



THIS DRAWING IS NOT FINAL AND SHALL NOT BE USED FOR CONSTRUCTION WORK UNTIL IT HAS BEEN STAMPED AND SIGNED BY THE LANDSCAPE ARCHITECT. THE COPYRIGHT TO ALL DESIGN AND DRAWINGS ARE THE PROPERTY OF MCDONALD GRAY CONSULTING ENGINEERS INC. FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY MCDONALD GRAY CONSULTING ENGINEERS.

Island Diesel Way Industrial Complex
341234 BC Ltd
1950 & 1960 Island Diesel Way, Nanaimo, BC

IRRIGATION EQUIPMENT LEGEND

SYMBOL	MANUFACTURER	MODEL	DESCRIPTION
	HUNTER	TBD	AUTOMATIC IRRIGATION CONTROLLER IN BUILDING A ELECTRICAL ROOM
	HUNTER	W55-5EN	WIRELESS SOLAR-SYNC SENSOR ON SOUTH-FACING EAVE
	BY CIVIL	BY MECHANICAL	38mm (1.5") DOUBLE CHECK BACKFLOW PREVENTER AND WATER SUPPLY IN ELECTRICAL ROOM.
		SCHEDULE 40	38mm (1.5") PVC MAINLINE
		SCHEDULE 40	PVC SLEEVES UNDER ALL PAVING AND THROUGH WALLS MIN. TYP. MAINLINE: 4 CONTROL WIRE: 150mm (6") LATERALS: 100mm (4") BURIAL DEPTH TO MATCH DEPTH OF CARRIED PIPE.

IRRIGATION NOTES

1. THE IRRIGATION SYSTEM SHALL BE DESIGN-BUILD BY THE OWNER.
2. IRRIGATION SYSTEM INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS SET OUT IN THE MOST CURRENT VERSION OF THE CANADIAN NURSERY LANDSCAPE ASSOCIATION (CNLA) / CANADIAN SOCIETY OF LANDSCAPE ARCHITECTS (CSLA) CANADIAN LANDSCAPE STANDARD.
3. ALL PROPOSED ON-SITE PLANTING AND LAWN AREAS SHALL BE WATERED VIA AN UNDERGROUND, AUTOMATIC IRRIGATION SYSTEM UTILIZING A SMART (ET) WEATHER-BASED IRRIGATION CONTROLLER.
4. IRRIGATION EMISSION DEVICES SHALL BE LOW VOLUME ROTARY NOZZLES OR MICRO DRIP EQUIPMENT.
5. THE CONTRACTOR SHALL ADJUST THE PLACEMENT AND RADIUS OF SPRINKLERS AS REQUIRED BY FIELD CONDITIONS TO ACHIEVE FULL COVERAGE OF ALL PLANTED AREAS AND TO MINIMIZE OVER-SPRAY ONTO ADJACENT HARD SURFACES, FENCES AND PROPERTY LINES.
6. ALL PIPING UNDER PAVING SHALL BE INSTALLED IN SEPARATE SCHEDULE 40 SLEEVES AT A MINIMUM DEPTH OF 600mm WITH 150mm OF SAND BACKFILL ABOVE AND BELOW PIPE. ALL WIRING UNDER PAVING SHALL BE INSTALLED IN SEPARATE SCHEDULE 40 PVC CONDUIT. ALL SLEEVES AND CONDUIT SHALL BE INSTALLED PRIOR TO PAVEMENT INSTALLATION AND SHALL EXTEND 150mm BEYOND EDGE OF PAVEMENT OR CURB. BACKFILL FOR SLEEVES SHALL BE COMPACTED TO THE SPECIFIED DENSITY FOR THE SUBGRADE.
7. OPERATE IRRIGATION CONTROLLER WITHIN THE CITY OF NANAIMO WATER RESTRICTION SCHEDULE.

