

Site Location/Project: 104-116 Regent St, Redfern, NSW

Prepared for: Wee Hur

Date prepared: 21 September 2022

Our Ref: 220921_104-116 Regent St_PA

Report Type: Statement

Purpose of Statement – Advice in Relation to Retention of Tree 1

I have been requested to prepare this statement in relation to a proposed development at the site and an Arboricultural Impact Assessment Report (AIA) I prepared for the development, dated 26 November 2021 (Revision 1).

In the AIA report, I identified and assessed the development impact to one street tree that adjoins the site, referred to as tree 1. In the AIA report the tree was recommended to be removed due to potential development impact to the crown and root system. Wee Hur have requested that I prepare this statement to advise what is required to ensure that the tree can be retained in a viable condition.

A summary of the impact to tree 1 in the AIA includes the following in relation to canopy pruning;

To summarise, significant canopy pruning is required to construct the proposed building and awning, that will potentially impact the condition and future viability of the tree. Additional pruning is also likely to be required for temporary structures during construction (hoarding and scaffolding). In combination, 25-35% of the overall live crown area may need to be removed on one side of the tree, which will further unbalance the shape of the crown and potentially impact the trees future viability.

There is also the potential for future conflict issues due to the close proximity between the trunk and proposed awning. If the tree is to be retained in a viable condition, design modifications will be required to reduce the amount of required canopy pruning for the building, awning and temporary structures (scaffolding and hoarding).

A summary of the impact to tree 1 in the AIA includes the following in relation to root impacts;

This is a street tree that adjoins the site at Regent Street. At ground level, the proposed building encroaches into the TPZ by 12% (6.2m²) but not into the SRZ, which is major TPZ encroachment under AS4970-2009, indicating that the tree will potentially be impacted. This is only 2% over the threshold for minor encroachment under AS4970-2009. However as the tree is a street tree, it is likely to have an asymmetric shaped root system, with roots potentially extending further to the West into the subject site.

There is not space contiguous with the TPZ for this area to be compensated. There is an existing concrete kerb adjacent to the site boundary that may be restricting root growth into the site/area of proposed TPZ encroachment at ground level. If the tree is proposed to be retained, root investigations will be required adjacent to the site

boundary to determine if significant roots will be impacted and assess the associated impact to the tree (see appendix 3 for more information in relation to root investigations).

To retain the tree in a viable condition in accordance with AS4970-2009, it must be demonstrated that tree will not be adversely impacted. As discussed above, to determine if the root system will be significantly impacted, non-destructive root investigations will be required adjacent to the site boundary to determine if significant roots will be impacted and assess the associated impact to the tree (see appendix 3 of the AIA for more information in relation to root investigations). There is an existing concrete kerb adjacent to the site boundary that may be restricting root growth into the site/area of proposed TPZ encroachment at ground level and it is therefore possible that significant roots will not be impacted.

In relation to the impact of canopy pruning, pruning of up 10% of the overall live crown area while avoiding removing any major structural/primary branches is generally considered to be minor pruning that will not impact the tree and preferably the canopy pruning should be limited to these specifications. The species is more tolerant of significant canopy pruning in comparison to other species.

To limit the canopy pruning to the specifications above, canopy pruning will need to be limited to reduction pruning to the site boundary only. The awning will need to be designed to ensure that canopy pruning is not required outside the site boundary to accommodate the awning. It will also need to be demonstrated that it is possible to install temporary structures (scaffolding and hoarding) without needing to carryout additional pruning.

If you have any questions in relation to this certificate, feel free to contact me on the details below.

Regards,



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