



BUSH REGENERATION PLAN 1 : 500

NEW BUSH REGENERATION AREAS: PREPARATION;

The proposed new bush regeneration areas are to be prepared as follows. All works are to be done under the supervision of a qualified bush regenerator. Eradicate all weed and grass species, retain any native trees and shrubs. Ensure that all recently regraded or mounded areas have a minimum of 250mm depth of stockpiled site topsoil. Spread 50mm depth of stockpiled mulch (obtained by shredding site vegetation) over the entire area.

PLANTING;

Plant a representative sample of "Swamp Mahogany-Paperbark Swamp forest species" throughout the areas as follows:

Trees: - (Plant one tree per 4m2)

- Eucalyptus robusta (50%)
- Glochidion ferdinandi (20%)
- Melaleuca quinquenervia (5%)
- Casuarina glauca (20%)
- Melaleuca linarifolia (5%)

Shrubs: - (Plant one shrub per 1m2)

- Acacia longifolia (30%)
- Gahnia clarkei (40%)
- Omalanthus populifolius (30%)

Groundcovers: - (Plant two per 1m2)

- Blechnum indicum (15%)
- Entolasia marginata (15%)
- Hypolepis muelleri (15%)
- Viola hederacea (15%)
- Pteridium esculentum (15%)
- Poa poiliformis (15%)
- Phragmites australis (10%)

NOTE: All plant material is to be propagated from locally occurring species from the site or within a 5km radius of the site. Plants are to be tubestock size prior to planting.

MAINTENANCE:

The new bush regeneration areas are to be maintained for a period of two years. The maintenance is to be performed under the supervision of a qualified bush regenerator who is to visit the site at three monthly intervals, at each visit the areas are to be weeded and re-mulched, any plants which have died are to be replaced. For the first three month period, plants may require supplementary watering to ensure their survival.

NOTE: TREE REMOVAL:

In accordance with Gosford Councils landscape and Vegetation Management Policy, trees to be removed shall be sectionally dismantled to avoid damage to surrounding vegetation. All hollow bearing trees, living or dead shall be retained unless approval is gained from Councils officers. Subsequent sectional dismantling of any hollow bearing trees shall be undertaken to preserve the hollow section. This hollow section shall be placed in a similar position of a similar sized tree located elsewhere on site. If the hollow section is destroyed during the works it shall be replaced with an appropriately designed nesting box. A suitably qualified professional (Ecologist, Wires representative) shall be on site to care for and locate any fauna residing in hollow bearing trees to be removed.

LEGEND

- New Turf**
New turf areas: turf to be cultivated "Couch"
- Area to be Seeded**
Proposed grass areas to be seeded. Spread 100mm depth stockpiled site topsoil, seed with various grass species (no kikuyu)
- Existing grass area to be retained**
Existing grass to be mown regularly
- Timber garden edging**
Refer to detail on drawing No. L-02
- 1800mm High Chainwire fence**
- Proposed garden beds**
New garden beds, see detailed plan (Dwg No. L-02)
- New Bush Regeneration area**
Eradicate all existing weeds and grasses. In the areas that have been mounded or regraded, ensure that 250mm of site topsoil has been spread over the surface. Spread 50mm depth mulch (Mulch to be from stockpiles of shredded site vegetation, if insufficient quantities are available, obtain Eucalyptus mulch from a local supplier). Plant selected species (as noted above), and maintain all new plants.
- Preservation Zone**
Area to be fenced off to allow natural regeneration of local Eucalypts etc...
Area to be subject to implementation of a regular weed control program under the supervision of a qualified bush regenerator for a period of two years.

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| 10.10.03 | Include revisions as marked in Red by the Court | H |
| 04.03.03 | Include major portions of the site as bushland regeneration areas as required by Council | G |
| 13.02.03 | Reposition Service Station Convenience store | F |
| 28.10.02 | Include three additional 'street car' spaces | E |
| 03.10.02 | Include seeding & regrading to Eastern end of site | D |
| 19.09.02 | Delete Automotive Units | C |
| 09.04.02 | Include indigenous species and additional tree-planting areas to Council requirements | B |
| 20.03.02 | DA/CC Issue | A |
| DATE | AMENDMENT | ISSUE |

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Project:
PROPOSED NEW SERVICE STATION

Empire Bay Drive,
EMPIRE BAY

For:
 BOYANA Pty Ltd

DRAWING TITLE

BUSH REGENERATION PLAN

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|--------------------------|-----------------------------|--------------------|
| Issue: Revised DA | Issue date: 10/10/03 | Issue No: H |
| File name: | | Drawing No: |
| Drawn: HK | Scale: 1:500 | L 01 of 2 |
| Checked: | Project No: 0127th | |