree retention area; Significant
194-195	2	Alnus rubra	Red Alder		Tree retention area
196	1	Acer macrophyllum	Bigleaf Maple	56	Tree retention area
		Prunus serotina	Black Cherry	33	Tree retention area
197	1	ELLINON SPIOLITIC		44	n ee retennon afea

198	1	Alnus rubra	Red Alder	14	Tree retention area
199	1	Alnus rubra	Red Alder	20	Tree retention area
200-204	5	Alnus rubra	Red Alder	13-17	Tree retention area
205	1	Arbutus menziesii	Arbutus	23	Tree retention area
206	1	Psuedotsuga menziesii	Douglas Fir	64	Tree retention area
207	1	Psuedotsuga menziesii	Douglas Fir	92	Tree retention area; Significant
208	1	Thuja plicata	Western Red Cedar	69	Tree retention area
210-211	2	Psuedotsuga menziesii	Douglas Fir	24-56	Tree retention area
212	1	Psuedotsuga menziesii	Douglas Fir	95	Tree retention area; Significant
213	1	Alnus rubra	Red Alder	14	Tree retention area
215	1	Psuedotsuga menziesii	Douglas Fir	10	Tree retention area
216	1	Acer macrophyllum	Bigleaf Maple	27	Tree retention area
217-218	2	Alnus rubra	Red Alder	17-18	Tree retention area
220	1	Psuedotsuga menziesii	Douglas Fir	88	Tree retention area; Significant
221	1	Psuedotsuga menziesii	Douglas Fir	53	Development Footprint
222	1	Psuedotsuga menziesii	Douglas Fir	86	Development Footprint; Significant
223	1	Psuedotsuga menziesii	Douglas Fir	53	Development Footprint
224-225	2	Thuja plicata	Western Red Cedar	47-64	Development Footprint
226	1	Psuedotsuga menziesii	Douglas Fir	76	Development Footprint
227	1	Psuedotsuga menziesii	Douglas Fir	94	Tree retention area; Significant
228-230	3	Psuedotsuga menziesii	Douglas Fir	25-55	Tree retention area
231-236	6	Psuedotsuga menziesii	Douglas Fir	16-79	Development Footprint
237	1	Psuedotsuga menziesii	Douglas Fir	72	Tree retention area
238	1	Psuedotsuga menziesii	Douglas Fir	28	Development Footprint
239	1	Acer macrophyllum	Bigleaf Maple	29	Tree retention area
240	1	Psuedotsuga menziesii	Douglas Fir	16	Tree retention area
241	1	Thuja plicata	Western Red Cedar	29	Tree retention area
242	1	Alnus rubra	Red Alder	13	Tree retention area
243	1	Acer macrophyllum	Bigleaf Maple	74	Tree retention area
244	1	Abies balsamea	Balsam Fir	34	Adjacent
A01	1	Acer macrophyllum	Bigleaf Maple	14	Adjacent
A02	1	Psuedotsuga menziesii	Douglas Fir	79	Adjacent
A03	1	Thuja plicata	Western Red Cedar	52	Adjacent
A04-A10	7	Psuedotsuga menziesii	Douglas Fir	25-65	Adjacent
A11	1	Thuja plicata	Western Red Cedar	87	Adjacent; Significant

TOTAL NUMBER OF TREES TO BE RETAINED: 182 (includes those on adjacent parcels)

