

A photograph of a possum climbing a tree trunk. The possum is grey with a white stripe on its face and is clinging to the rough, textured bark of the tree. The background is a solid blue gradient.

Travers

bushfire & ecology

Tree Assessment

119 Cliff Drive,
Katoomba

February 2018
REF: (A16026T2)



Tree Assessment

**119 Cliff Drive,
Katoomba**

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The mapping is indicative of available space and location of features which may prove critical in assessing the viability of the proposed works. Mapping has been produced on a map base with an inherent level of inaccuracy, the location of all mapped features are to be confirmed by a registered surveyor.

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Executive Summary

This tree assessment report has been prepared by *Travers bushfire &* for the proposed redevelopment of the existing facilities with the Katoomba Christian Convention (KCC) located at 119 Cliff Drive, Katoomba in the Blue Mountains local government area (LGA). The proposed works include the demolition and construction of a new auditorium (church), new bookshop, meeting rooms, reception, dining hall, café and new accommodation buildings). This lot will hereafter be referred to as the 'subject site'.

A safe useful life expectancy (SULE – Barrel 1993) assessment was conducted between the 1st – 8th of December 2010 associated with a now approved development application (Integrated development no; X/541/2010). Additional inspections were undertaken between the 25th–31st of October 2017, and the 22nd and 23rd January 2018 in association with the current proposed redevelopment. This tree assessment report has been prepared in accordance with Australian Standard AS4970 (2009) – *Amendment No. 1 2010*.

The purpose of this information shall be used to document trees to be removed for development approval compliance and to identify the ecological, historical and visual significance of trees to be removed and/or retained as part of the future development of the site. Those trees to be retained within the development should also be of sufficient condition and form to minimise the risk of tree damage to property or persons.

Impact of the proposed development on trees

An assessment of all trees equal or greater than 10cm Diameter at Breast Height (DBH) and located only within the proposed development footprint was undertaken. A total of 1145 trees were assessed within the proposed development footprint and immediate surrounds within the site.

The proposed development results in the removal of 673 trees or 58.78% of the trees observed and assessed within the site. Three hundred and ninety five (395) trees will be removed due to being within the development footprint and APZ. Two hundred and seventy eight (278) trees situated outside the development footprint will be removed based on a poor SULE rating. Therefore, in total, the current proposal will require the removal of 673 (58.78%) trees and the retention of 472 (41.22%) of the trees observed within the site.

The breakdown is as follows:

- Remove trees within or in close proximity to development footprints (regardless of SULE rating) – 395/1145 trees = 34.50%
- Remove trees with an Unsafe or Dangerous SULE rating (4a-f) – 278/1145 trees – 24.28%,
- Retain all other trees wherever possible – 472/1145 = 41.22%

Tree protection zones (TPZ) are to be implemented for any retained tree in accordance with Australian Standard AS4970 (Section 5). This report defines the Structural Root Zone (SRZ), Tree Protection Zone (TPZ) and other protection measures required for trees to be retained also in accordance with Australian Standard AS4970.

This tree assessment has selectively thinned all trees for the bushfire Asset Protection Zone (APZ) purposes based on the condition of the trees. A bushfire compliance statement for the Construction Certificate may require further trees to be removed to be APZ compliant.

For the purposes of the Construction certificate, tree retention plans are recommended to be produced to provide an indication of the degree of canopy vegetation retained for visual

screening purposes. This will highlight any currently retained tree that may require prudent removal

Significant trees

The trees present on site were commensurate with Open Forest, Moist Open Forest and Disturbed land with Scattered Trees and Garden Beds. These vegetation communities are not commensurate with any Endangered Ecological Community (EEC) listed within the NSW *TSC Act* (1995) or the Commonwealth *EPBC Act* (1999).

There are sixteen (16) trees within the study area that are considered visually significant due to factors such as above average girth, height, spread or a combination of two or more of these attributes. The proposed development is expected to require the removal of 4 of these visually significant trees, 1 within an APZ and 3 within or in close proximity to development footprints. The remaining 12 visually significant trees will be retained.

The Blue Mountains City Council Tree Preservation Order, Development Control Plan and Local Environment Plans (1991, 2005) do not list any trees species of conservation significance within the subject site. Trees may however be included into a tree significance register if the specimen displays cultural, historic, scientific and/or aesthetic value. No trees present on site are considered appropriate for nomination to this register.

Fifty-seven (57) hollow-bearing trees were observed within the subject site. Twenty-two (22) of these trees were identified for removal due to their location within APZs or proposed development footprints. If any tree with a hollow is found and identified for removal, then stag-watching prior to removal is required to determine if the hollow is in use. During tree felling operations supervision by a fauna ecologist is required at the time of removal to effectively recover and relocate any residing fauna, particularly threatened species, if present.

List of abbreviations

AS 4970	Protection of trees on a development site
APZ	asset protection zone
BC Act	<i>Biodiversity Conservation Act 2016</i>
BPA	bushfire protection assessment
CRZ	critical root zone
DCP	Development Control Plan
DOEE	Commonwealth Department of Environment & Energy
EEC	endangered ecological community
EPA	Environmental Protection Agency
EP&A Act	<i>Environmental Planning and Assessment Act, 1979</i>
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act, 1999</i>
ESMP	ecological site management plan
FF	flora and fauna assessment
FM Act	<i>Fisheries Management Act</i>
FMP	fuel management plan
ha	hectares
HTA	habitat tree assessment
IPA	inner protection area
LEP	local environment plan
LGA	local government area
m	metres
NES	national environmental significance
NPWS	NSW National Parks and Wildlife Service
NSW DPI	NSW Department of Industry and Investment
OEH	Office of Environment and Heritage (Part of the NSW Department of Premier and Cabinet)
OPA	outer protection area
PBP	<i>Planning for bush fire protection 2006</i>
RF Act	<i>Rural Fires Act</i>
RFS	NSW Rural Fire Service
ROTAP	rare or threatened Australian plants
SEPP 44	<i>State Environmental Protection Policy No 44 – Koala Habitat Protection</i>
SRZ	structural root zone
SULE	safe useful life expectancy
TPO	tree preservation order
TPZ	tree protection zone
TRRP	tree retention and removal plan
TSC Act	<i>Threatened Species Conservation Act 1995</i>

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Attached Schedules

Schedule 1 – Tree Assessment Table
Schedule 2 – Sule Assessment Plan
Schedule 3 – SULE Ratings & Terminology



Background

1

This tree assessment report has been prepared by *Travers bushfire & ecology* to assess the condition and significance of one thousand one hundred and forty five (1145) trees located at 119 Cliff Drive, Katoomba in the Blue Mountains local government area (LGA). This lot will hereafter be referred to as the 'subject site'. The location and extent of the subject site is shown in Figure 1.

This assessment is based on the SULE classification (Barrell, 1993). The purpose of this information shall be used to document the health of trees within the subject site and also to identify the ecological, historical and visual significance of these trees. Those trees to be retained within the development should also be of sufficient condition and form to minimise the risk of tree damage to property or persons.

In determining the removal of trees within the MEZ or bushfire Asset Protection Zones (APZs) a strategy of preferentially removing poorer health trees was used. A strategy to retain taller trees around the auditorium, bookshop buildings and along the boundary of Cliff Drive to assist in visual screening was also used.

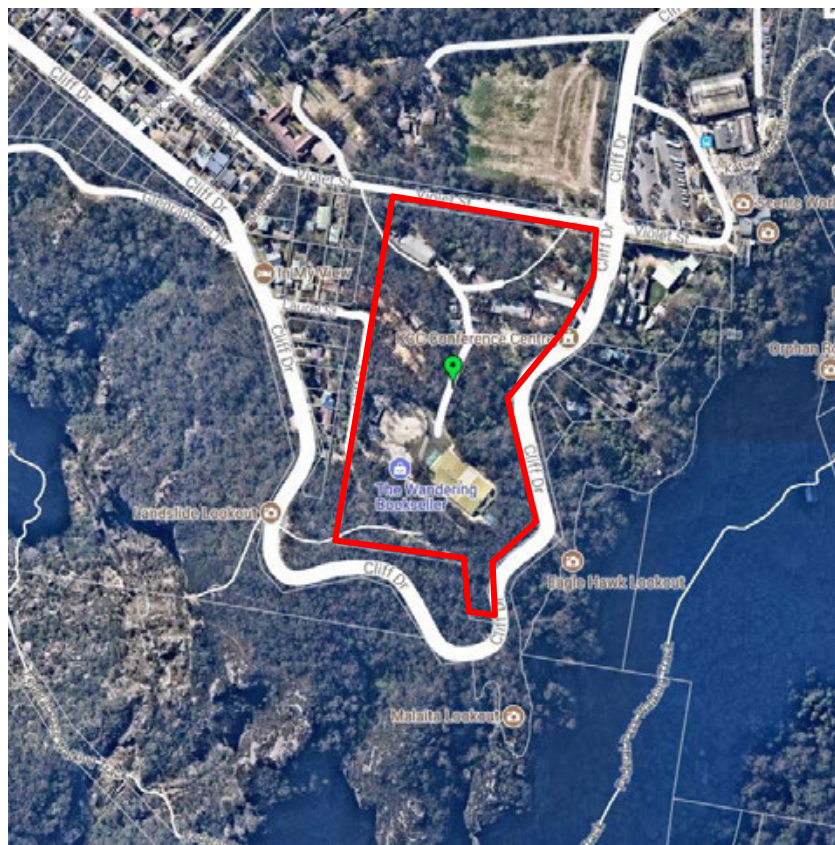


Figure 1 – Subject Site location and extent



Survey Methods

2

2.1 Tree survey and condition assessment

Tree survey and assessment of approximately 80.2% of the (5.492 ha) subject site was carried out within a tree investigation area totalling 4.405 ha of the site between the 1st–8th of December 2010; and between the 25th–31st of October 2017; and on the 22nd and 23rd January 2018. Tree inspections and assessment were undertaken in accordance with Australian Standard AS4970 (2009)-Amendment 1 (2010).

The aim of this tree assessment is to assess the condition and significance of one thousand one hundred and forty five (1145) trees within the area of investigation on the subject site as well as determine tree locations to assist in determining a suitable dwelling footprint.

The following survey and assessments were undertaken:

- an inspection of the site and relevant trees
- aerial photographic interpretation of the study area
- a health assessment (SULE rating) of the trees
- an assessment of the significance of individual trees
- compilation of this report detailing the results of the above assessments

Trees with diameter at breast height (DBH) greater than 10cm were assessed. The tree assessment data is provided within Schedule 1, the location and number of each tree is shown in Schedule 2 and a description of terminology used is provided as Schedule 3.

The management requirements for maintaining safe trees (pruning, thinning etc.) was also considered in determining the health rating, therefore health ratings given to trees within this report assumes that appropriate maintenance will be provided by a qualified arborist during the life of the assessed trees. Incorrect or absent tree maintenance can significantly accelerate tree decline and increase hazard potential.

2.2 Identification of tree species

The identification of tree species is undertaken using available field guides and botanical texts. For any unidentifiable species a qualified and experienced botanist is utilised to confirm the tree identification. In many cases exotic species are identified to family name only. Samples may be sent off to the Royal Botanic Gardens should a potential threatened or rare species be present and where the identification is not clear. Further samples may be required during flowering and fruiting seasons of the tree to confirm the identification.

2.3 Structural faults and decay

Visible evidence of structural defects and evidence of decay is briefly assessed during tree inspections. Structural defects are categorised into (Matheny & Clark 1994):

- root defects – including but not limited to suspect root rot, root exposure, root pruning or restriction
- trunk defects – including but not limited to evidence of decay, structural damage, *Phytophthora* and bracket fungi, excessive lean, borer damage, hollows, cracks, deadwood and multiple attachments
- crown defects - including but not limited to poor taper, bow or sweep, forks, multiple attachments, excessive end weight, cracks, splits, hangers, girdling, wounds, decay, cavities, conks, mushroom or bracket fungi, bleeding/sap flow, hollows, deadwood, borers, termites, ants, cankers, balls, burls and previous failures

Visible evidence of structural defects or decay are noted during inspections however we advise that the individual trees require detailed assessment if they are located or are to be retained in close proximity to buildings or proposed works.

Overall tree health is an indicator of the life of the tree but structural defects or decay can cause immediate structural failure when a tree is stressed due to high winds or other activities.

Structural defects or decay are not always visible from the exterior and may only become evident after damage has been caused. In the event that structural faults are detected, such as caused by hollows, the internal diagnostic testing of the trees structural integrity is recommended.

Internal Diagnostic Testing (IDT) can be undertaken by Resistograph® to determine *the trees* structural integrity by measuring the extent and positioning of internal decay at the defects detected.

Travers bushfire & ecology advises that a project arborist is to be engaged to oversee works within the nominated tree protection zones and to define any further protective measures for the trunk and root zone.



Survey results

3

A total of one thousand one hundred and forty five (1145) trees with a DBH greater than 10cm were assessed within the investigation area of the subject site (see Schedule 1). The investigation area did not include every tree on the subject site as there are substantial quantities of trees within the OPA that are not requiring removal for APZ or Building site works. Trees that were assessed were numbered T0001, T0002, T0003, etc., through to T1145. A metal tag was placed on the trunk of each assessed tree for re-identification during future works.

3.1 Threatened species or endangered ecological communities (EECs)

The trees present on site were commensurate with Open Forest, Moist Open Forest and Disturbed land with Scattered Trees and Garden Beds. Some exotic trees were present including Slash Pine (*Pinus elliotti*), Japanese Maple (*Acer palmatum*) and Pencil Pine (*Cupressus* sp.). All remaining trees surveyed within the study area were locally-occurring native species. No threatened flora or populations were observed on site but there was potential habitat for threatened flora species such as *Leionema lachnaeoides*, *Persoonia acerosa*, *Pultenaea glabra*, *Acacia baueri* subsp. *aspera*, *Acacia bynoeana*, *Lepidosperma evansianum* and *Pherosphaera fitzgeraldii*.

The vegetation communities present within the study area are not commensurate with any Endangered Ecological Community (EEC) listed within the NSW *TSC Act* (1995) or the Commonwealth *EPBC Act* (1999). The site, however, does fall into environmental or scenic protection zones under the Blue Mountains LEP.

3.2 Council's significant tree register

The Blue Mountains City Council Tree Preservation Order, Development Control Plan and Local Environment Plans (1991, 2005, 2015) do not list any trees species of conservation significance within the subject site.

No trees present on site are considered appropriate for nomination to the Council's Significant Tree Register.

3.3 Visually significant trees

There are sixteen (16) trees within the study area that are considered visually significant due to factors such as above average girth, height, spread or a combination of two or more of these attributes. The proposed development is expected to require the removal of 4 of these visually significant trees, 1 within an APZ and 3 within or in close proximity to development footprints. The remaining 12 visually significant trees will be retained.

3.4 Hollow-bearing trees

One hundred and ten (110) trees were found to contain a variety of small cracks or splits. These trees were of a suitable structure and quality to provide potential roosting habitat for a variety of small fauna species such as insects, small reptiles and in some cases microchiropteran bats.

A separate survey was undertaken for significant or larger tree hollows suitable for larger fauna such as various birds, owls, gliders and possums, in particular the Eastern Pygmy Possum. Fifty-seven (57) hollow-bearing trees containing larger hollows were recorded within the study area. Of these 22 are being removed because of the proposed development and creation of the required Bushfire Asset Protection Zones (APZs). These 22 trees to be removed should be subject to stag-watch survey to identify presence or absence of hollow dependent fauna prior to felling of these trees.

If any hollow-bearing tree is identified for removal, it will require a stag-watch survey to determine if the hollows are in use prior to felling. During tree felling, supervision by a suitably accredited fauna ecologist at the time of felling is required to effectively recover any residing fauna, particularly threatened species if present. Felling of hollow-bearing trees must follow best practice guidelines to ensure the best ethical treatment of resident fauna.

3.5 SULE rating

An assessment of the attributes and health of each tree is contained in Schedule 1. Where trees have been downgraded with respect to health, a comment as to the reasons for the downgrade is generally provided.

A summary of SULE results is provided in the following table:

Table 1 - Summary of SULE ratings

SULE rating	No. of trees assessed	Proportion of trees assessed
1a	87	7.60%
1b	5	0.44%
1c	1	0.09%
2a	291	25.41%
2b	32	2.79%
2c	114	9.96%
2d	41	3.58%
3a	68	5.94%
3b	81	7.07%
3c	138	12.05%
3d	9	0.79%
4a	144	12.58%
4b	4	0.35%
4c	119	10.39%
4d	6	0.52%
4e	4	0.35%
4f	1	0.09%
Total	1145	100%

In general the condition of trees on the site was moderate. 571 of the observed trees (50%) had a SULE condition rating of 2 or above. There were, however, a number of trees that had been pruned heavily or showed significant canopy suppression or dieback.

There were also many trees with significant structural weaknesses or that showed very heavy dieback or death. These trees subsequently received a SULE rating of 4 as indicated in Schedule 1 are in poor condition and should be removed.

Effects from insect, fungal or pathogen attack, changes in local hydrology or the prevailing drought may influence tree health and condition. Borers were observed within some living trees located within the north-eastern portion of the study area.

Many trees in high traffic areas on the upper eastern parts of the site were showing significant signs of dieback or poor health which can be rectified by establishing protection zones covering the structural root zone using mulch and eucalypt leaf litter

There are a number of smaller trees that have been impacted by suppression from other nearby trees resulting in stunting, narrowing, tilting and even dieback of canopies and foliage. Various other defects related to poor health were observed for different trees. Where a tree has been given a lower SULE rating, comments are generally provided in Schedule 1 giving reasons for the lower rating.

Trees of lower health or vigour have mostly been given a SULE of 2b or 3b as they tend to have a moderate to large amount of deadwood which indicates a decline in health and potential safety concerns now or in the near future, despite the potential for them to remain alive for another five (5) years or more.

Trees of a suppressed nature with limited or minor defects are likely to be retainable. However, those that are heavily suppressed or have some defect due to over-competition have largely been rated as a 2c or 3c which indicates the tree may be removed due to competition to allow those healthier trees beside or underneath to remain healthy, although, if the trees are a sufficient distance from future infrastructure, they should be retained with a further assessment carried out within two (2) years.

Overall, a total of 394 trees with a SULE rating of 2b, 3b, or 4a-f were observed within the site these poor health trees represent 34.1% of all trees within the site.



Tree Removal & Impacts

4

4.1 Removal of trees due to proposed development

The proposed works include the demolition and construction of a new auditorium (church), new bookshop, meeting rooms, reception, dining hall, café and new accommodation buildings. Three hundred and ninety five (395) trees within the subject site (34.50%) will require removal for the future development as they are located within or in close proximity to the development footprint or the required bushfire Asset Protection Zones (APZs). These trees require removal regardless of their SULE rating.

4.2 Removal of trees due to condition

In assessing the removal of trees for a proposed development, trees assessed with a SULE rating of 3b, 3d or 4a – 4f are generally recommended for removal based on a short life expectancy, are dangerous or in a very poor condition. This is particularly the case with trees in close proximity to adjoining buildings or in areas where the public has access.

It must be noted that a higher than average proportion of the trees within the site were found to be unsafe or in poor health. These trees are recommended for removal for safety reasons as they pose a risk to life and property.

A strategy to retain taller trees around the auditorium, bookshop buildings and along the boundary of Cliff Drive to assist in visual screening was also used.

The following table is a summary of trees proposed for removal:

Table 4.1 – Trees to be removed

Trees within the development footprint / Asset Protection Zone	395	34.50%
Trees outside development with a very poor SULE 4a to 4f - Unsafe	278	24.28
Trees retained within the site investigation area	472	41.22%
Total	1145	100%

4.3 Impact assessment

In determining which trees are to be removed, *Travers bushfire and ecology* recommend trees for removal in the following order of criteria:-

- Remove trees within or in close proximity to development footprints (regardless of SULE rating) – 395/1145 trees = 34.50%
- Remove trees with an Unsafe or Dangerous SULE rating (4a-f) – 278/1145 trees – 24.28%,
- Retain all other trees wherever possible – 472/1145 = 41.22%

Based on the above approach, the proposed development and removal of unsafe or dangerous trees results in the removal of 673 trees or 58.78% of the trees estimated to occur within the subject site investigation area.

The Blue Mountains City Council Tree Preservation Order, Development Control Plan and Local Environment Plans (1991, 2005, 2015) do not list any tree species of conservation significance within the subject site. Trees may however be included into a tree significance register if the specimen displays cultural, historic, scientific and /or aesthetic value. No trees present on site are considered appropriate for nomination to this register.

Fifty-seven (57) hollow-bearing trees were observed within the subject site. Twenty-two (22) of these trees were identified for removal due to their location within APZs or proposed development footprints. If any tree with a hollow is found and identified for removal, then stag-watching prior to removal is required to determine if the hollow is in use. During tree felling operations supervision by a fauna ecologist is required at the time of removal to effectively recover and relocate any residing fauna, particularly threatened species, if present.

For all trees that are to be retained, it is recommended that Tree Protection Zones (TPZ) are to be implemented for any retained tree in accordance with Australian Standard *AS4970* (section 5.1). TPZ's are shown on the Tree Retention and Removal Plans

If less than 10% of the TPZ for any tree is impacted by development, then these trees shall have the TPZ expanded to 1.1 times the calculated TPZ as compensation. This fulfils the requirement for the compensatory expansion of the TPZ as required in *AS4970-2009-Amendment 1-2010*. These trees can therefore be retained in situ with no significant impact expected.



Tree Protection Guidelines

5

The following sections provide guidance as to the expected TPZs required for trees to be retained within the development site (either in the staged or ultimate development scenario), or affected by associated works. TPZs consist of:

- (a) Tree protection zone (TPZ) which aims to protect the full extent of the tree, and
- (b) Structural root zone (SRZ) which aims to define the critical root zone (CRZ) for the tree without causing fatal damage to the tree.

5.1 Tree protection measures

The following is applied in accordance with Australian Standard AS4970 – 2009 – Amendment 1-2010.

The tree protection zone (TPZ) is calculated as $DBH \times 12$. For instance, if a tree has a DBH of 50cm, the TPZ would be 6m and a tree of DBH 30cm would have a TPZ of 3.6m.

The TPZ should not be less than 2m radius or greater than 15m radius. For plants such as Palms, Cycads and Tree Ferns, the TPZ should not be less than 1m outside of the crown projection. For trees that are impacted by the development of no more than 10% of the TPZ, the TPZ is to be compensated elsewhere for the equivalent area of loss of potential root zone e.g. a 10% increase in the TPZ radius where the tree is not impacted by the proposed development.

The structural root zone (SRZ) is the area which is required to maintain a tree's stability. The SRZ is measured as:

$SRZ \text{ radius} = (D \times 50)^{0.42} \times 0.64$ where D is the basal trunk diameter, in metres, measured above the root buttress. The SRZ for trees with D of less than 0.15m (15cm) will be 1.5m. As an example - if D is 50cm, then the SRZ would be 2.47m.

During the survey, DBH and basal trunk diameters were measured for each tree to allow for TPZ and SRZ to be calculated.

Table 2 – Estimated TPZ for trees

DBH (cm)	TPZ radius (m)
15	2.0
20	2.4
25	3
30	3.6
35	4.2
40	4.8
45	5.4

Table 2 – Estimated TPZ for trees

DBH (cm)	TPZ radius (m)
50	6
55	6.6
60	7.2
65	7.8
70	8.4
75	9
80	9.6
85	10.2
90	10.8
95	11.4
100	12
105	12.6
110	13.2
115	13.8
120	14.4
150	18
200	24
250	30

Table 3 – Estimated SRZ for trees

D (cm)	SRZ radius (m)
15	1.49
20	1.68
25	1.85
30	2
35	2.13
40	2.25
45	2.37
50	2.47
55	2.57
60	2.67
65	2.76
70	2.85
75	2.93
80	3.01
85	3.09
90	3.17
95	3.24
100	3.31
105	3.38
110	3.44
115	3.51
120	3.57
150	3.92
200	4.43
250	4.86
300	5.25

The SRZ and TPZ calculated for each of the trees assessed within the subject site are provided in Schedule 1.

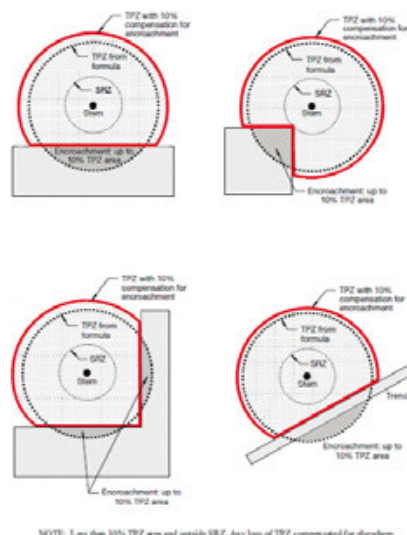
When working in close proximity of any tree to be retained or the nominated TPZ located within or adjacent to potential development areas, the following general management principles should be adopted:

- earthworks around subject trees are to be undertaken in the presence of a qualified ecologist / arborist who may provide additional on-site advice
- machine digging within the root mass or SRZ of the subject tree (or trees) is to be minimised and, where possible, replaced by hand digging
- any exposed roots of the subject tree should be wrapped and protected during exposure and be replaced in a similar position prior to disturbance
- inspection of retained trees by a project arborist is recommended to be conducted at 3, 6, 9 and 12 months and then annually to 3 years after development completion.

Any retained tree on site will require protection both during and after development construction, applying the following tree protection guidelines:

The following protection measures are required in relation to any trees that are being retained within or adjacent to the proposed works area:

- Installation of a TPZ will be required surrounding any retained tree. This TPZ can generally be provided by preserving an area equivalent to that shown in Schedule 1. A SRZ will apply to all retained trees in close proximity to work areas. No more than 10% of the TPZ should be impacted by earthworks with no infiltration into the SRZ. The TPZ is to be compensated elsewhere on the impacted tree to compensate for the loss of small areas of the TPZ. This is achieved by increasing the TPZ to an equivalent area to the area of impacted TPZ (Figure 2).



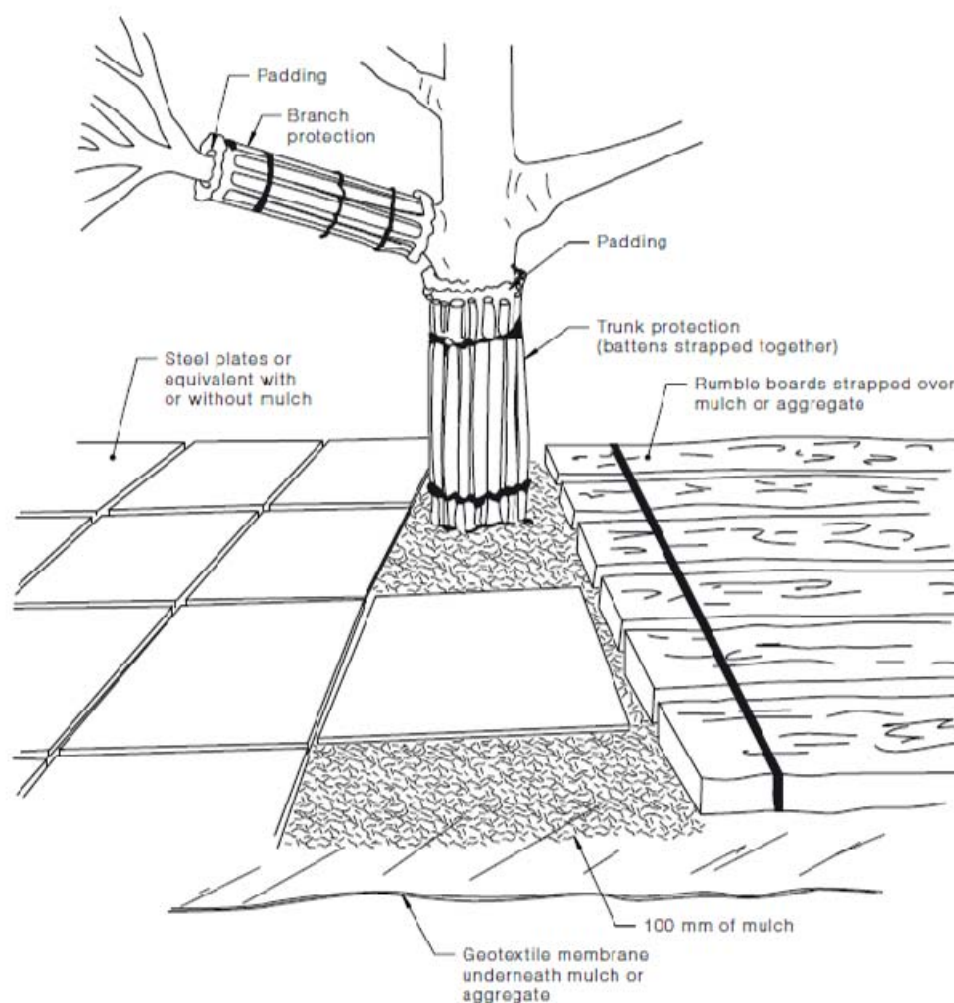
**Figure 2 Minor encroachment on TPZ and 10% compensation for encroachment
(Source AS 4970-2009)**

- Trees to be retained, and in close proximity to any works, are to be protected by temporary protection fencing erected on the TPZ line. Such fencing can be constructed

from temporary materials such as high visibility plastic fencing, post and wire, chain link fencing panels, or from permanent fencing such as post and wire or chain link fences. All fence posts and supports are to be located clear of the roots and have sufficient strength to support the fence without bending or collapsing. TPZs in close proximity to proposed works are to be marked and sign-posted. The protection fencing is not to be removed or altered without the approval of an appointed arborist. TPZ fencing is to be inspected on a regular basis and maintained in good condition.

- iii. All trees nominated for removal are to be removed prior to any construction activity or bulk earthworks. Approved tree removal operations in the vicinity of retained trees are to be undertaken in a manner that avoids canopy or root damage and/or soil compaction to any TPZ associated with any retained tree. Such works should be supervised by a qualified arborist.
- iv. Stumps are to be ground not dozed or dug out unless they impact on the installation of services, roads or building works.
- v. All excavation including but not limited to trenches, footings and major earth movement are to be avoided within TPZ's.
- vi. All machinery and vehicles are to be excluded from TPZs during all operations.
- vii. Where the proposed works are likely to cause excessive dust generation, the Tree is to be protected with shade cloth on the tree protection fence to minimise dust collection on the leaves.
- viii. Prohibit the following activities including but not limited to:-
 - machine excavation (including trenching)
 - excavation for silt fencing
 - cultivation
 - Storage
 - preparation of chemicals, including cement products
 - parking of vehicles or plant
 - refuelling
 - dumping of waste
 - refuelling
 - wash down or cleaning of equipment
 - placement of fill
 - lighting of fires
 - soil level changes
 - temporary or permanent installation of signs
 - physical damage to trees.
- ix. Any works undertaken within TPZs are to be supervised and certified (photographed and documented) by a qualified arborist.
- x. Where advised by the arborist, trunk and branch protection (Figure 3) is to be installed to a minimum height of 2 m using materials and positioning as advised by an appointed arborist.
- xi. Where advised by the arborist, other temporary root protection measures (Figure 3) such as thick mulch (50-100mm deep) or crushed rock below rumble boards, are to be installed to prevent root damage and soil compaction within the TPZ.

- xii. Scaffolding is to be erected outside of the TPZ, where unavoidable protection measures are to be specified by the appointed arborist.
- xiii. All services are to be routed outside of the TPZ. Where not possible the arborist will specify directional drilling (at least 600mm deep) or manual excavation to avoid impacted on the insitu roots subject to the works and potential root damage.
- xiv. Pruning if required is to be undertaken by an arborist in accordance with AS4373 to prevent structural damage, disease and poor form.



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 3 Examples of trunk, branch and ground protection as per AS4970- 2009

5.2 Tree protection fencing

Fencing should be erected before any machinery or materials are brought onto the site and before the commencement of works (including demolition). Once erected, protective fencing must not be removed or altered without approval by the project arborist. The TPZ is to be fully secured to restrict access onto the protected root zone.

AS 4687 specifies applicable fencing requirements. Installed construction fencing on the recommended alignment of the TPZ fencing can be installed as part of the protective fencing.

For construction crews, signage identifying the TPZ shall be placed at 10 metre intervals along the TPZ fencing. These signs will face towards the development site and shall have lettering that complies with AS 1319.

TPZ fencing is to be inspected on a regular basis and maintained in good condition. It is recommended that the TPZ fencing be installed as shown in Figure 4. Any works within the mapped tree protection zones is to be supervised (for excavation works) or under the direction of an AQ5 qualified arborist to limit damage to root zones and to install additional root, trunk and branch protection measures.



Conclusions & Recommendations

6

6.1 Conclusions

An assessment of all nominated trees within the investigation area that were equal or greater than 10cm Diameter at Breast Height (DBH) was undertaken. 1145 trees were assessed within the site investigation area as shown on Figure 1. The proposed development will result in the removal of 673 trees or 58.78% of the trees observed and assessed within the site investigation area. Three hundred and ninety five (395) trees will be removed due to being within the development footprint or APZ. Two hundred and seventy-eight (278) trees situated outside the development footprint will be removed based on a poor SULE rating. Therefore, in total, the current proposal will require the removal of 673 (58.78%) trees and the retention of 472 (41.22%) of the trees observed within the site investigation area.

It is noted that the SULE assessment identifies that 571 of the observed trees (50%) had a SULE condition rating of 2 or above. This indicates that the overall health of the trees onsite is moderate.

For any trees that are to be retained, it is recommended that Tree Protection Zones (TPZ) are to be implemented for any retained tree in accordance with Australian Standard AS4970 (Section 5.1).

6.2 Recommended tree management

To minimise impacts on local ecology and to maintain a stand of healthy trees, during tree removal operations the following recommendations apply:

- Aim to retain any hollow bearing trees of good condition throughout the landscape,
- Preferentially remove dangerous or very poor condition trees,
- Site manager is to ensure the implementation of tree protection measures as required by AS4970-2009,
- Engage an arborist to advise or undertake any tree management works, supervise excavation works within the TPZ and specify addition branch, trunk and root protection measures,
- Consider the placement of services away from root zones to minimise impacts to trees,
- Boring of services a minimum of 600mm below ground surface where they cross a mapped tree protection zone,
- Where appropriate, retain and create clumps of good quality trees for future public or private use,
- Plant and mulch the root zones of existing trees to minimise the risk of soil compaction and root damage,
- Remove suppressed or poor condition trees to reduce fuel loads or for creating discontinuous canopies in asset protection zones,
- Favour removal of trees with poor SULE ratings over healthier trees, and

- Actively replant endemic (locally occurring native) trees within the lot, street scape and any open space areas to maximise local amenity within the development.

6.3 Inspections and certifications

A project arborist is to be appointed to provide direction & advice on the protection and ongoing management of the insitu trees (during construction), supervision of tree removal, installation of tree protection measures, to treat or manage any inadvertent damage to trees and to provide final certification of compliance.

The project arborist is to assess the condition of the trees and their growing environment, make recommendations for any necessary remedial actions.

