



Landscape Plan  
1:200 @ A0

#### LEGEND

- Existing Tree to be Retained
- Existing Tree To Be Removed
- New Street Tree To Council Approval
- Proposed New Tree Refer to Plant Schedule
- Proposed New Shrubs Refer to Plant Schedule
- Proposed New Groundcovers & Grasses Planted in permeable garden beds
- Proposed New Groundcovers & Grasses Planted in planters designed as self-seeding raingardens
- Proposed New Climbers Refer to Plant Schedule
- Proposed New Paving type 1 To Later Detail
- Proposed New Paving type 2 To Later Detail
- Proposed New Coloured Concrete To Later Detail
- Proposed New Paving To Later Detail

#### 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 beds and removed from site. All trees to be removed shall be stumped and all debris/vegetation shall 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 325C/55. Holes (e.g. as the result of plant removal) and lowest soil levels must be patched using topsoil as specified below.
- Any imported topsoil is to be free of weeds, rubble and other materials damaging to plant growth and is to be of a medium texture (sandy 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 stumped ground and removed. 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 the same depth as the rootball and 2-3 times its diameter, with the top of the rootball being at grade. A 75mm high berm is to be constructed at edge of root-ball 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 chipped or shredded pine bark or hardwood with not more than 5% fines content by volume (generally zero fines). The average size of the woody material 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 100mm 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 1000mm maximum centres. An additional stake is to be provided at joints in the pine.
- 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 manufacturers 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 confilute 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 100mm layers. Avoid differential subsidence and excess compaction and produce a finished surface that is graded evenly 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.
- Repair/Restoration of damaged Nature-stripes**  
Nature strips are to be retained 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

