Tree Management Strategies

Arboricultural Impact Assessment

No.6 Sorrell Ln, North
Parramatta, NSW, 2151
15-12-21

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Tree Management Strategies

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Introduction

Tree Management Strategies is commissioned by Shiro Architects to provide an Arboricultural Impact Assessment (AIA) considering two trees at No.6 Sorrell Ln, North Parramatta, NSW, 2151. The trees are referred to as Tree 1 and 2. The trees are potentially impacted by a proposed dwelling.

The assessment is in accordance with AS 4970- 2009 Protection of trees on development sites and aims to:

- Assess the Health, Condition and Retention value of Tree 1 and 2.
- Calculate the Impacts a proposed development will have on Tree 1 and 2.
- Recommend the retention or removal of Tree 1 and 2.

This AIA is not a detailed report, it is a condensed outline of Tree Impacts, observations, and recommendations for tree retention, removal and protection. The method for this report can be produced on request.

Observations/ Developmental Impacts

On the 2-12-21 a site inspection was conducted to assess two trees within the subject site and neighbouring properties. The data and photographs collected are recorded in the Tree Data Schedule (Appendix 1).

The tree incursion affecting the Tree Preservation Zones (TPZ) of the subject trees assessed are shown on the Tree Impact Plan (Appendix 2).

The tree impacts detailed below are based on the design provided by Shiro Architects, shown in (Referenced Document) section of this report.

Tree retention values are in accordance with IACA Significance of a Tree, Assessment Rating System (STARS) © (IACA 2010) ©.

Due to the existing boundary retaining walls and level changes associated with them, no neighbouring trees are affected by the proposed development, refer to (Figure 2).

Trees shown on the survey that are under 5 metres do not require permission for removal under the provisions of the Parramatta Council DCP 2011 and are not considered as part of this assessment.

Tree 2 is given low retention value due to its age, health, condition and position in the landscape. Tree 2 has a major incursion to its SRZ and TPZ that requires its removal for the proposed development to proceed, refer to the Tree Impact Plan (Appendix 2).

Tree 1 is given medium retention value due to its age, health, condition and position in the landscape. Tree 1 has a total incursion to its TPZ that requires its removal for the proposed development to proceed. Two compensatory plantings are recommended to compensate for the removal of Tree 1, in locations that support their future health and longevity, refer to the Landscape Plan provided.

