

Notes		Minimum setbacks (unless stated otherwise)				Specific locations and functions											Irrigation requirements			
<p>+ Coastal areas are west of Marmion Ave.</p> <p>+ Dept. of Environment EPBC conditions that stipulate specific species take precedence over this list.</p> <p>* Indicates species that are locally native to the City of Wanneroo.</p>		<p>1m from kerb</p> <p>1.5 m from crossovers</p> <p>2.5m from light poles</p> <p>2.5m from walls</p> <p><b>Standard verge widths</b></p> <p>Arterials and local streets without shared path: 4.5m</p> <p>Arterials and local streets with shared path: 6.5m</p>				<p><b>B</b> Buffer zones: located on Primary Distributors and Integrator arterial A verges and medians. Function is for noise and wind attenuation + visual screening. Local species preferred to provide habitat green link.</p> <p><b>BRA</b> Bio-retention area (verge) suitable.</p> <p><b>CP</b> Car parks</p> <p><b>D</b> Deciduous species</p> <p><b>FT</b> Feature trees that are distinctive in size and appearance. Feature trees also improve legibility of the landscape.</p> <p><b>POS 1</b> Public Open Space: in turf (summer irrigation)</p> <p><b>POS 2</b> Public Open Space: in garden beds (dry initially or dry after establishment)</p> <p><b>RAB</b> Roundabouts, medians and public access ways</p> <p><b>RC</b> Retail + commercial precincts, (irrigation from mains)</p> <p><b>SB</b> Stormwater basins</p>											<p>1 Able to survive after winter planting.</p> <p>2 Able to survive after 2 years establishment irrigation.</p> <p>3 Summer irrigation preferred after 2 years establishment irrigation.</p> <p>4 Requires summer irrigation long term.</p>			
		Botanical name	Common name	Height range (m)	Canopy spread (m)	Origin	Suitable for coastal areas	Verge width		Specific locations										
						6.5 m	4.5 m	B	BRA	CP	D	FT	POS 1	POS 2	RAB	RC	SB			
<i>Agonis flexuosa</i>	WA Peppermint	8m	6m	WA	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	2		
<i>Allocasuarina fraseriana</i>	Common Sheoak	8m	8m	WA *	✓			✓		✓			✓	✓	✓			1	Typically used in conservation areas near wetlands and coast. Roots often sucker and are invasive, therefore is not suitable as a street tree.	
<i>Allocasuarina fraseriana</i>	Common Sheoak	8m	8m	WA *	✓					✓			✓	✓	✓			2	Typically used in conservation areas near wetlands and coast. Roots often sucker and are invasive, therefore is not suitable as a street tree. Use in car parks subject to suitable specifications provided with submissions.	
<i>Araucaria columnaris</i>	Cook's Pine	30-50m	10-15m	ES	✓	✓						✓	✓	✓	✓	✓		4	Where used as street trees previously have reached only 10m.	

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<i>Araucaria cunninghamii</i>	Hoop Pine	30m	10m	QLD	✓			✓			✓	✓	✓	✓	✓		3	Setbacks: 10m from lot boundary, paths, walls structures and paving. 3.5m from back of kerb to centre/edge of mature trunk in medians
<i>Araucaria heterophylla</i>	Norfolk Island Pine	30m	15m	NSW	✓			✓			✓	✓	✓	✓	✓		2	Setbacks: 10m from lot boundary, paths, walls structures and paving. 3.5m from back of kerb to centre/edge of mature trunk in medians
<i>Banksia ashbyii</i>	Ashby's banksia	8m	5m	WA	✓			✓			✓	✓	✓				1	Setback a minimum of 5m from edge of turf to reduce impact of irrigation and fertilisers. Banksias are not suitable as a street tree due to dislike of fertiliser and irrigation and being unsuitable for formative pruning. Have important role in private lots, roundabouts, medians, and POS as nectar is important food source for native fauna.
<i>Banksia attenuata*</i>	Candle or Slender Banksia	10m	8m	WA *				✓		✓			✓	✓			1	Setback a minimum of 5m from edge of turf to reduce impact of irrigation and fertilisers. Refer note against B. Ashbyii.
