

Sch 6.2.2 Planning Scheme Policy 2 - Landscape Design



SC6.2.2.1 Introduction

(1) Title

This planning scheme policy may be cited as Planning Scheme Policy 2 - Landscape Design.

(2) Purpose of this Planning Scheme Policy

- (a) The purpose of this planning scheme policy is to ensure that development complies with the local government's standards for the planning, design, location and construction of landscaping that addresses landscape outcomes by:
 - (i) identifying the differing standards for each of the landscape types;
 - (ii) specifying landscape design requirements;
 - (iii) specifying appropriate tree species;
 - (iv) providing typical designs of landscapes.

(3) Structure of this Planning Scheme Policy

- (a) This planning scheme policy is divided into four parts, being:
 - (i) Part 1 Introduction Section 1
 - (ii) Part 2 Typical Landscape Designs Section 2
 - (iii) Part 3 General Design Guidelines Sections 3-19
 - 1) Design Guidelines for Development
 - 2) Understorey
 - 3) Wet Areas
 - 4) Planting to Restore Habitat
 - 5) Planting Size
 - 6) Layout Plant Density and Grouping



- 7) Design for Low Maintenance
- 8) Planting in Vicinity of Sewers and Manholes
- 9) Preparation of Garden Beds For Public Land Including Road Reserves and Parks
- 10) Planting Procedures
- 11) Mulch Types
- 12) Soil Nutrients and Fertilising
- 13) Water Crystals
- 14) Watering Systems
- 15) Watering Plants
- 16) Staking of Trees
- 17) Establishment
- 18) Plant Species Selection
- 19) Climate Control and Energy Efficiency
- (iv) Part 4 Preferred Landscape Species.

(4) Commencement

This planning scheme policy commences on the date of the Scenic Rim Planning Scheme.

(5) Relationship to the Planning Act 2016

This planning scheme policy is made pursuant to the *Planning Act 2016*.

(6) Applicability of this Planning Scheme Policy

This planning scheme policy applies to assessable development.

(7) Relationship to Other Legislation and Standards

This Policy must be read in conjunction with Council's Planning Scheme, statutory requirements including Council Local Laws, the Act and other references/standards as detailed herein.

(8) Referenced Documents

Any non-local government publication referenced must be sourced directly.

(9) Reference to Policy

The term *Policy*, when used herein, refers to Planning Scheme Policy 2 - Landscape Design.

(10) **Terminology**

Terms used in the Policy are defined in Schedule 1 - Definitions.

SC6.2.2.2 Typical Landscape Designs

SC6.2.2.2.1 Aesthetic Landscaping:

a) reduces the visibility of structures by a minimum of 20% at maturity



- b) increases the aesthetic value of the site. Landscaping should highlight positive aspects of structures while reducing visibility other areas such as car parks, outdoor storage or the like
- uses a variety of vegetation types including turf, ground covers, dwarf shrubs, trees 3-5m in height and landscape trees. In combination, the vegetation is to provide continuous landscaping for the specified area, using intermittent landscape trees supported by dense low level landscapes
- d) can incorporate embellishments such as outdoor seating and public art
- e) unless otherwise specified, is located between the development and:
 - roads and public places;
 - a sensitive land use
- f) incorporates a minimum width of 1 metre unless otherwise specified by a code or development approval condition.



TYPICAL AESTHETIC LANDSCAPE DESIGN

Figure 20.a Typical Aesthetic Landscape design

SC6.2.2.2.2 Buffer Landscaping:

- a) reduces the visibility of the development, not necessarily to the level of screen landscaping
- b) may incorporate buffering specific to buildings, structures, roads, parking, storage and other specified parts of a development
- c) uses a variety of vegetation types including ground covers, dwarf shrubs, trees 3-5m in height and landscape trees. In combination, the vegetation is to provide continuous landscaping for the specified area, using a medium density of landscape trees supported by dense low level landscapes
- d) incorporates a mix of mature and less mature plantings
- e) unless otherwise specified, is located between the development and:
 - roads and public places;
 - a sensitive land use
- f) does not generally incorporate mounding unless specified as a condition of a development approval
- g) incorporates a minimum width of 2 metres unless otherwise specified by a code or development approval condition.





Figure 20.b Typical Buffer Landscape

SC6.2.2.2.3 Screen Landscaping:

- reduces the visibility of the development to ensure it is not readily visible or discernible from specified locations, e.g. roads
- b) may provide for screening specific to structures, roads, parking, storage and other specified parts of a development
- c) incorporates trees that at maturity are of a height that provides visual screening
- d) uses mounding to increase the screening effect
- e) incorporates mature plants to achieve rapid screening
- f) uses multiple layers of vegetation types including ground covers, dwarf shrubs, trees 3-5m in height and landscape trees. In combination, the vegetation is to provide a continuous screen for the full height
- g) provides for trees at sufficient densities and numbers that ensures maximum reduction in visibility of the development or parts of the development required to be screened
- h) unless otherwise specified, is located between the development and:
 - roads and public places;
 - a sensitive land use
- i) incorporates a minimum width of 3 metres unless otherwise specified by a code or development approval condition.



Figure 20.c.1. Typical multi-level screen landscape





Figure 20.c.2 Typical mounded screen landscape

SC6.2.2.2.4 Street Landscaping (in association with a Material Change of Use):

- a) is designed to be consistent with and additional to internal landscaping
- b) is designed to increase aesthetic value and/or provide shade
- c) ensures plantings include mature trees species which are listed in the Policy or approved by Council
- d) will not interfere with the primary use of the public place e.g. footpath
- e) will be low maintenance and not interfere with or damage public infrastructure
- f) unless otherwise specified by a code or development approval condition, ensures development provides street trees along each road frontage of the site at whichever is the greater of:
 - 1 tree per 10m of road frontage; or
 - 1 tree per 400m² of site area
- g) incorporates plant species that will not damage building foundations, pavement or overhead and underground utility services. Care should be taken to ensure the final height of trees at maturity does not interfere with overhead services or buildings.

Note - separate approval is required from Council prior to any works being conducted on road reserve. A planting schedule of species will be required at this time.

