OLD VICTORIA ROAD MINI-STORAGE

1044 & 1048 Old Victoria Road, Nanaimo, BC

LANDSCAPE ARCHITECTURAL DRAWINGS

ISSUED FOR DEVELOPMENT PERMIT - OCTOBER 3, 2024

LANDSCAPE DRAWING SCHEDULE

L0.00 Cover Page

L1.01 Landscape Plan

L1.02 Landscape Sections

L1.03 Landscape Details

- 1. Bicycle Rack
- 2. Chain Link Fencing
- L2.01 Planting Plan North
- L2.02 Planting Plan Centre
- L2.03 Planting Plan South
- L2.04 Planting Notes & Plant List
- L3.01 Tree Management Plan
- L3.02 Tree Management Plan

LANDSCAPE DESIGN RATIONALE

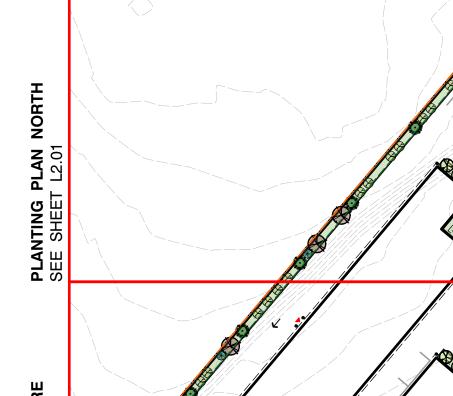
The landscape at 1044 / 1048 Old Victoria Road is currently a cleared, compacted site that has been impacted by a legacy of historic industrial uses. While some significant fir trees are located at the northern corner of the site, the existing vegetation is predomninantly invasive post-disturbance pioneer species including Himalayan Blackberry and Scotch Broom.

The proposed mini-storage facility is an appropriate use of a brownfield site. To situate this use within the local landscape, a landscape strategy designed to reintroduce lush layers of indigenous understory species, complemented with suitable ornamental companion plants, and establish a treed perimeter to the site will moderate the presence of the facility for neighbours and passers-by on the Highway.

A sanitary service right-of-way precludes planting trees directly along the Highway frontage. To compensate for this, planters are located on the north facades of each proposed storage building. Where possible, existing vegetation along the Highway will be retained to further screen the development.

A raingarden offers a nature based solution that also mitigates the otherwise impervious nature of the site, adding life and energy to the space, while a comfortable seating area provides a refuge for employees.

This landscape stratgy is intended to respond to the Chase River Neighbourhood Plan, which recommends a high standard of landscaping around industrial parcels to provide a healthy green buffer for visual screening.



KEY PLAN

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OLD VICTORIA ROAD STORAGE

1044 & 1048 OLD VICTORIA ROAD
NANAIMO. BC

COVER PAGE

PROJECT ID 23005
DB CM CB KS

SCALE NTS
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L0.00





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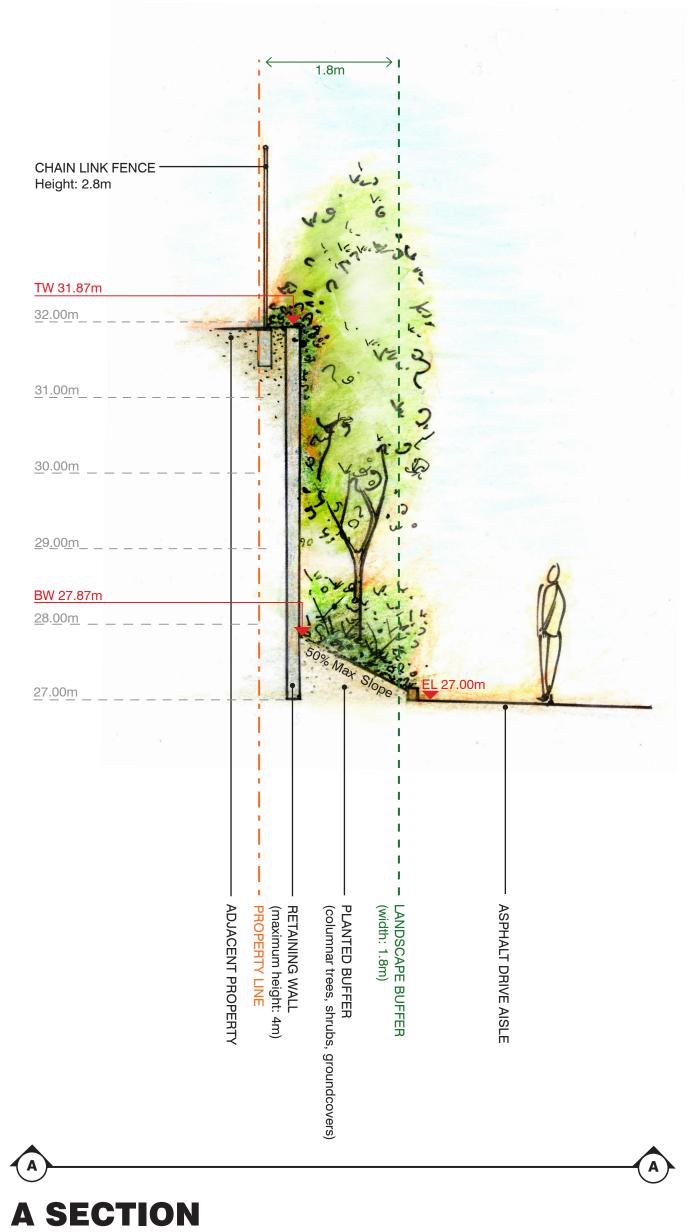
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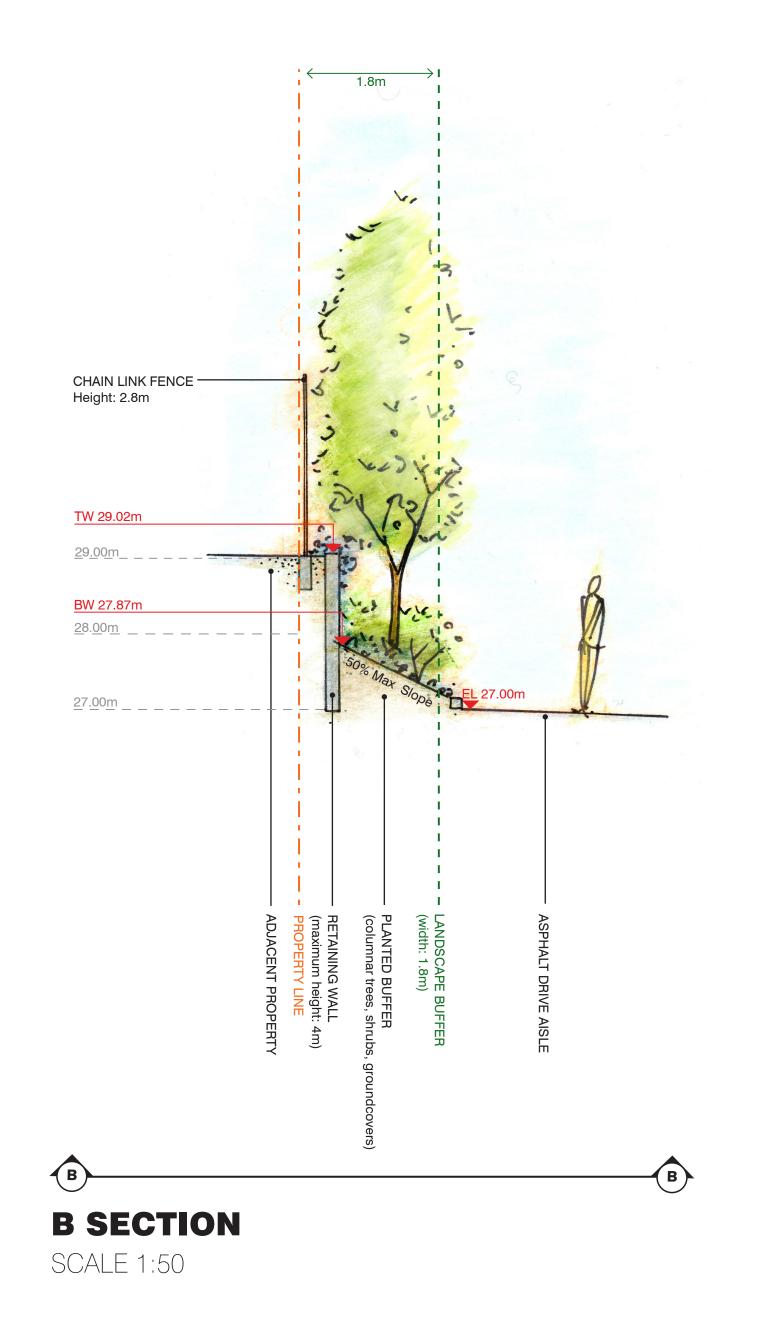
1044 & 1048 OLD VICTORIA ROAD
NANAIMO, BC