<i>Banksia grandis*</i>	Bull Banksia	12m	5m	WA *				✓					✓	✓			1	Suitable in remnant vegetation areas. Slow growing. Setback a minimum of 5m from edge of turf to reduce impact of irrigation and fertilisers. Refer note against B. Ashbyii.
<i>Banksia ilicifolia</i> (prev. <i>Dryandra ilicifolia</i> )	Holly-Leaf Banksia	10m	8m	S/West WA	✓			✓					✓	✓			1	Setback a minimum of 5m from edge of turf to reduce impact of irrigation and fertilisers. Refer note against B. Ashbyii.
<i>Banksia littoralis*</i>	Swamp Banksia	8-12m	3-10m	WA *	✓			✓								✓	4	Requires summer irrigation long term. Refer note against B. Ashbyii.
<i>Banksia menziesii*</i>	Firewood Banksia	7m	8m	WA *	✓			✓		✓			✓	✓			1	Suitable in remnant vegetation areas. Slow growing. Setback a minimum of 5m from edge of turf to reduce impact of irrigation and fertilisers. Refer note against B. Ashbyii.

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<i>Banksia prionotes</i> *	Saw-toothed Banksia	5-10m	3-5m	WA *	✓			✓					✓	✓	✓			2	Suitable in remnant vegetation areas. Refer note against B. Ashbyii.
<i>Bauhinia blakeana</i>	Hong Kong Orchid Tree or Bauhinia	8m	6m	ASIA	✓	✓	✓		✓			✓	✓	✓	✓	✓		2	
<i>Bauhinia variegata</i>	Orchid Tree	8m	6m	ASIA	✓	✓	✓		✓			✓	✓	✓	✓	✓		2	
<i>Brachychiton acerifolia</i>	Illawarra Flame Tree	15m	15m	ES	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓		3	
<i>Brachychiton acerifolia x populneus</i>	Bella-donna	8m	4m	ES	✓	✓	✓		✓			✓	✓	✓	✓	✓		3	Minimum three years irrigation required to establish, then monitor progress.
<i>Brachychiton populneus</i>	Kurrajong	10m	4m	ES	✓		✓		✓			✓	✓	✓	✓	✓		2	Semi-deciduous.
<i>Callistemon 'KPS'</i>	Kings Park Special	5m	3-4m	WA	✓	✓	✓	✓	✓	✓		✓	✓	✓				2	
<i>Callistemon viminalis</i>	Weeping Bottlebrush	8m	4m	ES	✓	✓	✓	✓	✓	✓		✓	✓	✓				2	RAB: small roundabouts only so sightlines are maintained.
<i>Callitris preissii</i> *	Rottnest Island Pine	12m	6m	WA	✓			✓				✓	✓	✓				2	Suitable for remnant vegetation areas, and where screening is required.
<i>Casuarina equisetifolia</i>	Horsetail Sheoak	9m	6m	Asia Nth Aust	✓			✓				✓	✓	✓				2	Roots usually sucker and are also invasive, therefore is not suitable as a street tree. Setback a minimum of 2m from hard surfaces.
<i>Corymbia callophylla</i>	Marri	15m	8m	WA				✓				✓	✓	✓				2	Setback from kerbing and turf minimum 7m, as large fruit can be a trip and projectile hazard.
<i>Corymbia citriodora</i>	Lemon Scented Gum	30m	15m	ES								✓	✓					2	Setback from kerbs and turf a minimum of 10m as branches can drop suddenly. Is a potential weed, avoid planting near conservation areas.
<i>Corymbia ficifolia</i>	Red Flowering Gum	9m	4-6m	WA	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		2	Is increasingly subject to canker, and therefore is not suitable for avenue planting. When used as a street tree ensure is used in a mixed design, at a minimum of 1 in 3.
<i>Corymbia maculata</i>	Spotted Gum	22m	15m	NSW	✓	✓		✓		✓		✓	✓	✓	✓			2	Rated as a 'moderate' potential weed, avoid planting near conservation areas.
<i>Cupaniopsis anacardioides</i>	'Tuckeroo'	8m	6m	ES								✓	✓		✓			4	Recently used at Jindowie, Yanchep. Further trialling needed.

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<i>Delonix regia</i>	Poinciana	8m	6m	Madagascar							√	√	√			√	4	Needs trialing in coastal areas.
