



Landscape Plan - Ground Level
1:200 @ A4



Landscape Plan - Level 3
1:200 @ A4

COPYRIGHT
This drawing must not be copied in whole or in part
without the consent of John Patrick Landscapes
Architects Pty Ltd
Do not scale off drawings
NOT FOR CONSTRUCTION

LEVEL 3 PLANT SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	DE NEW*	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	QTY
GROUNDCOVERS & STRAPPINGS						
DDB	<i>Dianella revivida</i> 'Baby Blues'	Baby Blues Rex Lily	EN	0.3 x 0.3m	140mm pot	132
DLR	<i>Dianella revivida</i> 'Little Rev'	Little Rev Rex Lily	EN	0.3-0.4 x 0.3m	140mm pot	96
					TOTAL	228

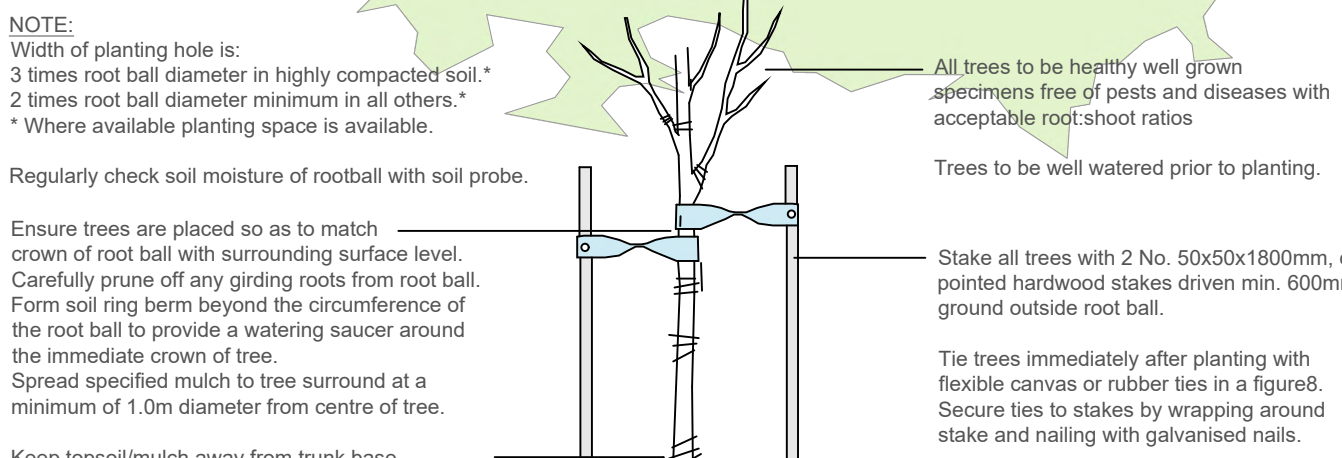
*DE = Deciduous/Evergreen N/EX = Native/Exotic