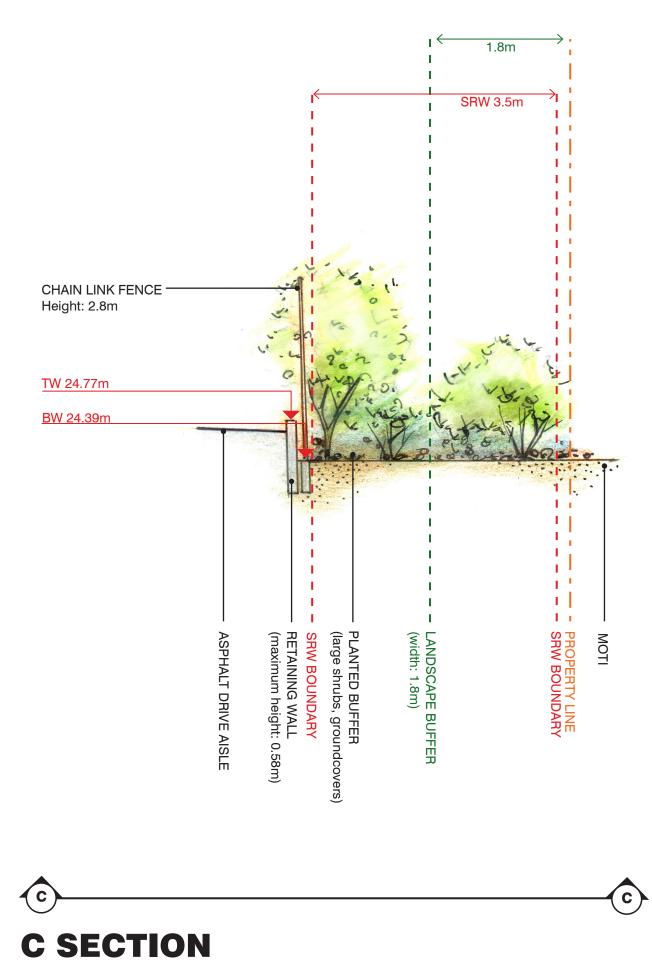
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DB CM CB

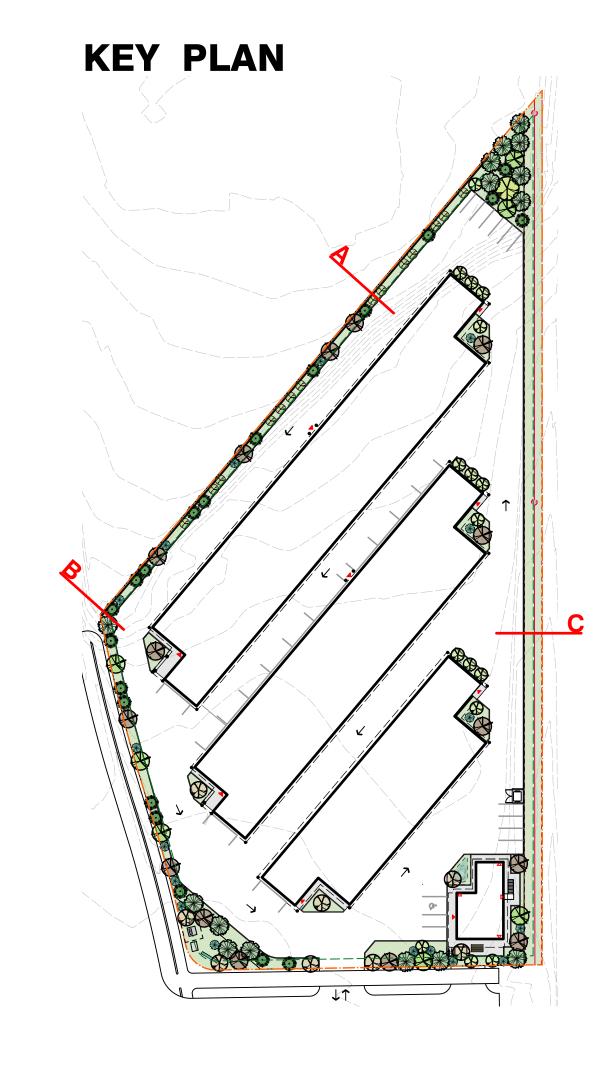
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LANDSCAPE PLAN
L1.01









