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Arboricultural Impact Assessment

Description: Proposed Residential Development

Location: 80 Barrett St
Bracken Ridge
QLD 4017

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Disclaimer

The assessors believe the information contained within this Arboricultural Impact Assessment to be correct at the time of printing. The assessors do not accept responsibility for any consequences arising from the use of the information herein. The report is based on matters which were observed or came to the attention of the assessors during the day of the assessment and should not be relied upon as an exhaustive record of all possible risks or hazards that may exist or potential improvements that can be made.

Information on the latest workers compensation and OHS / WHS laws can be found at the relevant State Work Cover / WorkSafe Authority.

Confidentiality Statement

To maintain the integrity and credibility of the Arboricultural Impact Assessment processes and to protect the parties involved, it is understood that the assessors will not divulge to unauthorized persons any information obtained during this risk assessment unless legally obligated to do so.

Author		
Consulting Arborist	Qualifications	Experience
Jess Hamer	• AQF Level 5 (Diploma) in Arboriculture • AQF Level 3 Arboriculture • AQF Level 3 Trade Qualified Climbing Arborist • AQF Level 5 (Diploma) in Horticulture • AQF Level 3 Horticulture (Parks & Gardens) • AQF Level 3 Conservation and Land Management	• 14 Years experience in Arboriculture / Horticulture industry • 8 Years as a Consulting Arborist

Author		
Consulting Arborist	Qualifications	Experience
Matthew Gordon	• AQF Level 5 (Diploma) in Arboriculture • AQF Level 5 (Diploma) in Conservation and Land Management • AQF Level 4 (Certificate 4) in Local Government Investigations • ISA TRAQ qualified assessor (2021) • QTRA registered user (2021) • VALID Tree Risk-Benefit Validator (2021)	28 Years' total experience in the horticultural industry including; • 8 years in local government environmental compliance including assessment of trees • Over 5 years as a private Arboricultural Consultant • 5 years involved in revegetation and rehabilitation projects • 4 years owner/manager of retail native plant nursery • 10 years involved in landscape construction and maintenance

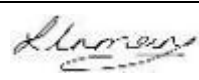
Revision History				
Version	Date	Details	Author	Signature
A	05/11/2025	Onsite Assessment & Data Collection	Jess Hamer	
	05/11/2025	Onsite Assessment & Data Collection	Matt Gordon	
B	21/11/2025	Draft Arboricultural Impact Assessment (AIA)	Jess Hamer	
C	24/11/2025	Quality Assurance Audit	Ben Inman	
D	24/11/2025	Proofreading and document consistency analysis	Liz Inman	
1	24/11/2025	Arboricultural Impact Assessment (AIA)	Matt Gordon	

Table of Contents

1. Purpose.....	4
2. Proposed Works.....	4
3. Methodology.....	5
4. Summary of Impacts & Mitigation Measures.....	6
5. Site Specific Tree Protection Table.....	10
6. References.....	11
Appendix 1: Tree and Site photos.....	12
Appendix 2: Tree Management Plan – Site Overall.....	Attached as a separate document
Appendix 3: Tree Management Plan – Earthworks.....	Attached as a separate document
Appendix 4: Tree Assessment Table.....	Attached as a separate document
Appendix 5: Structural Soil.....	Attached as a separate document
Appendix 6: General Tree Protection Guidelines.....	Attached as a separate document
Appendix 7: Tree Protection Fencing – Standard Detail.....	Attached as a separate document
Appendix 8: Working Inside the TPZ – Standard Detail.....	Attached as separate document

1. Purpose

To assess the projects impacts upon trees that are located within, and adjacent to, the described areas of construction, survey trees to sub-metre accuracy and to provide mitigation measures that minimise the project impacts.

My role as a Consulting Arborist is to gather facts by observation, investigation and assessment. This combined information assists in determining arboricultural best practice in accordance with AS4979-2009 - Protection of trees on development sites, AS4373-2007 - Pruning of amenity trees, relevant codes of practice and industry guidelines.

2. Proposed works

The proposed construction of the residential dwellings will involve things such as (but is not limited to) the following works:

- Demolition of existing infrastructure
- Construction of new infrastructure & related services/utilities.

3. Methodology

The recent request made by the client for an assessment of the impacts proposed to trees located within the project boundaries, led to a site inspection and assessment on 05 November 2026.

As required by the Information Request from BCC dated 17 January 2025, in general only trees with a trunk diameter at 1.4m height greater than 250mm ("DBH" – AS4970-2009-protection of trees on development sites) and within 10m of a site boundary have been assessed as part of this report.

Plans provided and assessed as part of this report are the Preliminary Drawings by Strathpine Design And Drafting - Job Number AO6743/23.

The site assessment included surveying trees to sub-metre accuracy with the use of a Trimble Catalyst device, collecting the following tree attribute data: tree species, trunk diameter at breast height (DBH), trunk diameter at base (DAB), tree height & canopy spread.

A Visual Tree Assessment (VTA) based on the theory of tree biology, physiology, tree architecture and structure, is applied to identify visible signs in trees which assist in assessing a trees age, tree health & a trees structural characteristics. The data collection also included assessing the trees against the Burnley Amenity Tree evaluation method which considers the useful life expectancy, form & vigour, and location suitability.

A calculation of the trees protection zone (TPZ) and structural root zone (SRZ) is conducted to assist in understanding the degree of encroachment from the proposed works. Mitigation measures are then developed to assist in reducing impacts occurring to retained trees. The trees retention value is then assessed based on the above information. This data can be found within the Tree Management Plans (Appendix 2 -TAC-80BSBR-PRD-TMP-SO & Appendix 3 -TAC-80BSBR-PRD-TMP-E) and Tree Assessment Table (Appendix 4 - TAC-80BSBR-PRD-TAT-SH01-13), attached separately to this report.

3.1 Assessment Limitations

- No aerial inspection of the tree(s) was undertaken. The inspection of the trees was a ground based visual inspection only.
- No advanced tissue sampling was undertaken. Assessment of tissues (living or dead) was from a ground based visual inspection only.
- No advanced soil nutrient tests or advanced geotechnical soil compaction tests were undertaken unless otherwise indicated within this report.
- No advanced wood decay / structural integrity tests were undertaken. Where required the author undertook a basic audible wood resonance test using a sounding mallet to determine any levels of potential decay or lack of structural integrity present.
- Recommendations for further assessment if required or of benefit i.e. aerial, advanced wood decay or structural integrity testing are noted within the report.

4. Summary of Impacts & Mitigation Measures

The assessment found that there are fifty-eight (58) individual trees generally greater than 250mm DBH located within and adjacent to the described areas of construction.

(Note: trees on adjoining properties to the south and west have been retained as part of relevant development approvals. Whilst no removals are proposed on these sites, where impacted by proposed works, tree protection measures are to be implemented in accordance with this report and the Tree Assessment Table (TAT). Trees on the adjoining property to the east are currently subject to a development application under assessment (A006082884), recommended tree retention/removal and protection measures noted within this report are subservient to, and dependent on, the outcome of A006082884)

(Additional note: there is no T23 on the Tree Management Plan (TMP) or TAT as this number was erroneously unattributed).

The Tree Management Plans (Appendix 2 -TAC-80BSBR-PRD-TMP-SO & Appendix 3 -TAC-80BSBR-PRD-TMP-E) and Tree Assessment Table (Appendix 4 - TAC-80BSBR-PRD-TAT-SH01-13) denote the following:

- Thirteen (13) trees located within or adjacent to the proposed construction footprint that will incur significant impacts from proposed works or are dead with poor structure and not feasibly retained are highlighted in red in the Retention Value column; and
- Twenty-one (21) trees located within or adjacent to the proposed construction footprint that will incur minor-moderate impacts (pending final construction design and methodology) which can potentially be feasibly retained are highlighted in yellow in the Retention Value column; and
- Twenty-four (24) trees which are anticipated to incur minor impacts from works and can feasibly be retained are highlighted in green in the Retention Value column.

(Please also note that within the Tree Assessment Table Modified Burnley Values have been provided to assist with offset calculations where trees are required/potentially required to be removed).

General Notes

A minimum AQF Level 5 qualified Project Arborist is to be appointed for the duration of the project. The Project Arborist is to supervise all works (including tree removals) impacting on the TPZ of retained trees in accordance with AS4970-2009. The Project Arborist is to undertake certification reports for each of their attendances.

Tree protection fencing will be required around the perimeter of the work site and trees are to be internally excluded where possible with fencing to edge of works or a small 2x2m² (minimum) star picket and barrier mesh tree protection fence installed on each individual tree located within the work area. The Project Arborist is to discuss tree protection requirements and to approve the location, and installation timing of tree protection fencing prior to commencement of all works. All tree protection fences are to be in place and not moved without specific direction or permission of the Project Arborist for the duration of works.

Access to work areas, vehicle movement, storage and stockpiling of materials is to be kept out of the TPZ of all retained trees unless on otherwise constructed hardstand or approved by the Project Arborist. Where trees are located within the site and access/site set down/stockpiling etc is required through or within their TPZ, ground protection is to be installed to a sufficient standard for the access requirements (eg. pedestrian traffic, large machinery) to minimise/mitigate soil compaction. Trunk/branch protection may also be required pending onsite assessment and requirements. All ground/trunk/branch protection measures are to be assessed and determined

by the Project Arborist and not altered without specific direction or permission of the Project Arborist for the duration of works.

Clearing of vegetation and earthworks within the TPZ of all retained trees is to be done sympathetically and carefully so to negate/minimise ground disturbance and reduce impacts to roots. Manual or careful machine-based methods can be utilised with no grubbing or scraping within the TPZ permitted unless determined and approved by the Project Arborist with all works to be supervised and directed by the Project Arborist to minimise/mitigate impacts to retained trees.

Demolition of existing infrastructure and excavation for new infrastructure within the TPZ of retained trees will potentially require (pending assessment) a combination of things such as, but not limited to, low-pressure vacuum excavation, machine and manual assistance. All demolition of existing infrastructure within the TPZ of retained trees is to be assessed, determined and supervised by the Project Arborist.

Post and pier foundations is to be utilised for all infrastructure within the TPZ of retained trees where depth of excavation exceeds natural ground levels. Careful low pressure vacuum excavation or careful manual excavation to edge and depth of construction extents will be required, with footing locations to be modified if larger diameter roots are encountered.

All fencing within the TPZ of retained trees is to be of a type and installation methodology that least impacts the trees. Impacts from works can be highly minimised by use of post and beam fencing allowing for footing locations to be relocated if larger diameter roots are discovered and any trees in the direct line of the fence to be dog-legged or built around allowing for retention. Careful low pressure vacuum excavation or careful manual excavation to edge and depth of construction extents will be required, with footing locations to be modified if larger diameter roots are encountered. Retention of the existing timber fencing along the western boundary bordering the adjacent childcare carpark is highly recommended. In all instances, reuse of post holes from existing fencing to be best utilised to minimise/mitigate impacts.

All pruning of tree roots is to be discussed with, and assessed, and approved by, the Project Arborist. All required pruning is to be undertaken in accordance with AS4373 2007 – pruning of amenity trees.

Where vacuum excavation is specified within the Tree Assessment Table (Appendix 4) vacuum excavation trucks MUST be capable of working sufficiently at sub 400psi. Whilst a valuable tool in working sympathetically with trees, water pressure greater than 150psi has the potential to significantly impact on the tree root cambium (vascular transport system) and essentially render a tree root redundant. All vacuum excavation pressures and methodologies are to be assessed, directed and supervised by the Project Arborist to best mitigate impacts to retained trees.

Clearance pruning, determined by the Project Arborist, may be required for some trees to allow for infrastructure installation and mitigate future conflict. All pruning of trees (either above or below ground parts) is to be discussed with, and assessed, approved and supervised by, the Project Arborist. All required pruning is to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007: Pruning of Amenity Trees.

To mitigate stress to retained trees impacted as a result of the proposed works it is recommended to implement a Plant Health Care Program, beginning at least 2 weeks prior to the commencement of works. A site-specific program can be developed and implemented by Trees Are Cool if required and further tree health improvement measures (ie. soil decompaction and soil health improvement) may be additionally necessitated pending Project Arborist assessment and determination during, and pending impacts from, works.

