

Landscape Referral Response

Application Number:	DA2023/1206
Date:	04/09/2023
Proposed Development:	Alterations and additions to a dwelling house including secondary dwelling
Responsible Officer:	Brittany Harrison
Land to be developed (Address):	Lot 8 DP 232257 , 6 Net Road AVALON BEACH NSW 2107

Reasons for referral

This application seeks consent for the following:

- Construction / development works within 5 metres of a tree or
- New residential works with three or more dwellings. (RFB's, townhouses, seniors living, guesthouses, etc). or
- Mixed use developments containing three or more residential dwellings.
- New Dwellings or

Officer comments

The proposal is supported with regard to landscape issues.

Council's Landscape Referral section have assessed the application against the Pittwater Local Environment Plan, and the following Pittwater 21 DCP controls (but not limited to):

- B4.22 Preservation of Trees and Bushland Vegetation
- C1.1 Landscaping
- D1 Avalon Beach Locality

It shall be noted Landscape Referral only assesses the works within the property boundaries, and any work in the road reserve shall be determined under the appropriate applications. Existing encroachments within the road reserve are noted and Council reserves the future right to seek removal of any unapproved encroachment for public safety or for any other public capital works.

The Arboricultural Impact Assessment (AIA) identified 16 trees of which trees 1, 2, 2.1, 2.2, 3, 5, 6, 7, 9, 10, 11, 12 and 13 are located in neighbouring properties and must be retained and protected during works. The retention of the neighbouring trees is supported by the Arborist's findings. Trees 4, 8 and 14 are within the property boundaries and will be retained. Some trees will require works within their tree protection zones and as such a Project Arborist shall be engaged to supervise these works. Footing design for the suspended driveway and garage/workshop/carport, adjacent to trees 12 and 14, shall be undertaken in collaboration with the Arborist. The tree protection requirements outlined in the AIA are supported, subject to the imposed conditions.

The landscape proposal is generally supported and all proposed planting shall be installed in accordance with the requirements outlined in the conditions of consent.

The proposal is therefore supported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

Recommended Landscape Conditions:

CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF THE CONSTRUCTION CERTIFICATE

Footing Design Near Trees to be Retained

- a) footing structural layout plans for the works including the driveway and carport/garage/workshop shall be developed in co-ordination with an Arborist with AQF minimum Level 5 qualifications in arboriculture, and a qualified Structural Engineer, following a non-destructive tree root investigation (if required by the Arborist), complying with clause 3.3.4 of AS 4970-2009 Protection of trees on development sites, near existing tree(s) 12 and 14, to locate critical tree roots and recommend footing design and locations for the construction works.
- b) the Arborist shall review, comment, recommend design revision as required and approve the footing layout, to ensure the locations of footings will be manageable in terms of tree protection measures.
- c) the Arborist shall submit certification to the Certifier, that the locations of the footings are accepted.
- d) the agreed footing structural layout plans shall be submitted to the Certifier for approval prior to the issue of a Construction Certificate.

Reason: Tree protection.

CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT

Project Arborist

- a) a Project Arborist with minimum AQF Level 5 in arboriculture shall be engaged prior to any commencement of works on site to provide tree protection measures in accordance with AS 4970-2009 Protection of trees on development sites, and any recommendations of an approved Arboricultural Impact Assessment.
- b) the Project Arborist shall be in attendance and supervise all works as nominated in the Arboricultural Impact Assessment, and in particular:
 - i) works and tree protection measures under section 5 Recommendations,
 - ii) any landscape works in the tree protection zone of trees to be retained.
- c) All tree protection measures specified must:
 - i) be in place before work commences on the site, and
 - ii) be maintained in good condition during the construction period, and
 - iii) remain in place for the duration of the construction works.
- d) the Project Arborist shall provide certification to the Certifier that all tree protection measures under AS 4970-2009 have been satisfied, and the recommendations listed for the protection of the existing tree(s) have been carried out satisfactorily to ensure no impact to the health of the tree(s). Photographic documentation of the condition of all trees to be retained shall be recorded, including at commencement, during the works and at completion.

