

**MITIGATION PLANTING NOTES:**

- PRE-CONSTRUCTION MEETING:** MITIGATION PROJECTS ARE TYPICALLY MORE COMPLEX TO INSTALL THAN TO DESCRIBE IN PLANS. CAREFUL MONITORING BY A WETLAND BIOLOGIST FOR ALL PORTIONS OF THIS PROJECT IS STRONGLY RECOMMENDED. CONSTRUCTION TIMING AND SEQUENCING IS IMPORTANT TO THE SUCCESS OF THIS TYPE OF PROJECT. THERE WILL BE A PRE-CONSTRUCTION MEETING ON THIS SITE BETWEEN THE PERMITTEE, THE CONSULTING WETLAND BIOLOGIST, EQUIPMENT OPERATOR(S), AND CITY OF EVERETT REPRESENTATIVE. THE OBJECTIVE WILL BE TO VERIFY THE LOCATION OF EROSION CONTROL FACILITIES, VERIFY THE LOCATION OF MITIGATION AREAS, AND TO DISCUSS PROJECT SEQUENCING.
- PLANT IN THE EARLY SPRING OR LATE FALL AND OBTAIN ALL PLANTS FROM A REPUTABLE NURSERY. CARE AND HANDLING OF ALL PLANT MATERIALS IS EXTREMELY IMPORTANT TO THE OVERALL SUCCESS OF THE PROJECT. THE ORIGIN OF ALL PLANT MATERIALS SPECIFIED IN THIS PLAN SHALL BE NATIVE PLANTS, NURSERY GROWN IN THE PUGET SOUND REGION OF WASHINGTON. SOME LIMITED SPECIES SUBSTITUTION MAY BE ALLOWED, ONLY WITH THE AGREEMENT OF THE LANDSCAPE DESIGNER, WETLAND BIOLOGIST, AND/OR CITY OF EVERETT STAFF.
- PRE-PLANTING MEETING:** PRIOR TO CONTROL OF INVASIVE SPECIES OR INSTALLATION OF MITIGATION PLANTINGS, A SITE MEETING BETWEEN THE CONTRACTED LANDSCAPER AND THE CONSULTING BIOLOGIST SHALL OCCUR TO RESOLVE ANY QUESTIONS THAT MAY ARISE. DURING THIS MEETING A DISCUSSION REGARDING PLANT SPACING AND LOCATIONS OF PLANT SPECIES INCLUDING WETLAND VERSES BUFFER SPECIES SHALL OCCUR BETWEEN THE LANDSCAPE CONTRACTOR AND THE CONSULTING BIOLOGIST.
- HANDLING:** PLANTS SHALL BE HANDLED SO AS TO AVOID ALL DAMAGE, INCLUDING BREAKING, BRUISING, ROOT DAMAGE, SUNBURN, DRYING, FREEZING OR OTHER INJURY. PLANTS MUST BE COVERED DURING TRANSPORT. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE IN A MANNER THAT COULD DAMAGE BRANCHES. PROTECT PLANT ROOTS WITH SHADE AND WET SOIL IN THE TIME PERIOD BETWEEN DELIVERY AND INSTALLATION. DO NOT LIFT CONTAINER STOCK BY TRUNKS, STEMS, OR TOPS. DO NOT REMOVE FROM CONTAINERS UNTIL READY TO PLANT. WATER ALL PLANTS AS NECESSARY TO KEEP MOISTURE LEVELS APPROPRIATE TO THE SPECIES HORTICULTURAL REQUIREMENTS. PLANTS SHALL NOT BE ALLOWED TO DRY OUT. ALL PLANTS SHALL BE WATERED THOROUGHLY UPON INSTALLATION. SOAK ALL CONTAINERIZED PLANTS THOROUGHLY PRIOR TO INSTALLATION. BARE ROOT PLANTS ARE SUBJECT TO THE FOLLOWING SPECIAL REQUIREMENTS, AND SHALL NOT BE USED UNLESS PLANTED BETWEEN NOVEMBER 1 AND MARCH 1, AND ONLY WITH THE PERMISSION OF THE LANDSCAPE DESIGNER, WETLAND BIOLOGIST, AND CITY OF EVERETT STAFF. BARE ROOT PLANTS MUST HAVE ENOUGH FIBROUS ROOT TO INSURE PLANT SURVIVAL. ROOTS MUST BE COVERED AT ALL TIMES WITH MUD AND/OR WET STRAW, MOSS, OR OTHER SUITABLE PACKING MATERIAL UNTIL TIME OF INSTALLATION. PLANTS WHOSE ROOTS HAVE DRIED OUT FROM EXPOSURE WILL NOT BE ACCEPTED AT INSTALLATION INSPECTION.
- STORAGE:** PLANTS STORED BY THE PERMITTEE FOR LONGER THAN ONE MONTH PRIOR TO PLANTING SHALL BE PLANTED IN NURSERY ROWS, AND TREATED IN A MANNER SUITABLE TO THE SPECIES HORTICULTURAL REQUIREMENTS. PLANTS MUST BE RE-INSPECTED BY THE WETLAND BIOLOGIST AND/OR LANDSCAPE DESIGNER PRIOR TO INSTALLATION.
