

**Riparian Area:**

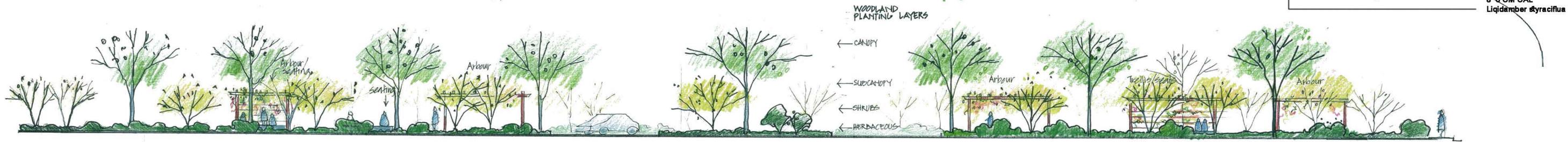
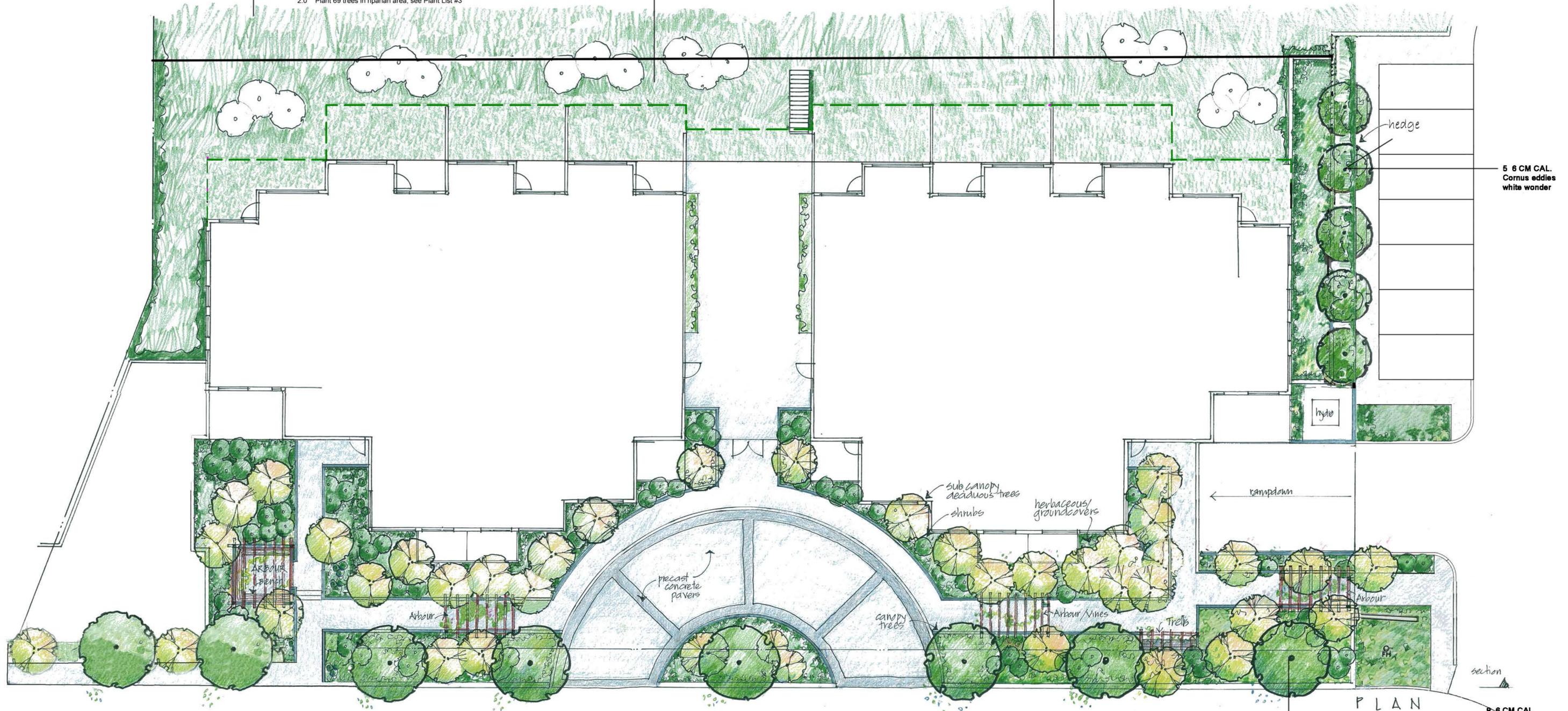
- 1.0 All invasive plants to be removed: These include Holly, English Hawthorn, Spurge Laurel and Himalayan Blackberry, English Ivy. Refer to City of Nanaimo's website: <http://nanaimoscience.org/introduced-and-invasive-species/> for removal protocol.
- 2.0 Plant 69 trees in riparian area, see Plant List #3

