

Syncarpia Vegetation Management

24 Windsor Street Tarbuck Bay Mob: 0417398050
Email:juliastanton@ozemail.com.au ABN: 70 451 712 942

Lot 121 DP 12749, 57 Robertson Road Scotland Island.

Boundary Fence – Harwood & metal & wire with 150mm footings

This report provides recommendations for tree management & protection in relation to construction of boundary fence.

The following documentation has been reviewed

- Site Plan & elevation, boundary fence 57 Robertson Road prepared by Stephen Crosby and Associates dated August 2018.

Fifteen (15) existing trees are located within 5m of the proposed boundary fence. Excavation is proposed for 150mm footings to be located at approximately 2m intervals, although it is understood that footing locations have some flexibility to accommodate tree roots that may be encountered.

No existing trees are proposed for removal and the following recommendations have been detailed to minimise impact on existing trees

Tree protection & management recommendations

- **All excavation within 5m of existing trees to be undertaken by hand.**
- **Footings to be relocated to avoid cutting roots greater than 50mm if encountered during excavation.**

Tree 1 is a semi-mature specimen of *Corymbia maculata* (Spotted Gum) in fair health & condition, adjacent to electricity wires, existing road & existing boundary fence. (Height 16m, Crown: 5m DBH: 380mm). Multiple lower branch stubs, sparse reduced crown, with some tip dieback & epicormics growth. First footing is approximately 2.5m from this tree, within calculated TPZ.

Tree 2 is an immature specimen of *Allocasuarina torulosa* (Forest Oak) in fair health & poor – fair condition, adjacent to existing road & electricity wires. Large basal trunk wound with a sparse reduced crown. (Height: 7m, Crown: 1.5m, DBH: 150mm). Located 2m from proposed boundary fence and footing. Footing located outside calculated TPZ

Tree 3 is a semi-mature specimen of African Olive in good health & condition. This is listed as an exempt species.

Trees 4, 5, 6 & 7 are small trees / large shrubs that provide boundary screening between the adjacent properties. All four specimens have been lopped and pruned multiple times.

Tree 4 is a semi-mature specimen of *Elaeocarpus reticulatus* (Blue Berry Ash) in good health & fair condition, which has been previously lopped (Height: 6m, Crown: 3m, DBH: 120mm). This tree is located 2m from proposed boundary fence.

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Tree 5 is a semi-mature specimen of *Ficus coronata* (Sandpaper Fig) in good health & fair condition, which has been previously lopped (Height: 6m, Crown: 2m, DBH: 130mm). This tree is located 2m from proposed boundary fence.

Tree 6 is a semi-mature specimen of *Ficus coronata* (Sandpaper Fig) in good health & fair condition, which has been previously lopped (Height: 5m, Crown: 2m, DBH: 160mm). This tree is located 1.5m from proposed boundary fence.

Tree 7 is a semi-mature specimen of *Ficus coronata* (Sandpaper Fig) in good health & fair condition, which has been previously lopped (Height: 3.5m, Crown: 6m, DBH: 180mm). This tree is located 2m from proposed boundary fence

Trees 8 are three immature specimens of *Ficus coronata* (Sandpaper Fig) (Height: 3m) and are exempt under Northern Beaches Council TPO.

Tree 9 is a mature specimen of *Corymbia maculate* (Spotted Gum) in good health & condition (Height: 26m, Canopy: 12m, DBH: 650mm). Located 4m from proposed boundary fence & 4.5m from footing. Footing within calculated TPZ

In addition tree (3) young semi-mature specimens of *Backhousia myrtifolia* (Grey Myrtle) under 5m in height provide additional boundary screening and are also to be retained.

Tree 10 is a mature specimen of *Corymbia maculata* (Spotted Gum) in good health & condition (Height: 28m, Crown: 13m, DBH: 500mm) located on the adjacent property, 2m from proposed fence & 2.5m from footing. Footing located within calculated TPZ.

Tree 11 is a mature specimen of *Corymbia maculata* (Spotted Gum) in fair health & condition, with some deadwood, tip dieback & epicormics growth located 2m from boundary fence & 2.5m from footing. (Height: 20m, Crown: 9m DBH: 500mm). Footing located within calculated TPZ.

Tree 12 mature specimen of *Corymbia maculata* (Spotted Gum) with canopy removed, Epicormic foliage on trunk. Located 3m from boundary fence.

Tree 13 is a mature specimen of *Corymbia maculata* (Spotted Gum) in poor health & condition, with a significantly reduced crown, dieback & epicormics growth on trunk. (Height 17m, Crown: 6m, DBH: 450mm) Located 4m from proposed boundary fence. Footing located within calculated TPZ

Tree 14 is a mature specimen of *Corymbia maculata* (Spotted Gum) in good health & condition located adjacent to stairs 1.5m from proposed boundary fence, 2m from proposed footing (Height 22m, Crown: 12m, DBH: 480mm). Footing located within calculated CRZ.

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Tree 15 is a semi mature specimen of *Acacia implexa* (Hickory Wattle) in good health & fair condition, (Height 6m,Crown: 6m, DBH: 200mm)located 1m from proposed boundary fence, 2m from footing. Footing located within calculated TPZ.

Tree Protection recommendations in accordance with AS 4970 *Protection of Trees on Development Sites*. Australian Standards (2009).

- All excavation within 5m of existing trees is to be undertaken by hand.
- Footings to be relocated to avoid cutting roots greater than 50mm if encountered during excavation.
- Excavated soil is not to be disposed of within 5m of trees to be retained.
- Structural roots greater than 50mm must not be cut. If roots greater than 50mm are encountered during excavation and cannot be avoided the project arborist is to be notified. The project arborist is to assess and report on the likely impact of damage to the roots on the health and structural stability of the tree.

