



## Consulting & Project Arborists

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James De Soyres + associates architects

26 July 2020

Dear James

Please see below comments relating to amended plans. In summary the revised plans increase setbacks from tree 10 *Banksia integrifolia* proposed for retention. The revised design will also require two extra small specimens to be removed, however it is noted one is exempt based on height <5m and the other not prominent in the landscape; and are reliably able to be replaced within proposed landscaping.

Amended Arboricultural Impact Assessment

103-105 Narrabeen Park Parade Mona Vale NSW 2103

Lots 2 & 3 DP 16692 Original Report Prepared 16 December 2019 Our Ref: 1906a

The amended assessment referenced the following amended plans prepared by James de Soyres & Associates Architects dated 24 July 2020:

- DA-02 REVA Site Plan Demolition & Sediment Control Plan
- DA-06 REV A Water Management Plan
- DA-10 REV A Store and Entry Floor Plan
- DA-11 REV A Garage Floor Plan
- DA-12 REV A Garage Roof Plan
- DA-20 REV A North West and North East Elevations
- DA-21 REV A South East and South West Elevations
- DA- 30 REV A Sections

Tree 10: *Banksia integrifolia* – Coastal Banksia, mature specimen with good vigour, fair condition, medium life expectancy, dominant crown form, 9m estimated height, crown spread 5m to N, 5m to S, 5m to E, 4m to W. 70% crown cover with 70% crown density, diameter at 1.4m of 800mm, acaulescent trunk, surface roots evident to E & W, pest/disease, branch inclusion, good form, medium significance scale and medium retention value. Minor borer - Following an initial pre-lodgement assessment from Northern Beaches Council, root mapping was undertaken (see Appendix C original report) to determine impact from works. In summary trenching some 2.25m from centre of tree (COT) tree 10 revealed the majority of roots present in this area were emanating from tree 11 Norfolk Island Pine proposed for removal. Three roots of 18, 22 & 25mm in diameter originated from tree 10. The tree 10 has a significant concentration of roots as evidenced surface root plate to northwest of tree which have developed in tension in response to prevailing onshore winds. It is considered the clean cutting of the three roots from T10 is unlikely to destabilise or adversely affect long term health of tree. The amended proposed works are under the standard AS4970 considered a minor encroachment, and it is unlikely that any roots will require removal as the proposed driveway piers will have less impact than the previously proposed carport/store area which had a larger encroachment into TPZ. The extensive and dense root plate has also contributed to restricting root growth from tree 10.

Tree 11: *Araucaria heterophylla* – Norfolk Island Pine, mature specimen with good vigour, fair to poor condition, medium to short life expectancy, co-dominant crown form, 9m estimated height, crown spread 3m to N, 4m to S, 4m to E, 4m to W. 80% crown cover with 90% crown density, diameter at 1.4m of 450mm, acaulescent, basal root flare, no pest/disease, branch inclusions, poor form, medium significance scale and medium retention value. Proposed for removal.

Tree 12: *Melaleuca quinquenervia* – Broad leaved paperbark, located site, mature specimen with low vigour, poor condition, medium life expectancy, dominant crown form, 10m estimated height, crown spread 3m to N, 1m to S, 6m to E, 6m to W. 60% crown cover with 50% crown density, diameter at 1.4m of 480mm, surface roots to E, wind/salt shear to E crown, asymmetrical crown to W, pest/disease, branch inclusion, poor form, medium significance scale and medium to low retention value. Is proposed for retention and is setback >8m from proposed works and has a TPZ of 5.8m and is therefore not affected by the proposal.

Tree 13: *Banksia integrifolia* – Coastal Banksia, semi-mature specimen with good vigour, fair condition, medium life expectancy, dominant crown form, 4m estimated height, crown spread 3m to N, 2m to S, 2m to E, 2m to W. 90% crown cover with 90% crown density, diameter at 1.4m of 200mm, acaulescent, branch inclusion, poor form, low significance scale and low retention value. It is noted this specimen is exempt under the DCP being <5m in height. Proposed for removal.

Tree 14: *Callistemon citrinus* – Crimson Bottlebrush, mature specimen with good vigour, fair condition, medium life expectancy, dominant crown form, 5m estimated height, crown spread 3m to N, 3m to S, 2.5m to E, 4m to W. 80% crown cover with 70% crown density, diameter at 1.4m of 550mm, acaulescent growing edge of existing cut/unstable sandstone retaining wall, no pest/disease, branch inclusion, poor form, medium significance scale and low retention value. Proposed for removal. Reliably replaced by proposed landscaping.

Tree 15: *Callistemon citrinus* – Crimson Bottlebrush mature specimen with low vigour, fair condition, medium life expectancy, dominant crown form, 4m estimated height, crown spread 2m to N, 2m to S, 2m to E, 1m to W. 80% crown cover with 50% crown density, diameter at 1.4m of 500mm, acaulescent no basal root flare, pest/disease, branch inclusion, poor form, low significance scale and low retention value. Topped and twiggy dieback. It is noted this specimen is exempt under the DCP being <5m in height, however located on public land proposed for retention.

Tree 16: *Banksia serrata* – Old Man Banksia, semi-mature specimen with good vigour, fair condition, medium life expectancy, co-dominant crown form, 3m estimated height, crown spread 1m to N, 1m to S, 1m to E, 1m to W. 60% crown cover with 70% crown density, diameter at 1.4m of 150mm, acaulescent, basal root flare, no pest/disease, branch inclusion, poor form, low significance scale and low retention value. Topped at 2.5m. It is noted this specimen is exempt under the DCP being <5m in height however located on public land proposed for retention.

Kind regards

A handwritten signature in black ink, appearing to read 'Craig Martin', with a stylized flourish at the end.

**Craig Martin**

Principal Consultant

Post Grad Cert Wildlife Habitat Management (AQF8) 2006,  
Diploma of Horticulture – Arboriculture; (AQF5) 2001,  
Horticulture Certificate (Dist) 1988