SCALE 1:50

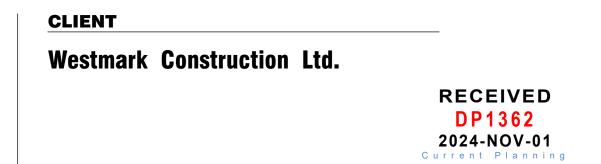
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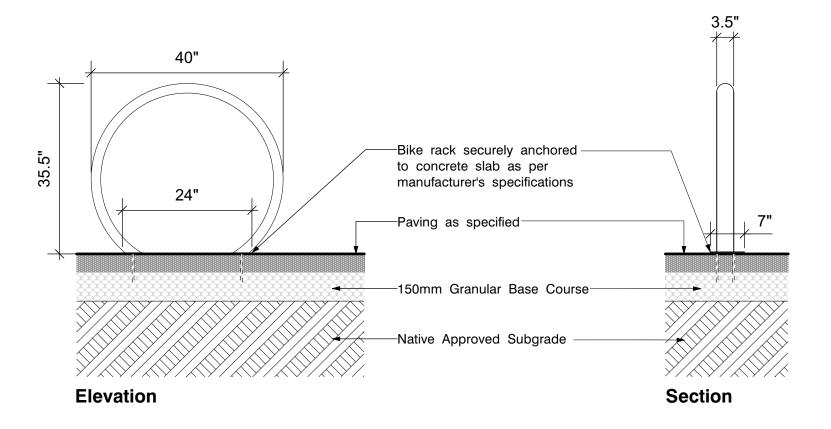
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PROJECT OLD VICTORIA ROAD STORAGE 1044 & 1048 OLD VICTORIA ROAD NANAIMO, BC

PROJECT ID 23005 CB KS **SCALE** 1:150 DATE 2023-09-26

L1.02 LANDSCAPE SECTIONS

Loop 2 Space Bike Rack LBRP-1-SS (Stainless) (or eq.) Quantity: 2 Wishbone Site Furnishings Specifications: 210-27090 Gloucester Way Surface Mount Langley, BC (INST-1 Stainless steel mounting kit to be included) 1-866-626-0476 604-626-0476 Capacity Height Width up to 2 35.5" (902mm) www.wishboneltd.com 40" (1016mm) Weight Finish 16 LBS (7.25kg)



Bike Rack L1.03 Scale: NTS

Stainless Steel

Elevation / Section

Contractor to install chain link fence as per industry standards and or manufacturer's specifications.

Footings to be sized as per manufacturer's specifications.

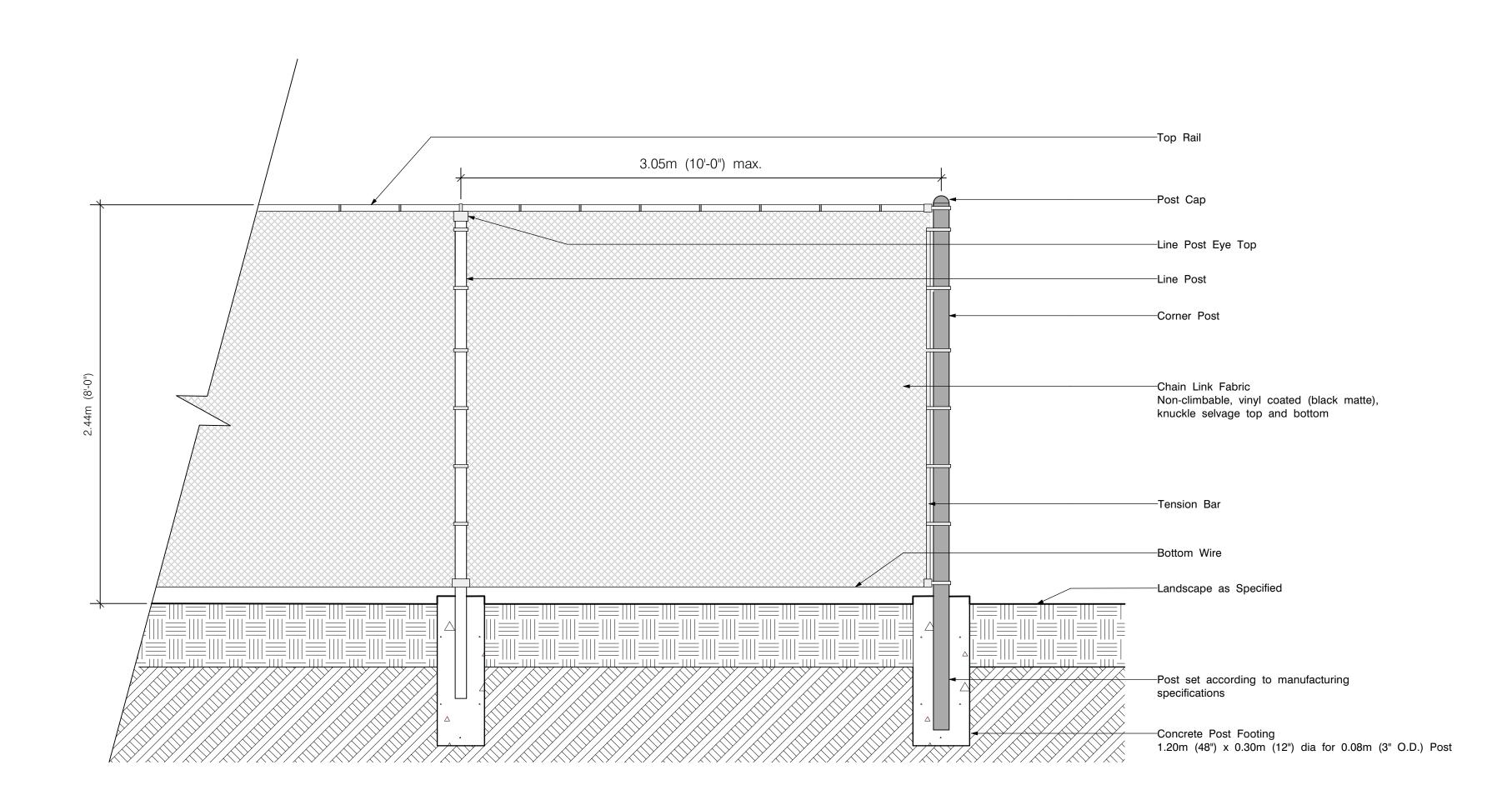
All steel is galvanized.

