



SS09-195	SS09-1956 INDICATIVE PLANT SCHEDULE						
Symbol	Botanical Name	Common Name	Mature	Mature Spread (m.)	Spacings	Pot	Quantity
Trees				Op. 0 a. ()			
රි	Casuarina glauca	Swamp Oak	20	œ	As Shown	100lt	
Щ.	Elaeocarpus reticulatis	Blue berry Ash	10	5	As Shown	100lt	
Ē	Eucalyptus botryoides	Bangalay	25	10	As Shown	100lt	
E G	Eucalyptus robusta	Swamp Mahogany	20	8	As Shown	100lt	***************************************
Me	Melaleuca ericifolia	Swamp Paperbark	8	3	As Shown	100lt	
<b>M</b>	Melaleuca lineariifolia	Snow-in-Summer	8	3	As Shown	100lt	
Ms	Melaleuca stypheliodes	Prickly Paperbark	8	5	As Shown	100lt	
	Tristaniopsis laurina	Water Gum	10	6	As Shown	100lt	
Carpark	Trees						
As	Acmena smithii	Lillypilly	10	6	As Shown	100lt	
Ca	Cupaniopsis anacardioides	Tuckeroo	7	5		100lt	
Б О	Eucalyptus robusta	Swamp Mahogany	20	8	As Shown	100lt	
ESB	Eucalyptus 'Summer Beauty'	Flowering Gum	ത	3	As Shown	100lt	
Z	Tristaniopsis laurina 'Luscious'	Water Gum	10	6	As Shown	100lt	
	Trees						
Ph	Platanus x hispanica	London Plane Tree	20	10	As Shown	200lt	
Pu	Pyrus ussuriensis	Manchurian Pear	9	o	As Shown	200lt	
Shrub Pl	Planting						
	Acacia longifolia	Sydney Golden Wattle	4	2	As Shown	200mm	
В	Baekea linifolia	Swamp Baekea	2.0	2.0	As Shown	200mm	
င္ပ	Crinum paniculatum	Swamp Lily	1.5	1.5	As Shown	200mm	
GRG	Grevillea 'Robyn Gordon'	Robyn Gordon	1.5	1.5	As Shown	200mm	
GS	Grevillea 'Sylvia'	Grevillea	2	1.5	As Shown	200mm	
S	Jacksonia scoparia	Dogwood	3	2	As Shown	200mm	
Mass Sh	Mass Shrub Planting						
Ca	Correa alba	White Correa	1	1	2/m2	150mm	
CLJ	Callistemon 'Little John'	Dwarf Bottlebrush	_	1	2/m2	150mm	
Mt	Melaleuca Thymifolia	Thyme Honey Myrtle	0.8	_	2/m2	150mm	
Pm	Philotheca myoporoides	Longleaf Waxflower	_		2/m2	150mm	
<b>≤</b> i	Viminaria juncea	Native Broom	_	_	2/m2	150mm	
WWG	Westringia Wynyabbie Gem'	Wynyabbie Rosemary	1	1	2/m2	150mm	
Groundc	Groundcovers/Grasses Planting Type 1						
Ba	Baumea articulata	Jointed Twig Grass	1.5	0.8	10/m2	75mm Tube	
Cxa	Carex appressa	Tall Sedge	0.8	0.6	10/m2	75mm Tube	
Схg	Carex gaudichaudiana	Lizard Tail Sedge	0.5	0.5	10/m2	75mm Tube	
5	Isolopsis nodosa	Knobby Clubgrass	1.0		10/m2	75mm Tube	
Ja	Juncus amabilis	Hollow Rush	1.0	1.5	10/m2	75mm Tube	
¥	Juncus kraussii	Sea Rush	1.5	0.8	10/m2	75mm Tube	
Ju	Juncus usitatus	Tussock Rush	1.0	0.6	10/m2	75mm Tube	
Groundc	Groundcovers/Grasses Planting Type 2						
င္ပ	Callistemon pearsonii 'Rocky Rambler	<i>er'</i> Rocky Rambler	0.4	8.0	2/m2	75mm Tube	
DCB			0.5	0.5	6/m2	75mm Tube	
Ч	Dianella Tasred	Tasred	0.4		6/m2	75mm Tube	
GRM	Grevillea 'Poorinda Royal Mantle'	Grevillea Royal Mantle	0.2		2/m2	75mm Tube	
Hsd	Hibbertia scandens	Snake Vine	0.2		3/m2	75mm Tube	
Lр	Libertia paniculata	Grass Flag	0.6		8/m2	75mm Tube	
5	Lomandra hystrix	Slender Matt Grass	1.3		6/m2	75mm Tube	
٦	Lomandra longifolia 'Nyalla'	Nyalla Mat Rush	0.7	0.6	6/m2	75mm Tube	
L	Lomandra longifolia 'Tanika'	Tanika Mat Rush	0.7	0.6	6/m2	75mm Tube	
Mp		Creeping Boobialla	0.2	_	2/m2	75mm Tube	
Pa	Pennisetum alopecuroides 'Nafray'	Swamp Foxtail	_		6.00/m2	75mm Tube	