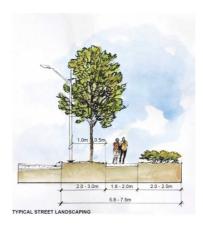


Figure 20.d Typical Street Landscaping



SC6.2.2.3 General Design Guidelines

SC6.2.2.3.1 Design Guidelines for Development

- (1) Successful landscape design can achieve a favourable setting for buildings and enhance the environment and ambience for both residents and neighbourhoods.
- (2) Landscape design should take into account existing site conditions including:
 - (a) existing vegetation
 - (b) aspect
 - (c) soil type and conditions
 - (d) pedestrian and vehicular circulation / access
 - (e) communal and private open spaces
 - (f) shade and sunlight
 - (g) utility areas.
- (3) Landscape design should take into account matters beyond the boundaries of the site and consider external influences such as:
 - (a) character of the surrounding neighbourhood
 - (b) existing vegetation
 - (c) desirable and undesirable views
 - (d) outlooks from neighbouring locations
 - (e) noise sources such as busy roads
 - (f) connectivity within the locality.
- (4) Different types of landscape treatments are required for different types of development that occur throughout the region.
- (5) Landscaping required by Council, either by the Planning Scheme or by a condition of a development approval, may include Aesthetic Landscaping, Buffer Landscaping, Screen Landscaping or Street Landscaping, and shall be designed to achieve the following outcomes:

(a) Aesthetic Landscaping:

- (i) softens the visibility of structures
- (ii) increases the aesthetic value of the site
- (iii)generally applies where adjoining a road boundary or adjoining public places unless otherwise specified
- (iv)may include a variety of vegetation types (including turf), plant heights and plant maturity.

(b) Buffer Landscaping:

- (i) softens the visibility of the development from sensitive land uses, roads and public places
- (ii) may be specific to buildings, structures, roads, parking, storage and other specified parts of a development
- (iii) provides for designs that incorporates a mix of plantings and spacings (articulation)
- (iv)incorporates a mix of mature to seedling plantings.



(c) Screen Landscaping:

- (i) is designed to consider line of sight from sensitive land uses, roads and public places
- (ii) uses mounding and mature plants to achieve rapid screening
- (iii)uses multiple layers (depth and height) of vegetation
- (iv)is designed for maximum reduction in visibility of the development
- (v) may be specific to structures, roads, parking, storage and other specified parts of a development.
- (d) **Street Landscaping** (in association with an Material Change of Use):
 - (i) is designed to increase aesthetic value and/or provide shade
 - (ii) incorporates mature trees species which are listed in the Policy or approved by Council
 - (iii) will not interfere with the primary use of the public place e.g. footpath
 - (iv)will be low maintenance and non-damaging to infrastructure.

SC6.2.2.3.2 Understorey

- (1) Creative use of ground covers and understorey plants is important to achieve an overall landscaped effect. The use of native grasses for both gardens and open space areas is encouraged particularly for developments in or adjoining remnant bushland.
- (2) Mulched planted areas are often a better landscape solution than turfed open areas.
- (3) Where areas are to be grassed, native grasses are desirable due to their resistance to drought, pests and disease, their low maintenance, their significantly lower nutrient and water requirements, and their distinctive Australian attributes of texture, colour and form, compared with the artificial "high nutrient" greenness of turfgrasses.

SC6.2.2.3.3 Wet Areas

- (1) These areas include irrigation areas for domestic sewerage treatment plants, areas downstream of septic trenches, overland flow paths, creek banks and damp spots in general.
- (2) The use of species whose root systems can tolerate damp conditions is essential. Use of these species will also aid in uptake of excess water and nutrients.
- (3) Planting in wet areas assists with the prevention of erosion.

SC6.2.2.3.4 Planting to Restore Habitat

- (1) In the past, large areas of formal habitat have been destroyed to make way for farming and development. In order to protect biodiversity it is important that revegetation and landscaping incorporate native species that are important either as food or habitat for local faunal species.
- (2) There are a number of species that should not be planted due to their undesirable characteristics. Such characteristics include:
 - (a) invasive growth
 - (b) potential to become bushland weeds by production of large quantities of seeds or edible fruits which are disseminated by birds and bats, ability to grow by vegetative reproduction, absence of natural predators
 - (c) environmental impact on native species
 - (d) maintenance difficulty



- (e) displacement of natural landscape character
- (f) poisonous/hazardous to native fauna.
- (3) These species are:
 - (a) plants which have been included in the Biodiversity Act 2014
 - (b)plants identified as Weeds of National Significance (WONS) under the National Weeds Strategy.
- (4) Consideration should also be given to 'Assessment of invasive naturalised plants in south-east Queensland" George N. Batianoff and Don W. Butler, Queensland Herbarium, Environmental Protection Agency (Full copy of the Paper can be sourced from the Plant Protection Quarterly Vol 17(1) 2002).
- (5) Under no circumstances should garden waste of these species be disposed anywhere but a Council tip. Species such as Singapore Daisy are having a major impact on the integrity of bushland areas adjacent to urban development.
- (6) Planting and weed removal may be required to restore habitat where development has encroached upon remnant native bushland, commonly located along watercourses. Often escaped garden plants, some of which can dominate the native vegetation, invade the bushland, particularly its edges. Disposing of garden waste in adjacent bushland also causes degradation of the natural vegetation and all such waste should be disposed of thoughtfully.

SC6.2.2.3.5 Planting Size

(1) The selected planting size will vary depending upon the nature of the development, availability of plant species, the type of plant and any specific conditions contained within a development approval. It is recognised that some plant species grow better from smaller containers for example Eucalypts and Brush box grow best from a 200mm pot. In each case, root systems are to be sturdily established in containers to ensure expected plant size is congruous with size of pot. As a general guide the following minimum pot sizes apply:

Table 6.2 Planting Sizes

Type of Plant	Minimum Pot Size
Street and feature trees	45 litre (75 litre for prominent areas)
Trees mature	25 litre
Trees generally	200mm
Tall, slow growing or feature shrubs	200mm
Shrubs generally	150mm
Ground covers, climbers & tufted plants	140mm

(2) Regardless of pot size, it is essential that plants do not become rootbound.