(EY	QTY	BOTANICAL NAME	COMMON NAME	DBH (CM)	NOTES
8	1	Psuedotsuga menziesii	Douglas Fir	96	Development Footprint; Significan
9	1	Psuedotsuga menziesii	Douglas Fir	14	Development Footprint
0	1	Prunus serotina	Black Cherry	22	Development Footprint
1	1	Thuja plicata	Western Red Cedar	49	Development Footprint
2	1	Psuedotsuga menziesii	Douglas Fir	66	Development Footprint
9	1	Psuedotsuga menziesii	Douglas Fir	69	Development Footprint
)	1	Thuja plicata	Western Red Cedar	83	Development Footprint; Significant
1-53	3	Acer macrophyllum	Bigleaf Maple	14-48	Development Footprint
4	1	Ilex aquifolium	English Holly	10	Development Footprint
5	1	Acer macrophyllum	Bigleaf Maple	57	Development Footprint
5	1	Prunus serotina	Black Cherry	19	Development Footprint
7	1	Psuedotsuga menziesii	Douglas Fir	57	Development Footprint
3	1	Prunus serotina	Black Cherry	20	Development Footprint
)	1	Psuedotsuga menziesii	Douglas Fir	10	Development Footprint
)	1	Acer macrophyllum	Bigleaf Maple	87	Development Footprint; Significant
1	1	Prunus serotina	Black Cherry	13	Development Footprint
2	1	Psuedotsuga menziesii	Douglas Fir	31	Adjacent
4	1	Psuedotsuga menziesii	Douglas Fir	66	Development Footprint
5	1	Thuja plicata	Western Red Cedar	28	Development Footprint
õ	1	Acer macrophyllum	Bigleaf Maple	61	Development Footprint
7	1	Arbutus menziesii	Arbutus	57	Development Footprint; Significan
3-69	2	Psuedotsuga menziesii	Douglas Fir	8-12	Development Footprint
)	1	Cornus nuttallii	Pacific Dogwood	14	Development Footprint; Significan
L-74	1	Prunus serotina	Black Cherry	14-53	Development Footprint
5	1	Thuja plicata	Western Red Cedar	52	Development Footprint
5	1	Prunus serotina	Black Cherry	15	Development Footprint
7	1	Thuja plicata	Western Red Cedar	35	Development Footprint
8-83	6	Acer macrophyllum	Bigleaf Maple	8-38	Development Footprint
1	1	Psuedotsuga menziesii	Douglas Fir	63	Development Footprint
5	1	Psuedotsuga menziesii	Douglas Fir	92	Development Footprint; Significan
5-94	9	Thuja plicata	Western Red Cedar	20-70	Development Footprint
7-99	3	Thuja plicata	Western Red Cedar	8-77	Development Footprint
)1	1	Thuja plicata	Western Red Cedar	32	Development Footprint, dead
03	1	Psuedotsuga menziesii	Douglas Fir	21	Development Footprint
)4	1	Thuja plicata	Western Red Cedar	16	Development Footprint
9-112	4	Thuja plicata	Western Red Cedar	24-45	Development Footprint, dead
16	1	Thuja plicata	Western Red Cedar	27	Development Footprint, dead
24	1	Thuja plicata	Western Red Cedar	11	Tree retention area, dead
29	1	Thuja plicata	Western Red Cedar	25	Tree retention area, dead
35	1	Psuedotsuga menziesii	Douglas Fir	15	Tree retention area, dead
36	1	Psuedotsuga menziesii	Douglas Fir	76	Development Footprint
88	1	Ilex aquifolium	English Holly	11	Tree retention area
10-141	2	Ilex aquifolium	English Holly	9-10	Tree retention area
51	1	Ilex aquifolium	English Holly	17	Tree retention area
53	1	Ilex aquifolium	English Holly	12	Tree retention area
09	1	Arbutus menziesii	Arbutus	30	Tree retention area, dead
14	1	Ilex aquifolium	English Holly	14	Tree retention area
19	1	Ilex aquifolium	English Holly	11	Tree retention area

TOTAL NUMBER OF TREES TO BE REMOVED: 73 (includes 10 dead specimens)

REPLACEMENT TREES (42 required)

DECIDUOUS TREES

210120000 111210						
QTY	QTY	BOTANICAL NAME	COMMON NAME	IN HT. (m)	NOTES	
Ac	(9)	Acer circinatum	Vine Maple	2.0m ht.	#7, Multistem	
Am	(6)	Acer macrophyllum	Bigleaf Maple	2.0m ht	#20	
Ce	(6)	Cornus eddies white wonder	Eddies White Wonder	3.0m ht.	#20	

TOTAL NUMBER OF DECIDUOUS REPLACEMENT TREES: 21

CONIECDOLIS TREES

CONIFEROUS TREES						
QTY BOTANICAL NAME	COMMON NAME	IN HT. (m) NOTES				
(10) Pinus contorta var.contorta	Shore Pine	1.5m ht #15				
(11) Pseudotsuga menziesii	Douglas Fir	2.0m ht. #15				
	QTY BOTANICAL NAME (10) Pinus contorta var.contorta	QTY BOTANICAL NAME COMMON NAME (10) Pinus contorta var.contorta Shore Pine	QTY BOTANICAL NAME COMMON NAME IN HT. (m) NOTES (10) Pinus contorta var.contorta Shore Pine 1.5m ht #15			