Mesh Fabric: Non-climbable, galvamized steel mesh

Mesh Coating: Black matte vinyl

Mesh Finish: Knuckle sevage, top and bottom Powder coated galvanized steel

Post Colour: Matte Black Fence Height: 2.4m (8') Fence Length: 425m



Chain Link Fence

L1.03 Scale: 1:20

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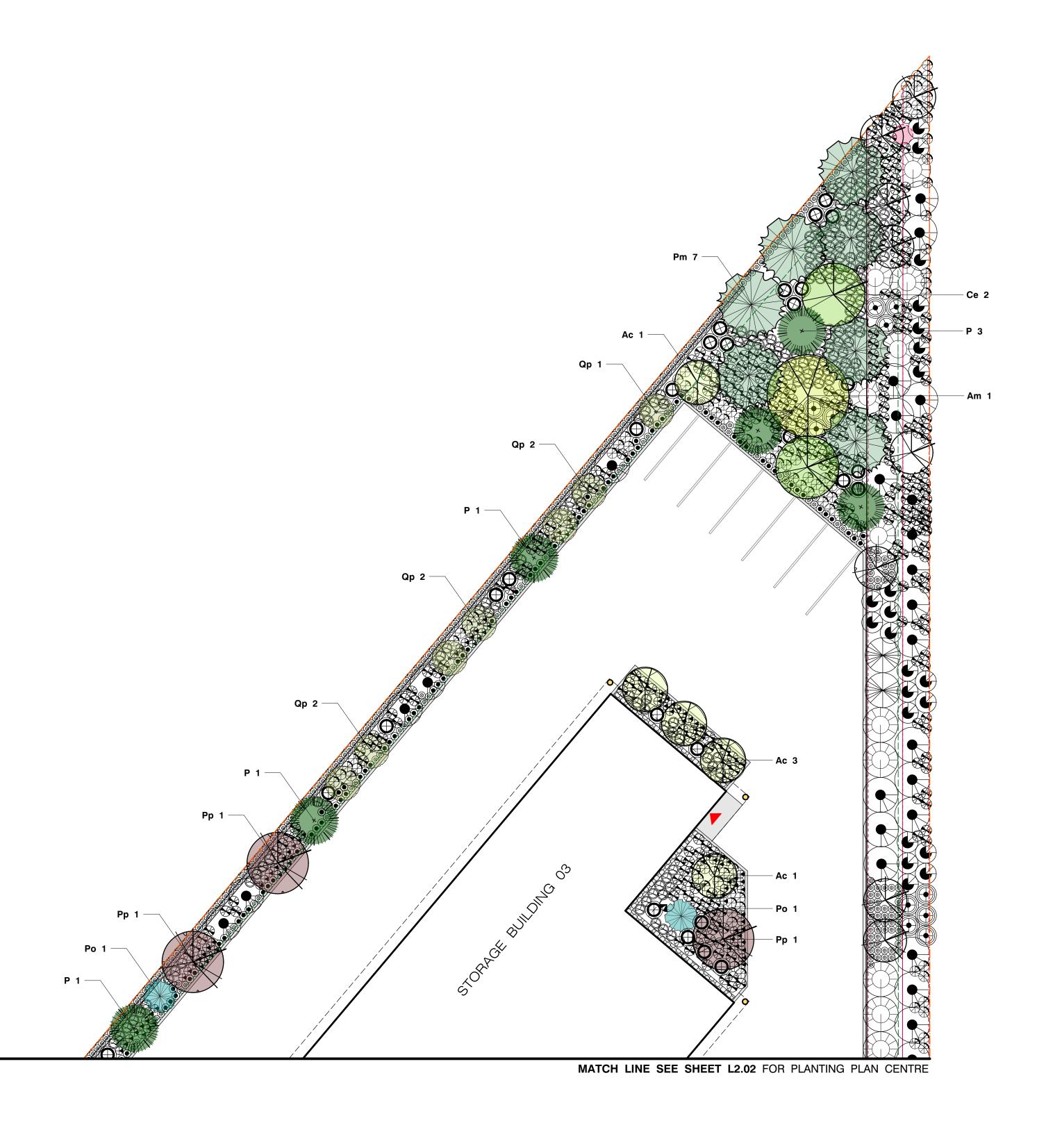
PROJECT OLD VICTORIA ROAD STORAGE 1044 & 1048 OLD VICTORIA ROAD