<i>Erythrina sykesii</i>	Coral Tree	15m	12m	ES	√	√	√		√		√	√	√	√	√		2	As at 2016 Lupa pest is causing extensive damage requiring treatment, hence its use in avenues needs to be done with caution. To limit sunburn ensure that 45l and above specimens are planted to same orientation as in nursery.
<i>Eucalyptus accedens</i>	Wandoo	10m	6m	WA									√				2	Not suitable on limestone. Trialling is needed to test viability elsewhere.
<i>Eucalyptus cladocalyx x nana</i>	Dwarf Bushy Sugar Gum	8m	4m	ES	√	√	√		√				√				2	
<i>Eucalyptus decipiens*</i>	Limestone Marlock, Redheart Moit	6m	3-5m	WA *	√		√	√					√	√	√		1	Heavy foliage means good shade potential.
<i>Eucalyptus drummondii</i>	Drummond's Gum	8m	4m	WA	√		√	√					√	√	√		1	Mallee form.
<i>Eucalyptus erythrocorys</i>	Illyarrie	7m	5m	WA	√			√				√	√	√	√	√	1	Locate minimum 3m from paths, due to large fruit being potential trip hazard.
<i>Eucalyptus erythronema</i>	Red Flowered Mallee	4-9m	4-7m	WA	√			√				√	√	√	√	√	1	Low damage potential to infrastructure from roots.
<i>Eucalyptus forrestiana</i>	Fuchsia Gum	4m	4m	WA	√		√	√	√			√	√	√	√	√	1	Mallee. Formative pruning required.
<i>Eucalyptus gomphocephala</i>	Tuart	20m	10m	WA	√	√		√				√	√	√	√		1	Ensure a minimum of 2m from footpaths and kerbs and minimum setback 6m from buildings.
<i>Eucalyptus grandis</i>	Rose Gum	25m		NSW							√		√				1	While is in turf in POS in older parks, preference is that it is located in POS garden bed with setback a minimum 10m from turf edge, as limbs drop randomly.
<i>Eucalyptus lehmannii</i>	Bushy Yate	6m	4m	WA	√			√					√	√			1	Mallee. Needs training to reach suitable shape. Shallow rooted, tend to blow over in karst areas.
<i>Eucalyptus leucoxyloides</i>	'Rosea' Yellow Gum	10m	7m	SA/Vic	√	√	√	√	√		√		√	√	√		2	Can drop limbs as they mature when heavily fruited and flowering due to weight at apical sections.
<i>Eucalyptus loxophleba</i>	York Gum	5-15m	10m	WA		√	√	√	√	√			√	√			1	

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<i>Eucalyptus marginata*</i>	Jarrah	10-35m	35m	WA *		√	√	√	√			√	√	√			1	Might be more resilient to water moulds on drier Cottesloe and Karrakatta soils. (Powell, 2009)	
<i>Eucalyptus nicholii</i>	Willow Leaf Peppermint	12m	12m	ES		√	√	√	√	√			√	√			2	Fast growing	
<i>Eucalyptus occidentalis</i>	Swamp Mallet, Flat Topped Yate	15m	8m	WA		√	√	√	√	√		√	√	√		√	1		
<i>Eucalyptus platyusplatypus</i>	Round Leaved Moort	8m	8m	WA	√			√					√	√			1	Readily blows over in storms when established. Also susceptible to termites.	
<i>Eucalyptus rudis</i>	Flooded Gum	15m	12m	WA				√				√	√	√		√	3		
<i>Eucalyptussalmonophloia</i>	Salmon gum	20m	8m	WA		√						√	√	√			1		
<i>Eucalyptus scoparia</i>	Wallangarra White Gum	8-12m	6-10m	ES		√	√		√	√			√	√	√		2		
<i>Eucalyptussideroxylon 'Rose'</i>	Red Ironbark gum	10-30m	5-15m	ES		√				√			√	√	√	√	2	Wide variety of shape and performance.	
<i>Eucalyptus spathulata</i>	Swamp Mallee	6-10m	8m	WA			√	√					√	√			2	Multi trunked, suits garden beds. Needs formative pruning. Also susceptible to termites.	
<i>Eucalyptus synandra</i>	Jingymia Mallee	5m	3m	WA	√			√				√	√	√	√		2	Mallee form.	
