



Tree inclined

## Impact of construction of the Jackjumpers High Performance Centre, Kingston, on existing trees.



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## 1. Terms of reference

- This assessment of potential impact by development on trees at a subdivided lot of 10 Kingston View Drive, Kingston was prepared for Tim Cuthbertson, Senior Associate / Architect with Artas Architects.
  - Trees included in this evaluation are native species with trunk diameter greater than 0.25 m at 1.4m above the ground growing within 15 m of the proposed development.
  - Data on two additional specimens – a small wattle (9) and a non-native conifer (10) – are also included.
- Ground based inspection of the trees was completed on 25/9/2024.
- Drawing used for this assessment was:
  - Tasmania Jackjumpers High Performance Centre, Site Plan and Demolition Works, A10-SK15 by Artas Architects.

## 2. Findings summary and tree protection recommendations

- Tree 7 (Melaleuca), 8 (sticky wattle), and 9 (wattle) are expected to sustain significant root damage during the removal of the existing soil berm and car park construction.
  - Removal of trees 7, 8 and 9 would be necessary to achieve the current design.
- All remaining trees are not expected to be directly impacted by the proposed works and could be retained.
  - I recommend that tree protection barriers be erected at the indicated TPZ radii around trees 1 and 2, 3 and 4, 5 and 6 to exclude access by machinery and storage or disposal of building materials. Should access to the TPZ areas become necessary, seek further advice from an arborist.
  - Consider excluding the upper bank area along Kingston View Drive from the work site completely, if possible.

### 3. The proposed development

The works include demolition of the existing go-cart track and building, construction of a new building and car parking accessible via a new crossover from Twin Ovals Road.

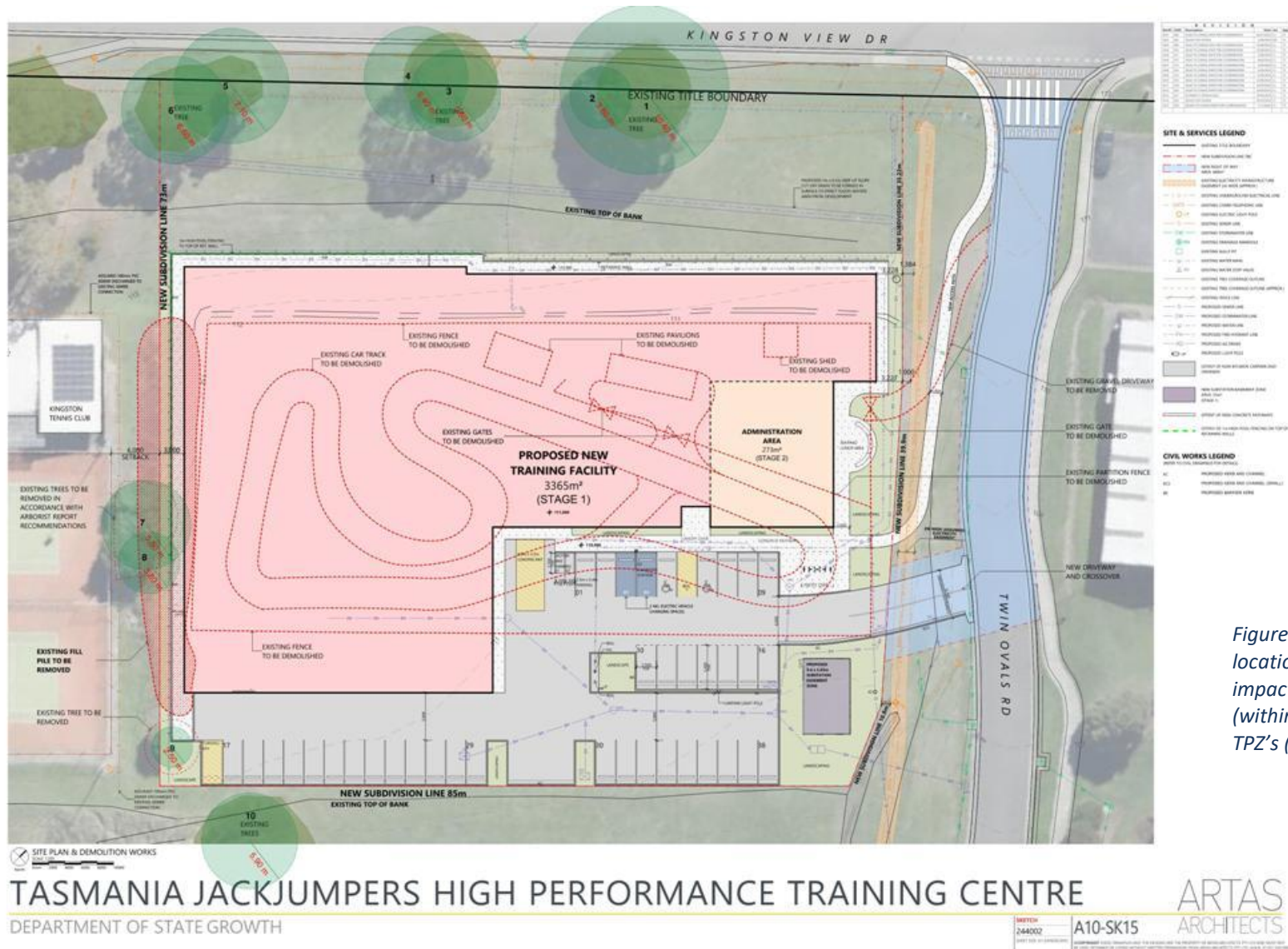


Figure 1. Site plan showing the location of trees potentially impacted by the development (within 15 m of works) and their TPZ's (green shading)

#### 4. Potential impact of works on nearby trees

TREE	SPECIES	DBH	TPZ	Comments	Enc %	Ret.	Rem_Reas
1	Eucalyptus nicholii	0.87	10.4			Y	
2	Acacia melanoxylon	0.32	3.8			Y	
3	Eucalyptus pauciflora	0.47	5.6			Y	
4	Eucalyptus pauciflora	0.53	6.4			Y	
5	Eucalyptus pauciflora	0.59	7.1			Y	
6	Eucalyptus pauciflora	0.55	6.6			Y	
7	Melaleuca armillaris	0.46	5.5	Five-leader from near ground level. Tree grows on southern side of the soil berm. Northern leaders are resting on the soil berm. Removal of the soil berm will damage roots and remove support for leaders.	>50	N	Excessive root damage expected
8	Acacia howittii	0.32	3.8	Four-leader from near ground level. Tree grows on southern side of the soil berm. Decay in leaders. Removal of the soil berm will damage roots.	>50	N	Excessive root damage expected
9	Acacia sp.	<0.25		Shrub. Recently storm damaged - lost eastern leaders.	>50	N	Excessive root damage expected
10	Hesperocyparis macrocarpa	0.49	5.9	Non-native. End tree in a row of cypresses.	N/A	N/A	

Tree - tree number in attached plans  
 Species - botanical name of tree  
 DBH - trunk diameter over bark at approximately 1.4m above the ground  
 Comments - key points affecting the tree's potential for maintenance within the scope of the proposed development  
 TPZ - tree protection zone radius (m)\*  
 Enc % - proportion of the TPZ impacted by proposed works  
 RET. - retention recommendation (Y – yes, to be retained; N – no, tree to be removed)  
 Rem\_Reas - reason for tree removal

- TPZ dimensions were guided by AS 4970-2009, Protection of trees on development sites.