

V3 20th Jan 2022

GOLF COURSE CONSTRUCTION SPECIFICATION

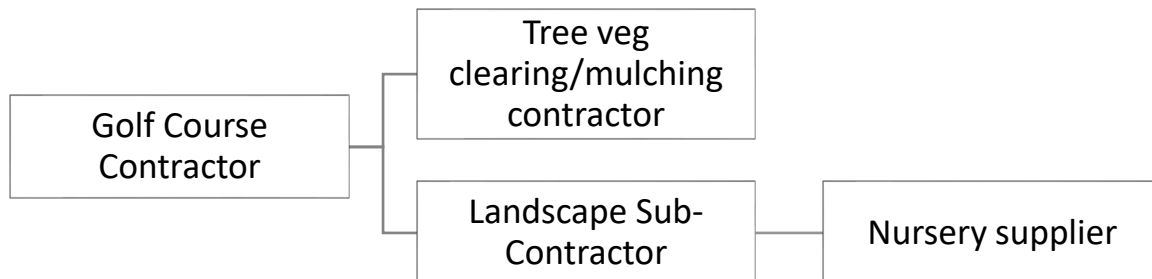
Stage 1: Green Course Holes 1-9

IGC LANDSCAPE SPECIFICATIONS

The purpose of this document is to support the Perrett Webb Golf Course Construction Specification by clarifying the scope and specifications of Landscape works in Stage 1.

1. Responsibilities

Landscape work shall be carried out under the control of the primary Golf Course Contractor, by a one of the nominated Landscape Sub-Contractors, who in turn will sub-contract the growing-on and supply of plant material to one or more of the nominated Nursery Suppliers (see Figure 1) The Landscape Contractor is to coordinate the topsoiling by Principal Contractor. , arrange and spread the of mulch, arrange the nursery supply, monitor the contract grown nursery stock supplies and undertake all planting and establishment maintenance.



2. Nominated Landscape and Nursery Contractors

Nominated Landscape

Everscapes	Ph. 3069 3231
Sod Landscaping	Ph. 3315 2611
Yards Landscaping	www.yards.com.au
Eureka	Ph. 3350 8300

Nominated nurseries

Instant Green	Ph. 3888 1758
Ibrox Park	Ph. 3349 8696
Aspley Nursery	Ph. 5498 5652
Plants Direct	Ph. 5449 1909

3. Scope of Landscape planting

Shall be in accordance with the Drawings PW-10 (Landscape Concept Plan), and of the species chosen from the Planting Palette component of PW-10. The scope of planting will include:

- trees in Closed Forest, Open Forest and Accent tree planting types,
- all Wetland & Water bodies plantings
- all medium shrub plantings
- all small shrub and ground cover plantings outside of Closed and Open Forest areas
- all Transition Decorative ground cover and shrub plantings

Prior to contract commencement, the Landscape Contractor will be provided with detailed Planting Plans for each hole with area by area species mix, stock sizes and plant numbers. All tree stock must conform to AS 2303 Tree Stock for Landscape Use and self supporting.

Table 1. below provides estimated planting areas, plant numbers, planting detail, site preparation and indicative stock sizes. Indicative planting detail is provided in Appendix 1 and Indicative Planting densities in Appendix 2. Final areas, plant numbers & container sizes will be provided with the detailed Planting Plans

Table 1. LANDSCAPE PLANTING

Landscape treatment type In areas shown on Landscape Concept Plans PW-10	Estimated area	Indicative plant number	Ground level treatment	Indicative Planting stock sizes and their percentages
Closed Forest	52,937 m2	529 Canopy trees 1588 understory trees	50mm Forest Mulch# over 150mm topsoil	60% tubestock (90mm Space saver) 20 % @140mm, 15% @250mm, 5% 45 litre* (all with location stake)
Open Forest	19,052 m2	190 canopy trees	50mm Forest mulch over 150mm topsoil	60% tubestock and 20 % @140mm, 10% @250mm, 10% 45 litre* (all with location stake)
Wetland planting	620 lineal metres	2790	Slope batter < 1:4	100% Tubestock at final spacing
Transition planting	3,424 m2	8,560	80% area 50mm Forest mulch with 20% of area Medium hoop pine	Min 140mm GC and shrub planting stock
Medium shrub	2,578 m2	2,578	50mm Forest mulch over 150mm topsoil	100% Tubestock at final spacing
Small shrub/ground cover	18,290 m2	45,725	50mm Forest mulch over 150mm topsoil	100% Tubestock at final spacing

Forest mulch sourced from on-site cleared, chipped and stored tree waste. Hoop pine mulch to be provided by landscape contractor

**some larger stock will be relocated tree spaded material by others. The Landscape Contractor will need to coordinate with tree spade operator., other would be up to 45 litre nursery stock*

The following rates shall be provided in addition to the lumpsum price for landscaping:

- Mulching – \$ per 100m2 - spreading mulch over topsoil spread by others
- Plant supply and planting – \$ per stock size specified (average \$ plus price for less common species, inclusive of growing contract costs)
- Landscape establishment - \$ per month

4. Topsoil

Topsoil will be sourced from reused fairway, greens and tee preparations and stored on site. Any additional topsoil imported to site for landscape use will conform to AS 4419 Soils for Landscape and Garden Use, be certified Fire Ant free, and be priced, for the purposes of this Tender, at a rate per 10m³

5. Mulch

Mulch is predominantly sourced from tree and vegetation green waste stored on site on-site in locations nominated by the Club. Green waste will be generated from both the above ground vegetation parts and excavated stump material. The final "forest mulch" product is to include wood chipped and ground material no greater than 75mm particle size. Mulching in landscape areas shall be applied at depth of 50mm.