SC6.2.2.3.6 Layout - Plant Density and Grouping

- (1) The plant density will vary depending on the type of landscape character being created for example rainforest areas have a much higher density of trees and understorey than anopen woodland setting.
- (2) A denser rate of planting is required when attempting to create screen landscaping. This can be more successfully achieved by layering of planting from low at the edges towards



- taller planting at the centre. A similar method can be employed in softening of fence lines or walls.
- (3) Planting designs should be based on informal layouts of tree groupings or clusters with understorey layers of shrubs and ground covers at an appropriate density with the entire planting area covered with a layer of mulch.
- (4) Apart from the aesthetics of these groupings, plants thrive in groups and in mulched areas, rather than in lawn. The grouping and mulching provides protection for plants, avoids damage (from builders and whipper-snipers), conserves water and is easier to maintain.
- (5) As a general guide the following separation between plants would be appropriate:
 - a) Trees 5m apart
 - b) Larger shrubs 2m apart
 - c) Groundcovers 0.5 1.0m apart.
- (6) To create screen landscaping, the following separations between plants is appropriate:
 - d) Trees 2m apart
 - e) Larger shrubs 1m apart
 - f) Groundcovers 0.5 1m apart.
- (7) Tree grates for trees surrounded by sealed surfaces (concrete, asphalt etc) are to be used to provide for water and natural air movement, however they are not to be used as a drain.

\$C6.2.2.3.7 Design for Low Maintenance

- (1) Landscaping schemes should be designed with consideration to maintenance requirements. Landscaping with simple maintenance requirements will achieve a better long-term result. Careful preparation of garden areas prior to planting is also essential for the successful growth of plants. Please refer to section **SC6.2.2.3.9** for further detail.
- (2) Local species are better suited to the local environment and therefore have lower maintenance requirements. In addition, extensive use of mulched areas provides a better growing environment for plants, suppresses weeds and retains water. Re-mulching at regular intervals, particularly in high use areas, will be a necessary component of any ongoing maintenance programs.
- (3) Landscaping works with high maintenance requirements in such areas will not be accepted in proposed public areas.

\$C6.2.2.3.8 Planting in Vicinity of Sewers and Manholes

- (1) Tree roots can infiltrate household drains and sewer mains causing blockages and damage to pipes. The following species are best kept well away from underground pipes, sewer manholes, and water meters:
 - Gum trees (particularly those species that grow into large trees)
 - Fig trees
 - Rubber trees
 - Lilly Pilly trees
 - Umbrella trees (an environmental weed in this area).

Table 9.1 List of suitable native plants for planting near sewers and manholes (examples only)

Species Name	Variety	Growth Habit
Callistemon	Wilderness White	weeping shrub 3m x 2m

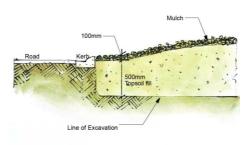


Species Name	Variety	Growth Habit
Callistemon	Wildfire	bushy, weeping shrub 4.5m x 3m
Callistemon	Taree Pink	3m x 2m
Callistemon	Little John	dwarf, compact shrub 1.5m x 1.5m
Callistemon	Candy Pink	2.5m x 2m
Callistemon	Captain Cook	2m x 1.5m
Callistemon	Eureka	4m x 1.5m
Callistemon	Firebrand	compact shrub with arching branches 2m x 1.5m
Grevillea	Coastal Glow, Elegance, Firesprite, Kay Williams, Misty Pink and Strawberry Blonde	3m x 2m
Grevillea	Coconut Ice, Bon Accord, Golden Lyre, Ned Kelly, Orange Marmalade, Robyn Gordon, Splendor and Superb	2m x 1.5m
Grevillea	Little Miss Muffet, Scarlet Sprite	1.5m x 1m
Grevillea	Honey Gem, Majestic, Moonlight, Pink Surprise, Sandra Gordon & Sylvia	4m x 2m
Leptospermum	Brachyandrum	dense weeping medium shrub 3m x 1.5m
Leptospermum	Cardwell	bushy weeping shrub 2m x 1.5m
Leptospermum	Pacific Beauty	1m x 1.5
Leptosperm um petersonii	Lemon scented Tea Tree	4m x 3m
Leptospermum	Pink Cascade	compact shrub 80cm x 1.5m
Lomandra hystrix		tufted, weeping grass plant 1m x 50cm
Melaleuca	Claret Tops	compact shrub 1.5m x 1m
Melaleuca	Nodosa	compact shrub 3m x 1.5m
Melaleuca	Sea Foam	bushy shrub 2m x 1m
Melaleuca	Snowflake	compact shrub 1.5m x 1m
Melaleuca	Thymifolia	spreading shrub 75cm x 1.5m
Pultenea villosa		weeping shrub 1.5m x 2m
Westringia	Fruticosa	bushy shrub 2m x 1.5m
Westringia	Wynyabbie Gem	bushy shrub 2m x 1.5m
Xanthostemon	Fairhill Gold	compact shrub 3m x 2.5m
Acronychia imperforata	Fraser Island Apple	bushy shrub 3m x 1.5m
Alectryon coriaceus	Beach Bird's Eye	bushy shrub 3m x 2m
Banksia ericifolia	Heath Banksia	large bushy shrub 4m x 2m
Banksia spinulosa	Hairpin Banksia	medium upright shrub 2m x 1.5m
Baeckea virgata	Twiggy Baeckea	hardy, compact shrub 3m x 2m



\$C6.2.2.3.9 Planting Techniques - Preparation of Garden Beds (including for Public Land, Road Reserves and Parks)

- (1) Careful preparation of garden areas prior to planting is essential to successful growth of plants, particularly where planting areas are adjacent to road or building construction works.
- (2) The following points should be observed:
 - a) soil used is to comply with the Australian Standard (AS 4410) Soil for Landscaping and Gardens
 - b) soil imported to garden beds should have similar soil structure to that existing in the area
 - c) all weeds, debris, rubbish, grass, etc. should be removed from areas to be planted
 - d) in conjunction with roadwork, all bitumen and road base should be removed from areas to be planted to a depth of 600mm from top of kerb (refer to **Figure 10.2f**)
 - e) garden beds are to be excavated to a depth of 600mm where formed beside roadways and fill with topsoil to 100mm below top of kerb to allow for depth of mulch
 - f) topsoil (preferably local soil) is to be added as required, garden beds formed and any stockpiled topsoil to finished levels are to be spread



