

JACKSONS NATURE WORKS

34 CALOOLA CRESCENT, BEVERLY HILLS 2209

9 150 4430
04 18) 414 502

ARBORICULTURAL IMPACT ASSESSMENT REPORT

At

**67 Elimatta Road & 19A Rowan Street,
Mona Vale**

Prepared for

Mr J Bruce

29th October 2025

Prepared by: Ross Jackson

Graduate Certificate in Arboriculture (AQF L 8)

Dip. Horticulture (Arboriculture – AQF L 5)

Certificate III in Horticulture (Arboriculture)

Certificate in Horticulture (Landscape)

Member of the Arboriculture Australia (MAA)

Member of the Australian Institute of Horticulture

Consulting Arborist Nos.1695

E: ross.jnw@gmail.com

DISCLAIMER

The Client acknowledges that this Report, and any opinions, advice or recommendations expressed or given in it, are the information supplied by the Client and on the data inspections, measurements and analysis carried out or obtained by Jacksons Nature Works (JNW) and referred to in the Report. The Client should rely on The Report, and on its contents, only to that extent.

Care has been taken to obtain all information from reliable sources. All data has been verified as far as possible. However, Ross Jackson – Consulting Arborist can neither guarantee nor be responsible for the accuracy of information provided by others.

Unless stated otherwise:

- Information contained in this report covers only the trees examined and reflects the health and structure of the trees at the time of inspection. The documented, observations, results, recommendations, and conclusions given may vary after the site visit due to environmental conditions.
- The inspection was limited to visual examination from the base of the subject tree without dissection, probing or coring.
- There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the subject trees may not arise in the future; &
- Unauthorised use of this report in any form is prohibited and remains the intellectual property of Jacksons Nature Works until all costs are settled.

Ross Jackson

Consulting Arborist

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1. BACKGROUND and METHODOLOGY

- 1.1 The purpose of this Tree Report is to inform and accompany the development application works at 67 Elimatta Road & 19A Rowan Street, Mona Vale – The Site.
- 1.2 The report was commissioned by Mr J Bruce to consider the development impacts on trees located on and around the Site.
- 1.3 This report outlines the health and condition of the subject trees, the remaining life expectancy of the trees, identifies any visible defects or other problems, describes which trees require pruning, removal, retention or represent a potential hazard and comments on the impact on these trees in relation to the works proposed. The report also provides recommended tree protection measures (Tree Protection Plan) to ensure the long-term preservation of the trees to be retained where appropriate.
- 1.4 The Site is two residential sites with trees at Mona Vale.
- 1.5 The trees were identified by ground level Visual Tree Assessment (VTA) ¹ only in the data collection, taken on 28.7.2025. No aerial (climbing) was undertaken.
- 1.6 All site photographs were taken by the author at the site. All photographs were taken using a digital camera (Canon 7D) with no image enhancement either within the camera or on computer.
- 1.7 The subject trees were located on plans supplied. The trees have been plotted and can be found on Annexure B – Tree Location Plan.
- 1.8 The trees were identified and their genus species and common name used. The trees were identified by the use of data collected and compared to G Burnie, S Forrester et al (1997) **Botanica** Random House, Milsons Point, NSW, Australia.
- 1.9 DSH. The Trunk Diameter at Standard Height (1.4 metres above ground level) in centimetres was measured over bark using a metal tape which automatically converts to diameter and assumes a circular trunk cross section.
- 1.10 DRB. The trunk Diameter above Root Buttress in centimetres was measured over bark using a metal tape which automatically converts to diameter and assumes a circular trunk cross section.
- 1.11 Height. Estimated overall height in metres.
- 1.12 Spread. Measured with a metal tape measure and shown in metres.
- 1.13 Useful Life Expectancy (ULE)².
A systematic pre-development tree assessment procedure developed by Jeremy Barrell, Hampshire, England. It gives a length of time that the Arborist feels a

¹ Mattheck, Dr. Clause & Breloer, Helge (1994) – Sixth Edition (2001) **The Body Language of Trees – A Handbook for Failure Analysis** The Stationery Office, London, England

² Barrell, Jeremy (1996, 2001) **Pre-development Tree Assessment** Proceedings of the International Conference on Trees and Building Sites (Chicago) International Society of Arboriculture, Illinois, USA

particular tree can be retained with an acceptable level of risk based on the information available at the time of the inspection. SULE ratings are Long (retainable for 40 years or more with an acceptable level of risk), Medium, (retainable for 16 – 39 years), Short (retainable for 5 – 15 years) and Removal (tree requiring immediate removal due to imminent hazard or absolute unsuitability).

1.14 The Structural Root Zone (SRZ) have been calculated in terms of AS 4970 – 2025 Protection of trees on development site Section 3.

1.15 Notional Root Zone (NRZ) – Zone enclosed by a radius times DSH [Trunk Diameter at 1.4m above ground level] that is a primary trigger for arboricultural input on a development site as noted in AS 4970 – 2025 Protection of trees on development site Section 1.3.11.

1.16 The NRZ is the starting point for determining the Tree Protection Zone (TPZ), along with the considerations in Clause 3.3.2 of AS 4970 – 2025. Alternatively, the TPZ may be specified by the consent authority.

1.17 Retention value & landscape significance as described by ICAC – STARS © have been used for the trees in this report.

1.18 To prepare this report we have reviewed the following documents:

- Detail survey by TSS dated 29.7.2025.2023 & 19.6.2025.
- Architectural plans by JKM Architects Pty Ltd dated 27.10.2025, Rev D.
- Landscape plans by Outfield Landscape Architecture dated 23.10.2025, Rev C
- Northern Beaches Council, B4.22 Preservation of Trees or Bushland Vegetation (TPO); &
- Australian Standard AS 4970 – 2025 Protection of trees on development sites.

2. OBSERVATIONS as seen on the day of inspection (28.7.2025)

2.1 Our tree observations can be found in Annexure A. N.B. Tree 10 was not located during the site inspection.

3. DISCUSSIONS

3.1 We have been commissioned by Mr J Bruce, to examine the health and condition of the trees on and around this development site.

It is proposed to demolish the existing and the construction of a residential development on Site (development works).

3.2 We have examined the trees on site and can suggest the following considerations for the development works:

1. Tree 1 *Eucalyptus sideroxylon Rosea* is a street tree in fair vitality with old pruning evident – refer plate 1.

The proposed driveways have less than 10% encroachment within the NRZ of this tree – refer Annexure C, thus allowing the retention of this tree.

Note this tree for retention and protection in the development works, in conformity with AS 4970 – 2025.



Plate 1: Tree 1.

2. The following trees are located in neighbouring property to the west: Tree 2, 4 & 5/6 *Jacaranda mimosifolia* and tree 3 *Casuarina glauca* – refer plate 2.

The development works have an encroachment of 7% within the NRZ of Tree 5/6 which is described as a low level of encroachment = retention.

The other trees are not impacted by the development works – refer Annexure C.



Plate 2: Trees 2, 3, 4 & 5/6.

3. The following trees are classified as Exempt trees in the Council's DCP and can be removed: Tree 7 *Plumeria rubra* var. *acutifolia*, tree 13 *Camellia sasanqua*, tree 14 *Hibiscus tiliaceus*, tree 15 *Melia azedarach*, tree 16 & 17 *Draecena marginata* & tree 17 *Draecena marginata* & *Plumeria rubra* var. *acutifolia*.

Note these exempt trees for removal in the development works.

4. The following trees are found on Site: Tree 8 *Schinus molle*, tree 9 & 11 *Syzygium smithii* and tree 12 *Melia azedarach*.

These trees are impacted by the proposed development works – refer Annexure C.

Note these site trees for removal in the development works.

It is noted the landscape plans show the replanting of 125 trees that will more than compensate for the removal of these four [4] trees.

3.3 The landscape plans have the following replacement trees to compensate for the removal of the trees on the site:

TREES

Plants/ID	Botanical name	Common Name	Quantity	Scheduled Size
BanInt	<i>Banksia integrifolia</i>	Coast Banksia	3	400mm
CuAn	<i>Cupaniopsis anacardioides</i>	Tuckeroo	4	5L
EuRa	<i>Eucalyptus racemosa</i>	Narrow-leaved Scribbly Gum	5	45L
MurPan	<i>Murraya paniculata</i>	Orange Jasmine	31	300mm
Syz aus	<i>Syzygium australe</i> 'Resilience'	Lilly Pilly	82	200mm

4. RECOMMENDATIONS

The following recommendations are advised:

- Retain the following council street trees: Tree 1.
- Retain the following trees as part of the development: Tree 2, 3, 4 & 5/6.

- c) Remove the following exempt trees on site: Tree 7, 13, 14, 15, 16 & 17.
- d) Remove the following trees on the site: Tree 8, 9 11 & 12.
- e) Tree removal work shall be carried out by an experienced tree surgeon in accordance with *Safe Work Australia Guide for Managing Risks of Tree Trimming and Removal (2016)*.
- f) Install the following Tree Protection Measures around the retained street tree: Tree 1, tree protection measures shall be a temporary fence of chain wire panels 1.8 metres in height (or equivalent), supported by steel stakes or concrete blocks as required and fastened together and supported to prevent sideways movement. Existing boundary fences or walls are to be retained shall constitute part of the tree protection fence where appropriate. A sign is to be erected on the tree protection fences of the trees to be retained that the trees are covered by Council's tree preservation orders and that "No Access" is permitted into the tree protection zone – Refer Annexure D.
- g) Trunk protection shall consist of a padding material such as hessian or thick carpet underlay wrapped around the trunk. Timber planks (50mm x 100mm or similar) shall be placed over the padding and around the trunk of the tree at 150mm centres. The planks shall be secured with 8-gauge wire or hoop steel at 300mm spacing. Trunk protection shall extend a minimum height of 2 metres on Trees 1: – refer Annexure D.
- h) Install the following Tree Protection Measures around the retained trees: Tree 2, 3, 4 & 5/6, tree protection measures shall be a temporary fence of chain wire panels 1.8 metres in height (or equivalent), supported by steel stakes or concrete blocks as required and fastened together and supported to prevent sideways movement. A sign is to be erected on the tree protection fences of the trees to be retained that the trees are covered by Council's tree preservation orders and that "No Access" is permitted into the tree protection zone – refer Annexure D.
- i) The Tree Protection Plan can be found on Annexure D [prepared as part of the Construction Certificate documents by a consulting arborist who holds the Diploma in Horticulture (Arboriculture), Level 5 – AQF L5].
- j) An AQF Level 5 Project Arborist shall be engaged to supervise the building works and certify compliance with all Tree Protection Measures as detailed by AS 4970 – 2025.
- k) The tree location plan can be found on Annexure B; &
- l) The tree impact plan can be found on Annexure C.