Structural Soil

The Tree Assessment Table (Appendix 4) denotes the requirement for the use of structural soil for retained trees impacted by filling.

Structural soil and aeration/moisture tubes MUST be utilized in the areas indicated to ensure successful retention of the impacted trees.

The use and composition of structural soil and aeration/moisture tubes is to ensure that the treated areas can be successfully utilized for proposed works, whilst creating/enhancing an environment conducive to ongoing health (including, but not limited to, moisture infiltration/percolation to the existing ground level and allowing for gaseous exchange (ie. not creating an anaerobic environment)) of the impacted tree

Appendix 5 (TAC-80BSBR-PRD-SS) shows general requirements for the structural soil profile and composition as well as location and distribution of associated aeration/moisture tubes.

Appendix 4 notes a general composition of structural soil requirements and aeration/moisture tube layout and is to be further discussed with a structural engineer to ensure that final product is fit for purpose.

Where compost is indicated within the structural soil profile, the compost to be used is to be a bio-complete compost, produced in accordance with the biological standards and methodologies established by Dr. Elaine Ingham (Soil Food Web Institute). This ensures a mature, stable product that supports a balanced soil microbiome and promotes long-term soil health. This compost will contain balanced communities of bacteria, fungi, protozoa, and beneficial nematodes. The microbial profile is to be such that it is suited for rehabilitation, enhanced nutrient cycling, and resilience against soil compaction and stress

Key characteristics include:

- Full microbial balance, incorporating beneficial bacteria, fungi, protozoa, and nematodes in healthy ratios.
- Produced to AS 4454–2012 Standards for composted organics.
- Free from contaminants, weed seeds, and anaerobic odours.
- Tailored biological composition to match the soil conditions and species-specific requirements of the project site.

This approach focuses on restoring and maintaining the soil's biological function, thereby enhancing root health, nutrient cycling, and resilience of the tree and surrounding vegetation.

Below is an assay of compost prepared in accordance with the above by Todd Samorowski of The Regenerative Training Centre (Woodford), to which a similar/same product is best believed suitable for use for the project where specified within this report or appendices.

General Information

Parameter	Details
Sample ID	Heritage Fig Compost – Memorial Park
prep of sample date	TBC
Assessment Conducted by	TBC
Methodology Reference	Dr. Elaine Ingham – Soil Food Web Quantitative Microscopy
Applicable Standard	AS 4454–2012 (Composts, Soil Conditioners & Mulches)

Microbial Population and Functional Balance

Biological Group	Target Range (Dr. Ingham)	Interpretation / Function for Heritage Fig
Total Bacteria	300–600 µg/g	Healthy bacterial population supporting nutrient cycling and aggregation of fine soils under canopy dripline.
Fungal Biomass	200–400 µg/g	Strong fungal network promoting stable soil structure, moisture retention, and root symbiosis critical for mature fig roots.
Fungal: Bacterial Ratio	0.5–1.5 (trees/shrubs)	Balanced soil food web ratio, ideal for large perennial woody species.
Flagellates & Amoebae (Protozoa)	10,000–100,000/g	Excellent predator base; enhances mineralisation and nutrient release to feeder roots.
Beneficial Nematodes	Present (bacterial & fungal feeders)	Indicates complete trophic web; supports soil aeration and biological pest suppression.
Pathogenic Indicators	Absent or below detection	Safe for sensitive heritage root systems; no anaerobic or pathogenic activity.

Functional and Site-Specific Attributes

Attribute	Desired outcome of compost	Implication for Heritage Fig Restoration
Compost Maturity & Stability	Fully mature, aerobic throughout; no odour or heat generation	Ensures immediate compatibility with root zone application.
Moisture Content	40–50%	Optimal for microbial viability and soil integration.

Close coordination will be required between the Client, Project Coordinator, Site Supervisor and the Project Arborist to ensure intended outcomes are achieved. Ultimate responsibility for delivery of outcomes rests with the Client. The role of the Project Arborist is to work with the site supervisor and contractors to proactively avoid impacts occurring to retained trees.

I trust this information is of assistance and satisfies your requirements. Please contact me if you require any additional details or clarification.



Jess Hamer

Arboricultural Consultant

Dip. Arboriculture

5. Site Specific Tree Protection Table

When to perform task	Proposed task	Tree Protection Measure	To be Certified
Prior to Construction	Pre-Start meeting(s) to determine timing of works and final/ongoing tree protection requirements	Project Arborist to attend pre-start meeting(s) and assist with determinations	Project Arborist to provide Certification Report after final determinations.
Prior to Construction	Removal of trees as recommended and indicated within the Tree Management Plan and Tree Assessment Table and pending final Council approvals.	Removal process must be conducted by a minimum AQF Level 3 qualified Arborist and to any relevant tree removal guidelines.	Project Arborist to supervise removal works to ensure that the correct trees are removed. Certification Report to be provided on completion of works.
Prior to/during construction	Install Tree Protection Fencing.	Tree Protection Fencing to be installed as per requirements of pre-start meeting(s)	Project Arborist to supervise works and provide a Certification Report(s) on completion of works.
During construction	Demolition of infrastructure within the TPZ of retained trees.	Project Arborist Supervision required to assist civil team to work safely through the root zone of trees. Tree root management may be required by the Project Arborist. E.g. root pruning	Project Arborist to supervise works and provide a Certification Report on completion of works
During construction	Vacuum excavation within the TPZ of retained trees.	Project Arborist Supervision required to assist civil team to work safely through the root zone of trees. Tree root management may be required by the Project Arborist. E.g. root pruning or pending extent of require impacts, tree removal may be required.	Project Arborist to supervise works and provide a Certification Report on completion of works
During construction	Assessment of works related impacts to affected retained trees.	Project Arborist to assess impacts and determine and implement any recommended Plant Health Care Treatment requirements for affected trees.	Project Arborist to provide an impact assessment and any recommended Plant Health Care Treatment requirements.
Completion of construction	Conduct final Certification - Assessment of retained trees	Final Certification that Tree Protection measures have been implemented through all stages of construction	Project Arborist to provide a Final Certification Report.

6. References

Books

- Dunster, J. A. & Smiley, E. T. & Matheny, N. & Lilly, S. 2017, ***Tree Risk Assessment Manual***. Second Edition, International Society of Arboriculture, Champaign, Illinois, U.S.A.
- Hayes, E. 2001, ***Evaluating Tree Defects***. Second Edition 2014. Safetrees, LLC, Rochester, MN, USA.
- Lonsdale, D. 1999, ***Principles of Tree Hazard Assessment and Management***. Seventh Impression 2017, Arboricultural Association, Standish, Stonehouse, U.K.
- Lonsdale, D. 2000, ***HAZARDS FROM TREES A General Guide***. Forestry Commission, Edinburgh, U.K.
- Matheny, N. P. & Clark, J. R. 1994, ***A Photographic Guide to the EVALUATION OF HAZARD TREES IN URBAN AREAS***. International Society of Arboriculture, Champaign, Illinois, U.S.A.
- Mattheck, C. 2007, ***Updated Field Guide for Visual Tree Assessment***, First Edition, Forschungszentrum Karlsruhe GmbH. Karlsruhe, Germany.
- Mattheck, C. & Bethge, K & Weber, K. 2015, ***The Body Language Of Trees – Encyclopedia of Visual Tree Assessment***, Karlsruhe Institute of Technology – Campus North. Karlsruhe, Germany.
- Roberts, J. & Jackson, N. & Smith, M. 2006, ***Tree Roots in the Built Environment***. First Edition 2006, Third Impression 2018, Arboricultural Association, Standish, Stonehouse, U.K.
- Shigo, A.L. 1991, ***MODERN ARBORICULTURE – TOUCH TREES***. Fifth Printing 2013, Shigo and Trees, Associates LLC, Snohomish, WA, U.S.A.
- Smiley, E. T. & Matheny, N. & Lilly, S. 2011, ***Tree Risk Assessment***. Second Edition 2017, International Society of Arboriculture, Champaign, Illinois, U.S.A.

Australian Standards

- Standards Australia Committee EV-018, Arboriculture. (2007). ***AS 4373-2007: Pruning of Amenity Trees***. Sydney: Standards Australia.
- Standards Australia Committee EV-018, Arboriculture. (2009). ***AS 4970-2009: Protection of Trees on Development Sites***. Sydney: Standards Australia.

Appendix 1 – Tree and Site Photos



Image 1. Tree T01. Image M Gordon.



Image 2. Tree T02. Image M Gordon.

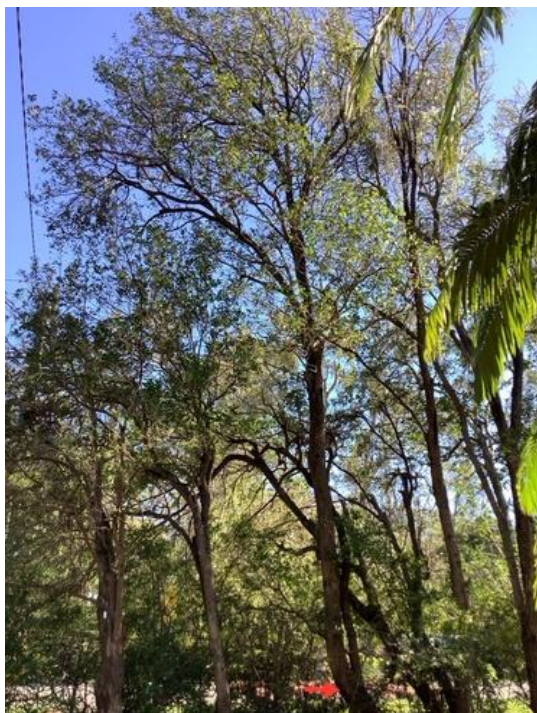


Image 3. Tree T03. Image M Gordon.



Image 4. Tree T04. Image M Gordon.



Image 5. Tree T05. Image M Gordon.



Image 6. Tree T06. Image M Gordon.



Image 7. Tree T07. Image M Gordon.

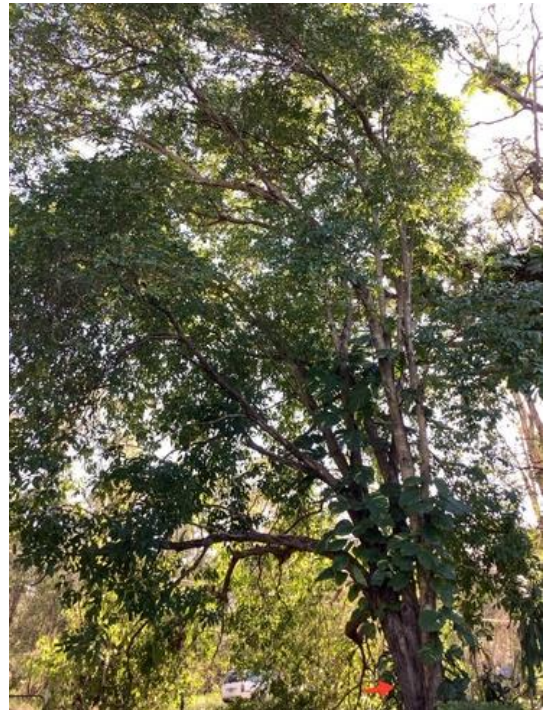


Image 8. Tree T08. Image M Gordon.



Image 9. Tree T09. Image M Gordon.



Image 10. Tree T10. Image M Gordon.

