

Yanco BESS

Landscape Concept Plan

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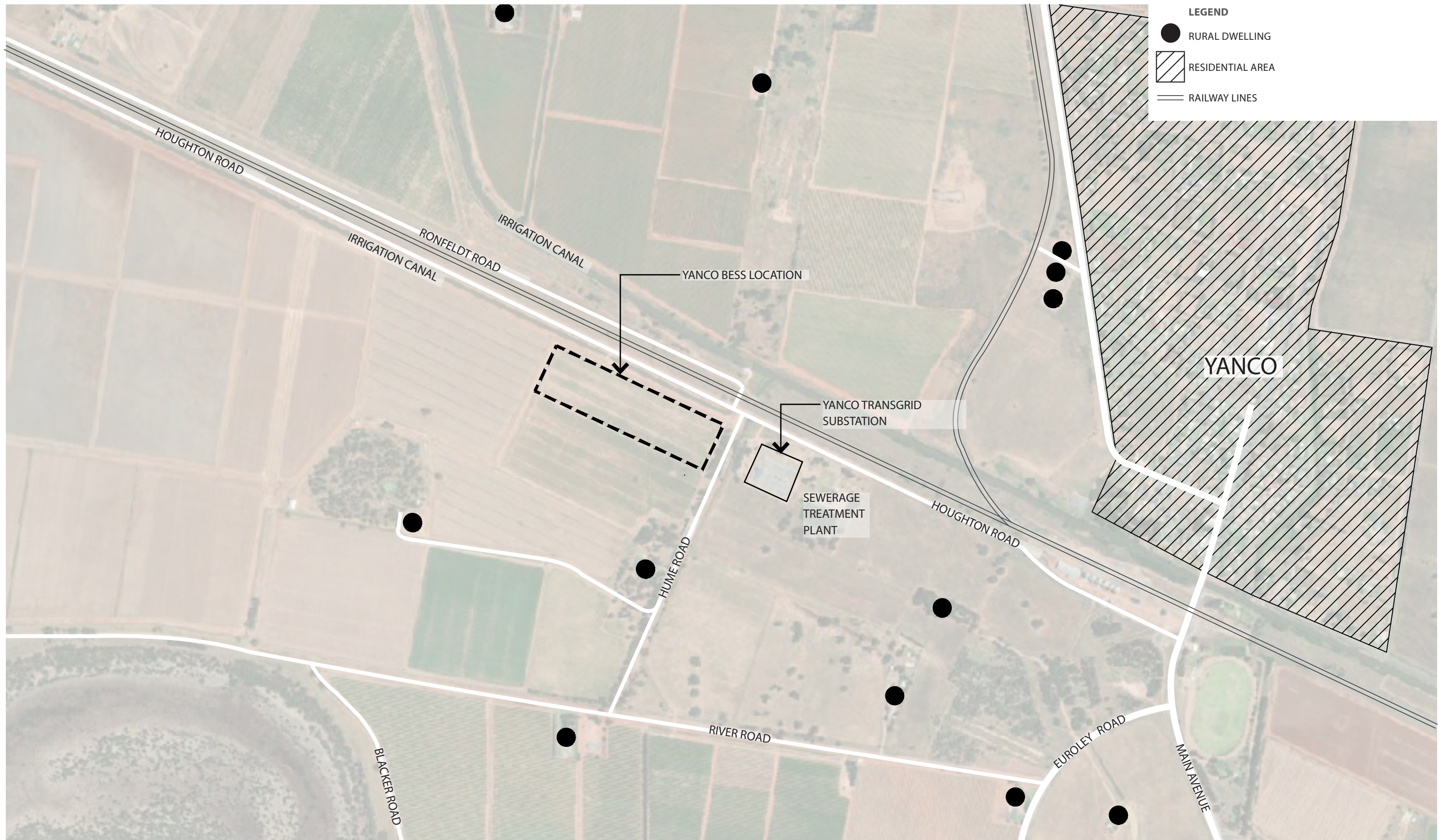