- DAMAGED PLANTS:** DAMAGED, DRIED OUT, OR OTHERWISE MISHANDLED PLANTS WILL BE REJECTED AT INSTALLATION INSPECTION. ALL REJECTED PLANTS SHALL BE IMMEDIATELY REMOVED FROM THE SITE.
- PLANT NAMES:** PLANT NAMES SHALL COMPLY WITH THOSE GENERALLY ACCEPTED IN THE NATIVE PLANT NURSERY TRADE. ANY QUESTION REGARDING PLANT SPECIES OR VARIETY SHALL BE REFERRED TO THE LANDSCAPE DESIGNER, WETLAND BIOLOGIST, OR CITY OF EVERETT STAFF. ALL PLANT MATERIALS SHALL BE TRUE TO SPECIES AND VARIETY AND LEGIBLY TAGGED.
- QUALITY AND CONDITION:** PLANTS SHALL BE NORMAL IN PATTERN OF GROWTH, HEALTH, WELL-BRANCHED, VIGOROUS, WITH WELL-DEVELOPED ROOT SYSTEMS, AND FREE OF PESTS AND DISEASES. DAMAGED, DISEASED, PEST-INFESTED, SCRAPED, BRUISED, DRIED OUT, BURNED, BROKEN, OR DEFECTIVE PLANTS WILL BE REJECTED. PLANTS WITH PRUNING WOUNDS OVER 1" IN DIAMETER WILL BE REJECTED.
- ROOTS:** ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINERIZED, UNLESS EXPLICITLY AUTHORIZED BY THE LANDSCAPE DESIGNER AND/OR WETLAND BIOLOGIST. ROOTBOUND PLANTS OR B&B PLANTS WITH DAMAGED, CRACKED, OR LOOSE ROOTBALLS (MAJOR DAMAGE) WILL BE REJECTED. IMMEDIATELY BEFORE INSTALLATION, PLANTS WITH MINOR ROOT DAMAGE (SOME BROKEN AND/OR TWISTED ROOTS) MUST BE ROOT-PRUNED, MATTED OR CIRCLING ROOTS OF CONTAINERIZED PLANTINGS MUST BE PRUNED OR STRAIGHTENED AND THE SIDES OF THE ROOT BALL MUST BE ROUGHENED FROM TOP TO BOTTOM TO A DEPTH OF APPROXIMATELY HALF AN INCH IN TWO TO FOUR PLACES. BARE ROOT PLANTINGS OF WOODY MATERIAL ARE ALLOWED ONLY WITH PERMISSION FROM THE LANDSCAPE DESIGNER, WETLAND BIOLOGIST AND/OR CITY OF EVERETT.
- SIZES:** PLANT SIZES SHALL BE THE SIZE INDICATED IN THE PLANT SCHEDULE IN APPROVED PLANS. LARGER STOCK MAY BE ACCEPTABLE PROVIDED THAT IT HAS NOT BEEN CUT BACK TO THE SIZE SPECIFIED, AND THAT THE ROOT BALL IS PROPORTIONATE TO THE SIZE OF THE PLANT. SMALLER STOCK MAY BE ACCEPTABLE, AND PREFERABLE UNDER SOME CIRCUMSTANCES, BASED ON SITE-SPECIFIC CONDITIONS. MEASUREMENTS, CALIPER, BRANCHING, AND BALLING AND BURLAPPING SHALL CONFORM TO THE AMERICAN STANDARD OF NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSERYMEN (LATEST EDITION).
- FORM:** EVERGREEN TREES SHALL HAVE SINGLE TRUNKS AND SYMMETRICAL, WELL-DEVELOPED FORM. DECIDUOUS TREES SHALL BE SINGLE TRUNKED UNLESS SPECIFIED AS MULTI-STEM IN THE PLANT SCHEDULE. SHRUBS SHALL HAVE MULTIPLE STEMS AND BE WELL-BRANCHED.
- TIMING OF PLANTING:** UNLESS OTHERWISE APPROVED BY CITY OF EVERETT STAFF, ALL PLANTING SHALL OCCUR BETWEEN NOVEMBER 1 AND MARCH 1. OVERALL, THE EARLIER PLANTS GO INTO THE GROUND DURING THE DORMANT PERIOD, THE MORE TIME THEY HAVE TO ADAPT TO THE SITE AND EXTEND THEIR ROOT SYSTEMS BEFORE THE WATER DEMANDS OF SPRING AND SUMMER.
- WEEDING:** EXISTING AND EXOTIC VEGETATION IN THE MITIGATION AREAS WILL BE HAND WEEDED FROM AROUND ALL NEWLY INSTALLED PLANTS AT THE TIME OF INSTALLATION AND ON A ROUTINE BASIS THROUGHOUT THE MONITORING PERIOD. NO CHEMICAL CONTROL OF VEGETATION ON ANY PORTION OF THE SITE IS ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE CITY OF EVERETT STAFF.
- SOIL AMENDMENTS:** UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE CITY OF EVERETT, ORGANIC MATTER (COMPOST OR APPROVED EQUAL) WILL BE INCORPORATED INTO THE ENTIRE PLANTING AREA, NOT INCLUDING AREAS INSIDE THE DRIPLINE OF EXISTING TREES AND SHRUBS. ONE UNIT OF LOOSE, WELL-COMPOSTED ORGANIC MATERIAL SHOULD BE INCORPORATED WITH TWO UNITS OF SILT LOAM TOPSOIL TO A DEPTH OF TEN TO TEN INCHES (ONLY THREE TO FOUR INCHES WITHIN THREE FEET OF EXISTING DRIP LINES, AND MIXED THOROUGHLY).