Ross Jackson M.A.A. & M.A.I.H.
 Consulting Arborist 1695
 Graduate Certificate in Arboriculture AQF Level 8 (Honours)
 Diploma Horticulture (Arboriculture) – AQF Level 5
 Certificate III in Horticulture
 Certificate in Horticulture (Landscape – Honours)
 ABN: 92 940 783 594



Co-written by
 Luke Jackson
 Arborist AQF Level 5

Annexure A: Observations as seen on the day of inspection of trees (28.7.2025)

Tree No	Botanical Name	Age Class	Height (m)	Spread (m)	D.S.H. (cm)	D.R.B. (cm)	NRZ/TPZ (radius m)	SRZ (radius m)	Condition comments as seen on site	ULE	Landscape significance	Retention value
1	<i>Eucalyptus sideroxylon 'Rosea'</i>	M	8	8	55	70	6.6	2.8	F vitality, ST, old pruning, thin foliage	2	Medium	High
2	<i>Jacaranda mimosifolia</i>	M	8	6	25, 30	40	4.7	2.3	G vitality, suppressed, ND	2	Medium	Medium
3	<i>Casuarina glauca</i>	M	12	6	35	45	4.2	2.4	G vitality, ND	1	High	High
4	<i>Jacaranda mimosifolia</i>	M	7	5	20	25	2.4	1.8	G vitality. ND	2	Medium	Medium
5/6	<i>Jacaranda mimosifolia</i>	M	9	8	30, 20	50	4.3	2.5	G vitality, ND	2	Medium	Medium
7	<i>Plumeria rubra var. acutifolia</i>	M	4	4	3x10	25	2.1	1.8	Exempt species [G vitality]	4	Low	Remove
8	<i>Schinus molle</i>	M	10	8	40	50	4.8	2.5	G vitality	2	Medium	Medium
9	<i>Syzygium smithii</i>	M	8	6	25	30	3.0	2.0	G vitality	2	Medium	Medium
10	<i>Not Found</i>	-	-	-	-	-	-	-	-	-	-	-
11	<i>Syzygium smithii</i>	M	9	10	45	60	5.4	2.7	G vitality	2	Medium	Medium
12	<i>Melia azedarach</i>	M	10	10	40	50	4.8	2.5	G vitality	2	Medium	Medium
13	<i>Camellia sasanqua</i>	M	4	4	3x10, 15	25	2.7	1.8	Exempt species [G vitality]	4	Low	Remove
14	<i>Hibiscus tiliaceus</i>	M	4	5	20	25	2.4	1.8	Exempt species [G vitality, N.B.4m Tuckeroo adjacent]	4	Low	Remove
15	<i>Melia azedarach</i>	M	4	4	40	45	4.8	2.4	Exempt species [G vitality]	4	Low	Remove
16	<i>Dracaena marginata</i>	M	3	2	15	20	2.0	1.7	Exempt species [G vitality]	4	Low	Remove
17	<i>Dracaena marginata</i>	M	3	2	15	20	2.0	1.7	Exempt species [G vitality]	4	Low	Remove
	<i>Plumeria rubra var. acutifolia x2</i>	M	3	-	-	-	-	-	Exempt species [G vitality]	4	Low	Remove

Terms used in Tree Survey & Report:

Age Class

(Y) – Young refers to a well-established but juvenile tree. Less than 1/3 life expectancy

(SM) – Semi-mature refers to a tree at growth stages between immaturity and full size. A tree has reached First Adult Form i.e. displays adult characteristics. 1/3 to 2/3 life expectancy

(M)- Mature refers to a full-size tree with some capacity for future growth. Older than 2/3 life expectancy

(OM) – Over-mature refers to a tree approaching decline or already declining. Older than 2/3 life expectancy and showing signs of irreversible decline.

Health refers to a tree's vigour, growth rate, disease and/or insects.

Vitality summarises observations about the health and structure of the tree on a scale of: **(G) Good, (F) Fair, (P) Poor & (D) Dead.**

Good: Tree is generally healthy and free from obvious signs of structural weaknesses or significant effects of pests and diseases or infection;

Fair: Tree is generally vigorous although has some indication of being adversely affected by the early effects of disease or infection or environmental or mechanical damage. Appropriate tree maintenance can usually improve overall health and halt decline;

Poor: Tree in decline and is not likely to improve with reasonable maintenance practices or has a structural fault such as bark inclusion;

Dead: Tree no longer capable of sustained growth.

Deadwood (DW) – deadwood found in canopy as a percentage.

Over Head Power Lines (OHPL) – upper canopy pruned to accommodate power lines at a given height.

Height expressed in metres refers to estimated overall height of tree.

Next Door tree (ND) – tree located in the neighbour's property.

Street Tree (ST) – tree located in Councils footpath reserve.

Spread expressed in metres refers to estimated spread of crown at the drip line.

(DSH) Diameter at Standard Height expressed in millimetres refers to the trunk diameter at 1.4 metres above ground level. Where there are multiple trunks the combined diameter has been calculated in terms of AS 4970 – 2025.

(DRB) Diameter above Root Buttress expressed in millimetres refers to the trunk diameter above root buttress.

(NRZ) Notional Root Zone enclosed by a radius x 12 above ground level, that is a primary trigger for arboricultural input on a development site as noted in AS 4970 – 2025 – Section 3.

(TPZ) Tree Protection Zone & Structural Root Zone (SRZ) as defined by AS 4970 – 2025 Section 3

(ULE) The various ULE categories indicate the useful life anticipated for an individual tree or trees assessed as a group. Factors such as the location, age, condition and vitality of the tree are significant to the determination of this rating. Other influences such as the tree's effect on better specimens and the economics of managing the tree successfully in its location are also relevant to ULE (Barrell 1993, 1995, 2001).

ULE RATING (UPDATED 1/4/01) BARRELL

1.Long ULE: Trees that appear to be retainable at the time of assessment for more than 40 years with an acceptable level of risk.	2.Medium ULE: Trees that appear to be retainable at the time of assessment for more than 15-40 years with an acceptable level of risk.	3.Short ULE: Trees that appear to be retainable at the time of assessment for more than 5-15 years with an acceptable level of risk.	4.Remove: Trees that should be removed within the next 5 years.	5.Small, young or regularly pruned: Trees that can be reliably moved or replaced.
(A) Structurally sound trees located in positions that can accommodate future growth	(A) Trees that may only live between 15 and 40 more years.	(A) Trees that may only live between 5 and 15 more years.	(A) Dead, dying, suppressed or declining trees because of disease or inhospitable conditions.	(A) Small trees less than 5 Metres in height.
(B) Trees that could be made suitable for retention in the long term by remedial tree care.	(B) Trees that could live for more than 40 years but may be removed for safety or nuisance reasons.	(B) Trees that could live for more than 15 years but may be removed for safety or nuisance reasons.	(B) Dangerous trees because of instability or recent loss of adjacent trees.	(B) Young trees less than 15 years old but over 5 metres in height.
(C) Trees of special significance for historical, commemorative or rarity reasons that would warrant extraordinary efforts to secure their long term retention.	(C) Trees that could live for more than 40 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.	(C) Trees that could live for more than 15 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.	(C) Dangerous trees because of structural defects including cavities, decay, included bark, wounds or poor form.	(C) Formal hedges and trees intended for regular pruning to artificially control growth.
	(D) Trees that could be made suitable for retention in the medium term by remedial tree care.	(D) Trees that require substantial remedial tree care and are only suitable for retention in the short term.	(D) Damaged trees that are clearly not safe to retain.	
			(E) Trees that could live for more than 5 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting.	
			(F) Trees that are damaging or may cause damage to existing structures within 5 years.	
			(G) Trees that will become dangerous after removal of other trees for the reasons given in (A) to (F).	
			(H) Trees in categories (A) to (G) that have a high wildlife habitat value and, with appropriate treatment, could be retained subject to regular review.	

IACA Significance of a Tree, Assessment Rating System (STARS)© (IACA 2010)©

In the development of this document IACA acknowledges the contribution and original concept of the Footprint Green Tree Significance & Retention Value Matrix, developed by Footprint Green Pty Ltd in June 2001.

The landscape significance of a tree is an essential criterion to establish the importance that a particular tree may have on a site. However, rating the significance of a tree becomes subjective and difficult to ascertain in a consistent and repetitive fashion due to assessor bias. It is therefore necessary to have a rating system utilising structured qualitative criteria to assist in determining the retention value for a tree. To assist this process all definitions for terms used in the *Tree Significance - Assessment Criteria* and *Tree Retention Value - Priority Matrix*, are taken from the IACA Dictionary for Managing Trees in Urban Environments 2009.

This rating system will assist in the planning processes for proposed works, above and below ground where trees are to be retained on or adjacent a development site. The system uses a scale of *High*, *Medium* and *Low* significance in the landscape. Once the landscape significance of an individual tree has been defined, the retention value can be determined. An example of its use in an Arboricultural report is shown as Appendix A.

Tree Significance - Assessment Criteria



1. High Significance in landscape

- The tree is in good condition and good vigour;
- The tree has a form typical for the species;
- The tree is a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age;
- The tree is listed as a Heritage Item, Threatened Species or part of an Endangered ecological community or listed on Councils significant Tree Register;
- The tree is visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity;
- The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group or has commemorative values;
- The tree's growth is unrestricted by above and below ground influences, supporting its ability to reach dimensions typical for the taxa *in situ* - tree is appropriate to the site conditions.

2. Medium Significance in landscape

- The tree is in fair-good condition and good or low vigour;
- The tree has form typical or atypical of the species;
- The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area
- The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street,
- The tree provides a fair contribution to the visual character and amenity of the local area,
- The tree's growth is moderately restricted by above or below ground influences, reducing its ability to reach dimensions typical for the taxa *in situ*.

3. Low Significance in landscape

- The tree is in fair-poor condition and good or low vigour;
- The tree has form atypical of the species;
- The tree is not visible or is partly visible from surrounding properties as obstructed by other vegetation or buildings,
- The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area,
- The tree is a young specimen which may or may not have reached dimension to be protected by local Tree Preservation orders or similar protection mechanisms and can easily be replaced with a suitable specimen,
- The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa *in situ* - tree is inappropriate to the site conditions,
- The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms,
- The tree has a wound or defect that has potential to become structurally unsound.