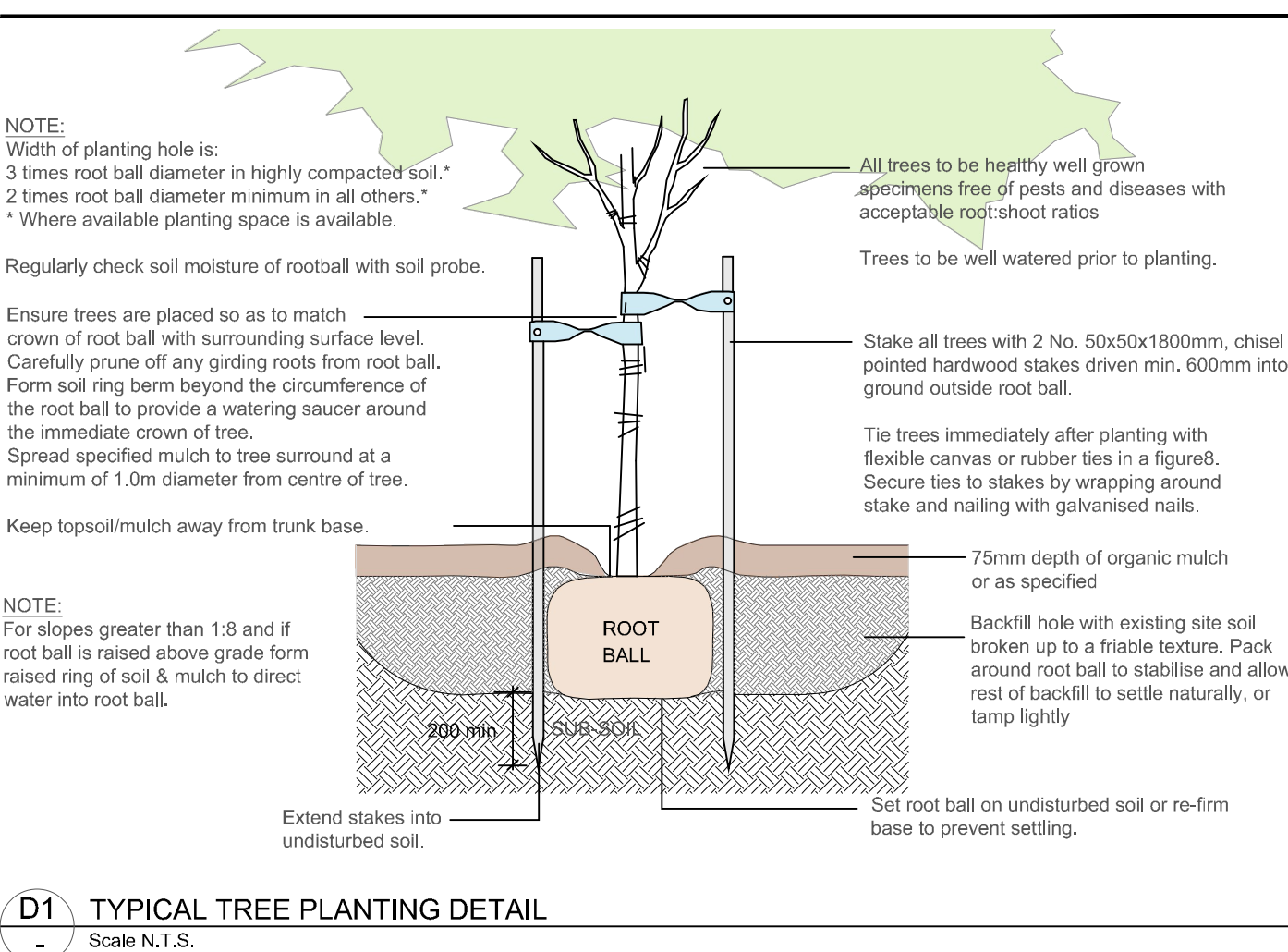
SYM	BOTANICAL NAME	COMMON NAME	DE/NE	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	QTY
<b>TREES</b>						
EPD	<i>Elaeagnus reticulata</i> 'Purpurea'	Pink Flow-ering Blueberry Ash	EN	8 x 3m	1mH	1
FrB	<i>Ficus microcarpa</i> 'Var. Reti'	HFV Weeping Fig	EN	10 x 5m	2mH	3
HF	<i>Hymenocallis flava</i>	Nature Frangipani	EN	8 x 4m	2mH	1
SW	<i>Syzygium bonardum</i> 'Whisper'	Whisper Weeping Lily-pilly	EN	8 x 5m	3mH	3
<b>TOTAL</b>						<b>8</b>
<b>SHRUBS</b>						
C	<i>Camellia japonica</i>	Japanese Camellia	EN	10 x 8m	200mm pot	8
Lb	<i>Leucophaea bracteata</i>	Cashew Bush	EN	0.8 x 0.8m	140mm pot	47
SeB	<i>Syzygium australe</i> 'Bush Christmas'	Bush Christmas Lily-pilly	EN	1.2 x 1.2m Clipped	200mm pot	15
Vo	<i>Viburnum odoratissimum</i>	Sw eet Viburnum	EN	4 x 2m Clipped	200mm pot	15
<b>TOTAL</b>						<b>83</b>
<b>GROUNDCOVERS &amp; GRASSES</b>						
AcMB	<i>Adiantum maculatum</i> 'Majestatum'	Reign Lily	EN	0.6 x 0.8m	140mm pot	24
Cac	<i>Chrysanthemum apiculatum</i>	Common Everlasting	EN	0.5 x 0.8m	140mm pot	32
DxL	<i>Dianella caerulea</i> 'Little Joss'	Little Jess Persea Lily	EN	0.4 x 0.4m	140mm pot	138
Lp	<i>Limonium persea</i>	Sea Lavender	EN	0.6 x 0.8m	140mm pot	24
Lm	<i>Liriodendron muscari</i> 'Amethyst'	Amethyst Lily-turf	EN	0.4 x 0.4m	140mm pot	75
LmW	<i>Liriodendron muscari</i> 'Monter's White'	Monter's White Lily-turf	EN	0.4 x 0.4m	140mm pot	75
LW	<i>Lomandra confertifolia</i> 'Whisper'	Whisper Bell Bush	EN	0.4 x 0.8m	140mm pot	52
LIT	<i>Lomandra longifolia</i> 'Tankah'	Tankah Bell Bush	EN	0.6 x 0.65m	140mm pot	82
Mp	<i>Myoporum parvifolium</i>	Creeping Bobbala	EN	0.2 x 1.3 0m	140mm pot	15
Pm	<i>Poa monnialii</i>	Silky Tussock Grass	EN	0.3 x 0.4m	140mm pot	66
<b>TOTAL</b>						<b>683</b>
<b>CLIMBERS</b>						
R	<i>Parthenocissus tricuspidata</i>	Boston Ivy	DE	Self-clinging Climber	140mm pot	41
<b>TOTAL</b>						<b>41</b>