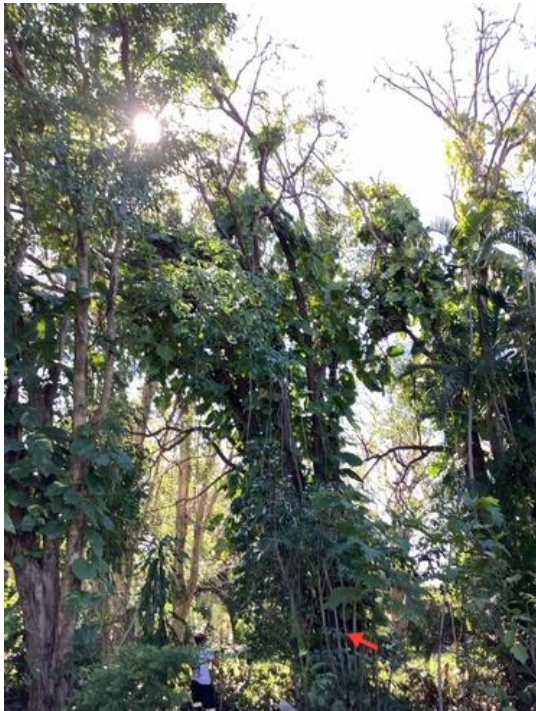


Image 11. Tree T11. Image M Gordon.



Image 12. Tree T12. Image M Gordon.



Image 13. Tree T13. Image M Gordon.

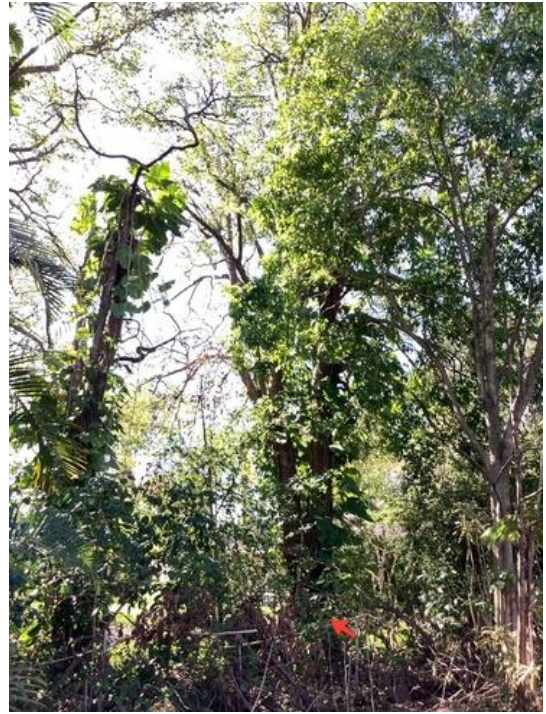


Image 14. Tree T14. Image M Gordon.

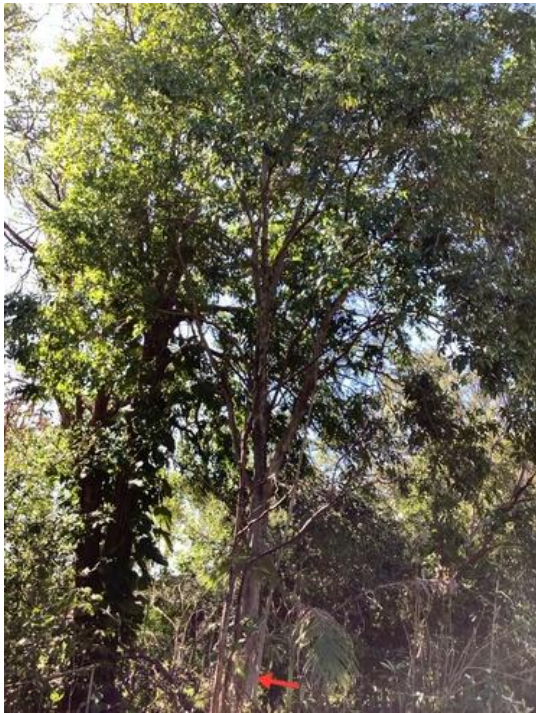


Image 15. Tree T15. Image M Gordon.

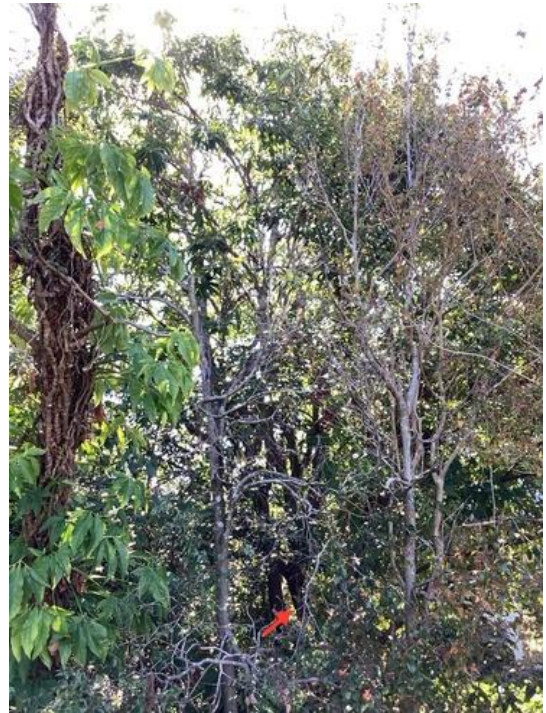


Image 16. Tree T16. Image M Gordon.



Image 17. Tree T17- T33 view from northeast. Image M Gordon.



Image 18. Tree T17-T33 view from southeast. Image M Gordon.



Image 19. Tree T34. Image M Gordon.

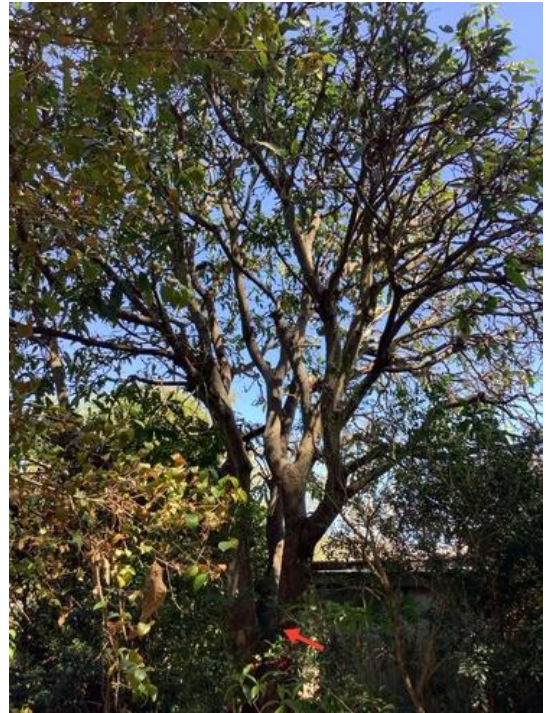


Image 20. Tree T35. Image M Gordon.



Image 21. Tree T36. Image M Gordon.



Image 22. Tree T37 Image M Gordon.



Image 23. Tree T38. Image M Gordon.



Image 24. Tree T47. Image M Gordon.



Image 25. Tree T48. Image M Gordon.



Image 26. Tree T49. Image M Gordon.



Image 27. Tree T50. Image M Gordon.



Image 28. Tree T51. Image M Gordon.



Image 29. Tree T52. Image M Gordon.



Image 30. Tree T53. Image M Gordon.



Image 31. Tree T54. Image M Gordon.



Image 32. Tree T55. Image M Gordon.



Image 33. Tree T56. Image M Gordon.



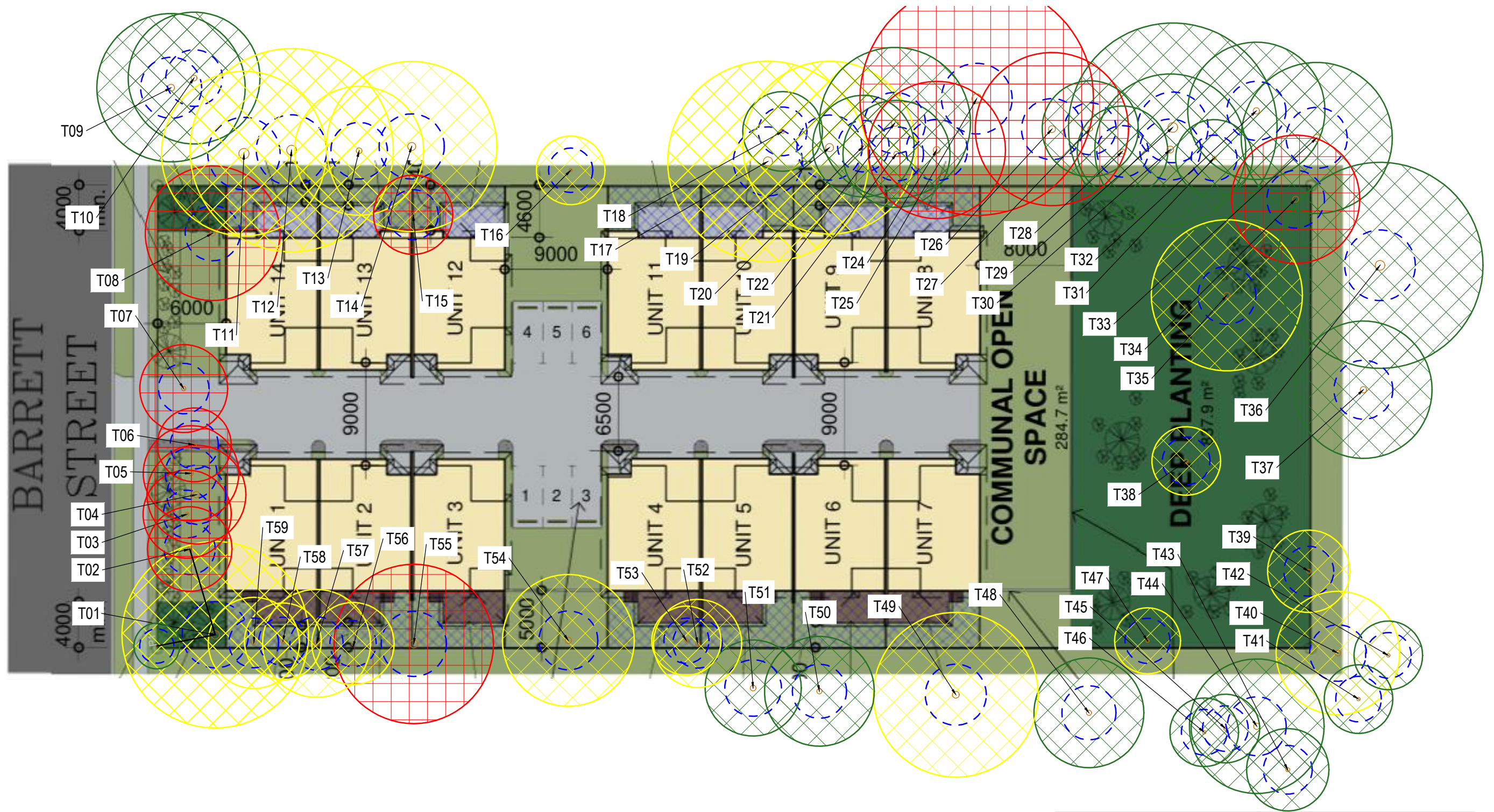
Image 34. Tree T57. Image M Gordon.



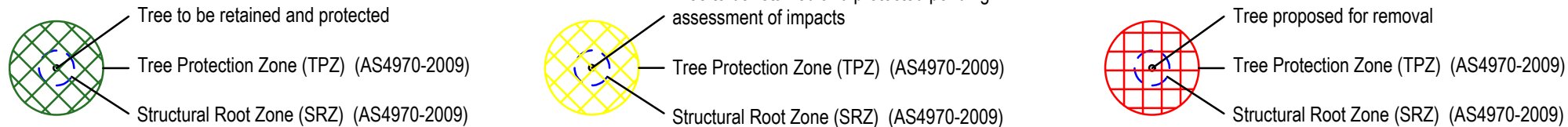
Image 35. Tree T58. Image M Gordon.



Image 36. Tree T59. Image M Gordon.



