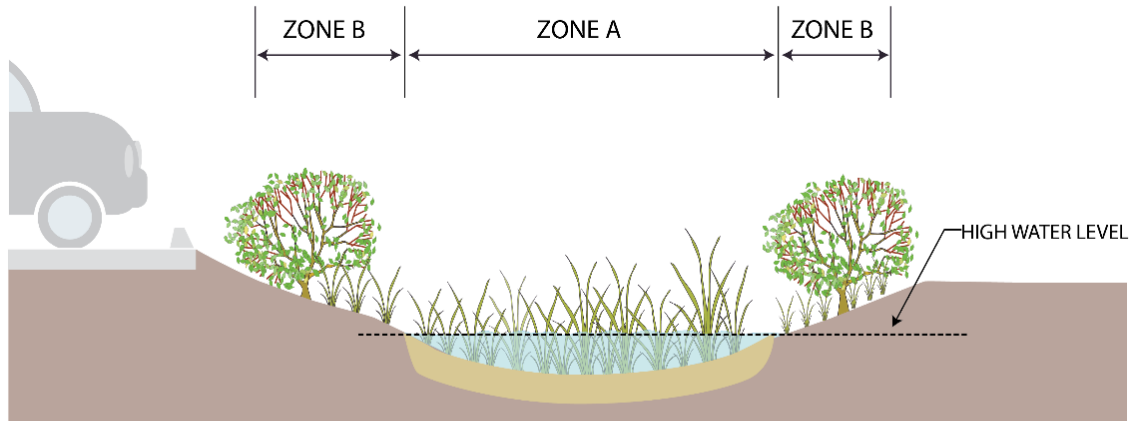
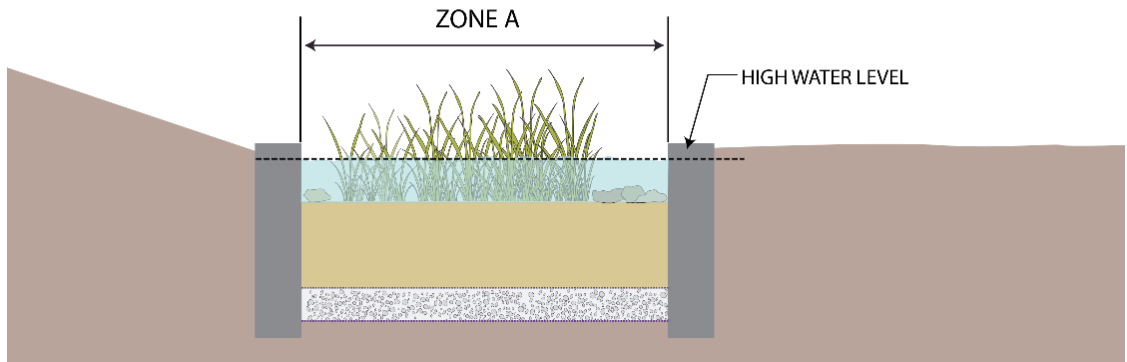


**Figure 2-34. Planting Zones
Sloped Facility**



City of Portland Environmental Services ES 1604

Flat-bottom Facility



City of Portland Environmental Services ES 1604

Plant Lists

For more information about a number of these plants, please visit the [Portland Plant List](#). No plants off the Portland Nuisance Plant List area allowed in stormwater management facilities or drainageways (See Section 4.1 of the [Portland Plant List](#)). A number of other plants may be appropriate for private stormwater management facilities – see Section 2.4 (Deciduous Forested Wetlands and Floodplains), Section 2.5 (Scrub-Shrub Wetlands) and Section 2.6 (Marsh) of the [Portland Plant List](#). Additionally, see the [Bureau of Development Services Tree and Landscaping Manual](#) for plant suggestions that also meet required landscaping and screening goals.