Following the final inspection and compliance with any remediation works, the project arborist is to certify (as appropriate) that the completed works have been carried out in compliance with the approved plans and specifications for tree protection. Certification is to include a testament on the condition of retained trees, detail any deviations from the approved tree protection measures and their impacts on trees.

The project arborist is to maintain records of any site visits including photos of trees in close proximity to the proposed works to be used for certification purposes.

6.4 Tree pruning and remedial actions

Remedial actions are to be recommended by the project arborist in the event that damage is caused to trees or if site management is potentially causing a deterioration in tree health. This may include pruning of trees in accordance with AS4373 and or soil remediation.

Remedial actions may include but is not limited to:

- Protection measures over the root zone and remediation of any contaminants in the soil within the tree protection zone.
- Mulching and planting around the base of the tree to remediate potential root compaction
- Installation of protective platform above the ground surface to allow free root expansion and to prevent soil compaction from constant passage or use of the area
- Replanting of trees within the site due to damage or actions that have caused the loss.
- Replacement of dead or dying trees of the same species and in a location that will ensure long term good health.

Bibliography

- Barrell, J. (1993) *Pre-planning Tree Surveys: Safe Useful Life Expectancy (SULE) is the Natural Progression*. Arboricultural Journal Vol. 17, pp 33-46, AB Academic Publishers, Great Britain
- Boland, D. J., Brooker, M. I. H., Chippendale, G. G., Hall, N., Hyland, B. P. M., Johnston, R. D., Kleinig, D. A., Turner, J. D. (1992) *Forest Trees of Australia*. CSIRO, Melbourne
- British Standard BS5837 (1991) *Guide for Trees in Relation to Construction*, BSi Standards
- Brooker, M. I. H. and Kleinig, D. A. (1999) *Field Guide to Eucalyptus - South-eastern Australia*. Volume 1, Second Edition, Bloomings Books
- Florence, R. G. (1996) *Ecology and Silviculture of Eucalypt Forests*. CSIRO, Collingwood Victoria
- Hadlington, P. W. and Johnston, J. A. (1977) *Australian Trees, a Guide to Their Care and Cure*. Printed in Hong Kong by South China Printing Company
- Harden, G. (1993) *Flora of New South Wales* University NSW Press
- Queensland Arboricultural Association Inc (website)
<http://www.qaa.net.au/calculations.php?>
- Mattheck, C. and Breloer, H (1998) *The Body Language of Trees - A Handbook for Failure Analysis*. HMSO, London.
- Rinn, F. (2011) *Basic Aspects of Mechanical Stability of Tree Cross-Sections*. Arborist News, Feb 2011, pp. 52-54.
- Simpfendorfer, K. J. (1992) *An Introduction to Trees for South-eastern Australia*. Inkata Press
- Threatened Species Conservation Act (TSC Act) (1995) *Schedules 1, 2 and 3*. NSW Scientific Committee

Schedule 1

Tree Assessment Table

119 Cliff Drive, Katoomba

Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0001	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	25,15,15,5	33	40	7	7	75	2b	3.98	2.25	Remove	Development			
T0002	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	15	15	18	5	5	30	3b	1.8	1.6	Retain	<Null>			
T0003	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	6	4	45	3c	2.4	1.8	Retain	<Null>			
T0004	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	36	10	10	70	3b	3.6	2.2	Retain	<Null>			leaning over building
T0005	Brittle Gum	<i>Eucalyptus mannifera</i>	12	12	14	9	2	80	1b	1.4	1.5	Retain	<Null>			
T0006	Sydney Peppermint	<i>Eucalyptus piperita</i>	45,45	64	76	14	11	70	2b	7.6	3.0	Retain	<Null>			deadwood hanging over building, supressed
T0007	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	18	8	10	40	2b	1.8	1.6	Retain	<Null>			bending heavy lean over roof, supressed
T0008	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	18	8	9	45	2b	1.8	1.6	Remove	Development			heavy lean towards building
T0009	Sydney Peppermint	<i>Eucalyptus piperita</i>	12	12	14	7	7	45	2b	1.4	1.5	Remove	Development			heavy lean towards building, supressed
T0010	Sydney Peppermint	<i>Eucalyptus piperita</i>	12	12	14	4	5	30	3b	1.4	1.5	Retain	<Null>			heavy lean towards building, heavily supressed
T0011	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	8	12	40	3b	2.4	1.8	Retain	<Null>			very heavy lean over building, heavily supressed
T0012	Silvertop Ash	<i>Eucalyptus sieberi</i>	15	15	18	11	12	50	3b	1.8	1.6	Retain	<Null>			bending lean over end of build, heavily supressed
T0013	Silvertop Ash	<i>Eucalyptus sieberi</i>	15	15	18	7	7	30	3b	1.8	1.6	Retain	<Null>			lean, supressed, small deadwood
T0014	Sydney Peppermint	<i>Eucalyptus piperita</i>	50	50	60	14	7	5	4a	6.0	2.7	Remove	Dangerous tree			dying, remove so surrounding Pittosporum can grow
T0015	Sydney Peppermint	<i>Eucalyptus piperita</i>	15,45	47	57	17	16	50	2a	5.7	2.6	Retain	<Null>			lean away from building
T0016	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,30	42	51	15	10	45	2c	5.1	2.5	Remove	APZ			
T0017	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	30	30	36	18	7	5	4a	3.6	2.2	Remove	Dangerous tree			dying
T0018	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	15	15	18	8	6	75	2a	1.8	1.6	Remove	APZ			broken trunk
T0019	Sydney Peppermint	<i>Eucalyptus piperita</i>	55	55	66	18	10	80	1b	6.6	2.8	Remove	Development			may have a small hollow
T0020	Sydney Peppermint	<i>Eucalyptus piperita</i>	65	65	78	17	10	60	2a	7.8	3.0	Remove	APZ			
T0021	Sydney Peppermint	<i>Eucalyptus piperita</i>	40,40	57	68	19	18	65	2c	6.8	2.8	Remove	APZ			
T0022	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	42	16	8	70	2c	4.2	2.3	Remove	Development			
T0023	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	8	3	30	4a	2.4	1.8	Remove	Dangerous tree			highly supressed by 21 & 22. broken crown
T0024	Sydney Peppermint	<i>Eucalyptus piperita</i>	10,5,7,15	20	24	13	7	55	2b	2.4	1.8	Remove	Development			dying branch hanging over building
T0025	Silvertop Ash	<i>Eucalyptus sieberi</i>	70	70	84	23	17	80	1a	8.4	3.1	Remove	APZ	V1		slight lean away from building, not likely to fall south
T0026	Old Man Banksia	<i>Banksia serrata</i>	30	30	36	7	10	35	3a	3.6	2.2	Retain	<Null>			
T0027	Stag	Stag	30,15,25	42	50	17	9	0	4a	5.0	2.5	Remove	Dangerous tree			
T0028	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	25	25	30	9	4	60	2a	3.0	2.0	Remove	Development			will become supressed above
T0029	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	12	10	55	2c	3.6	2.2	Remove	Development			bent supressed canopy by 25
T0030	Rough Tree-fern	<i>Cyathea australis</i>	25	25	30	3	3	75	2a	3.0	2.0	Remove	Development			
T0031	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	30	30	36	13	7	80	2a	3.6	2.2	Remove	Development			small lean NE away from building
T0032	Pencil Pine	<i>Cupressus sp.</i>	15,10,10,5	21	25	11	2	85	2a	2.5	1.9	Remove	APZ			
T0033	Pencil Pine	<i>Cupressus sp.</i>	5,5,5,10,15	13	16	11	2	85	2a	1.6	1.5	Remove	APZ			
T0034	Pencil Pine	<i>Cupressus sp.</i>	5,5,5,5,20	10	12	11	2	85	2a	1.2	1.4	Remove	APZ			

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0035	Pencil Pine	<i>Cupressus sp.</i>	15	15	18	11	2	85	2a	1.8	1.6	Remove	APZ			
T0036	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	16	6	85	1a	3.0	2.0	Retain	<Null>			
T0037	Silvertop Ash	<i>Eucalyptus sieberi</i>	60	60	72	22	12	75	2a	7.2	2.9	Retain	<Null>			lean to east otherwise very good cond
T0038	Sydney Peppermint	<i>Eucalyptus piperita</i>	80,50	94	113	12	11	65	2b	11.3	3.5	Remove	Development			broken crown, 1,2 branches over building
T0039	Sydney Peppermint	<i>Eucalyptus piperita</i>	40,15	43	51	9	7	70	2a	5.1	2.5	Remove	APZ			1,2 over building, surrounded by concrete path, managed branches
T0040	Rough Tree-fern	<i>Cyathea australis</i>	30	30	36	6	3	60	3b	3.6	2.2	Remove	Development			1,2 over building
T0041	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	48	18	15	60	2c	4.8	2.4	Remove	APZ			leaning NE
T0042	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	42	16	7	65	2a	4.2	2.3	Remove	APZ			may become unsafe from removal of 43
T0043	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,40	47	57	13	7	45	3d	5.7	2.6	Remove	APZ			may contain a small hollow
T0044	Sydney Peppermint	<i>Eucalyptus piperita</i>	55	55	66	24	7	70	2a	6.6	2.8	Retain	<Null>			small lean, small deadwood
T0045	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	16	6	55	2a	3.0	2.0	Retain	<Null>			lean, supressed above, removal will make 44 unsound
T0046	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	13	4	55	2c	3.0	2.0	Retain	<Null>			lean
T0047	Sydney Peppermint	<i>Eucalyptus piperita</i>	55	55	66	23	7	55	3a	6.6	2.8	Retain	<Null>			deadwood, no lower foliage
T0048	Old Man Banksia	<i>Banksia serrata</i>	20	20	24	7	4	75	1a	2.4	1.8	Retain	<Null>			
T0049	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	17	12	70	2b	3.6	2.2	Remove	Development			main branches bend back over building
T0050	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	50	50	60	20	12	75	1a	6.0	2.7	Retain	<Null>			small lean
T0051	Old Man Banksia	<i>Banksia serrata</i>	20	20	24	6	5	75	1a	2.4	1.8	Retain	<Null>			supressed above, small lean
T0052	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,65	72	86	18	12	60	2a	8.6	3.1	Retain	<Null>			deadwood with hollows
T0053	Sydney Peppermint	<i>Eucalyptus piperita</i>	76	76	91	22	18	65	2d	9.1	3.2	Retain	<Null>	V2		branches overhang buildings, small deadwood
T0054	Sydney Peppermint	<i>Eucalyptus piperita</i>	55	55	66	26	18	75	2b	6.6	2.8	Remove	Development	V2		tree has good form but is large & overhangs building, small deadwood
T0055	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	42	19	13	70	2c	4.2	2.3	Remove	APZ			shares canopy area with 54, over buildings
T0056	Sydney Peppermint	<i>Eucalyptus piperita</i>	60	60	72	18	17	50	3b	7.2	2.9	Remove	Development			over powerline & building, lean then canopy bend, epicormic growth, small deadwood
T0057	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	48	19	11	55	2b	4.8	2.4	Remove	Development			branch over building & powerline, lean starts lower trunk
T0058	Old Man Banksia	<i>Banksia serrata</i>	30,25,20	44	53	6	7	70	3a	5.3	2.5	Remove	APZ			
T0059	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,8	26	31	8	7	55	2c	3.1	2.0	Remove	APZ			lean, supressed canopy
T0060	Sydney Peppermint	<i>Eucalyptus piperita</i>	45	45	54	18	9	70	2a	5.4	2.6	Remove	APZ			lower dead epicormic grth
T0061	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	25	25	30	15	6	70	1b	3.0	2.0	Remove	APZ			supressed canopy from 60 & 63
T0062	Old Man Banksia	<i>Banksia serrata</i>	20,25	32	38	4	6	70	2a	3.8	2.2	Remove	APZ			
T0063	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	9	6	55	2a	2.4	1.8	Remove	APZ			
T0064	Sydney Peppermint	<i>Eucalyptus piperita</i>	50,50,55,60	108	129	19	16	70	2d	12.9	3.7	Retain	<Null>			1 trunk has potential to split & fall on edge of building, deadwood
T0065	Sydney Peppermint	<i>Eucalyptus piperita</i>	20,8	22	26	10	6	70	2c	2.6	1.9	Retain	<Null>			canopy supressed above by 64
T0066	Blue Mountains Ash	<i>Eucalyptus oreades</i>	35	35	42	19	7	90	1a	4.2	2.3	Retain	<Null>			
T0067	Blue Mountains Ash	<i>Eucalyptus oreades</i>	13	13	16	15	5	75	2c	1.6	1.5	Remove	Development			
T0068	Blue Mountains	<i>Eucalyptus oreades</i>	10	10	12	6	5	60	3b	1.2	1.4	Remove	Development			canopy bend supressed by 69

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
	Ash															
T0069	Sydney Peppermint	<i>Eucalyptus piperita</i>	90	90	108	23	21	65	2d	10.8	3.4	Retain	<Null>	V1		large branch overhangs building, scar upslope on trunk base, deadwood
T0070	Slash Pine	<i>Pinus elliotii</i>	40	40	48	20	7	70	3c	4.8	2.4	Remove	Development			supressed canopy around
T0071	Sydney Peppermint	<i>Eucalyptus piperita</i>	70	70	84	17	11	30	3a	8.4	3.1	Remove	Development			deadwood, high supressed canopy
T0072	Slash Pine	<i>Pinus elliotii</i>	45	45	54	25	6	75	2a	5.4	2.6	Remove	Development			lower canopy supressed
T0073	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	48	19	7	35	3c	4.8	2.4	Remove	APZ			deadwood, lean, narrow supressed canopy
T0074	Silvertop Ash	<i>Eucalyptus sieberi</i>	65	65	78	22	10	70	2a	7.8	3.0	Remove	APZ			lean down slope
T0075	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	16	6	20	3c	3.6	2.2	Remove	APZ			deadwood, narrow tilt supressed canopy
T0076	Sydney Peppermint	<i>Eucalyptus piperita</i>	45	45	54	20	9	50	2c	5.4	2.6	Remove	APZ			deadwood, narrow canopy
T0077	Silvertop Ash	<i>Eucalyptus sieberi</i>	40,55	68	82	20	11	50	3c	8.2	3.0	Remove	APZ			deadwood, powerline attached to trunk, tilt, upper cambium damage
T0078	Silvertop Ash	<i>Eucalyptus sieberi</i>	15,25,25	38	46	10	7	80	1a	4.6	2.4	Remove	Development			
T0079	Silvertop Ash	<i>Eucalyptus sieberi</i>	70	70	84	18	12	90	1a	8.4	3.1	Remove	APZ			
T0080	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	60	14	12	50	3b	6.0	2.7	Remove	Development			much small deadwood, lean
T0081	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	35	42	15	10	45	2c	4.2	2.3	Retain	<Null>			lean, narrow supressed canopy
T0082	Silvertop Ash	<i>Eucalyptus sieberi</i>	65	65	78	19	12	75	2a	7.8	3.0	Retain	<Null>			patches of epicormic growth, deadwood, otherwise good form
T0083	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	13,4	14	16	7	4	85	2a	1.6	1.5	Retain	<Null>			
T0084	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	12	12	14	5	3	85	2b	1.4	1.5	Retain	<Null>			slight lean & canopy over roof
T0085	Sydney Peppermint	<i>Eucalyptus piperita</i>	50	50	60	15	9	75	2b	6.0	2.7	Remove	Development			canopy supressed & tilt over roof
T0086	Cootamundra Wattle	<i>Acacia baileyana</i>	12,8,6,3,6	16	19	7	7	65	3a	1.9	1.7	Retain	<Null>			supressed above
T0087	Sydney Peppermint	<i>Eucalyptus piperita</i>	45,50	67	81	17	13	75	2a	8.1	3.0	Retain	<Null>			manage branch over roof, deadwood
T0088	Sydney Peppermint	<i>Eucalyptus piperita</i>	45	45	54	15	13	75	1a	5.4	2.6	Retain	<Null>			deadwood
T0089	Sydney Peppermint	<i>Eucalyptus piperita</i>	110	110	132	13	9	55	2b	13.2	3.7	Retain	<Null>			next to building, roots under path, 1,2 canopy over roof
T0090	Sydney Peppermint	<i>Eucalyptus piperita</i>	150	150	180	18	18	70	1c	18.0	4.2	Retain	<Null>	V3		
T0091	Sydney Peppermint	<i>Eucalyptus piperita</i>	75	75	90	23	20	70	2a	9.0	3.2	Retain	<Null>	V1		lean over road
T0092	Silvertop Ash	<i>Eucalyptus sieberi</i>	60	60	72	19	16	70	1b	7.2	2.9	Retain	<Null>			small deadwood,
T0093	Sydney Peppermint	<i>Eucalyptus piperita</i>	120	120	144	25	23	65	2b	14.4	3.9	Retain	<Null>	V1		very large tree with large branches over house
T0094	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	25	25	30	19	9	80	1a	3.0	2.0	Remove	Development			no lower canopy
T0095	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	16	6	80	2c	3.0	2.0	Remove	Development			slight lean towards house, unbalanced canopy
T0096	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	20	20	24	9	3	70	2c	2.4	1.8	Remove	Development			supressed canopy above
T0097	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	18	13	6	50	3c	1.8	1.6	Remove	Development			small canopy bend highly supressed
T0098	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	60	16	6	65	2c	6.0	2.7	Remove	Development			canopy supressed upslope
T0099	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	10	10	12	7	3	75	2c	1.2	1.4	Remove	Development			canopy supressed above
T0100	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	10	7	70	3c	3.0	2.0	Remove	Development			bending canopy supressed above
T0101	Cootamundra Wattle	<i>Acacia baileyana</i>	14	14	17	7	6	60	3a	1.7	1.6	Remove	Development			reduced foliage

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0102	Sydney Peppermint	<i>Eucalyptus piperita</i>	40,40,100	115	138	16	12	65	2d	13.8	3.8	Remove	Development			deadwood, one trunk leaning towards house
T0103	Hairpin Banksia	<i>Banksia spinulosa</i>	10,6,3	12	14	4	4	64	2c	1.4	1.5	Remove	Development			
T0104	Hairpin Banksia	<i>Banksia spinulosa</i>	15,18	23	28	3	5	45	3c	2.8	1.9	Remove	Development			
T0105	Sydney Peppermint	<i>Eucalyptus piperita</i>	12,12 ,6	18	22	5	5	75	1a	2.2	1.7	Remove	Development			
T0106	Silvertop Ash	<i>Eucalyptus sieberi</i>	20,25	32	38	9	8	65	2c	3.8	2.2	Remove	Development			supressed narrow canopy
T0107	Silvertop Ash	<i>Eucalyptus sieberi</i>	50,30	58	70	19	10	75	2b	7.0	2.8	Remove	Development			1 trunk leaning toward house, one small lean to proposed hall
T0108	Sydney Peppermint	<i>Eucalyptus piperita</i>	55	55	66	18	12	50	2d	6.6	2.8	Remove	APZ			large trunk & branches leaning towards office, could split, contains good hollows worth keeping, manage
T0109	Silvertop Ash	<i>Eucalyptus sieberi</i>	25,25,15,9	39	47	17	7	75	2b	4.7	2.4	Remove	Development			brances lean to & over house
T0110	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	13	5	60	2c	2.4	1.8	Remove	APZ			lean, narrow supressed canopy
T0111	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	12	8	80	1a	3.6	2.2	Remove	APZ			may need future management, small supressed canopy
T0112	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	8	5	70	2a	3.0	2.0	Remove	APZ			smalll deadwood & epicormic growth, poor health for age
T0113	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	10	5	50	3c	2.4	1.8	Retain	<Null>			lean, low canopy foliage
T0114	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	36	10	9	80	1a	3.6	2.2	Retain	<Null>			lean, otherwise good form
T0115	Sydney Peppermint	<i>Eucalyptus piperita</i>	10	10	12	7	5	70	3b	1.2	1.4	Retain	<Null>			heavy lean over building
T0116	Japanese Maple	<i>Acer palmatum</i>	10	10	12	8	5	95	1a	1.2	1.4	Retain	<Null>			
T0117	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	8	6	60	2c	2.4	1.8	Retain	<Null>			lean, reduced canopy
T0118	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	8	4	60	2c	2.4	1.8	Remove	APZ			canopy supressed above & around
T0119	Sydney Peppermint	<i>Eucalyptus piperita</i>	80	80	96	14	13	60	2d	9.6	3.3	Remove	Development			next to existing building, may get damaged in demolition process, epicormic growth, deadwood, hollows value
T0120	Sydney Peppermint	<i>Eucalyptus piperita</i>	110	110	132	20	18	85	1a	13.2	3.7	Retain	<Null>	V2		good form for age
T0121	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	48	22	14	70	2a	4.8	2.4	Retain	<Null>			bend & leans over road
T0122	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	20	6	60	2c	3.6	2.2	Remove	Development			narrow supressed canopy, lower trunk cambium furrow
T0123	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	12	5	45	2c	3.0	2.0	Retain	<Null>			narrow reduced canopy
T0124	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,30,10	40	48	13	9	40	3c	4.8	2.4	Remove	Development			supressed above, poor form
T0125	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	48	21	11	60	2d	4.8	2.4	Remove	Development			wire wrapped around trunk cause cambium damage, bend canopy but probably best tree in group
T0126	Silvertop Ash	<i>Eucalyptus sieberi</i>	55	55	66	25	16	40	3b	6.6	2.8	Remove	Development			bent crown, deadwood, poor form, epicormic growth
T0127	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	13	6	20	3c	3.0	2.0	Remove	Development			poor health & form, only epicormic growth
T0128	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	48	20	15	50	2b	4.8	2.4	Remove	Development			full canopy leaning over proposed building
T0129	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	40	40	48	21	10	75	2a	4.8	2.4	Remove	Development			lower, deadwood, good shape in group
T0130	Sydney Peppermint	<i>Eucalyptus piperita</i>	20,25	32	38	9	6	25	3b	3.8	2.2	Retain	<Null>			reduced canopy, little foliage
T0131	Silvertop Ash	<i>Eucalyptus sieberi</i>	4	4	5	21	18	65	2a	0.5	0.9	Retain	<Null>			deadwood, lean over road, roots may be undermined from structure
T0132	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	60	23	14	80	1a	6.0	2.7	Remove	Development			lean over road, otherwise good form
T0133	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	14	3	65	2a	3.0	2.0	Remove	Development			borers, cambium damage, small high canopy

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0134	Silvertop Ash	<i>Eucalyptus sieberi</i>	45	45	54	19	14	60	3a	5.4	2.6	Remove	Development			bent trunk & lean, old broken trunk split, deadwood, poor health evident by lack of foliage
T0135	Sydney Peppermint	<i>Eucalyptus piperita</i>	60	60	72	13	11	45	3d	7.2	2.9	Remove	APZ			trunk base cambium damage, small deadwood, reduced foliage
T0136	Sydney Peppermint	<i>Eucalyptus piperita</i>	10	10	12	6	3	80	1a	1.2	1.4	Remove	Development			
T0137	Sydney Peppermint	<i>Eucalyptus piperita</i>	10	10	12	7	6	55	2c	1.2	1.4	Remove	Development			lean & bend
T0138	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	6	5	70	2c	2.4	1.8	Remove	Development			supressed by 135
T0139	Sydney Peppermint	<i>Eucalyptus piperita</i>	45	45	54	27	10	75	1a	5.4	2.6	Retain	<Null>			lower deadwood, good shape,form
T0140	Silvertop Ash	<i>Eucalyptus sieberi</i>	85,30	90	108	21	17	80	1a	10.8	3.4	Retain	<Null>	V2		small deadwood
T0141	Pencil Pine	<i>Cupressus sp.</i>	20	20	24	11	4	85	2a	2.4	1.8	Retain	<Null>			
T0142	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	35	35	42	20	9	75	1a	4.2	2.3	Remove	Development			
T0143	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,25	39	47	12	12	45	2b	4.7	2.4	Remove	Development			canopy bend & supressed by 142, near to proposed building
T0144	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	20	20	24	10	5	50	2c	2.4	1.8	Retain	<Null>			reduced canopy bend from supression
T0145	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	35	35	42	20	6	75	1a	4.2	2.3	Remove	APZ			better shape & form of group
T0146	Silvertop Ash	<i>Eucalyptus sieberi</i>	45	45	54	19	9	60	2c	5.4	2.6	Retain	<Null>			heavily bent trunk from 145
T0147	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,15	29	35	16	8	55	2c	3.5	2.1	Retain	<Null>			bending trunk
T0148	Sydney Peppermint	<i>Eucalyptus piperita</i>	45	45	54	18	13	70	2d	5.4	2.6	Remove	Development			lower cambium damage
T0149	Sydney Peppermint	<i>Eucalyptus piperita</i>	40,45	60	72	19	10	70	2a	7.2	2.9	Remove	Development			previous cut large middle trunk may make susceptible to split
T0150	Sydney Golden Wattle	<i>Acacia longifolia</i>	15	15	18	7	6	80	2a	1.8	1.6	Remove	Development			could be kept alongside 149
T0151	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	18	6	70	2a	3.6	2.2	Remove	APZ			no major effects from group
T0152	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	11	8	75	1a	3.0	2.0	Remove	APZ			will become supressed above
T0153	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	42	17	7	65	2b	4.2	2.3	Remove	Development			trunk base cambium damage, small lean towards proposed building, canopy supressed
T0154	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	48	20	7	70	2a	4.8	2.4	Remove	Development			should stay if 158 goes
T0155	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,30	10	12	7	4	75	2a	1.2	1.4	Remove	Development			will become supressed above
T0156	Sydney Peppermint	<i>Eucalyptus piperita</i>	10	39	47	15	7	70	2a	4.7	2.4	Remove	APZ			should stay if 158 goes
T0157	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	10	5	65	2c	3.0	2.0	Remove	Development			bent & reduced canopy
T0158	Silvertop Ash	<i>Eucalyptus sieberi</i>	50,50	71	85	20	12	85	1a	8.5	3.1	Remove	Development			largest & best form in group
T0159	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	10	4	60	2c	2.4	1.8	Remove	Development			may stay if 158 goes
T0160	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	16	9	2	55	2c	1.6	1.5	Remove	Development			narrow supressed canopy
T0161	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	16	8	75	2c	3.6	2.2	Retain	<Null>			should stay if 158 goes, supressed above
T0162	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,40	50	60	8	6	50	2c	6.0	2.7	Retain	<Null>			trunks split at base, both have cambium damage
T0163	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	11	6	25	3b	2.4	1.8	Remove	Development			thin trunk & canopy
T0164	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	18	5	55	2c	3.0	2.0	Remove	Development			
T0165	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	42	18	9	75	1a	4.2	2.3	Remove	APZ			mounted speaker tree
T0166	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	16	9	3	40	3c	1.6	1.5	Retain	<Null>			reduced

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T0167	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	17	7	60	2c	3.0	2.0	Remove	Development			bend, thin canopy
T0168	Stag	Stag	15	15	18	3	1	0	4a	1.8	1.6	Remove	Dangerous tree			dont remove root sytem if 167 stays
T0169	Sydney Peppermint	<i>Eucalyptus piperita</i>	11,15	19	22	7	3	30	3c	2.2	1.8	Remove	Development			cambium damage down much of one trunk
T0170	Silvertop Ash	<i>Eucalyptus sieberi</i>	45	45	54	20	7	75	2a	5.4	2.6	Retain	<Null>			probably internal shared root system with 171, keep or remove together
T0171	Silvertop Ash	<i>Eucalyptus sieberi</i>	30,50	58	70	17	8	65	2a	7.0	2.8	Remove	Development			bending trunk, could be same root system as 170
T0172	Old Man Banksia	<i>Banksia serrata</i>	15	15	18	4	4	70	2a	1.8	1.6	Remove	APZ			
T0173	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	36	18	5	55	3c	3.6	2.2	Remove	Development			thin canopy, dieback, small deadwood
T0174	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	8	3	15	4a	2.4	1.8	Remove	Dangerous tree			supressed, little remaining foliage, wire tied arond branch
T0175	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	48	19	8	70	1a	4.8	2.4	Remove	Development			narrow canopy
T0176	Silvertop Ash	<i>Eucalyptus sieberi</i>	12	12	14	9	2	20	3a	1.4	1.5	Remove	APZ			single foliage branch, small deadwood
T0177	Silvertop Ash	<i>Eucalyptus sieberi</i>	45,15	47	57	17	7	60	3d	5.7	2.6	Remove	APZ			deadwood towards proposed building, management
T0178	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	35	42	19	6	70	2c	4.2	2.3	Retain	<Null>			
T0179	Cedar Wattle	<i>Acacia elata</i>	15	15	18	8	4	75	3a	1.8	1.6	Remove	APZ			upslope lower canopy supressed
T0180	Pencil Pine	<i>Cupressus sp.</i>	15	15	18	8	3	80	2a	1.8	1.6	Remove	APZ			
T0181	Silvertop Ash	<i>Eucalyptus sieberi</i>	15	15	18	9	5	55	3c	1.8	1.6	Retain	<Null>			heavy lean towards proposed buildings, next to quality mature peppermint outside of site
T0182	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	18	6	70	2c	3.6	2.2	Retain	<Null>			supressed above
T0183	Silvertop Ash	<i>Eucalyptus sieberi</i>	70	70	84	19	19	80	1a	8.4	3.1	Retain	<Null>			large tree with slight lean towards building, appears structurally sound, root system under side road
T0184	Pencil Pine	<i>Cupressus sp.</i>	15	15	18	6	2	70	2c	1.8	1.6	Remove	Development			almost supressed above
T0185	Pencil Pine	<i>Cupressus sp.</i>	20	20	24	8	3	70	2d	2.4	1.8	Remove	Development			becoming supressed above, smothered by leaning 186 & 187
T0186	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	14	8	55	3b	2.4	1.8	Remove	Development			smothering 185, heavily lean towards proposed building
T0187	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	11	7	70	3c	3.0	2.0	Retain	<Null>			lean towards proposed building, smothering 185
T0188	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	11	4	80	1a	3.0	2.0	Remove	Development			
T0189	Pencil Pine	<i>Cupressus sp.</i>	10	10	12	7	2	80	2c	1.2	1.4	Remove	Development			will supress 188
T0190	Pencil Pine	<i>Cupressus sp.</i>	10	10	12	5	3	80	2c	1.2	1.4	Remove	Development			will become supressed above by 191
T0191	Silvertop Ash	<i>Eucalyptus sieberi</i>	60	60	72	16	14	80	1a	7.2	2.9	Remove	Development			small deadwood
T0192	Sydney Peppermint	<i>Eucalyptus piperita</i>	100	100	120	19	16	75	2a	12.0	3.6	Remove	Development			small kino, wire wrapped around 1 trunk ,borers
T0193	Silvertop Ash	<i>Eucalyptus sieberi</i>	4	4	5	18	9	40	3c	0.5	0.9	Remove	Development			sever cambium damage around half of trunk base from access gate rub
T0194	Sydney Peppermint	<i>Eucalyptus piperita</i>	12,15,15,20,8	32	38	10	7	60	2c	3.8	2.2	Remove	Development			epicormic growth, mallee structure 5 stems
T0195	Old Man Banksia	<i>Banksia serrata</i>	18	18	22	4	3	75	2d	2.2	1.7	Remove	Development			
T0196	Silvertop Ash	<i>Eucalyptus sieberi</i>	60	60	72	19	10	60	2b	7.2	2.9	Remove	Development			cambium damage at base, small lean over proposed building
T0197	Old Man Banksia	<i>Banksia serrata</i>	15	15	18	3	5	40	3a	1.8	1.6	Remove	Development			fallen over but still living
T0198	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	10	5	65	2c	3.0	2.0	Remove	Development			

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T0199	Sydney Peppermint	<i>Eucalyptus piperita</i>	15,35	38	46	15	7	65	2c	4.6	2.4	Remove	APZ			
T0200	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,40	50	60	17	9	65	2d	6.0	2.7	Remove	Development			narrow supressed canopy
T0201	Sydney Peppermint	<i>Eucalyptus piperita</i>	20,50	54	65	17	4	55	2c	6.5	2.8	Retain	<Null>			cambium damage lower trunk, old broken lower trunk, deadwood
T0202	Sydney Peppermint	<i>Eucalyptus piperita</i>	20,50,55,16	79	94	16	12	70	2d	9.4	3.2	Remove	Development			split at base, deadwood
T0203	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	7	5	80	1a	2.4	1.8	Remove	Development			small lean
T0204	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	48	14	7	80	1a	4.8	2.4	Retain	<Null>			
T0205	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	48	18	8	65	2a	4.8	2.4	Remove	Development			
T0206	Silvertop Ash	<i>Eucalyptus sieberi</i>	25,35	43	52	13	7	85	1a	5.2	2.5	Remove	Development			
T0207	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	7	5	65	2c	2.4	1.8	Remove	Development			broken crown
T0208	Silvertop Ash	<i>Eucalyptus sieberi</i>	30,15	34	40	16	8	0	4a	4.0	2.3	Remove	Dangerous tree			
T0209	Old Man Banksia	<i>Banksia serrata</i>	15	15	18	4	4	85	1a	1.8	1.6	Retain	<Null>			
T0210	Silvertop Ash	<i>Eucalyptus sieberi</i>	45,25	51	62	16	10	70	2b	6.2	2.7	Retain	<Null>			leaning towards proposed building
T0211	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	35	42	16	6	75	2a	4.2	2.3	Retain	<Null>			small mid-trunk cambium damage, removal of 208 roots may make unstable
T0212	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	36	11	7	60	3b	3.6	2.2	Remove	Development			lean towards proposed building
T0213	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	18	7	2	10	4a	1.8	1.6	Remove	Dangerous tree			
T0214	Cedar Wattle	<i>Acacia elata</i>	20	18	22	12	6	70	2d	2.2	1.7	Retain	<Null>			becoming supressed above by 210
T0215	Silvertop Ash	<i>Eucalyptus sieberi</i>	65	20	24	12	6	55	3c	2.4	1.8	Remove	Development			
T0216	Silvertop Ash	<i>Eucalyptus sieberi</i>	18	65	78	15	9	45	4e	7.8	3.0	Remove	Dangerous tree			epicormic growth, broken lower trunk (hollow through to other side of lower trunk), lower trunk cam damage, deadwood
T0217	Old Man Banksiat	<i>Banksia serrata</i>	10	10	12	4	3	90	1a	1.2	1.4	Remove	Development			
T0218	Old Man Banksia	<i>Banksia serrata</i>	20,20	28	34	4	3	50	3a	3.4	2.1	Retain	<Null>			
T0219	Silvertop Ash	<i>Eucalyptus sieberi</i>	25,30	39	47	15	7	60	3c	4.7	2.4	Retain	<Null>			reduced foliage , trunk bends supressed
T0220	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,15	29	35	9	6	55	3c	3.5	2.1	Remove	Development			epicormic growth
T0221	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	35	42	14	7	60	2c	4.2	2.3	Remove	Development			small kino, lean towards proposed building
T0222	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	10	6	40	3b	3.0	2.0	Remove	Development			epicormic growth, small deadwood
T0223	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	18	9	2	45	3c	1.8	1.6	Remove	Development			deadwood, epicormic growth
T0224	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	48	17	7	75	1a	4.8	2.4	Remove	Development			
T0225	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	22	7	4	65	2c	2.2	1.7	Remove	Development			will become more supressed by 224
T0226	Sydney Peppermint	<i>Eucalyptus piperita</i>	13,9	16	19	6	3	10	4a	1.9	1.6	Remove	Dangerous tree			
T0227	Old Man Banksia	<i>Banksia serrata</i>	15	15	18	4	3	70	2a	1.8	1.6	Remove	Development			
T0228	Old Man Banksia	<i>Banksia serrata</i>	13,9	16	19	5	3	75	2a	1.9	1.6	Retain	<Null>			
T0229	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	9	8	20	3b	2.4	1.8	Retain	<Null>			heavy lean, epicormic growth is the only foliage
T0230	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	9	7	35	3b	2.4	1.8	Remove	Development			bend, epicormic growth
T0231	Silvertop Ash	<i>Eucalyptus sieberi</i>	13	13	16	8	6	30	3b	1.6	1.5	Remove	Development			heavy bend
T0232	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	17	9	5	45	2c	1.7	1.6	Remove	Development			supressed above