LEGEND



STANDARD NOTES

1. THIS DRAWING MUST BE READ IN CONJUNCTION WITH TAC-80BSBR-PRD-TMP-E, TAC-80BSBR-PRD-TMP-SS, TAC-80BSBR-PRD-TAT-SH01-SH13, TAC001, TAC002 AND TAC003.
2. FOR FURTHER DETAILS AND SPECIFICATIONS PLEASE REFER TO DOCUMENT "ARBORICULTURAL IMPACT ASSESSMENT".
3. CONSULT WITH LEVEL 5 PROJECT ARBORIST PRIOR TO WORKS WITHIN TREE PROTECTION ZONES AND TO SUPERVISE TREE PRUNING AND REMOVAL.
4. THIS DRAWING IS ONLY INTENDED FOR TREE MANAGEMENT AND PROTECTION DETAIL.
5. BASE IMAGE, TPZ'S AND SRZ'S ARE TO SCALE.

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Arboriculture matters



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ISSUE
A
B

DESCRIPTION
ISSUED FOR INTERNAL REVIEW
ISSUED FOR CLIENT REVIEW

DATE
11/11/25
11/11/25

DRAWN
J.H.
J.H.

AUTH.
B.I.
B.I.

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DISCLAIMER
Trees Are Cool and it's Consulting Arborists has made every reasonable effort to ensure that this document is correct at the time of development. Trees Are Cool and it's Consulting Arborists, disclaim any and all liability to any person(s) in respect of anything or the consequences of anything done or omitted to be done as a result of this document.

PROJECT

80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT

TITLE

TREE MANAGEMENT PLAN -
SITE OVERALL

DESIGN

ORIGINAL SIGNED BY: B.I.

DATE
11/11/25

DESIGN CHECK

ORIGINAL SIGNED BY: B.I.

DATE
11/11/25

DRAWN

J.H.

DATE
07/11/25

DRAWING CHECK

M.G.

DATE
11/11/25

AUTHORISED FOR ISSUE

ORIGINAL SIGNED BY: [Signature]

DATE

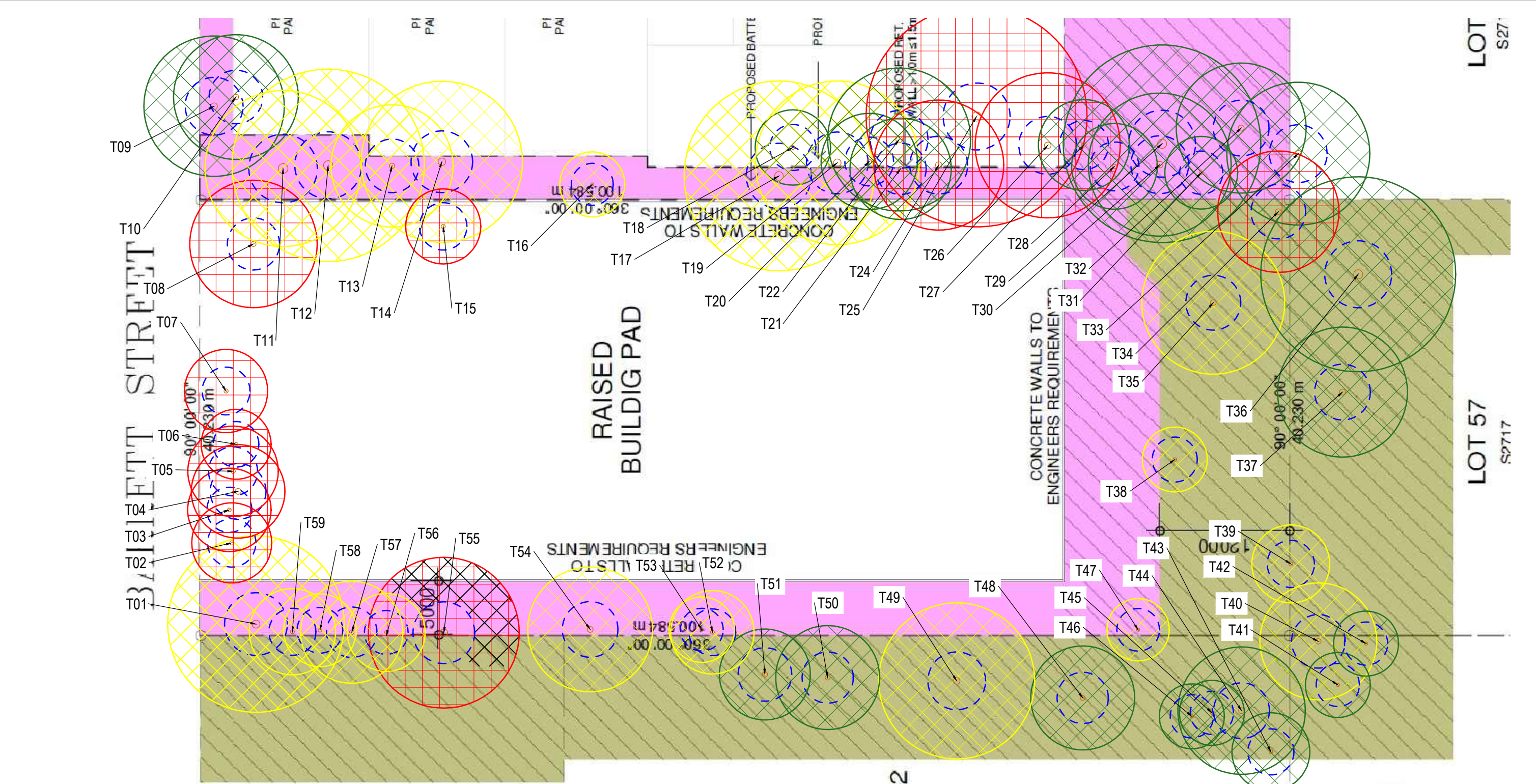
REFERENCE NO.

PROJECT NUMBER / SHEET

TAC-80BSBR-PRD-TMP-SO

ISSUE

B



LEGEND

- Tree to be retained and protected
- Tree Protection Zone (TPZ) (AS4970-2009)
- Structural Root Zone (SRZ) (AS4970-2009)
- Tree to be retained and protected pending assessment of impacts
- Tree Protection Zone (TPZ) (AS4970-2009)
- Structural Root Zone (SRZ) (AS4970-2009)
- Tree proposed for removal
- Tree Protection Zone (TPZ) (AS4970-2009)
- Structural Root Zone (SRZ) (AS4970-2009)

- STANDARD NOTES
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH TAC-80BSBR-PRD-TMP-SO, TAC-80BSBR-PRD-TMP-SS, TAC-80BSBR-PRD-TAT-SH01-SH13, TAC001, TAC002 AND TAC003.
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A	ISSUED FOR INTERNAL REVIEW	11/11/25	J.H	B.I					
B	ISSUED FOR CLIENT REVIEW	11/11/25	J.H	B.I					

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PROJECT
**80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT**

TITLE
**TREE MANAGEMENT PLAN -
EARTHWORKS**

DESIGN ORIGINAL SIGNED BY: B.I	DATE 11/11/25	DESIGN CHECK ORIGINAL SIGNED BY: B.I	DATE 11/11/25
DRAWN J.H	DATE 07/11/25	DRAWING CHECK M.G	DATE 11/11/25
AUTHORISED FOR ISSUE ORIGINAL SIGNED BY: 		DATE REFERENCE NO.	
PROJECT NUMBER / SHEET TAC-80BSBR-PRD-TMP-E		SCALE B	

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T01	<i>Araucaria cunninghamii</i>	679	729	8.15	2.90	17	9	Mature	Significant	Good	Good	0.8	0.7	1	Retain	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retention of existing timber fence strongly recommended, otherwise utilising the reuse of existing post holes if feasible. Any new fencing is to be of post and beam construction. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T02	<i>Callistemon viminalis</i>	308	392	3.70	2.23	5	6	Mature	Significant	Fair	Fair	1	0.3	0.6	Remove	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Tree proposed to be removed due to significant impacts from works.
T03	<i>Glochidion sumatranum</i>	321	333	3.85	2.09	10	6	Mature	Significant	Good	Good	1	0.7	0.9	Remove	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Tree proposed to be removed due to significant impacts from works.
T04	<i>Callistemon viminalis</i>	360	550	4.32	2.57	11	9	Mature	Significant	Fair	Fair	1	0.5	0.8	Remove	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Tree proposed to be removed due to significant impacts from works.
T05	<i>Glochidion sumatranum</i>	348	405	4.18	2.26	11	6	Mature	Significant	Good	Good	1	0.7	0.9	Remove	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Tree proposed to be removed due to significant impacts from works.
T06	<i>Glochidion sumatranum</i>	269	341	3.23	2.11	11	5	Mature	Significant	Good	Good	1	0.7	0.9	Remove	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Tree proposed to be removed due to significant impacts from works.
T07	<i>Glochidion sumatranum</i>	320	381	3.84	2.21	10	6	Mature	Significant	Good	Good	1	0.7	0.9	Remove	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Tree proposed to be removed due to significant impacts from works.
T08	<i>Harpulia pendula</i>	490	470	5.88	2.41	12	9	Mature	Significant	Good	Good	1	0.75	0.8	Remove	Tree buried at base by mound of dirt. Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, retaining wall, fill & footings. Tree proposed to be removed due to significant impacts from works.
T09	<i>Melaleuca quinquenervia</i>	540	600	6.48	2.67	17	7	Mature	Significant	Fair	Good	0.9	0.7	0.9	Retain	Cats claw vine throughout tree. Tree located on adjoining property. No impacts from proposed works. Tree to be retained and protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).
T10	<i>Melaleuca quinquenervia</i>	480	500	5.76	2.47	15	6	Mature	Significant	Fair	Good	0.9	0.7	0.9	Retain	Vine on trunk. Tree located on adjoining property. No impacts from proposed works. Tree to be retained and protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).

Trees Are Cool
Arboricultural Consultant
Arboriculture matters



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PROJECT

80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT

TITLE

TREE ASSESSMENT TABLE -
SHEET 01

DESIGN

ORIGINAL SIGNED BY: DATE

B.I

17/11/25

DESIGN CHECK

ORIGINAL SIGNED BY: DATE

B.I

17/11/25

DRAWN

J.H

DATE

07/11/25

DRAWING CHECK

M.G

DATE

17/11/25

AUTHORISED FOR ISSUE

ORIGINAL SIGNED BY:

DATE

REFERENCE NO.

SCALE

PROJECT NUMBER / SHEET

TAC-80BSBR-PRD-TAT-SH01

ISSUE

A

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T11	<i>Cinnamomum camphora</i>	600	900	7.20	3.17	15	15	Mature	Undesirable	Poor	Good	0.9	0.3	0.9	Retain	Tree located on adjoining property. QLD Biosecurity Act 2014 Restricted Matter Species. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T12	<i>Cinnamomum camphora</i>	740	850	8.88	3.09	15	10	Mature	Undesirable	Poor	Good	0.9	0.65	0.9	Retain	Tree located on adjoining property. QLD Biosecurity Act 2014 Restricted Matter Species. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.

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Arboricultural Consultant

Arboriculture matters



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PROJECT

80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT

TITLE

TREE ASSESSMENT TABLE -
SHEET 02

DESIGN
ORIGINAL SIGNED BY: DATE
B.I 17/11/25

DESIGN CHECK
ORIGINAL SIGNED BY: DATE
B.I 17/11/25

DRAWN DATE
J.H 07/11/25

DRAWING CHECK DATE
M.G 17/11/25

AUTHORISED FOR ISSUE DATE

REFERENCE NO.

ORIGINAL SIGNED BY:

SCALE

PROJECT NUMBER / SHEET
TAC-80BSBR-PRD-TAT-SH02

ISSUE
A

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T13	<i>Cinnamomum camphora</i>	470	500	5.64	2.47	10	4	Mature	Undesirable	Fair	Good	0.9	0.7	0.9	Retain	Tree located on adjoining property. QLD Biosecurity Act 2014 Restricted Matter Species. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T14	<i>Cinnamomum camphora</i>	620	700	7.44	2.85	15	10	Mature	Undesirable	Good	Good	0.9	0.7	0.9	Retain	Tree located on adjoining property. QLD Biosecurity Act 2014 Restricted Matter Species. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T15	<i>Harpulia pendula</i>	289	373	3.47	2.19	12	8	Mature	Significant	Good	Good	1	0.75	0.8	Remove	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Tree proposed to be removed due to location within construction footprint/construction access requirements/future conflict with the adjoining built infrastructure/major TPZ impacts from works.