Private Stormwater Facilities Plant List

	Botanic Name	Common Name	Zone	Swale	Planter	Basin	NW Native	Evergreen	Potential Height	O.C. Spacing
Herbaceous Plants	<i>Athyrium filix-femina</i>	Lady Fern	B	X		X	Y	N	36"	24"
	<i>Bromus carinatus</i>	California Brome Grass	A			X	Y	Y	18"	12"
	<i>Bromus sitchensis</i>	Alaska Brome	A			X	Y	Y	18"	12"
	<i>Bromus vulgaris</i>	Columbia Brome	A			X	Y	Y	18"	12"
	<i>Carex deweyanna</i>	Dewey Sedge	A	X	X	X	Y	Y	36"	12"
	<i>Carex densa</i>	Dense Sedge	A	X	X	X	Y	N	24"	12"
	<i>Carex obnupta</i>	Slough Sedge	A	X	X	X	Y	Y	4'	12"
	<i>Carex rupestris</i>	Curly Sedge	A	X	X	X	N	Y	14"	12"
	<i>Carex stipata</i>	Sawbeak Sedge	A	X	X	X	N	Y	20"	12"
	<i>Carex testacea</i>	New Zealand Orange Sedge	A	X	X	X	N	Y	24"	12"
	<i>Carex vesicaria</i>	Inflated Sedge	A	X	X	X	Y	Y	36"	12"
	<i>Deschampsia cespitosa</i>	Tufted Hair Grass	A/B	X	X	X	Y	Y	36"	12"
	<i>Eleocharis acicularis</i>	Needle Spike Rush	A	X	X	X	Y	Y	30"	12"
	<i>Eleocharis ovata</i>	Ovate Spike Rush	A	X	X	X	Y	Y	30"	12"
	<i>Eleocharis palustris</i>	Creeping Spike Rush	A			X	Y	Y	30"	12"
	<i>Elymus glaucus</i>	Blue Wild Rye	B	X		X	Y	Y	24"	12"
	<i>Festuca occidentalis</i>	Western Fescue Grass	A	X		X	Y	Y	24"	12"
	<i>Festuca rubra</i>	Red Fescue	B	X		X	Y	Y	24"	12"
	<i>Glyceria occidentalis</i>	Western Manna Grass	A			X	Y	Y	18"	12"
	<i>*Helictotrichon sempervirens</i>	Blue Oat Grass	B	X		X	N	Y	24"	12"
<i>Iris douglasiana</i>	Douglas Iris	B	X		X	Y	y	18"	12"	

Private Stormwater Facilities Plant List

	Botanic Name	Common Name	Zone	Swale	Planter	Basin	NW Native	Evergreen	Potential Height	O.C. Spacing
Herbaceous Plants	<i>Iris sibirica</i>	Siberian Iris	A	X	X	X	N	y	36"	12"
	<i>Iris tenax</i>	Oregon Iris	B	X		X	Y	y	18"	12"
	<i>Juncus balticus</i>	Baltic Rush	A	X	X	X	y	y	20"	12"
	<i>Juncus effusus var. pacificus</i>	Soft rush	A	X	X	X	Y	Y	36"	12"
	<i>Juncus ensifolius</i>	Dagger-leaf Rush	A	X	X	X	N	y	10"	12"
	* <i>Juncus patens</i>	Spreading Rush	A	X	X	X	N	Y	36"	12"
	<i>Juncus tenuis</i>	Slender Rush	A	X	X	X	Y	Y	36"	12"
	* <i>Liriope muscari 'Big Blue'</i>	Big Blue Liriope	A/B	X	X	X				
	<i>Lupinus bicolor</i>	Bicolor Lupine	B	X		X	Y	N	18"	12"
	<i>Lupinus polyphyllus</i>	Large-leaved Lupine	A/B	X		X	Y	N	36"	12"
	* <i>Polystichum munitum</i>	Sword Fern	A/B	X		X	Y	Y	24"	24"
	<i>Schoenoplectus americanus</i>	American Bulrush	A	X	X	X	Y	Y	30"	12"
	<i>Scripus microcarpus</i>	Small Fruited Bulrush	A			X	Y	Y	24"	12"
	<i>Scripus validus</i>	Softstem Bulrush	A	X	X	X	N	y	5'	12"
	<i>Sisyrinchium californicum</i>	Yellow-eyed Grass	A/B	X	X	X	N	Y	6"	12"
	<i>Symphotrichum subspicatum</i>	Douglas' Aster	B	X		X	Y	N	36"	12"
	<i>Veronica liwanensis</i>	Speedwell	A	X		X	N	y	2"	12"
Groundcovers	* <i>Arctostaphylos uva-ursi</i>	Kinnickinnick	B	X		X	Y	Y	6"	12"
	* <i>Berberis (Mahonia) repens</i>	Creeping Oregon Grape	B	X		X	Y	Y	12"	12"
	* <i>Fragaria chiloensis</i>	Coastal Strawberry	B	X		X	Y	Y	6"	12"
	<i>Fragaria vesca</i>	Woodland Strawberry	B	X		X	Y	Y	10"	12"
	<i>Fragaria virginiana</i>	Wild Strawberry	B	X		X	Y	Y	10"	12"
	<i>Sedum oreganum</i>	Oregon Stonecrop	B	X			X	Y	4"	12"

