

20 April 2018

Report for Proposed Tree Replacement at:

Warriewood Brook, Macpherson Street, Warriewood

This report has been prepared for Anglicare Community Services, in relation to the proposed removal and replacement of **32 trees** at Glasshouse Circuit and the main walkway, within Stages 4, 5 and 6 of the above residential development.

It accompanies Wallman Partners Plan [drawing No. 18:4:1/ LA 1 'B' [20.04.18], annotated over the original Landscape Site Plan, issue 14, [16.02.16], as prepared by John Lock & Associates. The drawing is to be submitted as a **Section 4.55 Modification Application** to Northern Beaches Council.

Existing Trees:

The subject trees, ***Corymbia gummifera*** [Red Bloodwood] have been identified as being inappropriate for their locations due to:

- Probable mature size of up to 18m trees tall x 10m canopy
- There is insufficient space between the road edge/pathway and the awnings of adjacent dwellings.
- Most of the installed trees are within 2.5 metres of awnings and gutters. The potential for damage to roofs is high from probable tree limb failure and drop. This potential will increase as the trees reach maturity and therefore present a safety issue.
- Such large trees will develop proportionally large root systems, which have the potential to damage building footings and underground services.



Tree No.1 [outside unit 140].



Tree No.23 [outside unit 97].

Proposed Replacement Trees:

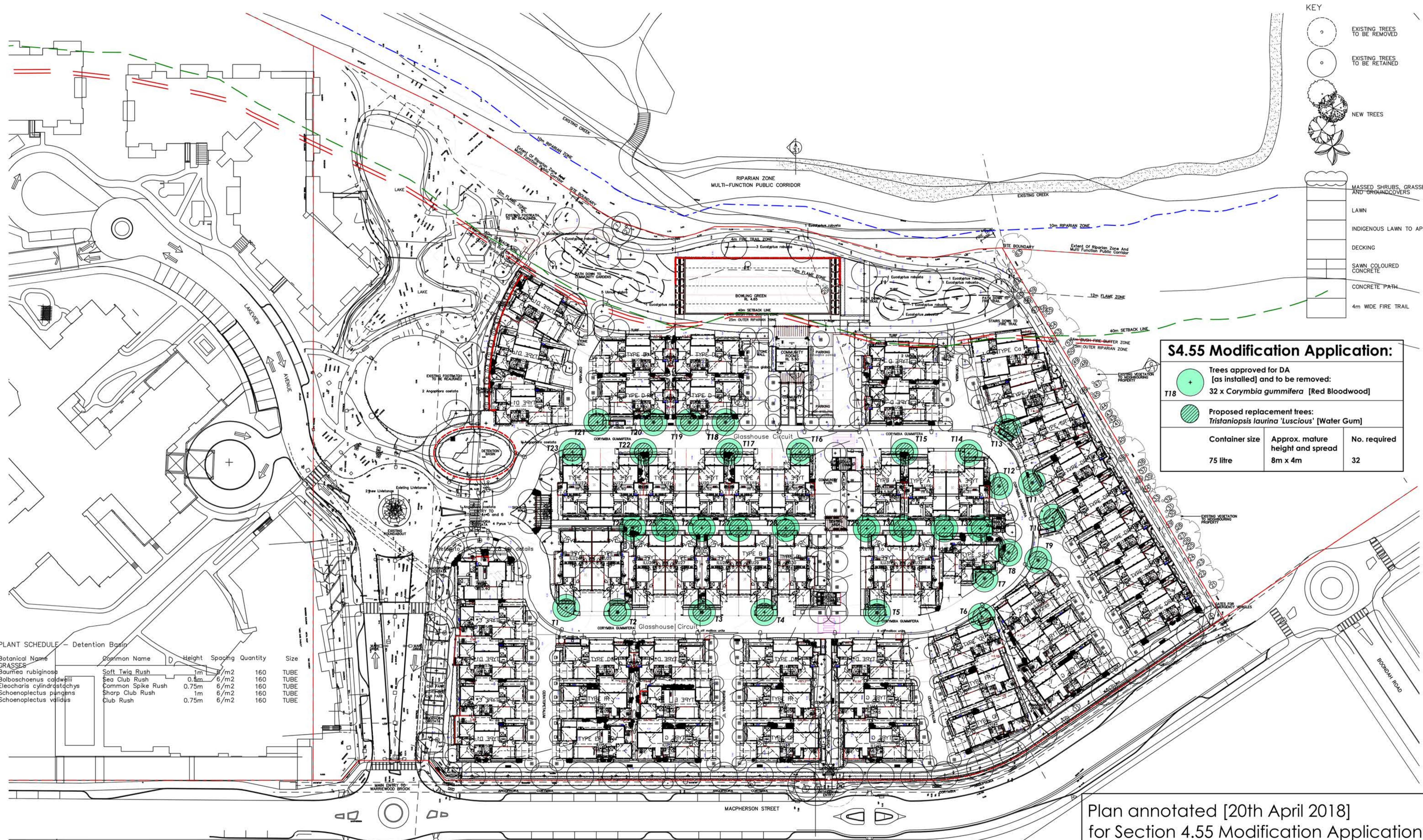
It is recommended that a smaller, less invasive tree species be introduced to the streetscape. Selected species: *Tristaniopsis laurina* 'Luscious' [Water Gum]. 75 litre size container. This species has the advantage of being easily trimmed to provide clear sight-lines under its canopy, whilst still retaining its natural uniform [elongated spheroid] shape. The approximate upper-end mature size of 8 metres tall x 4 metres spread will fit a lot more appropriately into the spaces at Glasshouse Circuit. This species is readily available at Sydney metropolitan nurseries.