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Arboriculture matters



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PROJECT

80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT

TITLE

TREE ASSESSMENT TABLE -
SHEET 03

DESIGN ORIGINAL SIGNED BY: B.I	DATE 17/11/25	DESIGN CHECK ORIGINAL SIGNED BY: B.I	DATE 17/11/25
DRAWN J.H	DATE 07/11/25	DRAWING CHECK M.G	DATE 17/11/25
AUTHORISED FOR ISSUE ORIGINAL SIGNED BY: 		REFERENCE NO. SCALE	
PROJECT NUMBER / SHEET TAC-80BSBR-PRD-TAT-SH03			ISSUE A

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T16	<i>Xanthostemon chrysanthus</i>	250	280	3.00	1.94	5	6	Mature	Significant	Good	Good	0.9	0.75	0.8	Retain	Tree located on adjoining property. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T17	<i>Eucalyptus tereticornis</i>	730	800	8.76	3.01	25	12	Mature	Significant	Good	Good	1	0.7	0.9	Retain	Tree located on adjoining property. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T18	<i>Macadamia integrifolia</i>	290	350	3.48	2.13	10	7	Mature	Significant	Good	Good	1	0.75	0.8	Retain	Tree located on adjoining property. No impacts from proposed works. Tree to be retained and protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).

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PROJECT

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DEVELOPMENT

TITLE

TREE ASSESSMENT TABLE -
SHEET 04

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DRAWN J.H	DATE 07/11/25	DRAWING CHECK M.G	DATE 17/11/25
AUTHORISED FOR ISSUE ORIGINAL SIGNED BY: 		REFERENCE NO. SCALE	
PROJECT NUMBER / SHEET TAC-80BSBR-PRD-TAT-SH04			ISSUE A

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T19	<i>Eucalyptus tereticornis</i>	630	700	7.56	2.85	23	14	Mature	Significant	Good	Fair	1	0.7	0.9	Retain	Tree located on adjoining property. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T20	<i>Glochidion sumatranum</i>	370	400	4.44	2.25	8	6	Mature	Significant	Good	Good	1	0.7	0.9	Retain	Tree located on adjoining property. Minor encroachment (<10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.

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Arboriculture matters



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ISSUE
A
B

DESCRIPTION
ISSUED FOR INTERNAL REVIEW
ISSUED FOR CLIENT REVIEW

DATE
11/11/25
17/11/25

DRAWN
J.H
J.H

AUTH:
B.I
B.I

ISSUE

DESCRIPTION

DATE

DRAWN

AUTH:

DISCLAIMER
Trees Are Cool and it's Consulting Arborists has made every reasonable effort to ensure that this document is correct at the time of development. Trees Are Cool and it's Consulting Arborists, disclaim any and all liability to any person(s) in respect of anything or the consequences of anything done or omitted to be done as a result of this document.

PROJECT

80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT

TITLE

TREE ASSESSMENT TABLE -
SHEET 05

DESIGN ORIGINAL SIGNED BY: B.I	DATE 17/11/25	DESIGN CHECK ORIGINAL SIGNED BY: B.I	DATE 17/11/25
DRAWN J.H	DATE 07/11/25	DRAWING CHECK M.G	DATE 17/11/25
AUTHORISED FOR ISSUE ORIGINAL SIGNED BY: 		REFERENCE NO. SCALE	
PROJECT NUMBER / SHEET TAC-80BSBR-PRD-TAT-SH05			ISSUE A

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T21	<i>Corymbia intermedia</i>	390	450	4.68	2.37	13	7	Mature	Significant	Fair	Good	1	0.7	0.9	Retain	Tree located on adjoining property. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T22	<i>Cinnamomum camphora</i>	550	600	6.60	2.67	10	10	Mature	Undesirable	Poor	Good	1	0.4	0.8	Retain	Tree located on adjoining property. QLD Biosecurity Act 2014 Restricted Matter Species. Minor encroachment (<10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application). Should tree be retained as part of A006082884, Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Structural soil and aeration/moisture tubes are to be used within the site in the areas of non-load bearing construction. Composition and layout of the structural soil and aeration tubes is to be in accordance with information contained within the AIA and associated appendices (and subject to engineering assessment). Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Pending removal/retention under A006082884, subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T24	<i>Dead tree</i>	500	600	6.00	2.67	21	7	Dead	Significant	Dead	Poor	1	0	0.5	Remove	Tree located on adjoining property. Minor TPZ encroachment (<10% TPZ - AS4970-2009) from proposed works. Tree is dead and potential hazard to work crews and users of the property. Tree recommended for removal or reduction to habitat stag if feasible or desired. If tree is not removed or reduced then Project Arborist supervision and direction of works within the TPZ required. Due to tree being dead, TPZ encroachment is not subject to conditions. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).
T25	<i>Dead tree</i>	850	850	10.20	3.09	15	8	Dead	Significant	Dead	Poor	1	0	0.5	Remove	Tree located on adjoining property. Minor TPZ encroachment (<10% TPZ - AS4970-2009) from proposed works. Tree is dead and potential hazard to work crews and users of the property. Tree recommended for removal or reduction to habitat stag if feasible or desired. If tree is not removed or reduced then Project Arborist supervision and direction of works within the TPZ required. Due to tree being dead, TPZ encroachment is not subject to conditions. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).
T26	<i>Dead tree</i>	558	600	6.70	2.67	16	6	Dead	Significant	Dead	Poor	1	0	0.5	Remove	Tree located on adjoining property. Minor TPZ encroachment (<10% TPZ - AS4970-2009) from proposed works. Tree is dead and potential hazard to work crews and users of the property. Tree recommended for removal or reduction to habitat stag if feasible or desired. If tree is not removed or reduced then Project Arborist supervision and direction of works within the TPZ required. Due to tree being dead, TPZ encroachment is not subject to conditions. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).

Trees Are Cool Arboricultural Consultant Arboriculture matters  e-mail: admin@treesarecool.com.au Telephone: 0419 655 563 www.treesarecool.com.au MAILING ADDRESS: PO Box 97 Arana Hills, QLD 4054	ISSUE	DESCRIPTION	DATE	DRAWN	AUTH.	ISSUE	DESCRIPTION	DATE	DRAWN	AUTH.	DISCLAIMER	PROJECT	TITLE	DESIGN	DESIGN CHECK	PROJECT NUMBER / SHEET	ISSUE										
	A	ISSUED FOR INTERNAL REVIEW	11/11/25	J.H	B.I							Trees Are Cool and it's Consulting Arborists has made every reasonable effort to ensure that this document is correct at the time of development. Trees Are Cool and it's Consulting Arborists, disclaim any and all liability to any person(s) in respect of anything or the consequences of anything done or omitted to be done as a result of this document.	80 BARRETT ST BRACKEN RIDGE - PROPOSED RESIDENTIAL DEVELOPMENT	TREE ASSESSMENT TABLE - SHEET 06	ORIGINAL SIGNED BY: B.I	DATE 17/11/25	ORIGINAL SIGNED BY: B.I	DATE 17/11/25	DRAWN J.H	DATE 07/11/25	DRAWING CHECK M.G	DATE 17/11/25	AUTHORISED FOR ISSUE	DATE	REFERENCE NO.	SCALE	TAC-80BSBR-PRD-TAT-SH06

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T27	<i>Cinnamomum camphora</i>	350	408	4.20	2.27	13	6	Mature	Undesirable	Poor	Good	1	0.5	0.8	Retain	Tree located on adjoining property. QLD Biosecurity Act 2014 Restricted Matter Species. No impacts from proposed works. Tree to be retained and protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).
T28	<i>Melaleuca stypheloides</i>	330	400	3.96	2.25	13	6	Mature	Significant	Fair	Good	1	0.65	0.9	Retain	Tree located on adjoining property. Minor encroachment (<10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).
T29	<i>Eucalyptus tereticornis</i>	760	850	9.12	3.09	27	17	Mature	Significant	Good	Good	1	0.7	0.9	Retain	Tree located on adjoining property. Major encroachment (>10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).
T30	<i>Dead tree</i>	550	600	6.60	2.67	5	1	Dead	Significant	Dead	Fair	1	0	0.5	Retain	Habitat stag. Located on the neighbouring property adjacent to proposed construction footprint. Major TPZ encroachment (>10% TPZ - AS4970-2009) from proposed works. Fauna friendly post and beam fence construction recommended. Due to trees reduced habitat stag state, TPZ encroachment is not subject to conditions. Tree to be retained and protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).
T31	<i>Dead tree</i>	280	300	3.36	2.00	5	1	Dead	Significant	Dead	Fair	1	0	0.5	Retain	Habitat stag. Located on the neighbouring property adjacent to proposed construction footprint. Minor TPZ encroachment (<10% TPZ - AS4970-2009) from proposed works. Fauna friendly post and beam fence construction recommended. Due to trees reduced habitat stag state, TPZ encroachment is not subject to conditions. Tree to be retained and protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).
T32	<i>Delonix regia</i>	500	550	6.00	2.57	10	12	Mature	Significant	Good	Good	1	0.7	0.8	Retain	No impacts from proposed works. Tree to be retained and protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).
T33	<i>Eucalyptus tereticornis</i>	550	600	6.60	2.67	26	10	Mature	Significant	Fair	Good	1	0.65	0.9	Retain	Tree located on adjoining property. Minor encroachment (<10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected. (Note: tree is subject to current assessment under A006082884, with removal/retention linked to any approval related to this application).

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ISSUE A B	DESCRIPTION ISSUED FOR INTERNAL REVIEW ISSUED FOR CLIENT REVIEW	DATE 11/11/25 17/11/25	DRAWN J.H J.H	AUTH. B.I B.I	ISSUE	DESCRIPTION	DATE	DRAWN	AUTH.	DISCLAIMER Trees Are Cool and it's Consulting Arborists has made every reasonable effort to ensure that this document is correct at the time of development. Trees Are Cool and it's Consulting Arborists, disclaim any and all liability to any person(s) in respect of anything or the consequences of anything done or omitted to be done as a result of this document.	PROJECT 80 BARRETT ST BRACKEN RIDGE - PROPOSED RESIDENTIAL DEVELOPMENT	TITLE TREE ASSESSMENT TABLE - SHEET 07	DESIGN ORIGINAL SIGNED BY: B.I DATE 17/11/25 DRAWN J.H DATE 07/11/25	DESIGN CHECK ORIGINAL SIGNED BY: B.I DATE 17/11/25 DRAWING CHECK M.G DATE 17/11/25	AUTHORISED FOR ISSUE ORIGINAL SIGNED BY: 	DATE	REFERENCE NO.	SCALE	PROJECT NUMBER / SHEET TAC-80BSBR-PRD-TAT-SH07	ISSUE A
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Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T34	<i>Pinus elliottii</i>	467	523	5.60	2.52	14	6	Mature	Undesirable	Good	Good	1	0.75	0.9	Remove	Tree located with development footprint. Buried at base by Brush Turkey nest/mound. BCC NALL 2003 Pest Vegetation species. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing and fencing. Tree proposed to be removed due to location within construction footprint/construction access requirements//major TPZ impacts from works and pest vegetation status within a proposed EPZ..
T35	<i>Mangifera indica</i>	550	530	6.60	2.53	7	8	Mature	Significant	Good	Good	0.9	0.7	0.9	Retain	Tree located within development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T36	<i>Eucalyptus tereticornis</i>	750	850	9.00	3.09	26	16	Over Mature	Significant	Poor	Good	1	0.65	0.8	Retain	Tree located on adjoining property. Major encroachment (>10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T37	<i>Eucalyptus crebra</i>	500	550	6.00	2.57	26	13	Mature	Significant	Good	Good	1	0.7	0.9	Retain	Tree located on adjoining property. Minor encroachment (<10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T38	<i>Glochidion sumatranum</i>	250	330	3.00	2.08	6	4	Mature	Significant	Good	Fair	1	0.75	0.9	Retain	Tree located within development footprint. Major encroachment (>10% TPZ (incl.. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T39	<i>Melaleuca linariifolia</i>	300	370	3.60	2.18	6	7	Mature	Significant	Good	Fair	0.8	0.65	0.8	Retain	Tree located within development footprint. Major encroachment (>10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007.A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T40	<i>Pinus elliottii</i>	450	500	5.40	2.47	15	5	Mature	Undesirable	Good	Good	1	0.75	0.9	Retain	Tree located on adjoining property. BCC NALL 2003 Pest Vegetation species. Major encroachment (>10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T41	<i>Pinus elliottii</i>	250	300	3.00	2.00	10	6	Mature	Undesirable	Good	Fair	1	0.65	0.9	Retain	Tree located on adjoining property. BCC NALL 2003 Pest Vegetation species. No impacts from proposed works. Tree to be retained and protected.
T42	<i>Pinus elliottii</i>	250	300	3.00	2.00	13	5	Mature	Undesirable	Good	Good	1	0.75	0.9	Retain	Tree located on adjoining property. BCC NALL 2003 Pest Vegetation species. No impacts from proposed works. Tree to be retained and protected.
T43	<i>Grevillea robusta</i>	300	350	3.60	2.13	13	4	Mature	Significant	Good	Good	1	0.7	0.9	Retain	Tree located on adjoining property. No impacts from proposed works. Tree to be retained and protected.
T44	<i>Melaleuca linariifolia</i>	490	550	5.88	2.57	10	6	Mature	Significant	Good	Good	1	0.7	0.9	Retain	Tree located on adjoining property. No impacts from proposed works. Tree to be retained and protected.
T45	<i>Melaleuca linariifolia</i>	250	300	3.00	2.00	5	3	Mature	Significant	Fair	Good	1	0.3	0.9	Retain	Tree located on adjoining property. No impacts from proposed works. Tree to be retained and protected.
T46	<i>Melaleuca linariifolia</i>	250	300	3.00	2.00	8	7	Mature	Significant	Good	Good	1	0.7	0.9	Retain	Tree located on adjoining property. No impacts from proposed works. Tree to be retained and protected.
T47	<i>Syzigium leuhmanii</i>	240	292	2.88	1.97	8	5	Mature	Significant	Good	Good	0.8	0.75	0.9	Retain	Tree located on adjoining property. Major encroachment (>10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T48	<i>Melaleuca quinquenervia</i>	400	450	4.80	2.37	10	8	Mature	Significant	Good	Good	1	0.7	0.9	Retain	Tree located on adjoining property. No impacts from proposed works. Tree to be retained and protected.