Environmental Pest / Noxious Weed Species

- The tree is an Environmental Pest Species due to its invasiveness or poisonous/ allergenic properties,
- The tree is a declared noxious weed by legislation.

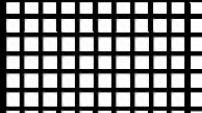
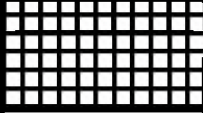
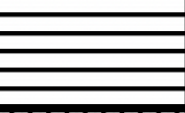
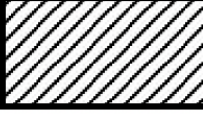
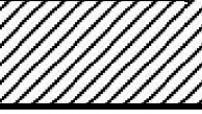
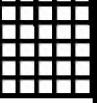
Hazardous/Irreversible Decline

- The tree is structurally unsound and/or unstable and is considered potentially dangerous,
- The tree is dead, or is in irreversible decline, or has the potential to fail or collapse in full or part in the immediate to short term.

The tree is to have a minimum of three (3) criteria in a category to be classified in that group.

Note: The assessment criteria are for individual trees only, however, can be applied to a monocultural stand in its entirety e.g. hedge.

Table 1.0 Tree Retention Value - Priority Matrix.

		Significance				
		1. High	2. Medium	3. Low		
		Significance in Landscape	Significance in Landscape	Significance in Landscape	Environmental Pest / Noxious Weed Species	Hazardous / Irreversible Decline
Estimated Life Expectancy	1. Long >40 years					
	2. Medium 15-40 Years					
	3. Short <1-15 Years					
	Dead					
<u>Legend for Matrix Assessment</u> 						
	Priority for Retention (High) - These trees are considered important for retention and should be retained and protected. Design modification or re-location of building/s should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4970 <i>Protection of trees on development sites</i> . Tree sensitive construction measures must be implemented e.g. pier and beam etc if works are to proceed within the Tree Protection Zone.					
	Consider for Retention (Medium) - These trees may be retained and protected. These are considered less critical; however their retention should remain priority with removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered and exhausted.					
	Consider for Removal (Low) - These trees are not considered important for retention, nor require special works or design modification to be implemented for their retention.					
	Priority for Removal - These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.					

USE OF THIS DOCUMENT AND REFERENCING

The IACA Significance of a Tree, Assessment Rating System (STARS) is free to use, but only in its entirety and must be cited as follows:

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

REFERENCES

Australia ICOMOS Inc. 1999, *The Burra Charter – The Australian ICOMOS Charter for Places of Cultural Significance*, International Council of Monuments and Sites, www.icomos.org/australia

Draper BD and Richards PA 2009, *Dictionary for Managing Trees in Urban Environments*, Institute of Australian Consulting Arboriculturists (IACA), CSIRO Publishing, Collingwood, Victoria, Australia.

Footprint Green Pty Ltd 2001, *Footprint Green Tree Significance & Retention Value Matrix*, Avalon, NSW Australia, www.footprintgreen.com.au

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

Appendix A

The following example shows the IACA **Significance of a Tree, Assessment Rating System (STARS)** used in an Arboricultural report.

Tree Significance

Determined by using the Tree Significance - Assessment Criteria of the *IACA Significance of a Tree, Assessment Rating System (STARS)©* (IACA, 2010), Appendix B.

Trees 14, 16, 17/3, 19 and 20/4 are of high significance with the remaining majority of medium significance and a few of low significance. Tree 14 is significant as a prominent specimen and a food source for indigenous avian fauna. Tree 16 as a non-locally indigenous planting is of good form and prominent *in situ*; Tree 17/3 as a stand of 6 street trees along the Davey Street frontage screening views to and from the site and contiguous with trees in Victoria Park extending the aesthetic influence of the urban canopy to the site. Similarly for Trees 20/4 as street trees in Long Road and Tree 19 as an extant exotic planting as a senescent component of the original landscaping. The trees of low significance are recent plantings as fruit trees – Avocados, and 1 Cootamundra Wattle as a non-locally indigenous tree in irreversible decline and potentially structurally unsound.

Significance Scale

1 – High
2 – Medium
3 – Low

Significance Scale	1	2	3
Tree No. / Stand No.	14, 16, 17/3, 19, 20/4	1/1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12/2, 15, 18, 21/5	3, 13, 22

Tree Retention Value

Determined by using the Retention Value - Priority Matrix of the *IACA Significance of a Tree, Assessment Rating System (STARS)©* (IACA, 2010), Appendix B.