TOTAL NUMBER OF CONIFEROUS REPLACEMENT TREES: 21

TOTAL NUMBER OF REPLACEMENT TREES: 42

ADDITIONAL LANDSCAPE TREES

DECIDUOUS TREES						
QTY	QTY	BOTANICAL NAME	COMMON NAME	IN HT. (m)	NOTES	
Ac	(17)	Acer circinatum	Vine Maple	2.0m ht.	#7, Multistem	
Am	(3)	Acer macrophyllum	Bigleaf Maple	1.0m ht	#1	
Ар	(6)	Acer palmatum	Japanese Maple	1.5m ht	#7	
Ar	(8)	Alnus rubra	Red Alder	1.0m ht	#1	
Ce	(6)	Cornus eddies white wonder	Eddies White Wonder	3.0m ht.	#20	
Qg	(9)	Quercus palustris 'Pingreen'	Columnar Pin Oak	3.0m ht.	#20	
Рр	(7)	Parrotia persica	Persian Ironwood	1.5m ht	5cm cal.	
Qp	(6)	Styrax japonicus	Japanese Snowbell	2.0m ht.	#20	

TOTAL NUMBER OF DECIDUOUS LANDSCAPE TREES: 62

CONIFEROUS TREES

COMIF	CONFEROUS TREES					
QTY	QTY	BOTANICAL NAME	COMMON NAME	IN HT. (m)	NOTES	
Ро	(8)	Picea omorika bruns	Serbian Spruce	2.0m ht.	#15	
Р	(4)	Pinus contorta var.contorta	Shore Pine	1.5m ht	#15	
Р	(6)	Pinus contorta var.contorta	Shore Pine	1.0m ht.	#1	
Pm	(3)	Pseudotsuga menziesii	Douglas Fir	2.0m ht.	#15	
Pm	(11)	Pseudotsuga menziesii	Douglas Fir	1.0m ht.	#1	

TOTAL NUMBER OF CONIFEROUS LANDCAPE TREES: 32

TOTAL NUMBER OF ADDITIONAL LANDSCAPE TREES: 94

- 1) A total of 255 trees were surveyed for this application. Of this total, 47 specimens are located on adjacent properties; and 208 are located on the subject property. See 'Tree Inventory Synopsis' Provided by MJR Tree Services Inc.
- 2) Of the 208 trees on the subject property, 136 specimens are proposed to be retained and 62 are proposed to be removed. The remaining 10 trees are dead. Dead trees should be managed by a certified arborist to eliminate potential hazards and enhance habitat values. This includes removal, falling and leaving in place, or topping and retaining as
- 3) Of the 136 trees to be retained on the subject property, 101 specimens are are located within a 0.29 hectare retention area to remain free from development, and 35 are located within the proposed 0.42 hectare development footprint. In the retention area, the only trees to be removed are invasive (Ilex aquifolium - 7 specimens) or dead trees that pose a
- 4) Within the proposed development footprint, 35 trees are proposed to be retained, and 55 are proposed to be removed. Removals include six (6) significant trees (3 conifers: Tree #38, #50 and #85; and 3 deciduous: Tree #60, #67, and #70). One (1) invasive tree (#54, Ilex aquifolium) and six (6) dead trees within the development footprint are to be removed.
- 5) Of the 47 trees on adjacent properties, 36 are on a parcel to the west owned by the owner of the subject property, and 11 (A1 - A11) are on adjacent properties owned by others. One tree (#62) on the parcel to the west is proposed to be removed. Permission for this removal is approved as the owner also owns the subject property. A letter of confirmation to be provided.
- 6) City of Nanaimo "Management and Protection of Trees Bylaw 2013 No. 7126" requires 285 replacement trees, based on the number and size of trees to be removed, or 42 replacement trees based on the requirement to provide 100 replacement trees per hectare of developed area. 42 replacement trees are proposed, with 94 Additional Landscape Trees proposed to achieve a diverse forest landscape and generous canopy cover.
- 7) Inluded among the Additional Landcape Trees are 28 young trees (#1 pot size). These trees will provide a variable age distribution and add structural complexity to the forest landscape, creating a healthier, more diverse forest landscape over time, replicating a more nartural forest ecosystem. Even if these trees are excluded from the overall tree count, the total trees proposed for the site exceeds the amount required by 67 specimens.

