

24th June 2024

Hunters Hill Council
Attn: Bishal Pandit
22 Alexandra Street
Hunters Hill
Australia

RE: Works Depot Shed – Boronia Park, Hunters Hill
Addendum to Arboricultural Impact Assessment, Report No. BORONIA/DEPOT/AIA/A, dated 21.05.24

Introduction

This Addendum was prepared for Hunters Hill Council in relation to the proposed works depot shed within Boronia Park, Hunters Hill. As background, an Arboricultural Impact Assessment (AIA) was prepared by treeiQ in May 2024. The AIA made several recommendations to reduce the impact on the trees. In addition, the AIA recommended the removal of a number of trees due to their reduced Useful Life Expectancy (ULE), low quality and/or weed status. In this regard, it is understood that Trees 14, 15, 28 and 29 have been removed. These trees were of low Landscape Significance and had been allocated a Retention Value of either *Consider for Removal* or *Priority for Removal*.

Impact Assessment

TreeiQ have received updated Civil Plans (dated 22.06.24/Rev 4) for the project. These plans show:

- Trees 1, 3, 4, 8, 13, 18-22 and 26 have no works proposed within their Tree Protection Zone (TPZ) areas
- Trees 2, 5-7, 17, 24 and 27 will be subject to *Minor Encroachments* within their TPZ areas. A *Minor Encroachment* is considered acceptable by *Australian Standard 4970 (2009) Protection of Trees on Development Sites (AS-4970)* when it is compensated for elsewhere and contiguous within the TPZ.
- Trees 9, 11 & 16 will require extensive pruning for vehicle clearance which will adversely impact the trees.
- Trees 10, 12, 23 and 25 will be subject to *Major Encroachments* with 14-20% excavation required within their TPZ areas. No excavation is proposed within the Structural Root Zone (SRZ) areas. The trees are in good health and the works are proposed on one side of their TPZ areas only. Therefore, the trees should be retained and best practice tree protection measures should be implemented to minimise adverse impacts.

Conclusion

Trees 1-8, 13, 17-22, 24, 26 and 27 have either no works proposed within their TPZ areas or will be subject to *Minor Encroachments* only. These trees can be retained.

Trees 9, 11 and 16 will be adversely impacted by the works. These trees will need to be removed.

Trees 10, 12, 23 and 25 will be subject to *Major Encroachments*. The trees should be retained and best practice tree protection measures should be implemented to minimise adverse impacts.

It should be noted that indirect construction-related impacts, particularly over-excavation and soil compaction, can have a significant impact on tree health. Therefore, strict adherence to tree protection requirements and tree sensitive work methods will result in far better outcomes in terms of tree health and long-term viability.

A detailed Tree Protection Plan (TPP) should be prepared based on the final plans and Construction Management Plan. Tree protection measures and sensitive construction methods should be specified within the TPP, including:

- Installation of TPZ fencing
- Demolition methods for existing pavement surfaces within TPZ areas
- Recommendations for preliminary hand excavation and root pruning prior to bulk excavation works within and adjacent to TPZ areas
- Use of a soil with a high porosity (i.e. an 80/20 washed river sand/screened topsoil blend) for any raising of levels within TPZ areas

Where required, Crown Lifting/Reduction Pruning should be undertaken to provide a 4.5m vertical clearance above the access road. Deadwood greater than 30mm should be removed from all trees where there are high value targets within their fall zone. Pruning work should be undertaken in accordance with *Australian Standard 4373: Pruning of Amenity Trees (2007)*, *Safe Work Australia Guide for Managing Risks of Tree Trimming and Removal Work (2016)* and other applicable legislation and codes.

Please do not hesitate to contact me if require any additional information or have any questions.

Yours sincerely



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