- SITE CONDITIONS:** THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE DESIGNER AND/OR WETLAND BIOLOGIST OF DRAINAGE OR SOIL CONDITIONS LIKELY TO BE DETRIMENTAL TO THE GROWTH OR SURVIVAL OF PLANTS. PLANTING OPERATIONS SHALL NOT BE CONDUCTED UNDER THE FOLLOWING CONDITIONS: FREEZING WEATHER, WHEN THE GROUND IS FROZEN, EXCESSIVELY WET WEATHER, EXCESSIVELY WINDY WEATHER, OR IN EXCESSIVE HEAT.
- PLANTING PITS:** PLANTING PITS SHALL BE CIRCULAR OR SQUARE WITH VERTICAL SIDES, AND SHALL BE 6" DEEPER AND 12" LARGER IN DIAMETER THAN THE ROOT BALL OF THE PLANT. BREAK UP THE SIDES OF THE PIT IN COMPACTED SOILS. SET PLANTS UPRIGHT IN PITS. BURLAP SHALL BE REMOVED FROM THE PLANTING PIT. BACKFILL SHALL BE WORKED BACK INTO HOLES SUCH THAT AIR POCKETS ARE REMOVED WITHOUT ADVERSELY COMPACTING DOWN SOILS.
- FERTILIZER:** SLOW RELEASE FERTILIZER MAY BE USED IF PRE-APPROVED BY THE CITY OF EVERETT. FERTILIZERS SHALL BE APPLIED ONLY AT THE BASE OF PLANTINGS UNDERNEATH THE REQUIRED COVERING OF MULCH (THAT DOES NOT MAKE CONTACT WITH STEMS OF PLANTS). NO SOIL AMENDMENT OR FERTILIZERS WILL BE PLACED IN PLANTING HOLES.
- STAKING:** MOST SHRUBS AND MANY TREES DO NOT REQUIRE ANY STAKING. IF THE PLANT CAN STAND WITHOUT STAKING IN A MODERATE WIND, DO NOT USE A STAKE. IF THE PLANT NEEDS SUPPORT, THEN STRAPPING OR WEBBING SHOULD BE USED AS LOW AS POSSIBLE ON THE TRUNK TO LOOSELY BRACE THE TREE WITH TWO STAKES. DO NOT BRACE THE TREE TIGHTLY OR TOO HIGH ON THE TRUNK. IF THE TREE IS UNABLE TO SWAY, IT WILL FURTHER LOSE THE ABILITY TO SUPPORT ITSELF. DO NOT USE WIRE IN A RUBBER HOSE FOR STRAPPING AS IT EXERTS TOO MUCH PRESSURE ON THE BARK. AS SOON AS SUPPORTING THE PLANT BECOMES UNNECESSARY, REMOVE THE STAKES. ALL STAKES MUST BE REMOVED WITHIN TWO (2) YEARS OF INSTALLATION.
- PLANT LOCATION:** COLORED SURVEYORS RIBBON OR OTHER APPROPRIATE MARKING SHALL BE ATTACHED TO THE INSTALLED PLANTS TO ASSIST IN LOCATING PLANTS WHILE REMOVING THE COMPETING NON-NATIVE VEGETATION AND TO ASSIST IN LOCATING THE PLANTS DURING THE MONITORING PERIOD.
- ARRANGEMENT AND SPACING:** THE PLANTS SHALL BE ARRANGED IN A PATTERN WITH THE APPROPRIATE NUMBERS, SIZES, SPECIES, AND DISTRIBUTION THAT ARE REQUIRED IN ACCORDANCE WITH THE APPROVED PLANS. THE ACTUAL PLACEMENT OF INDIVIDUAL PLANTS SHALL MIMIC NATURAL, ASYMMETRIC VEGETATION PATTERNS FOUND ON SIMILAR UNDISTURBED SITES IN THE AREA. SPACING OF THE PLANTINGS MAY BE ADJUSTED TO MAINTAIN EXISTING VEGETATION WITH THE AGREEMENT OF THE LANDSCAPE DESIGNER, WETLAND BIOLOGIST, AND/OR CITY OF EVERETT STAFF.
- INSPECTION(S):** A WETLAND BIOLOGIST SHALL BE PRESENT ON SITE TO INSPECT THE PLANTS PRIOR TO PLANTING. MINOR ADJUSTMENTS TO THE ORIGINAL DESIGN MAY BE REQUIRED PRIOR TO AND DURING CONSTRUCTION.
- MULCH:** ALL LANDSCAPED AREAS DENuded OF VEGETATION AND SOIL SURFACE SURROUNDING ALL PLANTING PIT AREAS SHALL RECEIVE NO LESS THAN 2 TO 4 INCHES OF ORGANIC COMPOST OR CERTIFIED WEED FREE STRAW AFTER PLANTING. COMPOST OR CERTIFIED WEED FREE STRAW SHALL BE KEPT WELL AWAY (AT LEAST 2 INCHES) FROM THE TRUNKS AND STEMS OF WOODY PLANTS.