## INDICATIVE LANDSCAPE **SPECIFICATION**

1.0 GENERAL NOTES
1.1 Workmanship and Materials
The whole of the landscape works shall be carried out by a competent Landscape Contractor who is experienced in horticultural practice, landscape construction and planting techniques. The Landscape Contractor shall hold a current Building Contractors License and/or be a financial member of the Landscape Contractors Association.

2.0 EXISTING TREES
2.1 Trees to be Retained and Protected
2.1 Trees to be Retained and Protected
Identify and mark trees and shrubs to be retained using a suitable non-injurious, easily visible and removable means of identification. Protect from damage the trees and shrubs to be retained, including those beyond the site area, both above and below the ground. If a tree becomes damaged during the works or it is proposed to perform work on a tree, give written notice immediately and obtain instructions.
2.2 Work near Trees
Keep the area of the drip-line free from construction material and debris. Do not place bulk materials and harmful materials under or near trees. Do not place spoil from excavations against tree trunks. Prevent wind-blown materials such as cement from harming trees and plants. Do not remove topsoil from, or add topsoil to, the area within the drip-line of trees.

3.1 Soil Testing
Sampling: As recommended in AS 4419 Appendix A. Undertake at least two (2) soil tests, in locations as advised by Project Manager, and provide results and recommendations for the improvement of plant growth and to adjust the soil to achieve appropriate planting medium (including pit levels) for successful plant growth.

3.2 Subsoil

Excavate all garden beds to bring the subsoil to at least 300mm below finished design levels. Shape the subsoil to subsoil drains where applicable. Do not excavate within the drip line of trees to be retained.

Excavate all turf and grass areas to bring the subsoil to at least 100mm below finished design levels. Shape the subsoil to fall to subsoil drains where applicable. Do not excavate within the drip line of trees to be retained.

Cultivate the subsoil to a further depth of 100mm. Remove stones exceeding 25mm, clods of earth exceeding 50mm, and weeds, rubbish or other deleterious material brought to the surface during cultivation. Do not disturb services or tree roots, if necessary cultivate these areas by hand. During cultivation, thoroughly mix in materials recommendations. Trim the surface to design levels after cultivation.

Tonsoil

3.3 Topsoil
Import topsoil for the garden and turf areas, unless the topsoil can be provided from material recovered from the site, as recommended in the soil testing results.
Improved topsoil is to comply with the soil testing results, and as a minimum the following relevant test criteria:

Improved topsoil particle size (% passing by mass)
AS sieve aperture
Soil Textures

					Other properties		Additives						Nutrient levels	o Property	<ul> <li>Improved topsoil properties</li> </ul>	0.002	0.075	0.15	0.30	0.60	1.18	2.36		o Ao sieve apericie
					erties								/els		il proper									מומומ
	Soluble salts (% by mass)	Electrical conductivity (dS/m)	Soil reaction (pH)	Wettability	Organic matter (% by mass)	Compost	Gypsum (kg/m2)	Nitrogen drawdown (NDI 150)	Nitrogen (N) (mg/L)	Calcium (Ca (mg/L)	Sulphur (S (mg/L)	Potassium (K) (mg/L)	Phosphorous (P) (mg/L)	Type	ties	2-15	35-55	45-70	57-90	75-100	90-100	100	Fine	COLLEXIONS
	y mass)	ity (dS/m			by mass)			( NDI 15	Ď	D)		mg/L)	( mg/L)			2-8	25-35	38-55	55-85	75-100	95-100	100	Medium	CI CI
s	0		6	v	2	τ.	0		I ∧	5	v	ω	0	Þ			5-10	10-22	30-46	70-90	95-100	100	Medium Course	
3 400 m/hr	0.1	<1.2 w/v testing methor	6-7	>5mm/min	20 maximum	to AS 4454	0.25	>0	<100	50-350	>40	35-250	0.7-4	Amount										