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0233	Old Man Banksia	<i>Banksia serrata</i>	20	12	14	4	3	65	2a	1.4	1.5	Retain	<Null>			
T0234	Silvertop Ash	<i>Eucalyptus sieberi</i>	12	13	16	9	6	5	4a	1.6	1.5	Remove	Dangerous tree			
T0235	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	20	24	9	5	20	4a	2.4	1.8	Remove	Dangerous tree			heavily cambium damage, borers, epicormic growth
T0236	Silvertop Ash	<i>Eucalyptus sieberi</i>	35,40	53	64	16	12	80	1a	6.4	2.7	Retain	<Null>			
T0237	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	17	7	6	45	2c	1.7	1.6	Retain	<Null>			pos same root system as 238
T0238	Silvertop Ash	<i>Eucalyptus sieberi</i>	15	15	18	8	6	50	2c	1.8	1.6	Retain	<Null>			
T0239	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	9	5	40	3c	2.4	1.8	Retain	<Null>			epicormic growth,
T0240	Silvertop Ash	<i>Eucalyptus sieberi</i>	45	45	54	16	10	70	2a	5.4	2.6	Retain	<Null>			lean then bending crown, otherwise good form,health
T0241	Silvertop Ash	<i>Eucalyptus sieberi</i>	13	13	16	8	6	40	3c	1.6	1.5	Retain	<Null>			all epicormic growth
T0242	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	18	8	3	5	4a	1.8	1.6	Remove	Dangerous tree			heavily ringbark
T0243	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,,25	39	47	12	8	60	3c	4.7	2.4	Retain	<Null>			epicormic growth, small kino,, cambium damage @ base pot for 2 trunks to split
T0244	Old Man Banksia	<i>Banksia serrata</i>	20	20	24	4	3	70	2a	2.4	1.8	Retain	<Null>			
T0245	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,26	40	48	13	7	65	2b	4.8	2.4	Remove	Development			middle trunk dead, outer trunks pot to split
T0246	Silvertop Ash	<i>Eucalyptus sieberi</i>	70	70	84	15	9	45	4c	8.4	3.1	Remove	Dangerous tree			lower trunk lean w upslope severe cambium damage,pos weak at base, can be mde sfe by rmving uppr large lvg br
T0247	Old Man Banksia	<i>Banksia serrata</i>	11	11	13	4	2	65	2a	1.3	1.4	Retain	<Null>			
T0248	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	17	7	3	60	3c	1.7	1.6	Retain	<Null>			reduced canopy
T0249	Silvertop Ash	<i>Eucalyptus sieberi</i>	55	55	66	17	10	75	1a	6.6	2.8	Retain	<Null>			
T0250	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	36	12	9	70	1a	3.6	2.2	Retain	<Null>			prob same root system as 249,
T0251	Silvertop Ash	<i>Eucalyptus sieberi</i>	12	12	14	9	7	40	2c	1.4	1.5	Retain	<Null>			heavily lean
T0252	Old Man Banksia	<i>Banksia serrata</i>	14	14	17	4	3	75	2a	1.7	1.6	Remove	Development			
T0253	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	16	8	3	50	2c	1.6	1.5	Remove	Development			
T0254	Silvertop Ash	<i>Eucalyptus sieberi</i>	30,30	42	51	18	7	65	2c	5.1	2.5	Remove	Development			
T0255	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	35	42	16	5	45	3c	4.2	2.3	Remove	Development			reduced foliage, bend tr
T0256	Sydney Peppermint	<i>Eucalyptus piperita</i>	65,18	67	81	15	9	55	2d	8.1	3.0	Remove	Development			deadwood , cambium damage at old broken off br from tr,
T0257	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	16	9	3	60	3c	1.6	1.5	Remove	Development			supressed above
T0258	Old Man Banksia	<i>Banksia serrata</i>	20	20	24	4	3	60	3d	2.4	1.8	Remove	Development			supressed to sth
T0259	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,8	26	31	6	3	25	3c	3.1	2.0	Remove	Development			broken tr, reeduced foliage
T0260	Old Man Banksia	<i>Banksia serrata</i>	10	10	12	4	2	80	1a	1.2	1.4	Retain	<Null>			
T0261	Old Man Banksia	<i>Banksia serrata</i>	18	18	22	4	3	75	2a	2.2	1.7	Remove	APZ			
T0262	Old Man Banksia	<i>Banksia serrata</i>	10	10	12	4	3	65	3c	1.2	1.4	Retain	<Null>			
T0263	Silvertop Ash	<i>Eucalyptus sieberi</i>	40,20	45	54	19	9	70	2a	5.4	2.5	Retain	<Null>			unbalanced canopy
T0264	Old Man Banksia	<i>Banksia serrata</i>	13	13	16	6	3	80	2b	1.6	1.5	Remove	Development			
T0265	Sydney Peppermint	<i>Eucalyptus piperita</i>	14	14	17	11	4	60	2c	1.7	1.6	Retain	<Null>			narrow canopy
T0266	Sydney Peppermint	<i>Eucalyptus piperita</i>	14,16,22,7	31	38	12	7	60	3c	3.8	2.2	Remove	Development			cambium damage @ base, canopy supressed above

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0267	Sydney Peppermint	<i>Eucalyptus piperita</i>	20,4	20	24	7	7	80	2c	2.4	1.8	Remove	Development			supressed above & east by 268
T0268	Silvertop Ash	<i>Eucalyptus sieberi</i>	30,15	34	40	14	8	85	1a	4.0	2.3	Remove	Development			
T0269	Silvertop Ash	<i>Eucalyptus sieberi</i>	16	16	19	7	4	74	1a	1.9	1.7	Remove	APZ			
T0270	Blue Mountains Ash	<i>Eucalyptus oreades</i>	10	10	12	7	4	75	1a	1.2	1.4	Remove	APZ			will become supressed if neighbours are not thinned
T0271	Silvertop Ash	<i>Eucalyptus sieberi</i>	22	22	26	7	6	85	2c	2.6	1.9	Remove	APZ			
T0272	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	9	6	85	2c	3.0	2.0	Remove	APZ			will become supressed if neighbours are not thinned
T0273	Silvertop Ash	<i>Eucalyptus sieberi</i>	27	27	32	13	4	85	1a	3.2	2.1	Remove	APZ			will become supressed if neighbours are not thinned
T0274	Sydney Peppermint	<i>Eucalyptus piperita</i>	20,9	22	26	7	7	80	1a	2.6	1.9	Remove	APZ			will become supressed above if neighbours are not thinned
T0275	Silvertop Ash	<i>Eucalyptus sieberi</i>	10	10	12	6	4	65	2c	1.2	1.4	Remove	APZ			bend, tilting canopy from uphill supressedp
T0276	Silvertop Ash	<i>Eucalyptus sieberi</i>	30,20	36	43	13	5	80	1a	4.3	2.3	Remove	APZ			
T0277	Silvertop Ash	<i>Eucalyptus sieberi</i>	26	26	31	8	6	80	1a	3.1	2.0	Remove	APZ			
T0278	Silvertop Ash	<i>Eucalyptus sieberi</i>	28	28	34	13	5	80	1a	3.4	2.1	Remove	APZ			will become supressed if uphill neighbours are not thinned
T0279	Silvertop Ash	<i>Eucalyptus sieberi</i>	35,6	36	43	11	5	85	1a	4.3	2.3	Remove	Development			
T0280	Silvertop Ash	<i>Eucalyptus sieberie</i>	21	21	25	13	5	80	2a	2.5	1.9	Remove	APZ			roots exposed under tree from erosion
T0281	Silvertop Ash	<i>Eucalyptus sieberi</i>	18	18	22	10	4	80	1a	2.2	1.7	Remove	APZ			roots exposed below from erosion
T0282	Silvertop Ash	<i>Eucalyptus sieberi</i>	70	70	84	10	8	60	3b	8.4	3.1	Remove	APZ			small kino, lean, deadwood
T0283	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	35	42	12	7	50	3b	4.2	2.3	Remove	Development			much kino around base, slight lean towards building
T0284	Sydney Peppermint	<i>Eucalyptus piperita</i>	21	21	25	9	7	50	2c	2.5	1.9	Remove	Development			heavily uphill lean from supressed
T0285	Silvertop Ash	<i>Eucalyptus sieberi</i>	45,13	47	56	19	10	80	1a	5.6	2.6	Retain	<Null>			
T0286	Sydney Peppermint	<i>Eucalyptus piperita</i>	50	50	60	22	9	75	1b	6.0	2.7	Retain	<Null>			deadwood,,no lean good form
T0287	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,20	32	38	12	7	55	2c	3.8	2.2	Remove	Development			lean & bend from supressed of 286
T0288	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	13	8	65	2c	3.0	2.0	Remove	Development			bending narrow canopy, supressed by 286
T0289	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	9	5	55	2c	2.4	1.8	Remove	Development			lean, narrow canopy, supressed by 286
T0290	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	19	10	65	2c	3.6	2.2	Retain	<Null>			downhill heavily lean
T0291	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	16	9	3	70	2c	1.6	1.5	Remove	Development			will become fsupressed above by 286
T0292	Sydney Peppermint	<i>Eucalyptus piperita</i>	10	10	12	7	4	60	2c	1.2	1.4	Remove	Development			lean ffrom hsupressed
T0293	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	13	5	70	2c	2.4	1.8	Remove	Development			supressed above
T0294	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	20	9	74	1a	3.6	2.2	Retain	<Null>			
T0295	Sydney Peppermint	<i>Eucalyptus piperita</i>	10	30	36	14	7	80	1a	3.6	2.2	Retain	<Null>			better option to retain than 294, will supressed each other
T0296	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	10	12	10	4	75	2c	1.2	1.4	Remove	Development			will become supressedp above
T0297	Stag	Stag	20	20	24	14	2	0	4a	2.4	1.8	Remove	Dangerous tree			
T0298	Cedar Wattle	<i>Acacia elata</i>	26	26	31	12	8	70	2d	3.1	2.0	Remove	Development			
T0299	Cootamundra Wattle	<i>Acacia baileyana</i>	15	15	18	10	3	40	3c	1.8	1.6	Remove	Development			supressed by 298, no mid foliage
T0300	Sydney Golden Wattle	<i>Acacia longifolia</i>	25 ,20	32	38	9	9	65	3c	3.8	2.2	Remove	Development			small canopy supressed.fnot as good form as 301
T0301	Sydney Golden	<i>Acacia longifolia</i>	25	25	30	9	6	80	2a	3.0	2.0	Remove	Development			

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
	Wattle															
T0302	Sydney Peppermint	<i>Eucalyptus piperita</i>	50	50	60	20	10	75	2c	6.0	2.7	Retain	<Null>			little less form than 303
T0303	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	48	20	9	75	1a	4.8	2.4	Retain	<Null>			
T0304	Sydney Peppermint	<i>Eucalyptus piperita</i>	26, 30	40	48	18	9	45	2c	4.8	2.4	Retain	<Null>			contains hollow(s)
T0305	Small-leaved Peppermint	<i>Scientific</i>	35	35	42	10	6	70	1a	4.2	2.3	Retain	<Null>			
T0306	Stag	Stag	25	25	30	13	2	0	4a	3.0	2.0	Remove	Dangerous tree			
T0307	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	16	9	4	60	3c	1.6	1.5	Retain	<Null>			leaves thinned from attack
T0308	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	11	4	80	2c	2.4	1.8	Remove	Development			lower bend in trunk, good form
T0309	Sydney Peppermint	<i>Eucalyptus piperita</i>	27	27	32	8	5	85	1a	3.2	2.1	Remove	Development			will become more suppressed if neighbours are not thinned
T0310	Sydney Peppermint	<i>Eucalyptus piperita</i>	10,6,7	14	16	8	4	70	2c	1.6	1.5	Remove	Development			mallee form,
T0311	Sydney Peppermint	<i>Eucalyptus piperita</i>	13,5	14	17	9	3	80	2c	1.7	1.6	Remove	Development			
T0312	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	9	5	85	1a	3.0	2.0	Retain	<Null>			will become suppressed if neighbours are not thinned
T0313	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	18	11	3	90	1a	1.8	1.6	Retain	<Null>			will become suppressed if neighbours are not thinned
T0314	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	22	10	4	80	2c	2.2	1.7	Retain	<Null>			313 is better shape, form
T0315	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	40	40	48	25	7	60	3b	4.8	2.4	Remove	APZ			low cambium split, thinned foliage, deadwood
T0316	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	45	45	54	13	13	40	4e	5.4	2.6	Remove	Dangerous tree			heavily lean & tilt over building, borers, small deadwood
T0317	Slash Pine	<i>Pinus elliotii</i>	30	30	36	19	5	45	3a	3.6	2.2	Remove	APZ			lower & mid foliage dead
T0318	Slash Pine	<i>Pinus elliotii</i>	25	25	30	19	4	40	3a	3.0	2.0	Remove	APZ			one side & lower foliage dead from suppressed
T0319	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	17	9	7	50	4f	1.7	1.6	Remove	Dangerous tree			dge of garden down from 318. lean over parking area
T0320	Japanese Maple	<i>Acer palmatum</i>	35	35	42	17	8	90	1a	4.2	2.3	Retain	<Null>			
T0321	Sydney Peppermint	<i>Eucalyptus piperita</i>	40,35	53	64	17	13	80	1a	6.4	2.7	Retain	<Null>			branches a little over building but they are not dead, dont remove roots of neighbours
T0322	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,15	34	40	12	7	70	2c	4.0	2.3	Retain	<Null>			compete w 321
T0323	Slash Pine	<i>Pinus elliotii</i>	23	23	28	10	4	55	3c	2.8	1.9	Retain	<Null>			
T0324	Sydney Peppermint	<i>Eucalyptus piperita</i>	20,6	21	25	14	6	55	3c	2.5	1.9	Retain	<Null>			llean, reduced foliage
T0325	Silvertop Ash	<i>Eucalyptus sieberi</i>	35,25	43	52	18	11	80	1a	5.2	2.5	Retain	<Null>			
T0326	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	36	43	19	10	65	2d	4.3	2.3	Remove	Development			removal of 338 upslope should not remove root system
T0327	Silvertop Ash	<i>Eucalyptus sieberi</i>	35,35	49	59	13	4	15	3c	5.9	2.7	Retain	<Null>			bend, narrow canopy
T0328	Silvertop Ash	<i>Eucalyptus sieberi</i>	45	45	54	21	8	20	3c	5.4	2.6	Remove	Development			deadwood, 1 living branch
T0329	Silvertop Ash	<i>Eucalyptus sieberi</i>	10	10	12	8	2	60	1a	1.2	1.4	Remove	Development			will become suppressed if neighbours are not thinned
T0330	Stag	Stag	12	12	14	3	1	0	4a	1.4	1.5	Remove	Dangerous tree			nothing seen living inside by torch insp
T0331	Slash Pine	<i>Pinus elliotii</i>	25	25	30	18	6	30	3a	3.0	2.0	Remove	APZ			suppressed above, dying foliage
T0332	Silvertop Ash	<i>Eucalyptus sieberi</i>	10	10	12	6	2	80	1a	1.2	1.4	Remove	APZ			
T0333	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	18	7	70	2c	3.0	2.0	Remove	APZ			uphill lean, reduced foliage
T0334	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	60	19	18	65	2d	6.0	2.7	Retain	<Null>			thinned foliage on wide canopy, deadwood, lean

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0335	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	36	16	9	70	2b	3.6	2.2	Remove	Development			lean over building
T0336	Stag	Stag	10	10	12	8	3	0	4a	1.2	1.4	Remove	Dangerous tree			
T0337	Stag	Stag	11	11	13	8	2	0	4a	1.3	1.4	Remove	Dangerous tree			
T0338	Slash Pine	<i>Pinus elliotti</i>	70	70	84	28	10	60	2b	8.4	3.1	Remove	Development			lower foliage dieback, competing form, branches over building
T0339	Sydney Peppermint	<i>Eucalyptus piperita</i>	40,20	45	54	18	10	75	2b	5.4	2.5	Remove	Development			leaning wholly over building
T0340	Silvertop Ash	<i>Eucalyptus sieberi</i>	55	55	66	22	12	80	1a	6.6	2.8	Remove	APZ			
T0341	Silvertop Ash	<i>Eucalyptus sieberi</i>	24,16	29	35	11	7	80	2c	3.5	2.1	Remove	APZ			
T0342	Silvertop Ash	<i>Eucalyptus sieberi</i>	45	45	54	17	8	60	3c	5.4	2.6	Remove	APZ			removal of roots will undermine nearby good trees
T0343	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,20,20,10,13	39	47	9	9	75	2d	4.7	2.4	Remove	APZ			branches over building, light mallee form, sm kino
T0344	Silvertop Ash	<i>Eucalyptus sieberi</i>	30,50,40	71	85	21	14	75	2c	8.5	3.1	Remove	APZ			large tree growing on rock, large trunk leaning toward building
T0345	Silvertop Ash	<i>Eucalyptus sieberi</i>	60	60	72	18	9	80	1a	7.2	2.9	Remove	APZ			
T0346	Slash Pine	<i>Pinus elliotti</i>	30	30	36	19	4	65	2a	3.6	2.2	Remove	Development			no suppressed, some dieback
T0347	Slash Pine	<i>Pinus elliotti</i>	15	15	18	16	4	70	2a	1.8	1.6	Remove	Development			
T0348	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	17	16	4	80	2b	1.7	1.6	Remove	Development			lean over building
T0349	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	45	45	54	19	9	55	3a	5.4	2.6	Remove	Development			corner tree, reduced foliage, deadwood, removal will enable canopy brk over rd
T0350	Sydney Peppermint	<i>Eucalyptus piperita</i>	45	45	54	20	8	65	3c	5.4	2.6	Retain	<Null>			
T0351	Stag	Stag	25	25	30	11	6	0	4a	3.0	2.0	Remove	Dangerous tree			
T0352	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	42	18	6	45	3c	4.2	2.3	Retain	<Null>			
T0353	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	36	18	9	75	1a	3.6	2.2	Retain	<Null>			option for 10m roadside canopy break
T0354	Sydney Peppermint	<i>Eucalyptus piperita</i>	60	60	72	24	11	75	1a	7.2	2.9	Retain	<Null>			deadwood, option for 10m roadsid canopy break
T0355	Brittle Gum?	<i>Eucalyptus mannifera?</i>	45	45	54	19	9	10	4a	5.4	2.6	Remove	Dangerous tree			
T0356	Cedar Wattle	<i>Acacia elata</i>	35	35	42	25	11	60	3c	4.2	2.3	Retain	<Null>			
T0357	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	11	7	15	4a	3.0	2.0	Remove	Dangerous tree			
T0358	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,23,10	35	42	12	6	25	3c	4.2	2.3	Retain	<Null>			supressed above
T0359	Stag	Stag	40	40	48	26	10	0	4a	4.8	2.4	Remove	Dangerous tree			
T0360	Cedar Wattle	<i>Acacia elata</i>	60	60	72	25	8	50	3a	7.2	2.9	Remove	Development			no lower foliage
T0361	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	48	19	7	55	3c	4.8	2.4	Retain	<Null>			bending narrow canopy
T0362	Stag	Stag	24,26,30	46	56	17	7	0	4a	5.6	2.6	Remove	Dangerous tree			
T0363	Sydney Peppermint	<i>Eucalyptus piperita</i>	50,50	71	85	25	17	60	1a	8.5	3.1	Retain	<Null>	V2		
T0364	Sydney Peppermint	<i>Eucalyptus piperita</i>	50,30	58	70	25	8	60	1a	7.0	2.8	Retain	<Null>			
T0365	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	41	49	15	4	30	3a	4.9	2.5	Retain	<Null>			Suppressed
T0366	Silvertop Ash	<i>Eucalyptus sieberi</i>	60,30,20	70	84	20	8	40	2a	8.4	3.1	Remove	Development			Suppressed
T0368	Sydney Peppermint	<i>Eucalyptus piperita</i>	50,50	71	86	20	8	50	1a	8.6	3.1	Remove	APZ			
T0369	Sydney Peppermint	<i>Eucalyptus piperita</i>	60	60	72	25	10	60	2d	7.2	2.9	Retain	<Null>			

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0369	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	15	5	40	1a	3.0	2.0	Remove	APZ			Suppressed
T0370	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	120	144	15	8	30	1a	14.4	3.9	Retain	<Null>			Over mature tree, large open hollow in base - solid tree but poor health
T0370	Sydney Peppermint	<i>Eucalyptus piperita</i>	120	40	48	12	4	40	2c	4.8	2.4	Remove	Development			Suppressed
T0372	Sydney Peppermint	<i>Eucalyptus piperita</i>	120	120	144	15	7	20	4b	14.4	3.9	Remove	Dangerous tree			Termite damaged
T0373	Stag	Stag	80	80	96	4	1	0	4a	9.6	3.3	Remove	Dangerous tree			Dead tree of no habitat value
T0374	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	35	42	18	4	40	1a	4.2	2.3	Remove	Development			Suppressed
T0375	Sydney Peppermint	<i>Eucalyptus piperita</i>	40,35,30,15	63	75	25	8	50	2b	7.5	2.9	Remove	Development			Multi-stemmed varying condition selective removal of trunks
T0376	Silvertop Ash	<i>Eucalyptus sieberi</i>	60	60	72	25	3	10	4b	7.2	2.9	Remove	Dangerous tree			Heavily pruned tree - remove
T0377	Silvertop Ash	<i>Eucalyptus sieberi</i>	55	55	66	25	6	50	1a	6.6	2.8	Remove	Development			
T0378	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	36	25	5	30	2a	3.6	2.2	Remove	Development			Heavily suppressed
T0379	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	48	25	6	40	3a	4.8	2.4	Remove	Development			Heavily suppressed
T0380	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	20	4	30	3a	2.4	1.8	Remove	Development			Heavily suppressed
T0381	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	48	25	7	40	1a	4.8	2.4	Remove	Development			
T0382	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	60	25	5	30	2a	6.0	2.7	Remove	Development			Heavily suppressed
T0383	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	60	20	12	15	3b	6.0	2.7	Remove	Development			Heavily pruned tree - remove
T0384	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,30,20,30	56	67	13	20	30	2a	6.7	2.8	Remove	Development			Heavily suppressed
T0385	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	4	15	5	4b	3.0	2.0	Remove	Dangerous tree			Remove
T0386	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	60	8	30	60	1a	6.0	2.7	Remove	APZ			
T0387	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,25	35	42	6	20	60	1a	4.2	2.3	Remove	Development			Heavy lean to east
T0388	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	4	20	15	4b	3.0	2.0	Remove	Dangerous tree			Poor health & form, heavily suppressed
T0389	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	60	8	25	60	1a	6.0	2.7	Remove	Development			
T0390	Silvertop Ash	<i>Eucalyptus sieberi</i>	100,30	104	125	12	25	60	2b	12.5	3.6	Remove	Development			Termite damaged
T0391	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	4	15	40	2a	2.4	1.8	Retain	<Null>			Heavily suppressed
T0392	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	36	4	18	40	2a	3.6	2.2	Remove	Development			Heavily suppressed
T0393	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	3	18	10	3b	3.0	2.0	Remove	Development			Very heavily suppressed
T0394	Silvertop Ash	<i>Eucalyptus sieberi</i>	40,15	43	51	4	25	20	3b	5.1	2.5	Remove	Development			Very heavily suppressed
T0395	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	36	4	15	20	3b	3.6	2.2	Remove	Development			Very heavily suppressed
T0396	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	4	15	30	2a	2.4	1.8	Remove	Development			Suppressed
T0397	Sydney Peppermint	<i>Eucalyptus piperita</i>	125	125	150	5	18	20	2a	15.0	3.9	Remove	Development			Suppressed
T0398	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	4	10	30	1a	2.4	1.8	Remove	Development			Heavy lean to east - suppressed
T0399	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	30	5	20	20	3b	3.0	2.0	Remove	Development			Heavily suppressed
T0400	Silvertop Ash	<i>Eucalyptus sieberi</i>	40,15	43	51	8	25	50	1a	5.1	2.5	Remove	Development			
T0401	Sydney Peppermint	<i>Eucalyptus piperita</i>	50,50	71	86	20	10	65	1a	8.6	3.1	Remove	Development			Under/adjacent to proposed shade structure
T0402	Sydney Peppermint	<i>Eucalyptus piperita</i>	60	60	72	20	7	65	1a	7.2	2.9	Remove	Development			Under/adjacent to proposed shade structure
T0403	Sycamore	<i>Platanus x acerifolia</i>	20	20	24	6	3	80	1a	2.4	1.8	Retain	<Null>			Planted feature tree good condition

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0404	Sycamore	<i>Platanus x acerifolia</i>	20	20	24	6	3	80	1a	2.4	1.8	Retain	<Null>			Planted feature tree good condition
T0405	Sycamore	<i>Platanus x acerifolia</i>	20	20	24	6	3	80	1a	2.4	1.8	Retain	<Null>			Planted feature tree good condition
T0406	Sycamore	<i>Platanus x acerifolia</i>	20	20	24	6	3	80	1a	2.4	1.8	Retain	<Null>			Planted feature tree good condition
T0407	Sycamore	<i>Platanus x acerifolia</i>	20	20	24	6	3	80	1a	2.4	1.8	Retain	<Null>			Planted feature tree good condition
T0408	Sycamore	<i>Platanus x acerifolia</i>	20	20	24	6	3	80	1a	2.4	1.8	Retain	<Null>			Planted feature tree good condition
T0409	Sycamore	<i>Platanus x acerifolia</i>	20	20	24	6	3	80	1a	2.4	1.8	Retain	<Null>			Planted feature tree good condition
T0410	Silver Wattle	<i>Acacia dealbata</i>	39	39	42	12	4	85	2a	4.7	2.3	Retain	<Null>			lots sml deadwood
T0411	Dead Stag	Dead Stag	44	44	50	8	0	0	4a	5.3	2.5	Remove	Dangerous tree			
T0412	Sydney Peppermint	<i>Eucalyptus piperita</i>	33	33	38	15	4	70	3c	4.0	2.2	Retain	<Null>			leaning canopy, sml-med deadwood, thin foliage
T0413	Sydney Peppermint	<i>Eucalyptus piperita</i>	12	12	14	10	3	80	2c	1.4	1.4	Retain	<Null>			suppressed above, broken branches
T0414	Sydney Peppermint	<i>Eucalyptus piperita</i>	21,	21	23	13	4	80	2c	2.5	1.8	Retain	<Null>			crowded, thin foliage
T0415	Silvertop Ash	<i>Eucalyptus sieberi</i>	24,54	59	90	16	8	70	4c	7.1	3.2	Remove	Dangerous tree			1xtrunk dead, leaning canopy
T0416	Silvertop Ash	<i>Eucalyptus sieberi</i>	62	62	68	18	10	80	2c	7.4	2.8	Retain	<Null>			leaning canopy, crowded
T0417	Silvertop Ash	<i>Eucalyptus sieberi</i>	16	16	16	11	5	75	3c	1.9	1.5	Retain	<Null>			leaning canopy, suppressed above
T0418	Old Man Banksia	<i>Banksia serrata</i>	22	22	66	9	6	90	2a	2.6	2.8	Retain	<Null>			
T0419	Sydney Peppermint	<i>Eucalyptus piperita</i>	17	17	19	10	4	80	2c	2.0	1.6	Retain	<Null>			suppressed above, leaning canopy, crowded
T0420	Silvertop Ash	<i>Eucalyptus sieberi</i>	83	83	90	20	12	90	2a	10.0	3.2	Retain	<Null>			sml deadwood
T0421	Silvertop Ash	<i>Eucalyptus sieberi</i>	30	30	34	17	10	80	2c	3.6	2.1	Retain	<Null>			leaning canopy, crowded
T0422	Silvertop Ash	<i>Eucalyptus sieberi</i>	76	76	80	22	10	85	2a	9.1	3.0	Retain	<Null>			sml deadwood
T0423	Sydney Peppermint	<i>Eucalyptus piperita</i>	36,27	45	52	18	8	85	2a	5.4	2.5	Retain	<Null>			sml deadwood, crowded
T0424	Sydney Peppermint	<i>Eucalyptus piperita</i>	12	12	15	9	3	70	3c	1.4	1.5	Retain	<Null>			suppressed above, thin foliage
T0425	Sydney Peppermint	<i>Eucalyptus piperita</i>	26,23	35	48	10	7	10	4c	4.2	2.4	Remove	Dangerous tree			dying canopy, heavily leaning trunks, borers
T0426	Sydney Peppermint	<i>Eucalyptus piperita</i>	26,17	31	42	10	3	5	4a	3.7	2.3	Remove	Dangerous tree			dead canopy, suppressed above, crowded
T0427	Dead Stag	Dead Stag	16,18	24	30	7	3	0	4a	2.9	2.0	Remove	Dangerous tree			dead
T0428	Dead Stag	Dead Stag	18	18	22	10	2	0	4a	2.2	1.8	Remove	Dangerous tree			dead
T0429	Dead Stag	Dead Stag	115	115	135	23	10	0	4a	13.8	3.8	Remove	Dangerous tree			dead
T0430	Dead Stag	Dead Stag	26	26	26	10	2	0	4a	3.1	1.9	Remove	Dangerous tree			dead
T0431	Sydney Peppermint	<i>Eucalyptus piperita</i>	19	19	22	12	4	75	2d	2.3	1.8	Retain	<Null>			suppressed above, crowded, sml deadwood
T0432	Sydney Peppermint	<i>Eucalyptus piperita</i>	22	22	24	13	5	85	2a	2.6	1.8	Retain	<Null>			leaning canopy, suppressed above, crowded
T0433	Sydney Peppermint	<i>Eucalyptus piperita</i>	24	24	27	15	5	80	2c	2.9	1.9	Retain	<Null>			crowded, suppressed above, sml deadwood
T0434	Cedar Wattle	<i>Acacia elata</i>	33	33	39	17	6	85	2a	4.0	2.2	Retain	<Null>			crowded, sml deadwood
T0435	Sydney Peppermint	<i>Eucalyptus piperita</i>	43	43	55	19	7	85	2a	5.2	2.6	Retain	<Null>			crowded canopy, sml deadwood
T0436	Sweet Pittosporum	<i>Pittosporum undulatum</i>	18	18	24	4	2	90	2a	2.2	1.8	Retain	<Null>			
T0437	Sweet Pittosporum	<i>Pittosporum</i>	40	40	55	12	6	85	2c	4.8	2.6	Retain	<Null>			exposed wood

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
		<i>undulatum</i>														
T0438	Rough Tree-fern	<i>Cyathea australis</i>	32	32	40	4	3	85	2a	3.8	2.3	Retain	<Null>			crowded canopy
T0439	Sweet Pittosporum	<i>Pittosporum undulatum</i>	31	31	40	11	3	90	2a	3.7	2.3	Retain	<Null>			
T0440	Sweet Pittosporum	<i>Pittosporum undulatum</i>	28,15	32	35	11	4	90	2a	3.8	2.1	Retain	<Null>			
T0441	Sweet Pittosporum	<i>Pittosporum undulatum</i>	17	17	22	12	4	90	2a	2.0	1.8	Retain	<Null>			
T0442	Sweet Pittosporum	<i>Pittosporum undulatum</i>	18	18	22	10	3	85	2a	2.2	1.8	Retain	<Null>			sml deadwood
T0443	Sweet Pittosporum	<i>Pittosporum undulatum</i>	24	24	32	9	3	90	2a	2.9	2.1	Retain	<Null>			
T0444	Rough Tree-fern	<i>Cyathea australis</i>	32	32	47	7	3	90	2a	3.8	2.4	Retain	<Null>			
T0445	Mock Olive	<i>Notelea longifolia</i>	20,15,4,4,5	26	45	4	2	80	2a	3.1	2.4	Retain	<Null>			crowded canopy
T0446	Rough Tree-fern	<i>Cyathea australis</i>	30,40	50	78	4	2	85	2a	6.0	3.0	Retain	<Null>			crowded canopy
T0447	Mock Olive	<i>Notelea longifolia</i>	10,5,5,7,7,6,8	19	30	3	2	85	2a	2.2	2.0	Retain	<Null>			crowded
T0448	Rough Tree-fern	<i>Cyathea australis</i>	36	36	42	3	2	90	2a	4.3	2.3	Retain	<Null>			
T0449	Rough Tree-fern	<i>Cyathea australis</i>	33	33	38	5	2	85	2a	4.0	2.2	Retain	<Null>			crowded canopy
T0450	Rough Tree-fern	<i>Cyathea australis</i>	35	35	40	3	2	90	2a	4.2	2.3	Retain	<Null>			
T0451	Silver Wattle	<i>Acacia dealbata</i>	24,27,23	43	37	7	7	80	3a	5.1	2.2	Remove	APZ			
T0452	Mock Olive	<i>Notelea longifolia</i>	8,10,13,15	24	32	7	6	80	2a	2.8	2.1	Retain	<Null>			
T0453	Sydney Peppermint	<i>Eucalyptus piperita</i>	19	19	24	15	6	80	2a	2.3	1.8	Retain	<Null>			crowded
T0454	Silvertop Ash	<i>Eucalyptus sieberi</i>	36	36	38	18	11	90	2a	4.3	2.2	Retain	<Null>			
T0455	Dead Stag	Dead Stag	22	22	26	9	3	0	4a	2.6	1.9	Remove	Dangerous tree			
T0456	Dead Stag	Dead Stag	64	64	69	18	9	0	4a	7.7	2.8	Remove	Dangerous tree			HT37
T0457	Cedar Wattle	<i>Acacia elata</i>	28	28	36	21	11	80	2a	3.4	2.2	Retain	<Null>			
T0458	Sydney Peppermint	<i>Eucalyptus piperita</i>	56,59	81	80	22	14	70	3b	9.8	3.0	Retain	<Null>			2x trunks at 1m, stressed joint, 1 trunk signif lean
T0459	Cedar Wattle	<i>Acacia elata</i>	19	19	25	14	8	80	2a	2.3	1.8	Retain	<Null>			
T0460	Dead Stag	Dead Stag	21	21	24	16	4	0	4a	2.5	1.8	Remove	Dangerous tree			
T0461	Silvertop Ash	<i>Eucalyptus sieberi</i>	27	27	34	21	10	85	2a	3.2	2.1	Retain	<Null>			
T0462	Silvertop Ash	<i>Eucalyptus sieberi</i>	23	23	29	12	9	70	3b	2.8	2.0	Retain	<Null>			crowded, leaning 15deg, canopy off centre,
T0463	Sydney Peppermint	<i>Eucalyptus piperita</i>	10	10	14	8	4	80	2a	1.2	1.4	Retain	<Null>			crowded
T0464	Sydney Peppermint	<i>Eucalyptus piperita</i>	104	104	130	23	16	70	2d	12.5	3.7	Retain	<Null>	V2		1x major branch is dead, large deadwood
T0465	Silvertop Ash	<i>Eucalyptus sieberi</i>	68	68	74	17	14	75	2a	8.2	2.9	Retain	<Null>			leaning, canopy off centre
T0466	Silvertop Ash	<i>Eucalyptus sieberi</i>	33	33	38	19	6	80	2a	4.0	2.2	Retain	<Null>			crowded
T0467	Sydney Peppermint	<i>Eucalyptus piperita</i>	23	23	26	14	5	50	4c	2.8	1.9	Remove	Dangerous tree			exposed wood at 1m, borers in trunk, slight lean
T0468	Cedar Wattle	<i>Acacia elata</i>	32	32	38	19	9	80	2a	3.8	2.2	Retain	<Null>			
T0469	Cedar Wattle	<i>Acacia elata</i>	17	17	26	16	7	70	3a	2.0	1.9	Retain	<Null>			lots sml deadwood
T0470	Sydney Peppermint	<i>Eucalyptus piperita</i>	27	27	31	18	8	70	2a	3.2	2.0	Retain	<Null>			leaning 10deg, canopy off centre

