



BASIC TREE ASSESSMENT

For:

Mr Docherty

Site Address:

13-36 Preston Street,
Jamisontown

Site Inspection Date:

07th April 2020

Report Issue Date:

13th April 2020 - DA Issue

Job No:

5496

1. Introduction

1.1 This basic tree assessment has been commissioned by Mr Docherty to assess the health, condition and impact of the subject trees, as part of a Development Application to Penrith Council for a proposed industrial development.

1.2 This report was not written with the intention of being used in a court of law.

2. Method

2.1 Observations and recordings of the trees were made using the Visual Tree Assessment (VTA) at ground level during a site inspection on 07th April 2020. Access was available to the property.

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**TREE REPORTS LANDSCAPE PLANS
VEGETATION MANAGEMENT PLANS**

2.2 The following drawings were referenced:-

2.2.1 Survey – RHCO – Job Ref. 19684 – Dated 19th December 2019

2.2.2 Stormwater Concept – Abel and Brown PL – Rev A – Feb 2020

2.2.3 Architectural Binder – Kley Creation – Rev A – 10th January 2020

2.3 Photographs included within this report were taken at time of initial inspection, unless noted otherwise.

2.4 Crown spreads are taken as an average of the radii, unless the crown is severely distorted or the issue requires more accurate dimensioning. Dimension at breast height may be slightly estimated / rounded off due to accessibility.

3. The Site

3.1 The site currently supports a seriously dilapidated building and outhouses. The site is predominately weed infested and overgrown

4. Tree Assessment

TREE ASSESSMENT														
No	Scientific Name	Age Class	Health	Condition	Height (m)	Spread (m)	D BH (mm)	(On / Off Site)	Disease	Retention Value	Proposed to be removed or retained	TPZ – AS 4970 (rad. m)	SRZ – AS4970 (rad. m)	Encroach TPZ / SRZ
1	<i>Wisteria species</i>	TPO Exempt												
2	<i>Allocasuarina species</i>	M	G	P	7	-	-	On	Y	Low	Removed	-	-	-
3	<i>Ulmus parvifolia</i>	M	G	A	7	-	400 Bse	On	Y	Low	Removed	-	-	-
4-5	Removed													
6	<i>Ligustrum lucidum</i>	TPO Exempt												
7	<i>Phoenix canariensis</i>	M	G	G	6m Trunk						Removed	-	-	-
8-10	<i>Ligustrum lucidum</i>	TPO Exempt												
11	<i>Grevillea robusta</i>	M	G	G	15	12	350	On	-	Mod	Removed	-	-	-
12	<i>Populus species</i>	M	G	G	> 10	> 10	250	?	-	Mod	Removed	-	-	-
13	<i>Grevillea robusta</i>	M	G	G	15	> 10	300 App	On	-	Mod	Removed	-	-	-
14/17	<i>Ligustrum lucidum</i>	TPO Exempt												
18	Dead – climber over													
19	<i>Sapium sebiferum</i>	M	G	G	15	20	600	On	-	Mod/High	Removed	-	-	-

TREE ASSESSMENT														
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20	<i>Feijoa sellowiana</i>	M	A	A	> 10	> 20	Mul ti	On	Y	Mod	Removed	-	-	-
21	<i>Olea europaea</i>	M	A	A	> 10	> 20	600 Bse	On	Y	Mod	Removed	-	-	-
22	<i>Ligustrum lucidum</i>	TPO Exempt												
23	Unidentified shrub										Removed			
24	<i>Prunus species</i> (Peach)	TPO Exempt												
25	<i>Jacaranda mimosifolia</i>	M	G	G	15	15	500 Bse	On	-	Mod / high	Removed	-	-	-
26	<i>Liquidamber styraciflua</i>	M	g/a	g/a	15	> 20	600	On	Y	Mod / High	Removed	-	-	-
27	<i>Erythrina species</i>	Appeared dead												
28	<i>Cupressus species</i>	M	P	P	8	8	400 Bse	On	Y	Low	Removed	-	-	-
29	<i>Lagerstroemia indica</i>	M	A	A	6	6	Mul ti	On	Y	Low	Removed	-	-	-

5. Generic Tree Comments – where applicable

5.1 Tree 2 has significant decay and has been previously lopped.

5.2 Tree 3 has decay, dead leaders and significant dieback.

5.3 Tree 7 is of reasonable maturity and height. The height enables clearance to fronds, which would lend itself to transplanting (if desired).

5.4 Tree 11 is likely to be self seeded and often considered an environmental weed.

5.5 Ownership of trees 12 (several dotted Poplars) is unsure. Judging by the usage of the neighbouring site, the required removal to facilitate the development proposal would be granted by neighbours.

5.6 Tree 13 is undoubtedly self seeded and often considered an environmental weed.

5.7 Tree 19 is a mature specimen, proposed to be removed to facilitate development.

5.8 Tree 20 is a mature Guava. The specimen has a very broad canopy, with significant deadwood intermingled and layered with live material. Required canopy reduction to accommodate the proposed development would result in an unacceptable level of canopy reduction and unbalanced specimen.

5.9 Tree 21 is a mature Olive tree. Required canopy reduction as per tree 20.

5.10 Tree 25 and 26 contribute to streetscape. Tree are proposed to be removed to accommodate storm water detention basin.