Refer to **Sheet L1.01** for Landscape Plan

Refer to Sheet L2.01 for Planting Plan Northeast

Refer to Sheet L2.02 for Planting Plan Southeast

Refer to Sheet L2.03 for Planting Plan West

Refer to Sheet L2.04 for Planting Notes & Plant List

Refer to Sheet L3.01 for MJR Tree Synopisis Tree Management Key Plan & Tree Management Notes

Refer to Sheet L3.02 for Tree Management Plan

Refer to Sheet L3.04 for Tree Protection Fencing

NOT FOR CONSTRUCTION



REGISTERED MEMBER

ATE SEASON

SCAPE ARCHIE

Nanaimo Association for Community Living

CLIENT

ISSUE NO. | DATE | DEVELOPMENT PERMIT

03-11-2025 DP RESUBMISSION

NO. | DATE | **REVISION**

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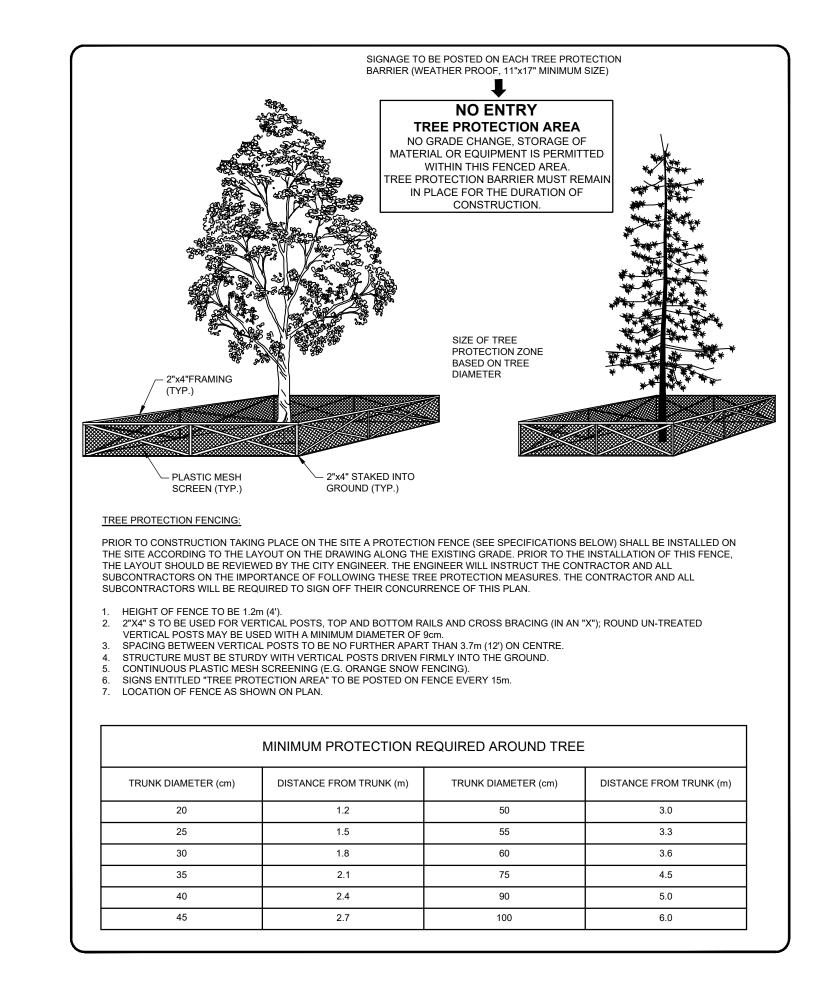
PROJECT

NANAIMO, BC

TREE MANAGEMENT PLAN

PROJECT ID 21004 CB KS **SCALE** SEE SHEET DATE 2023-10-01

L3.03



TREE PROTECTION FENCING

NTS

(refer to Drawing TP-1 of May 2020 version of Clty of Nanaimo Manual of Engineering Standards and Specifications)

Refer to **Sheet L1.01** for Landscape Plan

Refer to Sheet L2.01 for Planting Plan Northeast

Refer to Sheet L2.02 for Planting Plan Southeast

Refer to Sheet L2.03 for Planting Plan West

Refer to Sheet L2.04 for Planting Notes & Plant List

Refer to Sheet L3.01 for MJR Tree Synopisis Tree Management Key Plan & Tree Management Notes

Refer to Sheet L3.02 for Tree Management Plan

Refer to **Sheet L3.03** for Tree Inventory

NOT FOR CONSTRUCTION



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the Landscape Architect's specific consent.

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TREE MANAGEMENT PLAN

PROJECT ID 21004 CB KS **SCALE** SEE SHEET DATE 2023-10-01