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T49	Melaleuca quinquenervia	600	600	7.20	2.67	10	9	Mature	Significant	Poor	Good	1	0.4	0.8	Retain	Tree located on adjoining property. Major encroachment (>10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T50	Melaleuca quinquenervia	400	450	4.80	2.37	9	7	Mature	Significant	Fair	Good	1	0.65	0.8	Retain	Tree located on adjoining property. Minor encroachment (<10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T51	Melaleuca quinquenervia	350	500	4.20	2.47	10	6	Mature	Significant	Fair	Good	1	0.7	0.8	Retain	Tree located on adjoining property. Minor encroachment (<10% TPZ - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing & fencing. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Any new fencing is to be of post and beam construction and to best utilise existing fencing post holes if feasible. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T52	Jaegera pseudorhus	321	361	3.85	2.16	10	4	Mature	Significant	Good	Good	0.8	0.75	0.8	Retain	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retention of existing timber fence strongly recommended, otherwise utilising the reuse of existing post holes if feasible. Any new fencing is to be of post and beam construction. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T53	<i>Harpulia pendula</i>	252	293	3.02	1.98	8	5	Mature	Significant	Good	Good	0.8	0.75	0.8	Retain	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retention of existing timber fence strongly recommended, otherwise utilising the reuse of existing post holes if feasible. Any new fencing is to be of post and beam construction. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T54	<i>Syzigium sp.</i>	480	550	5.76	2.57	10	5	Mature	Significant	Good	Good	0.8	0.75	0.9	Retain	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retention of existing timber fence strongly recommended, otherwise utilising the reuse of existing post holes if feasible. Any new fencing is to be of post and beam construction. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T55	<i>Syzigium sp.</i>	580	700	6.96	2.85	9	5	Mature	Significant	Good	Fair	0.8	0.65	0.9	Remove	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Recent significant pruning evident not too AS4373-2007. Tree proposed to be removed due to location within construction footprint/construction access requirements/future conflict with the adjoining built infrastructure/major TPZ impacts from works and significant pruning impacts on form and structure.
T56	<i>Syzigium sp.</i>	300	310	3.60	2.02	8	2	Mature	Significant	Good	Good	0.8	0.75	0.9	Retain	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retention of existing timber fence strongly recommended, otherwise utilising the reuse of existing post holes if feasible. Any new fencing is to be of post and beam construction. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.

Trees Are Cool

Arboricultural Consultant

Arboriculture matters



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Arboriculture Matters

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ISSUE A B	DESCRIPTION ISSUED FOR INTERNAL REVIEW ISSUED FOR CLIENT REVIEW	DATE 11/11/25 17/11/25	DRAWN J.H J.H	AUTH B.I B.I	ISSUE	DESCRIPTION	DATE	DRAWN	AUTH
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DISCLAIMER
Trees Are Cool and it's Consulting Arborists has made every reasonable effort to ensure that this document is correct at the time of development. Trees Are Cool and it's Consulting Arborists, disclaim any and all liability to any person(s) in respect of anything or the consequences of anything done or omitted to be done as a result of this document.

PROJECT

80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT

TITLE

TREE ASSESSMENT TABLE -
SHEET 11

DESIGN ORIGINAL SIGNED BY: B.I	DATE 17/11/25	DESIGN CHECK ORIGINAL SIGNED BY: B.I	DATE 17/11/25
DRAWN J.H	DATE 07/11/25	DRAWING CHECK M.G	DATE 17/11/25
AUTHORISED FOR ISSUE ORIGINAL SIGNED BY: 		DATE	REFERENCE NO.
PROJECT NUMBER / SHEET TAC-80BSBR-PRD-TAT-SH11			ISSUE A
SCALE			

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T57	<i>Syzigium sp.</i>	393	435	4.72	2.33	10	3	Mature	Significant	Good	Good	0.8	0.75	0.9	Retain	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retention of existing timber fence strongly recommended, otherwise utilising the reuse of existing post holes if feasible. Any new fencing is to be of post and beam construction. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.
T58	<i>Syzigium sp.</i>	280	343	3.36	2.11	8	3	Mature	Significant	Fair	Good	0.8	0.65	0.9	Retain	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retention of existing timber fence strongly recommended, otherwise utilising the reuse of existing post holes if feasible. Any new fencing is to be of post and beam construction. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.

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ISSUE
A
B

DESCRIPTION
ISSUED FOR INTERNAL REVIEW
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DATE
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DRAWN
J.H
J.H

AUTH.
B.I
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PROJECT

80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT

TITLE

TREE ASSESSMENT TABLE -
SHEET 12

DESIGN

ORIGINAL SIGNED BY:
B.I

DATE

17/11/25

DESIGN CHECK

ORIGINAL SIGNED BY:
B.I

DATE

17/11/25

DRAWN

J.H

DATE

07/11/25

DRAWING CHECK

M.G

DATE

17/11/25

AUTHORISED FOR ISSUE

ORIGINAL SIGNED BY:

DATE

REFERENCE NO.

SCALE

PROJECT NUMBER / SHEET

TAC-80BSBR-PRD-TAT-SH12

ISSUE

A

Tree ID	Genus/Species	DBH (mm)	DAB (mm)	TPZ radius (m) (AS4970-2009)	SRZ radius (m) (AS4970-2009)	Height (m)	Canopy Width (m)	Age	Tree Significance	Tree Health	Tree Structure	Burnley Location Modifier	Burnley Form and Vigour Modifier	Burnley ULE Modifier	Retention Value	Notes
T59	<i>Syzigium sp.</i>	332	367	3.98	2.17	10	4	Mature	Significant	Good	Good	0.8	0.75	0.9	Retain	Tree located with development footprint. Major encroachment (>10% TPZ (incl. SRZ) - AS4970-2009) from proposed works including, but not limited to, clearing/grubbing, fill & footings. Project Arborist supervision, direction and determination of all works within the TPZ. Tree protection fencing required, extent and time of implementation to be determined onsite during pre-start meetings. All demolition & clearing grubbing to be undertaken using smallest machine size feasible and may require manual assistance, with soil/ground disturbance within the TPZ to be minimised/negated. Post and pier foundations and footings required for dwelling where located within the TPZ and depth of hole exceeds existing ground levels. Retention of existing timber fence strongly recommended, otherwise utilising the reuse of existing post holes if feasible. Any new fencing is to be of post and beam construction. Retaining walls are to be of concrete sleeper/post construction. All post holes within the TPZ are to be vacuum excavated under low pressure (<400psi) with minor relocation required if tree roots of significant size/volume are encountered. Any root pruning is to be assessed, determined and undertaken by the Project Arborist using clean sharp hand tools and in accordance with AS4373-2007. All post hole footings within the TPZ are to be lined with thick black plastic to minimise leachate. Canopy clearance pruning determined by the Project Arborist may be required to allow for infrastructure installation and mitigate future conflict with adjoining built infrastructure. All pruning to be undertaken by a minimum AQF Level 3 qualified and experienced Arborist in accordance with AS 4373-2007. A Plant Health Care Program is to be determined and implemented to assist with minimising/mitigating impacts to the tree and to improve soil health. Subject to adherence with the forementioned requirements, the tree can be feasibly retained and is to be protected.

Burnley Location Descriptor	Multiplier	Burnley ULE Descriptor	Multiplier	Burnley Form and Vigour Descriptor	Multiplier	Burnley Form and Vigour Descriptor	Multiplier	Burnley Form and Vigour Descriptor	Multiplier
perfect suitability	1	< 10 years	0.5	Perfect form and excellent vigour	1	Good form with poor vigour	0.65	Poor vigour with average form	0.3
could be better located but no problems	0.9	10 - 19 years	0.6	Slight imperfections in form	0.9	Good vigour with poor form	0.65	Poor form and poor vigour	0.2
minor problems, such as lifting paving	0.8	20 - 29 years	0.7	Slightly reduced vigour	0.9	Bifurcation of trunk and excellent vigour	0.6	Excessive deadwood, cavities and poor form	0.1
species unsuited OR causes problems	0.7	30 - 39 years	0.8	Slight imperfections and slightly reduced vigour	0.8	Bifurcation of trunk and good vigour	0.55	Dead	0
species unsuited AND causes problems	0.6	40 - 49 years	0.9	Good form with good vigour	0.75	Bifurcation of trunk and average vigour	0.5		
species unsuited AND causing MAJOR problems	0.5			Good form with average vigour	0.7	Bifurcation of trunk and poor vigour	0.4		
species unsuitable	0.4			Good vigour with average form	0.7	Poor form with average vigour	0.3		

- STANDARD NOTES
1.

THIS DRAWING MUST BE READ IN CONJUNCTION WITH TAC-80BSBR-PRD-TMP- SO, TAC-80BSBR-PRD-TMP-E, TAC-80BSBR-PRD-TMP-SS, TAC001, TAC002 AND TAC003.
2.

FOR FURTHER DETAILS AND SPECIFICATIONS PLEASE REFER TO DOCUMENT "ARBORICULTURAL IMPACT ASSESSMENT".
3.

CONSULT WITH LEVEL 5 PROJECT ARBORIST PRIOR TO WORKS WITHIN TREE PROTECTION ZONES AND TO SUPERVISE TREE PRUNING AND REMOVAL.
4.

THIS DRAWING IS ONLY INTENDED FOR TREE MANAGEMENT AND PROTECTION DETAIL.
5.

ONLY TREES LOCATED WITHIN THE CURRENT PROJECT AREA ARE DETAILED IN THIS DRAWING.

