

# TreeCentric Tree Solutions ABN. 95795540343

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## **\*Recommendations pertaining to the trees with the potential to be impacted upon by the proposed development at 3856 Bruny Island Main Rd, Alonnah.**

### **AMMENDED 13<sup>TH</sup> DEC, 2024.**

TreeCentric Tree Solutions was approached to take on the role of Project Arborist for the proposed development at 3856 Bruny Island Main Rd, Alonnah. As mentioned in the Natural Values Assessment (NVA) prepared by Lark & Creese (Summers, Aug, 2024), there are 13 trees on the site that have the potential to be impacted upon by the proposed development. The subsequent planning of the dwelling site, shed site and the location of the driveway has been thorough. As a result, Lark & Creese **identified only 3 trees that will incur a minor encroachment into their Tree Protection Zone (TPZ)**. I am satisfied that the planning for the site has resulted in a set out that has little to no impact on the trees adjacent to the driveway and structures.

As shown in Lark & Creese's NVA, Tree 4, Tree 5 & Tree 6 will have their TPZ encroached upon by the proposed driveway. Tree 8, Tree 10 & Tree 11 will have a very small level of encroachment into their TPZ by the proposed location of the shed. Tree 4, 5, 6, 8, 10 & 11 are all *Eucalyptus ovata* (Swamp/Black Gum). Tree 5, 6, 8, 10 & 11 are all of High Conservation Value status.

**Tree 8, Tree 10 & Tree 11 all have such a low percentage of encroachment that the impact is negligible. For Tree 4, 5 & 6 some care is required with the distance of any proposed disturbance required to construct the driveway. Table 1. Shows the relevant data pertaining to these 3 trees and the limits of approach concerning their TPZ.**

**If the TPZ fencing is installed in accordance with the guidelines set out in Table 2. then Tree's 1, 2, 3, 7, 9, 12 & 13 will not incur any encroachment into their TPZ's.**

**If the TPZ fencing is installed in accordance with the guidelines set out in Table 2. then the TPZ's of Tree's 8, 10 & 11 will only incur an encroachment of less than 5% which is absolutely acceptable.**

**Table 1. Relevant data pertaining to the Tree Protection Zones (TPZ) of Tree 4, 5 & 6 at the site, and the acceptable limits of approach concerning encroachment by the proposed developments driveway.**

TREE NO	DBH in cm	TPZ in m	TOTAL TPZ AREA m2	ACCEPTABLE DISTANCE TO DISTURBANCE in m	TOTAL ENCROACHMENT AREA m2	TOTAL ENCROACHMENT %
1	57	6.84	146.98	6.84	NIL	NIL
2	42	5.04	79.8	5.04	NIL	NIL
3	48	5.76	104.23	5.76	NIL	NIL
4	39	4.68	68.81	3.3	6.31	9.17%
5	56	6.72	141.87	4.7	13.38	9.43%
6	42	5.04	79.8	3.5	7.71	9.66%
7	31	3.72	43.47	3.72	NIL	NIL
8	51	6.12	117.67	4.95	5.73	>5%
9	29	3.48	38.05	3.48	NIL	NIL
10	64	7.68	185.3	6.2	9.13	>5%
11	56	6.72	141.87	5.5	6.4	>5%
12	48	5.76	104.23	5.76	NIL	NIL
13	32	3.84	46.32	3.84	NIL	NIL

## **RECOMMENDATIONS**

**Tree 4** is a young tree with good health and structure. By maintaining a minimum distance of 3.3m to any soil disturbance required for the construction of the proposed driveway this tree will not be impacted upon.

**Tree 5** is a mature tree with very poor health and very poor structure. By maintaining a minimum distance of 4.7m to any soil disturbance required for the construction of the proposed driveway and shed this tree will not be impacted upon. The entire upper canopy of this tree is dead which would naturally lead to a reduced root zone and essentially a smaller TPZ required. Of greater concern with this tree is that it actually poses a risk to any persons or equipment that may be involved in the proposed development and beyond. I recommend that at the very least, this tree has all its deadwood removed as a safety measure. This tree could also be considered for removal.

**Tree 6** is a young tree with very poor health and very poor structure. By maintaining a minimum distance of 3.5m to any soil disturbance is required for the construction of the proposed driveway and shed, this tree will not be impacted upon. This tree is almost entirely dead and as with Tree 5 would have a greatly reduced root zone. I do not expect this tree to survive or to stay standing if nothing is done to help it. I recommend that this tree, along with Tree 7 which is dead, be brought down to approximately 5m in height and retained as habitat trees or removed completely.

A Tree Protection Plan is recommended to ensure that the TPZ's of the trees in close proximity to the proposed development areas are not compromised. Table 2. Sets out the required distances that the TPZ fencing is required to be installed at. This is important, as it ensures that any encroachment into the 13 trees, falls within the parameters of the recommendations for minimum impact stated in this report.

## **TREE PROTECTION PLAN.**

### **Pre-construction management**

-Any tree pruning or tree removals required at the site should be carried out by a suitably qualified Arborist in accordance with AS4373-1996 (1996) *Pruning of Amenity Trees*. The pruning or removal of any trees on the site needs to be done strategically so as to avoid damaging any above ground part of the trees to be retained. And furthermore, the removal process needs to be done with the least disturbance and damage to the soil and roots of the trees to be retained.