PREPARATION OF GARDEN BEDS NEAR ROADS

Figure 10.2f Preparation of Garden Beds Near Roads

- g) any imported topsoil is to be free of large stones, weeds, sticks, rubbish, material toxic to plant growth, Nut Grass and Oxalis, and declared pests such as fire ants
- h) beds adjacent to hard areas are to finish 100mm below paved level or top of kerb to allow for depth of mulch
- garden beds should be left for one month prior to planting to allow the treatment of weeds contained in the soil and to allow for regeneration of natural seeds
- j) when constructing mounding or banks, highly compacted fill material in the top 600mm should be avoided as this can impede root penetration and the successful growth of plants
- k) a maximum fall of 1:3 is to be maintained to ensure stability of mulch on slopes and allow for access for maintenance (refer to **Figure 10.2k**).



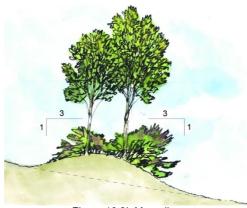


Figure 10.2k Mounding

SC6.2.2.3.10 Planting Procedures

- (1) Correct planting procedures ensure greater success in the establishment of landscapes. The following planting procedures should be complied with in the establishment of landscapes:
 - a) avoid planting in extreme hot, cold or atmospheric disturbances
 - b) dig separate holes for each plant, 100mm wider and deeper than the container. Loosen soil at the base of holes a further 150mm depth. Fill holes with water and allow water to drain away
 - c) position plants in the centre of the hole, set and backfill, ensuring the original soil level corresponds to the level of the container. Only tease out roots if a root ball is compacted or the plant is pot-bound

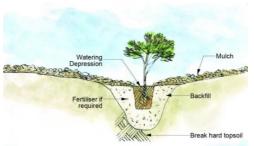


Figure 11.1 Planting in level areas

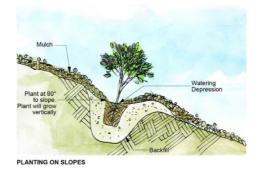


Figure 11.2 Planting on slopes

- incorporate suitable fertiliser and/or water crystals, if required, at time of backfilling.
 Please refer to SC6.2.2.3.12 Soil Nutrients and Fertilising and SC6.2.2.3.13 Water Crystals for further details
- e) gently and firmly tap down around the root ball, leaving a shallow watering depression.



- Water immediately and thoroughly using a minimum of 5 litres per plant
- f) mulch after planting (and installation of irrigation if applicable). Please refer to **SC6.2.2.3.11 Mulch Types** for further details
- g) where mulch is already in place, rake back any mulch from well around the area and the hole dug. Excess soil should be removed or spread prior to replacing mulch to prevent mixing of the two mediums
- h) plants that are severely root bound are not to be used.

SC6.2.2.3.11 Mulch Types

- (1) Mulching of planted areas conserves water by retaining soil moisture, maintains an even soil temperature, reduces erosion, compaction and root disturbance, and suppresses weed growth.
- (2) Mulch should be spread over entire planted area at a depth of 75 to 100mm and be kept 50mm from stems of plants to avoid collar rot.
- (3) The use of polythene film under mulch is not recommended as it prevents air and moisture from penetrating the soil and kills soil organisms. Thick layers of wetted newspaper or cardboard under mulch in weed infested areas is to be used.
- (4) Ground covers provide living mulch once established.

Table 12.4 Suggested Mulch Types

Steep Areas or Embankments	Hoop Pine mulch
High Profile Areas	Forest Blend or Bush mulch
Road Islands and Gardens	Forest Blend or Bush mulch

SC6.2.2.3.12 Soil Nutrients and Fertilising

- (1) Soils in the region are generally acid, low in nutrients and well suited to the growth of native plants. Care is needed when using any fertilisers. Adverse effects on water quality can occur as unused nutrients penetrate waterways via runoff and by leaching into the water table. Phosphorous is especially damaging to water quality.
- (2) Fertilisers can be damaging to some plants. For instance, fertilisers with phosphorus content should be avoided for species in the Proteaceae family, which includes Banksia, Grevillea and Hakea.
- (3) Acacia species produce nitrogen-fixing nodules and nitrogenous fertilisers can be harmful for these plants. These affects can be aggravated by sandy soils.
- (4) Avoid "Complete Fertilisers" on native plantings. Incorrectly applied fast-acting, usually inorganic, fertilisers can "burn" roots. Increased soil nitrogen can stimulate growth of pathogenic (destructive) soil fungi. High levels of potassium can interfere with a plant's capacity to absorb magnesium.
- (5) Use of fertilisers on gardens in or adjoining bushlands needs care. Native plant communities are adapted to low soil nutrient levels and increasing these can lead to heavy weed infestation.
- (6) The most beneficial way to improve nutrient status is to de-compact and aerate soils.
- (7) Plants cannot absorb fertiliser if the soil is compacted. If fertilisers are deemed necessary, use specially prepared mixes for native plants.
- (8) Fertiliser tablets should only be added to the base of the tree or shrub.

\$C6.2.2.3.13 Water Crystals

- (1) Water Crystals should be placed in soil that is already wet.
- (2) Where involving sandy soils, mix 10 grams or one teaspoon of water crystals to 10 litres of water or 1 bucket



of soil mixed well and added as back fill around the plant. This is for a 200mm pot.

Note: Sandy Soils can also be improved by mixing peat through the soil and watering well prior to planting.

(3) Where involving clay soils, heavy clay soils would not require water crystals.

SC6.2.2.3.14 Watering Systems

- (1) In general, Council does not encourage the use of water systems, but rather prefers native plants that grow naturally in the area and therefore do not require the use of a water system. However, where the design requires a water system the intent of design for the watering system shall be to provide a functioning sprinkler and/or drip irrigation system that will deliver water for optimum plant growth. Advice on irrigation design can be sought from a specialist supplier/installer.
- (2) In areas connected to reticulated water supply, watering systems should only be added to gardens where meters are installed.