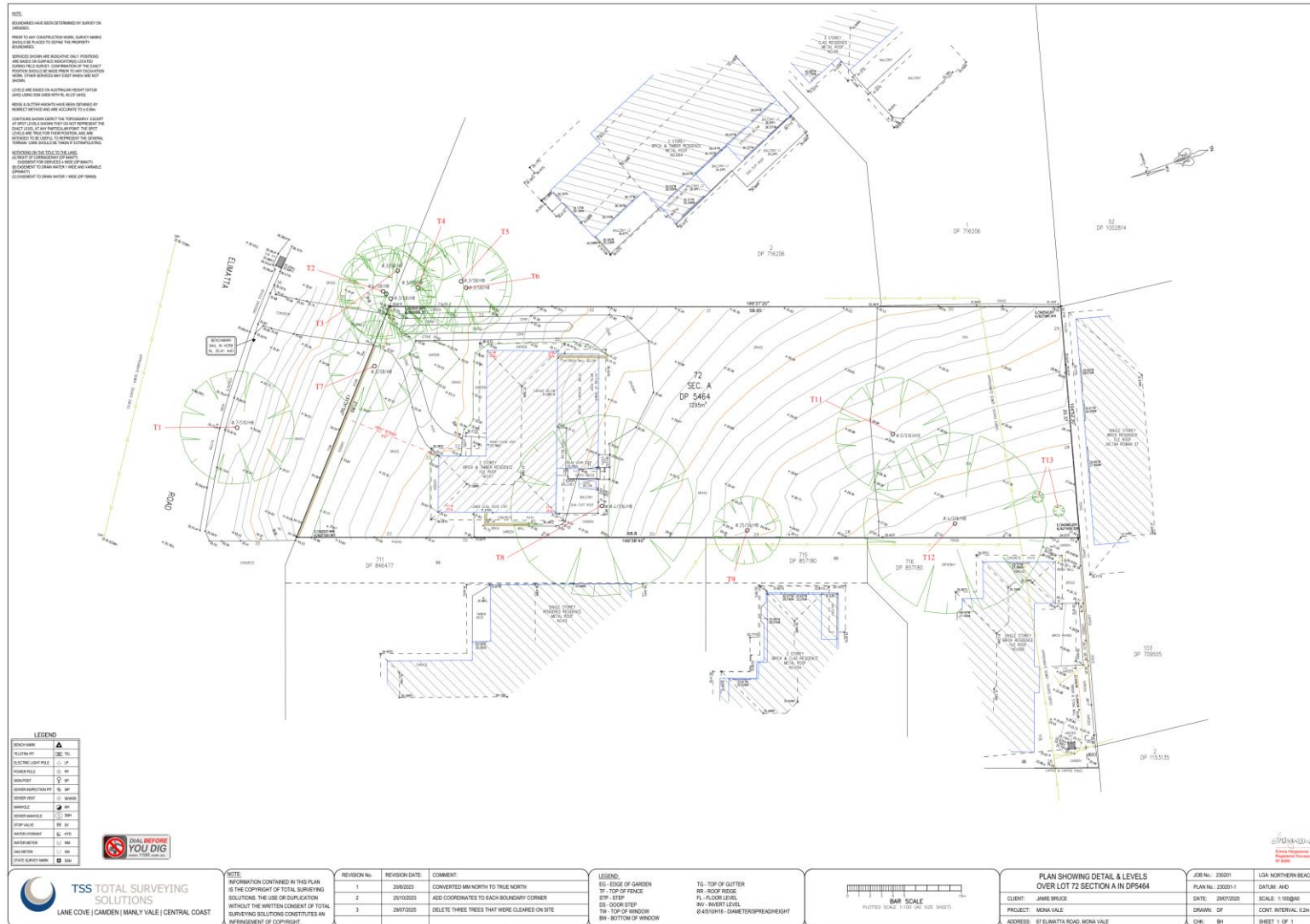
Retention Value

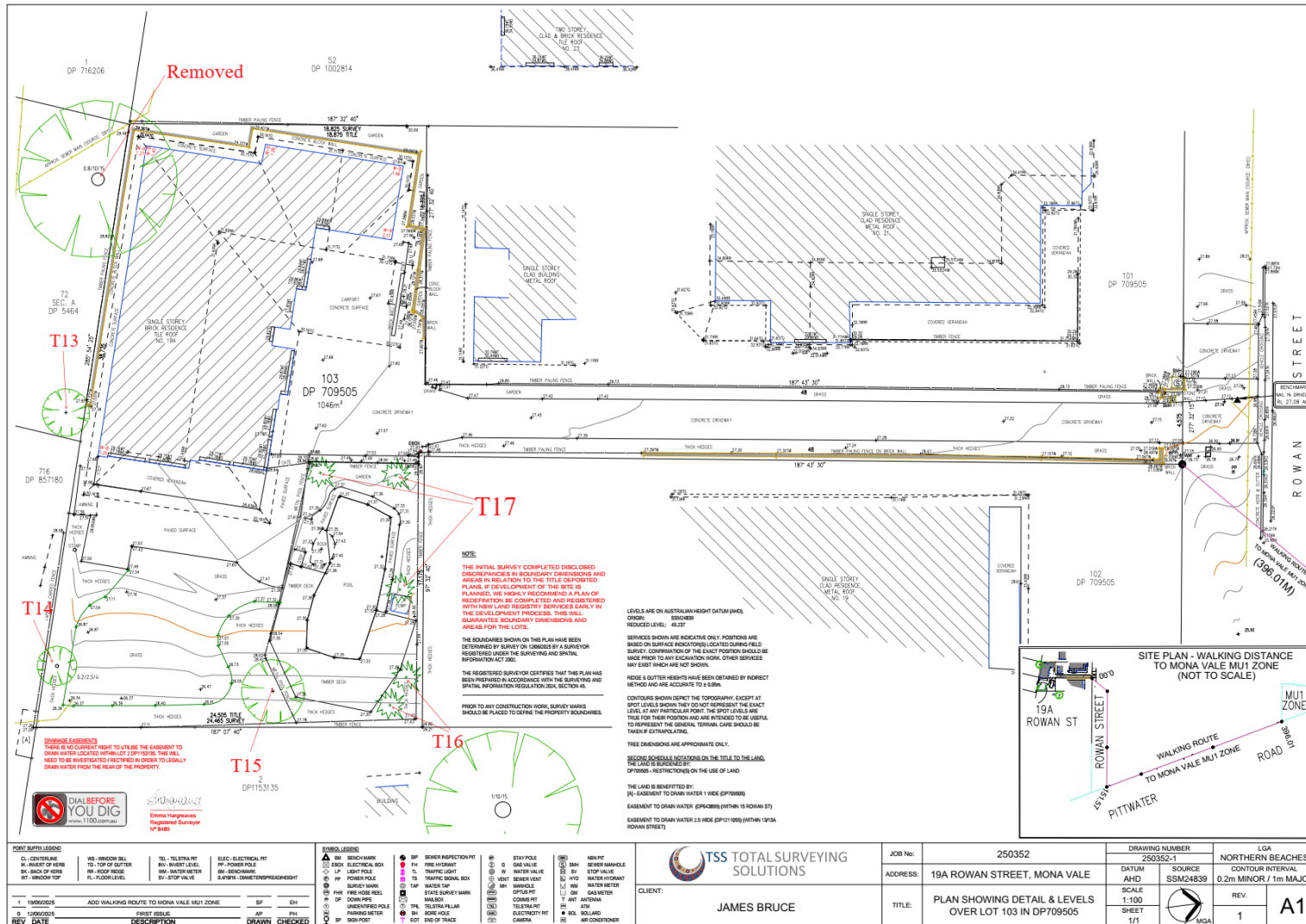
High – Priority for Retention
Medium – Consider for Retention
Low – Consider for Removal
Remove - Priority for Removal

Retention Value	High Priority for Retention	Medium Consider for Retention	Low Consider for Removal	Remove Priority for Removal
Tree No. / Stand No.	1/1, 5, 17/3*, 19	2, 4, 6, 7, 8, 9, 10, 11, 14, 15, 16, 18, 20/4*, 21/5	3, 12/2, 13,	22

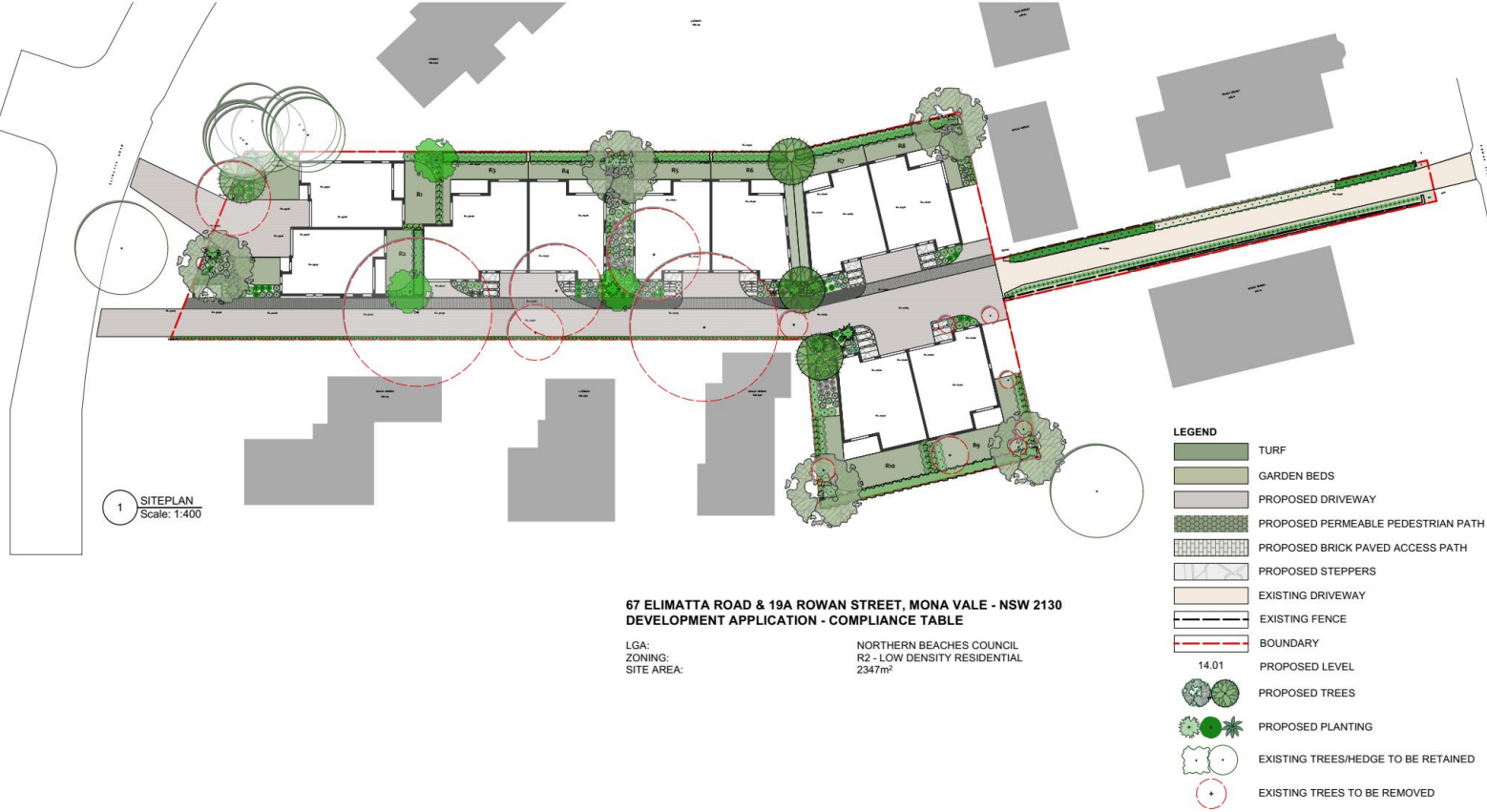
* Trees located within the neighbouring property and should be retained and protected.

Annexure B: Tree location plans





Annexure C: Tree impact plans



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T 0450 211 170
W outfieldstudio.com.au
E hamish@outfieldstudio.com.au

Hamish Putt AILA
Registered Landscape Architect #1852

Australian Institute of
Landscape Architects

CLIENT NAME
ARCADIA PROPERTY GROUP

PROJECT ADDRESS
67 ELIMATTA ROAD & 19A ROWAN STREET,
MONA VALE, NSW 2130

DESIGN STAGE
DEVELOPMENT APPLICATION

DRAWING TITLE
SITEPLAN

DESIGNED BY
HP

DRAWN BY
MH

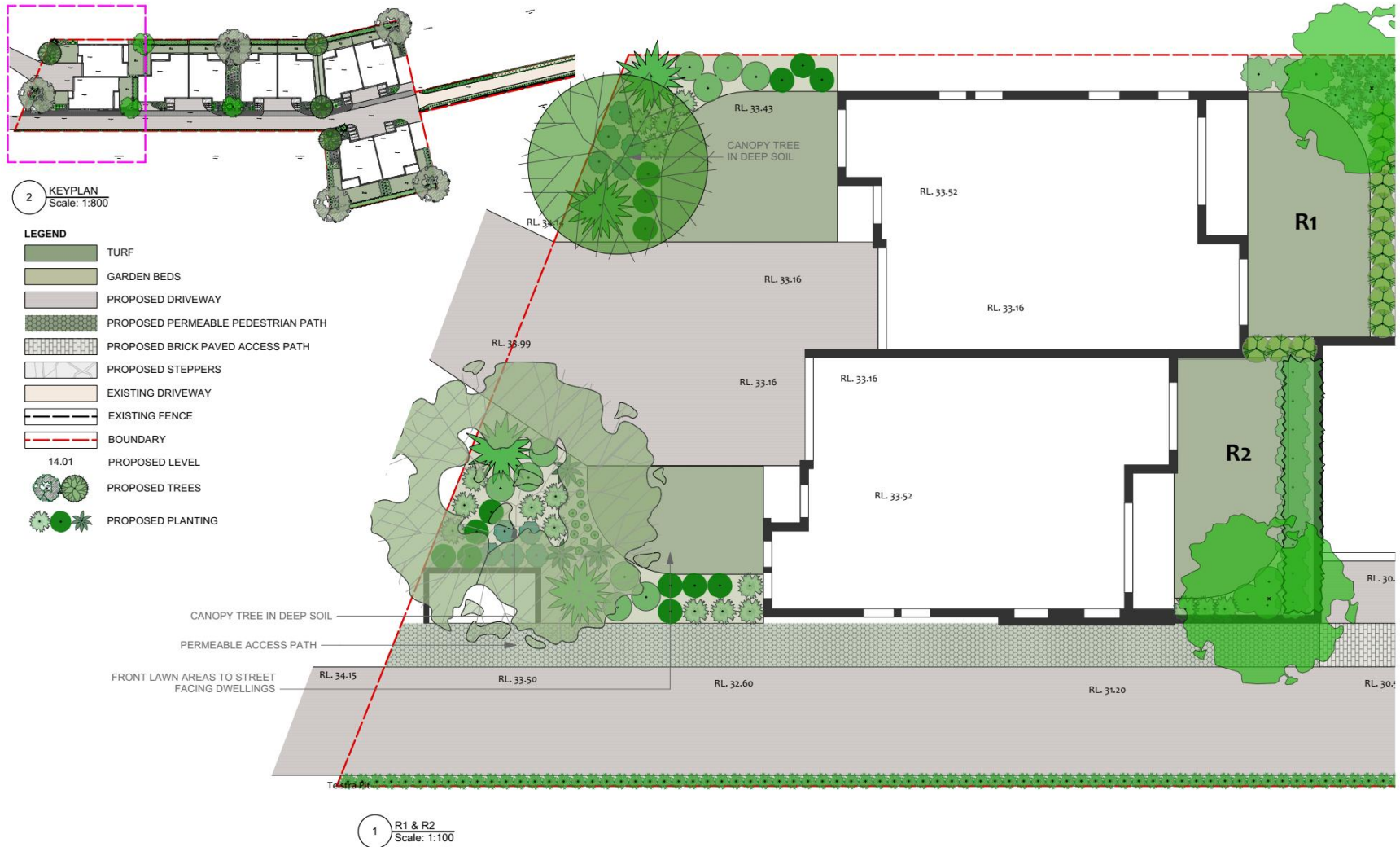
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DATE
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SHEET NO.
01