Spread the topsoil on the prepared subsoil and grade evenly, compact lightly and uniformly in 150mm layers.. differential subsidence and excess compaction and produce a finished topsoil surface which has the following characteristics:

- Finished to design levels, allowing for mulch as paths and edge,
  Smooth and free from stones or lumps of so
  Graded to drain freely, without ponding, to c
  Graded evenly to adjoining surfaces, and
  Ready for planting. allowing for mulch or turf, which is to finish flush

- Supply and install the following imported topsoil mixes:

- Soil Mix Type A
  60% soil mix (60% coarse sand ar
  10% mushroom compost,
  10% pine bark fines,
  10% composted sawdust, and
  10% composted manures.
  Soil Mix Type B
  80% washed river sand, and
  20% black soil.

# 3.4 Compost Provide, in accordance with AS 4454, well rotted chemicals, grass and weed growth.

- The following application is to be used as a minimum, and may vary in accordance with results and recommendations established from soil tests:
  Trees apply two (2) pellets /300mm top grown (maximum 8/tree) of Kokei pellets or equivalent.
  Mass planted areas apply 500g/m2 of Nutricote Blue slow release fertiliser (with N:P:K ratio of 16:4.4:8.3) or equivalent.
  Turf and grass seeded areas apply to manufacturer's recommendations granulated pelletised chicken manure (with N:P:K ratio of 9:4:6) prior to laying or seeding and biannually, as well as Nitram 6 weeks after

3.6 Embankment Stabilisation

Where necessary to prevent soil erosion or soil movement, stabilise embankments. As a minimum this should be on slopes > 1 in 3.

on slopes ≥ 1 in 3.

Stabilise embankments using biodegradable fibre reinforced with heavy weight polymer mesh. Install in accordance with manufacturer's specification, including 300 x 300 mm anchor trenches at top and bottom, backfilled with soil and compacted, and U-shaped galvanised steel pegs at 1000 x 1000 mm intervals generally and 250mm at overlaps. Plant after matting is installed.

edules, which have the following characteristics:

- Large healthy root systems, with no evidence of root curl, restriction or damage, Vigorous, well established, free from disease and pests, of good form consistent with the species or variety, Hardened off, not soft or forced, and suitable for planting in the natural climatic conditions prevailing at the site, and in particular shade conditions, Grown in their final containers for not less than twelve weeks,

  Trees, unless required to be multi-stemmed, shall have a single leading shoot, and Containers shall be free from weeds and of appropriate size in relation to their container.

contractor shall check and verify all work on site (including work by ers) before commencing the landscape installation. Any discrepancies are e reported to the Project Manager or Landscape Architect prior to imencing work. Do not scale this drawing. Any required dimensions not wn shall be referred to the Landscape Architect for confirmation.

- All plant specimens are to be true to name and variety listed in the Make no substitutions of species type or container size unless app Manager. plant schedules on the landscape drawings.
  proved by the Landscape Architect and Project
- Plants shall not exhibit signs of having been stressed at any stage during their development and delivery due to inadequate watering, excessive shade/sunlight, physical damage or have restricted growth due to nursery conditions.
- 3.8 Root Barriers

  Supply and install root control barriers to all new and existing tree plantings, where their proximity poses a threat to the stability of road kerbs, road paving and footpaths and other hard landscape elements such as walls, fences, steps, and garden edging. As a minimum this should be installed where trees are located within 2 metres of the element, and are to extend along the element for 2 metres either side of the tree trunk.
- Root barriers shall be equal to Root Wall, as supplied by Treemax to be protected in accordance with manufacturer's recommenda and installed alongside the landscape ele
- 3.9 Mulching Garden mulch shall conform to AS4454 and be free of deleterious and extraneous sticks, wood slivers, stones and vegetative reproductive parts of undesirable plants.
- Mulch shall be approved recycled mulch recovered from site clearing, if available, otherwise equal "Forest Fines" supplied by Australian Native Landscapes.
- Before placing mulch ensure that soil depths mulch as a consistent layer. are correct and that the soil surface is even and ready to receive

