

IMPORTANT NOTE: Only plants from this list should be added to vegetated LID features. If your project includes corrective actions involving planting, please choose species from this list. Any desired variances need approval from the Regional Water Quality Control Board. The City can conduct a site visit with you to discuss your specific site if you are unsure what to plant. If you do not have corrective actions involving plant installation, then this list is included for your reference for any future infill planting of the LID feature.

Vegetated LID features should have a minimum of 50% vegetative cover at maturity (usually about 3 years after installation). While trees are valuable in LID features and the broader landscape for many reasons, trees do not count towards the 50% vegetative cover. Only plants on the Grasses and Grass-like Plants, Herbaceous Plants, and Shrubs list below count towards total vegetative cover.

Botanical Name	Common Name	LID Feature Suitability												Other Notes
		Low Zone (Riparian)	Mid Zone (Meadowland)	High Zone (Upland)	Vegetated Swales	Bioretention	Extended Detention Basin	Vegetated Buffer	Constructed Wetland	Tolerates Saturation	Drought Tolerant	WUCOLS (IV)	Likely WUCOLS if not rated	
Grasses and Grass-like Plants														
<i>Agrostis exarata</i>	spike bentgrass		X	X	Yes		Yes	Yes				NR	M	
<i>Alopecurus aequalis</i>	short awn foxtail	X	X		Yes		Yes					NR	M	
<i>Alopecurus saccatus</i>	Pacific foxtail	X	X		Yes		Yes					NR	M	
<i>Bromus carinatus</i>	California brome		X	X	Yes	Yes		Yes				NR	L	
<i>Carex barbarae</i>	Santa Barbara sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes	Yes	M		Not for full sun
<i>Carex brevicaulis</i>	short stem sedge		X	X	Yes	Yes	Yes	Yes		Yes		M		Short turf-like growth habit
<i>Carex densa</i>	dense sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Carex deweyanna</i>	Dewey sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Carex divulsa</i>	Berkeley sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes	Yes	M		Not a native. Mistakenly sold as the native <i>C. tumulicola</i>
<i>Carex obnupta</i>	slough sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Carex pansa</i>	California meadow sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Carex rupestris</i>	curly sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Carex stipata</i>	sawbeak sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Carex subfusca</i>	rusty sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Carex testacea</i>	New Zealand orange sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Carex tumulicola</i>	foothill sedge	X	X	X	Yes	Yes	Yes	Yes	Yes	Yes	Yes	L		
<i>Carex vesicaria</i>	inflated sedge	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Danthonia californica</i>	California oatgrass		X	X	Yes		Yes	Yes				M		
<i>Deschampsia danthonoides</i>	annual hairgrass		X	X	Yes	Yes	Yes	Yes	Yes	Yes		NR	L	Can tolerate saturation if top soil layer drains