Private Stormwater Facilities Plant List

	Botanic Name	Common Name	Zone	Swale	Planter	Basin	NW Native	Evergreen	Potential Height	O.C. Spacing
Small Shrubs	<i>Baccaris pilularis 'Dwarf'</i>	Dwarf Coyote Bush	B	X		X	Y	Y	3'	24"
	* <i>Berberis (Mahonia) aquifolium</i>	Oregon Grape	B	X		X	Y	Y	4'	3'
	* <i>Berberis nervosa</i>	Dull Oregon Grape	B	X		X	Y	Y	24"	24"
	* <i>Ceanothus velutinus</i>	Snowbrush	B	X		X	Y	Y	4'	3'
	* <i>Cistus spp.</i>	Various rock rose species	A/B	X	X	X	N	Y	3'	3'
	<i>Cornus sericea 'Kelseyii'</i>	Kelsey Dogwood	B	X		X	N	N	24"	24"
	* <i>Hebe spp.</i>	Various hebe species	B	X		X	N	Y	2-3'	2-3'
	* <i>Ilex glabra 'Shamrock', 'Compacta'</i>	Inkberry	A/B	X	X	X	N	Y	4'	4'
	* <i>Lavendula spp.</i>	Lavender species	B	X		X	N	Y	3'	24"
	* <i>Lonicera nitida</i>	Box Honeysuckle	B	X		X	N	Y	4'	4'
	* <i>Paxistima myrsinites</i>	Oregon Boxwood	B	X		X	Y	Y	3'	4'
	<i>Rosa gymnocarpa</i>	Baldhip Rose	B	X		X	Y	N	3'	3'
	<i>Rosa nutkana</i>	Nootka Rose	B	X		X	Y	N	8'	3'
	* <i>Rosa pisocarpa</i>	Swamp Rose	A/B	X	X	X	Y	N	8'	3'
	* <i>Spirea betulifolia</i>	Birchleaf Spirea	A/B	X	X	X	N	N	3'	24"
	* <i>Spirea x bumalda cvs.</i>	Bumald Spirea	A/B	X	X	X	N	N	3'	24"
	* <i>Spirea densiflora</i>	Sub-Alpine Spirea	A/B	X	X	X	N	N	3'	24"
	* <i>Spirea japonica cvs.</i>	Various spirea cultivars	A/B	X	X	X	Y	N	3'	24"
	* <i>Symphoricarpos alba</i>	Common Snowberry	B	X		X	Y	N	6'	3'
	* <i>Therorhodion (Ledum) glandulosum</i>	Trapper's Tea	A/B	X	X	X	X	Y	1'-4'	2'
* <i>Thuja plicata dwarf and semi-dwarf species</i>	Semi-dwarf Western Red Cedar	A/B	X		X	Y	Y	3'	3'	
* <i>Vaccinium ovatum</i>	Evergreen Huckleberry	A/B	X	X	X	Y	Y	3'	3'	
* <i>Viburnum davidii</i>	David viburnum	A/B	X	X	X	Y	N	3'	3'	