EXISTING TREE SCHEDULE

No.	BOTANICAL NAME	COMMON NAME	HEIGHT X WIDTH	Tree Protection Zone (TPZ) Radius	RETAIN	REMOVE	COMMENTS
TREES							
1	<i>Eucalyptus grandis</i>	Flooded Gum	14m	5.4m	Retain		Reserve Tree/High Arb. value
2	<i>Eucalyptus grandis</i>	Flooded Gum	30x16	10.6m	Retain		Reserve Tree/High Arb. value
3	<i>Eucalyptus grandis</i>	Flooded Gum	20x12	6.7m	Retain		Reserve Tree/High Arb. value
4	<i>Eucalyptus grandis</i>	Flooded Gum	13x6	3.4m	Retain		Reserve Tree/High Arb. value
5	<i>Eucalyptus grandis</i>	Flooded Gum	22x8	6.2m	Retain		Reserve Tree/High Arb. value
6	<i>Melaleuca ericifolia</i>	Swamp Paperbark	7m	2.4m	Remove		Reserve tree/subject to Council approval
7	<i>Eucalyptus crenulata</i>	Silver Gum	6m	2.4m	Remove		Reserve tree/subject to Council approval
8	<i>Pinus radiata</i>	Radiata Pine	26x12	10.8m	Remove		Reserve tree/subject to Council approval
9	<i>Olea europaea</i>	Olive	9m	2.4m	Remove		Reserve tree/subject to Council approval
10	<i>Olea europaea</i>	Olive	9m	2.4m	Remove		Reserve tree/subject to Council approval
11	<i>Olea europaea</i>	Olive	8m	2.4m	Remove		Reserve tree/subject to Council approval
12	<i>Olea europaea</i>	Olive	8m	2.4m	Remove		Reserve tree/subject to Council approval
13	<i>Eucalyptus sp.</i>	Eucalypt	9m	3.0m	Remove		Reserve Tree/Med. Arb. value
14	<i>Populus x canadensis</i>	Grey Poplar (v4)	15m	3.0m	Remove		Reserve Tree/Med. Arb. value
15	<i>Eucalyptus baxteri</i>	Brown Stringybark	16m	9.0m	Retain		Reserve Tree/Med. Arb. value
16	<i>Eucalyptus sp.</i>	Eucalypt	5m	3.0m	Remove		Reserve tree/subject to Council approval
17	<i>Eucalyptus melliodora</i>	Yellow Box	7m	3.0m	Retain		Reserve Tree/Med. Arb. value

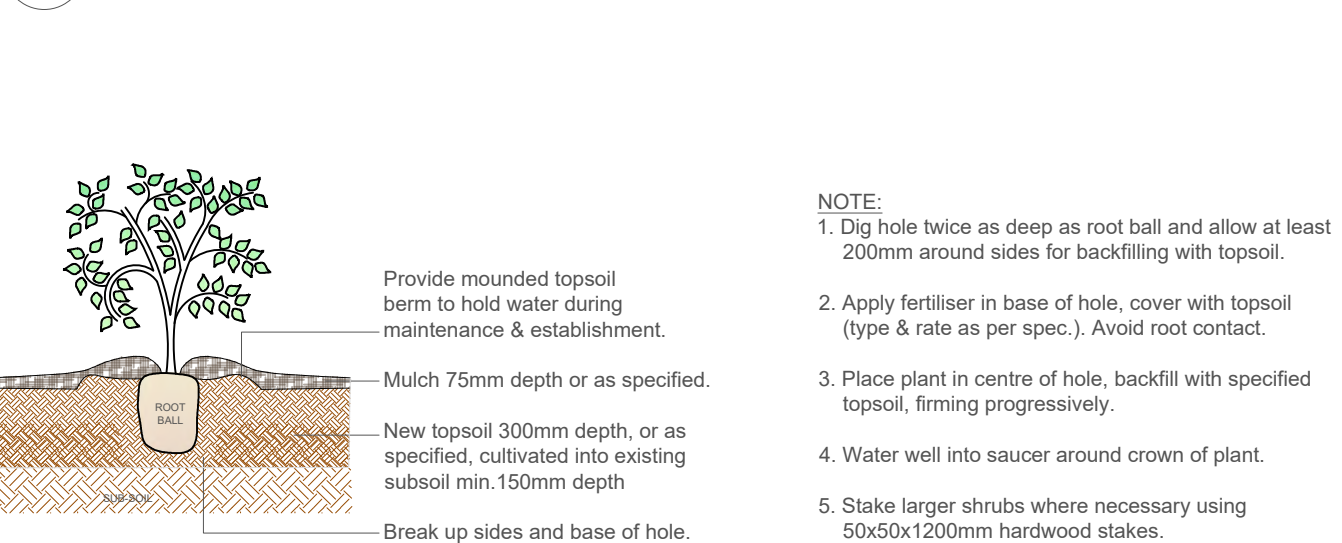
*Refer to Arborist Report Oct. 2020 by Zac Gehin-Demon for Further Details