Figure 1

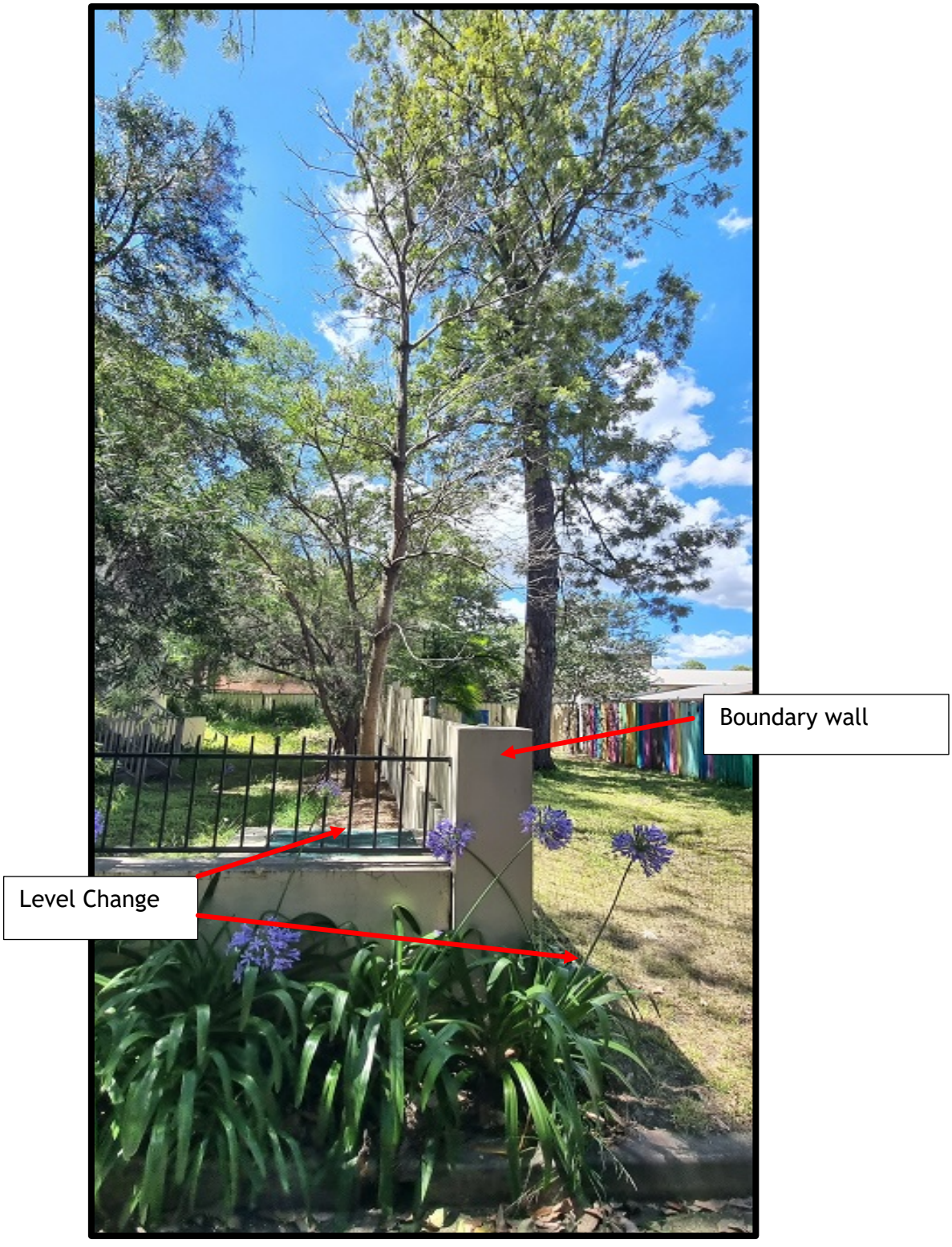

Figure 1: Boundary wall and level changes between sites highlighted in red.

References

Council of Standards Australia (August 2009)
The Australian Standard for the Protection of Trees on Development Sites (AS 4970 – 2009).

IACA, 2010, IACA Significance of a Tree, Assessment Rating System (STARS), Institute of Australian Consulting Arboriculturists, Australia, www.iaca.org.au

Referenced Documents

Plans that were referred to for this report include:

Plan Title	Drawing Number	Consultant	Revision	Job/ Number
Tree Impact Plan	Appendix 2	IEMA	15-12-21	
Landscape Plan	DA12	shiro architects	22-11-21	

No civil were reviewed as part of this assessment.

Conclusions:

Tree 2 is given low retention value due to its age, health, condition and position in the landscape. Tree 2 has a major incursions to its TPZ that requires its removal for the proposed development to proceed.

Tree 1 is given a medium retention value due to its age, health, condition and position in the landscape. Tree 1 has a total incursion to its TPZ that requires its removal for the proposed development to proceed.

Two compensatory plantings are recommended to offset the removal of Tree 1, in locations that support their future health and longevity, refer to the Landscape Plan provided.

Recommendations:

Remove Tree 1 and 2.