<i>Deschampsia cespitosa</i>	tufted hairgrass		X	X	Yes	Yes	Yes	Yes	Yes	Yes		L		Can tolerate saturation if top soil layer drains
<i>Distichlis spicata</i>	salt grass	X	X		Yes		Yes	Yes	Yes			L		
<i>Eleocharis acicularis</i>	needle spike rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		H		
<i>Eleocharis macrostachya</i>	creeping spike rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		H		
<i>Eleocharis ovata</i>	ovate spike rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		H		
<i>Eleocharis palustris</i>	creeping spike rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		H		
<i>Elymus glaucus</i>	blue wild rye		X	X	Yes	Yes	Yes	Yes	Yes	Yes	Yes	L		
<i>Elymus triticoides</i>	creeping wild rye		X	X	Yes	Yes	Yes	Yes	Yes	Yes	Yes	L		Synonym: <i>Leymus triticoides</i>
<i>Festuca californica</i>	California fescue			X	Yes	Yes	Yes	Yes		Yes		L		Can tolerate saturation if top soil layer drains
<i>Festuca idahoensis</i>	blue bunchgrass			X	Yes	Yes	Yes	Yes	Yes	Yes	Yes	VL		Can tolerate saturation if top soil layer drains
<i>Festuca rubra</i>	red fescue			X	Yes	Yes	Yes	Yes	Yes	Yes	Yes	L		Can be mowed as turf alternative. Can tolerate saturation if top soil layer drains
<i>Glyceria occidentalis</i>	western mannagrass	X	X		Yes	Yes	Yes	Yes	Yes	Yes	Yes	NR	H	
<i>Hordeum brachyantherum</i>	meadow barley		X	X	Yes	Yes	Yes	Yes	Yes			NR	L	Can tolerate saturation if top soil layer drains
<i>Juncus balticus</i>	Baltic rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		NR	M	
<i>Juncus bufonis</i>	toad rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		NR	M	
<i>Juncus effusus</i>	Pacific rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		M		

Botanical Name	Common Name	Low Zone (Riparian)	Mid Zone (Meadowland)	High Zone (Upland)	Vegetated Swales	Bioretention	Extended Detention Basin	Vegetated Buffer	Constructed Wetland	Tolerates Saturation	Drought Tolerant	WUCOLS	Likely WUCOLS if not rated	Other Notes
<i>Juncus ensofolius</i>	dagger leaf rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		NR	M	
<i>Juncus patens</i>	blue rush	X	X	X	Yes	Yes	Yes	Yes	Yes	Yes	Yes	L		May not need summer irrigation after establishment
<i>Juncus tenuis</i>	slender rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		NR	M	
<i>Juncus xiphiodes</i>	iris-leaved rush	X	X		Yes	Yes	Yes	Yes	Yes	Yes		NR	M	
<i>Melica californica</i>	California melic			X	Yes	Yes	Yes	Yes	Yes	Yes		NR	L	Low or very low water use in other regions
<i>Melica imperfecta</i>	small flowered melic			X	Yes	Yes	Yes	Yes	Yes	Yes		VL		Can tolerate saturation if top soil layer drains
<i>Muhlenbergia rigens</i>	deergrass			X	Yes	Yes	Yes	Yes	Yes	Yes		L		
<i>Phalaris californica</i>	California canary grass	X	X	X	Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Pleuropogon californicus</i>	semaphore grass	X	X		Yes			Yes				NR	H	
<i>Schoenoplectus americanus</i>	three square	X				Yes		Yes	Yes			NR	H	
<i>Schoenoplectus californicus</i>	California bulrush	X				Yes		Yes	Yes			NR	H	