TYPICAL PLANTING DETAILS

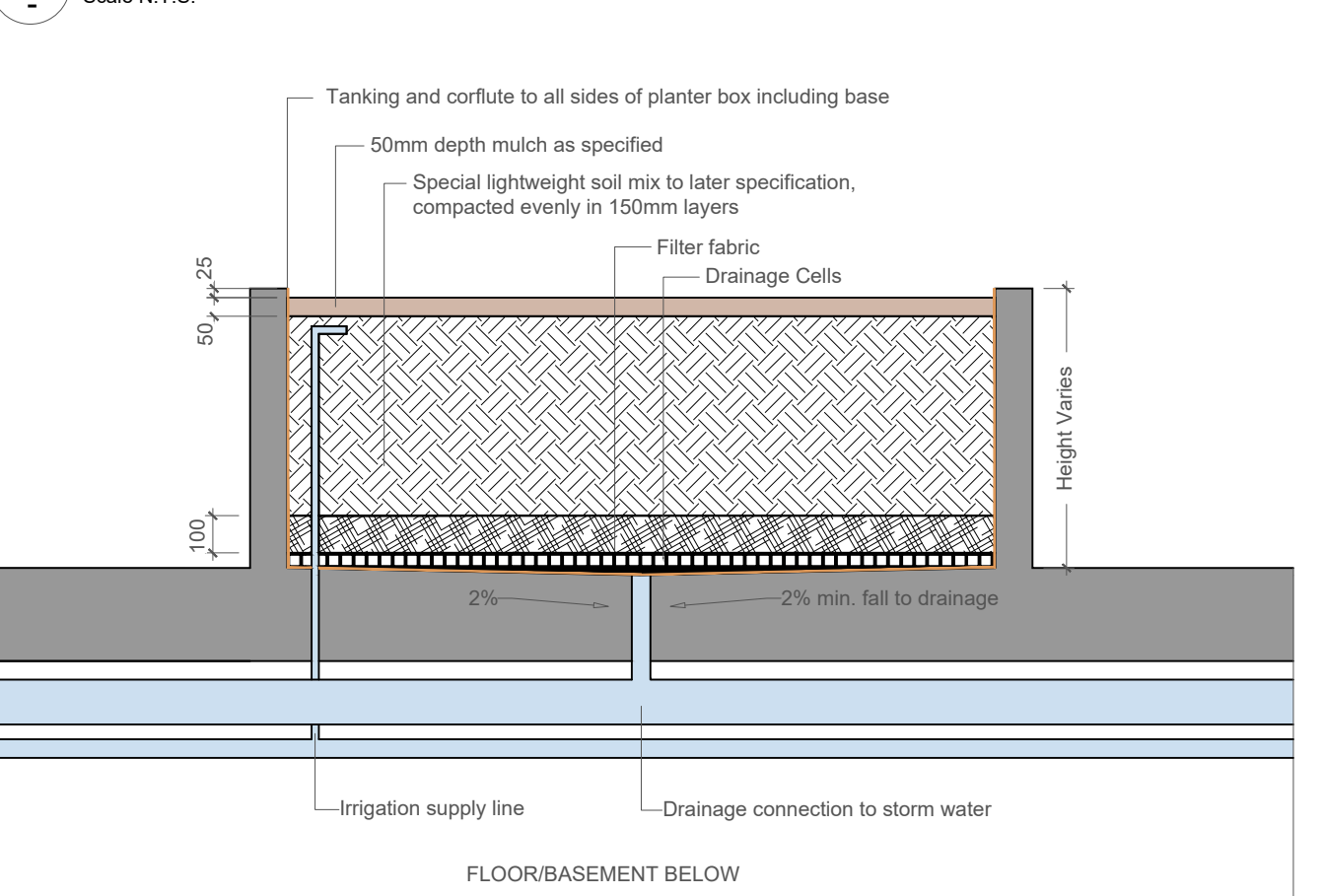


NOTE:
Width of planting hole is:
3 times root ball diameter in highly compacted soil
2 times root ball diameter minimum in all others.
*Where available planting space is available.
Regularly check soil moisture of rootball with soil probe.
Ensure trees are placed so as to match crown of root ball with surrounding surface level.
Carefully prune off any grinding roots from root ball.
Form soil ring being beyond the circumference of the root ball to provide a watering saucer around the immediate crown of tree.
Spread specified mulch to tree surround at a minimum of 1.0m diameter from centre of tree.
Keep topsoil/mulch away from trunk base.
NOTE:
For slopes greater than 1:8 and if root ball is raised above grade form raised ring of soil & mulch to direct water into root ball.