Note: Plumbing approval is required for a system that connects to any reticulated water service including non-potable water supplies.

SC6.2.2.3.15 Watering Plants

- (1) Plants are to be thoroughly watered immediately after planting with a minimum of 5 litres per plant to remove air, settle soil around roots and to activate water crystals. Deep watering encourages strong deep root growth and is preferred to more regular shallow watering.
- (2) Watering should be carried out on a daily basis for three days after planting followed by twice weekly for two weeks and then as required according to rainfall, weather conditions and nature of the soil.

SC6.2.2.3.16 Staking of Trees

- (1) Staking of plants is necessary only if plants are exposed to strong winds or subject to damage from adjacent works. Staking can cause plants to rely on the support other than their own stems, resulting in a weaker plant.
- (2) The preferred method of staking is to place three stakes around the plant beyond the root ball and secure loosely with plastic ring-lock or hessian ties so that the plants move freely within the enclosure.



Figure 17.2 Preferred method of staking trees

(3) Large transplanted trees require guying and staking until the roots are well established in the natural ground. It is suggested that a specialist carry out the staking in these instances.

SC6.2.2.3.17 Establishment

(1) Following completion of landscape works, on-going maintenance is required to ensure successful establishment of planting. The following points should be complied with:



- a) any inferior or damaged plant material should be replaced
- b) all necessary weeding, watering and pruning should be undertaken to ensure healthy growth. Continue pruning as necessary for maintenance of sight lines and shaping of plants
- c) mulch should be kept in place and be replenished as necessary
- d) irrigation systems should be maintained in operational order
- e) all debris should be disposed of in a thoughtful manner.

SC6.2.2.3.18 Plant Species Selection

- (1) Species for Council works are to be consistent with the plant species lists in this policy including for:
 - a) footpaths adjacent to commercial development; and
 - b) parks used for active pursuits.
- (2) There may be some variation to the plant species referred to in this policy however such variations shall be minor to the overall scheme and should have a relationship to the existing or preferred character of the area.
- (3) Where planting is occurring within the Conservation Zone or adjoining road reserve, all trees are to be native species, preferably endemic to the location.

SC6.2.2.3.19 Climate Control and Energy Efficiency

- (1) Landscaping is to assist in passive solar access, the provision of shade, microclimate management and energy conservation in the following manner:
 - a) landscaping elements are positioned to shade walls, windows and outdoor areas from summer sun
 - b) landscaping allows winter sun access to living areas, north facing windows and public spaces
 - c) landscaping, fences and walls allow exposure of living and public areas to prevailing summer breezes and protection against winter winds.

SC6.2.2.4 Part 4 Preferred Landscape Species

SC6.2.2.4.1 Preferred Landscape Species

Without limiting its discretion under the *Planning Act 2016*, where Aesthetic Landscaping, Buffer Landscaping or Screen Landscaping is required by the Planning Scheme or by a condition of a development permit, plant species to be utilised for such landscaping are to be chosen from the species listed in the below Tables.

Without limiting its discretion under the *Planning Act 2016*, where Street Landscaping is required by the Planning Scheme or by a condition of a development permit, plant species to be utilised for such landscaping are to be chosen from the species listed in **9.2.4.5** - Landscape Plant Schedule under Schedule **6.2.1** Planning Scheme Policy **1** - Infrastructure Design

Note: The species of Ficus, Corymbia, Eucalyptus and Acacia in most instances will not be accepted as appropriate for street landscaping

Any variation to the species list must be approved by Council prior to planting. Such approval may be granted where the applicant demonstrates the outcomes of the Landscaping Code and this Policy can be achieved.

Table 22.1 General Trees



- o Table 22.2 Tree Species for Creek Corridors and Creek Crossings
- o Table 22.3 Landscape Species
 - Table 22.3 (a) Landscape Trees
 - Table 22.3(b) Landscape Tree Species 3 to 5 metres
 - Table 22.3(c) Landscape Dwarf Shrubs 1 to 1.5 metres
 - Table 22.3(d) Groundcovers
 - Table 22.3(e) Clumping Bulbs, Lillies and Grasses

Notes for tables:

- * Locally appropriate native species. Other locally appropriate native species acceptable if found in Mangroves to Mountains by Logan River Branch Society for Growing Australian Plants (Brisbane: Copyright Publishing Co., 2002).
- (i) Locally appropriate native species are preferred. Exotic species may be allowed only if natives are not available.
- (ii) Those species which may be maintained under Power Lines with only moderate maintenance / pruning are marked in bold lettering.

Table 22.1 General Trees

В	otanical Names	Common Name
*	Acacia species	Wattles
*	Acmena species	Lilly Pillies
*	Agathis robusta	Kauri Pine
	Aleurites moluccana	Candle Nut
*	Alphitonia excelsa	Red Ash
*	Aphananthe philippinesis	Rough-leaved Elm
*	Araucaria species	Native Pines, particularly Hoop Pine
*	Araucaria cunninghamii	
*	Auranticarpa rhombifolia (formerly Pittosporum rhombifolium)	Hollywood
*	Austomyrtus bidwillii	Python Tree
*	Backhousia myrtifolia	Grey Myrtle
*	Backhousia citriodora	Lemon-scented Myrtle
*	Banksia species	
*	Banksia integrifolia	Coast Banksia
	Barklya syringifolia	Gold Blossom or Crown of Gold
	Bolosanthus speciosus	Sth African Wisteria
*	Brachychiton acerifolius	Flame Tree
*	Brachychiton bidwilli	Little Kurrajong
*	Brachychiton discolour	Lace Bark
*	Brachychiton populneus	Kurrajong