NANAIMO, BC LANDSCAPE DETAILS

PROJECT ID 23005 CB KS **SCALE** SEE DETAIL DATE 2023-09-26

L1.03

Section



KEY PLAN



Refer to Sheet L2.02 for Planting Plan Centre

Refer to Sheet L2.03 for Planting Plan South

Refer to Sheet L2.04 for Planting Plan

Notes + Plant List

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PLANTING PLAN NORTH



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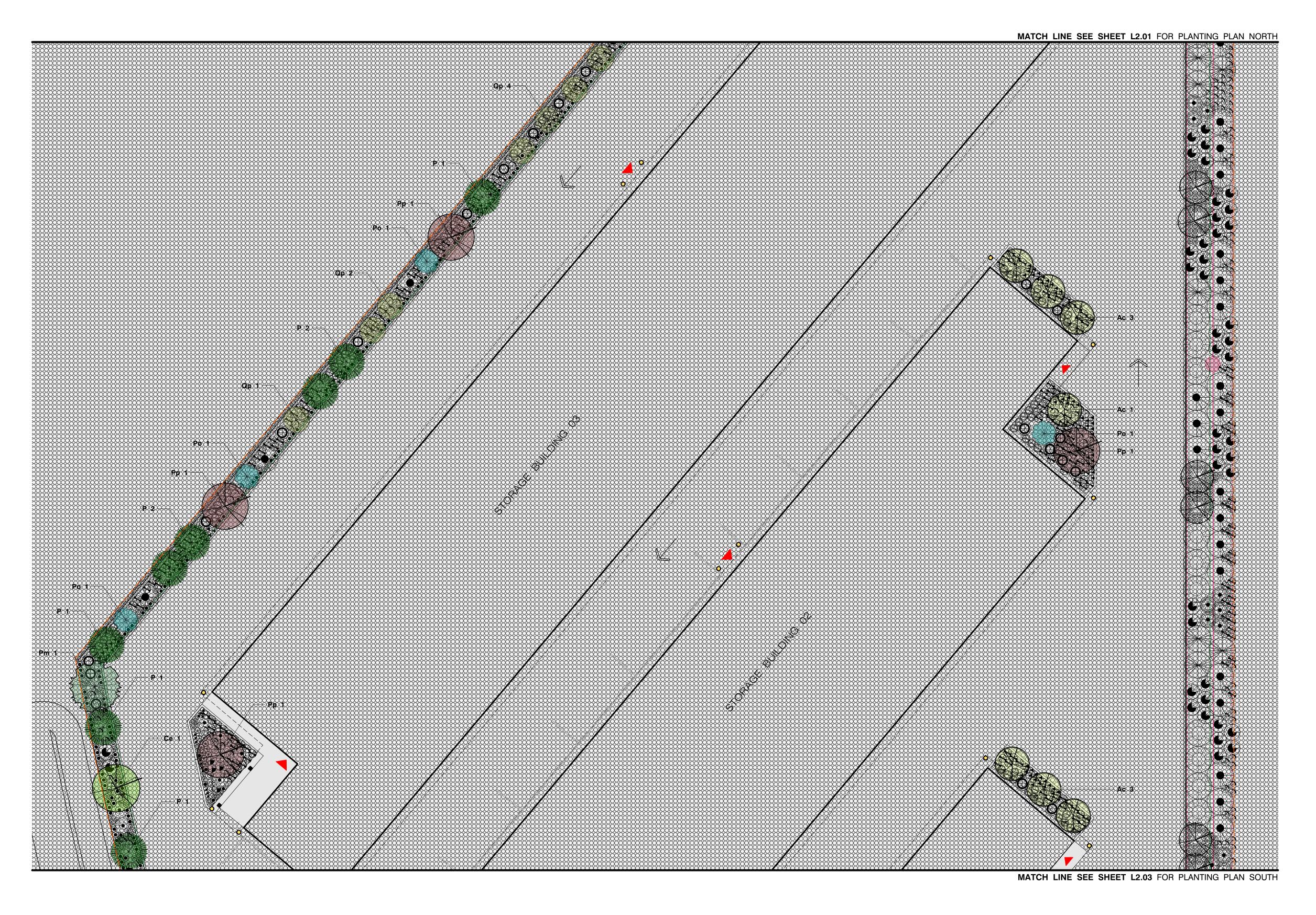
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PROJECT ID 23005

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PLANTING PLAN NORTH **L2.01**



PLANTING PLAN CENTRE

SCALE 1:150



KEY PLAN



Refer to Sheet L2.01 for Planting Plan North

Refer to Sheet L2.03 for Planting Plan South

Refer to Sheet L2.04 for Planting Plan

Notes + Plant List

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NANAIMO, BC

PLANTING PLAN CENTRE

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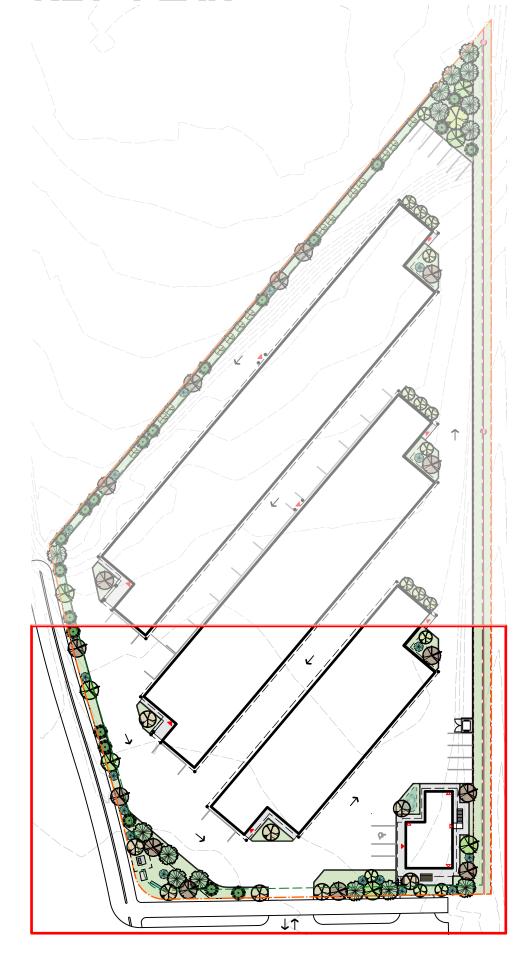
L2.02