6. Conclusion

6.1 All trees are proposed to be removed to facilitate the proposed development.

6.2 Options for transplanting of Tree 7 could be explored.

6.3 The accompanying Landscape Plan will ensure canopy replenishment is considered.

Regards
Paul Monaco



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Quantified Tree Risk Assessment (QTRA) - 3923

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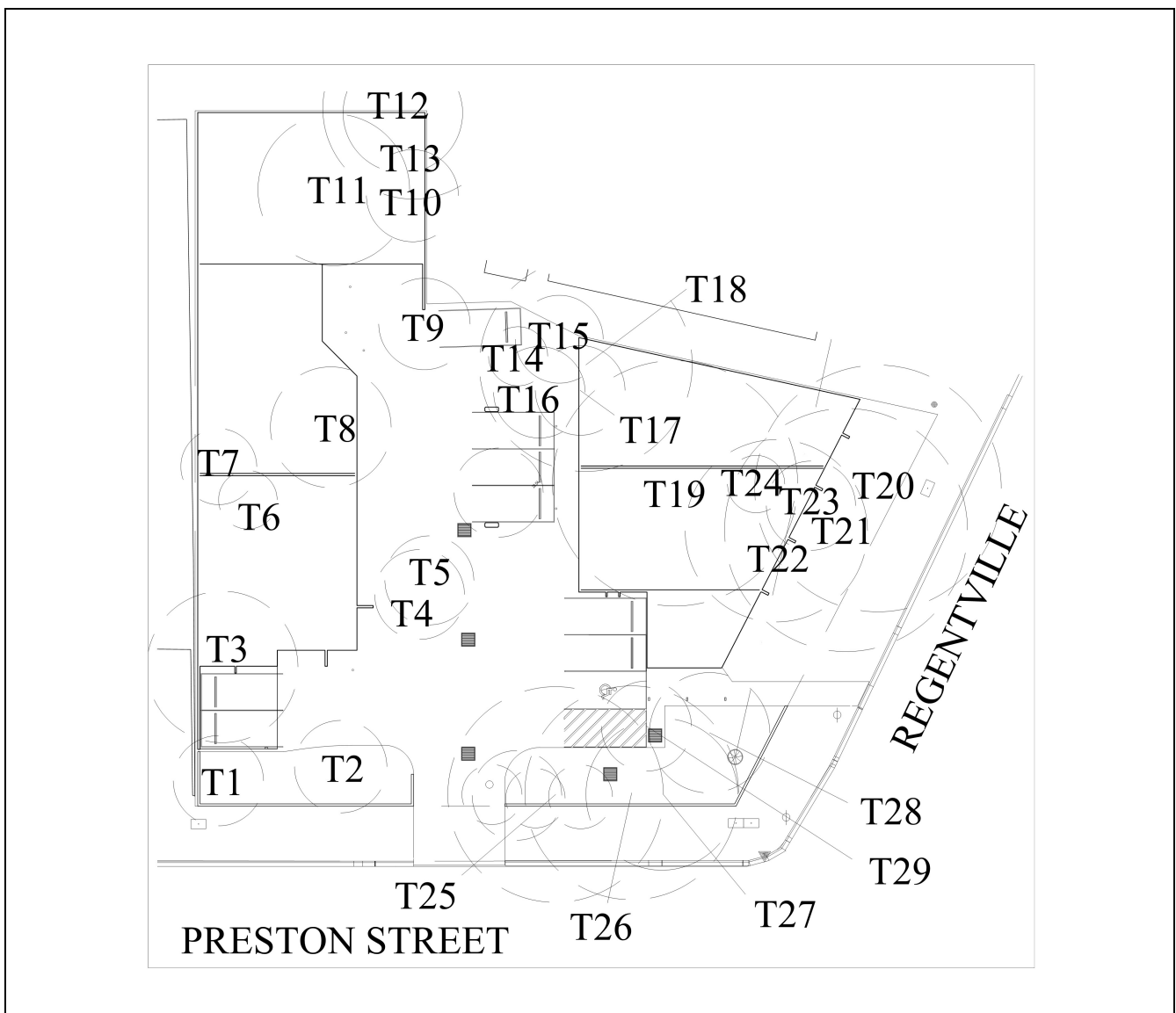
7. Limitation of Liability

7.1 This report has been prepared by the arborist and must be accepted on the basis that all reasonable attempts have been made to identify factors and features relevant to the tree(s) specified. Unless otherwise stated, observations have been made by eye from ground level (VTA). No Resistographs, root mapping or other diagnostic tools / methods used unless noted otherwise.

8. References / Bibliography

- 8.1 Australian Standard AS 4970-2009 'Protection of Trees on Development Sites'.
- 8.2 Harris, R.W. et al (2004) 'Arboriculture – 4th Ed.', Prentice Hall.
- 8.3 Mattheck, C., et al (2015) 'The Body Language of Trees – Encyclopaedia of Visual Tree Assessment', Karlsruhe Institute of Technology – Campus North.
- 8.4 Raven, P.H., et al, (1986) 'Biology of Plants – 4th Ed.', Worth Publishers.
- 8.5 Roberts, J., Jackson, N., and Smith, M., (2013) 'Tree Roots in the Built Environment', Arboricultural Association – Research for Amenity Trees No. 8.
- 8.6 Shigo, A. (1997) 'A New Tree Biology', Shigo and Trees Associates.
- 8.7 Shigo, A. (2008) 'Modern Arboriculture', Shigo and Trees Associates.

9. Site Plan – NTS



10. Photos



Plate 1 – Tree 2 in foreground



Plate 2 – Tree 7 on left



Plate 3 – Preston Streetscape



Plate 4 – Corner of Prestons and Regentville



Plate 5 – Trees 19 - 24