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Arboricultural Consultant
Arboriculture matters



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ISSUE
A
B

DESCRIPTION
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PROJECT

80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT

TITLE

TREE ASSESSMENT TABLE -
SHEET 13

DESIGN ORIGINAL SIGNED BY: B.I	DATE 17/11/25	DESIGN CHECK ORIGINAL SIGNED BY: B.I	DATE 17/11/25
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IMAGE 1 (BELOW). CROSS SECTION OF STRUCTURAL SOIL AND AERATION/MOISTURE TUBE PROFILE

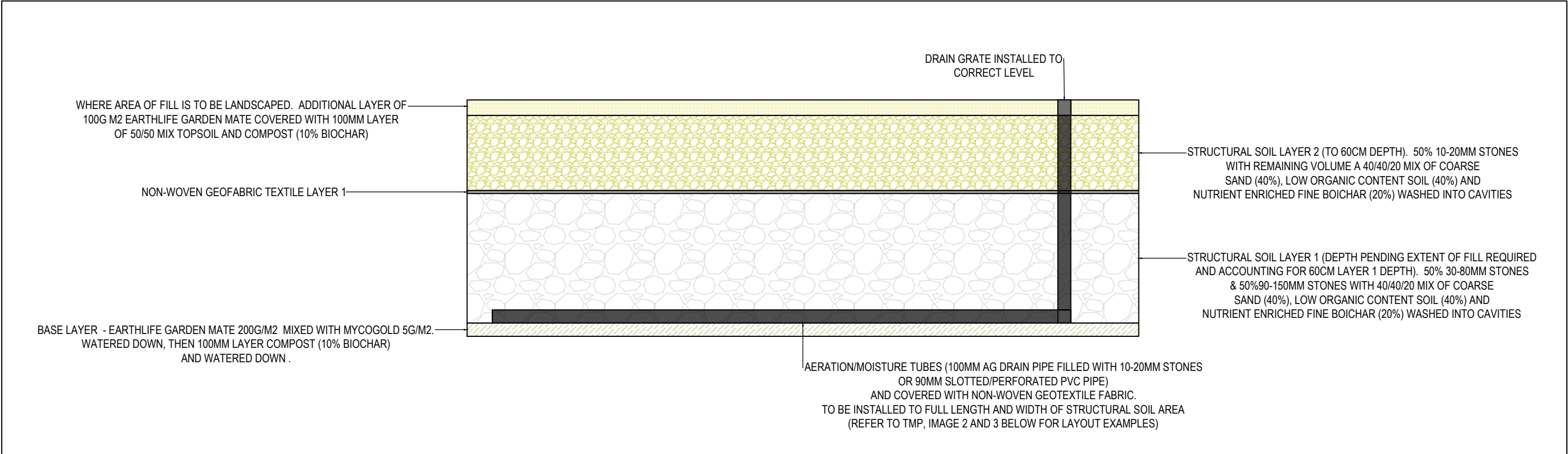


IMAGE 2 (ABOVE). EXAMPLE OF AERATION/MOISTURE TUBE ALIGNMENT

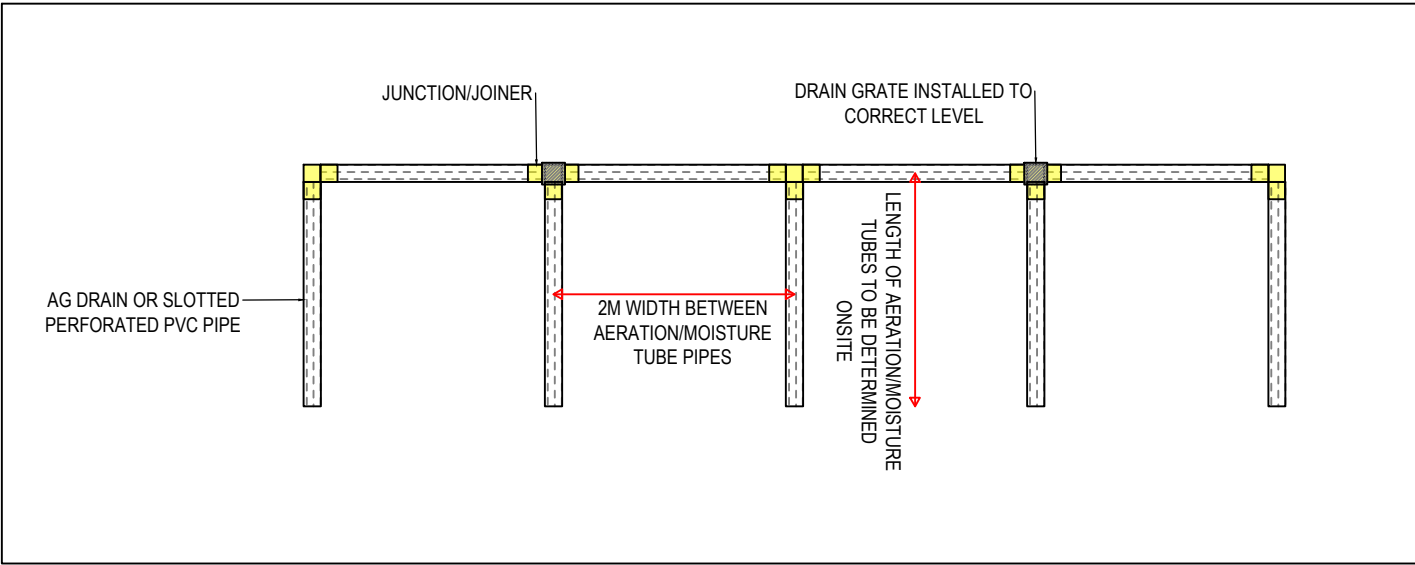


IMAGE 3 (ABOVE). AERIAL VIEW OF AERATION/MOISTURE TUBE ALIGNMENT

Trees Are Cool
Arboricultural Consultant
Arboriculture matters


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PROJECT
80 BARRETT ST BRACKEN RIDGE
- PROPOSED RESIDENTIAL
DEVELOPMENT

TITLE
STRUCTURAL SOIL

DESIGN
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ISSUE
B

GENERAL TREE PROTECTION GUIDELINES

The following activities are restricted within the root plate or TPZ area of retained trees as per AS4970-2009 S 4.2:

- a) Machine excavation including trenching
- b) Excavation for silt fencing
- c) Cultivation
- d) Storage
- e) Preparation of chemicals, including preparation of cement products
- f) Parking of vehicles and plant
- g) Refueling
- h) Dumping of waste
- i) Wash down and cleaning of equipment
- j) Placement of fill
- k) Lighting of fires
- l) Soil level changes
- m) Temporary or permanent installation of utilities and signs
- n) Physical damage to the tree

It is important when working with machinery under trees that appropriately sized machines are used, and that careful movement of machinery is undertaken so that contact is not made with tree branches or the trunk of retained trees. Consideration must also be given to the location of the machine's exhaust so that it does not cause foliage to burn from any upward facing exhaust systems.

The Project Arborist must be engaged prior to any variation to works, especially within the TPZ of retained trees.

Please communicate with your project Arborist should you have any questions or queries about the above processes.

TREE PROTECTION ZONE (TPZ)

The Tree Protection Zone (TPZ) is the principal means of protection of trees on development sites. The TPZ is the combination of the root area and crown area requiring protection. It is the minimum area to be isolated from construction disturbance for a tree to generally remain viable. The TPZ incorporates the SRZ.

STRUCTURAL ROOT ZONE (SRZ)

The Structural Root Zone (SRZ) is the minimum area required for tree stability. A larger area is required to maintain a viable tree.

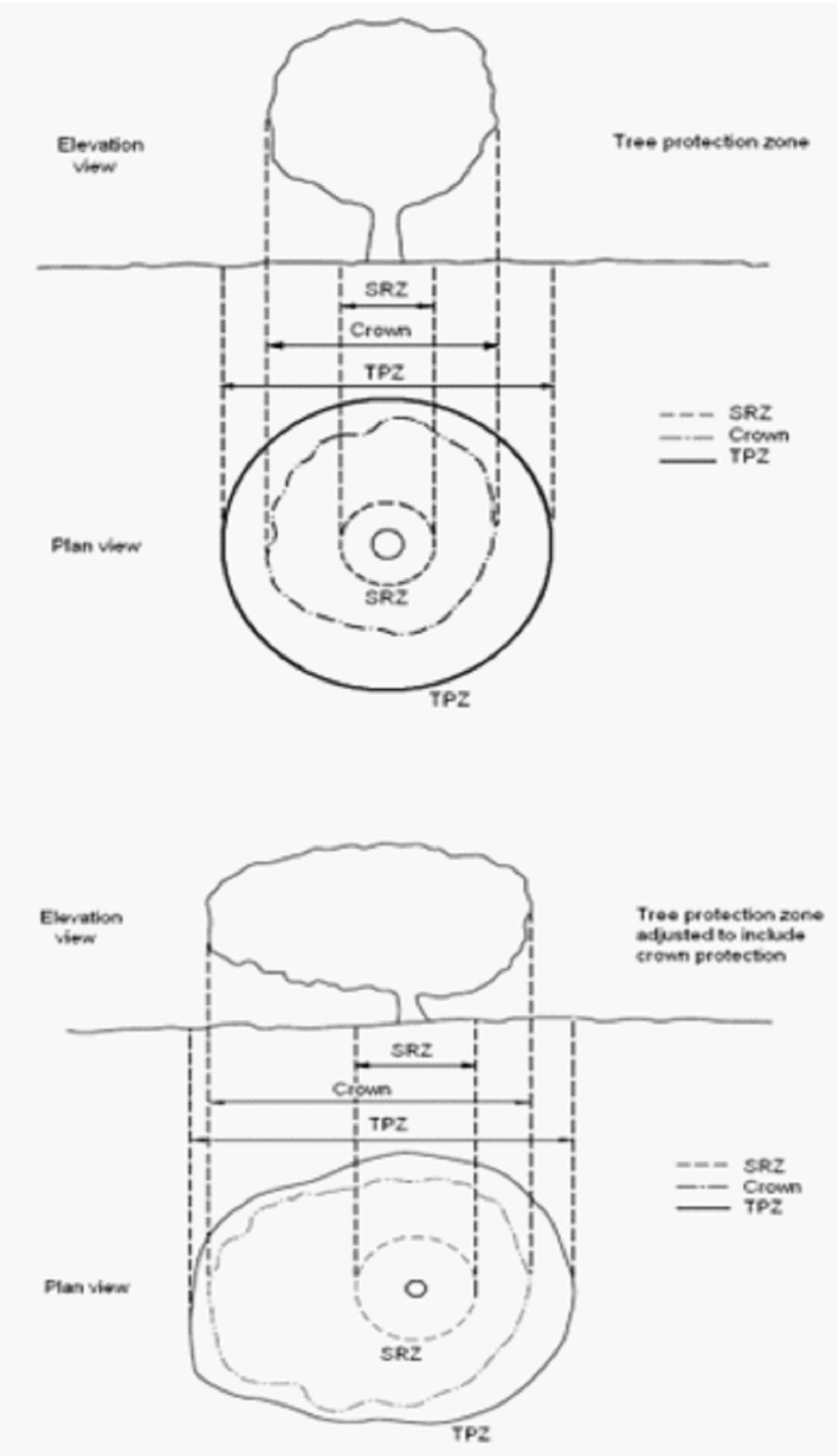
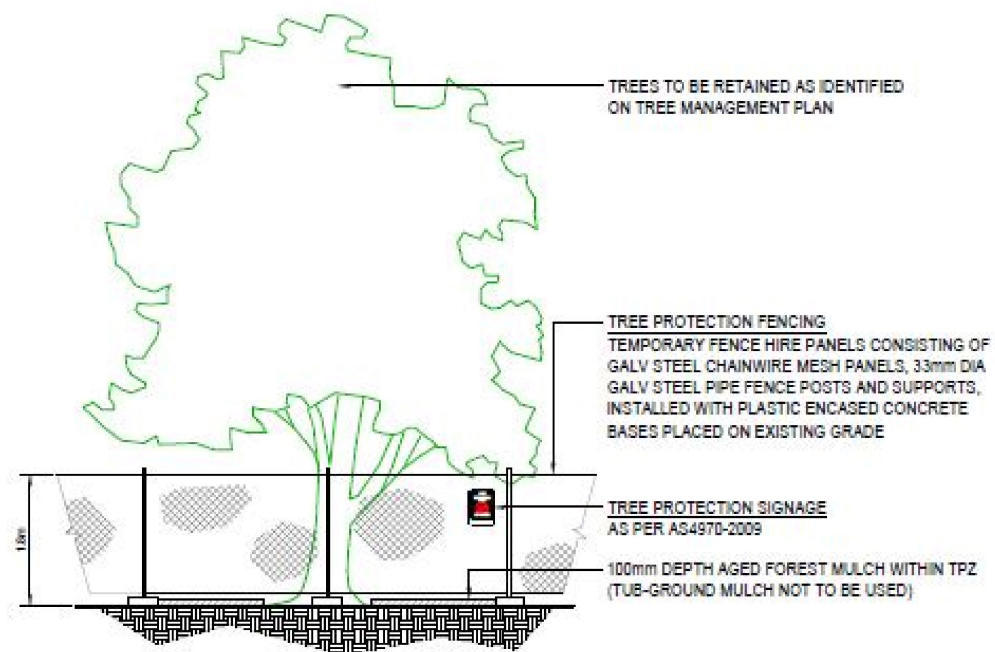