Note: any potential impact to trees as assessed by the Project Arborist will require redesign of any approved component to ensure existing trees upon the subject site and adjoining properties are preserved and shall be the subject of a modification application where applicable.

Reason: Tree protection.

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Tree and Vegetation Protection

a) existing trees and vegetation shall be retained and protected, including:

- i) all trees within the site not approved for removal, including trees and vegetation nominated for retention on the approved Plans,
- ii) all trees and vegetation located on adjoining properties,
- iii) all trees and vegetation within the road reserve.

b) tree protection shall be undertaken as follows:

- i) tree protection shall be in accordance with AS 4970-2009 Protection of trees on development sites, and any recommendations of an approved Arboricultural Impact Assessment,
- ii) existing ground levels shall be maintained within the tree protection zone of trees to be retained, unless authorised by an Arborist/Project Arborist with minimum AQF Level 5 in arboriculture,
- iii) removal of existing tree roots at or >25mm (Ø) diameter is not permitted without consultation with an Arborist/Project Arborist with minimum AQF Level 5 in arboriculture,
- iv) no excavated material, building material storage, site facilities, nor landscape materials are to be placed within the canopy dripline of trees and other vegetation required to be retained,
- v) structures are to bridge tree roots at or >25mm (Ø) diameter unless directed by an Arborist/Project Arborist with minimum AQF Level 5 in arboriculture on site,
- vi) excavation for stormwater lines and all other utility services is not permitted within the tree protection zone, without consultation with an Arborist/Project Arborist with minimum AQF Level 5 in arboriculture including advice on root protection measures,
- vii) should either or all of v) or vi) occur during site establishment and construction works, an Arborist/Project Arborist with minimum AQF Level 5 in arboriculture shall provide recommendations for tree protection measures. Details including photographic evidence of works undertaken shall be submitted by the Arborist/Project Arborist to the Principal Certifier,
- viii) any temporary access to, or location of scaffolding within the tree protection zone of a protected tree or any other tree to be retained during the construction works is to be undertaken using the protection measures specified in sections 4.5.3 and 4.5.6 of AS 4970-2009 Protection of trees on development sites,
- ix) the activities listed in section 4.2 of AS 4970-2009 Protection of trees on development sites, shall not occur within the tree protection zone of any tree on the lot or any tree on an adjoining site,
- x) tree pruning from within the site to enable approved works shall not exceed 10% of any tree canopy, and shall be in accordance with AS 4373-2007 Pruning of amenity trees,
- xi) the tree protection measures specified in this clause must: be in place before work commences on the site, be maintained in good condition during the construction period, and remain in place for the duration of the construction works.

c) the Principal Certifier must ensure that:

- i) The arboricultural works listed in a) and b) are undertaken and certified by an Arborist/Project Arborist as compliant to AS 4970-2009 Protection of trees on development sites, and any recommendations of an approved Arboricultural Impact Assessment.

Reason: Tree and vegetation protection.

Condition of Trees

a) during the construction period the applicant is responsible for ensuring all existing trees required to be retained are maintained in a healthy and vigorous condition. This is to be done by ensuring that all identified tree protection measures are adhered to, or by seeking arboricultural advice from an Arborist/Project Arborist with minimum AQF Level 5 in arboriculture during the works. In this regard all protected trees shall not exhibit:

- i) a general decline in health and vigour,
- ii) damaged, crushed or dying roots due to poor pruning techniques,
- iii) more than 10% loss or dieback of roots, branches and foliage,
- iv) mechanical damage or bruising of bark and timber of roots, trunk and branches,
- v) yellowing of foliage or a thinning of the canopy untypical of its species,
- vi) an increase in the amount of deadwood not associated with normal growth,
- vii) an increase in kino or gum exudation,
- viii) inappropriate increases in epicormic growth that may indicate that the plants are in a stressed condition,
- ix) branch drop, torn branches and stripped bark not associated with natural climatic conditions.

b) any mitigating measures and recommendations required by the Arborist/Project Arborist are to be implemented.

c) the owner of the adjoining allotment of land is not liable for the cost of work carried out for the purpose of this clause.