PLANTING PLAN SOUTH

SCALE 1:150

KEY PLAN



Refer to Sheet L2.01 for Planting Plan North

Refer to Sheet L2.02 for Planting Plan Centre

Refer to Sheet L2.04 for Planting Plan

Notes + Plant List

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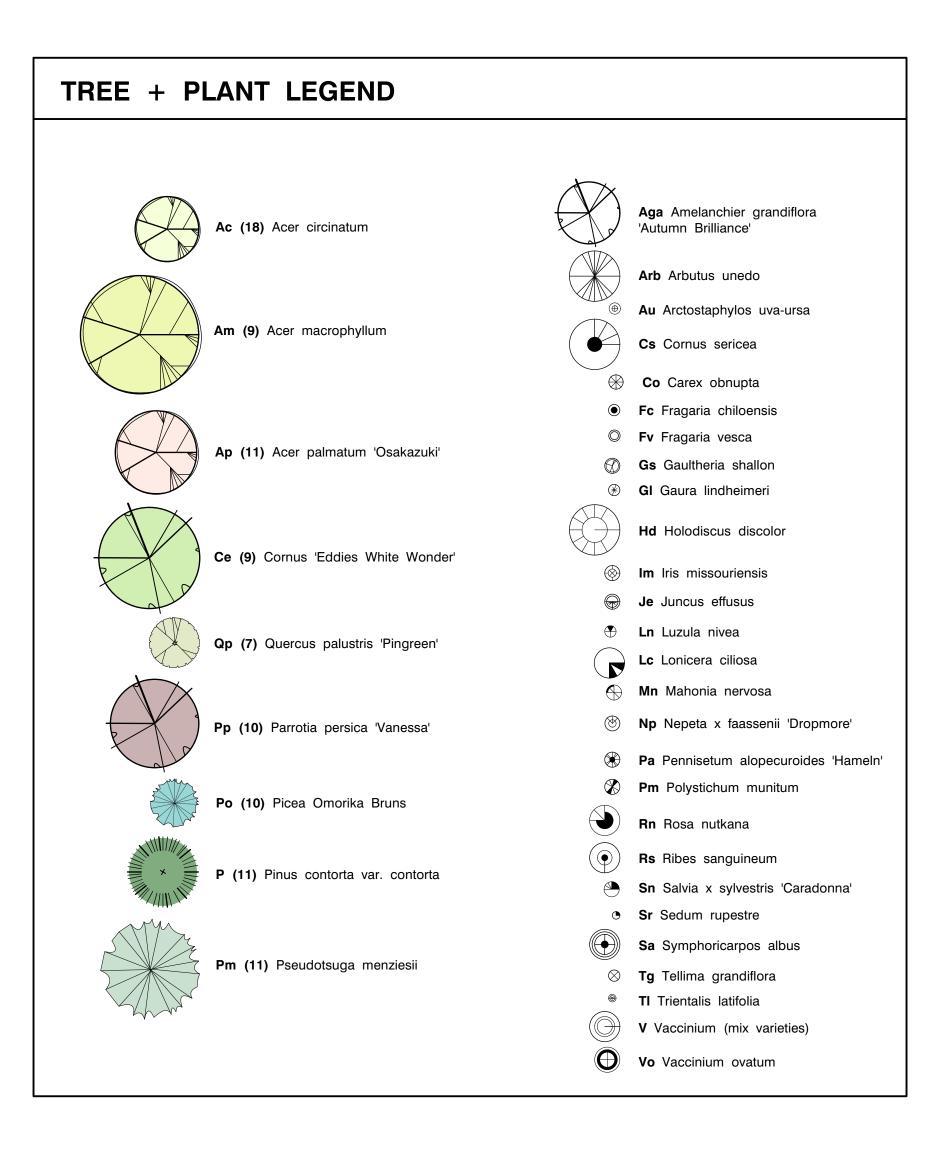
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1044 & 1048 OLD VICTORIA ROAD NANAIMO, BC

PLANTING PLAN SOUTH

PROJECT ID 23005 **SCALE** 1:150 DATE 2023-09-26

L2.03



Key	Qty	Botanical Name	Common Name	Pot Size	Spacing
Conif	erous T	rees			
Po	17	Picea Omorika Bruns	Serbian Spruce	1.5m ht	
P Pm	23 13	Pinus contorta var.contorta Pseudotsuga menziesii	Shore Pine Douglas Fir	1.5m ht #15	
Decid	uous T	rees			
Ac	16	Acer circinatum	Vine Maple	#7	Multistem
Α	1	Acer macrophyllum	Big Leaf Maple	#20	Waltiotom
Ap	8	Acer palmatum 'Osakazuki'	Japanese Maple	1.5m ht	
Ce	7	Cornus 'Eddies White Wonder'	White Flowering Dogwood	#20	1.8m branching h
Pp Qp	14 14	Parrotia persica 'Vanessa' Quercus palustris 'Pingreen'	Persian Ironwood Columnar Pin Oak	5cm cal #20	1.8m branching h
Decid Aga	luous S 22	hrubs Amelanchier grandiflora 'Autumn	0	#7	Multistem
ყ⊶		Brilliance'	Service Berry		
Cs	63	Cornus sericea	Red Twig Dogwood	#1	2m o.c.
Hd	33	Holodiscus discolor	Ocean Spray	#3	2m o.c.
Rs Rn	45 105	Ribes sanguineum Rosa Nutkana	Red Flowering Currant Nootka Rose	#1 #2	1.2m o.c. 1.2m o.c.
Sa	29	Symphoricarpos albus	Snowberry	#∠ #1	1.2m o.c. 1.2m o.c.
V	0	Vaccinium (mix varieties)	Blueberry	#1	1.2m o.c.
Evero	reen S	hrubs			
Arb	15	Arbutus unedo 'Compacta'	Compact Strawberry Tree	#7	2m o.c.
Vo	74	Vaccinium ovatum	Evergreen Huckleberry	# <i>1</i> #1	1m o.c.
Fc Fv Gs Mn Pm	598 44 327 444 752	Fragaria chiloensis Fragaria vesca Gaultheria shallon Mahonia nervosa Polystichum munitum	Coastal Strawberry Woodland Strawberry Salal Dull Oregon Grape Sword fern	10cm 10cm #1 #1 #1	45cm o.c. 45cm o.c. 60cm o.c. 60cm o.c. 60cm o.c.
Perer	nials &	Grasses			
GI	164	Gaura lindheimeri 'Bantam White	Bee blossom	#1	45cm o.c.
Ln	229	Improved' Luzula nivea	Snowy Woodrush	#1	45cm o.c.
Np	61	Nepeta x faassenii 'Dropmore'	Catmint	#1	60cm o.c.
Pa	13	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain grass	#1	60cm o.c
Sn C=	32	Salvia x sylvestris 'Caradonna'	Purple Wood Sage	#1	60cm o.c.
Sr Tg	51 0	Sedum rupestre Tellima grandiflora	Sedum Angelina Fringecup	10cm 10cm	30cm o.c. 45cm o.c.
TI	0	Trientalis latifolia	Western Starflower	10cm	30cm o.c.
Wetla	nd Plar	nts for Raingarden			
Co	6	Carex obnupta	Slough Sedge	10cm	60cm o.c.
lm	6	Iris missouriensis	Western Blue Flag Iris	10 cm	60cm o.c.
Je	5	Juncus effusus	Common Rush	10 cm	60cm o.c.
Vine					
Lc	19	Lonicera ciliosa	Western Trumpet Honeysuckle	#1	1.2m o.c.
Seeds	;				
Boule Seedir		Premium Pacific Seeds Drought Smart Mix	or Equivalent		
		the Landscape Architect for approval of	any plant substitutions:		

