SOMERSET SUBSTATION

Landscape Construction Details and Notes

GENERAL NOTES

QUALITY ASSURANCE
1. PLANTS shall meet or exceed the specifications of Federal, State, and Local laws requiring inspection for plant materials and insect control.

2. PLANTS shall be healthy, vigorous, and well formed. Plants shall be free of disease and injury caused by temperature extremes. Free from dead branches or roots. Plants shall be free from Bagworms, Phyllodromia, and Leafmine Moth. All leaves, buds, flowers, fruits, and roots shall be free of any insect damage or disease. Plants shall be free from any fungus on the foliage, stems, roots or bud scales. The plants shall be free from any signs of animal feeding. The root ball shall be clean, the plant shall be free of moisture on the foliage, stems, roots, or bud scales.

3. PLANTS shall be well foliaged and of good color. Plants shall be free from disease and insect damage. Plants shall be free from any fungus on the foliage, stems, roots or bud scales. The root ball shall be clean, the plant shall be free of moisture on the foliage, stems, roots, or bud scales.


DEFINITIONS
1. PLANT MATERIALS: PLANTS AND PLANT MATERIALS SHALL INCLUDE ANY LIVE PLANT MATERIAL USED ON THE PROJECT. THIS INCLUDES BUT IS NOT LIMITED TO CONTAINER GROWN, B&B OR BAREROOT PLANTS LIVE STAKES AND FASCIATES (WATTLE). TREES, CORN, BILLS, ETC., SPRAYS, PIGMENTS, AND INSECTICIDES.

2. CONTAINER GROWN: CONTAINER GROWN PLANTS ARE THOSE ROOTTAILS ARE ENCLOSED IN A POT OR BAG IN WHICH THAT PLANT Grew.

3. SUBSTITUTION: IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN SPECIFIED MATERIALS IN ADVANCE OF SPECIES, GRADING, MARKETING OR OTHER ARRANGEMENTS MAY BE MADE IN ORDER TO SUPPLY SPECIFIED MATERIALS.

4. PLANT MATERIALS NOT ON THE PROJECT LIST: PLANTS TO BE USED ON THE PROJECT THAT ARE NOT ON THE PROJECT LIST MUST NOT BE ALLOWED UNLESS AUTHORIZED IN WRITING BY THE RESTORATION CONSULTANT.

5. If a specification is not met by any plant material specified, a proposal will be considered for use of alternate plant size or alternative species, with corresponding adjustment of contract price.

DELIVERY, HANDLING, AND STORAGE
1. CONTRACTOR MUST NOTIFY CONSULTANT 48 HOURS OR MORE IN ADVANCE OF DELIVERIES SO THAT CONSULTANT MAY ARRANGE FOR INSPECTION.

PLANT MATERIALS
1. TRANSPORTATION: DURING SHIPMENT, PLANTS SHALL BE PACKED TO PROVIDE PROTECTION AGAINST ALL WEATHER CONDITIONS. BREADED AND DRYING. PROPER VENTILATION FOR PREVENTION OF DAMAGE TO BARK, BRANCHES, AND ROOT SYSTEMS MUST BE ENSURED.

2. HANDLING: PLANT MATERIALS SHALL NOT BE HANDLED BY THE TRUNK, STEM, OR STEM. LABELS SHOULD NO BE REMOVED FROM PLANTS. PLANTS SHALL BE KEPT IN Accordance WITH SPECIFIED DURABILITY, APPROPRIATE PROTECTION AGAINST DAMAGE TO THE PLANTS, AND TO PROVIDE PROTECTION AGAINST CLIMATE EXTREMES, SUCH AS SUN SCALD OR FROST. PLANTS SHALL BE FREE FROM DAMAGE DURING HANDLING. PLANTS SHALL BE FREE FROM DAMAGE DURING HANDLING.

3. LABELS: PLANTS SHALL HAVE DURABLE LABELS STATING SPECIFIC SCIENTIFIC NAME, AND SIZE, TEN-phemeral CONTAINER GROWN PLANTS IN CONTAINER POTS SHOULD BE LABELED, PLANTS WITHOUT LABELS SHOOTING BUNDLES, BAGS, OR BRANCHES SHALL HAVE ONE LABEL PER GROUP.

PLANT MATERIALS SPECIFICATIONS
1. PLANTS SHALL BE SHOWN TO INSPECTION AND APPROVAL BY THE RESTORATION CONSULTANT FOR CONFORMANCE TO SPECIFICATIONS. PLANTS SHOWN FOR INSPECTION AT TIME-OF-DELIVERY-ON-SITE AT THE GROWERS NURSERY. APPROVAL OF PLANT MATERIALS AT ANY TIME NOT APPLICABLE TO THIS SCHEDULE.