Reason: Protection of trees.

**CONDITIONS WHICH MUST BE COMPLIED WITH PRIOR TO THE ISSUE OF THE
OCCUPATION CERTIFICATE****Landscape Completion**

a) landscape works are to be implemented in accordance with the approved Landscape Plan(s) (drawing DA01 by Volker Klemm Landscape Design), and inclusive of the following conditions:

- i) landscape works are to be contained within the legal property boundaries unless otherwise approved under Minor Encroachments or Section 138 applications,
- ii) planting shall be installed as indicated on the approved Landscape Plan(s) unless otherwise imposed by any conditions,
- iii) all tree planting shall be a minimum pre-ordered planting size of 75 litres or as otherwise scheduled if greater in size; meet the requirements of Natspec - Specifying Trees; planted into a prepared planting hole 1m x 1m x 600mm depth generally, backfilled with a sandy loam mix or approved similar, mulched to 75mm depth minimum and maintained, and watered until established; and shall be located at least 3.0 metres from buildings or more, at least 1 metre from common boundaries; and located either within garden bed or within a prepared bed within lawn,
- iv) mass planting shall be installed at minimum 1 metre intervals (or less) for shrubs of a minimum 200mm container size at planting or as otherwise scheduled if greater in size, and at 4 plants per metre square for groundcovers of a minimum 140mm container size at planting or as otherwise scheduled if greater in size, and shall be in a garden bed prepared with a suitable free draining soil mix and minimum 75mm depth of mulch,
- v) all proposed tree planting shall be positioned in locations to minimise significant impacts on neighbours in terms of blocking winter sunlight to living rooms, private open space and where the proposed location of trees may otherwise be positioned to minimise any significant loss of views from neighbouring and nearby dwellings and from public spaces,
- vi) where the property is certified Bush Fire Prone Land, any new planting may be managed in accordance with Planning for Bushfire Protection 2019.

b) prior to the issue of an Occupation Certificate, details (from a landscape architect, landscape designer or qualified horticulturalist) shall be submitted to the Principal Certifier, certifying that the landscape works have been completed in accordance with any conditions of consent.

Reason: Environmental amenity.

Condition of Retained Vegetation

a) prior to the issue of an Occupation Certificate, a report prepared by an Arborist/Project Arborist with minimum AQF Level 5 in arboriculture shall be submitted to the Principal Certifier, assessing the health and impact on all existing trees required to be retained on the approved Plans or as listed in the Arboricultural Impact Assessment, including the following information:

- i) compliance to any Arborist recommendations for tree protection generally and during excavation works,
- ii) extent of damage sustained by vegetation as a result of the construction works,
- iii) any subsequent remedial works required to ensure the long term retention of the vegetation.

Reason: Tree and vegetation protection.

ON-GOING CONDITIONS THAT MUST BE COMPLIED WITH AT ALL TIMES

Landscape Maintenance

a) if any landscape materials/components or planting under this consent fails, they are to be replaced with similar materials/components.

b) trees, shrubs and groundcovers required to be planted under this consent are to be mulched, watered and fertilised as required at the time of planting.

c) if any tree, shrub or groundcover required to be planted under this consent fails, they are to be replaced with similar species to maintain the landscape theme and be generally in accordance with the approved Landscape Plan(s) and any conditions of consent.

d) the approved landscape planted areas, whether containing lawn, gardens or planters, or other shall in perpetuity remain as planting under the development consent, and shall not be replaced with any hard paved surfaces or structures.

Reason: To maintain local environmental amenity.