PLANTING NOTES

- 1. All landscape construction to be in accordance with the City of Nanaimo Engineering Standards and Specifications.
- 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.
- 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.
- Plant material quality, transport and handling shall comply with the CNLA standards for Nursery Stock.
- 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 Architect.
- 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.
- No plants requiring pruning of 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 North

Refer to Sheet L2.02 for Planting Plan Centre

Refer to Sheet L2.03 for Planting Plan South

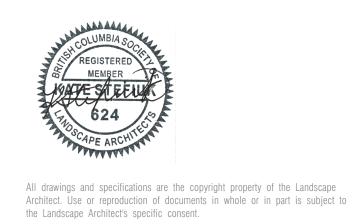
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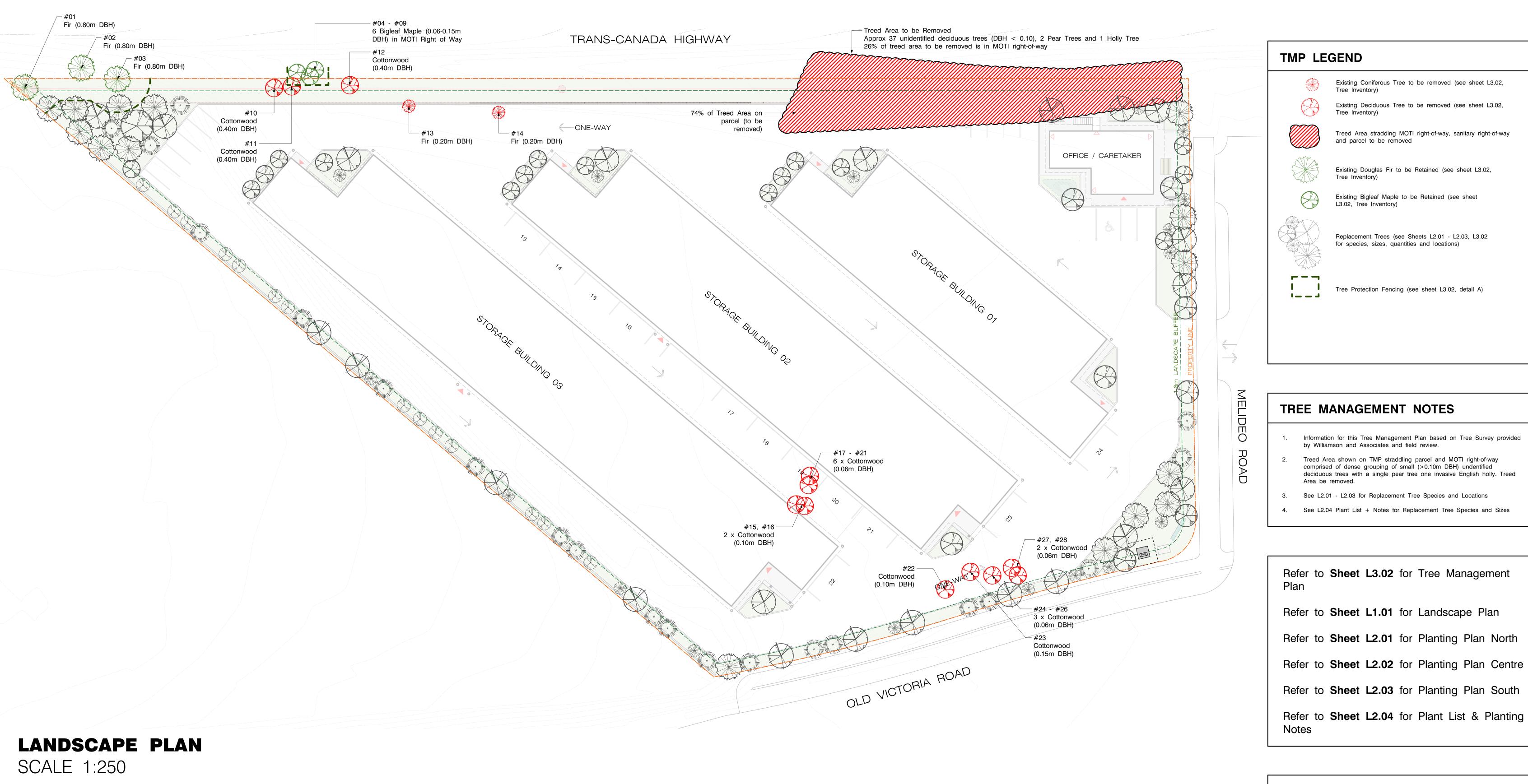
PLANT NOTES & PLANT LIST

