



ARBORIST ROOT INVESTIGATION

37 HAY STREET COLLAROY 2097

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CONTENTS

37 Hay Street Collaroy 2097	0
1. Introduction	2
2. Images of T8 Investigations	3
3. Images of T7 Investigations	5
4. Findings/Conclusion	8
5. Recommendation	8

1. INTRODUCTION

Complete Arborcare were commissioned by Built Projects to conduct root investigation within the TPZ¹/SRZ² of trees T7 & T8 as reported upon in the Arboricultural Impact Assessment (AIA) issued by Complete Arborcare on the 27th June 2022.

Northern Beaches Council Landscape Referral Response dated the 17th August 2023 has stated that:

Two large native trees are proposed for removal at the southern end of the site. The trees are located close to boundaries, however the design proposed does not enable retention of the trees, though it is apparent that with amendments to the design, the trees may be able to be retained.

The reason for this investigation was to determine if any woody roots would require to be pruned (within the TPZ/SRZ of trees T7 & T8) to allow for the proposed development.

Works were undertaken on the 17-18th October 2023 and involved the excavation of two (2) x strip trenches, approximately 6 metres long x 600-700mm deep x 200mm wide¹; and was undertaken through the use of an air spade™ and vacuuming methods. This type of soil movement is considered to be non-destructive to tree roots and is compliant with clause 3.3.4 (a) of the Australian Standard (AS) 4970-2009, Protection of Trees on Development Sites (*see Images*).

¹ Tree Protection Zone

² Structural Root Zone

2. IMAGES OF T8 INVESTIGATIONS





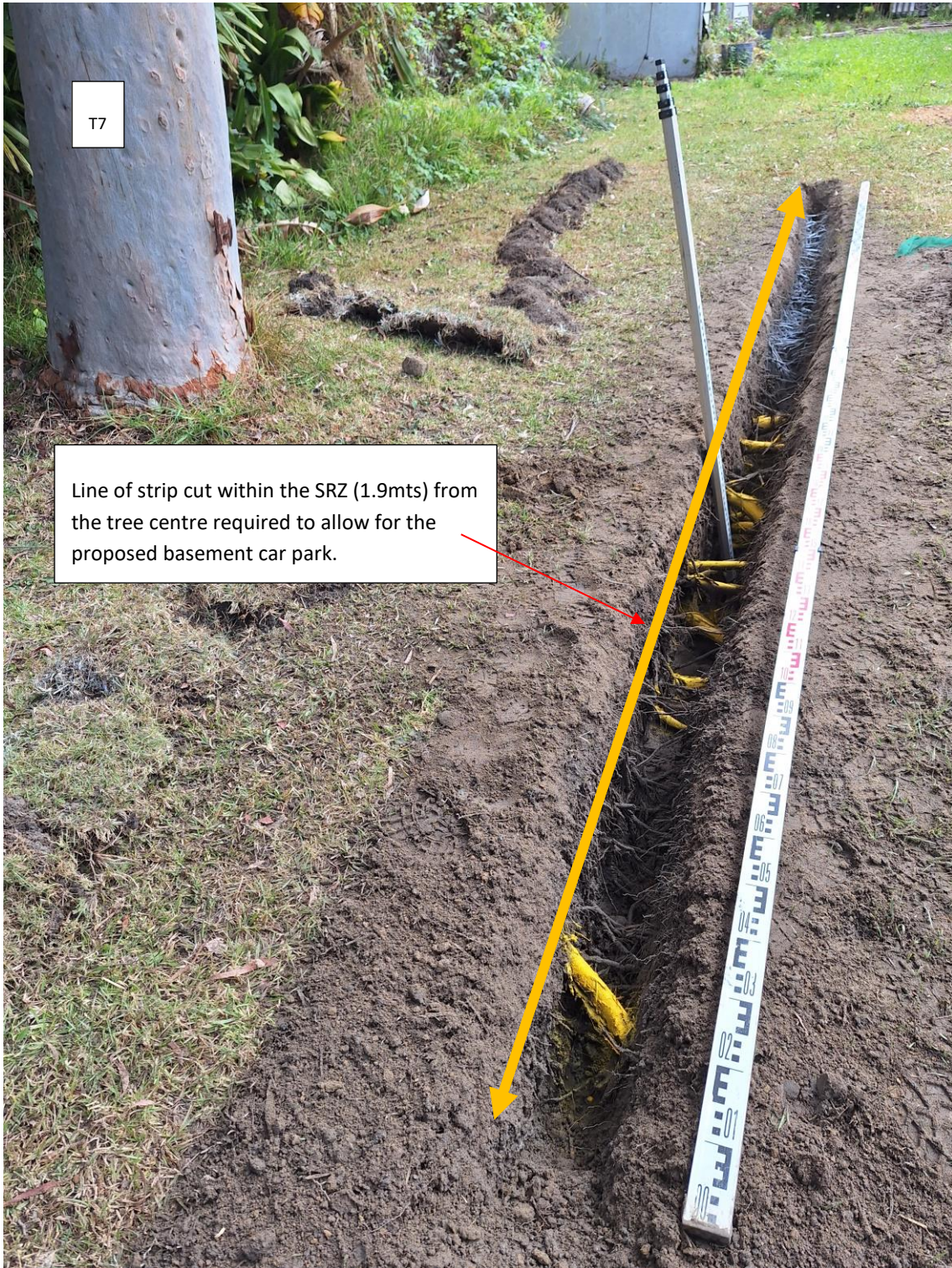
3. IMAGES OF T7 INVESTIGATIONS





T7

Structural roots $\leq 40\text{mm}\varnothing$ marked in yellow



T7

Line of strip cut within the SRZ (1.9mts) from the tree centre required to allow for the proposed basement car park.

4. FINDINGS/CONCLUSION

Based upon findings of investigations, no woody roots >50mm ϕ within the TPZ/SRZ of either of the subject trees were encountered.

It has been concluded that pruning of the exposed roots (which are on the compression side) will not result in any long-term impact upon trees T7-T8.

5. RECOMMENDATION

It is recommended that all required root pruning must be conducted in accordance with Section 9 (Root Pruning) of AS 4373-2007, Pruning of Amenity Trees.

Any canopy pruning for tree T7 must be undertaken by an arborist with a minimum AQF³ level 3 standing and be conducted in accordance with AS 4373-2007 and the current Code of Practice: Amenity tree Industry 1998 (council consent will also be required).

³ Australian Qualification Framework