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0471	Sydney Peppermint	<i>Eucalyptus piperita</i>	15,35,27	47	60	19	11	70	2b	5.6	2.7	Retain	<Null>			3x trunks at 0.5m, smallest trunk is dead, poor form
T0472	Silvertop Ash	<i>Eucalyptus sieberi</i>	18	18	23	13	6	80	2a	2.2	1.8	Retain	<Null>			crowded
T0473	Cedar Wattle	<i>Acacia elata</i>	36	36	43	18	9	40	4a	4.3	2.3	Remove	Dangerous tree			dying, 30% canopy left, lots smll & med deadwood
T0474	Cedar Wattle	<i>Acacia elata</i>	12,7	14	19	11	4	75	3a	1.7	1.6	Retain	<Null>			crowded
T0475	Sydney Peppermint	<i>Eucalyptus piperita</i>	34	34	40	18	7	55	4a	4.1	2.3	Remove	Dangerous tree			crowded, suppressed, sparse 25% canopy, poor form
T0476	Dead Stag	Dead Stag	27	27	35	17	7	0	4a	3.2	2.1	Remove	Dangerous tree			
T0477	Silvertop Ash	<i>Eucalyptus sieberi</i>	22	22	27	11	7	70	3b	2.6	1.9	Retain	<Null>			crowded, leaning 15deg, canopy off centre, sparse 25% canopy
T0478	Silvertop Ash	<i>Eucalyptus sieberi</i>	34	34	40	8	11	60	4c	4.1	2.3	Remove	Dangerous tree			very bad lean, leaning on T0479
T0479	Sydney Peppermint	<i>Eucalyptus piperita</i>	60	60	70	22	14	80	2a	7.2	2.8	Retain	<Null>			leaned on by T0478
T0480	Silvertop Ash	<i>Eucalyptus sieberi</i>	27	27	36	12	7	70	2a	3.2	2.2	Retain	<Null>			crowded, canopy off centre
T0481	Dead Stag	Dead Stag	19	19	24	6	3	0	4a	2.3	1.8	Remove	Dangerous tree			
T0482	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	44	22	9	80	2a	4.2	2.3	Retain	<Null>			
T0483	Blue Mountains Ash	<i>Eucalyptus oreades</i>	17	17	25	17	7	85	2a	2.0	1.8	Retain	<Null>			
T0484	Silver Wattle	<i>Acacia dealbata</i>	11,11,8,7,5,5	20	27	6	5	50	4a	2.4	1.9	Remove	Dangerous tree			dying, senescent
T0485	Blue Mountains Ash	<i>Eucalyptus oreades</i>	25	25	31	14	8	90	2a	3.0	2.0	Retain	<Null>			
T0486	Blue Mountains Ash	<i>Eucalyptus oreades</i>	18	18	25	12	5	90	2b	2.2	1.8	Remove	Development			
T0487	Blue Mountains Ash	<i>Eucalyptus oreades</i>	29	29	33	22	8	90	2a	3.5	2.1	Retain	<Null>			
T0488	Blue Mountains Ash	<i>Eucalyptus oreades</i>	13	13	18	17	6	90	2a	1.6	1.6	Retain	<Null>			
T0489	Rough Tree-fern	<i>Cyathea australis</i>	31	31	33	4	2	80	2a	3.7	2.1	Retain	<Null>			
T0490	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	23	13	4	70	3c	2.2	1.8	Retain	<Null>			crowded, suppressed
T0491	Rough Tree-fern	<i>Cyathea australis</i>	27	27	27	3	3	80	2a	3.2	1.9	Retain	<Null>			
T0492	Blue Mountains Ash	<i>Eucalyptus oreades</i>	21	21	24	11	5	80	2a	2.5	1.8	Retain	<Null>			
T0493	Sydney Peppermint	<i>Eucalyptus piperita</i>	36	36	42	18	10	90	2a	4.3	2.3	Retain	<Null>			
T0494	Blue Mountains Ash	<i>Eucalyptus oreades</i>	24	24	28	17	7	65	3c	2.9	1.9	Retain	<Null>			L-shaped trunk at 0-2m, crowded with T0495
T0495	Blue Mountains Ash	<i>Eucalyptus oreades</i>	16	16	24	9	6	65	3c	1.9	1.8	Retain	<Null>			crowded with T0494, poor form, suppressed
T0496	Blue Mountains Ash	<i>Eucalyptus oreades</i>	22	22	29	18	7	80	2a	2.6	2.0	Retain	<Null>			
T0497	Rough Tree-fern	<i>Cyathea australis</i>	26	26	28	5	4	80	2a	3.1	1.9	Retain	<Null>			
T0498	Rough Tree-fern	<i>Cyathea australis</i>	32	32	34	4	5	80	2a	3.8	2.1	Retain	<Null>			
T0499	Mock Olive	<i>Notelea longifolia</i>	17,11,8	22	32	7	6	80	3a	2.6	2.1	Retain	<Null>			
T0500	Rough Tree-fern	<i>Cyathea australis</i>	24	24	24	4	4	80	2a	2.9	1.8	Retain	<Null>			
T0501	Sydney Peppermint	<i>Eucalyptus piperita</i>	14,73	74	90	23	10	85	3c	8.9	3.2	Retain	<Null>			1x sml trunk-exposed wood, main trunk-exposed wood @ base, borers, slight leaning canopy
T0502	Dead Stag	Dead Stag	40	40	50	11	8	0	4a	4.8	2.5	Remove	Dangerous tree			defoliated bark-good for microchiropteran bats, lizards etc

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0503	Rough Tree-fern	<i>Cyathea australis</i>	30	30	40	2	1	90	2a	3.6	2.3	Retain	<Null>			
T0504	Sydney Peppermint	<i>Eucalyptus piperita</i>	102	102	115	19	12	80	3c	12.2	3.5	Retain	<Null>			HT39, sml-med deadwood, exposed wood, borers
T0505	Rough Tree-fern	<i>Cyathea australis</i>	30,27	40	50	3	2	90	2a	4.8	2.5	Retain	<Null>			
T0506	Mock Olive	<i>Notelea longifolia</i>	11,10,8	17	30	9	3	80	2c	2.0	2.0	Retain	<Null>			crowded canopy, suppressed above
T0507	Mock Olive	<i>Notelea longifolia</i>	23	23	25	8	2	85	2a	2.8	1.8	Retain	<Null>			
T0508	Rough Tree-fern	<i>Cyathea australis</i>	30	30	38	4	2	90	2a	3.6	2.2	Retain	<Null>			
T0509	Rough Tree-fern	<i>Cyathea australis</i>	38	38	50	5	2	90	2a	4.6	2.5	Retain	<Null>			crowded
T0510	Rough Tree-fern	<i>Cyathea australis</i>	31	31	36	5	2	90	2a	3.7	2.2	Retain	<Null>			
T0511	Rough Tree-fern	<i>Cyathea australis</i>	34	34	42	5	2	90	2a	4.1	2.3	Retain	<Null>			
T0512	Sweet Pittosporum	<i>Pittosporum undulatum</i>	30,40	50	50	6	3	80	2c	6.0	2.5	Retain	<Null>			sml deadwood, leaning canopy
T0513	Sydney Peppermint	<i>Eucalyptus piperita</i>	24	24	30	11	3	85	2a	2.9	2.0	Retain	<Null>			sml deadwood, leaning canopy
T0514	Sydney Peppermint	<i>Eucalyptus piperita</i>	38	38	42	14	4	90	2a	4.6	2.3	Retain	<Null>			
T0515	Sydney Peppermint	<i>Eucalyptus piperita</i>	38	38	40	17	8	80	2a	4.6	2.3	Retain	<Null>			sml deadwood, crowded
T0516	Liquidambar	<i>Liquidambar styraciflua</i>	27	27	30	15	5	80	3c	3.2	2.0	Retain	<Null>			lots sml deadwood, thin canopy, crowded
T0517	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	22	10	2	5	4a	2.2	1.8	Remove	Dangerous tree			borers, deadwood, suppressed above
T0518	Sydney Peppermint	<i>Eucalyptus piperita</i>	32	32	35	15	9	85	2c	3.8	2.1	Retain	<Null>			leaning canopy, suppressed above
T0519	Dead Stag	Dead Stag	23	23	25	9	2	0	4a	2.8	1.8	Remove	Dangerous tree			dead
T0520	Sydney Peppermint	<i>Eucalyptus piperita</i>	140	140	160	26	15	80	2a	16.8	4.0	Retain	<Null>			sml-med deadwood, leaning canopy
T0521	Sydney Peppermint	<i>Eucalyptus piperita</i>	43,27	51	76	21	8	85	2a	6.1	2.9	Retain	<Null>			sml-med deadwood
T0522	Liquidambar	<i>Liquidambar styraciflua</i>	17	17	19	7	2	65	3c	2.0	1.6	Retain	<Null>			suppressed above, thin canopy, sml deadwood
T0523	Sydney Peppermint	<i>Eucalyptus piperita</i>	58	58	62	20	7	15	4c	7.0	2.7	Remove	Dangerous tree			HT40, exposed wood, borers, lots sml-med deadwood
T0524	Sydney Peppermint	<i>Eucalyptus piperita</i>	44	44	48	22	6	80	3b	5.3	2.4	Retain	<Null>			hollow @ base, borers, kink in trunk @ 1m, sml deadwood
T0525	Sydney Peppermint	<i>Eucalyptus piperita</i>	45,28	53	75	21	6	80	3b	6.4	2.9	Retain	<Null>			1x smaller trunk dying, larger trunk has lots sml-med deadwood
T0526	Sydney Peppermint	<i>Eucalyptus piperita</i>	31	31	38	14	3	10	4a	3.7	2.2	Remove	Dangerous tree			borers, suppressed above
T0527	Sydney Peppermint	<i>Eucalyptus piperita</i>	38,17	42	58	18	4	50	4c	5.0	2.6	Remove	Dangerous tree			exposed wood, borers, sml deadwood
T0528	Sydney Peppermint	<i>Eucalyptus piperita</i>	90	90	100	23	8	70	4c	10.8	3.3	Remove	Dangerous tree			exposed wood, borers, medium deadwood
T0529	Sydney Peppermint	<i>Eucalyptus piperita</i>	42	42	48	23	4	45	4c	5.0	2.4	Remove	Dangerous tree			exposed wood, borers, sml-med deadwood, thin canopy
T0530	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	17	7	5	75	3c	1.8	1.6	Retain	<Null>			leaning canopy, suppressed above
T0531	Sydney Peppermint	<i>Eucalyptus piperita</i>	17	17	19	10	2	75	4c	2.0	1.6	Remove	Dangerous tree			exposed wood, sml deadwood, suppressed above
T0532	Sydney Peppermint	<i>Eucalyptus piperita</i>	26	26	34	12	3	65	4c	3.1	2.1	Remove	Dangerous tree			exposed wood, borers, split in trunk, sml deadwood, suppressed above
T0533	Sydney Peppermint	<i>Eucalyptus piperita</i>	85	85	95	23	10	80	2c	10.2	3.2	Retain	<Null>			lots sml deadwood, 2x medium broken branches
T0534	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,23,55	65	120	22	10	80	2c	7.8	3.6	Retain	<Null>			HT40, sml-med deadwood,
T0535	Liquidambar	<i>Liquidambar styraciflua</i>	28	28	30	15	3	75	3c	3.4	2.0	Retain	<Null>			lots of sml deadwood, reduced canopy, crowded, competition

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T0536	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	23	8	3	25	3a	2.4	1.8	Retain	<Null>			lots sml deadwood, low foliage
T0537	Sydney Peppermint	<i>Eucalyptus piperita</i>	80	80	65	18	6	70	4c	9.6	2.8	Remove	Dangerous tree			exposed wood, lge broken branch, epicormic growth, kink in trunk and split
T0538	Dead Stag	Dead Stag	67	67	75	18	6	10	4a	8.0	2.9	Remove	Dangerous tree			dying canopy, exposed wood @ base, lots sml deadwood, borers
T0539	Sydney Peppermint	<i>Eucalyptus piperita</i>	103	103	110	23	10	70	4c	12.4	3.4	Remove	Dangerous tree			exposed wood, borers, sml-lge deadwood, epicormic growth
T0540	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	28	13	4	70	3c	3.0	1.9	Retain	<Null>			suppressed above, sml deadwood, thin narrow canopy
T0541	Sydney Peppermint	<i>Eucalyptus piperita</i>	54	54	57	23	7	85	2a	6.5	2.6	Retain	<Null>			sml deadwood
T0542	Sydney Peppermint	<i>Eucalyptus piperita</i>	21	21	24	14	5	60	3a	2.5	1.8	Retain	<Null>			suppressed above, leaning canopy, medium deadwood
T0543	Sweet Pittosporum	<i>Pittosporum undulatum</i>	16	16	26	9	3	90	2a	1.9	1.9	Retain	<Null>			
T0544	Sydney Peppermint	<i>Eucalyptus piperita</i>	29	29	37	14	3	70	3b	3.5	2.2	Retain	<Null>			exposed wood at base, epicormic growth, sml deadwood
T0545	Sydney Peppermint	<i>Eucalyptus piperita</i>	110,26	113	160	19	7	70	4c	13.6	4.0	Remove	Dangerous tree			SHT8, exposed wood, hollow base, split trunk, sml-med deadwood
T0546	Sydney Peppermint	<i>Eucalyptus piperita</i>	53,30	61	90	23	8	85	2a	7.3	3.2	Retain	<Null>			sml deadwood
T0547	Dead Stag	Dead Stag	16	16	19	8	0	0	4a	1.9	1.6	Remove	Dangerous tree			dead
T0548	Mock Olive	<i>Notelea longifolia</i>	24,20	31	50	8	3	80	2d	3.7	2.5	Retain	<Null>			broken branch,crowded
T0549	Sweet Pittosporum	<i>Pittosporum undulatum</i>	29	29	30	10	5	85	2a	3.5	2.0	Retain	<Null>			sml deadwood
T0550	Dead Stag	Dead Stag	82	82	95	16	5	0	4a	9.8	3.2	Remove	Dangerous tree			strangled
T0551	Sweet Pittosporum	<i>Pittosporum undulatum</i>	16	16	24	9	7	90	2a	1.9	1.8	Retain	<Null>			
T0552	Sydney Peppermint	<i>Eucalyptus piperita</i>	90	90	130	16	6	25	4a	10.8	3.7	Remove	Dangerous tree			20% tree alive, stressed, epicormic growth, exposed wood in lge cavity at base
T0553	Sydney Peppermint	<i>Eucalyptus piperita</i>	62	62	80	21	11	75	2a	7.4	3.0	Retain	<Null>			med deadwo, smll epicormic growth
T0554	Sydney Peppermint	<i>Eucalyptus piperita</i>	21	21	23	11	6	75	2a	2.5	1.8	Retain	<Null>			smll deadwo
T0555	Sydney Peppermint	<i>Eucalyptus piperita</i>	70	70	76	22	13	50	3c	8.4	2.9	Retain	<Null>			exposed wood at 1m, termites in base, moderate epicormic growth, med deadwo
T0556	Sydney Peppermint	<i>Eucalyptus piperita</i>	67	67	80	23	13	70	4c	8.0	3.0	Remove	Dangerous tree			lg deadwood, cavity in trunk at 1m
T0557	Sweet Pittosporum	<i>Pittosporum undulatum</i>	17	17	32	12	11	80	2a	2.0	2.1	Retain	<Null>			smll deadwood
T0558	Dead Stag	Dead Stag	34	34	46	5	1	0	4a	4.1	2.4	Remove	Dangerous tree			
T0559	Sydney Peppermint	<i>Eucalyptus piperita</i>	82	82	92	18	10	25	4c	9.8	3.2	Remove	Dangerous tree			cavity 0-1m, exposed wood 0-2m, lots epicormic growth, leaning 15deg, termites in base, lg deadwood
T0560	Sweet Pittosporum	<i>Pittosporum undulatum</i>	22	22	25	8	5	80	2a	2.6	1.8	Retain	<Null>			smll deadwood, exposed wood at 2m where limb removed, epicormic growth 1-3m
T0561	Sydney Peppermint	<i>Eucalyptus piperita</i>	39	39	50	16	10	65	2c	4.7	2.5	Retain	<Null>			exposed wood at base, leaning 15deg, canopy off centre, small deadwood
T0562	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	50	20	7	60	4c	4.8	2.5	Remove	Dangerous tree			leaning 35deg, canopy off centre, smll and sparse canopy, smll deadwood
T0563	Christmas Bush	<i>Ceratopetalum gummiferum</i>	13	13	17	12	3	85	2a	1.6	1.6	Retain	<Null>			small deadwood
T0564	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	23	23	30	8	3	50	4c	2.8	2.0	Remove	Dangerous tree			trunk at 50deg, smll deadwood, smll canopy, deformed trunk, exposed wood at 1m

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T0565	Lemon Scented Tea-tree	<i>Leptospermum polygalifolium</i>	16,23,16,8,10	35	40	6	5	55	3a	4.2	2.3	Retain	<Null>			smll deadwood
T0566	Sydney Peppermint	<i>Eucalyptus piperita</i>	44	44	60	12	8	75	3b	5.3	2.7	Retain	<Null>			trunk at 30deg, smll med deadwood
T0567	Silvertop Ash	<i>Eucalyptus sieberi</i>	26	26	30	18	7	85	2a	3.1	2.0	Retain	<Null>			small deadwood
T0568	Silvertop Ash	<i>Eucalyptus sieberi</i>	16	16	20	12	3	90	2a	1.9	1.7	Remove	APZ			crowded
T0569	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,40	50	80	17	20	75	2a	6.0	3.0	Retain	<Null>			smll med deadwood, leaning, sparse canopy
T0570	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	18	18	25	9	6	10	4a	2.2	1.8	Remove	Dangerous tree			smll med deadwood, very small sparse canopy off centre
T0571	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	27	27	40	15	7	60	3c	3.2	2.3	Retain	<Null>			smll med deadwood, canopy off centre, sparse, trunk at 15deg
T0572	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	24	24	35	11	8	70	2c	2.9	2.1	Retain	<Null>			canopy off centre, small deadwood
T0573	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	22	22	30	9	4	55	2c	2.6	2.0	Retain	<Null>			small deadwood, canopy off centre, crowded
T0574	Sydney Peppermint	<i>Eucalyptus piperita</i>	42,13	44	70	18	12	75	4c	5.3	2.8	Remove	Dangerous tree			trunk at 45deg, smll med deadwood, exposed wood at 1m
T0575	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	15	7	65	2a	3.0	2.0	Retain	<Null>			smll med deadwood, small canopy
T0576	Sydney Peppermint	<i>Eucalyptus piperita</i>	40,18	44	100	10	6	25	4a	5.3	3.3	Remove	Dangerous tree			exposed wood 0-2m, large deadwood, termite damage, canopy off centre
T0577	Sydney Peppermint	<i>Eucalyptus piperita</i>	12	12	15	8	5	90	2c	1.4	1.5	Retain	<Null>			canopy off centre
T0578	Sydney Peppermint	<i>Eucalyptus piperita</i>	37	37	55	18	12	80	2a	4.4	2.6	Retain	<Null>			small deadwood
T0579	Broad-leaved Hakea	<i>Hakea dactyloides</i>	12	12	30	7	5	75	2a	1.4	2.0	Retain	<Null>			small deadwood, crowded,
T0580	Sydney Peppermint	<i>Eucalyptus piperita</i>	46,20	50	80	20	14	80	2a	6.0	3.0	Retain	<Null>			small med deadwood, canopy off centre, smaller trunk at 15deg
T0581	Silvertop Ash	<i>Eucalyptus sieberi</i>	26	26	36	17	5	75	2a	3.1	2.2	Retain	<Null>			trunk at 20deg, smll med deadwood, crowded
T0582	Sydney Peppermint	<i>Eucalyptus piperita</i>	22,12	25	40	12	8	75	3a	3.0	2.3	Retain	<Null>			smll med deadwood, canopy off centre, exposed wood at 1m 3m
T0583	Dead Stag	Dead Stag	15	15	18	5	1	0	4a	1.8	1.6	Remove	Dangerous tree			
T0584	Silvertop Ash	<i>Eucalyptus sieberi</i>	23	23	40	15	7	80	2c	2.8	2.3	Retain	<Null>			small deadwood, trunk at 30deg, sparse canopy
T0585	Dead Stag	Dead Stag	17,15	23	40	10	3	0	4a	2.7	2.3	Remove	Dangerous tree			
T0586	Hairpin Banksia	<i>Banksia spinulosa</i>	14	14	20	5	5	55	4e	1.7	1.7	Remove	Dangerous tree			trunk at 45deg, exposed wood at base 1m, lots smll deadwood
T0587	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	27	27	30	18	6	75	2a	3.2	2.0	Retain	<Null>			trunk at 15deg, smll med deadwood
T0588	Broad-leaved Hakea	<i>Hakea dactyloides</i>	12	12	15	8	3	60	4c	1.4	1.5	Remove	Dangerous tree			trunk at 45deg, lots smll deadwood, crowded
T0589	Sydney Peppermint	<i>Eucalyptus piperita</i>	23,13	26	40	15	9	60	3d	3.2	2.3	Retain	<Null>			main trunk exposed wood at 0-2m, termites, secondary trunk ok, sparse canopy
T0590	Broad-leaved Hakea	<i>Hakea dactyloides</i>	11	11	15	7	5	65	2a	1.3	1.5	Retain	<Null>			small deadwood, crowded
T0591	Sydney Peppermint	<i>Eucalyptus piperita</i>	34	34	40	18	7	65	3c	4.1	2.3	Retain	<Null>			exposed wood at 2m
T0592	Dead Stag	Dead Stag	20	20	25	8	3	0	4a	2.4	1.8	Remove	Dangerous tree			dead
T0593	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	18	9	6	80	2a	1.7	1.6	Retain	<Null>			canopy off centre, smll kino
T0594	Sweet Pittosporum	<i>Pittosporum undulatum</i>	12	12	15	6	7	80	2a	1.4	1.5	Retain	<Null>			
T0595	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	14	6	55	3c	3.0	2.0	Retain	<Null>			small deadwood, canopy off centre, sparse

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0596	Sydney Peppermint	<i>Eucalyptus piperita</i>	21,20	29	40	12	9	80	2a	3.5	2.3	Retain	<Null>			trunk at 15deg
T0597	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	47	47	60	22	10	65	2a	5.6	2.7	Retain	<Null>			sml med deadwood, epicormic growth
T0598	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	40	18	6	50	4c	3.0	2.3	Remove	Dangerous tree			exposed wood at 0-2m, med deadwood, crowded
T0599	Dead Stag	Dead Stag	50	50	55	23	15	0	4a	6.0	2.6	Remove	Dangerous tree			
T0600	Sweet Pittosporum	<i>Pittosporum undulatum</i>	11	11	15	8	5	90	2a	1.3	1.5	Retain	<Null>			
T0601	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	50	50	53	21	9	80	2a	6.0	2.5	Retain	<Null>			epicormic growth, sml deadwood,
T0602	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	48	48	55	22	8	85	2a	5.8	2.6	Retain	<Null>			sml deadwood
T0603	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	45	17	9	80	2a	4.2	2.4	Retain	<Null>			sml deadwood, leaning canopy
T0604	Silvertop Ash	<i>Eucalyptus sieberi</i>	47	47	55	14	7	80	4c	5.6	2.6	Remove	Dangerous tree			leaning 45 degrees, sml deadwood, suppressed above, sparse canopy
T0605	Sydney Peppermint	<i>Eucalyptus piperita</i>	78,13,15	80	110	22	13	85	2a	9.7	3.4	Retain	<Null>			sml deadwood
T0606	Sydney Peppermint	<i>Eucalyptus piperita</i>	32,36	48	80	16	5	80	3c	5.8	3.0	Retain	<Null>			1xtrunk broken, canopy off centre, sparse canopy
T0607	Sydney Peppermint	<i>Eucalyptus piperita</i>	37	37	35	17	5	80	3c	4.4	2.1	Retain	<Null>			leaning canopy, broken branches, sml deadwood
T0608	Sydney Peppermint	<i>Eucalyptus piperita</i>	21	21	30	16	3	80	2c	2.5	2.0	Retain	<Null>			canopy offcentre, sml deadwood, suppressed above
T0609	Silvertop Ash	<i>Eucalyptus sieberi</i>	15	15	17	8	2	65	3c	1.8	1.6	Retain	<Null>			suppressed above, leaning 45 degrees,lots sml deadwood
T0610	Sydney Peppermint	<i>Eucalyptus piperita</i>	52,108,22	122	165	23	16	80	2c	14.6	4.1	Retain	<Null>	V2		sml-med deadwood,epicormic growth
T0611	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	25	8	2	45	4c	1.8	1.8	Remove	Dangerous tree			exposed wood, borers, sml deadwood
T0612	Heath-leaved Banksia	<i>Banksia ericifolia</i>	17	17	24	2	3	80	4c	2.0	1.8	Remove	Dangerous tree			exposed wood, heavily leaning canopy, borers
T0613	Dead Stag	Dead Stag	17	17	20	9	0	0	4a	2.0	1.7	Remove	Dangerous tree			
T0614	Sydney Peppermint	<i>Eucalyptus piperita</i>	27	27	40	14	4	80	2c	3.2	2.3	Retain	<Null>			epicormic growth, sml deadwood
T0615	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	22	22	30	13	0	5	4a	2.6	2.0	Remove	Dangerous tree			dying canopy, lots sml deadwood, crowded
T0616	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	42	14	5	85	2c	4.2	2.3	Retain	<Null>			sml deadwood, leaning canopy
T0617	Sydney Peppermint	<i>Eucalyptus piperita</i>	49,40	63	120	17	13	80	4c	7.6	3.6	Remove	Dangerous tree			leaning canopy >45, medium deadwood, exposed wood
T0618	Sydney Peppermint	<i>Eucalyptus piperita</i>	18,27,14	35	48	16	6	80	2a	4.2	2.4	Retain	<Null>			crowded, sml deadwood
T0619	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	25	25	40	15	5	85	2c	3.0	2.3	Retain	<Null>			lots sml deadwood, crowded canopy- leaning
T0620	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	29	9	6	75	4c	3.0	2.0	Remove	Dangerous tree			leaning canopy >45, sml deadwood, sparse foliage
T0621	Dead Stag	Dead Stag	18	18	23	4	0	0	4a	2.2	1.8	Remove	Dangerous tree			
T0622	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	30	30	34	13	4	75	2c	3.6	2.1	Retain	<Null>			suppressed above, sml deadwood, crowded
T0623	Old Man Banksia	<i>Banksia serrata</i>	14,14	20	16	5	4	80	3c	2.4	1.5	Retain	<Null>			exposed wood, sml deadwood,
T0624	Silvertop Ash	<i>Eucalyptus sieberi</i>	42	42	48	23	6	85	2a	5.0	2.4	Retain	<Null>			crowded, sparse foliage,
T0625	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	26	10	3	70	3c	1.9	1.9	Retain	<Null>			suppressed above,sml deadwood,sparse canopy
T0626	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	34	34	39	14	3	10	4a	4.1	2.2	Remove	Dangerous tree			dying canopy, lots sml-med deadwood,crowded
T0627	Silvertop Ash	<i>Eucalyptus sieberi</i>	37	37	40	14	5	85	3b	4.4	2.3	Retain	<Null>			leaning canopy >45 degrees,sml

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																deadwood
T0628	Silvertop Ash	<i>Eucalyptus sieberi</i>	38,15	41	42	17	6	85	3c	4.9	2.3	Retain	<Null>			leaning canopy,medium deadwood,crowded canopy
T0629	Silvertop Ash	<i>Eucalyptus sieberi</i>	29	29	33	8	6	80	3b	3.5	2.1	Retain	<Null>			heavily leaning canopy,suppressed above
T0630	Silvertop Ash	<i>Eucalyptus sieberi</i>	28	28	30	10	7	85	3b	3.4	2.0	Retain	<Null>			heavily leaning canopy,sml deadwood,suppressed above
T0631	Dead Stag	Dead Stag	51	51	62	11	0	0	4a	6.1	2.7	Remove	Dangerous tree			
T0632	Silvertop Ash	<i>Eucalyptus sieberi</i>	24	24	28	13	4	10	4a	2.9	1.9	Remove	Dangerous tree			dead canopy, heavily leaning,lots sml deadwood
T0633	Sydney Peppermint	<i>Eucalyptus piperita</i>	56	56	65	19	8	75	4c	6.7	2.8	Remove	Dangerous tree			exposed wood,kink in trunk @ base,borers,lots sml deadwood
T0634	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	20	10	3	60	4a	1.8	1.7	Remove	Dangerous tree			exposed wood,suppressed above,sml deadwood
T0635	Silvertop Ash	<i>Eucalyptus sieberi</i>	24	24	33	16	5	85	2a	2.9	2.1	Retain	<Null>			leaning canopy,crowded
T0636	Sydney Peppermint	<i>Eucalyptus piperita</i>	22	22	24	15	4	80	2c	2.6	1.8	Retain	<Null>			sparse canopy,crowded,sml deadwood
T0637	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	20	10	5	60	3b	2.2	1.7	Retain	<Null>			leaning canopy 45 degrees, suppressed above
T0638	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	44,21	49	62	17	8	80	3c	5.9	2.7	Retain	<Null>			broken branches,kink in trunk @7m,sml-med deadwood,crowded
T0639	Hairpin Banksia	<i>Banksia spinulosa</i>	19	19	21	3	4	90	2a	2.3	1.7	Retain	<Null>			sml deadwood
T0640	Sydney Peppermint	<i>Eucalyptus piperita</i>	21	21	30	16	3	75	2c	2.5	2.0	Retain	<Null>			crowded canopy,sml deadwood,competition
T0641	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	20	15	3	80	2a	2.2	1.7	Retain	<Null>			sml deadwood
T0642	Dead Stag	Dead Stag	35	35	37	6	5	0	4a	4.2	2.2	Remove	Dangerous tree			hollow stag!
T0643	Sydney Peppermint	<i>Eucalyptus piperita</i>	17	17	18	3	5	10	4c	2.0	1.6	Remove	Dangerous tree			leaning canopy >45degrees, dead foliage
T0644	Sydney Peppermint	<i>Eucalyptus piperita</i>	83	83	105	20	10	75	3b	10.0	3.4	Retain	<Null>			exposed wood,leaning,canopy offcentre,sml-med deadwood,sparse canopy
T0645	Sydney Peppermint	<i>Eucalyptus piperita</i>	46	46	50	20	10	85	2a	5.5	2.5	Retain	<Null>			sml deadwood,slight leaning
T0646	Silvertop Ash	<i>Eucalyptus sieberi</i>	31	31	40	15	8	80	2c	3.7	2.3	Retain	<Null>			kink in trunk @3m,sml deadwood,slight leaning
T0647	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	26	11	4	65	4c	3.0	1.9	Remove	Dangerous tree			leaning canopy >45degrees,lots sml deadwood,sparse canopy
T0648	Sydney Peppermint	<i>Eucalyptus piperita</i>	80	80	95	23	12	75	3c	9.6	3.2	Retain	<Null>			sml-lge deadwood,thin canopy,crowded
T0649	Silvertop Ash	<i>Eucalyptus sieberi</i>	33	33	40	11	6	65	4c	4.0	2.3	Remove	Dangerous tree			leaning canopy >45degrees,sml deadwood,suppressed above
T0650	Sydney Peppermint	<i>Eucalyptus piperita</i>	21	21	24	9	3	75	3c	2.5	1.8	Retain	<Null>			kink in trunk,suppressed above,sml deadwood,crowded
T0651	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	90	90	100	23	10	85	2a	10.8	3.3	Retain	<Null>			sml-med deadwood,crowded
T0652	Sydney Peppermint	<i>Eucalyptus piperita</i>	28	28	34	14	3	80	2c	3.4	2.1	Retain	<Null>			suppressed above,sml deadwood
T0653	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	19	8	2	70	4c	1.8	1.6	Remove	Dangerous tree			exposed wood,borers, sml deadwood,suppressed above
T0654	Sydney Peppermint	<i>Eucalyptus piperita</i>	124	124	170	23	11	80	3c	14.9	4.1	Retain	<Null>			exposed wood @base,medium deadwood,
T0655	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	30	30	32	17	4	85	2a	3.6	2.1	Remove	APZ			sml deadwood
T0656	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	17	14	3	85	2a	1.8	1.6	Remove	APZ			crowded,sml deadwood
T0657	Dead Stag	Dead Stag	16	16	16	9	0	0	4a	1.9	1.5	Remove	Dangerous tree			