**Riparian Restoration Area:**

- 1.0 600 shrubs to be planted 1m o.c. in groups of ten, under direction of Landscape Architect. See Plant List #2
- 2.0 All plants and planting to be to BSCLA/BCNTA Landscape Standards, Latest Edition.
- 3.0 Plants to be irrigated for the first two years.

ENVIRONMENTAL FENCE AND SIGNS TO CITY OF NANAIMO SPECIFICATION

NOTE: SEE ARCHITECTS SITE PLAN FOR ENTIRE SITE



# 591 BRADLEY MULTI-FAMILY

**SECTION**  
 Scale: 1/8" = 1'-0"  
 Date: 4.8.17  
 Revised: 19.2.18  
 Revised: 21.9.18  
 Revised: 08.05.19

RECEIVED  
 DP1228  
 2021-APR-13  
 Current Planning

# DESIGN RATIONALE

The site is located on the north bank of the Millstone River.

The southern part of the property consists of the existing riparian vegetation. Any disturbance due to construction will be restored with native species that are already growing on the site.

The design concept for the northern part of the site will be to create a "copse" or small-scale woodland to reflect the native forest to the south.

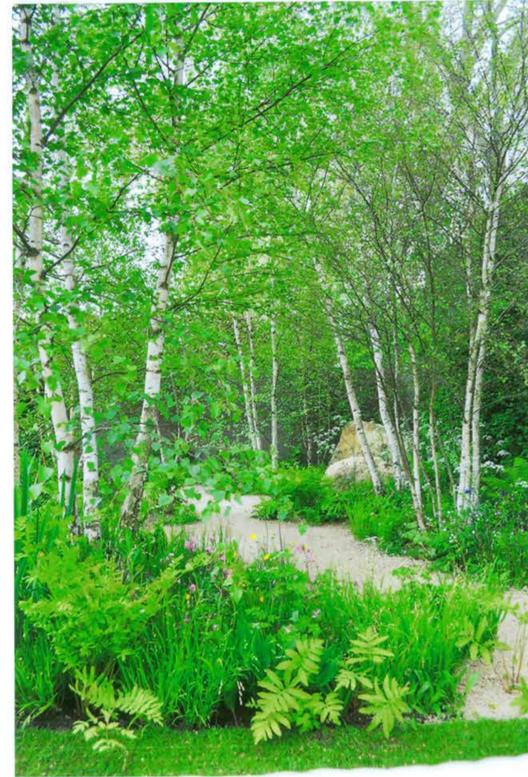
Typically, a woodland planting scheme consists of the canopy, sub-canopy, shrub and herbaceous layer.

Most of the open space in this area lies on top of the parkade with a narrow boulevard lying parallel to Bradley Street.

The canopy trees will be planted along this boulevard area where the trees have deeper soil for root growth. Sub-canopy plants, consisting of small trees or large shrubs with nonaggressive root systems will be located on the parkade slab and underplanted with shrubs and herbaceous plants.

These gardens will provide privacy for the living spaces on the north side, be a wind and dust filter and create habitat for wildlife. The dominant green changes the perception of the space both horizontally and vertically. While the paths that lead residents and visitors through the site are geometric, jogs create places to stop and sit and enjoy the plants. The gardens offer shade, changing interest all year from buds, flowers, leaves, fruit and bark.

# DESIGN ELEMENTS



Woodland plantings



Arbours and Trellises

# DESIGN DETAILS



GARDEN GATE



VINE COVERED WALKS



SHELTERED SEATS



SEATS IN THE SUN



SEATWALLS: LOW LEVEL LIGHTING

# PLANT LIST

## PLANT LIST #1 Upland landscape design

Qty\*\* Replacement trees  
Quantities for the remainder of the plan to be determined on Building Permit drawings.