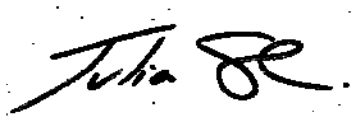
Conclusions

Fifteen (15) existing trees are located within 5m of the proposed boundary fence. Excavation is proposed for 150mm footings to be located at approximately 2m intervals, it is noted that final footing locations have flexibility to accommodate tree roots that may be encountered.

No existing trees are proposed for removal.

The following tree protection & management recommendations to minimise the impact of the proposed boundary fence on existing trees are to be adopted & implemented.

- **All excavation within 5m of existing trees to be undertaken by hand.**
- **Footings to be relocated to avoid cutting roots greater than 50mm if encountered during excavation.**



Julia Stanton **B.Sc. (Environmental and Urban Horticulture)**
27th September 2018
Arborist/Environmental Horticulturalist



Photo 1 Trees 1, 2 & 3

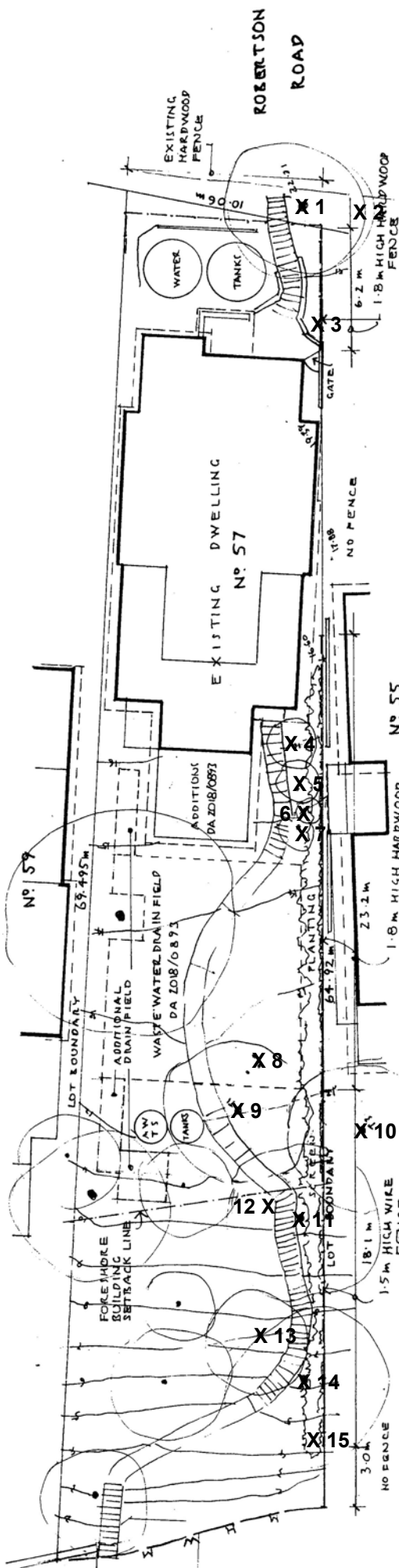


Photo 3 Trees 15, 14, 13, 12, 11 & 10



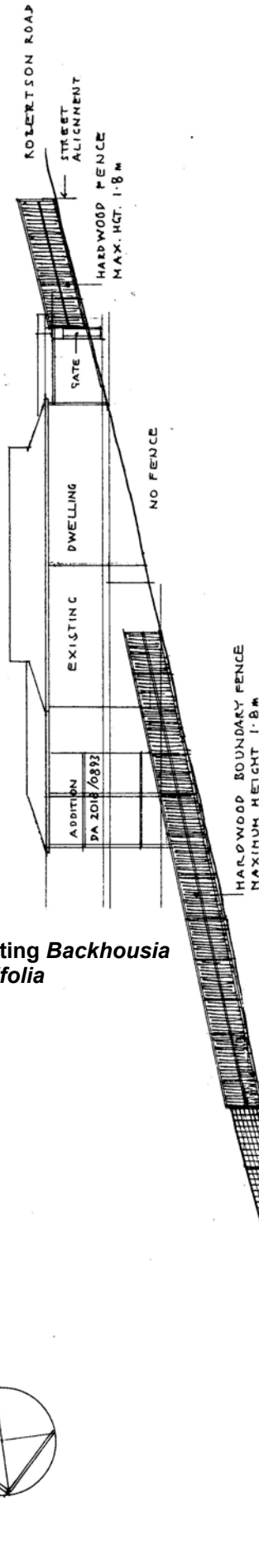
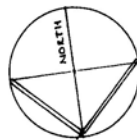
Photo 2 Trees 4, 5, 6 & 7

Site Photos
57 Robertson Road
Scotland Island
Boundary Fence
September 2018



Existing *Backhousia myrifolia*

SITE PLAN



Tree Survey
57 Robertson Rd
Scotland Island

SECTION

Stephen Crosby & Assoc.
Pty. Ltd.

SCOTLAND ISLAND
PO Box 204 Church Pt. NSW 2105
M 0469 047 513 E scrosby@intermod.com.au

BOUNDARY FENCE
57 ROBERTSON RD
SCOTLAND IS.
Lot 121 DP 12749

For
Drawing
R. RUSSO

SITE PLAN &
ELEVATION

Scale 1:200 AT A3
Date AUGUST 2018
Drawn S.C.
Drawing Number

2228 - DA 01