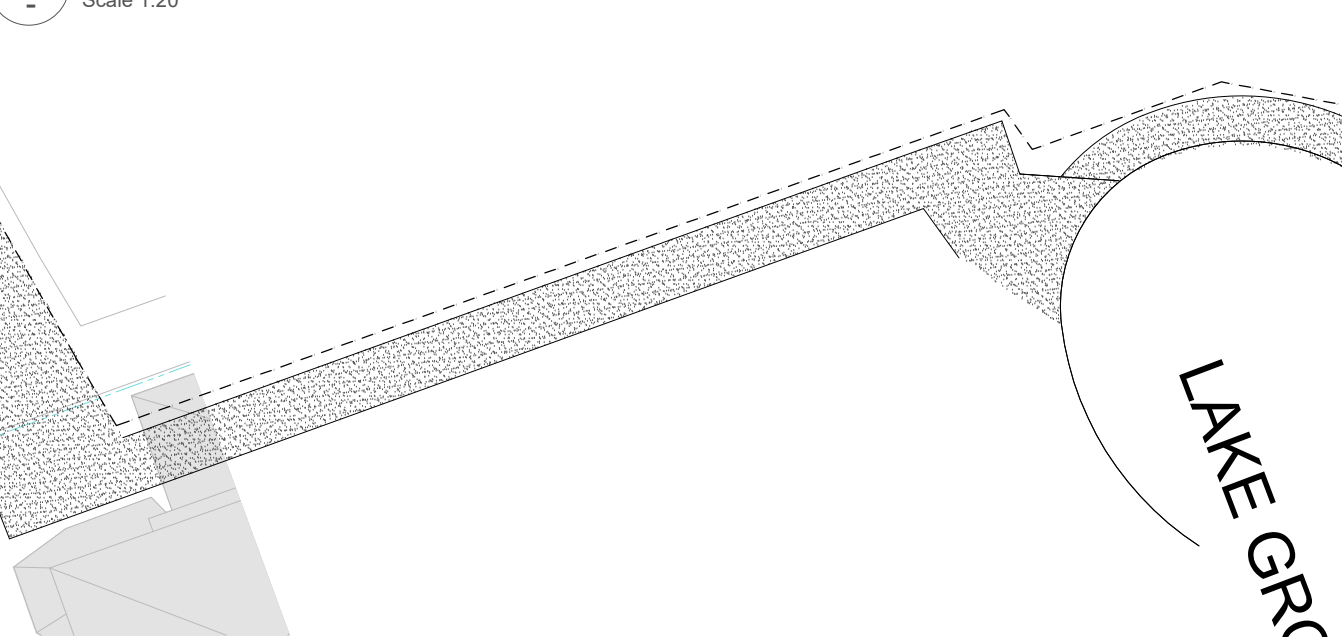
D1 TYPICAL TREE PLANTING DETAIL



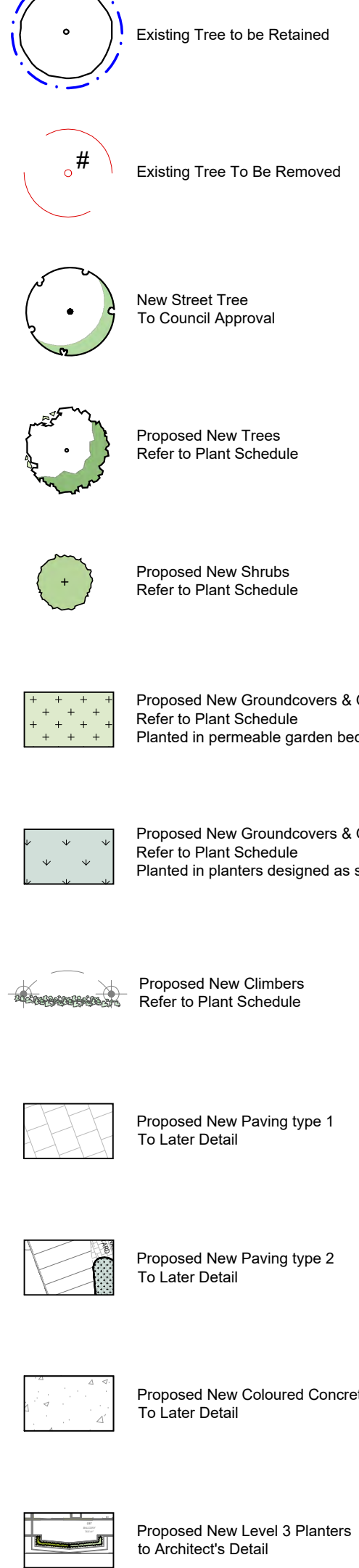
D2 TYPICAL SHRUB PLANTING DETAIL



D3 TYPICAL LIGHTWEIGHT PLANTER BOX DETAIL



LEGEND



SPECIFICATION NOTES

Soil Preparation
Crushed rock, concrete spillage and any other material restrictive to plant growth (e.g. large rocks) shall be removed from the site of any planting. All trees to be removed shall be during ground and all subsoil/vegetative soil to be removed from site. Existing top soil in planting areas is to be preserved so that it does not receive additional compaction from site machinery and so that no rubble or building supplies are scored in these areas.
No imported top soil is to be used within the root zones of trees to be protected. Any preparation of existing soil for planting within these areas is to be done by JPLS/022. Holes (e.g. as the result of plant removal) and uneven soil levels must be patched using topsoil as specified below.
Any imported top soil is to be free of weeds, rubble and other materials damaging to plant growth and is to be of a medium texture (loamy loam) with a pH of 6.0-7.0. Top soil is to be laid over a prepared sub-base which has had any materials damaging to plant growth (e.g. rubble and large rocks) removed, spread to the appropriate depth and cultivated into the existing site soil to a minimum depth of 150mm.
Imported top soil is to be lightly and uniformly compacted in 150mm layers to a minimum depth of 100mm on lawn areas and 300mm on excavated planting beds.
Weed Removal
All weeds shall be thoroughly removed. All vegetative material, including roots and rhizomes of non-woody perennials and woody suckering weeds, is to be removed or appropriately controlled using chemical means. The stumps of non-suckering woody perennials are to be during ground. All vegetative material shall be appropriately disposed of off site in a manner which will not allow their re-establishment elsewhere. Any chemical controls are to be used in accordance with manufacturer's instructions and standard occupational health and safety procedures.
Care must be taken to ensure that all trees to be retained are not damaged during weed removal. This also implies that any herbicides used are suitable for use around the vegetation to be retained.
Planting
Planting shall be carried out using accepted horticultural practices with all plants conforming to the species, size and quantities indicated on the Landscape Plan and Plant Schedule. Plants shall be thoroughly soaked through immersion in water prior to planting and if the planting soil is very dry then the planting hole is also to be filled with water and allowed to drain completely.
All plants shall be appropriately hardened off in the nursery. Use plants with the following characteristics: Large healthy root systems with no evidence of root cut or pot bound restriction or damage, vigorous, well established, free from disease and pests and of good form, consistent with the species or variety.
Planting holes for shrubs and groundcovers are to be of minimum size 75mm larger than the planting pot in all directions. Semi-arboreal tree planting holes are to be the same depth as the rootball and 2-3 times the width of the top of the rootball being at grade. A 75mm high berm is to be constructed at edge of rootball to hold water. All plants are to be thoroughly watered after planting and slow release fertiliser added at the quantities specified by the manufacturer.
Mulch
Mulch is to be supplied to all garden beds and is to be an organic type laid to a minimum depth of 75mm, consisting of fine dark coloured chipper or shredded pine bark or hardwood not more than 5% fines content by volume (generally zero fines). The average size of the woodchip must be approximately 10mm x 20mm x 5mm and the maximum length is not to exceed 30mm. Mulch shall be free of damaging matter such as soil, weeds and sticks and is to be stockpiled and thoroughly weathered prior to delivery. Mulch is to be kept back 150mm from the stems of all plants to prevent collar rot.