SURF DRIE BACK

Wishbone

PRODUCT SPECIFICATIONS

Various models and specifications for different sizes and materials.

REVISIONS

1.00 - Initial Issue

1.01 - Revised

1.02 - Revised

1.03 - Revised

1.04 - Revised

1.05 - Revised

1.06 - Revised

1.07 - Revised

1.08 - Revised

1.09 - Revised

1.10 - Revised

1.11 - Revised

1.12 - Revised

1.13 - Revised

1.14 - Revised

1.15 - Revised

1.16 - Revised

1.17 - Revised

1.18 - Revised

1.19 - Revised

1.20 - Revised

1.21 - Revised

1.22 - Revised

1.23 - Revised

1.24 - Revised

1.25 - Revised

1.26 - Revised

1.27 - Revised

1.28 - Revised

1.29 - Revised

1.30 - Revised

1.31 - Revised

1.32 - Revised

1.33 - Revised

1.34 - Revised

1.35 - Revised

1.36 - Revised

1.37 - Revised

1.38 - Revised

1.39 - Revised

1.40 - Revised

1.41 - Revised

1.42 - Revised

1.43 - Revised

1.44 - Revised

1.45 - Revised

1.46 - Revised

1.47 - Revised

1.48 - Revised

1.49 - Revised

1.50 - Revised

REVISIONS

1.00 - Initial Issue

1.01 - Revised

1.02 - Revised

1.03 - Revised

1.04 - Revised

1.05 - Revised

1.06 - Revised

1.07 - Revised

1.08 - Revised

1.09 - Revised

1.10 - Revised

1.11 - Revised

1.12 - Revised

1.13 - Revised

1.14 - Revised

1.15 - Revised

1.16 - Revised

1.17 - Revised

1.18 - Revised

1.19 - Revised

1.20 - Revised

1.21 - Revised

1.22 - Revised

1.23 - Revised

1.24 - Revised

1.25 - Revised

1.26 - Revised

1.27 - Revised

1.28 - Revised

1.29 - Revised

1.30 - Revised

1.31 - Revised

1.32 - Revised

1.33 - Revised

1.34 - Revised

1.35 - Revised

1.36 - Revised

1.37 - Revised

1.38 - Revised

1.39 - Revised

1.40 - Revised

1.41 - Revised

1.42 - Revised

1.43 - Revised

1.44 - Revised

1.45 - Revised

1.46 - Revised

1.47 - Revised

1.48 - Revised

1.49 - Revised

1.50 - Revised

PLANT LEGEND

SYMBOL	BOTANICAL / COMMON NAME	SIZE	SPACING	QTY.	NOTES
TREES					
	ACER RUBRUM 'BOWHALL' / BOWHALL RED MAPLE	6cm CAL.	4.5m O.C.	16	DROUGHT TOLERANT
	FAGUS SYLVATICA / EUROPEAN BEECH	6cm CAL.	SEE PLAN	5	DROUGHT TOLERANT
	PEULODSUGA MENZIESII / DOUGLAS FIR	2.5m	4.5m O.C.	6	NATIVE SPECIES, CONIFEROUS
	PYRUS CALLERYANA 'REDSPIRE' / REDSPIRE FLOWERING PEAR	6cm CAL.	6.0m O.C.	7	DROUGHT TOLERANT
	QUERCUS PALUSTRIS / PIN OAK	6cm CAL.	SEE PLAN	1	DROUGHT TOLERANT
	SORBUS ALICUFABA / CARDINAL ROYAL / CARDINAL ROYAL MOUNTAIN ASH	6cm CAL.	6.0m O.C.	6	DROUGHT TOLERANT
SHRUBS					
	GALTHEA SHALLOW / SHAL	#2 POT	1.0m O.C.	89	NATIVE SPECIES
	FINUS MUGO VAR. PUMILIO / DWARF MOUNTAIN FINE	#2 POT	1.0m O.C.	76	DROUGHT TOLERANT
	POLYSTICHUM MANITUM / SWORD FERN	#2 POT	1.0m O.C.	76	NATIVE SPECIES
	POTENTILLA FRUTICOSA 'PINK BEAUTY' & 'YELLOW GEM' / PINK & YELLOW SHRUBBY CINQUEFOIL	#2 POT	0.9m O.C.	40	NATIVE CULTIVARS
	RIBES SANGUINUM / RED FLOWERING CURRANT	#2 POT	1.0m O.C.	94	NATIVE SPECIES
	ROSA NUTKANIA / NOOTKA ROSE	#2 POT	1.0m O.C.	60	NATIVE SPECIES
	VACCINIUM OVATUM / EVERGREEN HUCKLEBERRY	#2 POT	1.0m O.C.	76	NATIVE SPECIES
GROUNDCOVER, VINES & PERENNIALS					
	ARCTOSTAPHYLOS UVA-URSI / KINKRINDICK	#1 POT	0.45m O.C.	300	NATIVE SPECIES
	HELIOTRICHON SEMPERVIRENS / BLUE OAT GRASS	#2 POT	1.0m O.C.	14	DROUGHT TOLERANT