<i>Stipa lepida</i>	foothill needlegrass			X	Yes		Yes	Yes			Yes	VL		Synonym: <i>Nassella lepida</i>
<i>Stipa pulchra</i>	purple needlegrass			X	Yes		Yes	Yes			Yes	VL		Synonym: <i>Nassella pulchra</i>
<i>Typha angustifolia</i>	narrowleaf cattail	X				Yes		Yes	Yes			NR	H	
<i>Typha latifolia</i>	cattail	X				Yes		Yes	Yes			NR	H	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> <p>Low Zone (Riparian)</p> <p>Mid Zone (Meadowland)</p> <p>High Zone (Upland)</p> <p>Vegetated Swales</p> <p>Bioretention</p> <p>Extended Detention Basin</p> <p>Vegetated Buffer</p> <p>Constructed Wetland</p> <p>Tolerates Saturation</p> <p>Drought Tolerant</p> <p>WUCOLS</p> <p>Likely WUCOLS if not rated</p> </div> <div style="text-align: center;"> <p>Other Notes</p> </div> </div>														
Herbaceous Plants														
<i>Achillea millefolium</i>	CA Native cultivars			X	Yes	Yes				Yes		L		
<i>Achillea millefolium</i>	non-native cultivars			X	Yes	Yes						M		
<i>Aster sp.</i>	aster		X	X	Yes	Yes		Yes				M		
<i>Athyrium filix-femina</i>	lady fern		X	X	Yes	Yes		Yes				M		For use in shade only
<i>Blechnum spicant</i>	deer fern		X	X	Yes	Yes	Yes	Yes		Yes		L		For use in shade only
<i>Camassia leichtlinii</i>	camas lily	X	X		Yes	Yes	Yes					NR	M	
<i>Camassia quamash</i>	common camas	X	X		Yes	Yes	Yes					M		
<i>Epilobium canum</i>	California fuschia			X	Yes	Yes		Yes*		Yes		L		
<i>Eriogonum fasciculatum</i>	flattop buckwheat			X	Yes	Yes				Yes		L		
<i>Eschscholzia californica</i>	California poppy			X	Yes	Yes				Yes		VL		
<i>Fragaria chiloensis</i>	beach strawberry			X	Yes	Yes		Yes	Yes	Yes		M		
<i>Iris douglasiana</i>	Douglas iris		X	X	Yes	Yes		Yes	Yes	Yes		L		
<i>Lupinus bicolor</i>	miniature lupine			X	Yes	Yes		Yes	Yes	Yes		NR	L	Tolerates saturation in winter only
<i>Lupinus polyphyllus</i>	large leaf lupine		X	X	Yes	Yes		Yes	Yes	Yes		H		similar to Russell hybrids
<i>Mimulus guttatus</i>	seep monkey flower	X	X		Yes	Yes		Yes	Yes			H		
<i>Polypodium californicum</i>	California polypody		X	X	Yes	Yes		Yes		Yes		VL		
<i>Polypodium glycyrrhiza</i>	licorice fern		X	X	Yes	Yes		Yes		Yes		NR	L	
<i>Polystichum californicum</i>	California sword fern	X	X	X	Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Polystichum munitum</i>	western sword fern	X	X	X	Yes	Yes	Yes	Yes	Yes	Yes		M		
<i>Pteridium aquilinum</i>	bracken fern		X	X	Yes	Yes	Yes					NR	M	
<i>Sisyrinchium bellum</i>	blue-eyed grass			X	Yes	Yes		Yes	Yes	Yes		VL		
<i>Sisyrinchium californicum</i>	yellow-eyed grass		X	X	Yes	Yes		Yes	Yes	Yes		M		
<i>Veronica liwanensis</i>	speedwell			X	Yes	Yes		Yes				M		

Botanical Name	Common Name	Water Use Categories											Other Notes	
		Low Zone (Riparian)	Mid Zone (Meadowland)	High Zone (Upland)	Vegetated Swales	Bioretention	Extended Detention Basin	Vegetated Buffer	Constructed Wetland	Tolerates Saturation	Drought Tolerant	WUCOLS		Likely WUCOLS if not rated
Shrubs														