Timber Edges
Provide 75 x 25mm treated pine edges to all borders between gravel mulch paths and garden beds using 75x25x300mm long treated pine stakes at 1200mm maximum centres. An additional stake is to be provided at joints in the path.
Irrigation
An approved drip irrigation system is to be supplied to all landscape areas. An approved pop-up spray system is to be supplied to all lawn areas. It is the responsibility of the contractor to ensure that all irrigation meets manufacturer's specifications. The system is to be connected to mains supply and include a rain-shut off device. All dripline is to be buried with approx. 50mm of topsoil cover and shall be anchored at regular intervals to ensure the tubing cannot be dislodged.
Lawn - Turf
"Sapphire" Soft Leaf Buffalo turf (or similar) is to be supplied to lawn areas as shown. Turf is to be supplied by a specialist grower and is not to be allowed to dry out between cutting and laying. Turf should be laid in a staggered pattern so that joints are staggered and is to be lightly tamped following laying. All lawn areas are to be thoroughly watered following planting and fertilised with an appropriate lawn starter at the quantities recommended by the manufacturer.
Raised Planter Boxes
Raised planter construction is to include, but not necessarily be limited to, the supply and installation of agricultural drains, drainage cells at base, filter fabric, planting medium, mulch and irrigation. Planter boxes must be effectively tanked and lined with confetti to prevent leaking.
Drainage cells are to be provided at the base of the planter and are to be covered with a layer of filter fabric. A drainage outlet is to be installed in the base of the planter with the floor of the planter sloped towards it. Provide a root anchor if trees are to be planted in a windy location.
Supply and spread evenly a special lightweight planter mix. (to be advised) Compact evenly in 150mm layers. Avoid differential subsidence and access comparison and produce a finished surface that is graded and ready for planting. Allow for 50mm layer of specified mulch to top of beds and a finished level 25-50mm below the planter rim. Drip irrigation as specified is to be installed beneath the mulch layer.
Re-establishment of damaged Nature strips
Nature strips are to be restored to current grades with any depressions filled with topsoil to specifications above and lightly compacted in 150mm layers. Areas are then to be re-seeded using an appropriate and matching turf type and the area forced off to allow the re-establishment of lawn. Re-seeded areas are to be well irrigated and the area supplied with a slow release fertiliser at the quantities recommended by the manufacturer.
Any areas of lawn which have failed to germinate (achieve an evenly green 95% covering of a consistent height) are to be re-seeded within one month of original sowing date.
Plant Establishment Period
There shall be a 13 weeks Plant Establishment Period following the approval of Practical Completion by the responsible authority. During this period the landscape contractor shall make good all defects in his/her scope of works. Maintenance and Establishment means the care and maintenance of the contract area by accepted horticultural practices as well as rectifying any defects that become apparent in the work under normal use. This shall include, but shall not be limited to watering, fertilising, weeding, pruning, pest and disease control, cultivation, re-staking and replacement of any plants that fail with plants of the same species and size.