В	otanical Names	Common Name
*	Brachychiton rupestris	Bottle Tree
	Buckinghamia celcissima	Ivory Curl
*	Callistemon species	Bottle Brushes
*	Callitris columellaris	Bribie Island Pine
	Calodendron capense	Cape Chestnut
*	Canthium spp.	Canthium
	Castanospora alphandii	Brown Tamarind
*	Castanospermum australe	Black Bean
*	Casuarina species	She Oak (particularly <i>Allocasuarina torulosa</i> & <i>Allocasuarina littoralis</i> [Glossy Black Cockatoo food trees]
*	Ceratopetalum apetalum	Coachwood
*	Corymbia citriodora	Spotted Gum
*	Corymbia gummifera	Red Bloodwood
*	Corymbia intermedia	Pink Bloodwood
	Croton insularis	Silver croton
	Cupaniopsis anacardiodes	Tuckeroo
*	Cupaniopsis parvifolium	Small leaved tuckeroo
	Cupaniopsis tomentella	Boonah Tuckeroo
*	Cryptococarya obovata	Pepperberry Ash
*	Cupaniopsis anacardioides	Tuckeroo
*	Duboisia myoporoides	Corkwood
*	Denhamia celastroides	Denhamia
	Dodonea viscosa	Hop Bush
*	Dysoxylum fraserianum	Rosewood
*	Elaeocarpus grandis	Blue Quandong
*	Elaeocarpus obovatus	Hard Quandong
*	Elaeocarpus reticulatis	Blueberry Ash
*	Elaeodendron australe	Red olive plum
*	Ellattostachys nervosa	Beetroot tree
*	Ellattostachys xylocarpa	White Tamarind
*	Erythrina vespertilio	Bat-wing Coral Tree
*	Eucalyptus acmenoides	White Mahogany
*	Eucalyptus crebra	Narrow leaved Ironbark



В	otanical Names	Common Name
*	Eucalyptus curtisii	Plunkett Mallee
*	Eucalyptus melanophloia	Silver leaved Ironbark
*	Eucalyptus melliodora	Yellow Box
*	Eucalyptus microcorys	Tallowwood
*	Eucalyptus moluccana	Gum topped Box
*	Eucalyptus pilularis	Black Butt
*	Eucalyptus propinqua	Grey Gum
*	Eucalyptus racemosa	Scribbly Gum
*	Eucalyptus resinifera	Red Mahogany
*	Eucalyptus robusta	Swamp Mahogany
*	Eucalyptus siderophloia	Grey Ironbark
*	Eucalyptus seeana	Narrow-leaved Gum
*	Eucalyptus saligna	Sydney Blue Gum
*	Eucalyptus tereticornis	Forest Red Gum
*	Eucalyptus tessellaris	Moreton Bay Ash
*	Eucalyptus trachyphloia	Brown Bloodwood
*	Euroschinus falcata	Pink Poplar
	Evodiella muelleri	Little Evodia
*	Ficus species	Figs (Native)
*	Flindersia australia	Crows Ash
	Flindersia oppositifolia	Mountain Silkwood
*	Flindersia schottiana	Bumpy Ash
*	Flindersia collina	Leopard Ash
*	Flindersia xanthoxyla	Yellowwood
	Geijera parviflora	Wilga
_		
	Geissois benthanii	Red Carabeen
*	Geissois benthanii Glochidion ferdinandi	Red Carabeen Cheese Tree
*		
	Glochidion ferdinandi	Cheese Tree
	Glochidion ferdinandi Gmelina leichhardtii	Cheese Tree White Beech
	Glochidion ferdinandi Gmelina leichhardtii Gordonia yunnanensis	Cheese Tree White Beech
	Glochidion ferdinandi Gmelina leichhardtii Gordonia yunnanensis Grevillea species	Cheese Tree White Beech Gordonia cultivar silkscreen



Вс	otanical Names	Common Name
	Hakea species	
	Harpephyllum caffrum	Kaffir Plum
	Harpulia hillii	Blunt leaved tulip
*	Harpullia pendula	Tulipwood
*	Hymenosporum flavum	Native Frangipani
	Largerstroemia species	Crepe Myrtle (deciduous)
	Laurus nobilis	Sweet Bay Tree
	Lepiderima pulchella	Fine leaf tuckeroo
*	Lophostemon confertus	Brush Box
*	Lophostemon suaveolens	Swamp Box
	Mallotus claoxyloides	Green Kamala
	Mallotus phillippensis	Red Kamala
	Maytenus spp.	Orange Bush
*	Melaleuca species	Paperbarks
*	Melia azaderach	White Cedar
	Melaleuca bracteata "Golden Gem"	Golden Gem
	Melaleuca bracteata "Revolution Gold"	Revolution Gold
	Melaleuca bracteata "Revolution Green"	Revolution Green
	Melaleuca irbyana	Bush-house paperbark
	Melaleuca linariifolia "Snowstorm"	Snowstorm
	Melicope elleryana	Butterfly tree
	Metrosideros excelsa	New Zealand Christmas Tree
	Metrosideros queenlandica	Queensland Golden Myrtle
	Myoporum insulare	Boobialla
	Myoporum montanum	Water bush
	,	
*	Notolea longifolia	Long-leaved Mock Olive
*		
	Notolea longifolia	Long-leaved Mock Olive
	Notolea longifolia Olea paniculata	Long-leaved Mock Olive Native Olive
	Notolea longifolia Olea paniculata Olea species	Long-leaved Mock Olive Native Olive Olive Tree
*	Notolea longifolia Olea paniculata Olea species Parachidendron pruinosum	Long-leaved Mock Olive Native Olive Olive Tree Snow Wood
*	Notolea longifolia Olea paniculata Olea species Parachidendron pruinosum Pittosporum angustifolium	Long-leaved Mock Olive Native Olive Olive Tree Snow Wood



Botanical Names	Common Name	
Peltophorum pterocarp	m Yellow Poinciana	
Pleiogynium timorense	Burdekin Plum	
* Podocarpus elatus	Brown Pine	
Pouteria eerwah	Shiny-leaved Coondoo	
Psidium species	Cherry Guava	
Rhodamnia rubescens	Scrub Turpentine	
Schotia brachypetala	Drunken Parrot Tree	
* Stenocarpus sinuatus	Wheel of Fire Tree	
Strebulus brunonian	Whalebone Tree	
* Syzygium species	Lilly Pilly	
Syzygium "Elite"	Elite	
Syzygium "Hunchy"	Hunchy	
Toechima tenax	Pitted-Leaved Steelwood	
* Toona australis	Red Cedar	
* Tristaniopsis laurina	Water Gum	
Virbirnum odoratissimu	n Sweet Virbirnum	
Xanthostemon chrys	nthus Golden Penda	