2. PLANTS INSPECTED ON SITE AND REPLACED NOT EQUAL TO OR BETTER THAN SPECIFIED. PLANTS MAY BE REPLACED WITH MATERIALS NOT ON THE PROJECT LIST IN ADVANCE OF DELIVERIES SO THAT CONSULTANT MAY ARRANGE FOR INSPECTION.

3. PLANTS TO BE SHOWN TO CONSULTANT AT LEAST 30 DAYS PRIOR TO START OF WORK UNDER THIS SECTION.

INTEGRITY
1. PLANTS SHALL BE SUITABLE FOR CONSTRUCTION TO THE REQUIREMENTS SPECIFIED IN THIS CONTRACT.

2. PLANTS TO BE SHOWN TO INSPECT CONDITIONS MEET THE SPECIFICATIONS OF THE CONTRACT.

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MITIGATION NOTES

SOMERSET SUBSTATION

EXECUTIVE SUMMARY
PSE’s ENERGIZE EASTSIDE PROJECT (the Project) proposes to upgrade existing transmission lines, which are located in or adjacent to the Somerset Substation parcel, to 345 kV transmission system capacity to serve power project elements. Existing conditions, mitigation sequencing, and potential impacts to critical areas and designated wetlands in the City of Bellevue critical areas report; Puget Sound Energy-Eneregie EASTSIDE project South Bellevue Substation and Bellevue campus proposal by the Watershed Company August 2017. This mitigation plan has been designed to appropriately mitigate for project impacts occurring in the Richards Creek Basin.

PROPOSED PROJECT IMPACTS TO THE CREEK SUB-BASIN WETLANDS AND BUFFER are in one of three ways: PERMANENTLY FILL RESULTING FROM TRANSMISSION POLE INSTALLATION Replace Wetlands and Buffer in the Area of Categorical Exclusion. PERMANENTLY FILL RESULTING FROM TRANSMISSION POLE INSTALLATION Replace Wetlands and Buffer in the Area of Categorical Exclusion.

IMPACTS

The following performance standards will be used to gauge the success of the project over time. If all performance standards have been satisfied by the end of year five, the project will be considered complete.

1. Survival Standards

1.1. 100% Survival of all planted species in all areas at the end of Year 1. This standard may be met by establishing through established practices or by replanting as necessary to achieve the required numbers.

1.2. 85% Survival of all planted species in all areas at the end of Year 2. This standard may be met through establishment of established practices or by replanting as necessary to achieve the required numbers.

1.3. Survival beyond Year 2 to project, that is, a diversity standard shall be implemented.

2. Native Vegetation Cover Standards

2.1. Achievement of at least 20 Native Tree Species, 4 Native Shrub Species, and 2 Native Emergent Species in all areas.

3. Invasive Species Cover Standards

3.1. Invasive species cover standard of less than 15% of any non-native, invasive species in any area during Year 1.

4. Monitoring

4.1. The Site shall be maintained in accordance with the following instructions for five years following successful completion of the construction.

4.2. Following the recommendations noted in the previous monitoring site visit’s report.

4.3. General Weeding for all planted areas at least twice annually. Remove competing grasses and weeds from all planted areas.

4.4. Native shrub species, such as rose, may remain as desired to enhance the natural appearance of the mitigation area.

4.5. Removal of non-native tree species should occur at least once in the spring and once in the summer.

4.6. Mulch shall be derived from Douglas Fir, Pine, or Hemlock species. It shall not be bark or wood chip.

4.7. MULCH SHALL BE DERIVED FROM DOUGLAS FIR, PINE, OR HEMLOCK SPECIES. IT SHALL NOT BE BARK OR WOOD CHIP.

4.8. NOXIOUS WEEDS MUST BE REMOVED FROM THE ENTIRE MITIGATION AREA, AT LEAST TWICE ANNUALLY.

4.9. BARK OR WOOD CHIP.

4.10. Native Volunteers may count towards this standard.

4.11. NOXIOUS WEEDS MUST BE REMOVED FROM THE ENTIRE MITIGATION AREA, AT LEAST TWICE ANNUALLY.

5. Site Visits

5.1. Site visits shall occur on a regular basis. Site visits shall be conducted in consultation with appropriate agencies.

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6. Reporting

6.1. Quarterly reports shall be submitted to the City of Bellevue and other permitting agencies as requested.

7. Mitigation Notes

The following notes shall be considered complete.

1. General Notes

1.1. Cover percentage of native woody vegetation by the end of Year 3.

1.2. 85% Survival of all planted species in all areas at the end of Year 5.

2. Native Vegetation Cover Standards

2.1. Establishment of at least 20 Native Tree Species, 4 Native Shrub Species, and 2 Native Emergent Species in all areas.

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