Private Stormwater Facilities Plant List

	Botanic Name	Common Name	Zone	Swale	Planter	Basin	NW Native	Evergreen	Potential Height	O.C. Spacing
Large Shrubs	<i>*Arbutus unedo</i>	Strawberry Tree	B	X		X	N	Y	10'	10'
	<i>*Acer circinatum</i>	Vine Maple	A/B	X		X	Y	N	15'	10'
	<i>*Amelanchier alnifolia</i>	Western Serviceberry	B	X		X	Y	N	20'	10'
	<i>Ceanothus sanguineus</i>	Oregon Redstem Ceanothus	B	X		X	Y	N	7'	4'
	<i>*Ceanothus thyrsiflorus</i>	Blueblossom	B	X		X	Y	Y	6'	6'
	<i>*Cornus sericea</i>	Red-twig Dogwood	A/B	X	X	X	Y	N	6'	4'
	<i>*Euonymus japonicas</i>	Japanese euonymus	A/B	X		X	N	Y	6'	4'
	<i>*Fragula (Rhamnus) californica</i>	Coffeeberry (sm. cultivars)	B	X		X	N	Y	6'	6'
	<i>*Holodiscus discolor</i>	Oceanspray	B	X		X	Y	N	6'	4'
	<i>*Ilex cornuta</i>	Chinese Holly	B	X		X	N	Y	10'	4'
	<i>*Ilex crenata</i>	Japanese Holly	B	X		X	N	Y	8'	4'
	<i>Lonicera involucrata</i>	Black Twinberry	B	X		X	Y	N	5'	4'
	<i>*Morella (Myrica) californica</i>	Pacific Wax Myrtle	A/B	X	X	X	Y	Y	10'	10'
	<i>*Nandina domestica</i>	Heavenly Bamboo	A/B	X	X	X	N	Y	6'	3'
	<i>Oemleria cerasiformis</i>	Indian Plum	B	X		X	Y	N	6'	4'
	<i>*Philadelphus lewisii</i>	Wild Mock Orange	B	X		X	Y	N	6'	4'
	<i>*Physocarpus capitatus</i>	Pacific Ninebark	A/B	X	X	X	Y	N	10'	3'
	<i>*Ribes sanguineum</i>	Red-Flowering Current	B	X		X	Y	N	8'	4'
	<i>Rubus parviflorus</i>	Thimbleberry	B	X		X	Y	N	8'	4'
	<i>Rubus spectabilis</i>	Salmonberry	A	X	X	X	Y	N	10'	4'
	<i>Salix purpurea 'Nana'</i>	Blue Arctic Willow	B	X		X	N	N	8'	6'
	<i>Salix stichensis</i>	Sitka Willow	A	X	X	X	Y	N	20'	6'
<i>Sambucus nigra ssp. cerulea</i>	Blue Elderberry	B	X		X	Y	N	10'	10'	
<i>Sambucus racemose var. arborescens</i>	Red Elderberry	B	X		X	Y	N	10'	10'	
<i>*Spiraea douglasii</i>	Douglas' Spirea	A/B	X	X	X	Y	N	7'	4'	