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T0658	Black Wattle	<i>Callicoma serratifolia</i>	20	20	28	6	5	85	2a	2.4	1.9	Retain	<Null>			
T0659	Black Wattle	<i>Callicoma serratifolia</i>	26,18,15,9	36	55	9	7	90	2a	4.3	2.6	Retain	<Null>			crowded
T0660	Black Wattle	<i>Callicoma serratifolia</i>	16,11,17	26	50	9	6	90	2a	3.1	2.5	Remove	APZ			sml deadwood
T0661	Sydney Peppermint	<i>Eucalyptus piperita</i>	43	43	70	11	6	75	4c	5.2	2.8	Remove	Dangerous tree			exposed wood,borers,leaning canopy>45degrees
T0662	Old Man Banksia	<i>Banksia serrata</i>	15	15	14	5	4	80	3c	1.8	1.4	Remove	APZ			sml dead,suppressed above,exposed wood
T0663	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	28,11	30	32	14	5	75	4c	3.6	2.1	Remove	Dangerous tree			exposed wood,borers,leaning canopy>45degrees,sml deadwood
T0664	Old Man Banksia	<i>Banksia serrata</i>	20	20	30	6	4	90	2a	2.4	2.0	Remove	APZ			
T0665	Sydney Peppermint	<i>Eucalyptus piperita</i>	73	73	87	23	8	75	4c	8.8	3.1	Remove	Dangerous tree			exposed wood,borers,leaning trunk @base,sml-med deadwood
T0666	Silvertop Ash	<i>Eucalyptus sieberi</i>	39	39	50	14	6	30	4a	4.7	2.5	Remove	Dangerous tree			dying canopy, leaning,lots sml deadwood,exposed wood
T0667	Sydney Peppermint	<i>Eucalyptus piperita</i>	23	23	25	15	5	90	2a	2.8	1.8	Remove	APZ			sml deadwood
T0668	Sydney Peppermint	<i>Eucalyptus piperita</i>	19	19	22	12	4	85	2a	2.3	1.8	Remove	APZ			sml deadwood
T0669	Sydney Peppermint	<i>Eucalyptus piperita</i>	46,30	55	85	20	10	70	4c	6.6	3.1	Remove	Dangerous tree			exposed wood,borers,crowded,competition,sml deadwood
T0670	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	19	13	3	80	2c	1.9	1.6	Remove	APZ			crowded,narrow canopy
T0671	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	25	25	27	10	2	20	4a	3.0	1.9	Remove	Dangerous tree			dying canopy,sml deadwood,crowded,suppressed above
T0672	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	15	15	17	7	2	25	4a	1.8	1.6	Remove	Dangerous tree			suppressed above,dying canopy,leaning
T0673	Sydney Peppermint	<i>Eucalyptus piperita</i>	61	61	70	20	10	80	2a	7.3	2.8	Retain	<Null>			sml-med deadwood
T0674	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	35	14	6	85	2a	3.6	2.1	Retain	<Null>			crowded,canopy offcentre,sml deadwood
T0675	Sydney Peppermint	<i>Eucalyptus piperita</i>	29	29	32	10	3	75	2c	3.5	2.1	Retain	<Null>			suppressed above,leaning canopy
T0676	Sydney Peppermint	<i>Eucalyptus piperita</i>	80	80	85	26	12	90	2a	9.6	3.1	Retain	<Null>			slight leaning, sml-medium deadwood
T0677	Sydney Peppermint	<i>Eucalyptus piperita</i>	38,30,20	52	75	20	13	80	3b	6.3	2.9	Retain	<Null>			1xtrunk with leaning canopy>45degrees,lots sml-med deadwood
T0678	Dead Stag	Dead Stag	19	19	23	13	2	0	4a	2.3	1.8	Remove	Dangerous tree			
T0679	Dead Stag	Dead Stag	20	20	26	13	2	0	4a	2.4	1.9	Remove	Dangerous tree			
T0680	Sydney Peppermint	<i>Eucalyptus piperita</i>	31	31	36	19	6	85	2a	3.7	2.2	Remove	APZ			sml deadwood,crowded
T0681	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	28	28	30	13	3	75	3b	3.4	2.0	Remove	APZ			exposed wood,sml deadwood,canopy offcentre
T0682	Sydney Peppermint	<i>Eucalyptus piperita</i>	32	32	35	16	4	80	2a	3.8	2.1	Remove	APZ			crowded,narrow canopy,sml deadwood
T0683	Sydney Peppermint	<i>Eucalyptus piperita</i>	28,14,16	35	54	14	3	60	3b	4.2	2.6	Remove	APZ			1xtrunk dead,lots sml deadwood,
T0684	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	24	15	4	80	2c	2.4	1.8	Remove	APZ			sml deadwood,canopy offcentre
T0685	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	32	17	5	75	3c	3.6	2.1	Remove	APZ			epicormic growth,canopy offcentre,sml exposed wood
T0686	Sydney Peppermint	<i>Eucalyptus piperita</i>	41	41	15	21	8	70	4c	4.9	1.5	Remove	Dangerous tree			exposed wood,medium deadwood,epicormic growth,borers
T0687	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	28	16	3	80	3c	2.2	1.9	Remove	APZ			crowded,sml deadwood,narrow canopy
T0688	Sydney Peppermint	<i>Eucalyptus piperita</i>	31	31	28	12	2	40	4c	3.7	1.9	Remove	Dangerous tree			exposed wood from base up to 1.6m,suppressed above,borers
T0689	Sydney Peppermint	<i>Eucalyptus piperita</i>	21	21	29	16	4	85	2a	2.5	2.0	Remove	APZ			crowded

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T0690	Sweet Pittosporum	<i>Pittosporum undulatum</i>	17	17	26	10	5	90	2a	2.0	1.9	Remove	APZ			crowded
T0691	Christmas Bush	<i>Ceratopetalum gummiferum</i>	31	31	55	18	0	11	2a	3.7	2.6	Remove	Development			crowded below,sml deadwood
T0692	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	15	8	4	75	4c	1.9	1.5	Remove	Dangerous tree			canopy leaning >45degrees,epicormic growth,sml deadwood
T0693	Sydney Peppermint	<i>Eucalyptus piperita</i>	19	19	23	15	3	75	3c	2.3	1.8	Remove	APZ			suppressed above,sml deadwood
T0694	Sydney Peppermint	<i>Eucalyptus piperita</i>	54	54	63	21	10	85	2a	6.5	2.7	Remove	APZ			sml deadwood
T0695	Sydney Peppermint	<i>Eucalyptus piperita</i>	33	33	35	18	7	85	2a	4.0	2.1	Remove	APZ			sml deadwood,canopy offcentre,suppressed above
T0696	Sydney Peppermint	<i>Eucalyptus piperita</i>	14	14	16	9	1	30	4a	1.7	1.5	Remove	Dangerous tree			no canopy,suppressed,lots sml deadwood
T0697	Sydney Peppermint	<i>Eucalyptus piperita</i>	27	27	30	17	4	80	2a	3.2	2.0	Remove	APZ			crowded canopy,sml-med deadwood
T0698	Sydney Peppermint	<i>Eucalyptus piperita</i>	58	58	64	20	10	90	2a	7.0	2.7	Remove	APZ			sml-medium deadwood
T0699	Sydney Peppermint	<i>Eucalyptus piperita</i>	46	46	52	22	8	80	2a	5.5	2.5	Retain	<Null>			sml-med deadwood,slight leaning canopy
T0700	Sydney Peppermint	<i>Eucalyptus piperita</i>	45	45	50	14	7	85	3b	5.4	2.5	Retain	<Null>			leaning canopy >45degrees,sml-med deadwood,
T0701	Sydney Peppermint	<i>Eucalyptus piperita</i>	14	14	25	13	4	80	2b	1.7	1.8	Remove	Development			trunk at 20deg, canopy off centre, crowded, small canopy
T0702	Sweet Pittosporum	<i>Pittosporum undulatum</i>	25	25	27	12	6	80	2a	3.0	1.9	Remove	APZ			
T0703	Sweet Pittosporum	<i>Pittosporum undulatum</i>	32	32	34	12	8	75	2a	3.8	2.1	Remove	APZ			
T0704	Mock Olive	<i>Notelea longifolia</i>	11,11,11,12	23	20	10	7	90	2a	2.7	1.7	Remove	APZ			add det
T0705	Dead Stag	Dead Stag	12	12	14	8	3	0	4a	1.4	1.4	Remove	Dangerous tree			
T0706	Rough Tree-fern	<i>Cyathea australis</i>	34	34	40	5	5	70	2a	4.1	2.3	Retain	<Null>			
T0707	Dead Stag	Dead Stag	18	18	20	7	1	0	4a	2.2	1.7	Remove	Dangerous tree			
T0708	Rough Tree-fern	<i>Cyathea australis</i>	19	19	20	4	4	65	2a	2.3	1.7	Retain	<Null>			
T0709	Rough Tree-fern	<i>Cyathea australis</i>	25	25	26	8	7	70	2a	3.0	1.9	Retain	<Null>			
T0710	Dead Stag	Dead Stag	13	13	14	3	1	0	4a	1.6	1.4	Remove	Dangerous tree			dead stag
T0711	Old Man Banksia	<i>Banksia serrata</i>	10	10	20	5	2	50	4e	1.2	1.7	Remove	Dangerous tree			cracks at base, rotten wood at 1m, small deadwood, crowded
T0712	Dead Stag	Dead Stag	14	14	18	6	1	0	4a	1.7	1.6	Remove	Dangerous tree			
T0713	Blueberry Ash	<i>Elaeocarpus reticulatus</i>	11	11	14	3	5	90	4c	1.3	1.4	Remove	Dangerous tree			trunk at 45deg
T0714	Old Man Banksia	<i>Banksia serrata</i>	20	20	30	7	3	50	4c	2.4	2.0	Remove	Dangerous tree			trunk at 45deg, bark split at base, crowded
T0715	Dead Stag	Dead Stag	36	36	40	18	8	0	4a	4.3	2.3	Remove	Dangerous tree			
T0716	Sweet Pittosporum	<i>Pittosporum undulatum</i>	14	14	20	9	6	90	2a	1.7	1.7	Remove	APZ			
T0717	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	25	13	8	65	4c	1.8	1.8	Remove	Dangerous tree			trunk at 45deg, lifting on uphill side, cracks at base
T0718	Rough Tree-fern	<i>Cyathea australis</i>	29	29	35	4	5	80	2a	3.5	2.1	Remove	APZ			
T0719	Old Man Banksia	<i>Banksia serrata</i>	14	14	18	5	3	65	3b	1.7	1.6	Remove	APZ			trunk at 45deg, sml deadwood, canopy off centre
T0720	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	25	25	30	12	10	65	4d	3.0	2.0	Remove	Dangerous tree			trunk at 45deg, lifted on uphill side, damaged by t0721
T0721	Silvertop Ash	<i>Eucalyptus sieberi</i>	23	23	35	6	8	5	4d	2.8	2.1	Remove	Dangerous tree			fallen, trunk at 80deg, alive

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T0722	Broad-leaved Hakea	<i>Hakea dactyloides</i>	14	14	20	6	3	50	4d	1.7	1.7	Remove	Dangerous tree			trunk at 45deg, damaged by t0721, smll med deadwood
T0723	Sydney Peppermint	<i>Eucalyptus piperita</i>	58	58	75	18	14	60	4c	7.0	2.9	Remove	Dangerous tree			lg rotten hollow at base, exposed wood at 4m, med deadwood
T0724	Dead Stag	Dead Stag	20	20	30	13	5	0	4a	2.4	2.0	Remove	Dangerous tree			
T0725	Sydney Peppermint	<i>Eucalyptus piperita</i>	17	17	25	12	7	50	4c	2.0	1.8	Remove	Dangerous tree			exposed wood at 1m, rotten at 1m, sparse canopy, suppressed
T0726	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	30	12	5	70	4c	2.4	2.0	Remove	Dangerous tree			hollow at base, smll canopy, med deadwood
T0727	Sydney Peppermint	<i>Eucalyptus piperita</i>	11	11	15	6	4	60	2a	1.3	1.5	Remove	APZ			small deadwood, canopy offcentre
T0728	Silvertop Ash	<i>Eucalyptus sieberi</i>	33	33	55	17	9	75	2d	4.0	2.6	Remove	APZ			secondary trunk with exposed wood and rot, main trunk ok
T0729	Old Man Banksia	<i>Banksia serrata</i>	14	14	25	5	4	70	2a	1.7	1.8	Remove	APZ			
T0730	Old Man Banksia	<i>Banksia serrata</i>	15	15	20	5	4	70	4c	1.8	1.7	Remove	Dangerous tree			trunk at 45deg, canopy off centre
T0731	Old Man Banksia	<i>Banksia serrata</i>	20	20	26	6	5	75	3b	2.4	1.9	Retain	<Null>			bark split and exposed wood at base, smll deadwood
T0732	Old Man Banksia	<i>Banksia serrata</i>	13	13	17	6	4	65	4c	1.6	1.6	Remove	Dangerous tree			ant nest in wood at base, trunk probably rotten
T0733	Old Man Banksia	<i>Banksia serrata</i>	18	18	30	7	4	65	3c	2.2	2.0	Retain	<Null>			trunk at 15deg, bark split at base and 3m
T0734	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	32	14	5	65	2d	3.0	2.1	Retain	<Null>			med deadwood, small canopy
T0735	Old Man Banksia	<i>Banksia serrata</i>	14	14	30	6	5	75	2a	1.7	2.0	Retain	<Null>			smll deadwood
T0736	Black Wattle	<i>Callicoma serratifolia</i>	13	13	18	6	4	75	4c	1.6	1.6	Remove	Dangerous tree			trunk at 45deg
T0737	Black Wattle	<i>Callicoma serratifolia</i>	10	10	14	7	4	80	2a	1.2	1.4	Remove	APZ			
T0738	Dead Stag	Dead Stag	18	18	20	7	1	0	4a	2.2	1.7	Remove	Dangerous tree			
T0739	Old Man Banksia	<i>Banksia serrata</i>	22	22	35	7	4	65	3c	2.6	2.1	Remove	APZ			exposed wood at 2m, smll deadwood
T0740	Sweet Pittosporum	<i>Pittosporum undulatum</i>	11	11	14	8	5	80	2a	1.3	1.4	Remove	APZ			
T0741	Black Wattle	<i>Callicoma serratifolia</i>	15	15	20	8	4	75	2a	1.8	1.7	Remove	APZ			
T0742	Silvertop Ash	<i>Eucalyptus sieberi</i>	11	11	15	9	4	90	2a	1.3	1.5	Remove	APZ			
T0743	Christmas Bush	<i>Ceratopetalum gummiferum</i>	10	10	13	7	2	75	3a	1.2	1.4	Remove	APZ			crowded
T0744	Sydney Peppermint	<i>Eucalyptus piperita</i>	58,62	85	80	22	12	40	4c	10.2	3.0	Remove	Dangerous tree			35% canopy alive larger trunk dead, live trunk 35cm aperture at 1.5m - hollow trunk, large deadwood
T0745	Dead Stag	Dead Stag	21	21	25	9	7	0	4a	2.5	1.8	Remove	Dangerous tree			
T0746	Christmas Bush	<i>Ceratopetalum gummiferum</i>	16	16	21	11	3	75	3a	1.9	1.7	Remove	APZ			crowded
T0747	Old Man Banksia	<i>Banksia serrata</i>	10	10	13	7	4	70	3a	1.2	1.4	Remove	APZ			crowded
T0748	Old Man Banksia	<i>Banksia serrata</i>	14,27	30	41	8	8	40	4c	3.6	2.3	Remove	Dangerous tree			bent 60deg at 0m, smaller trunk split at 1m, uprooted
T0749	Sydney Peppermint	<i>Eucalyptus piperita</i>	14	14	18	9	7	60	4c	1.7	1.6	Remove	Dangerous tree			2x 90deg bends at 1m, poor form, canopy off centre
T0750	Dead Stag	Dead Stag	14	14	16	7	4	0	4a	1.7	1.5	Remove	Dangerous tree			
T0751	Sydney Peppermint	<i>Eucalyptus piperita</i>	29,50	58	84	20	8	45	4c	6.9	3.1	Remove	Dangerous tree			exposed wood,borers,lots of epicormic growth,dead canopy on the lge trunk,sml deadwood
T0752	Silvertop Ash	<i>Eucalyptus sieberi</i>	42	42	46	18	2	35	4a	5.0	2.4	Remove	Dangerous tree			exposed wood,borers,lots of epicormic growth,sml-med deadwood

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T0753	Sydney Peppermint	<i>Eucalyptus piperita</i>	116	116	136	22	13	90	2a	13.9	3.8	Retain	<Null>			sml deadwood
T0754	Silvertop Ash	<i>Eucalyptus sieberi</i>	23,31	39	56	13	6	80	2a	4.6	2.6	Retain	<Null>			suppressed above,canopy offcentre
T0755	Sydney Peppermint	<i>Eucalyptus piperita</i>	51,30,28	65	43	16	6	85	2a	7.9	2.3	Retain	<Null>			sml deadwood,crowded canopy
T0756	Sydney Peppermint	<i>Eucalyptus piperita</i>	60	60	64	23	10	80	2c	7.2	2.7	Remove	APZ			lots sml-medium deadwood,canopy offcentre
T0757	Dead Stag	Dead Stag	16	16	18	10	0	0	4a	1.9	1.6	Remove	Dangerous tree			
T0758	Silvertop Ash	<i>Eucalyptus sieberi</i>	70	70	80	26	11	85	2a	8.4	3.0	Remove	APZ			sml-lge deadwood
T0759	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	44	20	9	80	2c	4.8	2.3	Remove	APZ			canopy offcentre,suppressed above,sm-med deadwood
T0760	Sydney Peppermint	<i>Eucalyptus piperita</i>	32	32	36	17	6	80	2c	3.8	2.2	Remove	APZ			suppressed above,epicormic growth,sml deadwood
T0761	Sydney Peppermint	<i>Eucalyptus piperita</i>	34	34	44	17	7	80	2c	4.1	2.3	Remove	APZ			sml-medium deadwood,canopy offcentre,competition
T0762	Silvertop Ash	<i>Eucalyptus sieberi</i>	23	23	25	12	3	80	3c	2.8	1.8	Remove	APZ			canopy offcentre,suppressed above
T0763	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	22	14	2	75	3c	1.8	1.8	Remove	APZ			sparse canopy,lots sml deadwood
T0764	Old Man Banksia	<i>Banksia serrata</i>	13	13	35	4	3	65	3c	1.6	2.1	Remove	APZ			canopy offcentre, small deadwood
T0765	Sydney Peppermint	<i>Eucalyptus piperita</i>	16,18,14	28	40	12	5	45	4a	3.3	2.3	Remove	Dangerous tree			med lg deadwood, epicormic growth, small canopy
T0766	Sydney Peppermint	<i>Eucalyptus piperita</i>	21	21	25	14	4	65	3c	2.5	1.8	Remove	APZ			sml canopy, epicormic growth, crowded
T0767	Sydney Peppermint	<i>Eucalyptus piperita</i>	46,15	48	55	15	8	65	2d	5.8	2.6	Remove	APZ			med lge deadwood
T0768	Sydney Peppermint	<i>Eucalyptus piperita</i>	29	29	30	14	3	65	3c	3.5	2.0	Remove	APZ			trunk at 15deg, small canopy, crowded
T0769	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	20	7	2	55	3c	1.8	1.7	Remove	APZ			sml canopy, sml med deadwood
T0770	Sydney Peppermint	<i>Eucalyptus piperita</i>	33	33	40	18	7	70	3c	4.0	2.3	Remove	APZ			canopy offcentre, med deadwood, crowded
T0771	Silvertop Ash	<i>Eucalyptus sieberi</i>	75	75	90	20	14	75	4c	9.0	3.2	Remove	Dangerous tree			trunk at 30deg, med deadwood, exposed wood at 5m
T0772	Silvertop Ash	<i>Eucalyptus sieberi</i>	18	18	23	9	3	75	4c	2.2	1.8	Remove	Dangerous tree			trunk at 25deg, med deadwood
T0773	Sydney Peppermint	<i>Eucalyptus piperita</i>	42	42	45	17	6	80	2a	5.0	2.4	Remove	APZ			
T0774	Broad-leaved Hakea	<i>Hakea dactyloides</i>	11	11	15	4	3	20	4d	1.3	1.5	Remove	Dangerous tree			lots med deadwood, living canopy offcentre
T0775	Sydney Peppermint	<i>Eucalyptus piperita</i>	12	12	14	3	2	50	4c	1.4	1.4	Remove	Dangerous tree			trunk at 15deg
T0776	Sydney Peppermint	<i>Eucalyptus piperita</i>	22	22	22	10	4	55	4c	2.6	1.8	Remove	Dangerous tree			termites ants at 1m, epicormic growth, small canopy
T0777	Sydney Peppermint	<i>Eucalyptus piperita</i>	12	12	15	6	2	40	4c	1.4	1.5	Remove	Dangerous tree			termites at 2m, med deadwood, epicormic growth
T0778	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	20	10	1	5	4a	1.6	1.7	Remove	Dangerous tree			mostly dead, trunk at 20deg
T0779	Sydney Peppermint	<i>Eucalyptus piperita</i>	36	36	37	15	10	85	2a	4.3	2.2	Remove	APZ			
T0780	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	23	12	4	65	3c	2.2	1.8	Remove	APZ			kino, crowded, small canopy
T0781	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	11	11	14	10	3	75	2a	1.3	1.4	Remove	APZ			
T0782	Sydney Peppermint	<i>Eucalyptus piperita</i>	24	24	28	14	7	65	2a	2.9	1.9	Remove	APZ			
T0783	Sweet Pittosporum	<i>Pittosporum undulatum</i>	11	11	14	6	3	90	2a	1.3	1.4	Remove	APZ			
T0784	Sydney Peppermint	<i>Eucalyptus piperita</i>	14	14	22	12	3	50	3a	1.7	1.8	Remove	APZ			epicormic growth, small deadwood
T0785	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	60	22	15	75	4c	6.0	2.7	Remove	Dangerous tree			trunk at 30deg, med lge deadwood

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T0786	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	27	12	3	10	4a	3.0	1.9	Remove	Dangerous tree			med deadwood, epicormic growth
T0787	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	20	4	1	5	4a	1.9	1.7	Remove	Dangerous tree			
T0788	Sydney Peppermint	<i>Eucalyptus piperita</i>	45,14,12,10	50	100	9	6	75	2d	6.0	3.3	Remove	APZ			
T0789	Blue Mountains Ash	<i>Eucalyptus oreades</i>	65	65	80	19	15	75	2a	7.8	3.0	Retain	<Null>			epicormic growth
T0790	Sydney Peppermint	<i>Eucalyptus piperita</i>	52	52	55	15	15	80	2a	6.2	2.6	Retain	<Null>			med deadwood
T0791	Sydney Peppermint	<i>Eucalyptus piperita</i>	75,17	77	100	15	14	75	3d	9.2	3.3	Retain	<Null>			main trunk at 45deg but secondary trunk straight, med deadwood
T0792	Sydney Peppermint	<i>Eucalyptus piperita</i>	82	82	100	18	18	80	2a	9.8	3.3	Remove	APZ			med deadwood, canopy offcentre
T0793	Sydney Peppermint	<i>Eucalyptus piperita</i>	32	32	32	9	4	65	3c	3.8	2.1	Remove	APZ			crowded, small canopy
T0794	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	52	52	63	20	16	80	4c	6.2	2.7	Remove	Dangerous tree			trunk at 15deg
T0795	Sydney Peppermint	<i>Eucalyptus piperita</i>	27	27	30	12	6	50	4c	3.2	2.0	Remove	Dangerous tree			trunk at 15deg, epicormic growth
T0796	Sydney Peppermint	<i>Eucalyptus piperita</i>	37	37	45	16	6	55	3a	4.4	2.4	Remove	APZ			epicormic growth, small canopy
T0797	Sydney Peppermint	<i>Eucalyptus piperita</i>	42	42	55	17	8	75	3c	5.0	2.6	Remove	APZ			canopy offcentre, medium deadwood
T0798	Sydney Peppermint	<i>Eucalyptus piperita</i>	60,35,20	72	120	15	12	80	2d	8.7	3.6	Retain	<Null>			minor trunk at 45deg, exposed wood at base
T0799	Blue Mountains Ash	<i>Eucalyptus oreades</i>	72	72	90	14	14	55	4c	8.6	3.2	Remove	Dangerous tree			trunk at 15deg, canopy very offcentre, med deadwood
T0800	Blue Mountains Ash	<i>Eucalyptus oreades</i>	35	35	40	7	4	55	4c	4.2	2.3	Remove	Dangerous tree			trunk at 15deg, canopy very offcentre, sml med deadwood
T0801	Black Wattle	<i>Callicoma serratifolia</i>	28	28	38	7	8	30	4c	3.4	2.2	Remove	Dangerous tree			leaning 65deg from base, crowded, almost fallen
T0802	Silvertop Ash	<i>Eucalyptus sieberi</i>	32	32	38	12	8	50	4c	3.8	2.2	Remove	Dangerous tree			leaning, canopy off centre, trunk split vertically 2-4m, med deadwood
T0803	Sydney Peppermint	<i>Eucalyptus piperita</i>	79	79	88	22	12	80	2a	9.5	3.1	Remove	APZ			
T0804	Sweet Pittosporum	<i>Pittosporum undulatum</i>	16	16	20	8	5	80	3a	1.9	1.7	Remove	APZ			leaning 10deg
T0805	Sweet Pittosporum	<i>Pittosporum undulatum</i>	14	14	16	9	5	80	2a	1.7	1.5	Remove	APZ			
T0806	Dead Stag	Dead Stag	26	26	30	18	8	0	4a	3.1	2.0	Remove	Dangerous tree			
T0807	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	25	25	28	12	9	80	2a	3.0	1.9	Retain	<Null>			
T0808	Sweet Pittosporum	<i>Pittosporum undulatum</i>	14	14	20	8	7	90	2a	1.7	1.7	Retain	<Null>			
T0809	Dead Stag	Dead Stag	30	30	36	22	9	0	4a	3.6	2.2	Remove	Dangerous tree			
T0810	Sydney Peppermint	<i>Eucalyptus piperita</i>	32	32	36	12	6	75	3c	3.8	2.2	Retain	<Null>			exposed woo 0.5-1.3m, med deadwood, leaning 10deg
T0811	Sweet Pittosporum	<i>Pittosporum undulatum</i>	13,12,9,8	21	28	8	7	80	3a	2.6	1.9	Retain	<Null>			
T0812	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	29	14	6	60	4a	3.0	2.0	Remove	Dangerous tree			dying, crowded, suppressed, epicormic growth, leaning, sml deadwood
T0813	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	26	7	3	25	4c	1.9	1.9	Remove	Dangerous tree			broken trunk at 1m with hollow down to 0m
T0814	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	21	21	25	14	3	40	4a	2.5	1.8	Remove	Dangerous tree			dying, lots epicormic growth, lots sml deadwood
T0815	Sydney Peppermint	<i>Eucalyptus piperita</i>	33	33	38	21	7	70	3c	4.0	2.2	Retain	<Null>			crowded, stressed, poor form, lots epicormic growth
T0816	Old Man Banksia	<i>Banksia serrata</i>	17	17	21	6	4	80	3a	2.0	1.7	Retain	<Null>			

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T0817	Old Man Banksia	<i>Banksia serrata</i>	15	15	18	6	4	40	4c	1.8	1.6	Remove	Dangerous tree			bad kink in trunk at 2m, crowded
T0818	Silvertop Ash	<i>Eucalyptus sieberi</i>	80	80	97	24	15	90	2a	9.6	3.3	Remove	APZ			med deadwood
T0819	Silvertop Ash	<i>Eucalyptus sieberi</i>	66	66	86	24	13	80	2a	7.9	3.1	Remove	APZ			smll deadwood
T0820	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	22	8	3	25	4a	2.2	1.8	Remove	Dangerous tree			dying, 60% bark circumference is dead, main trunk failure at 4m
T0821	Slash Pine	<i>Pinus ellioti</i>	48	48	68	24	6	70	3a	5.8	2.8	Remove	APZ			lots smll deadwood
T0822	Dead Stag	Dead Stag	29	29	34	13	4	0	4a	3.5	2.1	Remove	Dangerous tree			
T0823	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	25	25	31	19	5	65	3c	3.0	2.0	Remove	APZ			stressed, poor form, small canopy, smll deadwood
T0824	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	44	44	54	22	8	65	3c	5.3	2.6	Remove	APZ			crowded, stressed, lots epicormic growth, med deadwood
T0825	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	24	24	28	12	5	50	3c	2.9	1.9	Remove	APZ			crowded, stressed, epicormic growth, smll deadwood
T0826	Sydney Peppermint	<i>Eucalyptus piperita</i>	44	44	58	19	9	80	2a	5.3	2.6	Remove	APZ			smll epicormic growth, smll deadwood
T0827	Sydney Peppermint	<i>Eucalyptus piperita</i>	33	33	53	20	6	70	3c	4.0	2.5	Remove	APZ			stressed, epicormic growth, 1x med deadwood
T0828	Slash Pine	<i>Pinus ellioti</i>	23	23	27	9	3	35	4c	2.8	1.9	Remove	Dangerous tree			trunk split vertically 1-2m, very poor form
T0829	Slash Pine	<i>Pinus ellioti</i>	20	20	25	16	4	70	3b	2.4	1.8	Remove	APZ			crowded, suppressed, lots smmll deadwood, small & sparse canopy
T0830	Sweet Pittosporum	<i>Pittosporum undulatum</i>	8,16	18	24	9	6	80	3a	2.1	1.8	Remove	APZ			
T0831	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	26	26	36	17	7	70	3c	3.1	2.2	Remove	APZ			crowded, twisting dmge 0-1m with kino
T0832	Sydney Peppermint	<i>Eucalyptus piperita</i>	33	33	41	17	7	45	4c	4.0	2.3	Remove	Dangerous tree			lopped at base, exposed wood, poor form, epicormic growth, med deadwood
T0833	Rough Tree-fern	<i>Cyathea australis</i>	27	27	27	4	6	80	3a	3.2	1.9	Remove	APZ			
T0834	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	27	27	31	15	11	50	3c	3.2	2.0	Remove	APZ			stressed, epicormic growth, sparse canopy, med deadwood
T0835	Sydney Peppermint	<i>Eucalyptus piperita</i>	21	21	27	12	10	40	4c	2.5	1.9	Remove	Dangerous tree			crowded, leaning, canopy off centre, lots smll deadwood, epicormic growth
T0836	Sweet Pittosporum	<i>Pittosporum undulatum</i>	14,17	22	27	8	7	80	3a	2.6	1.9	Remove	APZ			
T0837	Sweet Pittosporum	<i>Pittosporum undulatum</i>	19	19	26	11	8	80	3a	2.3	1.9	Remove	APZ			
T0838	Sydney Peppermint	<i>Eucalyptus piperita</i>	49	49	69	22	13	70	2a	5.9	2.8	Retain	<Null>			canopy off centre
T0839	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	58	58	78	17	7	30	4c	7.0	3.0	Remove	Dangerous tree			splits & exposed wood 0-2m, canopy off centre, borers in trunk
T0840	Dead Stag	Dead Stag	44	44	49	11	1	0	4a	5.3	2.5	Remove	Dangerous tree			
T0841	Sydney Peppermint	<i>Eucalyptus piperita</i>	28	28	34	21	7	65	3b	3.4	2.1	Remove	APZ			crowded, poor form - trunk bowed, leaning 15deg, small canopy, epicormic growth
T0842	Sydney Peppermint	<i>Eucalyptus piperita</i>	50	50	58	23	12	80	2a	6.0	2.6	Remove	APZ			1x med deadwood
T0843	Sydney Peppermint	<i>Eucalyptus piperita</i>	48	48	65	17	10	40	4c	5.8	2.8	Remove	Dangerous tree			canopy off centre, crowded, lge cavity in base 0-1m, exposed wood, fungal attack
T0844	Slash Pine	<i>Pinus ellioti</i>	103	103	113	25	14	70	2a	12.4	3.5	Remove	APZ			
T0845	Sydney Peppermint	<i>Eucalyptus piperita</i>	40,33	52	95	23	11	40	3b	6.2	3.2	Retain	<Null>			3rd trunk lopped at 0.5m, 2x remaining trunks at 1.5m, stressed, lots epicormic growth, lots med & smll deadwood
T0846	Sydney Peppermint	<i>Eucalyptus piperita</i>	25,18,8	32	34	9	8	50	3a	3.8	2.1	Retain	<Null>			2x trunks at 0m, med deadwood, supports lge vine, lots smll deadwood
T0847	Maple	<i>Acer sp (cultivar)</i>	28,30,11,17,21,23	55	57	11	13	85	2a	6.6	2.6	Retain	<Null>			

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0848	Sydney Peppermint	<i>Eucalyptus piperita</i>	67	67	70	22	13	60	4c	8.0	2.8	Remove	Dangerous tree			trunk leaning 40 deg, split & exposed wood 2-6m, fungal attack, roots entwined w T0849
T0849	Sydney Peppermint	<i>Eucalyptus piperita</i>	45,49	67	80	21	14	60	3a	8.0	3.0	Retain	<Null>			roots entwined w T0848, 2x trunks at 1.3m
T0850	Blue Mountains Ash	<i>Eucalyptus oreades</i>	22	22	34	16	9	40	3b	2.6	2.1	Remove	APZ			exposed wood at several parts of trunk & base, dmged bark, split 0.5-3m, sml deadwood
T0851	Blue Mountains Ash	<i>Eucalyptus oreades</i>	100	100	160	20	18	75	2d	12.0	4.0	Retain	<Null>	V2		lots sml med deadwood, epicormic growth
T0852	Silvertop Ash	<i>Eucalyptus sieberi</i>	110	110	130	20	15	75	2d	13.2	3.7	Retain	<Null>	V2		med deadwood, exposed wood at 1m
T0853	Slash Pine	<i>Pinus ellioti</i>	98	98	130	20	9	40	3d	11.8	3.7	Retain	<Null>			sml med deadwood
T0854	Blackwood	<i>Acacia melanoxylon</i>	60	60	75	9	9	80	2a	7.2	2.9	Remove	APZ			
T0855	Sydney Peppermint	<i>Eucalyptus piperita</i>	28	28	29	16	9	80	2d	3.4	2.0	Remove	APZ			canopy offcentre
T0856	Old Man Banksia	<i>Banksia serrata</i>	24	24	40	5	6	75	2d	2.9	2.3	Retain	<Null>			lge horizontal branch
T0857	Old Man Banksia	<i>Banksia serrata</i>	22,16,15	31	40	6	6	80	2a	3.7	2.3	Retain	<Null>			
T0858	Sydney Peppermint	<i>Eucalyptus piperita</i>	22	22	32	9	6	80	4c	2.6	2.1	Remove	Dangerous tree			trunk at 45deg
T0859	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	17	8	3	65	2c	1.8	1.6	Retain	<Null>			med deadwood
T0860	Sydney Peppermint	<i>Eucalyptus piperita</i>	27	27	34	8	5	75	2a	3.2	2.1	Retain	<Null>			
T0861	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	18	7	3	75	2a	1.6	1.6	Retain	<Null>			med deadwood
T0862	Sydney Peppermint	<i>Eucalyptus piperita</i>	21,26,14	36	40	9	6	50	4c	4.3	2.3	Remove	Dangerous tree			HT25, hollow at base and 1m, epicormic growth, small canopy, twists
T0863	Old Man Banksia	<i>Banksia serrata</i>	38,12,12,17	45	70	4	6	75	2a	5.4	2.8	Retain	<Null>			
T0864	Silvertop Ash	<i>Eucalyptus sieberi</i>	34	34	35	8	7	80	4c	4.1	2.1	Remove	Dangerous tree			trunk at 45deg, lifting on uphill side
T0865	Sydney Peppermint	<i>Eucalyptus piperita</i>	70	70	80	10	8	65	4c	8.4	3.0	Remove	Dangerous tree			exposed decaying wood at base, trunk twisted, med deadwood
T0866	Old Man Banksia	<i>Banksia serrata</i>	23	23	45	6	7	70	2d	2.8	2.4	Retain	<Null>			small deadwood
T0867	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	20	7	4	65	2d	1.6	1.7	Retain	<Null>			small deadwood, canopy offcentre
T0868	Sydney Peppermint	<i>Eucalyptus piperita</i>	26,36	44	50	8	6	45	4c	5.3	2.5	Remove	Dangerous tree			exposed decaying wood 0-2m, weak base, cracks in trunk
T0869	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	25	7	6	65	4c	1.9	1.8	Remove	Dangerous tree			trunk at 30deg
T0870	Sydney Peppermint	<i>Eucalyptus piperita</i>	42	42	70	9	6	65	4c	5.0	2.8	Remove	Dangerous tree			trunk at 15deg, twisted trunk
T0871	Sydney Peppermint	<i>Eucalyptus piperita</i>	70,50	86	110	14	15	70	2a	10.3	3.4	Retain	<Null>			HT21, some burls, med deadwood
T0872	Dead Stag	Dead Stag	11	11	13	6	1	0	4a	1.3	1.4	Remove	Dangerous tree			
T0873	Old Man Banksia	<i>Banksia serrata</i>	20,18	27	34	4	4	65	3b	3.2	2.1	Remove	Development			trunk at 30deg, lots sml deadwood
T0874	Sydney Peppermint	<i>Eucalyptus piperita</i>	20,16,17	31	70	9	6	10	4a	3.7	2.8	Remove	Dangerous tree			epicormic growth, dieback, lots sml deadwood
T0875	Sydney Peppermint	<i>Eucalyptus piperita</i>	13	13	14	8	4	20	3c	1.6	1.4	Remove	Development			supressed, bow in trunk at 6m, epicormic growth
T0876	Old Man Banksia	<i>Banksia serrata</i>	15,20	25	50	4	5	75	3b	3.0	2.5	Remove	Development			trunk at 30deg
T0877	Silvertop Ash	<i>Eucalyptus sieberi</i>	16	16	23	9	5	55	3c	1.9	1.8	Retain	<Null>			supressed, trunk at 15deg
T0878	Silvertop Ash	<i>Eucalyptus sieberi</i>	55	55	56	17	14	75	4c	6.6	2.6	Remove	Dangerous tree			trunk at 45deg
T0879	Sydney Peppermint	<i>Eucalyptus piperita</i>	80	80	90	18	17	65	2a	9.6	3.2	Remove	Development			HT10, epicormic growth, med deadwood