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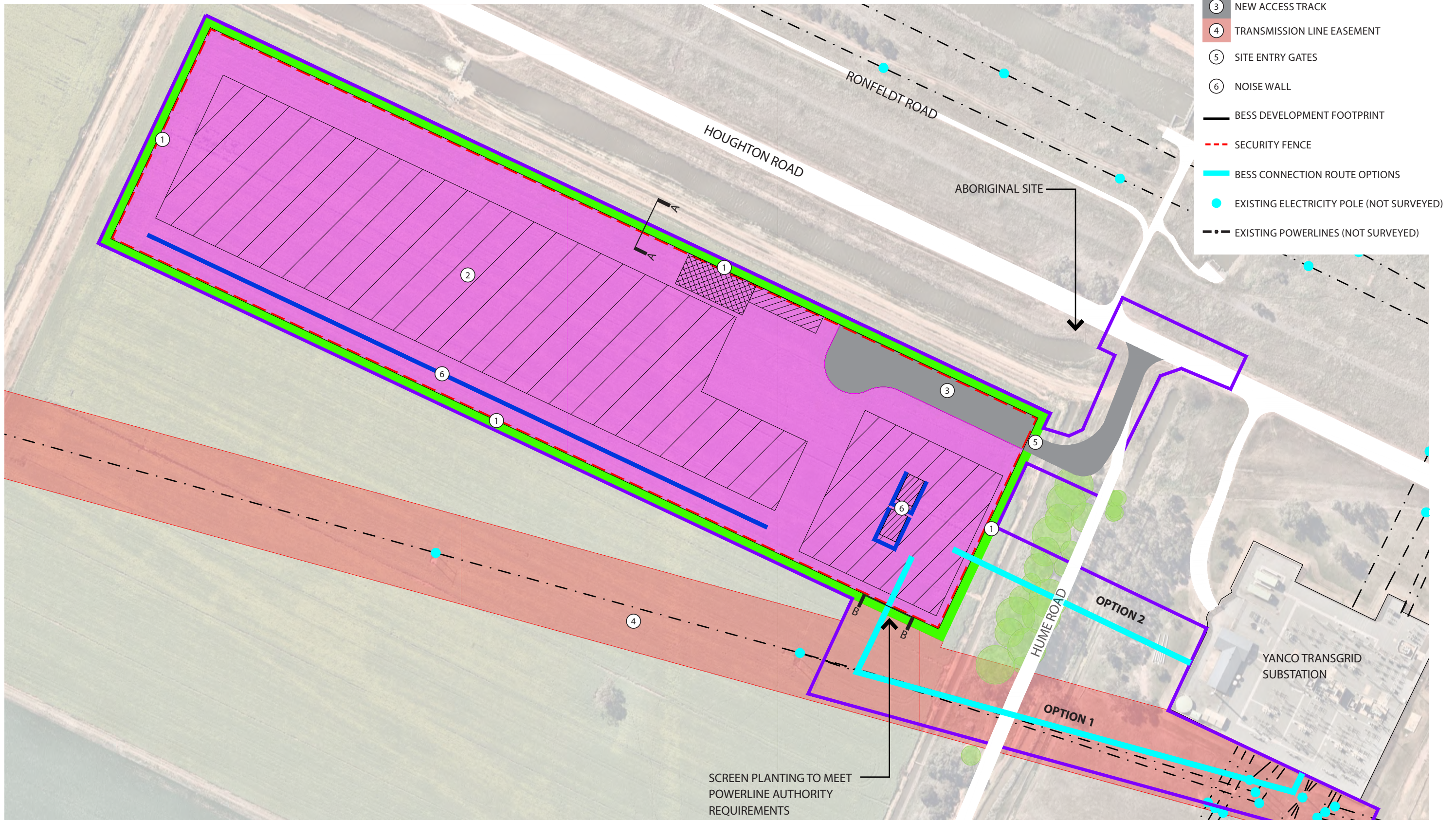
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1.0 Landscape Context Plan



