

GOLF COURSE

SPECIFICATION NOTES

Soil Preparation
Crushed rock, concrete rubble and any other material reactive to plant growth (e.g. large rocks) shall be removed from the site at all planting beds and semi-advanced trees. All trees to be removed shall be stump ground and all rubbish/vegetative spoil is 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 stored 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 Z&C220. Holes (e.g. as the result of plant removal) and uneven soil levels may 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 (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 soil to a minimum depth of 100mm.

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 mounds of non-woody perennials and woody suckering weeds, is to be removed or appropriately contained using chemical means. The stumps of non-suckering woody perennials are to be stump 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-advanced tree planting holes 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 rootball to hold water. All plants are to be thoroughly watered after planting and new release fertilizer 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 covered by volume (predominantly non-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 garbage, 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.

Aggregate Gravel Surface
Aggregate gravel is to be installed where shown comprising of a 50mm layer of gravel (17.4mm granules) or similar, no finer) over a base course of 75mm deep grey compacted Fine Crushed Rock. The subgrade is to be appropriately compacted.

Timber Edges
Provide 75 x 25mm treated pine edges to all borders between gravel multi paths and garden beds using 75x25x300mm long treated pine stakes at 1200mm maximum centres. An additional stake is to be provided at joins in the plants.

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 specifications. The system is to be connected to mains supply and include a rain-shut-off device. All drip-line 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
"Supreme" turf leaf buffed 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 fertilized with an appropriate lawn starter at the quantities recommended by the manufacturer.

Repair/Restoration of damaged Nature-strips
Nature strips are to be restored to current grades with any depressions filled with topsoil to a slow release fertilizer at the quantities recommended by the manufacturer. Areas are then to be re-seeded using an appropriate and matching turf type and the area fenced off to allow the re-establishment of lawn. Re-seeded areas are to be well irrigated and the area supplied with a slow release fertilizer 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.

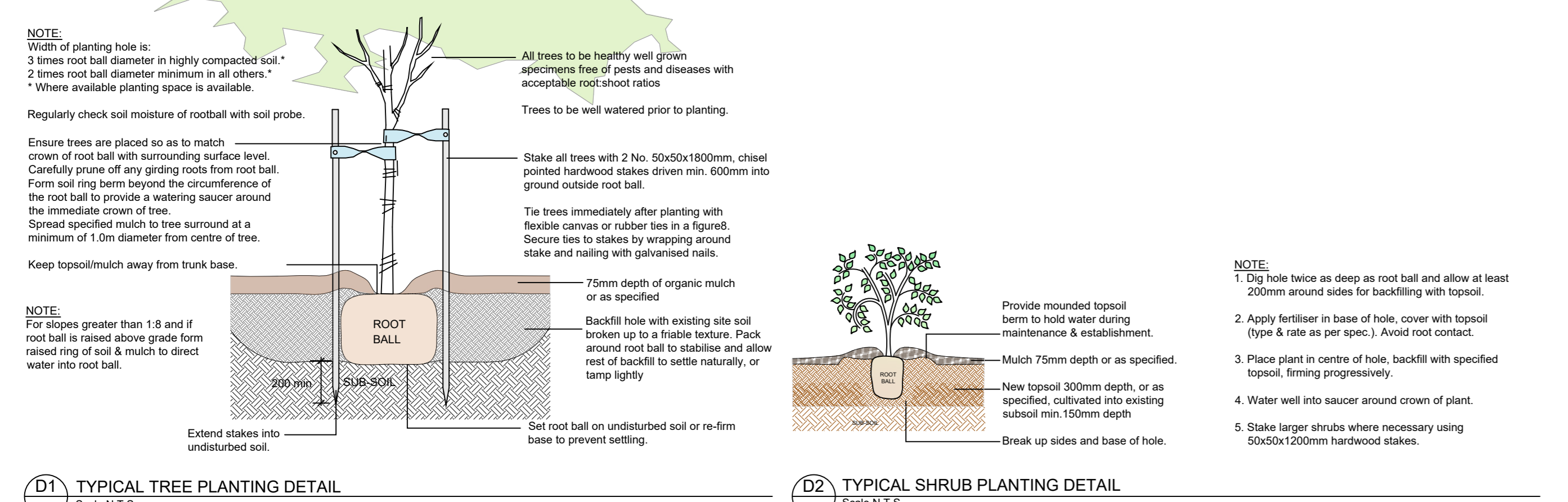
Plant Establishment Period
There shall be a 12 month Plant Establishment Period following the approval of Practical Completion by the responsible authority. During this period the landscape contractor shall make good all defects in further scope of the work. Maintenance and Establishment means the care and maintenance of the contact areas 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-planting and replacement of any plants that fail with plants of the same species and size.

LEGEND

- Existing Tree to be Retained
- Proposed Street Trees (Refer to Council Selection)
- Proposed Trees (Refer to Plant Schedule)
- Proposed Shrubs (Refer to Plant Schedule)
- Proposed Groundcovers & Grasses (Refer to Plant Schedule)
- Appropriate Rumpston Location (Refer to Plant Schedule)
- Proposed Climbers (Refer to Plant Schedule)
- Proposed Lawn Area (Refer to Specification)
- Proposed Permeable Pedestrian Path Surface (To Later detail)
- Proposed Permeable Paving (To Later detail)
- Proposed Paving (To Later Detail)
- Proposed Gravel Surface (Refer to Specification)
- Proposed Driveway/Roadway Surface (To Later Detail)
- Secondary Driveway/Roadway (To Later Detail)
- Reinstated/Required Nature-strip (Refer to Specification)