Table 22.2 Tree Species for Creek Corridors and Creek Crossings

Botanical Name	Common Name
* Acacia species	Wattles
* Acmena smithii	Lilly Pilly
Acronychia laevis	Glossy Acronychia
* Allocasuarina littoralis	Black She Oak
* Allocasuarina torulosa	Forest Oak
* Alphitona excelsa	Red Ash
Angophora leiocarpa	Smooth-barked Apple
* Angophora subvelutina	Broad-leaved Apple
* Austromyrtus species	Myrtles
* Backhousia citriodora	Lemon-scented Myrtle
* Backhousia myrtifolia	Grey Myrtle
* Banksia robur	Swamp Banksia
* Brachychiton acerifolius	Flame Tree



В	otanical Name	Common Name
*	Callistemon pachyphyllus	Wallum Bottlebrush
*	Callistemon salignus	Willow Bottlebrush
*	Callistemon viminalis	Weeping Bottlebrush
*	Castanospermum australe	Black Bean
*	Casuarina cunninghamiana	River Oak
*	Casuarina glauca	Swamp Oak
*	Commersonia bartramia	Brown Kurrajong
	Corymbia ptychocarpa	Swamp Bloodwood
*	Cryptocarya glaucescens	Jackwood
	Cryptocarya laevigata	Glossy Laurel
	Cryptocarya microneura	Murrogun
*	Cryptocarya triplinervis var. pubens	Three-veined Laurel
*	Cupaniopsis anacardioides	Tuckeroo
*	Elaeocarpus grandis	Blue Quandong
	Elaeocarpus obovatus	Hard Quandong
	Elaeocarpus reticulatis	Blueberry Ash
	Eucalyptus intermedia	Pink Bloodwood
*	Eucalyptus propinqua	Small-fruited Grey Gum
*	Eucalyptus robusta	Swamp Mahogany
*	Eucalyptus seeana	Fine-leaved Red Gum
*	Eucalyptus tereticornis	Blue Gum or Forest Red Gum
*	Ficus coronata	Creek Sandpaper Fig
*	Ficus obliqua	Small-leaved Fig
	Flindersia bennettiana	Bennett's Ash
	Flindersia brayleyana	Qld Maple
	Glochidion ferdinadii	Cheese Tree
	Glochidion perakense	
*	Glochidion sumatranum	Buttonwood or Large-leaved Cheese Tree
*	Gmelina leichhardtii	White Beech
*	Grevillea robusta	Silky Oak
*	Harpullia pendula	Tulipwood
*	Homalanthus nutans	Bleeding Heart
*	Hymenosporum flavum	Native Frangipani



В	otanical Name	Common Name
	Jagera psuedorhus	Foambark tree
*	Leptospermum species	Tea Tree
*	Lophostemon confertus	Brush Box
*	Lophostemon suaveolens	Swamp Box
*	Macaranga tanarius	Macaranga
*	Mallotus phillipensis	Red Kamala
	Mallotus discolor	Yellow Kamala
*	Mallotus claoxyloides	Green Kamala
*	Melaleuca bracteata	Black Tea Tree
	Melaleuca decora	Decorative Paperbark
*	Melaleuca irbyana	Bush-house Paperbark
	Melaleuca leucadendron fine leaf	Weeping Paperbark
	Melaleuca leucadendron broad leaf	Weeping Paperbark
*	Melaleuca linariifolia	Snow in Summer
*	Melaleuca nodosa	Prickly-leaved Paperbark
*	Melaleuca quinquinervia	Broad-leaved Paperbark
*	Melaleuca sieberi	Small-leaved Paperbark
	Melaleuca stypheloides	Prickly Paperbark
	Melicope elleryana	Pink Evodia
	Neolitsea dealbata	White bolly gum
*	Notelaea longifolia	Long-leaved Mock Olive
*	Olea paniculata	Native Olive
*	Pittosporum revolutum	Forest Pittosporum
*	Pittosporum venulosum	Rusty Pittosporum
*	Podocarpus elatus	Brown Pine
*	Polyscias elegans	Celerywood
*	Rapanea howittiana	Brush Muttonwood
*	Rhodomyrtus psidiodes	Native Guava
*	Sterculia quadrifida	Peanut Tree
	Synoum glandulosum	Scentless rosewood
	Syzygium australe	Brush cherry or Creek Satinash
*	Syzygium francisii	Rose Satinash
	Syzygium leuhmanii	Small-leaved Lilly Pilly



Botanical Name	Common Name
Syzygium tierneyanum	River Cherry
* Tasmannia insipida	Pepper Bush
* Toechima tenax	Pitted steelwood
* Tristaniopsis laurina	Water Gum
Waterhousea floribunda	Weeping Lilly Pilly
Xanthostemon crysanthus	Golden Penda

Table 22.3 Landscape Species

Table 22.3 (a) Landscape Trees

В	otanical Name	Common Name
	Acacia species	Wattles
	Acmena smithii	Lilly Pilly
*	Allocasuarina littoralis	Black She Oak (Glossy Black Cockatoo food trees)
*	Allocasuarina torulosa	Forest Oak (Glossy Black Cockatoo food trees)
*	Alphitonia excelsa	Red Ash
*	Auranticarpa rhombifolia (formerly known as Pittosporum rhombifolium)	Diamond-leaved Pittosporum
	Backhousia citriodora	Lemon-scented Myrtle
*	Backhousia myrtifolia	Grey Myrtle
*	Banksia integrifolia	Coastal Banksia
	Buckinghamia celcissima	Ivory Curl
*	Callicoma serratifolia	Callicoma
*	Callistemon salignus	White Bottlebrush
*	Callistemon viminalis	Weeping Bottlebrush
*	Casuarina cunninghamiana	River Oak
*	Casuarina glauca	Swamp Oak
*	Commersonia bartramia	Brown Kurrajong
*	Elaeocarpus reticulatis	Blueberry Ash
*	Eucalyptus curtisii	Plunkett Mallee
*	Eucalyptus microcorys	Tallowwood
	Eucalyptus ptychocarpa	Swamp Bloodwood
*	Eucalyptus robusta	Swamp Mahogany
*	Eucalyptus tessellaris	Moreton Bay Ash