1.1 Landscape Concept Plan



2.0 Landscape Type - Native screen planting

General Notes

A mix of native trees and shrubs with a dense and compact habit have been selected to provide maximum screening effect.

The plant list has been prepared from the following sources:

- NSW Government (Office of Environment & Heritage), Riverine Plain Grasslands
- NSW Flora Online – PlantNET – All taxa collected in a 1km radius around YANCO (146.41666,-34.6)
- NSW Government, Local Land Services, 2016, Planting your patch. A guide to revegetation on your property.

The plant list includes a mix of long-lived species, and fast growing 'pioneer species' such as Acacia and Dodonea. Pioneer species establish quickly and form an effective visual screen in the short term. While some of these pioneer species are relatively short lived (i.e. 7-12 years), they will disperse seed and new plants will regenerate so that a self-sustaining vegetation screen is maintained over the long term. Pioneer species assist with weed management, fix nitrogen in the soil and support the growth of longer-lived species, such as Eucalypts.

Revegetation Notes

- Revegetation works shall be scheduled for seasons when evaporation and plant transpiration are low, typically autumn through to early spring. Only plant when there is a good soil moisture profile.
- The revegetation contractor shall engage a suitably qualified Agronomist to undertake soil testing and prepare written recommendations for soil amelioration suitable for the specified planting.
 - Planting area to be slashed and sprayed with a knock-down herbicide.
 - Soil to be ripped to 300mm depth in a minimum of two passes. Rip subsoil parallel to the contours where possible. Do not rip if subsoil is wet or plastic.
 - Incorporate ameliorants strictly in accordance with the Agronomist’s written recommendations.
 - Cultivation or harrow planting area to break-up larger soil clods and reduce air-pockets.
 - Planting areas to be covered with 100mm thick well composted organic mulch (to hold moisture and suppress weeds)
 - Plants shall be 50 x 50 mm tubestock or similar. Plants shall be vigorous, well established, of good form, not soft or forced, free from disease and insect pests. They shall have large healthy root systems, not root bound and all trees with a single leading shoot appropriate to their natural form. All plants are sun hardened to the site climatic conditions.
 - Controlled / slow-release fertilizer, minimum 6 month, shall be placed in each planting hole at the time of planting in accordance with the manufacturer's application rate.
 - All plants shall be installed with a biodegradable ‘tree guard’ (Grow tube). Nom 450mm high, staked in accordance with the manufacturer’s written recommendations.
 - Actively maintain the planting during 12 week establishment period, followed by a 21 month monitoring period (total of 24 months)

Activities during establishment and monitoring periods shall include:

- o Maintaining moisture levels to prevent plants from drying out and to provide optimum conditions for plant establishment and growth.
- o Managing weed infestations. Weed control preferably by hand removal or by registered application of herbicide.
- o Replacing dead and missing plants with identical species. If a particular plant species has a high mortality rate consideration may be given to a substitution of a more suitable plant species.
- o Replacing damaged or missing tree guards and ensure that trees and guards are secure to their stakes.
- o Removing tree guards when the plants are 1.5m times the height of the guard.
- o Provide slow-release fertilising (3–6 month) of plant material suffering discoloration by placing fertiliser around plant stem or use spiking method to reduce surface weed growth.
- o Monitor all plants for health and disease. Where necessary seek written recommendations from a suitably qualified horticulturalist and implement accordingly.

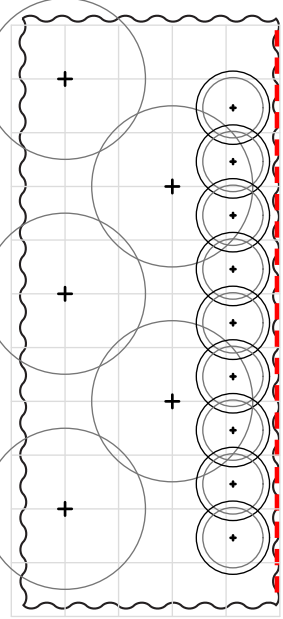
Plant Species List

Scientific Name	Common Name	Height at Maturity
Canopy Trees		
<i>Acacia implexa</i>	Lightwood	15m
<i>Acacia mearnsii</i>	Black Wattle	10m
<i>Allocasuarina luehmannii</i>	Buloke	5-15m
<i>Brachychiton populneus</i>	Kurrajong	10m
<i>Eucalyptus dwyeri</i>	Dwyer's Red Gum	15m
<i>Eucalyptus rossii</i>	Inland Scribbly Gum	15m
<i>Geijera parviflora</i>	Wilga	8-10m
Screening Shrubs		
<i>Acacia deanei</i>	Deane's Wattle	1.5-7m
<i>Acacia decora</i>	Western golden wattle	2m
<i>Acacia pendula</i>	Myall	5-10m
<i>Chenopodium nitriaceum</i>	Nitre Goosefoot	2m
<i>Dodonaea viscosa</i>	Hop-Bush	3m
<i>Melaleuca lanceolata</i>	Black Paperbark	10m
<i>Pittosporum phillyreoides</i>	Butterbush	10m
<i>Senna artemisioides</i>	Silver Cassia	2m
Small Shrubs & Groundcovers		
<i>Dianella admixta</i>	Black-anther Flax-lily	
<i>Lomandra longifolia</i>	Mat-rush	

Typical Plant Set out Detail (Indicative)

Trees and shrubs will be staggered to maximise the screening effect as per the following diagram.

TYPICAL SETOUT PLAN



LEGEND

- ⊙ TREES
- ⊗ SCREENING SHRUBS
- ◊ SMALL SHRUBS & GROUNDCOVERS
- - - SECURITY FENCE

NOTE:
Plant Species will be evenly mixed.

2.1 Typical Section A - Native Screen Planting



2.2 Typical Section B - Screen Planting where connection route crosses Boundary