GROUND FLOOR PLANT SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	DE NEW*	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	QTY
TREES						
EPD	<i>Elaeagnus reticulata</i> 'Primo Densu'	Pink Flowering Baby Bush	EN	8 x 3m	1mH	1
Phy	<i>Ficus microcarpa</i> 'var. hirtell'	Hf's Weeping Fig	EN	10 x 5m	2mH	2
Hf	<i>Hymenocallis flavum</i>	Native Frangipani	EN	8 x 4m	2mH	1
SWV	<i>Syzygium floribundum</i> 'Whisper'	Whisper Weeping Lily-pilly	EN	8 x 5m	3mH	3
					TOTAL	7
SHRUBS						
AcMB	<i>Canellula japonica</i>	Japanese Canella	EX	10 x 8m	200mm pot	21
Lb	<i>Leucophaea brownii</i>	Qashion Bush	EN	0.8 x 0.8m	140mm pot	44
SaBC	<i>Syzygium australe</i> 'Bush Christmas'	Bush Christmas Lily-pilly	EN	1.2 x 1.2m Clipped	200mm pot	13
Vo	<i>Viburnum odoratissimum</i>	Sw eet Viburnum	EX	4 x 2m Clipped	200mm pot	8
					TOTAL	86
GROUNDCOVERS & GRASSES						
AcMB	<i>Chrysanthemum indicum</i> 'Matsuyuri Bay'	Renga Lily	EX	0.6 x 0.6m	140mm pot	24
Cac	<i>Chrysanthemum apiculatum</i>	Common Everlasting	EX	0.5 x 0.8m	140mm pot	32
DcLJ	<i>Dianella caerulea</i> 'Little Jess'	Little Jess Parrot Lily	EN	0.4 x 0.4m	140mm pot	124
Lp	<i>Limonium peretzii</i>	Sea Lavender	EX	0.6 x 0.6m	140mm pot	24
LmA	<i>Liriope muscarum</i> 'Amethyst'	Amethyst Lily-turf	EX	0.4 x 0.4m	140mm pot	75
LmW	<i>Liriope muscarum</i> 'Monroe's White'	Monroe's White Lily-turf	EX	0.4 x 0.4m	140mm pot	75
LmW	<i>Lomandra confertifolia</i> 'Whisper'	Whisper Mel-Rush	EN	0.4 x 0.6m	140mm pot	52
LmW	<i>Lomandra longifolia</i> 'Tandah'	Tandah Mel-Rush	EN	0.6 x 0.65m	140mm pot	82
Mp	<i>Mycoporum parvifolium</i>	Creeeping Bobbala	EX	0.2 x 1.3.0m	140mm pot	15
Pm	<i>Poa monniali</i>	Silky Tussock Grass	EX	0.3 x 0.4m	140mm pot	66
					TOTAL	569
CLIMBERS						
R	<i>Parthenocissus tricuspidata</i>	Boston Ivy	EX	Self-clinging Climber	140mm pot	39
					TOTAL	39