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T0880	Silvertop Ash	<i>Eucalyptus sieberi</i>	70	70	80	18	18	75	4c	8.4	3.0	Remove	Dangerous tree			trunk at 30deg, med lge deadwood
T0881	Silvertop Ash	<i>Eucalyptus sieberi</i>	75	75	90	16	14	75	2a	9.0	3.2	Retain	<Null>			med deadwood, some epicormic growth
T0882	Cedar Wattle	<i>Acacia elata</i>	20	20	30	15	6	80	2a	2.4	2.0	Retain	<Null>			
T0883	Silvertop Ash	<i>Eucalyptus sieberi</i>	48,40	62	70	20	15	75	3c	7.5	2.8	Retain	<Null>			smaller trunk at 15deg, sml med deadwood
T0884	Cedar Wattle	<i>Acacia elata</i>	24,21	32	45	14	7	75	3c	3.8	2.4	Retain	<Null>			weak join between trunks
T0885	Sydney Peppermint	<i>Eucalyptus piperita</i>	33,42	53	80	16	14	55	4c	6.4	3.0	Remove	Dangerous tree			HT9, exposed decaying wood at base to 2m, hollow trunk
T0886	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	45	15	7	50	4c	4.8	2.4	Remove	Dangerous tree			trunk at 15deg, sml med deadwood, supressed
T0887	Silvertop Ash	<i>Eucalyptus sieberi</i>	65	65	80	18	16	75	3b	7.8	3.0	Retain	<Null>			trunk at 15deg, twisted, canopy offcentre
T0888	Silvertop Ash	<i>Eucalyptus sieberi</i>	43	43	50	17	6	65	2a	5.2	2.5	Retain	<Null>			small canopy, sml med deadwood
T0889	Sydney Peppermint	<i>Eucalyptus piperita</i>	22,20	30	50	12	8	65	3c	3.6	2.5	Retain	<Null>			sml med deadwood
T0890	Silvertop Ash	<i>Eucalyptus sieberi</i>	23	23	35	8	7	5	4d	2.8	2.1	Remove	Dangerous tree			fallen
T0891	Silvertop Ash	<i>Eucalyptus sieberi</i>	45	45	60	17	5	60	4c	5.4	2.7	Remove	Dangerous tree			exposed decaying wood 0-3m, trunk at 15deg, epicormic growth, small canopy
T0892	Silvertop Ash	<i>Eucalyptus sieberi</i>	53,40	66	70	18	15	70	2a	8.0	2.8	Retain	<Null>			
T0893	Sydney Peppermint	<i>Eucalyptus piperita</i>	14,12	18	40	7	5	25	4a	2.2	2.3	Remove	Dangerous tree			supressed, small canopy, exposed wood to 5m
T0894	Sydney Peppermint	<i>Eucalyptus piperita</i>	12,17	21	45	4	3	50	4d	2.5	2.4	Remove	Dangerous tree			damaged by t0890, exposed wood at base
T0895	Dead Stag	Dead Stag	23,22	32	50	14	6	0	4a	3.8	2.5	Remove	Dangerous tree			
T0896	Sydney Peppermint	<i>Eucalyptus piperita</i>	14	14	26	5	3	30	4a	1.7	1.9	Remove	Dangerous tree			exposed decaying wood at base, sml med deadwood, supressed, epicormic growth
T0897	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	25	12	5	10	4a	2.4	1.8	Remove	Dangerous tree			supressed, lots deadwood
T0898	Dead Stag	Dead Stag	16	16	16	10	1	0	4a	1.9	1.5	Remove	Dangerous tree			
T0899	Sydney Peppermint	<i>Eucalyptus piperita</i>	12	12	15	8	5	60	3c	1.4	1.5	Retain	<Null>			supressed, small deadwood, poor structure at base
T0900	Dead Stag	Dead Stag	11	11	16	6	4	0	4a	1.3	1.5	Remove	Dangerous tree			
T0901	Sydney Peppermint	<i>Eucalyptus piperita</i>	36	36	42	13	7	80	2a	4.3	2.3	Retain	<Null>			crowded
T0902	Silvertop Ash	<i>Eucalyptus sieberi</i>	11	11	21	7	4	80	2a	1.3	1.7	Retain	<Null>			crowded
T0903	Sydney Peppermint	<i>Eucalyptus piperita</i>	32	32	38	15	7	80	2a	3.8	2.2	Retain	<Null>			crowded+
T0904	Dead Stag	Dead Stag	12	12	21	5	4	0	4a	1.4	1.7	Remove	Dangerous tree			
T0905	Sydney Peppermint	<i>Eucalyptus piperita</i>	14	14	23	7	5	80	2a	1.7	1.8	Retain	<Null>			crowded
T0906	Sydney Peppermint	<i>Eucalyptus piperita</i>	37	37	45	17	9	80	2a	4.4	2.4	Retain	<Null>			crowded
T0907	Sydney Peppermint	<i>Eucalyptus piperita</i>	26	26	35	8	7	75	2a	3.1	2.1	Retain	<Null>			crowded, med deadwood
T0908	Sydney Peppermint	<i>Eucalyptus piperita</i>	45	45	65	18	12	80	2a	5.4	2.8	Retain	<Null>			
T0909	Silvertop Ash	<i>Eucalyptus sieberi</i>	16	16	19	12	5	60	3b	1.9	1.6	Retain	<Null>			leaning 15deg, crowded, suppressed, poor form
T0910	Sydney Peppermint	<i>Eucalyptus piperita</i>	15,10	18	26	9	4	50	3c	2.2	1.9	Retain	<Null>			2x trunks at 0m, crowded, suppressed, smaller trunk dead, sml deadwood
T0911	Sydney Peppermint	<i>Eucalyptus piperita</i>	54	54	60	22	12	50	4c	6.5	2.7	Remove	Dangerous tree			exposed wood 0.5-1m, termites in trunk
T0912	Old Man Banksia	<i>Banksia serrata</i>	24	24	30	5	5	80	3a	2.9	2.0	Retain	<Null>			

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T0913	Dead Stag	Dead Stag	33	33	43	6	3	0	4a	4.0	2.3	Remove	Dangerous tree			HT23
T0914	Silvertop Ash	<i>Eucalyptus sieberi</i>	19	19	26	11	7	75	2a	2.3	1.9	Retain	<Null>			crowded, canopy off centre
T0915	Broad-leaved Hakea	<i>Hakea dactyloides</i>	12	12	15	6	6	80	2a	1.4	1.5	Retain	<Null>			
T0916	Old Man Banksia	<i>Banksia serrata</i>	16	16	23	4	4	80	2a	1.9	1.8	Retain	<Null>			
T0917	Old Man Banksia	<i>Banksia serrata</i>	26	26	30	6	5	80	2a	3.1	2.0	Retain	<Null>			
T0918	Sydney Peppermint	<i>Eucalyptus piperita</i>	43	43	53	18	10	80	2a	5.2	2.5	Retain	<Null>			
T0919	Sydney Peppermint	<i>Eucalyptus piperita</i>	83	83	103	20	13	50	4c	10.0	3.4	Remove	Dangerous tree			HT22, cavity at base 0-2m, exposed wood, med deadwood
T0920	Sydney Peppermint	<i>Eucalyptus piperita</i>	12	12	23	10	3	75	2a	1.4	1.8	Retain	<Null>			crowded
T0921	Sydney Peppermint	<i>Eucalyptus piperita</i>	15	15	37	16	6	60	3c	1.8	2.2	Retain	<Null>			2nd trunk broken at 0.5m, crowded epicormic growth, lots sml deadwood
T0922	Sydney Peppermint	<i>Eucalyptus piperita</i>	11,8	14	21	7	4	60	3c	1.6	1.7	Retain	<Null>			crowded, epicormic growth, smaller trunk dead, suppressed
T0923	Sydney Peppermint	<i>Eucalyptus piperita</i>	23	23	32	15	6	60	4c	2.8	2.1	Remove	Dangerous tree			cavity at base, exposed wood, crowded, canopy off centre
T0924	Broad-leaved Hakea	<i>Hakea dactyloides</i>	12	12	18	6	4	80	3a	1.4	1.6	Retain	<Null>			
T0925	Old Man Banksia	<i>Banksia serrata</i>	15	15	23	4	3	80	2a	1.8	1.8	Remove	Development			
T0926	Silvertop Ash	<i>Eucalyptus sieberi</i>	52	52	60	22	12	80	2a	6.2	2.7	Remove	Development			slight lean
T0927	Sydney Peppermint	<i>Eucalyptus piperita</i>	64	64	69	23	18	80	2a	7.7	2.8	Remove	Development	V2		slight lean, med deadwood
T0928	Silvertop Ash	<i>Eucalyptus sieberi</i>	17	17	24	12	4	60	3c	2.0	1.8	Remove	Development			crowded, suppressed, epicormic growth, 15deg lean
T0929	Sydney Peppermint	<i>Eucalyptus piperita</i>	14	14	18	6	3	40	3c	1.7	1.6	Remove	Development			crowded, suppressed, med deadwood, epicormic growth
T0930	Cedar Wattle	<i>Acacia elata</i>	33	33	43	24	9	80	2a	4.0	2.3	Remove	Development			
T0931	Silvertop Ash	<i>Eucalyptus sieberi</i>	53	53	63	24	12	80	2a	6.4	2.7	Remove	Development			
T0932	Sydney Peppermint	<i>Eucalyptus piperita</i>	93	93	120	14	13	65	3b	11.2	3.6	Remove	APZ			HT11, burnt out cavity in base 0-1.5m, hollow trunk, 2x broken major branches at 2m & 4m
T0933	Silvertop Ash	<i>Eucalyptus sieberi</i>	57	57	65	23	17	80	2a	6.8	2.8	Remove	APZ			
T0934	Cedar Wattle	<i>Acacia elata</i>	33	33	43	24	9	80	2a	4.0	2.3	Remove	Development			
T0935	Silvertop Ash	<i>Eucalyptus sieberi</i>	47,40,55	83	120	18	14	70	3c	9.9	3.6	Retain	<Null>			3x trunks at 0m, 2x trunks leaning 18deg, sml epicormic growth, sml deadwood, 1x med deadwood
T0936	Silvertop Ash	<i>Eucalyptus sieberi</i>	45	45	55	16	8	65	3b	5.4	2.6	Retain	<Null>			leaning 15deg, poor form, canopy off centre
T0937	Sydney Peppermint	<i>Eucalyptus piperita</i>	53	53	59	15	8	65	3c	6.4	2.7	Remove	APZ			HT12, leaning 12deg, canopy off centre, med deadwood
T0938	Silvertop Ash	<i>Eucalyptus sieberi</i>	30,34,49	67	80	17	11	70	3b	8.0	3.0	Retain	<Null>			3x trunks at 0m
T0939	Silvertop Ash	<i>Eucalyptus sieberi</i>	50	50	70	17	9	80	2a	6.0	2.8	Retain	<Null>			slight lean
T0940	Silvertop Ash	<i>Eucalyptus sieberi</i>	48	48	55	22	11	50	4c	5.8	2.6	Remove	Dangerous tree			twist dmge to trunk at 6m, splits & kino, bark dmge & exposed wood at 3m
T0941	Silvertop Ash	<i>Eucalyptus sieberi</i>	24	24	37	17	4	50	3c	2.9	2.2	Retain	<Null>			crowded, suppressed, lots epicormic growth, sml canopy
T0942	Old Man Banksia	<i>Banksia serrata</i>	30	30	34	5	6	80	3a	3.6	2.1	Retain	<Null>			crowded
T0943	Silvertop Ash	<i>Eucalyptus sieberi</i>	12,5	13	18	8	4	65	3c	1.6	1.6	Retain	<Null>			crowded, suppressed, epicormic growth, 2x trunks at 0m
T0944	Sydney Peppermint	<i>Eucalyptus piperita</i>	24	24	29	13	6	50	3c	2.9	2.0	Retain	<Null>			crowded, suppressed, poor form, small off-center canopy, lots sml deadwood

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Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T0945	Silvertop Ash	<i>Eucalyptus sieberi</i>	52,33	62	68	16	9	45	3c	7.4	2.8	Retain	<Null>			crowded, smll trunk twist dmge - exposed wood 0.5 to 4m, larger trunk leaning, smll deadwood
T0946	Sydney Peppermint	<i>Eucalyptus piperita</i>	17	17	24	5	6	50	3c	2.0	1.8	Remove	APZ			crowded, suppressed, strangled by 3 fence wires, epicormic growth, leaning 15deg
T0947	Sydney Peppermint	<i>Eucalyptus piperita</i>	30,26,24	46	60	11	8	35	4c	5.6	2.7	Remove	Dangerous tree			2x trunks have exposed wood 0-2m, fungal attack, suppressed, lots epicormic growth, poor form 3x trunks at 0m
T0948	Dead Stag	Dead Stag	14	14	19	11	3	0	4a	1.7	1.6	Remove	Dangerous tree			
T0949	Silvertop Ash	<i>Eucalyptus sieberi</i>	11	11	15	7	6	35	4c	1.3	1.5	Remove	Dangerous tree			HT13,
T0950	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	15	4	65	3c	2.4	1.8	Retain	<Null>			crowded, suppressed, smll canopy, exposed deadwood at base
T0951	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	30	10	5	50	3c	1.9	2.0	Retain	<Null>			supressed, small deadwood
T0952	Old Man Banksia	<i>Banksia serrata</i>	12	12	45	3	7	75	3b	1.4	2.4	Retain	<Null>			trunk at 45deg
T0953	Broad-leaved Hakea	<i>Hakea dactyloides</i>	12,11	16	15	8	9	40	3a	2.0	1.5	Retain	<Null>			sparse canopy, small deadwood
T0954	Silvertop Ash	<i>Eucalyptus sieberi</i>	12	12	13	7	4	80	2a	1.4	1.4	Retain	<Null>			
T0955	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	18	8	4	90	2a	1.9	1.6	Retain	<Null>			
T0956	Silvertop Ash	<i>Eucalyptus sieberi</i>	19	19	23	9	4	60	4c	2.3	1.8	Remove	Dangerous tree			trunk at 15deg, evidence of termites at 1m, supressed, sml med deadwood
T0957	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	50	15	8	65	4c	4.8	2.5	Remove	Dangerous tree			trunk at 20deg, canopy offcentre, sml med deadwood
T0958	Scribbly Gum	<i>Eucalyptus sclerophylla</i>	26	26	28	12	5	65	3c	3.1	1.9	Retain	<Null>			med deadwood, trunk prob hollow
T0959	Silvertop Ash	<i>Eucalyptus sieberi</i>	45	45	45	15	6	75	4c	5.4	2.4	Remove	Dangerous tree			trunk at 45deg
T0960	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	35	14	5	65	4c	2.4	2.1	Remove	Dangerous tree			trunk at 45deg, med deadwood, crowded
T0961	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	17	10	4	25	4a	1.7	1.6	Remove	Dangerous tree			supressed, med deadwood, burl at base
T0962	Silvertop Ash	<i>Eucalyptus sieberi</i>	36,18	40	65	13	10	70	3b	4.8	2.8	Retain	<Null>			smaller trunk at 45deg, lg trunk evidence of termites, borers, canopy offcentre, sml med deadwood
T0963	Broad-leaved Hakea	<i>Hakea dactyloides</i>	12	12	14	7	6	50	3a	1.4	1.4	Retain	<Null>			lots small deadwood, crowded
T0964	Silvertop Ash	<i>Eucalyptus sieberi</i>	36,15	39	45	16	10	60	4c	4.7	2.4	Remove	Dangerous tree			trunk at 45deg, lge deadwood
T0965	Dead Stag	Dead Stag	22	22	30	9	1	0	4a	2.6	2.0	Remove	Dangerous tree			
T0966	Old Man Banksia	<i>Banksia serrata</i>	24,10	26	35	6	5	75	4c	3.1	2.1	Remove	Dangerous tree			trunk at 30deg
T0967	Silvertop Ash	<i>Eucalyptus sieberi</i>	40,15	43	60	15	12	60	3c	5.1	2.7	Retain	<Null>			exposed wood at 5m, epicormic growth, canopy offcentre, sml med deadwood
T0968	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	18	7	2	25	4a	1.7	1.6	Remove	Dangerous tree			supressed, epicormic growth, med deadwood
T0969	Old Man Banksia	<i>Banksia serrata</i>	12	12	20	3	3	75	2a	1.4	1.7	Retain	<Null>			
T0970	Old Man Banksia	<i>Banksia serrata</i>	25	25	50	4	6	70	3b	3.0	2.5	Retain	<Null>			exposed decaying wood at base, large burl at 1m
T0971	Silvertop Ash	<i>Eucalyptus sieberi</i>	43,42	60	55	17	8	65	4c	7.2	2.6	Remove	Dangerous tree			trunk at 15deg, lge deadwood, epicormic growth, weak junction of trunks
T0972	Silvertop Ash	<i>Eucalyptus sieberi</i>	33,20	39	60	16	8	75	4c	4.6	2.7	Remove	Dangerous tree			trunks at 15deg 30deg, med deadwood
T0973	Scribbly Gum	<i>Eucalyptus sclerophylla</i>	12,11,11	20	50	8	8	75	2d	2.4	2.5	Retain	<Null>			2 trunks at 45deg 30deg, exposed decaying wood 1-4m, sml med deadwood

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T0974	Sweet Pittosporum	<i>Pittosporum undulatum</i>	12	12	20	7	3	80	2a	1.4	1.7	Retain	<Null>			
T0975	Broad-leaved Hakea	<i>Hakea dactyloides</i>	11	11	13	4	3	60	4c	1.3	1.4	Remove	Dangerous tree			trunk at 45deg
T0976	Sweet Pittosporum	<i>Pittosporum undulatum</i>	12	12	20	5	3	80	2a	1.4	1.7	Retain	<Null>			
T0977	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	22	7	2	30	4a	2.2	1.8	Remove	Dangerous tree			supressed, med deadwood, trunk prob decaying
T0978	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	11	11	25	5	3	55	3a	1.3	1.8	Retain	<Null>			exposed deadwood a 1m, canopy sparse offcentre, supressed
T0979	Silvertop Ash	<i>Eucalyptus sieberi</i>	11	11	26	7	3	55	4c	1.3	1.9	Remove	Dangerous tree			exposed decaying deadwood at base, canopy offcentre
T0980	Silvertop Ash	<i>Eucalyptus sieberi</i>	11	11	20	9	2	75	2a	1.3	1.7	Retain	<Null>			
T0981	Silvertop Ash	<i>Eucalyptus sieberi</i>	12	12	13	5	2	75	3b	1.4	1.4	Retain	<Null>			trunk at 15deg
T0982	Dead Stag	Dead Stag	12	12	17	7	6	50	4a	1.4	1.6	Remove	Dangerous tree			declining, exposed deadwood at 2m
T0983	Slash Pine	<i>Pinus elliotti</i>	30	30	30	9	3	55	2d	3.6	2.0	Remove	APZ			lots med deadwood
T0984	Silvertop Ash	<i>Eucalyptus sieberi</i>	55,32	64	100	19	20	75	3b	7.6	3.3	Remove	APZ			trunks at 15deg 30deg, med lge deadwood
T0985	Silvertop Ash	<i>Eucalyptus sieberi</i>	58	58	70	18	8	65	2d	7.0	2.8	Remove	APZ			med lge deadwood
T0986	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	35	50	17	10	65	4c	4.2	2.5	Remove	Dangerous tree			trunk at 45deg
T0987	Slash Pine	<i>Pinus elliotti</i>	22	22	32	10	2	10	4a	2.6	2.1	Remove	Dangerous tree			supressed, declining, lots small deadwood
T0988	Slash Pine	<i>Pinus elliotti</i>	18	18	23	9	1	15	4a	2.2	1.8	Remove	Dangerous tree			supressed
T0989	a Tea-tree	<i>Leptospermum sp.</i>	16	16	35	6	6	80	2a	1.9	2.1	Remove	APZ			
T0990	Slash Pine	<i>Pinus elliotti</i>	16	16	20	12	3	20	4a	1.9	1.7	Remove	Dangerous tree			supressed
T0991	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	20	9	4	55	3d	1.9	1.7	Retain	<Null>			small deadwood, exposed wood lowest branch
T0992	Slash Pine	<i>Pinus elliotti</i>	28	28	40	16	3	20	4a	3.4	2.3	Remove	Dangerous tree			sml deadwood, sml canopy
T0993	Slash Pine	<i>Pinus elliotti</i>	48	48	50	24	8	30	4a	5.8	2.5	Remove	Dangerous tree			supressed, lots sml deadwood
T0994	Sydney Peppermint	<i>Eucalyptus piperita</i>	23	23	35	8	5	60	3c	2.8	2.1	Retain	<Null>			supressed, sml med deadwood, epicormic growth
T0995	Silvertop Ash	<i>Eucalyptus sieberi</i>	56	56	75	18	10	75	3b	6.7	2.9	Retain	<Null>			trunk at 15deg, canopy offcentre
T0996	Silvertop Ash	<i>Eucalyptus sieberi</i>	53	53	60	16	6	65	2a	6.4	2.7	Retain	<Null>			
T0997	Silvertop Ash	<i>Eucalyptus sieberi</i>	37	37	50	15	8	75	3c	4.4	2.5	Retain	<Null>			supressed, canopy offcentre
T0998	Silvertop Ash	<i>Eucalyptus sieberi</i>	13	13	21	16	4	60	3a	1.6	1.7	Retain	<Null>			crowded, supressed, canopy offcentre
T0999	Dead Stag	Dead Stag	30	30	40	16	1	0	4a	3.6	2.3	Remove	Dangerous tree			
T1000	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	35	14	6	60	4c	3.0	2.1	Remove	Dangerous tree			trunk at 25deg, canopy offcentre, sml med deadwood
T1001	Old Man Banksia	<i>Banksia serrata</i>	25	25	28	7	5	80	3a	3.0	1.9	Retain	<Null>			crowded, leaning
T1002	Old Man Banksia	<i>Banksia serrata</i>	16,18	24	36	7	5	70	3a	2.9	2.2	Retain	<Null>			2x trunks at 0m, crowded
T1003	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	18	14	3	60	3c	1.7	1.6	Retain	<Null>			crowded, suppressed, small canopy, smll deadwood
T1004	Silvertop Ash	<i>Eucalyptus sieberi</i>	11,24	26	38	17	9	45	3c	3.2	2.2	Retain	<Null>			crowded, 3x trunks at 0m, leaning, 2x smaller trunks dead or dying
T1005	Dead Stag	Dead Stag	17	17	22	8	1	0	4a	2.0	1.8	Remove	Dangerous tree			

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T1006	Dead Stag	Dead Stag	11	11	13	3	0	0	4a	1.3	1.4	Remove	Dangerous tree			HT14
T1007	Silvertop Ash	<i>Eucalyptus sieberi</i>	37	37	43	22	6	80	2a	4.4	2.3	Retain	<Null>			
T1008	Silvertop Ash	<i>Eucalyptus sieberi</i>	36	36	45	22	9	70	2a	4.3	2.4	Retain	<Null>			crowded
T1009	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	24	13	6	65	3a	1.7	1.8	Retain	<Null>			crowded, sparse canopy
T1010	Silvertop Ash	<i>Eucalyptus sieberi</i>	52	52	59	22	8	75	2a	6.2	2.7	Retain	<Null>			
T1011	Silvertop Ash	<i>Eucalyptus sieberi</i>	44,48	65	100	22	10	70	2a	7.8	3.3	Retain	<Null>			2x trunks at 0m
T1012	Silvertop Ash	<i>Eucalyptus sieberi</i>	54	54	68	22	12	70	3b	6.5	2.8	Retain	<Null>			leaning 15deg, smll deadwood & epicormic growrh in upper crown
T1013	Old Man Banksia	<i>Banksia serrata</i>	16	16	27	5	6	80	2a	1.9	1.9	Retain	<Null>			
T1014	Old Man Banksia	<i>Banksia serrata</i>	18	18	23	5	3	70	3a	2.2	1.8	Retain	<Null>			crowded
T1015	Silvertop Ash	<i>Eucalyptus sieberi</i>	19	19	32	21	4	70	3c	2.3	2.1	Retain	<Null>			crowded, small canopy, epicormic growth
T1016	Silvertop Ash	<i>Eucalyptus sieberi</i>	34	34	44	19	6	50	3c	4.1	2.3	Retain	<Null>			damaged from twisting, exposed wood 2-7m, small crown, leaning, crowded
T1017	Silvertop Ash	<i>Eucalyptus sieberi</i>	16	16	23	12	4	50	3c	1.9	1.8	Retain	<Null>			crowded, suppressed, malformed due to overhead tree branches
T1018	Silvertop Ash	<i>Eucalyptus sieberi</i>	14	14	21	9	2	35	3c	1.7	1.7	Retain	<Null>			crowded, suppressed, crown dmge due to overhead branches
T1019	Silvertop Ash	<i>Eucalyptus sieberi</i>	17	17	23	13	4	40	3c	2.0	1.8	Retain	<Null>			crowded, suppressed, poor form, lots smll deadwood
T1020	Silvertop Ash	<i>Eucalyptus sieberi</i>	54	54	60	22	14	85	2a	6.5	2.7	Remove	APZ			
T1021	Silvertop Ash	<i>Eucalyptus sieberi</i>	42	42	48	22	7	75	2a	5.0	2.4	Retain	<Null>			
T1022	Old Man Banksia	<i>Banksia serrata</i>	22	22	28	4	4	80	2a	2.6	1.9	Retain	<Null>			
T1023	Silvertop Ash	<i>Eucalyptus sieberi</i>	11	11	17	8	3	60	3b	1.3	1.6	Retain	<Null>			exposed wood 2-3m
T1024	Dead Stag	Dead Stag	83	83	100	8	7	0	4a	10.0	3.3	Remove	Dangerous tree			HT15
T1025	Silvertop Ash	<i>Eucalyptus sieberi</i>	45,32,15	57	75	22	9	50	4c	6.9	2.9	Remove	Dangerous tree			3x trunks at 0.5m, smaller trunk dead, middle trunk very stressed with exposed wood at 2-4m, epicormic growth on lager 2 trunks
T1026	Sydney Peppermint	<i>Eucalyptus piperita</i>	22,5	23	28	10	4	65	4c	2.7	1.9	Remove	Dangerous tree			2x trunks at 0m, bad S shape 0-1m in larger trunk
T1027	Old Man Banksia	<i>Banksia serrata</i>	17	17	25	6	2	70	3a	2.0	1.8	Retain	<Null>			
T1028	Silvertop Ash	<i>Eucalyptus sieberi</i>	13	13	17	8	5	50	4c	1.6	1.6	Remove	Dangerous tree			leaning 45deg, smll canopy, suppressed
T1029	Silvertop Ash	<i>Eucalyptus sieberi</i>	46	46	53	15	12	50	4c	5.5	2.5	Remove	Dangerous tree			leaning 45deg over track, smll deadwood
T1030	Old Man Banksia	<i>Banksia serrata</i>	12	12	17	6	3	70	2a	1.4	1.6	Retain	<Null>			crowded
T1031	Old Man Banksia	<i>Banksia serrata</i>	11	11	22	5	3	70	3a	1.3	1.8	Retain	<Null>			crowded
T1032	Old Man Banksia	<i>Banksia serrata</i>	15	15	23	6	3	70	3a	1.8	1.8	Retain	<Null>			crowded
T1033	Broad-leaved Hakea	<i>Hakea dactyloides</i>	15	15	18	8	7	80	3a	1.8	1.6	Retain	<Null>			
T1034	Silvertop Ash	<i>Eucalyptus sieberi</i>	86,45	97	125	15	15	35	4c	11.6	3.6	Remove	Dangerous tree			larger trunk dead, smller trunk leaning 15deg with cavity 0-0.5m & exposed wood in base
T1035	Old Man Banksia	<i>Banksia serrata</i>	17	17	26	6	3	70	3a	2.0	1.9	Retain	<Null>			
T1036	Silvertop Ash	<i>Eucalyptus sieberi</i>	36	36	43	16	10	60	3b	4.3	2.3	Retain	<Null>			leaning 15deg over road, smll deadwood
T1037	Silvertop Ash	<i>Eucalyptus sieberi</i>	11	11	16	8	3	85	2a	1.3	1.5	Retain	<Null>			

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T1038	Silvertop Ash	<i>Eucalyptus sieberi</i>	72	72	78	22	12	75	2a	8.6	3.0	Remove	APZ			2x northern branches have been lopped
T1039	Silvertop Ash	<i>Eucalyptus sieberi</i>	63	63	83	20	13	85	2a	7.6	3.1	Retain	<Null>			smll deadwood
T1040	Silvertop Ash	<i>Eucalyptus sieberi</i>	34	34	40	14	9	70	3b	4.1	2.3	Retain	<Null>			leaning 20deg over road, bowed trunk, poor form
T1041	Old Man Banksia	<i>Banksia serrata</i>	10	10	21	3	2	80	3a	1.2	1.7	Remove	APZ			
T1042	Sydney Peppermint	<i>Eucalyptus piperita</i>	17,12,7	22	38	8	6	40	3b	2.6	2.2	Remove	APZ			3x trunks at 0m, smll deadwood
T1043	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	54	16	7	60	3b	4.8	2.6	Remove	APZ			trunk leaning 15deg 0-2m, trunk twisted, crowded , suppressed, poor form
T1044	Silvertop Ash	<i>Eucalyptus sieberi</i>	38	38	43	20	10	70	2a	4.6	2.3	Remove	APZ			med deadwood
T1045	Silvertop Ash	<i>Eucalyptus sieberi</i>	20	20	24	14	11	60	3a	2.4	1.8	Retain	<Null>			leaning over road, smll deadwood, poor form
T1046	Silvertop Ash	<i>Eucalyptus sieberi</i>	38	38	46	20	9	75	2a	4.6	2.4	Remove	APZ			leaning 10deg, smll & med deadwood
T1047	Silvertop Ash	<i>Eucalyptus sieberi</i>	29	29	43	12	9	25	4a	3.5	2.3	Remove	Dangerous tree			dying, very smll branch with leaves, trunk leaning 15deg
T1048	Dead Stag	Dead Stag	18	18	24	11	3	0	4a	2.2	1.8	Remove	Dangerous tree			
T1049	Sydney Peppermint	<i>Eucalyptus piperita</i>	44	44	46	15	8	50	3b	5.3	2.4	Remove	APZ			some epicormic growth, dmged bark & exposed wood at 2m
T1050	Slash Pine	<i>Pinus ellioti</i>	25	25	33	23	5	35	4a	3.0	2.1	Remove	Dangerous tree			declining, only upper 20% of tree has canopy, crowded
T1051	Slash Pine	<i>Pinus ellioti</i>	35	35	42	23	7	35	4a	4.2	2.3	Remove	Dangerous tree			declining, crowded, sparse & patchy canopy, lots smll deadwood
T1052	Slash Pine	<i>Pinus ellioti</i>	13	13	24	10	3	30	4a	1.6	1.8	Remove	Dangerous tree			declining, crowded, suppressed, lots smll deadwood, sparse canopy
T1053	Sydney Peppermint	<i>Eucalyptus piperita</i>	14	14	26	7	5	35	4a	1.7	1.9	Remove	Dangerous tree			crowded, suppressed, med deadwood, exposed wood at 0.5m poor formm
T1054	Sydney Peppermint	<i>Eucalyptus piperita</i>	10	10	18	10	4	35	4a	1.2	1.6	Remove	Dangerous tree			severely suppressed, trunk twisted, 0.5m bow in first 1m
T1055	Slash Pine	<i>Pinus ellioti</i>	27	27	32	23	2.5	35	4a	3.2	2.1	Remove	Dangerous tree			crowded, suppressed, lots smll deadwood
T1056	Slash Pine	<i>Pinus ellioti</i>	55	55	57	24	7	40	3a	6.6	2.6	Retain	<Null>			
T1057	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	24	10	6	65	2a	2.2	1.8	Retain	<Null>			significant bow in trunk
T1058	Old Man Banksia	<i>Banksia serrata</i>	20	20	26	6	4	75	2a	2.4	1.9	Retain	<Null>			
T1059	Old Man Banksia	<i>Banksia serrata</i>	22	22	28	4	3	70	2a	2.6	1.9	Retain	<Null>			
T1060	Silvertop Ash	<i>Eucalyptus sieberi</i>	43	43	53	23	9	80	2a	5.2	2.5	Retain	<Null>			
T1161	Silvertop Ash	<i>Eucalyptus sieberi</i>	89	89	100	18	15	80	3b	10.7	3.3	Remove	Development			possible termites in base
T1062	Narrow-leaved Stringybark	<i>Eucalyptus sparsifolia</i>	19	19	30	8	5	70	3c	2.3	2.0	Remove	Development			slightly suppressed, canopy offcentre
T1063	Silvertop Ash	<i>Eucalyptus sieberi</i>	33	33	40	10	6	80	2a	4.0	2.3	Remove	Development			slightly suppressed
T1064	Silvertop Ash	<i>Eucalyptus sieberi</i>	85	85	95	20	17	80	2a	10.2	3.2	Remove	Development	V2		some small med deadwood
T1065	Dead stag	Dead stag	23	23	23	8	4	0	4a	2.8	1.8	Remove	Dangerous tree			
T1066	Sydney Peppermint	<i>Eucalyptus piperita</i>	46	46	50	20	14	65	3c	5.5	2.5	Retain	<Null>			canopy offcentre
T1067	Dead stag	Dead stag	19	19	23	12	3	0	4a	2.3	1.8	Remove	Dangerous tree			
T1068	Dead stag	Dead stag	40	40	45	12	8	0	4a	4.8	2.4	Remove	Dangerous tree			
T1069	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	25	10	7	55	4c	3.0	1.8	Remove	Dangerous tree			trunk at 45deg
T1070	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	18	14	4	60	3a	1.9	1.6	Remove	Development			suppressed, small deadwood