-Tree protection fencing to be erected using star pickets with barrier mesh and flagging rope to a height of approximately 1.5m. 5 areas require fencing off for protection. Tree 1, 2, 3 & 4 will be fenced off as a group. Tree 5, 6, 7, 8, 10 & 11 will also be fenced off as a group. Tree 9, 12 & 13 will be fenced off individually **Figure 1.** shows the approximate locations of the 5 separate TPZ fenced areas. **Table 2.** shows the relevant TPZ sizes for each tree.

-Signage to be placed on the approaching side of the 5 separate TPZ fenced areas (See example **Figure 3.**).

- The Project Arborist to oversee erection of TPZ fencing and signage.

### **During construction management**

-Any stakeholders involved at the site during the construction phase must read and sign off on the TPZ rules. TPZ staking, barrier mesh/flagging rope and signage to remain intact for the duration of the construction phase. TPZ rules to be adhered to at all times (See **Figure 2.**).

-The project Arborist must be alerted if anything that contravenes the tree protection plan is necessary. Intermittent site inspections to be carried out by Project Arborist to check that Tree protection measures are being maintained.

**Table 2. Relevant data pertaining to the TPZ fencing of the 13 Trees at the proposed development site at 3856 Bruny Island Main Rd, Alonnah.**

<b>TREE NO</b>	<b>SPECIES</b>	<b>DBH in cm</b>	<b>ACCEPTABLE RADIUS OF TPZ FENCING in m</b>	<b>CONSERVATION STATUS</b>
1	<i>Eucalyptus ovata</i>	57	6.84	High
2	<i>Eucalyptus ovata</i>	42	5.04	High
3	<i>Eucalyptus ovata</i>	48	5.76	High
4	<i>Eucalyptus ovata</i>	39	3.3	
5	<i>Eucalyptus ovata</i>	56	4.7	High
6	<i>Eucalyptus ovata</i>	42	3.5	High
7	<i>Eucalyptus ovata</i>	31	3.72	
8	<i>Eucalyptus ovata</i>	51	4.95	High
9	<i>Eucalyptus ovata</i>	29	3.48	
10	<i>Eucalyptus ovata</i>	64	6.2	High
11	<i>Eucalyptus ovata</i>	56	5.5	High
12	<i>Eucalyptus ovata</i>	48	5.76	High
13	<i>Eucalyptus pulchella</i>	32	3.84	

### **Post construction management**

-At the completion of the development of the site the TPZ stakes, barrier mesh/flagging rope and signage can be taken down. Project Arborist to report on overall compliance to the TPZ rules and the overall health of the trees. Any issues raised should be commented on, and recommendations made for the management of the trees into the future.

### **COMMENTS**

To ensure that no further impact is placed on the trees at the proposed site, any other excavation required for services such as electricity, drainage, stormwater overflow, septic/AWTS or associated plumbing should be located outside of the designated TPZ fenced areas. As demonstrated the level of encroachment into the TPZ's of the trees at the proposed development site is very minimal and is not expected to have any detrimental impact upon the trees. Providing the proposed project is carried out following the guidelines in this document, these trees will remain viable entities in the landscape well into the future.

**Signed**

A handwritten signature in black ink, appearing to read 'Andy Angliss', written in a cursive style.

**Andy Angliss**

**Figure 1.** Approximate locations of the 5 designated TPZ fenced areas (in yellow) at the proposed development site at 3856 Bruny Island Main Rd, Alonnah. (Adapted from Lark & Creese, Summers, Aug 2024).



**Figure 2. Rules of the TPZ for the proposed development at 3856 Bruny Island Main Rd, Alonnah.**

**AGREEMENT REGARDING TREE PROTECTION ZONE  
RULES AT 3856 Bruny Is Main Rd, Alonnah (Adapted from AS-4970-2009 Protection of trees on development sites.)**

Site rules in consideration of protecting the retained trees of High Conservation Value on the site during the construction phase of the development. These rules are to be read, understood and signed off by all relevant stakeholders involved in the development of the site.

Acceptable TPZ’s for the trees to be retained at the site have been outlined in the Arborists report, [Table 2](#).

1. A copy of the Arborists report should be available upon request at or before attending the site.
2. Signage at entrance to property that states that TPZ are being maintained on the site by staked areas delineated with barrier mesh/flagging rope and signage.
3. The TPZ’s delineated by stakes and barrier mesh/flagging rope are a no go zone for any activity, including but not exclusive to the following;- no damage to the trees or their roots, no machinery storage or works, no people, no storage of materials, no parking, no refuelling, no cleaning of tools, no fires, no dumping of soil, unused concrete, rubbish, chemicals or paint.
4. The boundary and any associated signage of the TPZ’s must be maintained at all times.
5. If any alteration to the TPZ boundary is required, then the project Arborist must be contacted.

DATE	NAME	ORGANISATION	SIGNITURE

**Figure 3.** Example of sign to be fixed to the approaching side of the 5 separate areas of TPZ fencing on the proposed development site at 3856 Bruny Island Main Rd, Alonnah.



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