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T 0450 211 170
W outfieldstudio.com.au
E hamish@outfieldstudio.com.au

Hamish Puit AILA
Registered Landscape Architect #1852

 Australian Institute of
Landscape Architects

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ARCADIA PROPERTY GROUP

PROJECT ADDRESS
67 ELIMATTA ROAD & 19A ROWAN STREET,
MONA VALE, NSW 2130

DESIGN STAGE
DEVELOPMENT APPLICATION

DRAWING TITLE
R1 & R2

DESIGNED BY
HP

DRAWN BY
MH

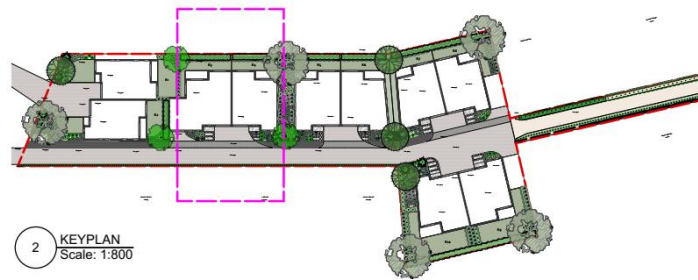
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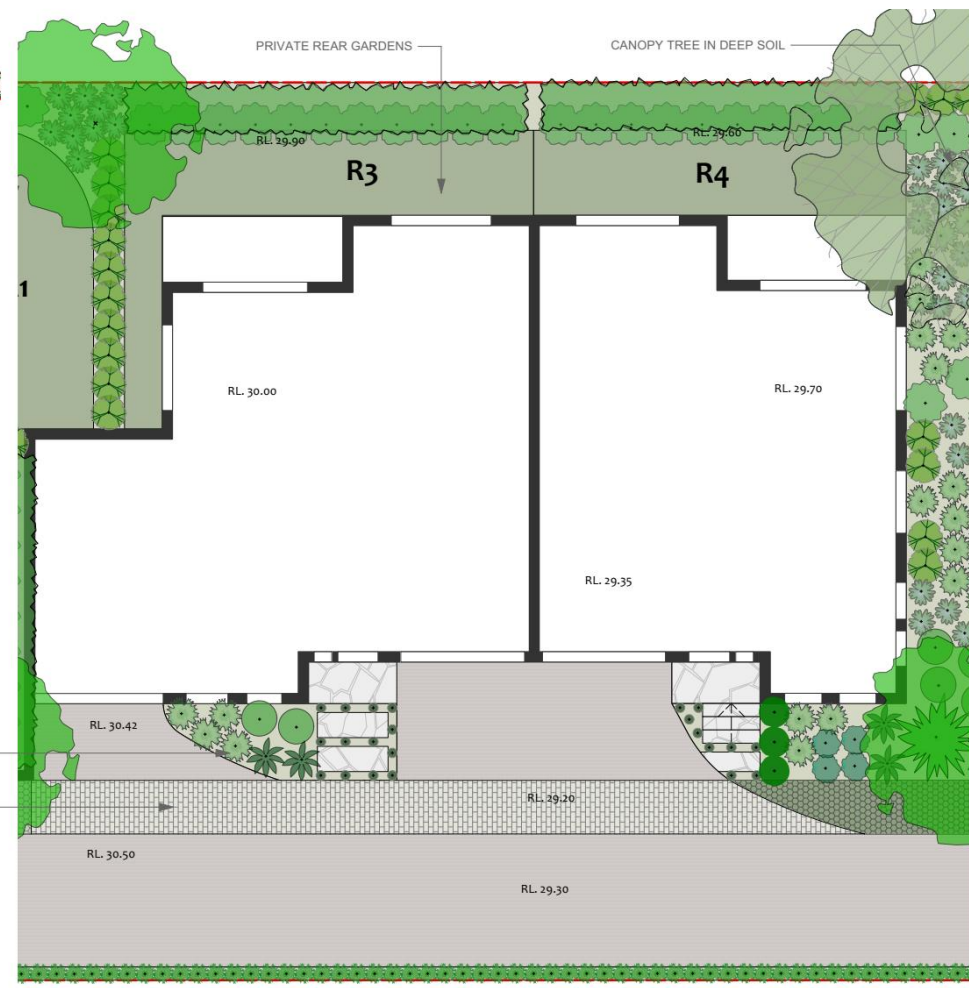
SHEET NO.
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2 KEYPLAN
Scale: 1:800

- LEGEND**
- TURF
 - GARDEN BEDS
 - PROPOSED DRIVEWAY
 - PROPOSED PERMEABLE PEDESTRIAN PATH
 - PROPOSED BRICK PAVED ACCESS PATH
 - PROPOSED STEPPERS
 - EXISTING DRIVEWAY
 - EXISTING FENCE
 - BOUNDARY
 - 14.01 PROPOSED LEVEL
 - PROPOSED TREES
 - PROPOSED PLANTING



1 R3 & R4
Scale: 1:100

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T 0450 211 170
W outfieldstudio.com.au
E hamish@outfieldstudio.com.au

Hamish Put AILA
Registered Landscape Architect #1852

 Australian Institute of Landscape Architects

CLIENT NAME
ARCADIA PROPERTY GROUP

PROJECT ADDRESS
67 ELIMATTA ROAD & 19A ROWAN STREET,
MONA VALE, NSW 2130

DESIGN STAGE
DEVELOPMENT APPLICATION

DRAWING TITLE
R3 & R4

DESIGNED BY
HP

DRAWN BY
MH

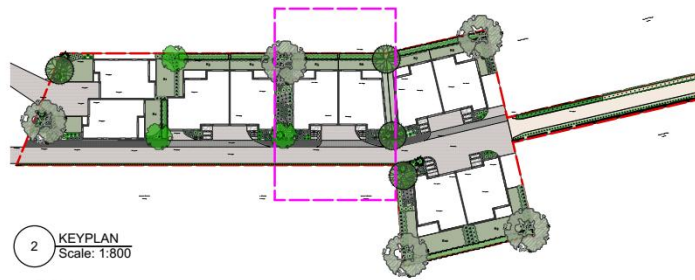
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DATE
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SHEET NO.
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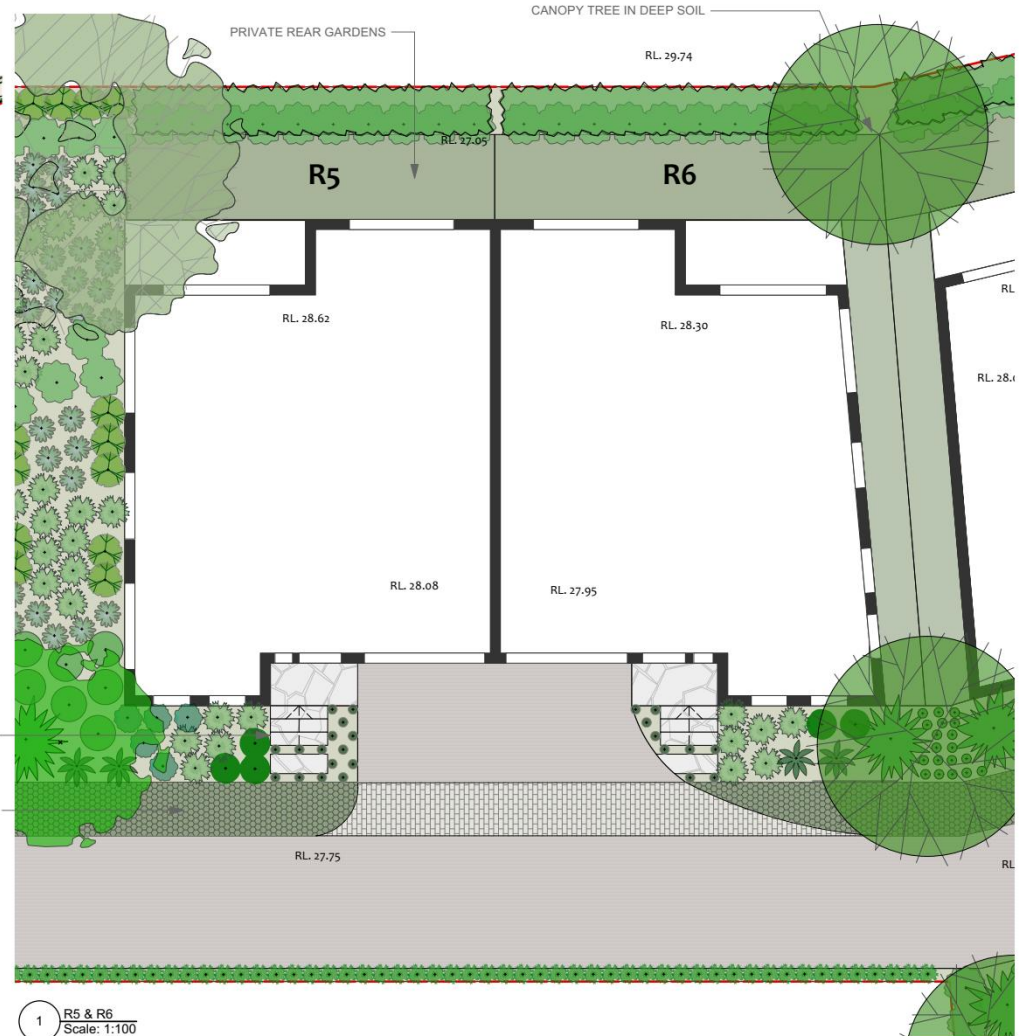


LEGEND

- TURF
- GARDEN BEDS
- PROPOSED DRIVEWAY
- PROPOSED PERMEABLE PEDESTRIAN PATH
- PROPOSED BRICK PAVED ACCESS PATH
- PROPOSED STEPPERS
- EXISTING DRIVEWAY
- EXISTING FENCE
- BOUNDARY
- 14.01 PROPOSED LEVEL
- PROPOSED TREES
- PROPOSED PLANTING