Botanical Name	Common Name
* Ficus species	Figs
Grevillea bailyana	White oak
Grevillea banksia	
Grevillea hilliana	White Silky Oak
Hakea salicifolia	Willow-leaved Hakea
* Hibiscus tiliaceus	Cottonwood
* Homolanthus nutans	Bleeding Heart
Lagunaria patersonii	Norfolk Island Hibiscus
Leptospermum laevigatum	Coast Tea Tree
* Leptospermum petersonii	Lemon-scented Tea Tree
Melaleuca leucadendron	Narrow-leaved Paperbark
* Melaleuca linariifolia	Snow in Summer
* Melaleuca quinquinervia	Broad-leaved Paperbark
Melicope elleryana	Butterfly Tree
* Pittosporum undulatum	Native Daphne
Pittosporum venulosum	Rusty Pittosporum
* Rhodosphaera rhodanthema	Deep Yellowwood
Syzygium cultivars	



Table 22.3(b) Landscape Tree Species - 3 to 5 metres

Botanical Name	Common Name
Acacia species	Wattles
* A.aulacocarpa	Short Hickory Wattle
A.bailyana	
* A.complanata	Flat-stemmed Wattle
A.deanii	
* A.decora	Pretty wattle
* A.fimbriata	
A.floribunda	
A.longifolia	
* A.podalyriifolia	
* Alyxia ruscifolia	Chain Fruit
Auranticarpa rhombifolia (formerly Pittosporum rhombifolium)	Diamond leaved Pittosporum
* Backhousia citriodora	Lemon-scented Myrtle
Baeckea virgata	Twiggy Baeckea
Banksia species	Banksias
B.spinulosa var.collina	
B.ericifolia	
* B.spinulosa	
Buckinghamia celcissima	Ivory Curl
Callistemon species	Bottlebrushes
C.citrinus	
C.endeavour	
C.eureka	
C.formosus	
C.hannah ray	
C.kings park special	
C.pindi pindi	
C.wildfire	
Choretrum candollei	(No common name)
Cryptocarya laevigata	Glossy Laurel
Grevillea species	Grevilleas
G.banksii	



Botanical Name	Common Name
G.coastal glow	
G.hookeriana	
G.ned kelly	
G.poorinda constance	
G.superb	
Hakea species	Hakeas
H.salicifolia	
Kunzea ambigua	Tick Bush
Kunzea ericoides	
Leptospermum species	Tea Trees
L.copper glow	
L.laevigatum	
* L.microcarpum	
* L.petersonii	
Melaleuca species	Paperbarks
M.incana	
M.golden gem	
M. irbyana	
* M.linariifolia	
* M.nodosa	
M.revolution gold	
M.snowfire	
Melastoma affine	Native lasiandra
Myoporum insulare	Boobialla
Myoporum montanum	Water bush
* Pittosporum revolutum	Forest Pittosporum
Syzygium cultivars	
Westringia species	Coastal Rosemary
W.fuiticosa	
W.wyniabbie gem	



Table 22.3(c) Landscape Dwarf Shrubs - 1 to 1.5 metres

Native Species	Exotic Species
Acacia fimbriata 'dwarf'	Abelia grandifolia
Acmena 'Mini Pilly'	Cuphea hyssopifolia
Agonis flexuosa 'nana'	Euryops pectinatus
Austromyrtus dulcis	Gamolepsis chrysanthemoides
Baeckea virgata 'dwarf'	Gardenia species
Baeckea la petite	Hebe species
Callistemon captain cook	Juniperus species
Callistemon Hinchenbrook	Largerstroemia 'little chief'
Callistemon little john	Nadina domestica 'nana'
Graptophyllum exselsum	Plumbago species
Graptophyllum illicifolium	Rhaphiolepis species 'dwarf'
Grevillea coconut ice	Rosemarinus species
Grevillea forest rambler	Russelia equisetiformis
Grevillea lilliane	Spiraea catoniensis
Grevillea olympic flame	Thuja species
Grevillea robyn gordon	Trachylospermum jasminoides
Leptospermum flavescens	
Leptospermum pacific beauty	
Leptospermum pink cascade	
Melaleuca incana 'nana'	
Melaleuca claret tops	
Melaleuca snowflake	
Melaleuca snowstorm	
* Melaleuca thymifolia	
Syzygium cultivars	
Westringia Jervis gem	
Westringia zena	
Syzygium cultivars Westringia Jervis gem	



Table 22.3(d) Groundcovers

Native Species	Exotic Species
* Acacia amblygona	Alternanthera
Brachycombe species	Dimorphotheca species
Cissus antartica	Evolvulus pilosus
* Damperia species	Felicia amelloides
Goodenia species	
Grevillea biternata	
Grevillea bronze rambler	
Grevillea juniperina	
Grevillea lanigera	
Hardenbergia violacea	
Hibertia species	
Hibbertia scandens	
Myoporum actinophyllum prostrate	
Myoporum ellipticum	
Myoporum parvifolium fine leaf	
Pandorea jasminoides	
Themeda trianda	
Themeda "Mingo"	
Viola hederacea	
Vitex ovata	

Table 22.3(e) Clumping Bulbs, Lillies and Grasses

Native Species	Exotic Species	
Crinum species	Agapanthus species	
Dianella species	Dietes species	
Dianella brevipedunculata	Hemerocallis species	
Dianella caerulea	Hippeastrum species	
Dianella congesta	Hymenocallis species	
Dianella longifolia	Liriope species	
Doryanthes palmeri	Ophiopogon species	
Festuca glauca	Phormium species	



Native Species	Exotic Species
Lomandra species	Strelitzia reginae
Lomandra hystrix	Zephyranthes species
Lomandra longifolia	
Pennisetum species	