<i>Eucalyptus todiana</i>	Pricklybark, Coastal Blackbutt	5-15m	5-10m	WA		√	√	√	√	√		√	√	√	√			Performs best on Bassendean soils.	
<i>Eucalyptus torquata</i>	Coral Gum, Coolgardie Gum	5-10m	4-8m	WA	√		√	√	√				√	√	√		2	Needs training to reach suitable shape. Shallow rooted, tend to blow over in karst areas.	
<i>Eucalyptus 'Torwood'</i>	Hybrid Coral Gum	5-8m	6-8m	WA			√	√	√				√	√	√	√	2	Attractive small tree.	
<i>Eucalyptus victrix</i>	Coolibah	7m	6m	WA (Nth)	√	√	√	√				√		√	√		1	Attractive small tree with white trunk.	
<i>Eucalyptus utilis</i> (prev <i>Eucalyptus platypus heterophylla</i> )	Coastal Moort	8m	5m	WA	√			√						√	√		1	Tends to blow over in karst areas. If adjacent to conservation areas it could seed.	

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<i>Eucalyptus woodwardii</i>	Lemon Flowered Gum	12m	8m	WA		√	√	√	√		√	√	√				2	Not common in the City. As it is drought tolerant it should do well.	
<i>Ficus microcarpa hillii</i>	Hill's Weeping Fig	8-12m	5-10m	ES	√			√			√	√	√		√		3		
<i>Ficus macrophylla</i>	Moreton Bay Fig	15-35m	15-25m	ES	√			√			√	√	√				3		
<i>Ficus rubiginosa</i>	Port Jackson Fig	25m	20m	ES	√			√			√	√	√				3		
<i>Fraxinus griffithii</i>	Evergreen Ash, Flowering Ash	8m	8m	Asia				√				√	√		√		4	Requires a lot of water to perform.	
<i>Gleditsia tricanthos cultivars</i>	Honey Locust	25m	20m	USA				√		√		√	√		√		3	Not suitable as a street tree due to need for summer irrigation and propensity to sucker. Rated as a 'low' potential weed by DPaW: avoid planting near bushland areas.	
<i>Hakea laurina</i>	Pin Cushion Hakea	6m	4m	WA				√	√	√	√	√	√		√	√	2	Comparatively short life span makes this unsuitable as a street tree.	
<i>Harpephyllum caffrum</i>	Kaffir Plum Natal Plum	12m	15m	S Afr		√	√	√	√		√	√	√	√	√		2	Fruiting tree.	
<i>Hibiscustiliaceus rubra</i>	Cottonwood	8m	5m	Aust				√			√	√	√		√		4		
<i>Hymenosporum flavum</i>	Native Frangipani	8m	5m	ES		√	√	√	√		√	√	√	√	√		3	Copes in hardstand if watered. Needs summer water to establish	
<i>Jacaranda mimosifolia</i>	Jacaranda	15m	12m	Brazil				√		√	√	√	√		√		4	Takes approx. 15 years to establish.	
<i>Lagerstroemia indica</i>	Crepe Myrtle	7m	5m	China			√	√	√	√	√	√	√		√		4		
<i>Liquidambarstyraciflua</i>	Liquid Ambar Sweet Gum	25m	12m	USA				√			√	√	√		√		4	Large attractive shade tree. Prefers moist deep soil. Requires large area to grow. Setback minimum 10m from lot boundaries, and 3.5m from sewers.	
<i>Lophostemon confertus</i>	Queensland Brush Box	15m	12m	ES				√			√	√	√		√		4	Small fruit is sharp underfoot, so not suitable in turf. Locate next to turf where water supply is available. Used extensively throughout Perth as a street tree, typically top pruned when under power lines. If not pruned it is a tall dense canopied attractive tree.	

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<i>Macadamia integrifolia</i>	Macadamia	10m	10m	Qld															4	
<i>Magnolia grandiflora</i>	Southern Magnolia	10m	8m	USA															4	Suitable for roundabouts if establishment period is 5 years.
<i>Melaleuca argentea</i>	Silver Cadjeput	8m	5m	WA	✓		✓		✓				✓	✓	✓	✓	✓		2	Not widely used or available. Trialed at Kings Park, worth considering.