PAVED STEPPER ACCESS TO DWELLINGS

FEATURE BRICK TILE AND PERMEABLE PAVEMENT TO DELINEATE PEDESTRIAN WALKWAY



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T 0450 211 170
W outfieldstudio.com.au
E hamish@outfieldstudio.com.au
Hamish Puri AILA
Registered Landscape Architect #1852



Australian Institute of
Landscape Architects

CLIENT NAME
ARCADIA PROPERTY GROUP

PROJECT ADDRESS
67 ELIMATTA ROAD & 19A ROWAN STREET,
MONA VALE, NSW 2130

DESIGN STAGE
DEVELOPMENT APPLICATION

DRAWING TITLE
R5 & R6

DESIGNED BY
HP

DRAWN BY
MH

SCALE
1:100

DATE
23.10.25

REVISION
C

SHEET NO.
06





LEGEND

-  TURF
-  GARDEN BEDS
-  PROPOSED DRIVEWAY
-  PROPOSED PERMEABLE PEDESTRIAN PATH
-  PROPOSED BRICK PAVED ACCESS PATH
-  PROPOSED STEPPERS
-  EXISTING DRIVEWAY
-  EXISTING FENCE
-  BOUNDARY
-  14.01 PROPOSED LEVEL
-  PROPOSED TREES
-  PROPOSED PLANTING



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T 0450 211 170
W outfieldstudio.com.au
E hamish@outfieldstudio.com.au

Hamish Put AILA
Registered Landscape Architect #1852



Australian Institute of
Landscape Architects

CLIENT NAME
ARCADIA PROPERTY GROUP

PROJECT ADDRESS
67 ELIMATTA ROAD & 19A ROWAN STREET,
MONA VALE, NSW 2130

DESIGN STAGE
DEVELOPMENT APPLICATION

DRAWING TITLE
R7 & R8

DESIGNED BY
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DRAWN BY
MH

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T 0450 211 170
W outfieldstudio.com.au
E hamish@outfieldstudio.com.au

Hamish Putt AILA
Registered Landscape Architect #1852



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ARCADIA PROPERTY GROUP

PROJECT ADDRESS
67 ELIMATTA ROAD & 19A ROWAN STREET,
MONA VALE, NSW 2130

DESIGN STAGE
DEVELOPMENT APPLICATION

DRAWING TITLE
R9 & R10

DESIGNED BY
HP

DRAWN BY
MH

SCALE
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DATE
23.10.25

REVISION
C

SHEET NO.
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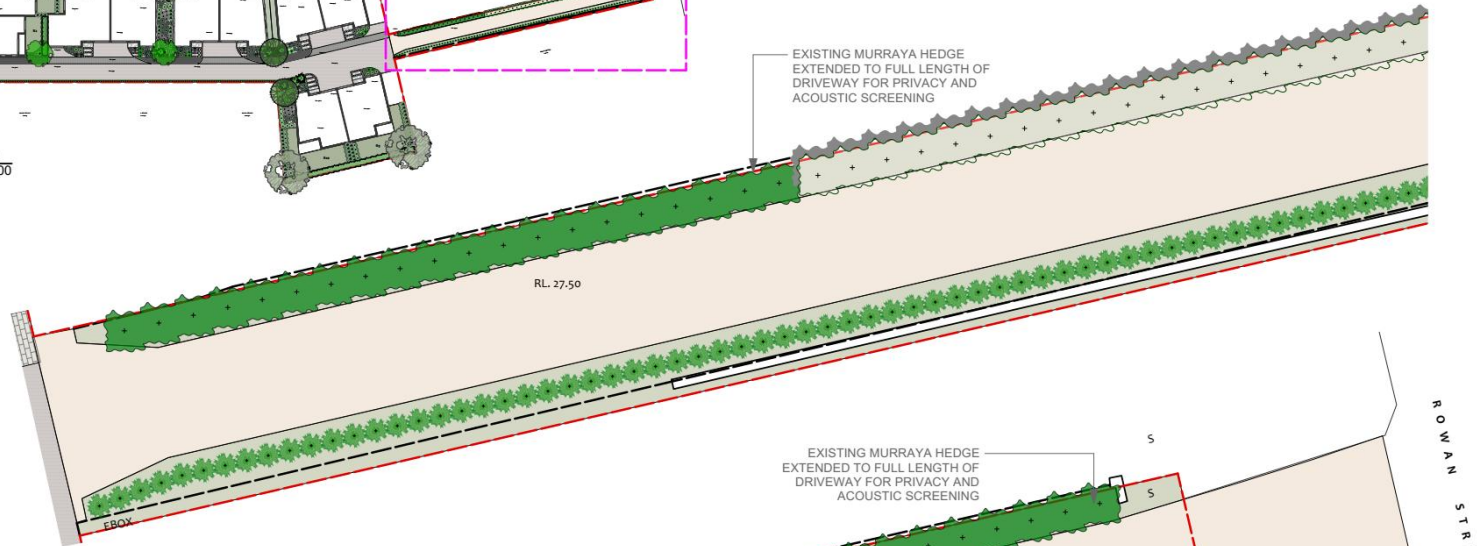


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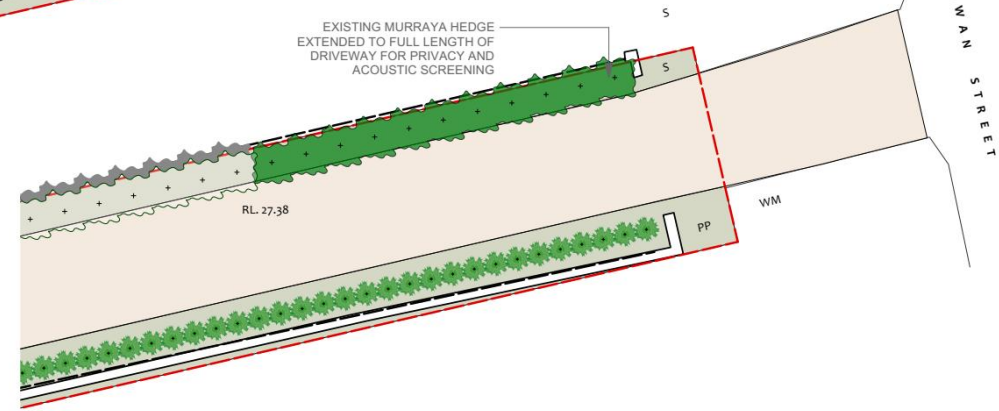
LEGEND

-  TURF
-  GARDEN BEDS
-  PROPOSED DRIVEWAY
-  PROPOSED PERMEABLE PEDESTRIAN PATH
-  PROPOSED BRICK PAVED ACCESS PATH
-  PROPOSED STEPPERS
-  EXISTING DRIVEWAY
-  EXISTING FENCE
-  BOUNDARY
-  14.01 PROPOSED LEVEL
-  PROPOSED TREES
-  PROPOSED PLANTING

1 DRIVEWAY-1
Scale: 1:100



2 DRIVEWAY-2
Scale: 1:100



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T 0450 211 170
W outfieldstudio.com.au
E hamish@outfieldstudio.com.au

Hamish Put AILA
Registered Landscape Architect #1852



Australian Institute of
Landscape Architects

CLIENT NAME
ARCADIA PROPERTY GROUP

PROJECT ADDRESS
67 ELIMATTA ROAD & 19A ROWAN STREET,
MONA VALE, NSW 2130

DESIGN STAGE
DEVELOPMENT APPLICATION

DRAWING TITLE
DRIVEWAY

DESIGNED BY
HP

DRAWN BY
MH

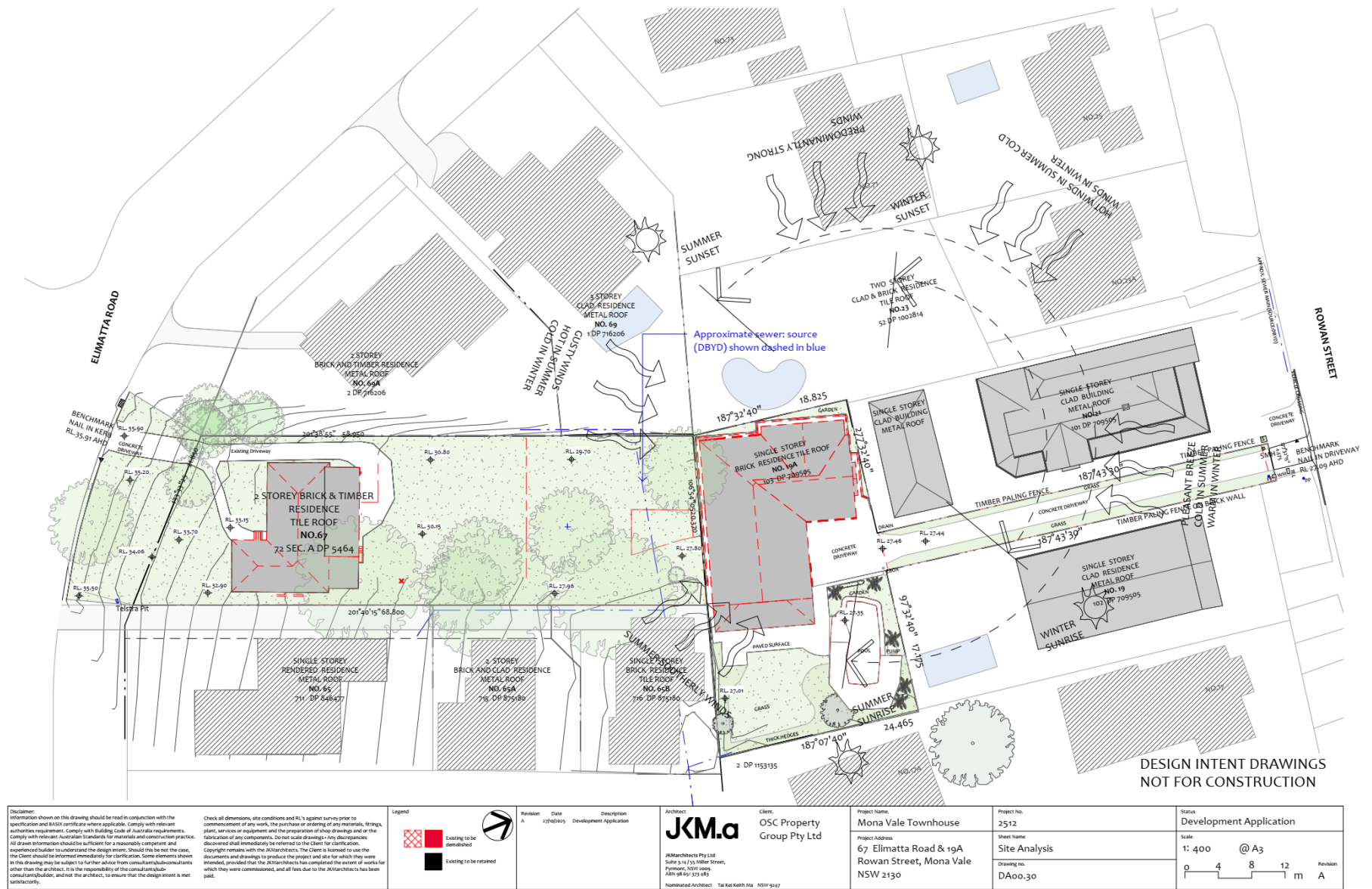
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C

