

# ATTACHMENT G

## DETAILED PLANTING PLAN



208A – 2520 Bowen Road  
Nanaimo, BC V9T 3L3  
P: (250) 751-9070

May 03, 2022

EDI Project No: 20N0412

Dueck General Contracting  
3- 4515 Uplands Drive  
Nanaimo, BC V9T 6M8

Attention: Blair Dueck, Owner

**RE: Detailed Planting Plan for 2498 Rosstown Road, City of Nanaimo**

This detailed planting plan has been provided to supplement information provided in the watercourse leave strip variance plan prepared by FDI (November 2021). Since the watercourse leave strip variance plan was prepared, Newcastle Engineering Ltd. has progressed civil designs. These designs have been reviewed to verify anticipated site characteristics, areas and dimensions, and pond design. Table 1 from the watercourse leave strip variance plan remains largely unchanged and the revised version is provided below. The subsequent table (Table 2) provides a summary of plant species for each treatment area.

**Table 1. Planting specifications by plant type.**

Plant Type	Stock Size	Spacing Interval (m)	Species Examples Suitable for this Site	Approx. Number
Trees	2 to 5 gallon	3.0 throughout Park Wide, variable spacing elsewhere	Douglas fir, bigleaf maple, red alder, Pacific dogwood, Pacific Willow, Western Hemlock	63
Large Shrubs	1 to 2 gallon	0.75	Nootka rose, ocean spray, Pacific ninebark, red osier dogwood, salmonberry, red-flowering currant, red huckleberry	1,243
Small Shrubs	1 gallon	0.5	Oregon grape, snowberry, thimbleberry	220
Aquatic Plants (Pond)	4"	0.5	slough sedge, common rush, water shield, hardhack	240
Groundcover	4" to 1 gallon	0.5	Salal, kinnikinic, sword fern, bracken fern	200

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Current Planning



Table 2. Table 2. Summary of Plant Species in Each Treatment Area.

Type	Common Name	Scientific Name	Treatment Area*				Stock Size	Totals	Notes
			1	2	3	4			
Tree	Red alder	<i>Alnus rubra</i>			12		5-gallon	12	Even distribution
Tree	Bigleaf maple	<i>Acer macrophyllum</i>	6		6		5-gallon	12	Even distribution
Tree	Pacific willow	<i>Salix lucida</i>			10		2-gallon	10	Pond edge
Tree	Pacific dogwood	<i>Cornus nuttallii</i>	6				5-gallon	6	South side of area
Tree	Douglas-fir	<i>Abies grandis</i>	9		14		5-gallon	23	Even distribution
Shrub	Salmonberry	<i>Rubus spectabilis</i>			50		2-gallon	50	Low lying, moist areas
Shrub	Nootka rose	<i>Rosa nutkana</i>	55	43	125		2-gallon	223	Even distribution
Shrub	Snowberry	<i>Symphoricarpos albus</i>	55	43	125		2-gallon	223	Even distribution
Shrub	Ocean spray	<i>Holodiscus discolor</i>	60	48	125		2-gallon	233	Even distribution
Shrub	Red Huckleberry	<i>Vaccinium parviflorum</i>	21	16	125		2-gallon	162	Even distribution
Shrub	Red Flowering Currant	<i>Ribes sanguineum</i>	47	35	125		2-gallon	207	Even distribution
Shrub	Red osier dogwood	<i>Cornus stolonifera</i>			52		2-gallon	52	Low lying, moist areas
Shrub	Saskatoon	<i>Amelanchier alnifolia</i>	45	28	20		2-gallon	93	South side of area
Groundcover	Salal	<i>Gaultheria shallon</i>	40	14	80		1-gallon	134	Even distribution
Groundcover	Swordfern	<i>Polystichum munitum</i>	30	13	80		1-gallon	123	Even distribution
Groundcover	Dull Oregon-grape	<i>Mahonia nervosa</i>	42	21	80		1-gallon	143	Even distribution
Groundcover	Kinnikinnick	<i>Arctostaphylos uva-ursi</i>		20			1-gallon	20	South half of area
Aquatic	Common Rush	<i>Juncus effusus</i>				80	1-gallon	80	Pond bench
Aquatic	Hardhack	<i>Spirea douglasii</i>				80	1-gallon	80	Lower pond bank
Aquatic	Slough Sedge	<i>Carex obnupta</i>				80	1-gallon	80	Pond bench
<b>Total Area (m2)</b>			<b>187</b>	<b>137</b>	<b>480</b>	<b>60</b>		<b>864</b>	
<b>Total # of Plants</b>			<b>416</b>	<b>281</b>	<b>1029</b>	<b>240</b>		<b>1966</b>	

\*Treatment Areas:

1. Northern Greenspace within Lots 9 and 10 (suitable for trees, shrubs, and groundcover)
2. Southern Greenspace within Lots 9 and 10 (suitable for only shrubs and groundcover)
3. Parkland Pond Riparian Area (suitable for trees, shrubs, and groundcover)
4. Aquatic Area of Pond Perimeter (suitable for only aquatic plants)

## Cost Estimate

Table 1. Approximate cost of plants (based on Streamside Native Plant wholesale pricing).

Item	Approximate Cost Estimate
Plants (1-gallon)	\$4,620
Plants (2-gallon)	\$15,036
Plants (5-gallon)	\$1,325
Total Cost	\$20,981



**Table 2. Approximate total cost of planting plan (installation and irrigation estimates provided by owner through discussions with the City).**

<b>Item</b>	<b>Approximate Cost Estimate</b>
Plants	\$20,981
Installation	\$20,981
Irrigation	\$5,000
Total Cost	\$46,962

Please let us know if you have any questions or comments about this planting plan.

Yours truly,

**EDI Environmental Dynamics Inc.**

Signed and sealed original on file

Adam Compton, R.P.Bio.  
Senior Biologist/Project Manager