Qty**	Key	Botanical Name	Common Name	Pot Size
<b>Large Deciduous Trees</b>				
5	Cn	Cornus edulis white wonder	Eddies White Wonder Dogwood	6 cm cal
8	Ls	Liquidambar styraciflua	Sweet gum	6 cm cal
<b>Small Deciduous Trees</b>				
Ac		Acer glabrum	Japanese Maple	2.5 m H
Ag		Amelanchier grandiflora Autumn Brilliance™	Service berry	10 gall
Ag		A.s. grandiflora Foliis. Hill	Serviceberry	10 gall
Ar		Aralia elata	Aralia	#10
Cs		Cornus kousa	Chinese Dogwood (multistem)	3m H
Co		Cornus mas	Cornelian cherry	#10
Fr		Fraxinus pennsylvanica	White Ash	#10
Ma		Malus baccata 'Scarlet Bravers Beauty'	Dwarf Crabapple	#10
Pr		Prunus argentea	Cherry	#10
Sr		Syringa reticulata 'Honey Sila'	Lilac	#10
<b>Evergreen Hedging</b>				
Th		Thuja plicata excelsior	Western Red Cedar	1.5m H
<b>Evergreen Shrubs</b>				
Au		Arbutus unedo	Strawberry Tree	#1
Az		Azalea japonica	Japanese Azalea	#1
Co		Conoclinium ovatum	Spreading Calli. Liliac	#1
La		Lavandula angustifolia 'Hidcote'	English lavender	#1
Cl		Chimonanthus fragrans	Wax Chrysan.	#1
Ph		Phlox paniculata	Phlox	#1
Rh		Rhododendron variegatum	Rhodod.	#2
Vt		Viburnum acerifolium	Evergreen Huckleberry	#1
<b>Deciduous Shrubs</b>				
Am		Amelanchier lamarckii	Serviceberry	#10
Co		Cornus alba sibirica	Red Tugger Dogwood	#1
Eu		Eurotia alata	Winged Eurycom	#1
Hd		Hedera helix	Ocean Spray	#1
Ph		Philadelphus lewisii 'Gordianus'	Mock Orange (Coastal)	#1
Ri		Ribes sanguineum	Red Flowering Currant	#1
<b>Ground Cover</b>				
Al		Alumina ripens	Bugle	#1
Ar		Arctostaphylos uva-ursi	Kinnikinnick	4.0m
Ep		Epimedium	Epimedium	#1
Os		Oxalis stricta	Salt	#1
Lo		Lonicera caerulea	Sweet Woodruff	#10
<b>Grasses</b>				
Co		Carex evergold	Evergold Sedge	#1
Hk		Hakonechloa macra	Japanese Woodland grass	#1
Ha		Halogeton sempervirens	Blue oak Grass	#1
Mt		Miscanthus sinensis yaku jima	Maiden Grass	#1
Ph		Phlox paniculata	Fourtan Grass	#1
Ms		Miscanthus sinensis var. purpurascens	Orange Flame Grass	#1
<b>Ferns</b>				
Ph		Polystichum munblum	Sword Fern	#1
<b>Peonies</b>				
Is		Iris sibirica	Siberian Iris	#1
Nd		Nepeta drooping blue	Catnip	#1
Os		Oxalis stricta	Black-eyed Susan	#1

## PLANT LIST #2 Riparian restoration area

Between the building and riparian setback

Qty	Key	Botanical Name	Common Name	Pot Size	Spacing
<b>Evergreen Shrubs</b>					
60	On	Ostrya virginica	Saw	#1	1m o.c.
60	Ma	Mahonia aquifolium	Tall Oregon Grape	#1	1m o.c.
60	Ma	Mahonia nervosa	Shrub Oregon Grape	#1	1m o.c.
60	Vt	Vaccinium ovatum	Evergreen Huckleberry	#1	1m o.c.
<b>Deciduous Shrubs</b>					
60	As	Amelanchier alnifolia	Saskatoon berry	#1	1m o.c.
60	Co	Cornus alba sibirica	Red Tugger Dogwood	#1	1m o.c.
60	Hd	Hedera helix	Ocean Spray	#1	1m o.c.
60	Ph	Philadelphus lewisii 'Gordianus'	Mock Orange (Coastal)	#1	1m o.c.
60	Ri	Ribes sanguineum	Red Flowering Currant	#1	1m o.c.
60	Ph	Polystichum munblum	Sword Fern	#1	1m o.c.

## PLANT LIST #3

Riparian area

Replacement trees planted within existing riparian area

Qty**	Key	Botanical Name	Common Name	Pot Size
<b>Deciduous Trees</b>				
64	Am	Acer macrocarpum	Big Leaf Maple	#5 pot
2	Ar	Alnus rubra	Red Alder	#5 pot
3	Fr	Fraxinus trichocarpa	Black Cottonwood	#5 pot

Total replacement trees required: 82  
Total replacement trees planted: 82