PLANTING NOTES

1. ALL LANDSCAPE INSTALLATION AND MAINTENANCE SHALL MEET OR EXCEED THE MOST RECENT STANDARDS SET OUT BY THE CANADIAN NURSERY LANDSCAPE ASSOCIATION (CNLA) / CANADIAN SOCIETY OF LANDSCAPE ARCHITECTS (CSLA) CANADIAN LANDSCAPE STANDARD.
2. GROWING MEDIUM SHALL MEET OR EXCEED THE PROPERTIES OUTLINED IN THE CANADIAN LANDSCAPE STANDARD PER SECTION 6 GROWING MEDIUM, TABLE T-G.3.5.2. PROPERTIES FOR GROWING MEDIA: LEVEL 2 'GROOMED' - 3P; GROWING MEDIUM DEPTHS: SHRUBS - 450mm; TREES - 600mm BELOW AND AROUND ROOTBALL
3. MULCH SHALL BE COMPOST PER SECTION 1.0 MULCHING OF THE CANADIAN LANDSCAPE STANDARD. MULCH DEPTH SHALL BE 75mm MINIMUM OVER ALL TREE, SHRUBS AND GROUNDCOVER PLANTING AREAS.
4. PLANT MATERIAL QUALITY, TRANSPORT AND HANDLING SHALL COMPLY WITH CNLA STANDARDS FOR NURSERY STOCK.
5. 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 SHALL BE HIGH EFFICIENCY LOW VOLUME ROTARY NOZZLES OR DRIP IRRIGATION EQUIPMENT.
6. PLANT QUANTITIES ARE FOR INFORMATION ONLY. IN CASE OF ANY DISCREPANCY THE PLAN SHALL GOVERN.
7. ALL PLANT MATERIAL SHALL MATCH TYPE AND SPECIES AS INDICATED ON THE PLANTING LEGEND. CONTACT THE LANDSCAPE ARCHITECT FOR APPROVAL OF ANY SUBSTITUTIONS. NO SUBSTITUTIONS WILL BE ACCEPTED WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
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 OF MAJOR BRANCHES DUE TO DISEASE, DAMAGE OR POOR FORM WILL BE ACCEPTED.

LEGENDS & NOTES

Date: March 20, 2024

Drawn: CW

Checked: CW

Scale: N/A

Project Number: 23-0345

DRAWING NUMBER: L2 of 2

#	DATE	NOTES
0	02AUG2023	DP Pre-App Meeting
1	18OCT2023	DP Coordination
2	06NOV2023	Issued for DP
3	11JAN2024	DAP Meeting
4	12FEB2024	Reissued for DP
5	20MAR2024	Reissued for DP

RECEIVED
DP1326
2024-MAR-21
 Current Planning