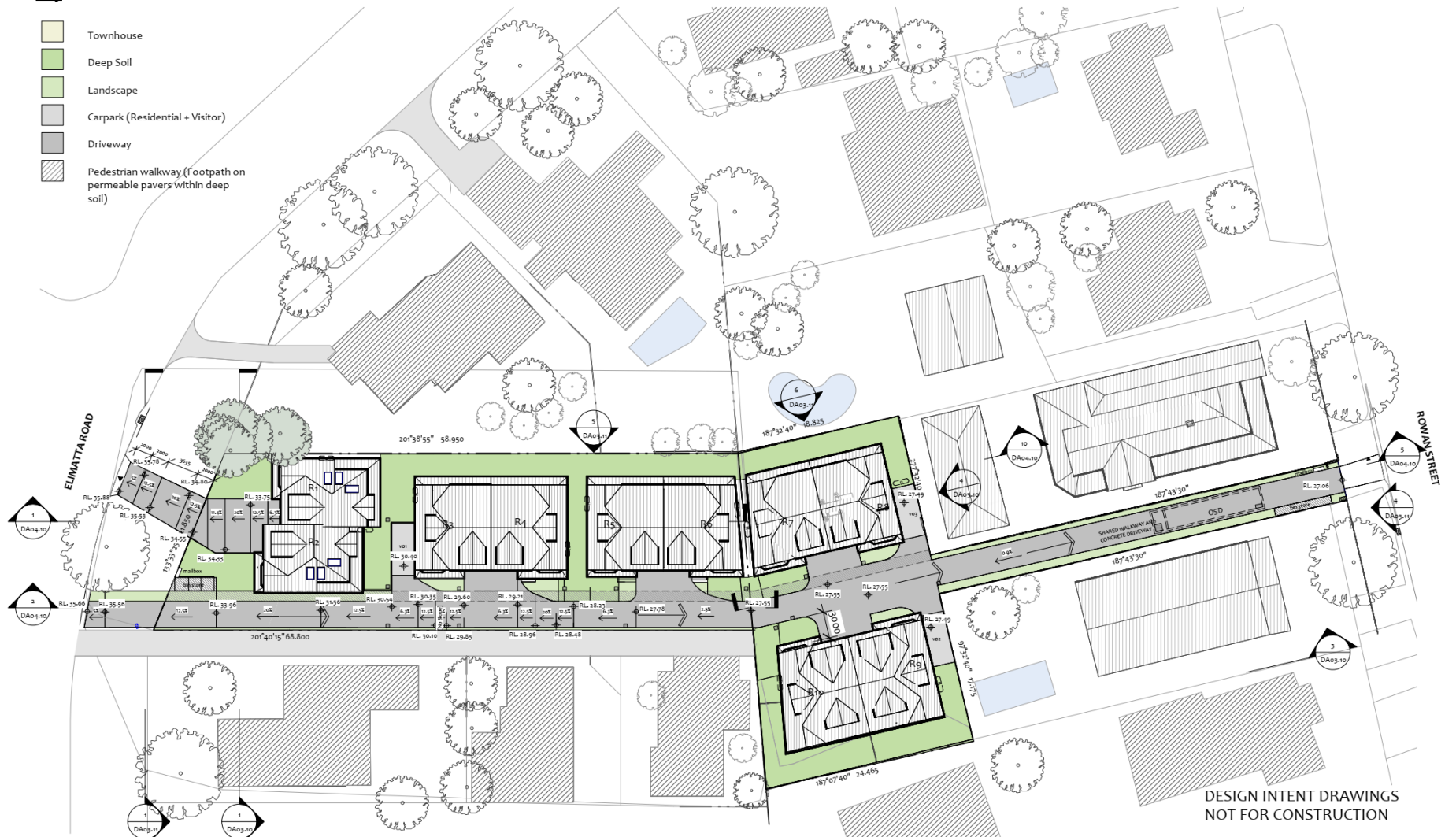
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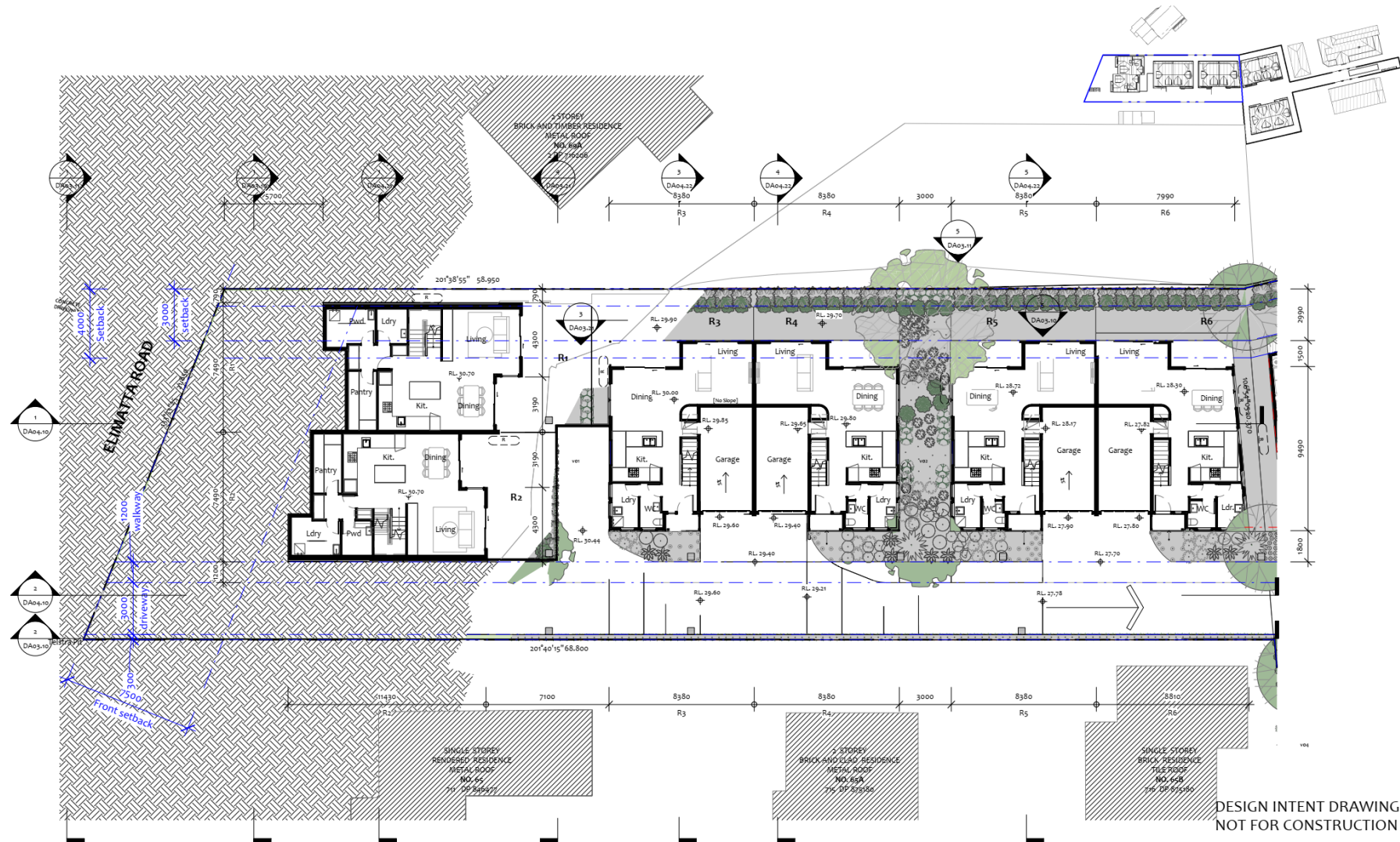