Private Stormwater Facilities Plant List

	Botanic Name	Common Name	Zone	Swale	Planter	Basin	NW Native	Evergreen	Potential Height	O.C. Spacing
Large Shrubs	* <i>Thuja occidentalis</i>	American Arborvitae (Emerald)	B	X		X	N	Y	12'	3'
	* <i>Viburnum cinnamomifolium</i>	Cinnamon Leaf Viburnum	B	X		X	N	Y	8'	8'
	<i>Viburnum edule</i>	Highbush Cranberry	A/B	X	X	X	Y	N	6'	4'
	* <i>Viburnum tinus</i>	Laurustinus viburnum	A/B	X	X	X	Y	N	6'	5'
Trees	* <i>Abies grandis</i>	Grand Fir	B			X	Y	Y	150'	-
	* <i>Acer camperstre</i>	Hedge Maple	A/B				N	N	50'	-
	* <i>Acer griseum</i>	Paperbark Maple	B	X		X	N	N	30'	-
	* <i>Acer macrophyllum</i>	Big Leaf Maple	B	X		X	Y	Y	60'	-
	* <i>Alnus rhombifolia</i>	White Alder	A/B				Y	Y	100'	-
	* <i>Alnus rubra</i>	Red Alder	A	X		X	Y	N	80'	-
	<i>Arbutus menziesii</i>	Madrone	B			X	Y	N	35'	-
	* <i>Calocedrus decurrens</i>	Incense Cedar	A/B	X	X	X	Y	Y	100'	-
	* <i>Celtis occidentalis</i>	Common Hackberry	A/B	X	X	X	N	Y	100'	-
	* <i>Celtis reticulata</i>	Western Hackberry	B	X		X	N	N	30'	-
	<i>Crataegus douglasii</i>	Black Hawthorn	A	X		X	Y	N	40'	-
	<i>Crataegus gaylorii</i> (suksdorfii)	Suksdorf's Hawthorne	A/B				Y	N	40'	-
	* <i>Fraxinus latifolia</i>	Oregon Ash	A/B	X		X	Y	N	30'	-
	* <i>Frangula purshiana</i>	Cascara	A/B	X	X	X	Y	N	30'	-
	* <i>Gleditsia tricanthos</i>	Honeylocust	A/B				N	N	40'	-
	<i>Malus fusca</i>	Pacific Crabapple	A	X	X	X	Y	N	30'	-
	* <i>Metasequoia glyptostroboides</i>	Dawn Redwood	B			X	N	N	80'	-
	* <i>Nyssa sylvatica</i>	Tupelo, sour gum	A/B				N	N	75'	-
	* <i>Populus tremuloides</i>	Quaking Aspen	A			X	Y	N	40'	-
	<i>Prunus emarginata var. mollis</i>	Bitter Cherry	A/B	X	X	X	Y	N	50'	-
* <i>Pseudotsuga menziesii</i>	Douglas Fir	B	X		X	Y	Y	200'	-	

Private Stormwater Facilities Plant List

	Botanic Name	Common Name	Zone	Swale	Planter	Basin	NW Native	Evergreen	Potential Height	O.C. Spacing
Trees	<i>*Quercus bicolor</i>	Swamp Oak	A/B				N	N	60'	-
	<i>*Quercus chrysolepis</i>	Canyon Live Oak	A/B				Y	Y	40'	-
	<i>*Quercus garryana</i>	Oregon White Oak	B	X		X	Y	N	100'	-
	<i>*Quercus phellos</i>	Willow Oak	A/B				N	N	90'	-
	<i>*Quercus wislizenii</i>	Interior Live Oak	A/B				N	Y	70'	-
	<i>Salix hookeriana</i>	Hooker's Willow	A/B	X	X	X	Y	N	15'	-
	<i>Salix scouleriana</i>	Scouler's Willow	A/B	X	X	X	Y	N	15'	-
	<i>*Taxodium distichum</i>	Bald Cypress	A/B				N	N	100'	-
	<i>*Thuja plicata</i>	Western Red Cedar	A			X	Y	Y	150'	-
	<i>*Thuja plicata 'Hogan'</i>	Hogan Western Red Cedar	A/B				Y	Y	50'	-
	<i>*Tsuga heterophylla</i>	Western Hemlock	A	X		X	Y	Y	125'	-
	<i>Salix exigua var. Columbiana</i>	Columbia Willow	A/B	X	X	X	Y	N	13'	-
	<i>Salix lasiandra var. lasiandra</i>	Pacific Willow	A	X	X	X	Y	N	13'	-

*These plants are also listed in the Bureau of Development Services [Tree and Landscaping Manual Suggested Plant List](#) and may be appropriate for meeting screening requirements.

Grassy Swale Native Seed Mix

This is a recommended mix, but other mixes are also permitted. Percentages are by weight, 90% PLS (pure live seed):

- Hordeum brachyantherum* (Meadow Barley) = 25%
- Danthonia californica* (California Oat-grass) = 15%
- Elymus glaucus* (Blue Wild Rye) = 10%
- Bromus carinatus* (California Brome) = 10%
- Festuca romerii* (Roemer's fescue) = 10%
- Deschampsia cespitosa* (Tufted hairgrass) = 10%
- Agrostis exarata* (Spike bentgrass) = 10%
- Alopecurus geniculatus* (Water foxtail) = 5%
- Deschampsia elongata* (Slender hairgrass) = 5%