A Price should be included for additional imported forest mulch, conforming to AS 4454 Compost, Soil conditioners and Mulch, be certified Fire Ant free and be priced, for the purposes of this Tender at a rate based on commercial delivery loads such as 25 to 40 m³

A price should also be provided to supply and spread medium hoop pine bark to transition decorative areas specified on the detailed Planting Plans

6. Phasing of Landscape planting

The phasing of landscape work must be co-ordinated with the phasing of earthworks, golf finishing and turfing works. Prior to the commencement of planting, the automatic irrigation system shall have been completed and commissioned. As a part of that system, regular take-offs will be provided for hose connections to manually water new plantings post planting and throughout the establishment period. Irrigation take off points installation and operation must precede every stage of planting to ensure efficient watering of new plants.

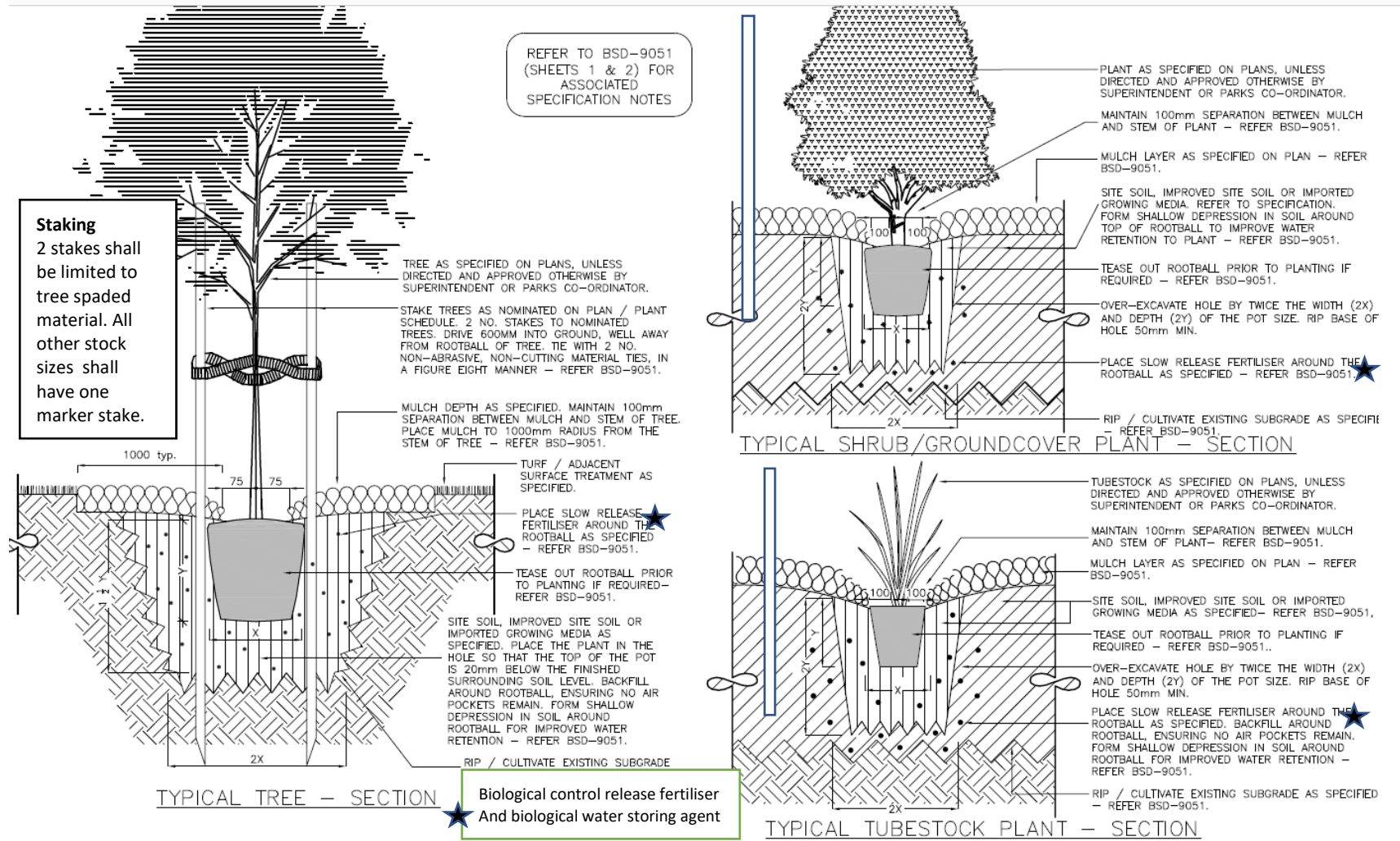
7. Landscape Establishment

The Landscape Contractor is responsible for a 12 week establishment period post planting, conforming to industry best practice, in scope, and the replacement of failed stock, outside of natural disasters, before being handed over to the Principal. The Landscape Contractor shall provide a schedule of care to the Principal Contractor for the installed planting to ensure both structural stability, physiological health, weed control and new growth of all plantings is achieved by the completion of the establishment period.

Only Glyphosate-free herbicides can be used as a weed control.

A monitoring report following the first 6 weeks of establishment is also required.

APPENDIX 1 Indicative Planting details



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APPENDIX 2

Indicative Planting densities

Closed forest

1 canopy tree and 3 understorey trees per 100m²

Open forest

1 canopy tree per 100m²

Water edge/wetland community

4.5 macrophyte plants per m²

Groundcover planting edging play

2.5 groundcover plants/low shrubs per m²

Screening using shrubs

1 shrub per m²

add 'Transition decorative...