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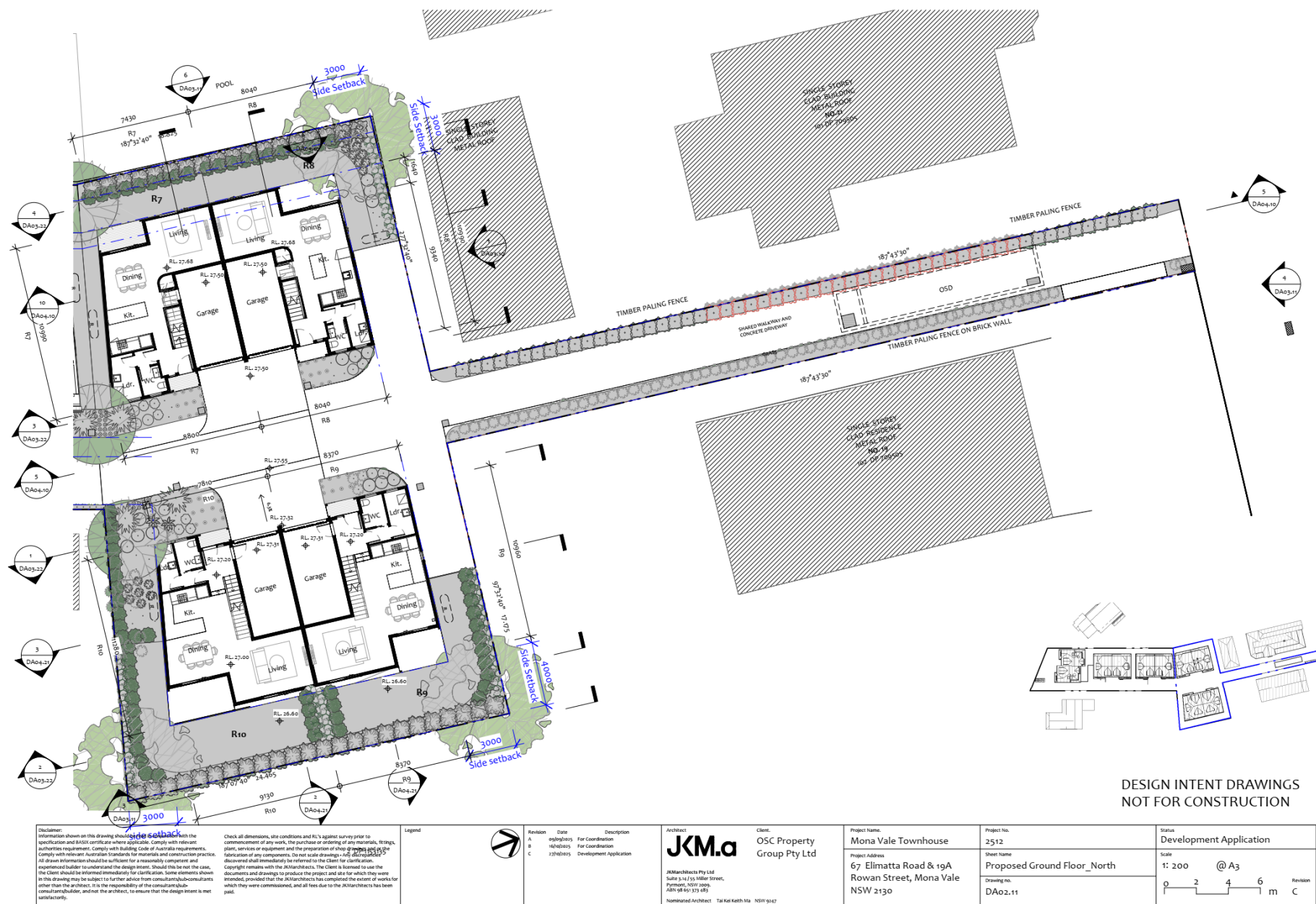
- Townhouse
- Deep Soil
- Landscape
- Carpark (Residential + Visitor)
- Driveway
- Pedestrian walkway (Footpath on permeable pavers within deep soil)



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Revision	Date	Description																		
A	09/08/2025	For Coordination																		
B	10/08/2025	For Coordination																		
C	22/08/2025	Development Application																		



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Check all dimensions, site conditions and RL's against survey prior to commencement of any work. The purchase or ordering of any materials, fittings, plant, services or equipment and the preparation of shop drawings and specifications of any components, shall immediately be referred to the Client for clarification. Copyright remains with the JKMArchitects. The Client is licensed to use the documents and drawings to produce the project and site for which they were intended, provided that the JKMArchitects has completed the extent of work for which they were commissioned, and all fees due to the JKMArchitects have been paid.

Legend



Revision	Date	Description
A	09/08/2025	For Coordination
B	10/08/2025	For Coordination
C	12/08/2025	Development Application

JKM.a
JKMArchitects Pty Ltd
Suite 1.1/15 Miller Street,
Parramatta, NSW 2150
ABN 98 610 373 483
Nominated Architect: Tai Kai Keith Ma NSW 19427

Client:
OSC Property Group Pty Ltd

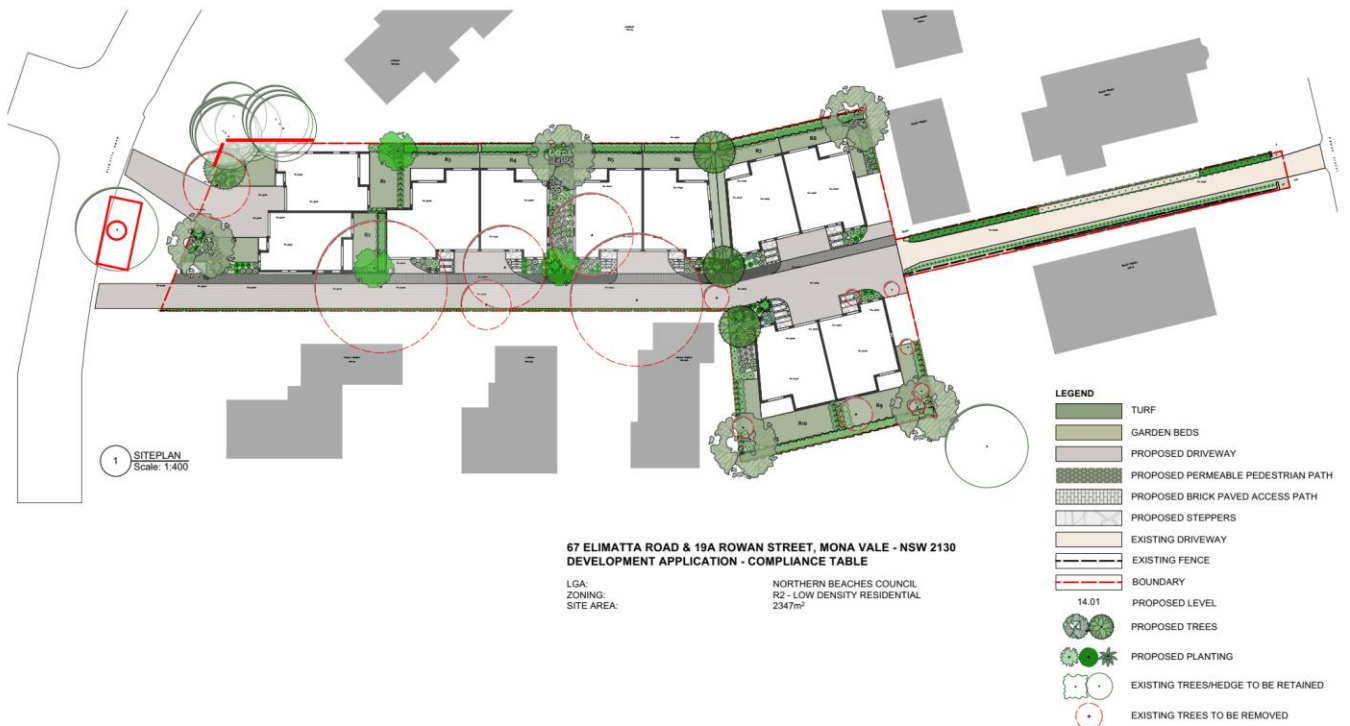
Project Name:
Mona Vale Townhouse
Project Address:
67 Elimatta Road & 19A Rowan Street, Mona Vale NSW 2130

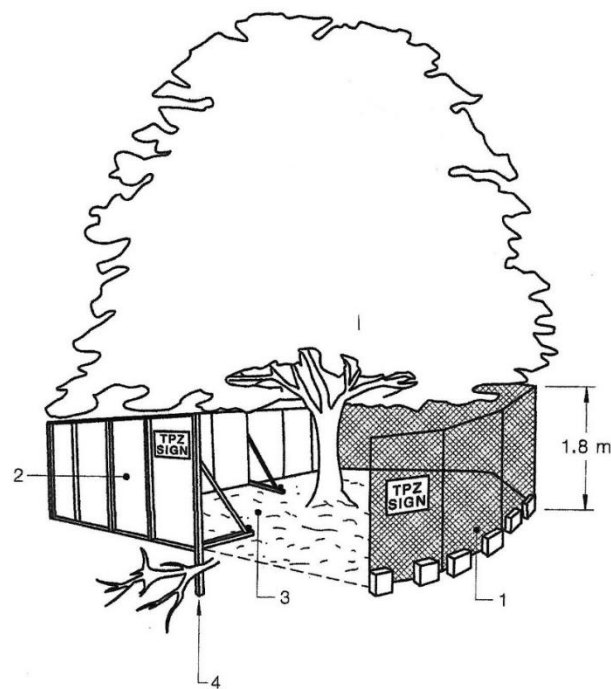
Project No.:
2512
Sheet Name:
Proposed Ground Floor_North
Drawing No.:
DA02.11

Status:
Development Application
Scale:
1: 200 @ A3
0 2 4 6 m
Revision
C

Annexure D: Tree protection details

Tree protection plan by JNW, including temporary fencing & trunk protection on T1

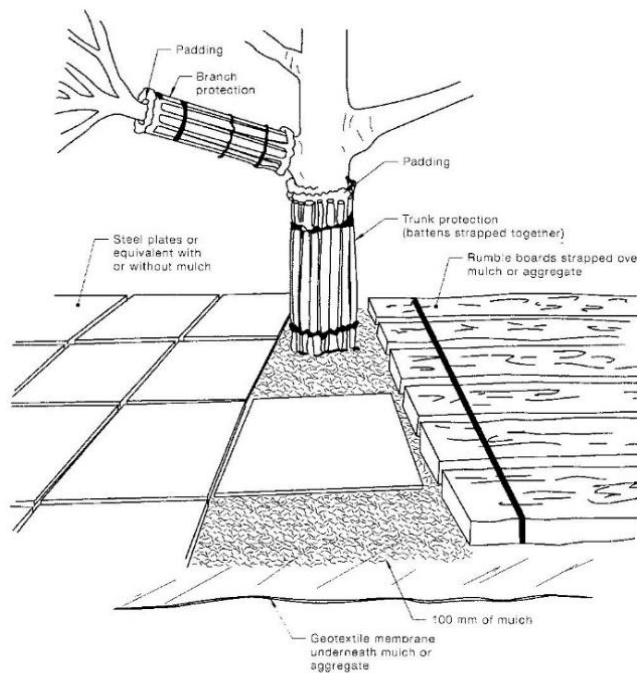




LEGEND:

- 1 Chain wire mesh panels with shade cloth (if required) attached, held in place with concrete feet.
- 2 Alternative plywood or wooden piling fence panels. This fencing material also prevents building materials or soil entering the TPZ.
- 3 Mulch installation across surface of TPZ (at the discretion of the project arborist). No excavation, construction activity, grade changes, surface treatment or storage of materials of any kind is permitted within the TPZ.
- 4 Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots.

FIGURE 3 PROTECTIVE FENCING



NOTES:

- 1 For trunk and branch protection use boards and padding that will prevent damage to bark. Boards are to be strapped to trees, not nailed or screwed.
- 2 Rumble boards should be of a suitable thickness to prevent soil compaction and root damage.

FIGURE 4 EXAMPLES OF TRUNK, BRANCH AND GROUND PROTECTION

