



- LEGEND:**
- Existing Site Boundary
 - Surveyed Top of Bank (TOB), Schoolhouse South Creek
 - Existing Site Building
 - Proposed Buildings
 - Proposed location for permanent fencing along Riparian Protection & Enhancement Area (RPEA), 10 m from TOB. Per City of Port Moody specifications and requirements.
 - Proposed Riparian Transition Area (RTA), 5 m from RPEA
 - Proposed Riparian Management Zone (RMZ), Schoolhouse South Creek
 - Existing lamium (*Lamium galeobdolon*) to be manually removed = 167.1 m². See Notes.
 - Proposed Riparian Protection & Enhancement Area (RPEA), Planting Area = 373.9 m²
 - Proposed Riparian Transition Zone (RTA), Planting Area = 170.8 m²

PLANTING LIST

Amount	Botanical Name	Common Name	Spacing	Size
8	<i>Acer macrophyllum</i>	Bigleaf maple	5m	5 gallon
8	<i>Thuja plicata</i>	Western redcedar	5m	5 gallon
8	<i>Rhamnus purshiana</i>	Cascara	5m	5 gallon
9	<i>Salix lucida</i> ssp. <i>lasianдра</i>	Pacific willow	5m	5 gallon
9	<i>Pseudotsuga menziesii</i>	Douglas fir	5m	5 gallon
20	<i>Symphoricarpos albus</i>	Snowberry	2m	2 gallon
100	<i>Polygonum orientale</i>	Western swordfern	1m	1 gallon
Total Plants =	162	* List assumes 90% of area requires plants based on existing vegetation.		

Amount	Botanical Name	Common Name	Spacing	Size
10	<i>Rosa nutkana</i>	Nootka rose	2 m	2 gallon
10	<i>Rosa gymnocarpa</i>	Baldhip rose	2 m	2 gallon
10	<i>Philadelphus lewisii</i>	Mock orange	2 m	2 gallon
10	<i>Symphoricarpos albus</i>	Snowberry	2 m	2 gallon
20	<i>Aquilegia formosa</i>	Red columbine	0.5 m	1 gallon
Total Plants =	60	* List assumes 30% of area requires plants based on usable outdoor space.		

NOTES:

1. INITIAL INVASIVE SPECIES REMOVAL WORKS MUST BE COMPLETED UNDER THE DIRECT SUPERVISION OF THE ENVIRONMENTAL MONITOR (E.G. PHOENIX ENVIRONMENTAL) TO ENSURE PROTECTION OF EXISTING VEGETATION.
2. A BREEDING BIRD SURVEY IS TO BE CONDUCTED BY A QUALIFIED ENVIRONMENTAL PROFESSIONAL PRIOR TO ANY CLEARING OF VEGETATION WITHIN 30 M OF THE PLANTING AREA(S) BETWEEN MARCH 1 AND AUGUST 30.
3. ALL EXISTING TREES AND VEGETATION WITHIN THE PLANTING AREA(S) THAT WILL REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION ACTIVITIES WITH WOOD FRAMED BARRIERS LINED WITH HIGH VISIBILITY SNOW FENCE, EXTENDED TO THE DRIP-LINE OF THE TREE CANOPY. IT IS THE CONTRACTORS RESPONSIBILITY TO ACQUIRE THE NECESSARY PERMITTING AND CITY APPROVAL PRIOR TO CLEARING OR TREE-CUTTING.
4. ALL INVASIVE SPECIES (E.G. LAMIUM, HIMALAYAN BLACKBERRY, ENGLISH IVY) ARE TO BE MANUALLY/MECHANICALLY REMOVED FROM THE PLANTING AREAS WHERE PRESENT, AND DISPOSED OF OFF-SITE AT AN APPROVED DUMP SITE. EXISTING SOILS ARE TO REMAIN IN PLACE WHEREVER POSSIBLE. DISTURBED SOILS ARE TO BE IMMEDIATELY STABILIZED WITH STRAW FOLLOWING INVASIVE SPECIES REMOVAL. THE ADDITION OF A COASTAL RIPARIAN RECLAMATION SEED MIX IS TO BE HAND- BROADCAST FOLLOWING INITIAL REMOVALS OF INVASIVE SPECIES AND FOLLOWING INSTALLATION OF PLANTINGS, TO ASSIST IN EROSION CONTROL AND WEED SUPPRESSION. SEED MIX TO BE APPROVED IN ADVANCE BY PHOENIX ENVIRONMENTAL.
6. ALL WORKS ARE TO BE CONDUCTED IN ACCORDANCE WITH SEDIMENT CONTROL PROVISIONS OF DFO'S "LAND DEVELOPMENT GUIDELINES FOR THE PROTECTION OF AQUATIC HABITAT" AND COMPLY WITH THE CITY OF PORT MOODY'S STREAM AND DRAINAGE SYSTEM PROTECTION BYLAW NO. 2470.
7. ADDITION OF WEED-FREE TOPSOIL MAY BE REQUIRED TO AMEND SOIL CONDITIONS FOLLOWING INVASIVE REMOVAL/PRIOR TO PLANTING INSTALLATION. TOPSOIL MUST MEET THE STANDARDS OUTLINED IN THE BC LANDSCAPE STANDARD SEVENTH EDITION FOR PLANTING AREAS IN "LEVEL 5 BACKGROUND & NATURAL AREAS".
8. ALL PLANTING STOCK SHALL BE NURSERY SUPPLIED, DISEASE FREE AND IN GOOD HEALTH WITHOUT BROKEN TOPS, BARK DAMAGE, ETC. ANY PLANTING SUBSTITUTIONS ARE TO BE REVIEWED AND APPROVED IN ADVANCE BY PHOENIX ENVIRONMENTAL (604.689.3888)
9. ROOTS OF PLANT MATERIAL SHOULD BE PROTECTED, AT ALL TIMES, FROM FROST, WIND, SUN, AND EXTREMES IN TEMPERATURE. ALL PLANTS SHALL BE KEPT WELL WATERED. PLANT DELIVERY SHALL BE SUCH THAT IT MINIMIZES STORAGE OF PLANTS ON-SITE PRIOR TO PLANTING. ENSURE A MAXIMUM OF THIRTY-SIX (36) HOURS OF STORAGE OF PLANT MATERIALS ON-SITE. WHERE PLANTING IS POSTPONED, PLANT MATERIAL SHALL BE STORED AND MAINTAINED WITH PROTECTION AND IRRIGATION PROCEDURES THAT WILL ENSURE THE SUCCESS OF PLANTING. ALL PLANTS IN CONTAINERS, B&B, OR WIRE BASKET, IF NOT PLANTED IMMEDIATELY, SHALL BE STORED IN AN UPRIGHT POSITION, WITH CARE TAKEN TO PROVIDE ENOUGH SPACE BETWEEN PLANTS TO ALLOW LIGHT TO REACH ALL AROUND TO THE BOTTOM OF THE PLANT IN ORDER TO AVOID SUNSCALD OR BURNING WHEN PLANTS ARE PLANTED OUT.
10. PLANTED STOCK SPACING SHALL BE ADJUSTED TO ACCOMMODATE EXISTING VEGETATION AND NATURAL RECRUITMENT AS REQUIRED, HOWEVER THE LAYOUT DIAGRAM SHOWN ON THIS PLAN SHOULD BE ADHERED TO. PRESCRIBED QUANTITIES OF PLANTINGS MAY BE ADJUSTED WITH APPROVAL BY THE CITY OF PORT MOODY AND PHOENIX ENVIRONMENTAL, SHOULD TARGET SPACING NOT BE POSSIBLE DUE TO EXISTING VEGETATION. SHRUBS OF THE SAME SPECIES ARE TO BE PLANTING IN GROUPINGS OF 5 OF THE SAME SPECIES TO ENSURE GREATER SURVIVAL.
11. PLANTING SHOULD OCCUR IN LATE FALL TO ENSURE HIGHEST POSSIBLE PLANT SURVIVAL RATE.
12. THE CONTRACTOR/HOMEOWNER IS TO CONTRACT WEEKLY WATERING SERVICES FOR THE PLANTING AREAS BETWEEN THE SUMMER MONTHS OF JUNE - SEPTEMBER FOR THE FIRST TWO YEARS, AND AS REQUIRED THEREAFTER TO ENSURE PLANT SURVIVAL THROUGHOUT THE MAINTENANCE PERIOD. THIS SHOULD BE ACCOMPLISHED BY USE OF A CONTRACTED WATERING SERVICE COMPANY, OR BY INSTALLING A TEMPORARY IRRIGATION SYSTEM.
13. IT IS THE CONTRACTOR/HOMEOWNER'S RESPONSIBILITY TO PROVIDE ANNUAL MAINTENANCE AND MONITORING OF THE RESTORATION AREA FOR THE REQUIRED PERIOD. PLANT SURVIVAL RATES MUST BE 100% FOR TREES, AND 80% FOR SHRUBS. AT NO POINT THROUGHOUT THE 5 YEAR MAINTENANCE PERIOD SHOULD THE RESTORATION AREA CONTAIN INVASIVE SPECIES EXCEEDING 5% OF THE PLANTED AREA.
14. QEP (E.G. PHOENIX ENVIRONMENTAL) TO BE CONTACTED PRIOR TO INVASIVE SPECIES REMOVAL AND ANY PLANTING INSTALLATION.

Habitat Enhancement & Restoration Planting Plan

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