<i>Melaleuca ericifolia</i>	Swamp Paperbark	5-8m	3-6m	ES	✓		✓		✓	✓			✓	✓	✓	✓	✓	✓	1	
<i>Melaleuca lanceolata*</i>	Rottneest Island Tea Tree	6m (single) 10m (clump)	5m	WA *	✓	✓	✓	✓	✓				✓	✓	✓		✓	✓	1	In natural habitat is multi-stemmed, is only suitable as street tree if single stem specimens are selected with formative pruning in early years.
<i>Melaleuca leucadendron</i>	Weeping Paperbark, Cajeput Tree	12m	6m	Nth Aust		✓	✓						✓				✓		4	Waterlogged soil tolerant.
<i>Melaleuca linariifolia</i>	Flax Leafed Paperbark, Snow in Summer	8m	6m	ES			✓	✓		✓				✓			✓		3	
<i>Melaleuca preissiana</i>	Modong, Stout Paperbark	6-10m	3-5m	WA			✓	✓	✓					✓			✓	✓	3	Waterlogged soil tolerant.
<i>Melaleuca quinquenervia</i>	Broad Leaf Paperbark	10m	8m	QLD	✓					✓			✓	✓	✓	✓	✓		2	Roots tend to mass and damage infrastructure. Ensure minimum of 5m from built structures. Ensure root barriers are used if used as a street tree.
<i>Melaleuca raphiophylla</i>	Moonah, Swamp Paperbark	7-10m	4-6m	WA				✓	✓				✓					✓	3	Occurs naturally along watercourses, next to swamps.
<i>Melaleuca viridiflora</i>	Broad Leaf Paperbark	8m	5m	WA	✓		✓	✓	✓	✓			✓	✓	✓	✓	✓		1	
<i>Metrosideros excelsa</i>	NZ Christmas Tree	8m	6m	NZ	✓		✓	✓	✓				✓	✓	✓	✓	✓		3	Tolerates partial shade.
<i>Morus nigra</i>	Mulberry	10m	10m	Asia	✓						✓	✓	✓						3	Not affected by fruit fly, and grows quickly. Ensure within garden bed and set back minimum 5m from paths, or plant in turf with mulch underneath, with line to tree.

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<i>Olea europaea</i>	Olive "Swan Hill"	7m	5m	Europe	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	2	The Olive has cultural significance in the City from its use by early settlers. Use sterile variety for street tree use only. Rated as a 'moderate' potential weed by DPaW: avoid planting near bushland areas.
<i>Phoenix canariensis</i>	Canary Island Date Palm	13m	9m	Canary Is	✓						✓	✓	✓	✓				2	Minimum 2m setback from kerb edge. Access for maintenance is required.
<i>Platanus x acerfolia</i>	London Plane	18-24m	10-15m	Europe						✓		✓	✓	✓	✓			3	Causes allergic reactions to some, so not recommended for schools or day care areas.
<i>Platanus orientalisdigitata</i>	Cut leaf Plane	10-12m	6-8m	Asia						✓		✓	✓	✓	✓			3	Not as vigorous as London Plane. Leaves break down quicker than London Plane.
<i>Podocarpus elatus</i>	Illawarra Plum, Brown Pine Plum	5-30m	10-15m	ES						✓	✓	✓	✓	✓	✓			3	Needs setback from footpaths as fruit will drop from female trees.
<i>Pyrus calleryana</i>	Various cultivars	9-14m	5-10m	Asia						✓	✓	✓	✓	✓	✓			4	
<i>Pyrus ussuriensis</i>	Manchurian Pear	10m	6m	Asia						✓	✓	✓	✓	✓	✓			4	
<i>Quercus suber</i>	Cork Oak	8m	5m	Europe						✓		✓	✓	✓	✓				
<i>Tipuana tipu</i>	Tipuana, Pride of Bolivia	10-12m	9m	Bolivia	✓					✓		✓	✓	✓	✓	✓		3	5 years irrigation needed to establish. Fast growing. Setback minimum of 3m from kerb and crossovers as superficial roots tend to heave.
<i>Triadica sebifera</i> (prev. <i>Sept</i> )	Chinese Tallow	10m	8m	China						✓		✓	✓	✓	✓			4	