TYPICAL PLANTING DETAILS



PLANTING SCHEDULE

SYM	BOTANICAL NAME	COMMON NAME	DE/NE*	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	QTY
TREES						
A/OG	Acer rubrum 'October Glory'	Red Maple 'October Glory'	DE/EN	12 x 9m	50cm/2.0mH	6
CeN	Corymbia avicaria 'Nana'	Blue oak	EN	10 x 8m	50cm/2.0mH	22
Es	Callistemon salignus	Willow Bottlebrush	EN	7 x 4m	30cm/1.2mH	5
B	Eucalyptus necorum	Yellow Gum	EN	20 x 15m	30cm/1.2mH	19
Es	Eucalyptus scoparia	Valparaiso White Gum	EN	10 x 9m	50cm/2.0mH	15
Hb	Habea succulenta 'Red Powers'	Red Powers Hakea	EN	4 x 3m	50cm/2.0mH	25
LxB	Lagerströmia indica 'L. Sumner' 'Blair'	Blair Crape Myrtle	DE/EN	7 x 5m	50cm/2.0mH	14
SIS	Syringa floribunda 'Sivester'	Sivester Weeping Lily-bush	EN	10 x 5-8m	50cm/2.0mH	3
TI	Tristramia laurina 'Luscious'	Luscious Kanooka/Water Gum	EN	8 x 5m	30cm/1.2mH	9
				TOTAL		118
SHRUBS						
Cr	Cornus reflexa	Common Cornus	EN	1 x 1m	140mm pot	
Dv	Dodonaea viscosa	Skullc Hb-bush	EN	1.5 x 1.3m	140mm pot	
Gc	Guzmania maculata	Largely-erect Couch-grass	EN	1.3 x 1m	140mm pot	
Mp	Murraya paniculata	Orange Jessamine	DE/EN	2 x 1m (S/Sp/Ed)	200mm pot	
Ph	Philotheca myoporoides	Wax Flower	EN	1.5 x 1.5m	140mm pot	
Rc	Rapanea candicans	Seaberry Saltbush	EN	2 x 1-1.5m	140mm pot	
Sals	Syzygium australe 'Bush Christmas'	Bush Christmas Lily-bush	EN	2.3 x 1.2m	200mm pot	
				TOTAL		118

TO LATER DETAIL

SYM	BOTANICAL NAME	COMMON NAME	DE/NE*	HEIGHT X WIDTH AT MATURITY	MIN SUPPLY SIZE	QTY
GROUNDCOVERS						
Bb	Bubbia bulbosa	Bubbia Lily	EN	0.2-0.5 x 0.3m	140mm pot	
BD	Brachycome multifida 'Break O Day'	'Break O Day' Cut-leaf Daisy	EN	0.3 x 0.4m	140mm pot	
Ca	Chrysanthemum apiculatum	Common Broomfennel	EN	0.5 x 0.8m	140mm pot	
Da	Dianella arctica	Black Anther Flax Lily	EN	0.5 x 0.8m	140mm pot	
DCB	Dianella caerulea 'Cassia Blue'	Cassia Blue Flax Lily	EN	0.5 x 0.4m	140mm pot	
Di	Dianella laevis	Flax Lily	EN	1 x 1-1.5m	140mm pot	
Fr	Fuchsia nodosa	Healthy Bush-rush	EN	0.5-1.5 x 0.5-1m	140mm pot	
Kp	Koeleria prolifera	Flaming Rush	EN	0.1 x 2m	140mm pot	
Lj	Lomandra longifolia	Spry-headed Mel-rush	EN	1 x 1-1.5m	140mm pot	
LH	Lomandra longifolia 'Hybrid'	Hybrid Mel-rush	EN	0.8-0.9 x 0.8-0.9m	140mm pot	
Mp	Mycoporum arbutum	Chewing Bookbark	EN	0.2 x 1.3m	140mm pot	
R	Rosa laurandina	Tussock Grass	EN	0.8 x 0.8m	140mm pot	
Scv	Stenandria 'Mature Clusters'	Mature Clusters Fan Flower	EN	0.3 x 0.8m	140mm pot	
Tb	Thalictrum aquilegifolium	Chewing Bookbark	EN	0.2 x 1.3m	140mm pot	
Tb	Thalictrum aquilegifolium	Chewing Bookbark	EN	0.2 x 1.3m	140mm pot	
Wv	Wahlenbergia stricta	White Wahlenbergia	EN	0.4-0.5 x 0.3-0.4m	140mm pot	
				TOTAL		118
CLIMBERS						
Ar	Aphanopetalum retiosum	Gum Vine	EN	Climber	140mm pot	
Hb	Hardenbergia violacea	Pink Starburst/Hardenbergia	EN	Climber/Scrambler	140mm pot	
Pb	Passiflora peruviana	Wonga Wonga Vine	EN	Tree Climber	140mm pot	
R	Parthenocissus tricuspidata	Boston Ivy	DEX	Self-climbing Climber	140mm pot	
				TOTAL		4

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D1 TYPICAL TREE PLANTING DETAIL Scale: 1:5

D2 TYPICAL SHRUB PLANTING DETAIL Scale: 1:5

NOT FOR CONSTRUCTION

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REVISION	DATE	BY
1	18 FEB 2020	PK
2	18 MAY 2020	PK

CLIENT	SCALE
GOLF ROAD LAND PTY LTD	1:100 @A0
LANDSCAPE ARCHITECTS PTY LTD	JAN 2020
PROJECT	DATE
RESIDENTIAL DEVELOPMENT	JAN 2020
52 GOLF ROAD, OAKLEIGH SOUTH	DRAWN
	PK
	CHECKED
	PK
	JOB NO
	18420-REV09
	DWG NO
	18420
	CAD FILE
	18420-REV09.dwg