*DE = Deciduous/Evergreen N/EX = Native/Exotic

PARK PLANT SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	DE NEW*	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	QTY
TREES						
Ai	<i>Acacia limplex</i>	Lighter ood	EX	7 x 6m	2mH	2
Al	<i>Allocasuarina littoralis</i>	Black Sheoak	EX	7 x 4m	2mH	2
Cc	<i>Corymbia citriodora</i>	Lemon-scented Gum	EN	20 x 12m	2mH	3
Ec	<i>Eucalyptus leucocorydon</i> ssp. <i>conata</i>	Melbourne Yellow Gum	EX	12 x 8m	2mH	2
Ev	<i>Eucalyptus ovata</i>	Sw amp Gum	EX	10 x 8m	2mH	1
					TOTAL	10
SHRUBS						
Aa	<i>Acacia acinacae</i>	Gold Dust Wattle	EX	2 x 3m	Tubes	
Bs	<i>Bursaria spinosa</i>	Sw eet Bursaria	EN	4 x 3m	Tubes	
Co	<i>Correa reflexa</i>	Common Correa	EX	1 x 1m	Tubes	
Drs	<i>Dodonaea viscosa</i> subsp. <i>spatulata</i>	Wedge-leaf Hop Bush	EX	3 x 3m	Tubes	
U	<i>Leptopodium laetigerum</i>	Woody Taro-tree	EX	4 x 2m	Tubes	
Sa	<i>Solanum elaeagnifolium</i>	Kangaroo Apple	EX	3 x 2m	Tubes	
					TOTAL	6
GROUNDCOVERS & GRASSES						
Cap	<i>Carex appressa</i>	Tall Sedge	EX	0.8 x 0.6m	Tubes	
Hv	<i>Hardenbergia violacea</i>	False Sansaparilla	EX	Spreading	Tubes	
U	<i>Lomandra longifolia</i>	Spray-headed Mel-rush	EX	1 x 1m	Tubes	
Mp	<i>Mycoporum parvifolium</i>	Creeeping Bobbala	EX	0.2 x Spreading	Tubes	
R	<i>Poa labillardieri</i>	Tussock Grass	EX	0.8 x 0.8m	Tubes	
Pm	<i>Poa monniali</i>	Silky Tussock Grass	EX	0.3 x 0.4m	140mm pot	
					TOTAL	6

Note:
- Most new plants chosen have good drought tolerance and are based on species selection recommended in the Moreland Landscape Guidelines 2009.

- Vegetation retainment must include strategies for the retainment (i.e. barriers and signage during the construction process).