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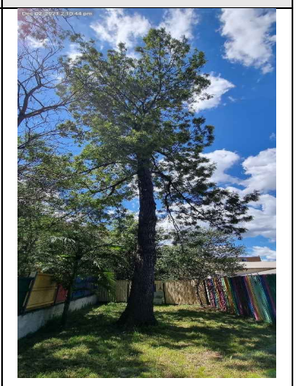
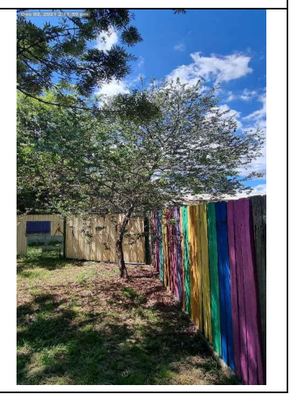
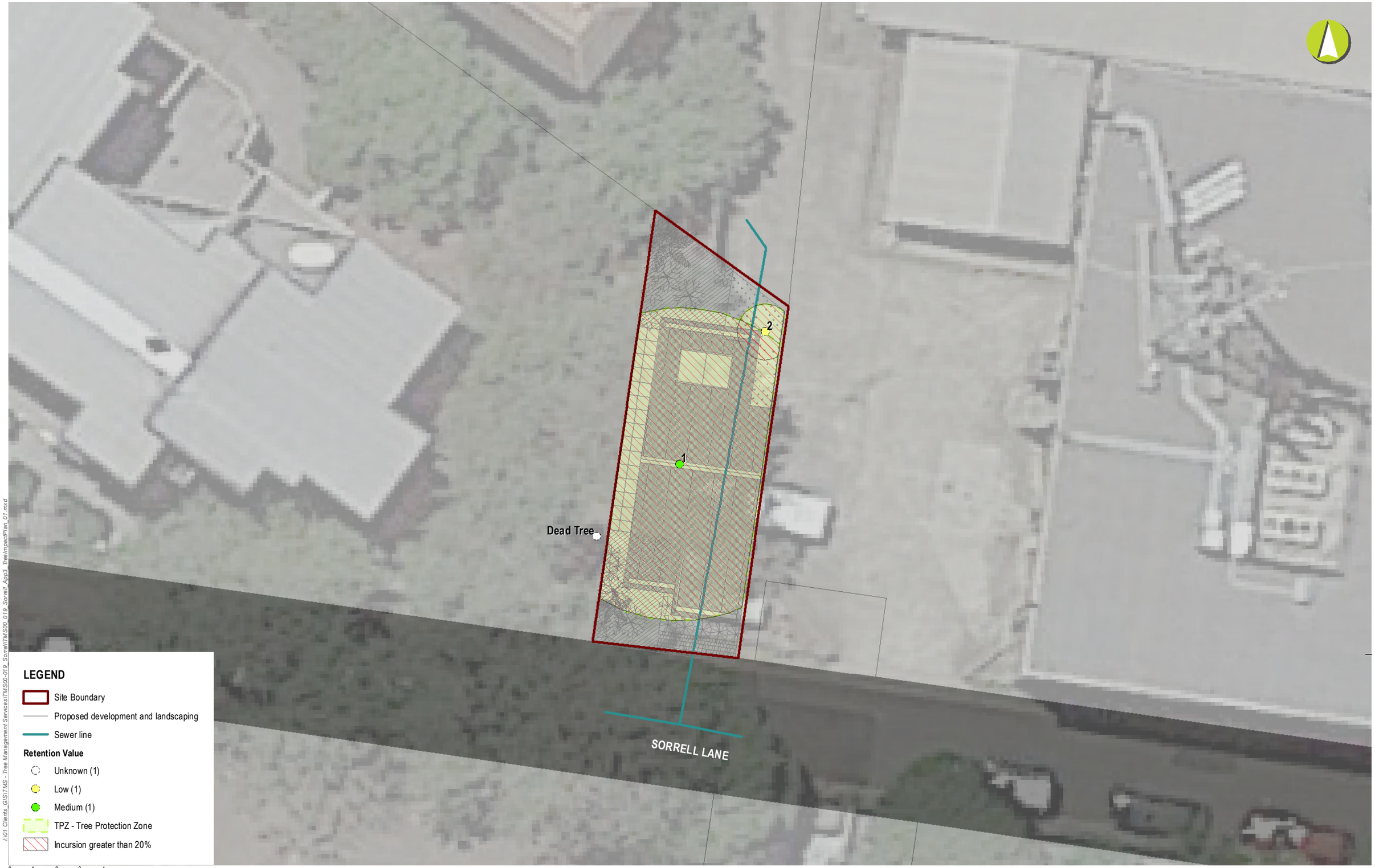
APPENDIX 1 – TREE DATA SCHEDULE

No	Genus-species	Common Name	DAB metres (radius) Above Buttress	DBH metres (radius) Breast Ht	SRZ (radius) Metres	TPZ (radius) Metres	Height Metres	Age Young, Semi-Mature, Mature Over Mature	Canopy Spread (Metres) (radius)	Health Good Fair Fair/Poor Poor Failed	Condition Good Fair Fair/Poor Poor Failed	Useful Life Expectancy High Medium Low	Landscape significance High Medium Low	Retention value High Medium Low	Notes	Photo
1	Grevillea robusta	Silky Oak	0.65	0.56	2.76	6.72	18.00	Mature	5.00	Fair	Fair/Poor	Medium	Medium	Medium	Tree to be removed	
2	Acacia binervia	Wattle Tree	0.12	0.10	1.36	1.20	6.00	Mature	1.00	Fair/Poor	Fair/Poor	Low	Low	Low	Tree to be removed	



LEGEND

- Site Boundary
- Proposed development and landscaping
- Sewer line

Retention Value

- Unknown (1)
- Low (1)
- Medium (1)
- TPZ - Tree Protection Zone
- Incursion greater than 20%

0 1 2 3 4 m

Scale: 1:150

GDA 1994 MGA Zone 56
14/12/2021

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No.6 Sorrell Lane, NORTH PARRAMATTA

Tree Impact Plan

APPENDIX 3