Image source: AS4970-2009 - Protection of trees on development sites



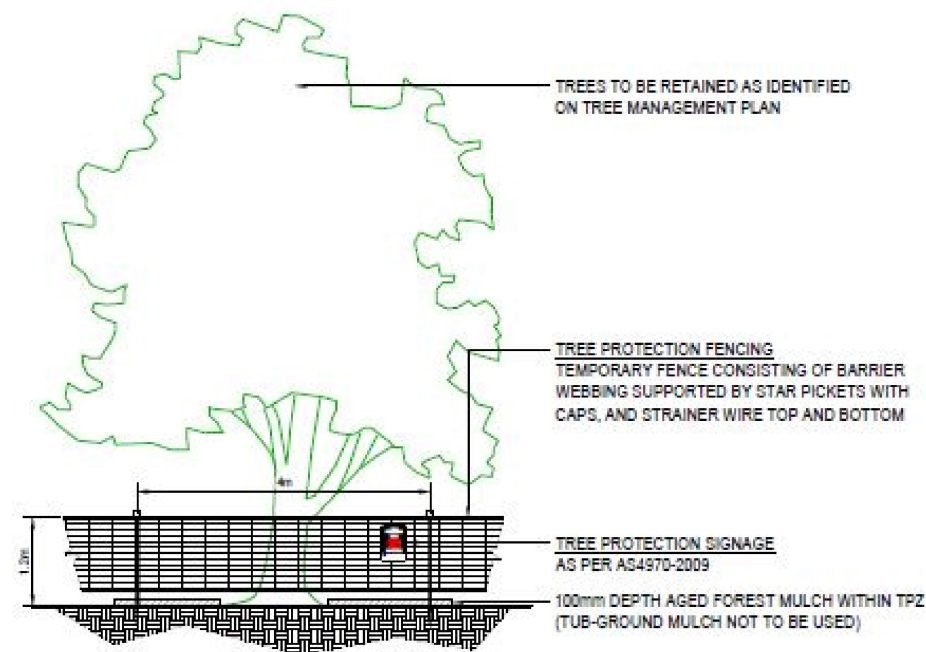
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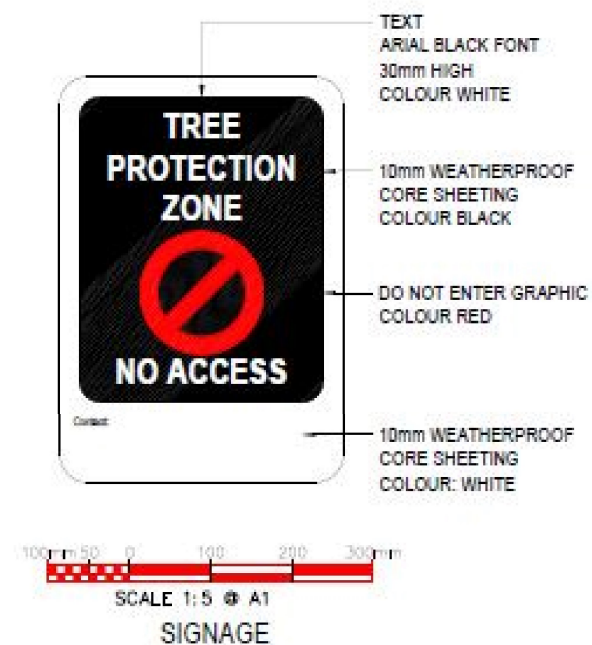
SCALE 1:50 @ A1

TEMPORARY CHAINWIRE MESH PANELS



SCALE 1:50 @ A1

TEMPORARY BARRIER WEBBING



STANDARD NOTES

1. FOR TREE DETAILS AND SPECIFICATIONS FOR REMOVAL AND LIMITS PLEASE REFER TO DOCUMENTS: "ARBORICULTURAL IMPACT ASSESSMENT", "TREE MANAGEMENT PLAN" AND "TREE ASSESSMENT TABLE".
2. CONSULT WITH LEVEL 5 PROJECT ARBORIST PRIOR TO EXCAVATION WITHIN TREE PROTECTION ZONES (TPZ) & STRUCTURAL ROOT ZONES (SRZ), AND TO SUPERVISE TREE PRUNING AND REMOVAL.
3. ALL WORKS WITHIN TREE PROTECTION ZONES IS TO BE IN ACCORDANCE WITH AS4970-2009 - PROTECTION OF TREES ON DEVELOPMENT SITES.
4. FENCING IS TO BE PLACED AS PER TREE PROTECTION ZONE (TPZ) MINIMUM UNLESS OTHERWISE STATED. REFER TO DOCUMENTS "ARBORICULTURAL IMPACT ASSESSMENT", "TREE MANAGEMENT PLAN" AND "TREE ASSESSMENT TABLE" FOR FURTHER DETAIL.

CONSTRUCTION



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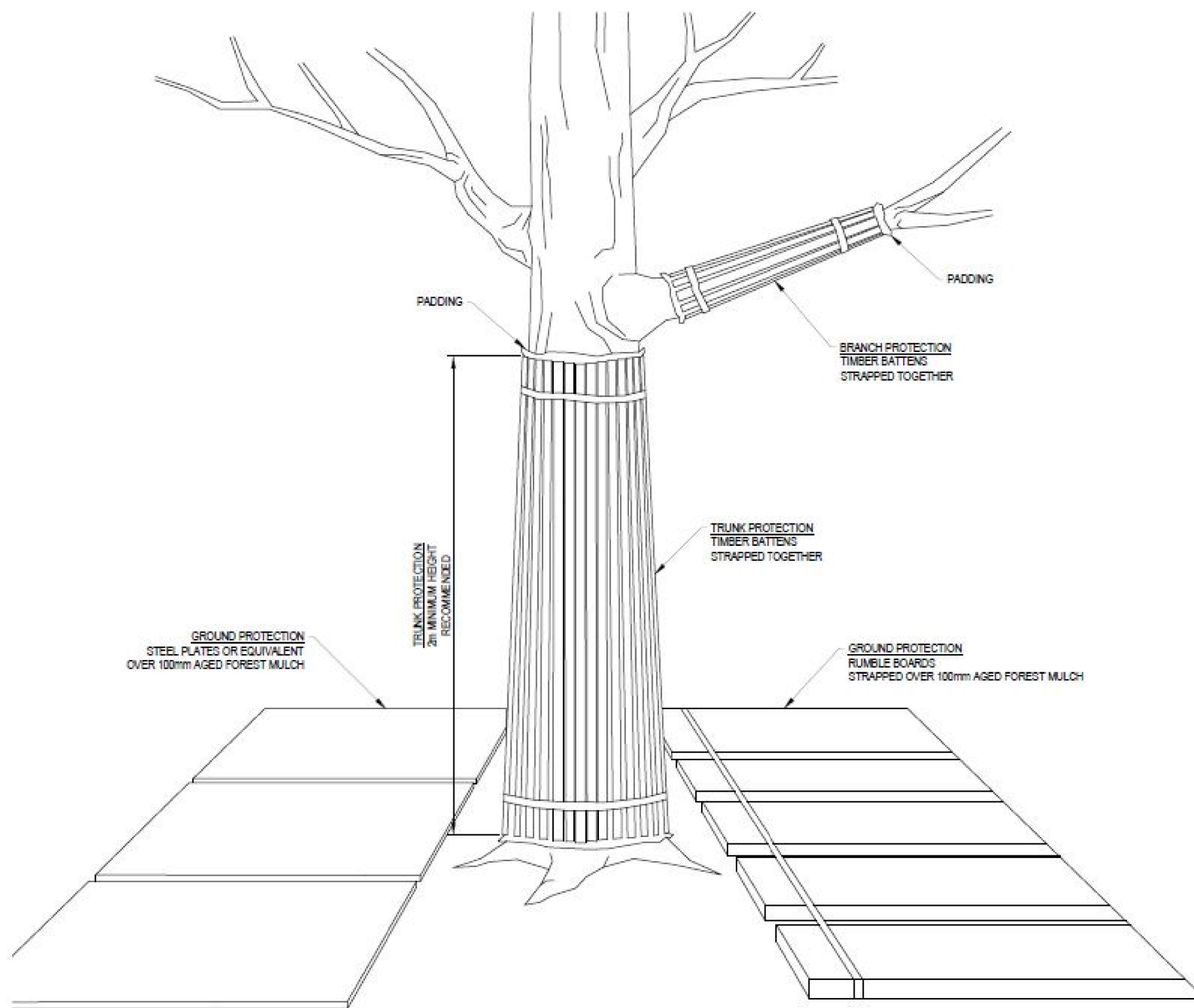
DRAWN MG

DATE 25 FEB 2021

SCALE N/A

TREE PROTECTION FENCING STANDARD DETAIL -
TAC001

A3



STANDARD NOTES

1. PRIOR TO THE COMMENCEMENT OF WORK A QUALIFIED (AQF LEVEL 5) ARBORIST MUST BE ENGAGED WITH REGARDS TO SPECIFIC HEALTH REQUIREMENTS FOR RETAINED TREES - ESPECIALLY MATURE TREES AND THOSE OF SPECIAL SIGNIFICANCE. TREE HEALTH WILL REQUIRE PERIODIC ASSESSMENT DURING EXTENDED CONSTRUCTION WORK
2. MACHINERY AND OTHER PLANT MUST NOT BE LOCATED WITHIN THE TPZ
3. MATERIALS AND POSITIONING OF TRUNK AND BRANCH PROTECTION TO BE DETERMINED BY PROJECT ARBORIST. BOARDS ARE TO BE STRAPPED TO TREES, NOT NAILED OR SCREWED
4. TIMBER BATTENS ALLOW WILDLIFE TO CLIMB TREE TRUNKS AND BRANCHES TO ACCESS TREE CANOPY
5. WHERE TEMPORARY ACCESS FOR MACHINERY IS REQUIRED WITHIN THE TPZ PROVIDE GROUND PROTECTION AS DETAILED. RUMBLE BOARDS AND STEEL PLATES ARE TO BE OF AN APPROPRIATE THICKNESS TO PREVENT SOIL COMPACTION AND ROOT DAMAGE AND MUST BE CERTIFIED BY THE PROJECT ARBORIST
6. ALL TREE PROTECTION MEASURES TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS4970- PROTECTION OF TREES ON DEVELOPMENT SITES
7. PROJECT ARBORIST MUST CONDUCT FINAL CERTIFICATION ASSESSMENT AND REPORT TO ENSURE THAT TREE HEALTH OF RETAINED TREES HAS NOT BEEN ADVERSELY AFFECTED AND THAT TREE PROTECTION MEASURES HAVE BEEN IMPLEMENTED THROUGH ALL STAGES OF CONSTRUCTION.

CONSTRUCTION



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WORKING INSIDE THE TPZ - STANDARD DETAIL -
TAC002

A3