
rainTree consulting

Arboricultural Management
PO Box 326 AVALON NSW 2107
Mobile 0419 250 248

Karen Steele
C/- Gartner Trovato Architects
L1, Suite 13, 10 Park Street
MONA VALE NSW
T: 9979 4411

20 December 2024

Mod2024/0710 – PAN-496055
46 NARRABEEN PARK PARADE – WARRIEWOOD, NSW
4.55 DESIGN MODIFICATION - ARBORICULTURAL REPORT
Ref No: 13324

This report has been commissioned by Gartner Trovato Architects. The purpose of the report is to address Northern Beaches Council request to provide additional information relating to a design modification within 46 Narrabeen Park Parade, WARRIEWOOD NSW. Provided within this report are discussions based on design amendments that occur within tree protection zones or prescribed (protected) trees.

Plans and/or documentation reviewed to assist in the discussions presented include:

Gartner Trovato Architects, project no: 2229

- Site Plan / Site Analysis Dwg No: S.4.55-01 issue B dated 5.12.2024.
- Ground Floor Plan Dwg No: S.4.55-03 issue B dated 5.12.2024.

Raintree Consulting

- Arboricultural Impact Assessment (AIA) report ref No:15322 dated 11.11.2022.

Stutchbury Jaques Pty Limited

- Survey Plan ref No: 11588/22 dated 29.7.2022

This report acknowledges and utilizes the current Australian Standards 'Protection of Trees on Development Sites' AS4970 – 2009. Unless specified otherwise all development offsets within this report are taken from the centre of the tree as plotted within survey and/or design documentation.

DISCLAIMER & LIMITATION ON THE USE OF THIS REPORT

This report is to be utilized in its entirety only. Any written or verbal submission, report or presentation that includes statements taken from the findings, discussions, conclusions or recommendations made in this report, may only be used where the whole of the original report (or copy) is referenced in, and directly to that submission, report or presentation. Unless stated otherwise: Information contained in this report covers only the tree/s that were examined and reflects the condition of the trees at the time of inspection: and the inspection was limited to visual examination of the subject tree without dissection, excavation, probing or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the subject tree/s may not arise in the future. Arborist cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specific period of time. Trees are a living entity and change continuously, they can be managed but not controlled and to be associated near one involves some degree of risk.

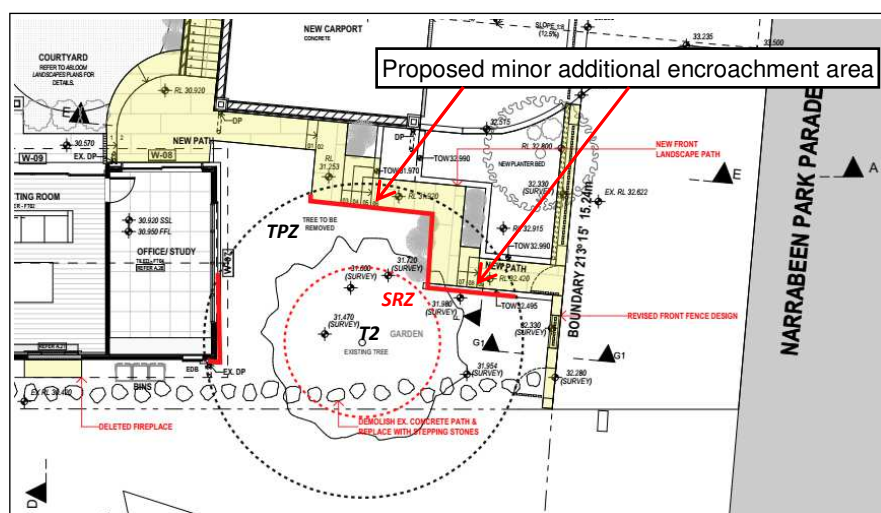
SUMMARY OF ASSESSMENT

1. The design modification proposes a new pathway with stair access and front masonry wall adjacent one Coastal Banksia tree known as tree T2.
The subject tree has a 2.3m Structural Root Zone (SRZ) and 4.8m radial Tree Protection Zone (TPZ).
2. Based on the design modification, no new works are proposed within the SRZ being *the area required for tree stability* (AS4970)

Additional new encroachment within the TPZ is of a *Minor* (<10%) TPZ occupancy at or near 9.2% with original dwelling occupancy at 2.1%. The overall combined occupancy within the TPZ is considered a *manageable* (<15%) *low-level* impact of at or near 11.3%.

Given the overall *low-level* and manageable TPZ occupancy the design proposal is considered as having likely no to very *Minor* impact to the tree.

Figure 1: showing T2 SRZ & TPZ encroachment area



3. Given excavation for footings are required within TPZ and very close to the SRZ radius the following recommendations are provided to mitigate impacts by the design proposal:
- a) Tree protection fencing is to remain as indicated within the original 2022 Arboricultural Impact Assessment (AIA) report ensuring the SRZ to the east of the tree is adequately protected.
 - b) There is to be no access or excavation within the 2.3m SRZ radius without prior arborist advice & certification. Where access for construction is required the SRZ is to be protected with ground protection mats or similar.
 - c) Excavation for footings within the TPZ are to be conducted manually (by hand) for the first 0.5m (500mm) being supervised & certified by an appointed AQF Level 5 certified arborist.
 - d) All encountered tree roots are to be clean cut in accordance with AS4970 – 2009 Section 4.5.4 *Root protection during works within the TPZ*, such that tree roots are not damaged or ripped beyond the point of excavation by site machinery. All cuts are to be clean cuts made with sharp tools such as secateurs, pruners, handsaws, chainsaws or specialized pruning equipment as per Section 9 *Root pruning* of AS4373 Pruning of Amenity Trees 2007.

- e) No new additional excavation is to occur within the 4.8m Tree Protection Zone (TPZ) without prior project arborist advice & certification.
4. Based on the documentation assess no additional trees are affected by the proposed 4.55 design modification.

Should you require further liaisons in this matter please contact me direct on
0419 250 248

Yours sincerely



Mark A Kokot

AQF Level 5 consulting arborist

Diploma of Hort/Arboriculture (AQF5), Associate Diploma Parks Management (AQF4)

Certified Arborist / Tree Surgeon (AQF3), ISA Tree Risk Assessment Qualified 2029

Member: ISA, Arboriculture Australia & IACA, Working With Children No: WWC0144637E