#### PARK PLANT SCHEDULE

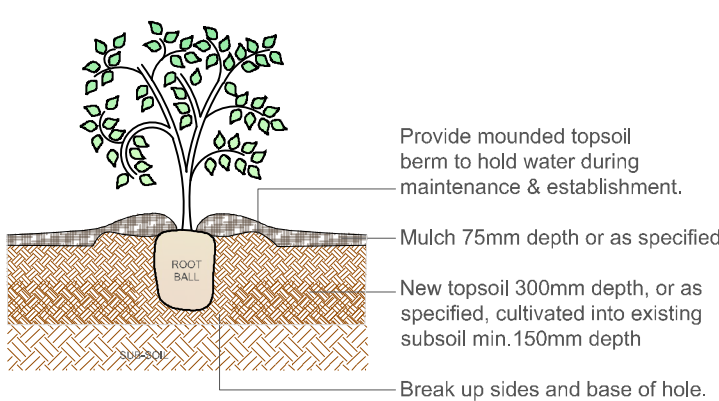
SYM	BOTANICAL NAME	COMMON NAME	DE/NE	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	QTY
<b>TREES</b>						
Al	<i>Acacia implexa</i>	Lightwood	EN	7 x 8m	2mH	2
Al	<i>Allocasuarina littoralis</i>	Black Sheoak	EN	7 x 4m	2mH	2
Cc	<i>Corymbia citriodora</i>	Lemon-scented Gum	EN	20 x 12m	2mH	3
Ec	<i>Eucalyptus leucocarpa</i> ssp. <i>comata</i>	Melbourne Yellow Gum	EN	12 x 8m	2mH	2
Ev	<i>Eucalyptus ornata</i>	Sw amp Gum	EN	10 x 8m	2mH	1
<b>TOTAL</b>						<b>10</b>
<b>SHRUBS</b>						
Aa	<i>Acacia acinacae</i>	Gold Dust Wattle	EN	2 x 3m	Tubes	
Bs	<i>Bursaria spinosa</i>	Sw eet Bursaria	EN	4 x 3m	Tubes	
Cr	<i>Cornea reflexa</i>	Common Correa	EN	1 x 1m	Tubes	
Dv	<i>Dodonaea viscosa</i> subsp. <i>apiculata</i>	Wedge-leafed Hg Bush	EN	3 x 3m	Tubes	
Li	<i>Lycopodium longimanum</i>	Wedge-leafed Fern	EN	4 x 3m	Tubes	
Sa	<i>Solanum elaeagnifolium</i>	Kangaroo Apple	EN	3 x 3m	Tubes	
<b>TOTAL</b>						
<b>GROUNDCOVERS &amp; GRASSES</b>						
Op	<i>Carex appressa</i>	Tall Sedge	EN	0.8 x 0.8m	Tubes	
Hr	<i>Hardenbergia violacea</i>	Falae Sarsaparilla	EN	Spreading	Tubes	
Li	<i>Lomandra longifolia</i>	Spry-headed Bell-bush	EN	1 x 1m	Tubes	
Mp	<i>Myoporum parvifolium</i>	Creeping Bobbala	EN	0.2 x Spreading	Tubes	
P	<i>Poa labillardieri</i>	Tussock Grass	EN	0.8 x 0.8m	Tubes	
Pm	<i>Poa monnialii</i>	Silky Tussock Grass	EN	0.3 x 0.4m	140mm pot	
<b>TOTAL</b>						

- Notes:**  
- 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).