119 Cliff Drive, Katoomba

Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T1071	Sydney Peppermint	<i>Eucalyptus piperita</i>	33	33	40	15	8	65	3c	4.0	2.3	Remove	Development			small crown, epicormic growth
T1072	Sydney Peppermint	<i>Eucalyptus piperita</i>	17	17	18	14	5	60	3a	2.0	1.6	Remove	Development			suppressed, small crown, small deadwood
T1073	Sydney Peppermint	<i>Eucalyptus piperita</i>	19	19	25	10	10	65	4c	2.3	1.8	Remove	Dangerous tree			trunk at 60deg
T1074	Sweet Pittosporum	<i>Pittosporum undulatum</i>	26	26	35	8	8	80	2a	3.1	2.1	Remove	Development			
T1075	Dead stag	Dead stag	40	40	45	18	5	0	4a	4.8	2.4	Remove	Dangerous tree			
T1076	Sydney Peppermint	<i>Eucalyptus piperita</i>	68	68	85	17	12	60	3d	8.2	3.1	Remove	Development			exposed wood at base 3m 8m,med deadwood
T1077	Sydney Peppermint	<i>Eucalyptus piperita</i>	58	58	80	17	16	70	2a	7.0	3.0	Remove	Development			small deadwood, exposed wood at 3m
T1078	Pencil Pine	<i>Cupressus sp.</i>	20	20	30	7	4	75	2a	2.4	2.0	Retain	<Null>			
T1079	Sydney Peppermint	<i>Eucalyptus piperita</i>	64	64	80	14	10	70	2a	7.6	3.0	Retain	<Null>			
T1080	Silvertop Ash	<i>Eucalyptus sieberi</i>	39	39	50	10	5	50	3b	4.7	2.5	Remove	Development			exposed wood at 10m, damaged crown
T1081	Silvertop Ash	<i>Eucalyptus sieberi</i>	58	58	65	15	8	65	4c	7.0	2.8	Remove	Dangerous tree			trunk at 60deg, probable termites in base
T1082	Silvertop Ash	<i>Eucalyptus sieberi</i>	110	110	130	17	15	50	4c	13.2	3.7	Remove	Dangerous tree			cambium missing from most of base, probable termites, exposed wood at base, large deadwood
T1083	Sydney Peppermint	<i>Eucalyptus piperita</i>	33	33	38	17	12	70	2a	4.0	2.2	Remove	Development			
T1084	Silvertop Ash	<i>Eucalyptus sieberi</i>	35	35	36	15	12	70	4c	4.2	2.2	Remove	Dangerous tree			trunk at 60deg
T1085	Sydney Peppermint	<i>Eucalyptus piperita</i>	27	27	35	16	10	70	3c	3.2	2.1	Remove	Development			exposed wood at base, small deadwood
T1086	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	26	26	27	12	6	65	3c	3.1	1.9	Retain	<Null>			small canopy offcentre, supressed
T1087	Old Man Banksia'	<i>Banksia serrata</i>	26	26	34	4	5	70	3c	3.1	2.1	Retain	<Null>			some broken branches
T1088	Sydney Peppermint	<i>Eucalyptus piperita</i>	57	57	70	15	12	60	4c	6.8	2.8	Remove	Dangerous tree			HT46, large hollow at base, med small deadwood
T1089	Sydney Peppermint	<i>Eucalyptus piperita</i>	30	30	40	14	6	65	3b	3.6	2.3	Retain	<Null>			trunk at 60deg
T1090	Sydney Peppermint	<i>Eucalyptus piperita</i>	55	55	70	17	10	60	3c	6.6	2.8	Remove	Development			crowd offcentre, smll deadwood
T1091	Sydney Peppermint	<i>Eucalyptus piperita</i>	43	43	45	17	10	70	3c	5.2	2.4	Remove	Development			canopy offcentre, med deadwood
T1092	Silvertop Ash	<i>Eucalyptus sieberi</i>	88	88	100	18	14	65	2d	10.6	3.3	Remove	Development			crowd offcentre, large overhanging branch, med deadwood
T1093	Sydney Peppermint	<i>Eucalyptus piperita</i>	47	47	90	12	8	60	3c	5.7	3.2	Remove	Development			supressed
T1094	Sydney Peppermint	<i>Eucalyptus piperita</i>	46	46	75	12	6	55	4c	5.5	2.9	Remove	Dangerous tree			decaying exposed wood at base to 4m
T1095	Sydney Peppermint	<i>Eucalyptus piperita</i>	77	77	100	20	15	70	2d	9.2	3.3	Remove	Development			smaller trunks at 60deg, med deadwood
T1096	Sydney Peppermint	<i>Eucalyptus piperita</i>	67	67	80	18	12	65	4c	8.0	3.0	Remove	Dangerous tree			HT47 hollow & decaying at base
T1097	Silvertop Ash	<i>Eucalyptus sieberi</i>	25	25	35	14	5	60	4c	3.0	2.1	Remove	Dangerous tree			trunk at 50deg
T1098	Blaxland's Stringybark	<i>Eucalyptus blaxlandii</i>	37	37	40	12	8	60	4c	4.4	2.3	Remove	Dangerous tree			trunk at 45deg
T1099	Sydney Peppermint	<i>Eucalyptus piperita</i>	43	43	45	17	8	60	4c	5.2	2.4	Remove	Dangerous tree			trunk at 50deg, exposed decaying wood at base, med deadwood
T1100	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	50	17	9	60	3b	4.8	2.5	Retain	<Null>			hollow & decaying at base, med deadwood
T1101	Dead stag	Dead stag	21	21	30	12	3	0	4a	2.5	2.0	Remove	Dangerous tree			
T1102	Dead stag	Dead stag	30	30	37	12	1	0	4a	3.6	2.2	Remove	Dangerous tree			

119 Cliff Drive, Katoomba

Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T1103	Silvertop Ash	<i>Eucalyptus sieberi</i>	15	15	18	7	3	60	4c	1.8	1.6	Remove	Dangerous tree			trunk at 45deg
T1104	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	25	13	4	65	3b	1.9	1.8	Remove	Development			trunk at 60deg, ants in base
T1105	Dead stag	Dead stag	39	39	50	18	10	0	4a	4.7	2.5	Remove	Dangerous tree			
T1106	Sydney Peppermint	<i>Eucalyptus piperita</i>	134	134	170	15	8	55	4c	16.1	4.1	Remove	Dangerous tree			SHT4 decaying trunk to 5m
T1107	Sydney Peppermint	<i>Eucalyptus piperita</i>	27	27	30	9	5	65	3b	3.2	2.0	Retain	<Null>			trunk at 60deg
T1108	Dead stag	Dead stag	17	17	20	8	3	0	4a	2.0	1.7	Remove	Dangerous tree			
T1109	Sydney Peppermint	<i>Eucalyptus piperita</i>	22	22	28	9	4	60	3a	2.6	1.9	Retain	<Null>			supressed, canopy offcentre
T1110	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	35	12	4	55	3a	3.0	2.1	Remove	Development			supressed, small canopy, epicormic growth
T1111	Dead stag	Dead stag	27	27	35	14	5	0	4a	3.2	2.1	Remove	Dangerous tree			
T1112	Dead stag	Dead stag	38	38	43	15	8	0	4a	4.6	2.3	Remove	Dangerous tree			
T1113	Dead stag	Dead stag	32	32	35	12	5	0	4a	3.8	2.1	Remove	Dangerous tree			
T1114	Dead stag	Dead stag	26	26	30	13	4	0	4a	3.1	2.0	Remove	Dangerous tree			
T1115	Dead stag	Dead stag	53	53	60	18	10	0	4a	6.4	2.7	Remove	Dangerous tree			
T1116	Dead stag	Dead stag	23	23	30	14	5	0	4a	2.8	2.0	Remove	Dangerous tree			
T1117	Silvertop Ash	<i>Eucalyptus sieberi</i>	47	47	50	20	10	70	2d	5.6	2.5	Remove	Development			crown offcentre, overhanging branches
T1118	Sydney Peppermint	<i>Eucalyptus piperita</i>	29	29	30	12	7	65	2c	3.5	2.0	Remove	Development			crown offcentre
T1119	Sydney Peppermint	<i>Eucalyptus piperita</i>	19	19	23	10	2	55	3a	2.3	1.8	Retain	<Null>			supressed, small canopy
T1120	Silvertop Ash	<i>Eucalyptus sieberi</i>	40	40	45	14	9	75	2a	4.8	2.4	Retain	<Null>			
T1121	Dead stag	Dead stag	17	17	19	8	3	0	4a	2.0	1.6	Remove	Dangerous tree			
T1122	Dead stag	Dead stag	18	18	30	12	3	0	4a	2.2	2.0	Remove	Dangerous tree			
T1123	Dead stag	Dead stag	16	16	19	5	2	0	4a	1.9	1.6	Remove	Dangerous tree			
T1124	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	19	10	3	30	4a	1.9	1.6	Remove	Dangerous tree			supressed, dying
T1125	Sydney Peppermint	<i>Eucalyptus piperita</i>	22	22	30	12	6	55	3c	2.6	2.0	Remove	Development			supressed, small crown, trunk at 70deg
T1126	Dead stag	Dead stag	32	32	35	13	4	0	4a	3.8	2.1	Remove	Dangerous tree			
T1127	Sydney Peppermint	<i>Eucalyptus piperita</i>	16	16	20	10	7	60	3b	1.9	1.7	Retain	<Null>			trunk at 60deg
T1128	Sydney Peppermint	<i>Eucalyptus piperita</i>	35	35	40	17	6	60	3a	4.2	2.3	Remove	Development			supressed, small canopy, small kino
T1129	Dead stag	Dead stag	37	37	38	8	8	65	4a	4.4	2.2	Remove	Dangerous tree			
T1130	Sydney Peppermint	<i>Eucalyptus piperita</i>	20	20	25	8	4	55	4a	2.4	1.8	Remove	Dangerous tree			declining, supressed
T1131	Sydney Peppermint	<i>Eucalyptus piperita</i>	29	29	30	11	5	55	4a	3.5	2.0	Remove	Dangerous tree			decining
T1132	Sydney Peppermint	<i>Eucalyptus piperita</i>	39	39	45	14	8	70	3b	4.7	2.4	Retain	<Null>			trunk at 60deg
T1133	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	22	14	6	65	3a	2.2	1.8	Remove	Development			supressed
T1134	Sydney Peppermint	<i>Eucalyptus piperita</i>	32	32	35	16	8	60	2a	3.8	2.1	Retain	<Null>			

119 Cliff Drive, Katoomba

Tag No	Common Name	Scientific Name	DBH (cm)	Calculate DBH	BD (cm)	Height (m)	Spread (m)	Vigour	Short SULE	TPZ Radius (m)	SRZ Radius (m)	Retain/ Remove	Reason Removal	Vis. Sig.	Habitat Tree	Comment
T1135	Silvertop Ash	<i>Eucalyptus sieberi</i>	18	18	28	15	4	60	3b	2.2	1.9	Remove	Development			trunk stressed 60deg, small canopy, supressed
T1136	Sydney Peppermint	<i>Eucalyptus piperita</i>	46	46	50	20	14	70	2a	5.5	2.5	Remove	Development			slightly stressed, epicormic growth
T1137	Sydney Peppermint	<i>Eucalyptus piperita</i>	40	40	42	18	12	70	2d	4.8	2.3	Retain	<Null>			crown offcentre & overhanging
T1138	Silvertop Ash	<i>Eucalyptus sieberi</i>	28	28	32	14	6	60	3c	3.4	2.1	Retain	<Null>			small canopy, offcentre, supressed
T1139	Sydney Peppermint	<i>Eucalyptus piperita</i>	18	18	22	13	5	60	3b	2.2	1.8	Retain	<Null>			trunk at 60deg
T1140	Silvertop Ash	<i>Eucalyptus sieberi</i>	23	23	25	10	5	70	3b	2.8	1.8	Retain	<Null>			trunk at 60deg
T1141	Sydney Peppermint	<i>Eucalyptus piperita</i>	60	60	70	20	14	80	2a	7.2	2.8	Retain	<Null>			
T1142	Sydney Peppermint	<i>Eucalyptus piperita</i>	83	83	100	18	15	70	2d	10.0	3.3	Retain	<Null>			large overhanging branch, offcentre, possible termites at 1m, = white tag 77
T1143	Sydney Peppermint	<i>Eucalyptus piperita</i>	25	25	30	13	6	65	3c	3.0	2.0	Remove	Development			trunk at 70deg, crown offcentre
T1144	Blue Mountains Ash	<i>Eucalyptus oreades</i>	28	28	30	12	6	85	2a	3.4	2.0	Retain	<Null>			
T1145	Silvertop Ash	<i>Eucalyptus sieberi</i>	23	23	30	8	3	65	3c	2.8	2.0	Remove	Development			declining

Note 1: Visual Significance

V1 – High significance typically >25m height/ >20m spread / >600mm DBH – Large emergent tree
V2 – Moderate significance generally 15-25m height/ >10m spread>600mm DBH – Prominent tree typically with a large spread
V3 – Low significance >10m height/ >10m spread>600mm DBH –Typically a visually attractive low tree with large spread and DBH

Note 2: Habitat Trees

The habitat trees recorded within the study area fall under one of three categories:

- Category 1: Significant habitat trees (high):
- Large hollow suitable for cockatoos or large forest owls >30cm and/or
 - Trees containing two (2) or more good quality medium hollows 10-30cm and/or
 - >8 small hollows

- Category 2: Significant habitat trees (moderate)
- Trees containing one medium hollow 10-30cm and/or
 - 3-8 small hollows

Category 3: Remaining hollow bearing trees generally containing small or low numbers of hollows

Note 3: SULE Rating (refer to detailed breakdown in Schedule 3)

- 1A to 1C

Trees that appear to be retainable at the time of assessment with more than 40 years life expectancy with acceptable risk.
- 2A to 2D

Trees that appear to be retainable at the time of assessment with 15-40 years life expectancy with acceptable risk.
- 3A to 3D

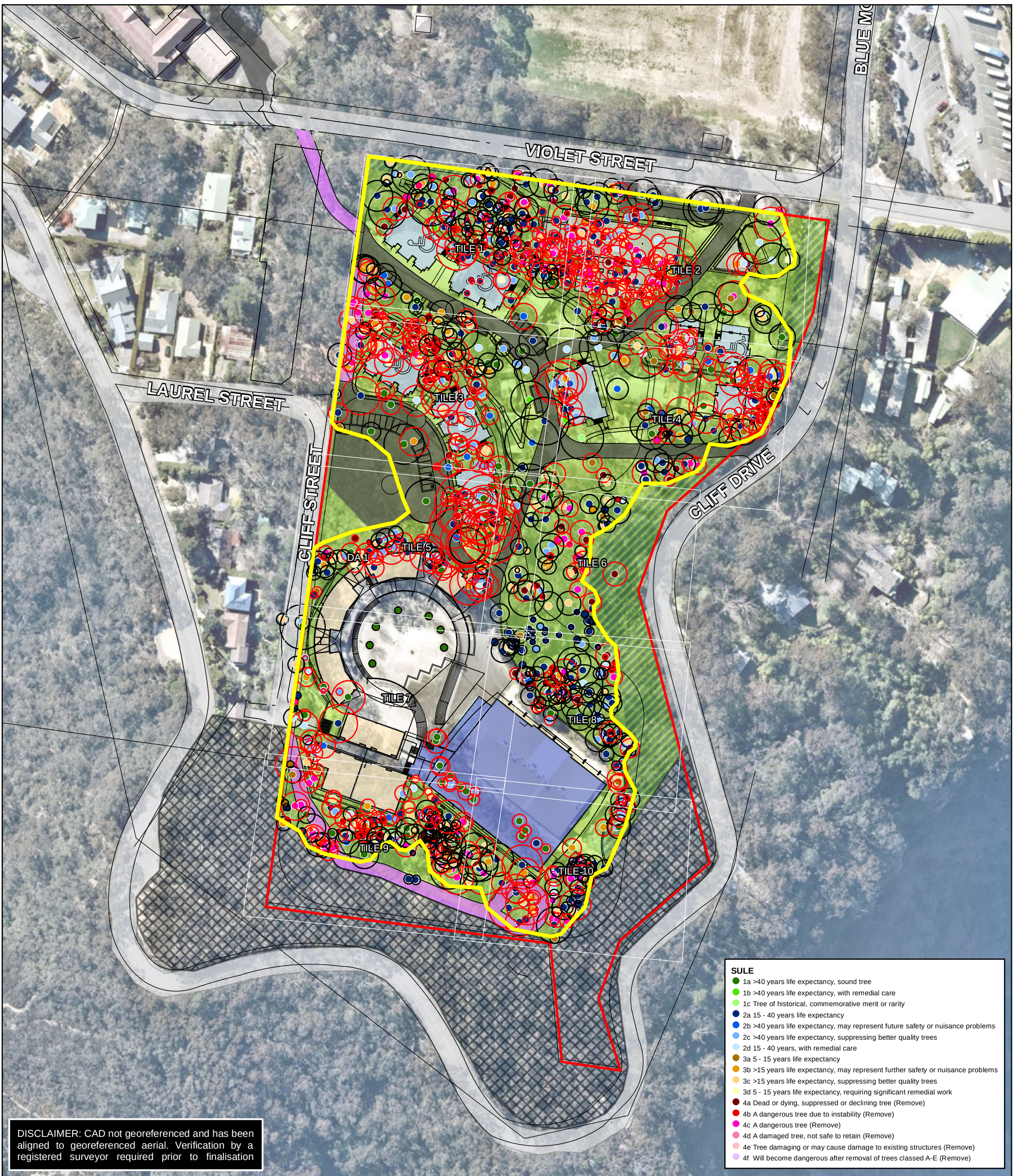
Trees that may be retainable at the time of assessment with 5-15 years life expectancy with risks assessed on a case by case basis.
- 4A to 4F

Trees with a high level of risk and should be removed.

Note 4: If the proposed encroachment is less than 10% of the TPZ and is outside the SRZ, detailed root investigations should not be required. The area lost to this encroachment should be compensated for elsewhere, and be contiguous with the TPZ (S3.3.2, AS4970-2009)

Schedule 2

SULE Assessment Plan



DISCLAIMER: CAD not georeferenced and has been aligned to georeferenced aerial. Verification by a registered surveyor required prior to finalisation

- SULE**
- 1a >40 years life expectancy, sound tree
 - 1b >40 years life expectancy, with remedial care
 - 1c Tree of historical, commemorative merit or rarity
 - 2a 15 - 40 years life expectancy
 - 2b >40 years life expectancy, may represent future safety or nuisance problems
 - 2c >40 years life expectancy, suppressing better quality trees
 - 2d 15 - 40 years, with remedial care
 - 3a 5 - 15 years life expectancy
 - 3b >15 years life expectancy, may represent further safety or nuisance problems
 - 3c >15 years life expectancy, suppressing better quality trees
 - 3d 5 - 15 years life expectancy, requiring significant remedial work
 - 4a Dead or dying, suppressed or declining tree (Remove)
 - 4b A dangerous tree due to instability (Remove)
 - 4c A dangerous tree (Remove)
 - 4d A damaged tree, not safe to retain (Remove)
 - 4e Tree damaging or may cause damage to existing structures (Remove)
 - 4f Will become dangerous after removal of trees classed A-E (Remove)

Legend

- Site boundary
- Tree investigation area (source: CAD)
- Existing access
- Internal access
- Proposed fire trail
- Meeting/Seminar rooms/bookstore

Proposed redevelopment

- Accommodation
- Dining
- Auditorium
- Retained EPP habitat (1.572ha)

Asset Protection Zone (APZ)

- Inner Protection Area (IPA)
- Outer Protection Area (OPA)
- Trees to remove
- Trees to retain



PROJECT & MXD REFERENCE
Cliff Drive, Katoomba
A16026_T001

DATE & ISSUE NUMBER
22/02/2018
Issue 1

SCALE & COORDINATE SYSTEM
1:1,500 @ A3
GDA 1994 MGA Zone 56

TITLE
Tree Removal Plan (Overview)

Aerial source: Nearmap

0 25 50 m

Disclaimer: The mapping is indicative of available space and location of features which may prove critical in assessing the viability of the proposed works. Mapping has been produced on a map base with an inherent level of inaccuracy, the location of all mapped features are to be confirmed by a registered surveyor.

- SULE**
- 1a >40 years life expectancy, sound tree
 - 1b >40 years life expectancy, with remedial care
 - 1c Tree of historical, commemorative merit or rarity
 - 2a 15 - 40 years life expectancy
 - 2b >40 years life expectancy, may represent future safety or nuisance problems
 - 2c >40 years life expectancy, suppressing better quality trees
 - 2d 15 - 40 years, with remedial care
 - 3a 5 - 15 years life expectancy
 - 3b >15 years life expectancy, may represent further safety or nuisance problems
 - 3c >15 years life expectancy, suppressing better quality trees
 - 3d 5 - 15 years life expectancy, requiring significant remedial work
 - 4a Dead or dying, suppressed or declining tree (Remove)
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 - 4c A dangerous tree (Remove)
 - 4d A damaged tree, not safe to retain (Remove)
 - 4e Tree damaging or may cause damage to existing structures (Remove)
 - 4f Will become dangerous after removal of trees classed A-E (Remove)

VIOLET STREET

DISCLAIMER: CAD not georeferenced and has been aligned to georeferenced aerial. Verification by a registered surveyor required prior to finalisation.

Legend

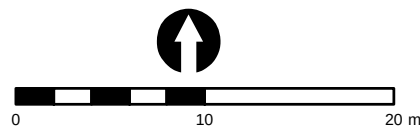
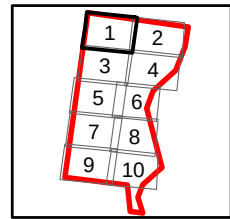
- Site boundary (source: LPI)
- Existing access
- Internal access
- Proposed fire trail
- Buildings approved

- Accommodation
- Dining
- Auditorium
- Retained EPP habitat
- Drainage corridor (0.14ha)

- Trees to be removed
- Trees to be retained
- Habitat tree

Asset Protection Zone (APZ)

- Inner Protection Area (IPA)
- Outer Protection Area (OPA)



Disclaimer: The mapping is indicative of available space and location of features which may prove critical in assessing the viability of the proposed works. Mapping has been produced on a map base with an inherent level of inaccuracy, the location of all mapped features are to be confirmed by a registered surveyor.

PROJECT & MXD REFERENCE
Cliff Drive, Katoomba
A16026_T002

DATE & ISSUE NUMBER
20/02/2018
Issue 1

SCALE & COORDINATE SYSTEM
1:400 @A3
GDA 1994 MGA Zone 56

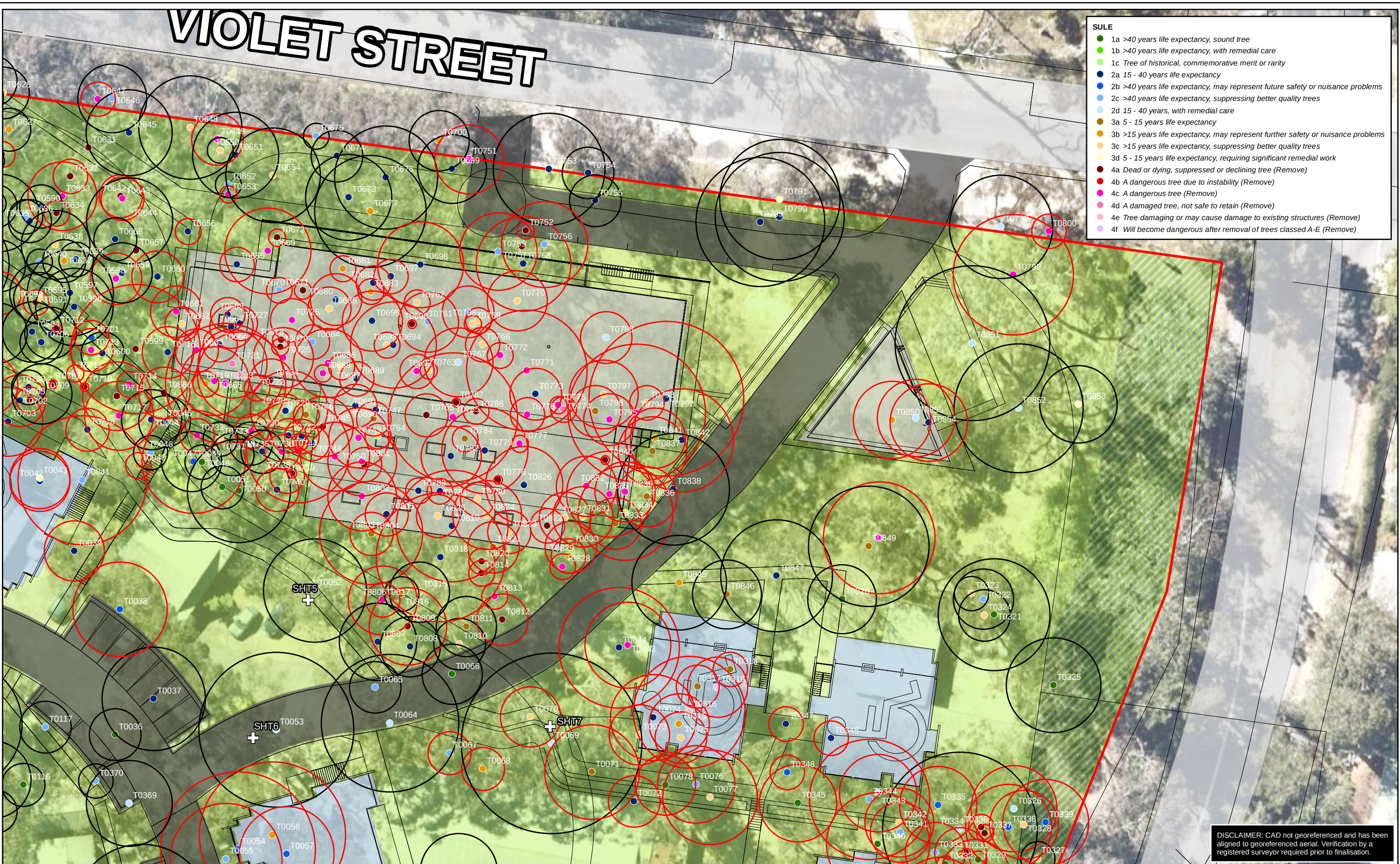
TITLE
Tree Retention and Removal Plan (Zoom 1 of 10)

Document Path: N:\GIS STORAGE\N Drive\A16026_Cliff Drive_Katoomba\MXD\A16026_T002.mxd



VIOLET STREET

- SULE**
- 1a >40 years life expectancy, sound tree
 - 1b >40 years life expectancy, with remedial care
 - 1c Tree of historical, commemorative merit or rarity
 - 2a 15 - 40 years life expectancy
 - 2b >40 years life expectancy, may represent future safety or nuisance problems
 - 2c >40 years life expectancy, suppressing better quality trees
 - 2d 15 - 40 years, with remedial care
 - 3a 5 - 15 years life expectancy
 - 3b >15 years life expectancy, may represent further safety or nuisance problems
 - 3c >15 years life expectancy, suppressing better quality trees
 - 3d 5 - 15 years life expectancy, requiring significant remedial work
 - 4a Dead or dying, suppressed or declining tree (Remove)
 - 4b A dangerous tree due to instability (Remove)
 - 4c A dangerous tree (Remove)
 - 4d A damaged tree, not safe to retain (Remove)
 - 4e Tree damaging or may cause damage to existing structures (Remove)
 - 4f Will become dangerous after removal of trees classed A-E (Remove)



DISCLAIMER: CAD not georeferenced and has been aligned to georeferenced aerial. Verification by a registered surveyor required prior to finalisation.

Legend

- Site boundary (source: LPI)
- Existing access
- Internal access
- Proposed fire trail
- Buildings approved
- Accommodation
- Dining
- Auditorium
- Retained EPP habitat
- Drainage corridor (0.14ha)
- Trees to be removed
- Trees to be retained
- Habitat tree
- Asset Protection Zone (APZ)**
- Inner Protection Area (IPA)
- Outer Protection Area (OPA)

Source: Nearmap

0 10 20 m

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PROJECT & MXD REFERENCE
Cliff Drive, Katoomba
A16026_T002

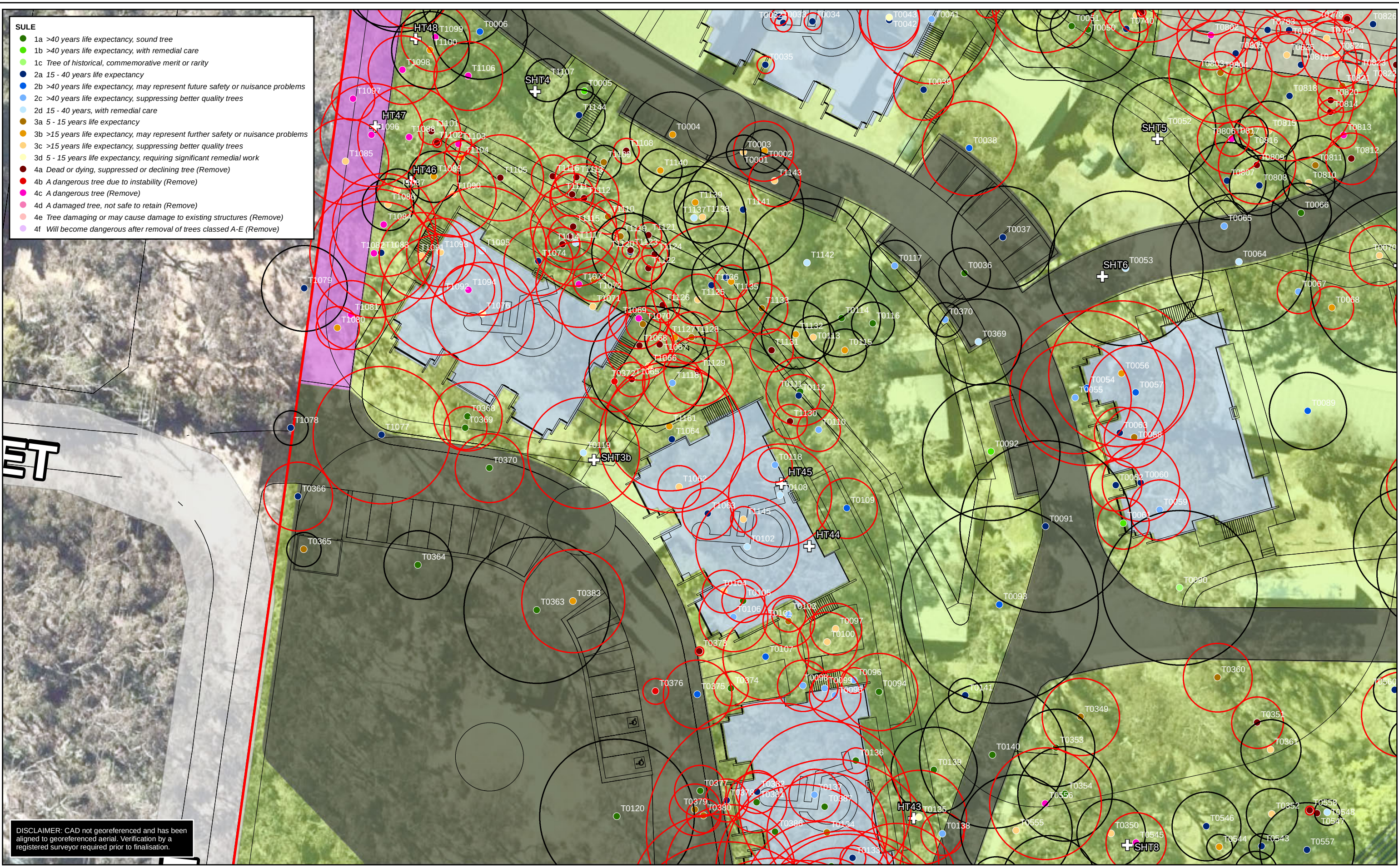
DATE & ISSUE NUMBER
20/02/2018
Issue 1

SCALE & COORDINATE SYSTEM
1:400 @A3
GDA 1994 MGA Zone 56

TITLE
Tree Retention and Removal Plan (Zoom 2 of 10)

Document Path: N:\GIS STORAGE\N Drive\A16026 - Cliff Drive - Katoomba\MXD\A16026_T002.mxd



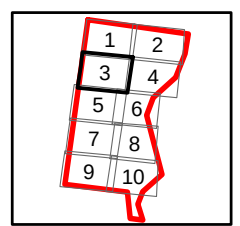


- SULE**
- 1a >40 years life expectancy, sound tree
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 - 4e Tree damaging or may cause damage to existing structures (Remove)
 - 4f Will become dangerous after removal of trees classed A-E (Remove)

- Legend**
- Site boundary (source: LPI)
 - Existing access
 - Internal access
 - Proposed fire trail
 - Buildings approved

- Accommodation
- Dining
- Auditorium
- Retained EPP habitat
- Drainage corridor (0.14ha)

- Trees to be removed
- Trees to be retained
- Habitat tree
- Asset Protection Zone (APZ)**
- Inner Protection Area (IPA)
- Outer Protection Area (OPA)



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PROJECT & MXD REFERENCE
Cliff Drive, Katoomba
A16026_T002

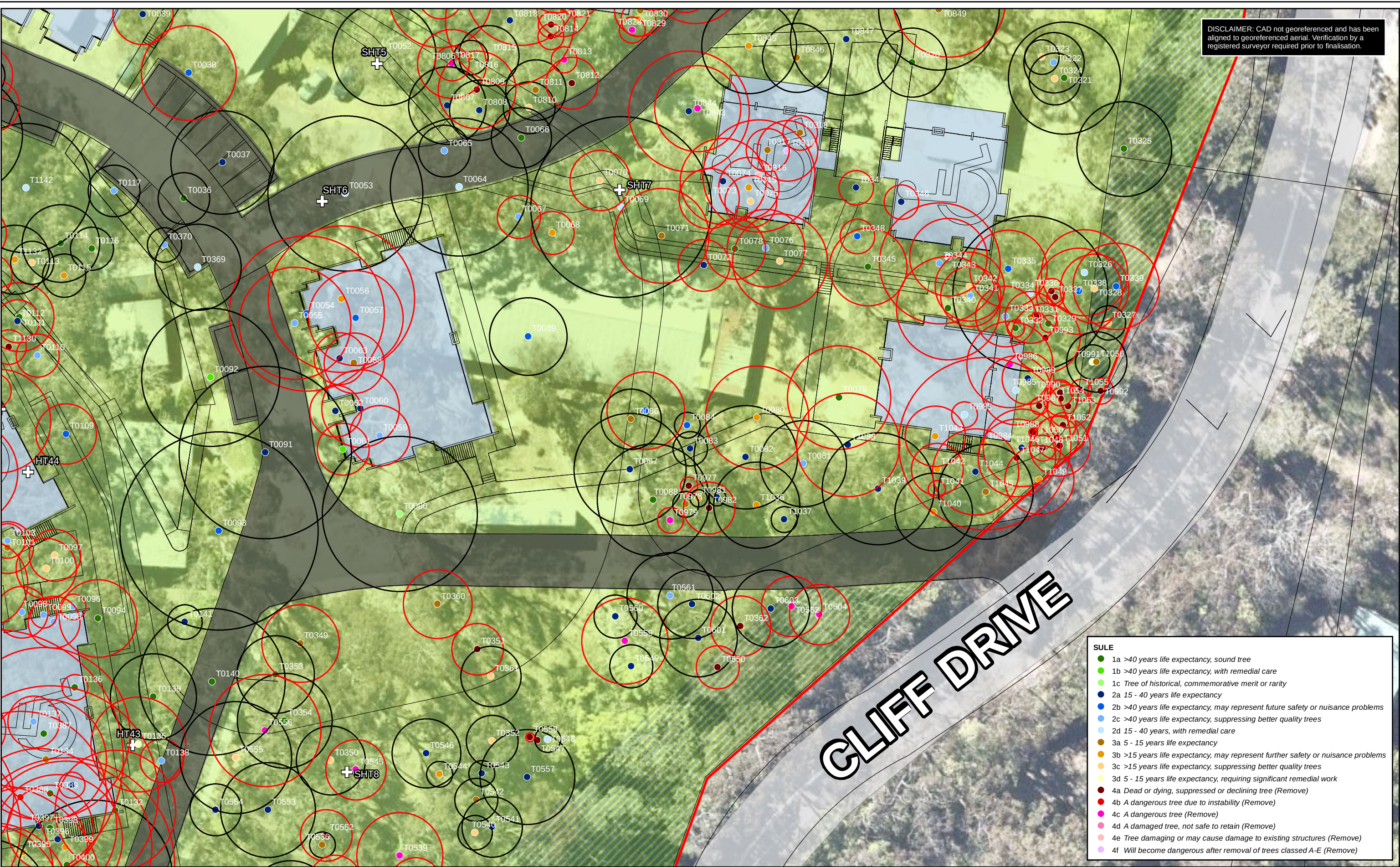
DATE & ISSUE NUMBER
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Issue 1

SCALE & COORDINATE SYSTEM
1:400 @A3
GDA 1994 MGA Zone 56

TITLE
Tree Retention and Removal Plan (Zoom 3 of 10)



DISCLAIMER: CAD not georeferenced and has been aligned to georeferenced aerial. Verification by a registered surveyor required prior to finalisation.