<i>Acmispon glaber</i>	deerweed			X	Yes	Yes		Yes			Yes	VL		Formerly known as <i>Lotus scoparius</i>
<i>Amelanchier alnifolia</i>	western serviceberry											M		
<i>Arctostaphylos manzanita</i>	common manzanita			X		Yes		Yes			Yes	VL		Hybrids are considered low water-use
<i>Arctostaphylos uva-ursi</i>	manzanita 'Emerald Carpet'			X		Yes					Yes	L		
<i>Baccharis pillularis</i>	coyote brush		X	X	Yes	Yes		Yes			Yes	L		
<i>Baccharis salicifolia</i>	mulefat		X	X	Yes	Yes	Yes	Yes	Yes	Yes	Yes	L		
<i>Berberis aquifolium</i>	Oregon grape		X	X	Yes	Yes	Yes	Yes				M		Variety repens is considered low water-use
<i>Berberis pinnata</i>	California barberry			X	Yes	Yes	Yes	Yes			Yes	L		Formerly known as <i>Mahonia pinnata</i>
<i>Calycanthus occidentalis</i>	Western spicebush		X	X	Yes	Yes		Yes		Yes	Yes	L		
<i>Ceanothus sp</i>	California lilac			X	Yes			Yes			Yes	L		Most species and cultivars ore considered low water-use
<i>Cercis occidentalis</i>	redbud			X	Yes			Yes			Yes	VL		
<i>Cornus sp</i>	dogwood		X	X	Yes	Yes	Yes	Yes		Yes	Yes	M		
<i>Cornus sericea</i>	dogwood		X	X	Yes	Yes	Yes	Yes		Yes		H		
<i>Cornus stolonifera</i>	redtwig dogwood		X		Yes	Yes	Yes	Yes		Yes		H		
<i>Frangula californica</i>	coffee berry			X	Yes			Yes			Yes	L		Also known as <i>Rhamnus californica</i>
<i>Hebe 'Autumn Glory'</i>	hebe		X	X	Yes	Yes		Yes				M		
<i>Heteromeles arbutifolia</i>	toyon		X	X	Yes	Yes		Yes		Yes	Yes	L		
<i>Holodiscus discolor</i>	ocean spray			X	Yes	Yes		Yes			Yes	L		
<i>Lonicera involucrata</i>	twinberry			X	Yes	Yes					Yes	L		similar to <i>L. hispidula</i>
<i>Mimulus aurantiacus</i>	sticky monkey flower		X	X	Yes	Yes	Yes	Yes		Yes		VL		
<i>Mimulus cardinalis</i>	scarlet monkey flower		X	X	Yes	Yes	Yes	Yes		Yes	Yes	L		
<i>Morella californica</i>	wax myrtle			X	Yes	Yes		Yes			Yes	M		Formerly known as <i>Myrica californica</i>
<i>Oemleria cerasiformis</i>	Indian plum		X	X	Yes	Yes		Yes				M		
<i>Philadelphus lewisii</i>	mock orange		X	X	Yes	Yes		Yes				M		
<i>Philadelphus mexicanus</i>	evergreen mock orange		X	X	Yes	Yes		Yes				L		
<i>Physocarpus capitatus</i>	Pacific ninebark		X	X	Yes	Yes		Yes		Yes	NR	L		
<i>Ribes aureum</i>	golden currant		X	X	Yes			Yes			Yes	L		
<i>Ribes sanguineum</i>	red flowering currant		X	X	Yes			Yes			Yes	L		
<i>Rosa californica</i>	California wild rose		X	X	Yes	Yes		Yes			Yes	L		
<i>Rosa nutkana</i>	Nootka rose		X	X	Yes	Yes		Yes			Yes	L		
<i>Rosemarinus officinalis</i>	rosemary			X	Yes			Yes*			Yes	L		
<i>Rubus ursinus</i>	California blackberry		X	X	Yes			Yes			Yes	L		
<i>Salvia clevelandii</i>	Cleveland sage			X	Yes			Yes*			Yes	L		
<i>Sambucus cerulea</i>	blue elderberry		X	X	Yes	Yes	Yes	Yes		Yes	Yes	L		
<i>Sambucus mexicana</i>	western elderberry		X	X	Yes	Yes	Yes	Yes		Yes	Yes	L		
<i>Sambucus racemosa</i>	red elderberry		X	X	Yes	Yes	Yes	Yes		Yes	Yes	L		
<i>Spirea douglasii</i>	Douglas spirea				Yes	Yes		Yes			Yes	M		
<i>Symphoricarpos albus</i>	snowberry		X	X	Yes	Yes	Yes	Yes		Yes	Yes	M		For use in shade only