Water Gum: proposed replacement street tree species.

A handwritten signature in black ink, appearing to read 'Rod Wallman', with a long, sweeping underline.

Rod Wallman
Registered Landscape Architect No. 321



KEY

- EXISTING TREES TO BE REMOVED
- EXISTING TREES TO BE RETAINED
- NEW TREES
- MASSES SHRUBS, GRASSES AND GROUNDCOVERS
- LAWN
- INDIGENOUS LAWN TO APZ
- DECKING
- SAWN COLOURED CONCRETE
- CONCRETE PATH
- 4m WIDE FIRE TRAIL

S4.55 Modification Application:

| | | |
|----------------|---|--------------|
| | Trees approved for DA [as installed] and to be removed: 32 x <i>Corymbia gummifera</i> [Red Bloodwood] | |
| | Proposed replacement trees: <i>Tristanopsis laurina</i> 'Luscious' [Water Gum] | |
| Container size | Approx. mature height and spread | No. required |
| 75 litre | 8m x 4m | 32 |

PLANT SCHEDULE - Detention Basin

| Botanical Name | Common Name | Height | Spacing | Quantity | Size |
|-----------------------------------|-------------------|--------|------------------|----------|------|
| GRASSES | | | | | |
| <i>Baumea rubiginosa</i> | Soft Twig Rush | 1m | 6/m ² | 160 | TUBE |
| <i>Bolboschoenus caldwellii</i> | Sea Club Rush | 0.5m | 6/m ² | 160 | TUBE |
| <i>Eleocharis cylindrostachys</i> | Common Spike Rush | 0.75m | 6/m ² | 160 | TUBE |
| <i>Schoenoplectus pangens</i> | Sharp Club Rush | 1m | 6/m ² | 160 | TUBE |
| <i>Schoenoplectus validus</i> | Club Rush | 0.75m | 6/m ² | 160 | TUBE |

Plan annotated [20th April 2018]
for Section 4.55 Modification Application:
Wallman Partners Pty Ltd

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| rev | description | date |
|-----|--------------------------------------|----------|
| 14 | FENCING + GENERAL REVISIONS | 16/09/16 |
| 13 | REVISED STAGE 5 REVISIONS | 22/10/15 |
| 12 | PATH + RETAINING WALL REVISIONS | 22/09/15 |
| 11 | GENERAL REVISIONS | 02/07/15 |
| 10 | FENCES + PATHS/PLANTG AREAS REVISION | 20/06/15 |
| 09 | GENERAL REVISIONS | 20/10/14 |
| 08 | BASIN BRIDGE REMD PATHS REVD | 20/10/14 |
| 07 | RIPARIAN CORRIDOR BDY FENCE REMD | 20/08/14 |
| 06 | TENDER ISSUE | 15/08/14 |
| 05 | TENDER ISSUE | 01/08/14 |
| 04 | COORDINATION ISSUE | 25/07/14 |
| 03 | COORDINATION ISSUE | 19/11/13 |
| 02 | AMENDED DA ISSUE | 08/10/13 |
| 01 | DA ISSUE | 30/06/13 |

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LANDSCAPE ARCHITECTURE

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project: WARRIEWOOD BROOK
WARRIEWOOD
NSW 2102

stage: STAGES 4, 5 and 6
LANDSCAPE SITE PLAN

scale: 1:500 @ A1
50% @ A3
date: 01/02/2013
job no.: drawing no.:
2001 LP-1.0