Legend

- Site boundary (source: LPI)
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- Buildings approved
- Accommodation
- Dining
- Auditorium
- Retained EPP habitat
- Drainage corridor (0.14ha)
- Trees to be removed
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- Asset Protection Zone (APZ)**
- Inner Protection Area (IPA)
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PROJECT & MXD REFERENCE

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A16026_T002

DATE & ISSUE NUMBER

20/02/2018
Issue 1

SCALE & COORDINATE SYSTEM

1:400 @A3
GDA 1994 MGA Zone 56

TITLE

Tree Retention and Removal Plan (Zoom 4 of 10)

Document Path: N:\GIS STORAGE\N Drive\A16026 - Cliff Drive - Katoomba\MXD\A16026_T002.mxd



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CLIFF STREET

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Legend

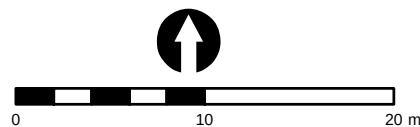
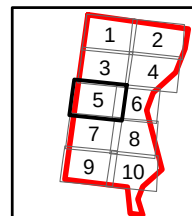
- Site boundary (source: LPI)
- Existing access
- Internal access
- Proposed fire trail
- Buildings approved

- Accommodation
- Dining
- Auditorium
- Retained EPP habitat
- Drainage corridor (0.14ha)

- Trees to be removed
- Trees to be retained
- Habitat tree

Asset Protection Zone (APZ)

- Inner Protection Area (IPA)
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PROJECT & MXD REFERENCE
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A16026_T002

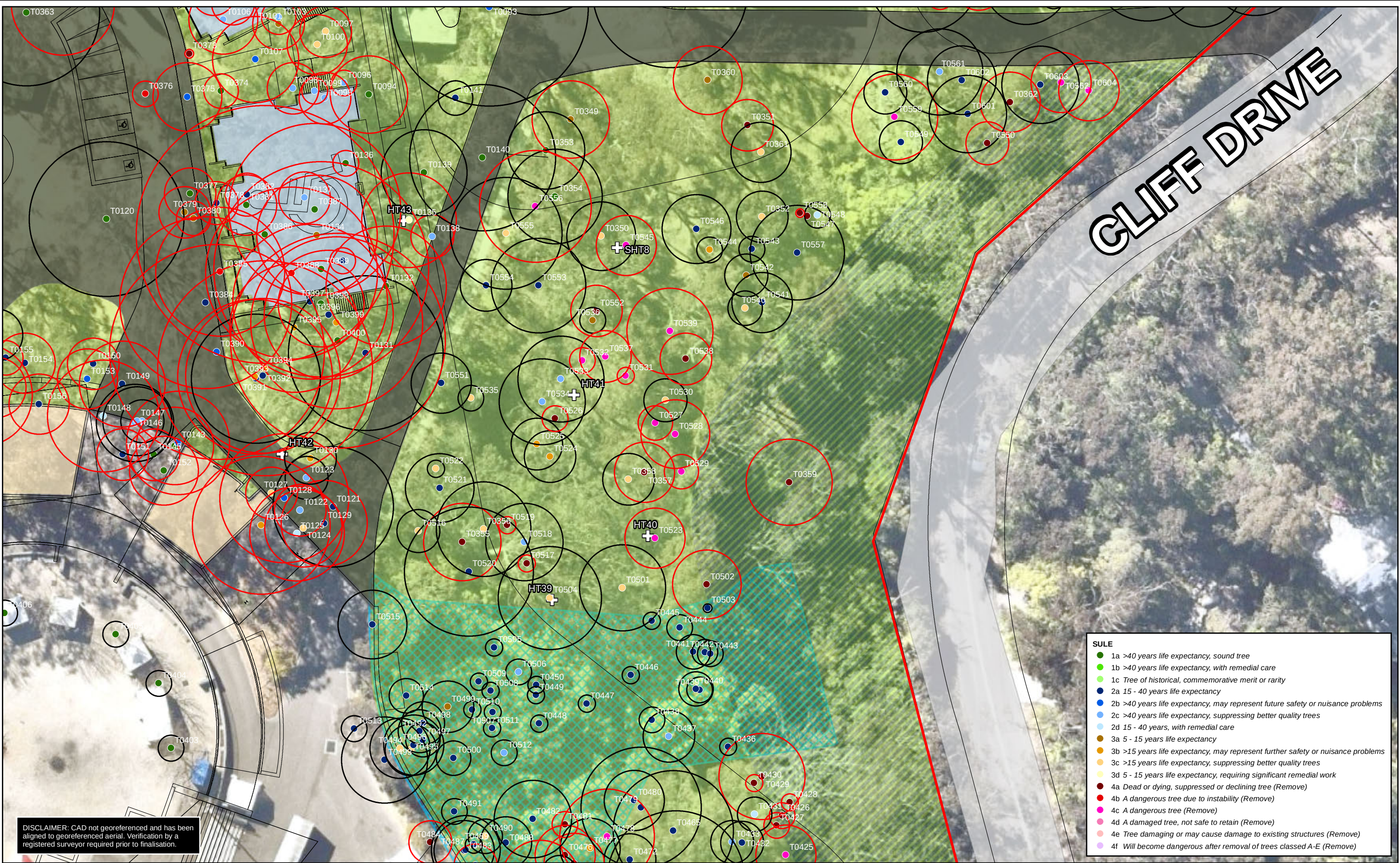
DATE & ISSUE NUMBER
20/02/2018
Issue 1

SCALE & COORDINATE SYSTEM
1:400 @A3
GDA 1994 MGA Zone 56

TITLE
Tree Retention and Removal Plan (Zoom 5 of 10)

Document Path: N:\GIS STORAGE\N Drive\A16026_CliffDrive_Katoomba\MXD\A16026_T002.mxd





Legend

Site boundary (source: LPI)

Existing access

Internal access

Proposed fire trail

Buildings approved

Accommodation

Dining

Auditorium

Retained EPP habitat

Drainage corridor (0.14ha)

Trees to be removed

Trees to be retained

Habitat tree

Asset Protection Zone (APZ)

Inner Protection Area (IPA)

Outer Protection Area (OPA)

1 2

3 4

5 6

7 8

9 10

0 10 20 m

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PROJECT & MXD REFERENCE

Cliff Drive, Katoomba

A16026_T002

TITLE

Tree Retention and Removal Plan (Zoom 6 of 10)

DATE & ISSUE NUMBER

20/02/2018

Issue 1

SCALE & COORDINATE SYSTEM

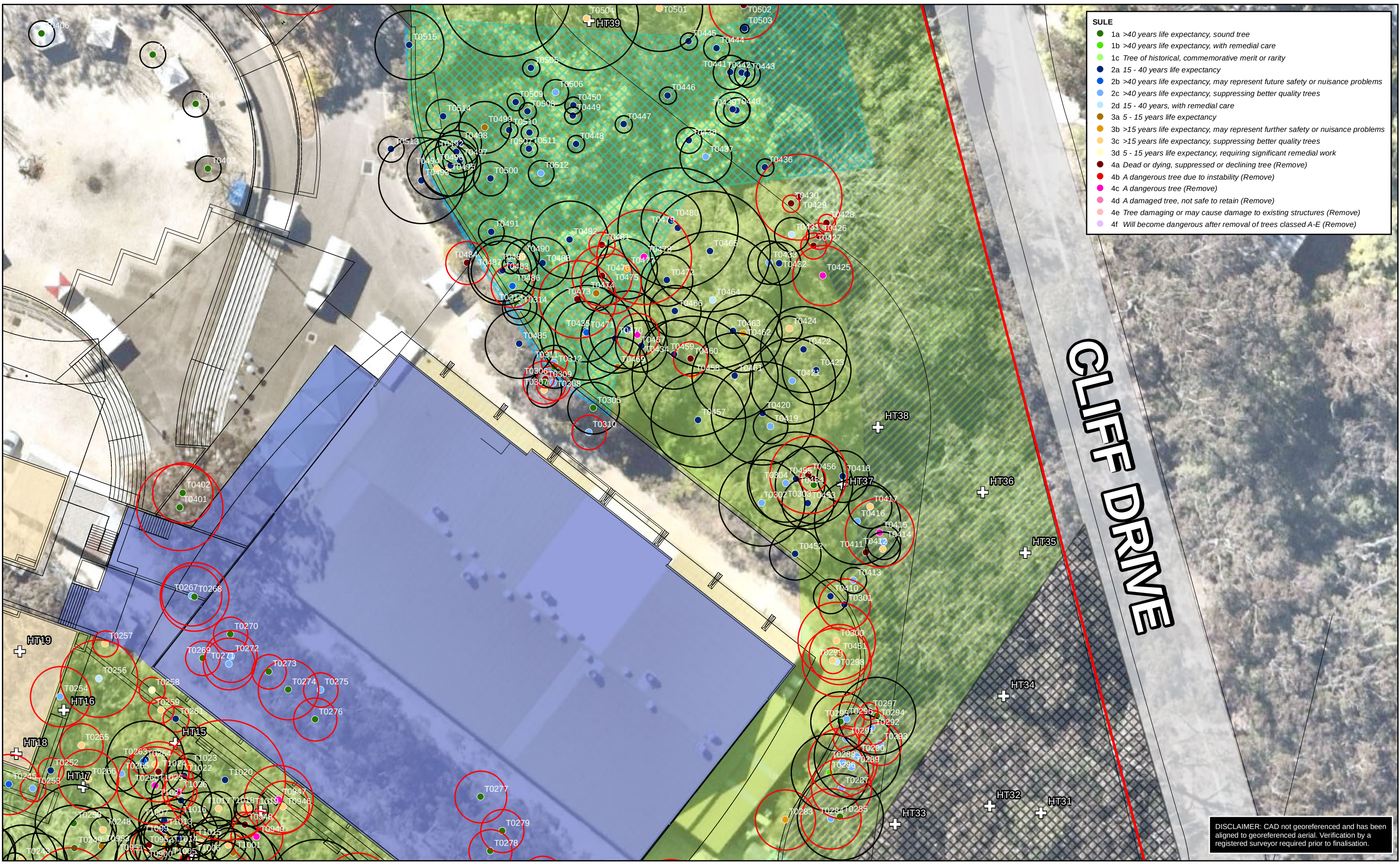
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GDA 1994 MGA Zone 56

Travers

bushfire & ecology

www.travers ecology.com.au



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Legend

Site boundary (source: LPI)	Accommodation	Trees to be removed
Existing access	Dining	Trees to be retained
Internal access	Auditorium	Habitat tree
Proposed fire trail	Retained EPP habitat	Asset Protection Zone (APZ)
Buildings approved	Drainage corridor (0.14ha)	Inner Protection Area (IPA)
		Outer Protection Area (OPA)

Source: Nearmap

10

0 10 20 m

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PROJECT & MXD REFERENCE
Cliff Drive, Katoomba
A16026_T002

DATE & ISSUE NUMBER
20/02/2018
Issue 1

SCALE & COORDINATE SYSTEM
1:400 @A3
GDA 1994 MGA Zone 56

TITLE
Tree Retention and Removal Plan (Zoom 8 of 10)

Document Path: N:\GIS STORAGE\IN Drive\A16026_CliffDrive_Katoomba\MXD\A16026_T002.mxd

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SULE

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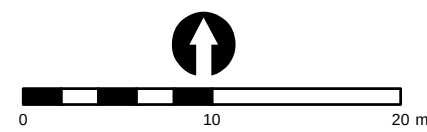
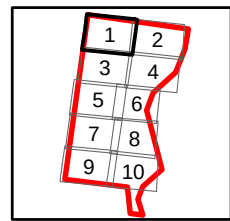
VIOLET STREET

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Legend

- Site boundary
- Existing access
- Internal access
- Proposed fire trail
- Buildings approved
- Accommodation
- Dining
- Auditorium
- Retained EPP habitat
- Drainage corridor (0.14ha)
- Habitat tree

- Tree Protection Zone (TPZ)
- Structural Root Zone (SRZ)
- Asset Protection Zone (APZ)
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PROJECT & MXD REFERENCE
Cliff Drive, Katoomba
A16026_T003

DATE & ISSUE NUMBER
29/01/2018
Issue 1

SCALE & COORDINATE SYSTEM
1:400 @A3
GDA 1994 MGA Zone 56

TITLE
Retained Trees SRZ & TPZ Assessment Plan (Zoom 1 of 10)

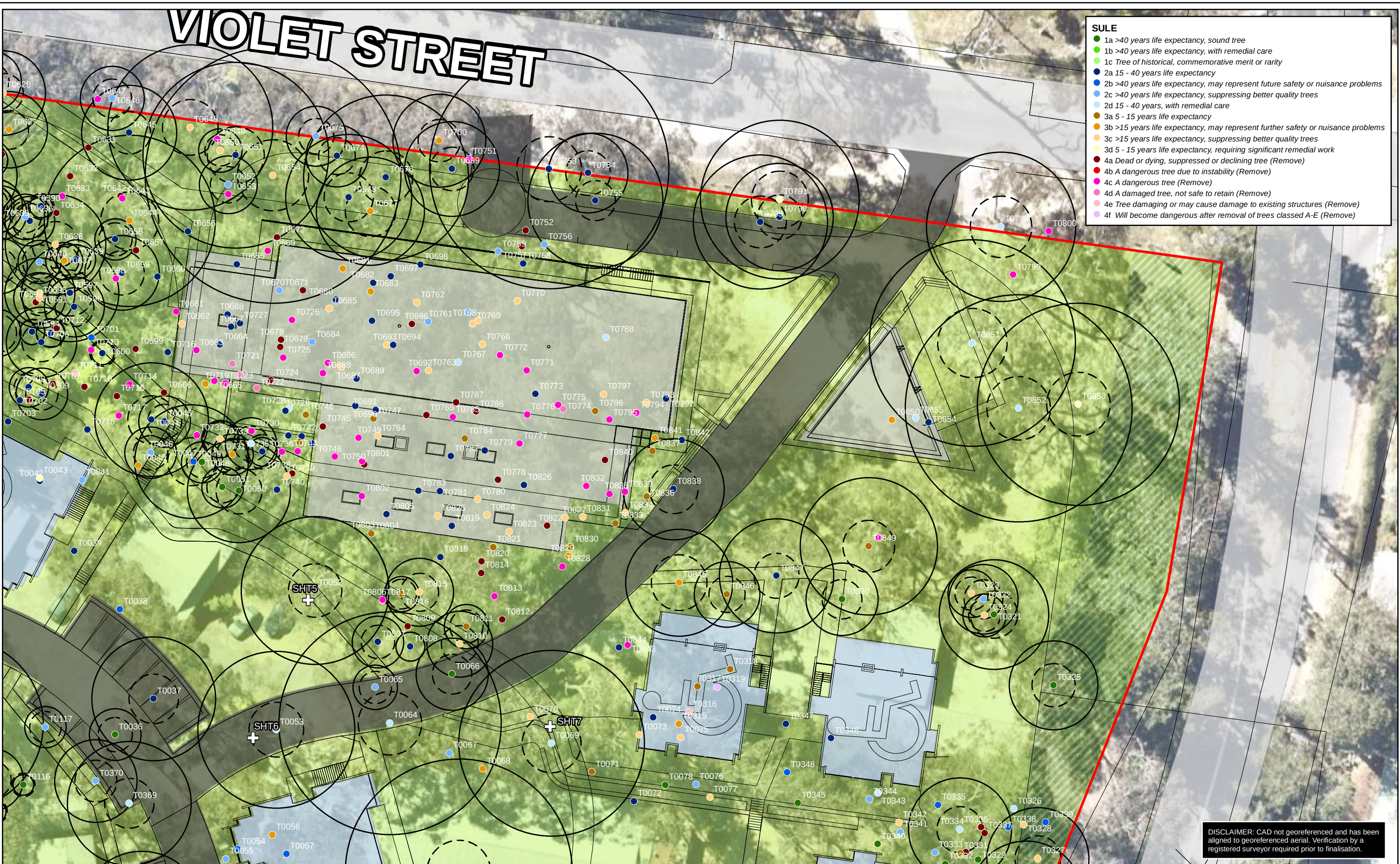
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VIOLET STREET

SULE

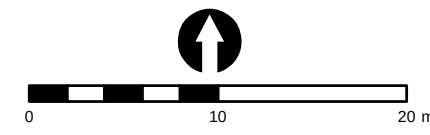
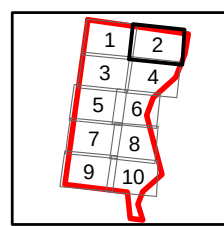
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Legend

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SCALE & COORDINATE SYSTEM
1:400 @A3
GDA 1994 MGA Zone 56

TITLE
Retained Trees SRZ & TPZ Assessment Plan (Zoom 2 of 10)

Document Path: N:\GIS STORAGE\N Drive\A16026_CliffDrive_Katoomba\MXD\A16026_T003.mxd



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CLIFF STREET

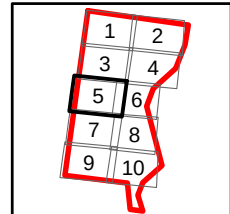
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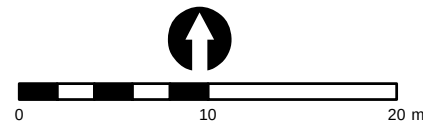
- Site boundary (source:LPI)
- Existing access
- Internal access
- Proposed fire trail
- Buildings approved

- Accommodation
- Dining
- Auditorium
- Retained EPP habitat
- Drainage corridor (0.14ha)
- Habitat tree

- Tree Protection Zone (TPZ)
- Structural Root Zone (SRZ)
- Asset Protection Zone (APZ)**
- Inner Protection Area (IPA)
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Aerial source: Nearmap



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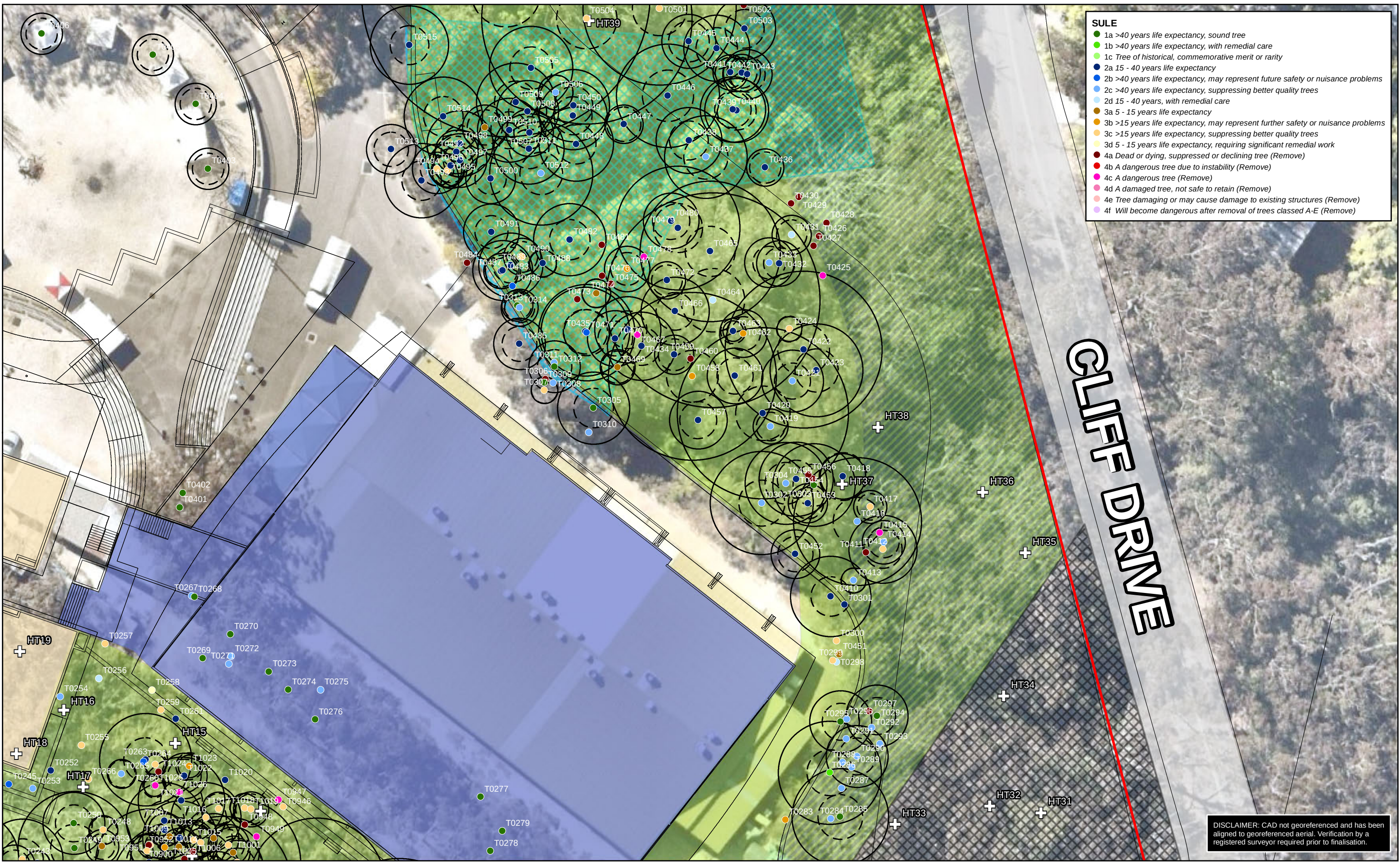
1:400 @A3
GDA 1994 MGA Zone 56

TITLE

Retained Trees SRZ & TPZ Assessment Plan (Zoom 5 of 10)

Document Path: N:\GIS STORAGE\N Drive\A16026 CliffDrive Katoomba\MXD\A16026_T003.mxd





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Legend

Site boundary (source:LPI)	Accomodation	Tree Protection Zone (TPZ)
Existing access	Dining	Structural Root Zone (SRZ)
Internal access	Auditorium	Asset Protection Zone (APZ)
Proposed fire trail	Retained EPP habitat	Inner Protection Area (IPA)
Buildings approved	Drainage corridor (0.14ha)	Outer Protection Area (OPA)
	Habitat tree	

Aerial source: Nearmap

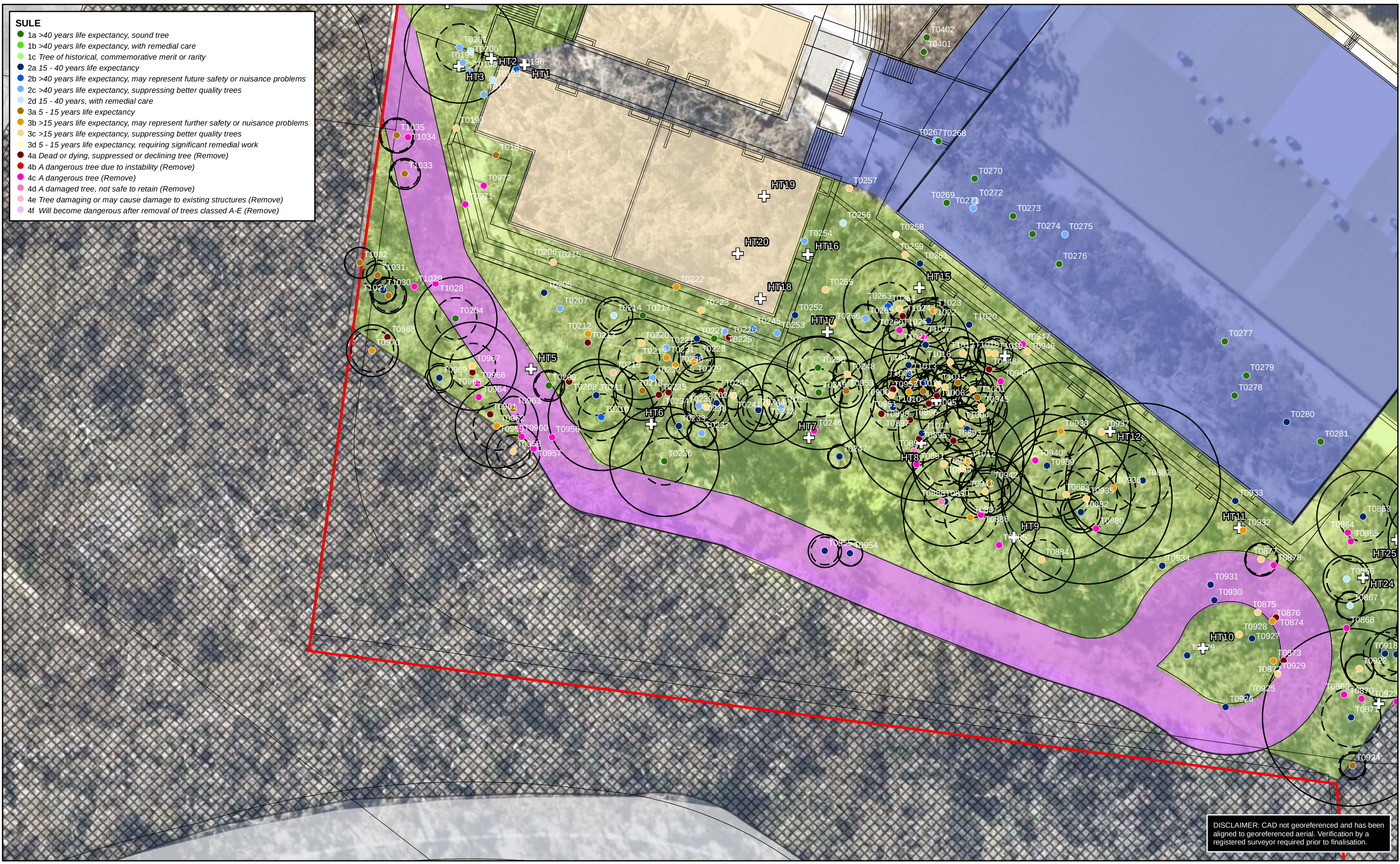
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PROJECT & MXD REFERENCE Cliff Drive, Katoomba A16026_T003	DATE & ISSUE NUMBER 29/01/2018 Issue 1	SCALE & COORDINATE SYSTEM 1:400 @A3 GDA 1994 MGA Zone 56
TITLE Retained Trees SRZ & TPZ Assessment Plan (Zoom 8 of 10)		
Document Path: N:\GIS STORAGE\N Drive\A16026 CliffDrive Katoomba\MXD\A16026_T003.mxd		



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Legend

- Site boundary (source:LPI)
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- Buildings approved
- Accommodation
- Dining
- Auditorium
- Retained EPP habitat
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PROJECT & MXD REFERENCE

Cliff Drive, Katoomba
A16026_T003

DATE & ISSUE NUMBER

29/01/2018
Issue 1

SCALE & COORDINATE SYSTEM

1:400 @A3
GDA 1994 MGA Zone 56

TITLE

Retained Trees SRZ & TPZ Assessment Plan (Zoom 9 of 10)

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Schedule 3

SULE Ratings and Terminology

SULE Ratings and Terminology

SULE (an acronym for **safe useful life expectancy**). Particular consideration is given to the following points when making the final SULE assessment for each tree;

- obvious past influences (suppression)
- present health and condition, and future potential in current position
- estimated age at assessment in relation to the life expectancy for the species
- observed and potential structural defects which may influence potential life expectancy
- potential remedial work which may allow retention in the existing location.

An outline of the four relevant SULE categories and their subgroups used in this report is as follows:

1 Long SULE (trees that appear to be retainable at the time of assessment for more than 40 years with an acceptable level of risk)

- A** A structurally sound tree, located where potential future growth can be accommodated.
- B** A damaged or defective tree that could be made suitable in the long term (40+ years), where remedial care is given.
- C** A tree of particular significance (historical / commemorative merit or rarity) that warrants extensive efforts in securing long term retention.

2 Medium SULE (trees that appear to be retainable at the time of assessment, for 15 - 40 years with an acceptable level of risk)

- A** A tree predicted to only live between 15 and 40 years
- B** A tree that may live for more than 40 years, but should be removed to prevent safety or nuisance problems
- C** A tree that may live for more than 40 years, but should be removed to prevent competition with more suitable individuals, or to provide space for new planting
- D** A damaged or defective tree that could be made suitable in the medium term (15-40 years), where remedial care is given.

3 Short SULE (trees that appear to be retainable at the time of assessment for 5 - 15 years with an acceptable level of risk)

- A** A tree predicted to only live between 5 - 15 years
- B** A tree that may live for more than 15 years, but should be removed to prevent safety or nuisance problems
- C** A tree that may live for more than 15 years, but should be removed to prevent competition with more suitable individuals or to provide space for new planting
- D** A damaged or defective tree that could only be made suitable in the short term (5-15 years), and would require significant remedial work.

4 Removals (Trees with a high level of risk that should be removed within the next 5 years)

- A** A dead, dying, suppressed or declining tree

- B** A dangerous tree made so through instability or recent loss of neighbouring trees
 - C** A dangerous tree made so through structural defects (cavities, decay, included bark, wounds or poor form)
 - D** A damaged tree that is clearly not safe to retain
 - E** A tree that is damaging, or may cause damage, to existing structures within 5 years
 - F** A tree that will become dangerous after removal of neighbouring trees for the reasons given in A to E.
-

SULE ratings given to any tree in this report assumes that appropriate maintenance (if required) will be provided by a qualified arborist. Incorrect tree work practices can significantly accelerate tree suppression and increase hazard potential

EXPLANATION OF TERMINOLOGY USED

DBH - An acronym for bole or trunk diameter at breast height (1.4m from ground level).

Health - An indication of the vigour of a tree and is determined by the observed crown colour, density, presence of insect attack, the percentage of dead or dying branches and the amount of epicormic growth. The health of the canopy and that of the root system is interdependent and significant loss of tree vigour can result through both root and canopy (pruning, suppression) damage.

Suppressed, unhealthy trees have reduced ability to initiate internal defence systems (by the process of compartmentalisation) thus predisposing them to attack by insects and pathogenic decay organisms which increase the potential to drop dangerous branches.

Cambium - The part of the tree situated between the bark and the true wood of a tree. This area is where the tree transports water, nutrients and waste products to and from the roots and leaves. It is this area that is targeted when “ring-barking” a tree in order to disrupt the nutrient transport system of the tree and cause its death.

Condition - An evaluation of the structural integrity of a tree, including defects that may affect the useful life of an otherwise healthy individual. Such influencing factors include cavities and decay, weak unions between branches or trunks and faults of form or habit.

Fungal Attack - Many fungi have evolved to break down wood and return its nutrients to the biocycle of the environment. Fungi usually gain access to the wood through the actions of borers, or from physical damage resulting in exposed wood. Trees suffering from fungal attack may be severely weakened on a structural basis but may not show any external signs of the weakness. This can result in a catastrophic structural failure of a branch or trunk when subjected to stress such as a windy day.

Kino - A dark reddish exudate, rich in polyphenols (tannins), developed in the cambial region of eucalypts often as a result of injury; incorrectly called gum (Boland *et.al.* 1992).

Deadwood - The mature crown of a eucalypt maintains itself by the continual production of new crown units, which die in turn. Thus there will always be some dead branches in a healthy mature crown (Florence, 1996). Minor deadwood refers to dead branchlets, Major deadwood refers to main branches from the trunk.