- Place mulch in all garden beds to a depth of 75mm, when all specified plants are installed, clear of all plant stems, and rake to an even surface flush with the surrounding finished levels and evenly graded between design surface levels. The specified depth shall be achieved after the mulch has settled.
- 3.10 Stakes and Ties
  Stakes shall be durable hardwood, straight, free from knots and sizes for each of the various plant pot sizes: or twis sts, pointed at one end, in the following quantities
- Plants (<u>></u>25L): One (1) of 38 x 38 x 1200mm, Semi-advanced plants (<u>></u>75L): Two (2) of 50 x 50 x Advanced (<u>></u>100L): Three (3) of 50 x 50 x 2400mm. : 1800mm, or
- Drive stakes into the ground a minimum one third of their length, mayoids damage to the plants root system. aking sure they are plumb, equal in height and

Provide ties fixed securely to the stakes, one tie at half the height of the main stem, others as necessary to stabilise the plant, allowing a small degree of movement but not affording any damage to the stem. Ties shall be 50 mm hessian webbing installed around the stake and stem in a figure of eight pattern and stapled to the stake.

3.11 Turf
Turf shall be Soft Leaf Buffalo or approved equal, delivered to site from a specialist grower of cultivated turf. Provide turf of even thicl Deliver turf to the site within 24 hours of being cut, and lay it within between cutting and laying. as 25mm minimum thick cut rolls. Obtain turf kness, free from weeds and other foreign matter 1 24 hours of delivery. Prevent it form drying out

## Lay the turf in the following manr

- In stretcher pattern with the joints staggered and close butted, Parallel with the long sides of level areas, and with contours on slopes, and To finish flush, after tamping, with adjacent finished surfaces of ground, paving edges, and timber edges.
- Lightly tamp to an even surface immediately after laying. Do not use a roller. Water immediately after placement and as necessary to keep the topsoil moist to a depth of 100 mm. Protect newly turfed areas against pedestrian and vehicular traffic until grass is established. Keep the turf in a healthy condition.
- Fertilise within two weeks after laying with approved lawn fertiliser and to manufacturer's recommendations. Apply additional fertiliser as required to maintain healthy grass cover. Top dress the turf when it is established to a maximum depth of 10mm with coarse washed river sand to remove any depressions or irregular areas. Rub the dressing well into the joints and correct any unevenness in the turf surfaces. Mow the turf to maintain a grass height of between 30-50mm.

### 4.0 EDC Edging sha EDGING ng shall be used a

planting)

- Supply and install edging as follows:

   Edging Type: Sawn Timber

  o Location: as shown on landscape drawings,
  o Installation: set edging flush with adjoining surfaces, drive I
  1200mm centres on the planting side of edging timber and
  15mm below the top of the edging, fix edging to pegs using
  o Curving: where the timber is to be curved, space the pegs
  reduce edging thickness to 15mm to enable it to be bent,
  Standards: sawn hardwood of Durability Class 1 as defined
  softwood grade H4,
  o Size: 100 x 25mm nominal section size in complete long le
  o Pegs: 50 x 50mm square section and 400mm long, and
  o Fixings: two (2) galvanised nails per peg.
  - drive pegs into the ground at a minimum of ar and on both sides of edge joints, with peg tops using galvanised nails, pegs to hold to a uniform curve, and, if required, ent,

NAHAS CONSTRUCTIONS P/L

- defined in Appendix D of AS 1604 or CCA treated วng lengths from 2400mm to 3000mm, าd

5.0 IRRIGATION
5.1 System
The irrigation system shall be an automatic fixed drip system, with an irrigation controller self operated via a soil moisture sensor. The system shall be compatible to the type of plant material and rates of water required. Where appropriate adjustable and fully serviceable. The layout of the entire irrigation is to ensure that each individual plant receives the required amount of water to maintain healthy and vigorous growth. The irrigation system shall be such that, component theft, vandalism, over-spray and wetting of paths shall be reduced to a minimum or completely eliminated by the use of drip, pop-up sprinklers and judiciously placed fixed spray emitters. Do not use fine mist type emitters that provide a drifting mist that may wet paths and the buildings.

6.0 PLANT ESTABLISTIVILLE.

6.1 Generally

The Landscape Contractor shall rectify defects during installation and normal use for the duration of the contract Defects Liability Period. The contract areas by the implementation of industry accepted horticultura maintenance works shall include, but not be limited to, the following:

Replacing failed plants,

Pruning,

Insect and pest control,

Fertillising,

Maintaining mulch, and that become apparent in the works under . The Landscape Contractor shall maintain the ltural practices for 52 weeks. The landscape g:

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PART 3A

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DETAILS, PLANT SCHEDULE

SS09-1956 AS SHOWN @ A 502

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SPECIFICATION NOTES