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TREE MANAGEMENT PLAN

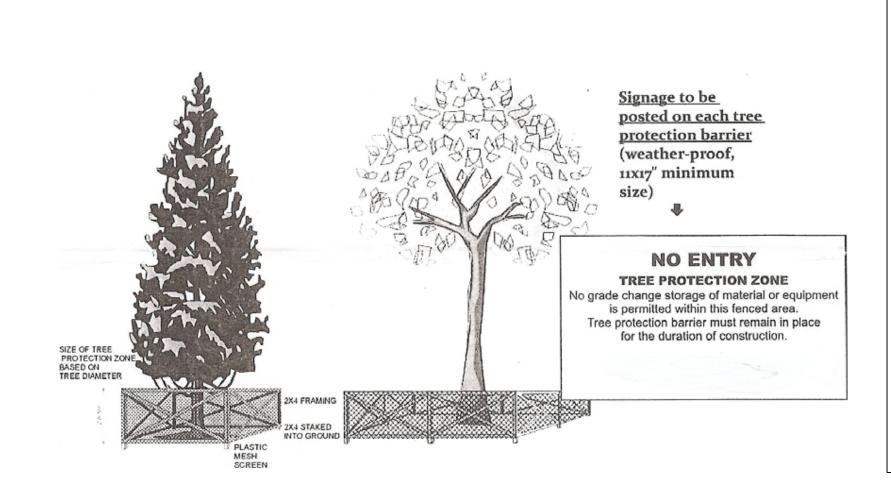
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L3.01





Prior to construction taking place on site a tree protection fence shall be installed on site according to the layout as indicated on the **Tree Management Plan**, the fence is to follow the existing grade.

Prior to the installation of this fence the layout should be reviewed by the City of Nanaimo Urban Forestry Coordinator.

The Project Manager will instruct all trades on the importance of following these tree protection measures. All trades will be required to sign off on their concurrence of this plan.

The fence is to remain in place for the duration of construction.

Notes: Height of fence to be 1.2m (4').

2"x 4" to be used for vertical posts, top and bottom rails and cross bracing (in an"X") round un-treated vertical posts may be used with a minimum diameter

Spacing between vertical posts to be no further apart than 3.7m (12') on centre.

Structure must be sturdy with vertical posts driven firmly into ground.

Continuous plastic mesh screening (e.g. orange snow

Signs entitled "Tree Protection Area" to be posted on fence every 15m.

Location of fence as shown on plan.

Elevation

TREE INVENTORY

PROPERTY AREA: 1.01 ha
REPLACEMENT TREES REQUIRED: 101
REPLACEMENT TREES PROPOSED: 113

EXISTING TREES

TREES TO BE RETAINED

(EY	QTY	BOTANICAL NAME	COMMON NAME	DBH	NOTES	
#01	(1)	Psuedotsuga menziesii	Douglas Fir	0.80	Landmark	
#02	(1)	Psuedotsuga menziesii	Douglas Fir	0.80	Landmark	
#03	(1)	Psuedotsuga menziesii	Douglas Fir	0.80	Landmark	
#04 - #09	(6)	Acer macrophyllum	Bigleaf Maple	0.06 - 0.15		

TOTAL NUMBER OF TREES TO BE RETAINED: 9

TREES	TO BE R	REMOVED
KFV	OTV	BOT∆NI(

KEY	QTY	BOTANICAL NAME	COMMON NAME	DBH	NOTES
#10 - #12	(3)	Populus trichocarpa	Black cottonwood	0.40	
#13 - #14	(2)	Psuedotsuga menziesii	Douglas Fir	0.20	
#15 - #22	(8)	Populus trichocarpa	Black cottonwood	0.10	
#23	(1)	Populus trichocarpa	Black cottonwood	0.15	
#24 - #28	(5)	Populus trichocarpa	Black cottonwood	0.06	No replacments required
Treed Area	(37)	Approximately 37 unidentifed de	eciduous trees, 1 pear, 1 holly	0.10	26% of Treed Area on MOTI right of way, 74% on parcel

TOTAL NUMBER OF TREES TO BE REMOVED: 48

REPLACEMENT TREES

DECIDUOUS TREES

KEY	QTY	BOTANICAL NAME	COMMON NAME	MIN HT. (m)	NOTES
Ac	(16)	Acer circinatum	Vine Maple	2.0m ht.	#7, Multistem
Am	(1)	Acer macrophyllum	Bigleaf Maple	2.0m ht	#20
Ар	(8)	Acer palmatum	Japanese Maple	1.5m ht	#7
Ce	(7)	Cornus eddies white wonder	Eddies White Wonder	3.0m ht.	#20
Рр	(14)	Parrotia persica	Persian Ironwood	1.5m ht	5cm cal.
Qp	(14)	Quercus palustris Pringreen	Columnar Pin Oak	2.0m ht.	#20

TOTAL NUMBER OF DECIDUOUS REPLACEMENT TREES: 60

CONIFEROUS TREES

COMI ENOUS TREES						
KEY	QTY	BOTANICAL NAME	COMMON NAME	MIN HT. (m)	NOTES	
Ро	(17)	Picea omorika bruns	Serbian Spruce	2.0m ht.	#15	
Р	(23)	Pinus contorta var.contorta	Shore Pine	1.5m ht	#15	
Pm	(13)	Pseudotsuga menziesii	Douglas Fir	2.0m ht.	#15	

TOTAL NUMBER OF CONIFEROUS REPLACEMENT TREES: 53

TOTAL NUMBER OF REPLACEMENT TREES: 113

NOTES:

CITY OF NANAIMO "MANAGEMENT AND PROTECTION OF TREES BYLAW 2013 NO. 7126" REQUIRES 101 REPLACEMENT TREES BASED ON THE REQUIREMENT TO PROVIDE 100 REPLACEMENT TREES PER HECTARE. TO ESTABLISH A BIODIVERSE, CLIMATE RESILIENT AND VISUALLY INTERESTING LANDSCAPE THAT EFFECTIVELY SCREENS THE SITE, 113 REPLACEMENT TREES ARE PROPOSED.

Refer to **Sheet L3.01** for Tree Management Plan

Refer to Sheet L1.01 for Landscape Plan

Refer to Sheet L2.01 for Planting Plan North

Refer to Sheet L2.02 for Planting Plan Centre

Refer to Sheet L2.03 for Planting Plan South

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

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L3.02 Scale: NTS

Tree Protection Fence



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TREE MANAGEMENT PLAN

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L3.02