**PLANT SCHEDULE**

| SYMBOL                      | BOTANICAL/Common NAME                              | SIZE/COMMENTS                             |
|-----------------------------|--|---|
| <b>TREES</b>                |  |   |
|                             | ACER MACROPHYLLUM / BIG LEAF MAPLE                 | 1 GAL. CONT., PLANT @ 10' O.C.            |
|                             | PSEUDOTSUGA MENZIESII / DOUGLAS FIR                | 1 GAL. CONT., PLANT @ 10' O.C.            |
|                             | THUJA PLICATA / WESTERN RED CEDAR                  | 1 GAL. CONT., PLANT @ 10' O.C.            |
|                             | TSUGA HETEROPHYLLA / WESTERN HEMLOCK               | 1 GAL. CONT., PLANT @ 10' O.C.            |
| <b>SHRUBS / GROUNDCOVER</b> |  |   |
|                             | CORYLUS CORNUTA VAR. CALIFORNICA / BEAKED HAZELNUT | 1 GAL. CONT., PLANT @ 5' O.C.             |
|                             | MAHONIA NERVOZA / DWARF OREGON GRAPE               | 1 GAL. CONT., PLANT @ 3' O.C.             |
|                             | OEMLERIA CERASIFORMIS / OSOBERRY                   | 1 GAL. CONT., PLANT @ 5' O.C.             |
|                             | ROSA CYMOCARPA / BALDHIP ROSE                      | 1 GAL. CONT., PLANT @ 5' O.C.             |
|                             | RUBUS SPECTABILIS / SALMONBERRY                    | 1 GAL. CONT., PLANT @ 5' O.C.             |
|                             | SYMPHORICARPOS ALBUS / SNOWBERRY                   | 1 GAL. CONT., PLANT @ 5' O.C.             |
|                             | EXISTING VEGETATION TO REMAIN                      | PREDOMINANTLY NATIVES; PROTECT & PRESERVE |

|              |          |                        |
|--------------|----------|------------------------|
| No.          | Date     | Revision Description   |
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| Checked By:  | TSP      |                        |

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**LANDSCAPE PLAN - BUFFER**

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