<i>Viburnum edule</i>	highbush cranberry	X	X	X	Yes	Yes	Yes	Yes		Yes	Yes	NR	L	

Botanical Name	Common Name												Other Notes	
		Low Zone (Riparian)	Mid Zone (Meadowland)	High Zone (Upland)	Vegetated Swales	Bioretention	Extended Detention Basin	Vegetated Buffer	Constructed Wetland	Tolerates Saturation	Drought Tolerant	Street Tree		WUCOLS
Trees														
<i>Acer buergerianum</i>	Trident maple			X	Yes			Yes				Yes	M	2-3' planter
<i>Acer campestre</i>	Hedge maple			X	Yes			Yes				Yes	M	2-3' planter
<i>Acer circinatum</i>	vine maple	X	X	X	Yes	Yes		Yes		Yes		No	M	
<i>Acer davidii</i>	David's maple			X	X	Yes	Yes	Yes		Yes		Yes	M	2-3' planter
<i>Acer fremanii</i>	Freeman's maple			X	Yes	Yes		Yes			Yes		M	5-6' planter
<i>Acer ginnala</i>	Amur maple			X	Yes	Yes		Yes			Yes		M	2-3' planter
<i>Acer macrophyllum</i>	Big leaf maple			X	Yes	Yes		Yes		Yes		No	M	
<i>Acer pseudoplatanus</i>	Sycamore maple			X	Yes	Yes		Yes			Yes		M	5-6' planter
<i>Acer rubrum</i>	Red maple			X	Yes	Yes		Yes			Yes		M	3-4' planter
<i>Acer negundo 'Fleming'</i>	flamingo box eder			X	Yes	Yes		Yes			Yes		M	2-3' planter
<i>Aesculus californica</i>	California buckeye		X	X	Yes	Yes	Yes	Yes		Yes	Yes	Yes	VL	8' planter
<i>Aesculus carnea</i>	Red horsechestnut			X	Yes	Yes		Yes			Yes		M	4-5' planter
<i>Alnus cordata</i>	Italian alder			X	Yes	Yes		Yes				Yes	M	?
<i>Carpinus betulus</i>	various cultivars			X	Yes	Yes		Yes				Yes	M	3-4' planter
<i>Cercis canadensis</i>	eastern redbud			X	Yes	Yes		Yes				Yes	M	2-3' planter
<i>Cercis canadensis 'texensis'</i>	Texas redbud			X	Yes	Yes		Yes			Yes	Yes	M	2-3' planter
<i>Cercis occidentalis</i>	western redbud			X	Yes	Yes		Yes			Yes	Yes	VL	2-3' planter
<i>Crataegus phaenopyrum</i>	Washington thorn			X	Yes	Yes		Yes			Yes		M	possibly invasive
<i>Fraxinus latifolia</i>	Oregon ash	X	X		Yes	Yes	Yes	Yes	Yes	Yes		Yes	M	
<i>Magnolia grandiflora</i>	Little gem' or 'St. Mary'			X	Yes	Yes		Yes				Yes	M	3-4' planter
<i>Magnolia grandiflora</i>	Samuel Somner' or 'Russet'			X	Yes	Yes		Yes				Yes	M	6-8' planter
<i>Metasequoia glyptostroboides</i>	Dawn redwood		X	X	Yes	Yes		Yes			Yes		H	8' planter only
<i>Populus fremontii</i>	Fremont's cottonwood	X	X	X	Yes	Yes		Yes				Yes?	M	8' planter only
<i>Pyrus calleryana</i>	Flowering pear			X	Yes	Yes		Yes			Yes		M	need to specify varieties
<i>Quercus agrifolia</i>	Coast live oak			X	X	Yes	Yes	Yes			Yes		VL	8' planter only
<i>Quercus garyana</i>	Oregon white oak		X	X				Yes		Yes	Yes	No	L	
<i>Quercus lobata</i>	Valley oak			X	X	Yes	Yes	Yes		Yes	Yes	Yes	L	8' planter only
<i>Quercus suber</i>	Cork oak			X	Yes	Yes		Yes		Yes	Yes	Yes	L	6-8' planter
<i>Salix laevigata</i>	Red willow	X	X	X	Yes	Yes		Yes		Yes	Yes	No	H	
<i>Salix lasiolepis</i>	Arroyo willow	X	X	X	Yes	Yes		Yes		Yes	Yes	No	H	
<i>Salix lucida ssp. lasiandra</i>	Shining willow	X	X	X	Yes	Yes		Yes		Yes	Yes	No	H	
<i>Washingtonia robusta</i>	Mexican fan palm			X	X	Yes	Yes	Yes			Yes	Yes	L	5-6' planter, possibly other species should be explored