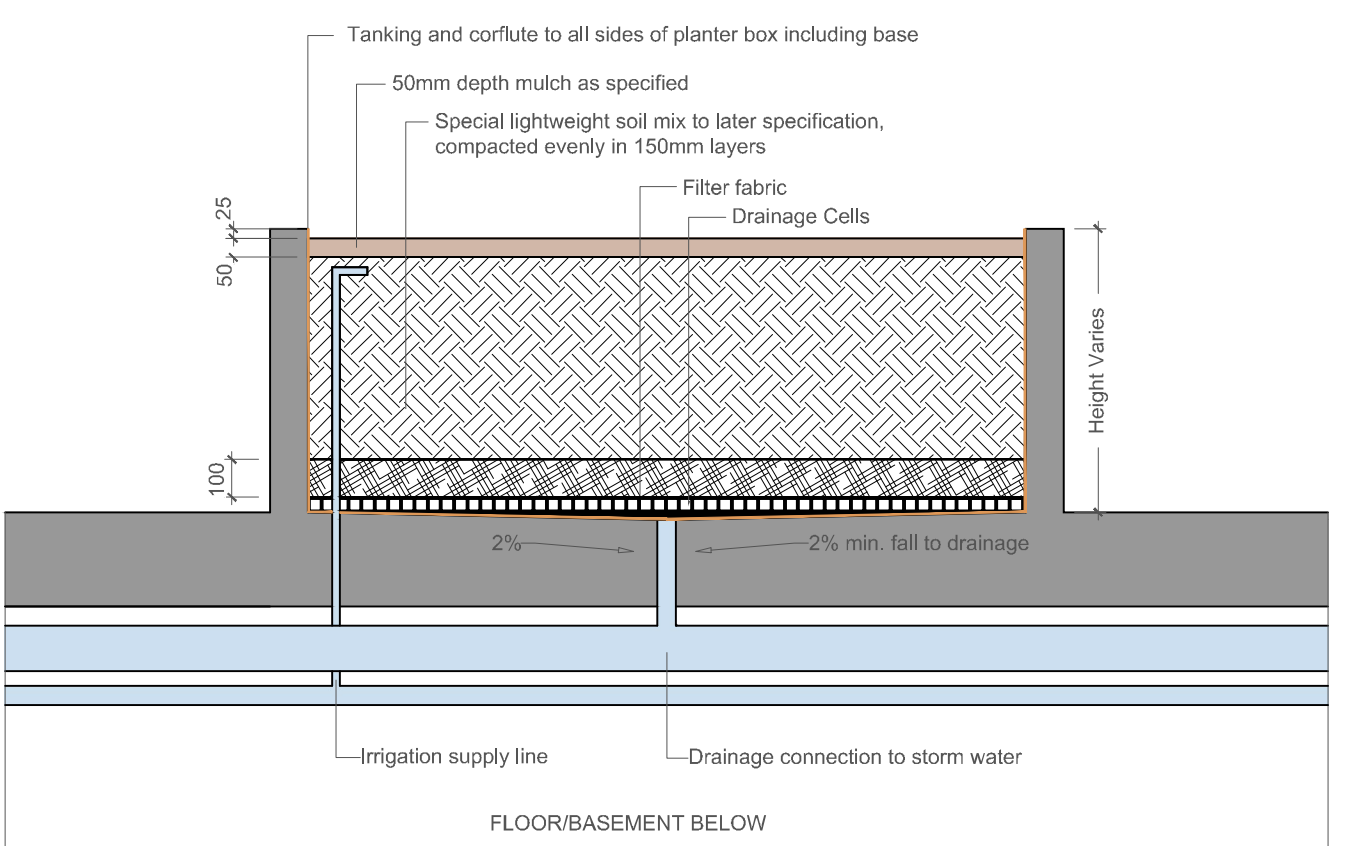
#### TYPICAL PLANTING DETAILS



D1 TYPICAL TREE PLANTING DETAIL  
Scale 1:20



D2 TYPICAL SHRUB PLANTING DETAIL  
Scale 1:20



D3 TYPICAL LIGHTWEIGHT PLANTER BOX DETAIL  
Scale 1:20

#### EXISTING TREE SCHEDULE

No.	BOTANICAL NAME	COMMON NAME	HEIGHT X WIDTH	Tree Protection Zone (TPZ) Radius	RETAIN REMOVE	COMMENTS
<b>TREES</b>						
1	<i>Eucalyptus grandis</i>	Flooded Gum	14x9	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	13x8	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	7x6	2.4m	Remove	Reserve tree/subject to Council approval
7	<i>Eucalyptus ornata</i>	Silver Gum	8x5	2.4m	Remove	Reserve tree/subject to Council approval
8	<i>Pinus radiata</i>	Radiata Pine	28x12	10.8m	Remove	Reserve tree/subject to Council approval
9	<i>Olea europaea</i>	Olive	9x9	2.4m	Remove	Reserve tree/subject to Council approval
10	<i>Olea europaea</i>	Olive	9x9	2.4m	Remove	Reserve tree/subject to Council approval
11	<i>Olea europaea</i>	Olive	8x7	2.4m	Remove	Reserve tree/subject to Council approval
12	<i>Olea europaea</i>	Dead	0.0m	0.0m	Remove	Dead
13	<i>Eucalyptus sp.</i>	Eucalypt	9x4	3.0m	Remove	Reserve Tree/Med. Arb. value
14	<i>Populus x canadensis</i>	Grey Poplar (v4)	15x7	3.5m	Remove	Reserve tree/subject to Council approval
15	<i>Eucalyptus baxteri</i>	Brown Stringybark	16x9	9.0m	Retain	Reserve Tree/Med. Arb. value
16	<i>Eucalyptus sp.</i>	Eucalypt	5x5	3.5m	Remove	Reserve tree/subject to Council approval
17	<i>Eucalyptus melliodora?</i>	Yellow Box	7x7	3.0m	Retain	Reserve Tree/Med. Arb. value