

## Landscape Referral Response

<b>Application Number:</b>	DA2020/1591
<b>Date:</b>	04/03/2021
<b>Responsible Officer:</b>	Anne-Marie Young
<b>Land to be developed (Address):</b>	Lot 1 DP 827733 , 316 Hudson Parade CLAREVILLE NSW 2107 Lot 2 DP 827733 , 316 Hudson Parade CLAREVILLE NSW 2107 Lot LIC 559856 , 316 Hudson Parade CLAREVILLE 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 development application is for alterations and additions to an existing dwelling and the construction of a secondary dwelling.

Council's Landscape Referral is assessed against the Pittwater Local Environment Plan clause E4 zone Environmental Living, and the following Pittwater 21 DCP Controls:

- B4.22 Preservation of Trees and Bushland Vegetation
- C1.1 Landscaping
- C11.1 Secondary Dwellings and Rural Workers Dwellings
- D1 Avalon Locality

The site is located in the E4 Environmental Living zone, requiring development to achieve a scale integrated with the landform and landscape, and to minimise impact on the natural environment, including the retention of natural landscape features and existing trees, and including the provision of appropriate landscape area.

The site contains existing native trees and other vegetation within the front setback of Hudson Parade, and a managed landscape setting within the rear setback containing paving, pool and lawn. No Landscape Plan is provided with the application whilst a Arboricultural Impact Assessment is provided with the application.

The proposal requires the removal of two high retention value trees identified as tree numbers 17 and 18, and an additional two trees of low retention value recommended for removal and identified as tree numbers 11 and 14. Four Exempt Species under the DCP and not requiring Council consent are recommended for removal including tree numbers 4, 5, 12 and 13.

Nine existing trees within the property of moderate and high retention value are retained and not impacted by the development as the proposed works remain predominately outside of the tree protection zone of these trees, including tree numbers 6, 8, 9, 10, 15, 17, 18, 19 and 20, and thus the landscape character as required under clause E4 Environmental Living zone, B4.22 and C1.1 are maintained. All existing trees within adjoining property within 5 metres of development are protected and not impacted by development works including tree numbers 1, 2, 3, 7 and 16. Tree root mapping is recommended for tree 1 prior to Construction Certificate to determine the tree sensitive measures required to minimise root impacts.

To protect existing trees in close proximity to the development works, a Project Arborist shall be engaged to attend and monitor works near existing tree numbers 1, 10, 19 and 20 with tree protection measures as recommended by the Arboricultural Impact Assessment report to be implemented.

Should the proposal be approved, Landscape Referral do not raise any objection subject to the protection of existing trees.

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**

#### **Tree Root Investigation**

Prior to the issue of a Construction Certificate a tree root mapping investigation as recommended in the Arboricultural Impact Assessment shall be conducted for the existing tree identified as tree number 1 (Grey Gum). The tree root investigation shall be undertaken along the edge of alignment of excavation works within the site to locate any woody structural roots and provide recommendations for tree sensitive measures to be implemented.

An Arborist with minimum AQF Level 5 in arboriculture shall supervise the works to verify tree root locations. A non-destructive root investigation shall be conducted complying with clause 3.3.4 of AS 4970-2009 Protection of Trees on Development Sites.

The root investigation shall map existing roots of significance that must not be impacted by construction works. The tree root investigation shall be conducted to confirm the following data to be used for the location/alignment of any new proposed works:

- i) confirmation of the location of any tree roots at or >25mm (Ø) diameter to areas that require excavation for proposed works. Alternative alignment of proposed works shall be provided as necessary to avoid major roots, and
- ii) mapping of the suitable location/alignment of proposed works.

The Tree Root Map shall be issued to a qualified Structural Engineer as a basis for structural design, and for determining the final location/alignment and construction methodology of proposed works within the tree protection zone (TPZ).

Prior to the issue of a Construction Certificate, the Arborist shall provide certification to the Certifying Authority that the tree root investigation and arboricultural recommendations have been adequately addressed in the Construction Certificate plans.

Reason: To ensure protection of vegetation proposed for retention or adjacent to the site.

## CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT

### Project Arborist

A Project Arborist, with minimum AQF Level 5 in arboriculture, shall be engaged to provide tree protection measures in accordance with Australian Standard 4970-2009 Protection of Trees on Development Sites. The Project Arborist is to specify and oversee all tree protection measures such as tree protection fencing, trunk and branch protection and ground protection.

The Project Arborist is to supervise all demolition, excavation and construction works near all trees to be retained including construction methods near the existing trees to protect tree roots, trunks, branches and canopy. Where required, manual excavation is to occur ensuring no tree root at or >25mm (Ø) is damaged by works unless approved by the Project Arborist.

Existing ground levels shall be maintained within the tree protection zone of trees to be retained unless authorised by the Project Arborist.

The Project Arborist shall be in attendance and supervise all works as nominated in the Arboricultural Impact Assessment near existing tree numbers 1, 10, 19 and 20, and in particular:

- i) appendix 7 - schedule of works and responsibilities,
- ii) appendix 8 - tree management plan

All tree protection measures specified must:

- a) be in place before work commences on the site, and
- b) be maintained in good condition during the construction period, and
- c) remain in place for the duration of the construction works.

The Project Arborist shall provide certification to the Certifying Authority that all 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:
- i) A separate permit or development consent may be required if the branches or roots of a protected tree on the site or on an adjoining site are required to be pruned or removed.
  - ii) 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.

### Tree Removal Within the Property

This consent approves the removal of the following tree(s) within the property (as recommended in the Arboricultural Impact Assessment):

- i) tree 11 - Grey Gum
- ii) tree 14 - Native Frangipani
- iii) tree 17 - Grey Gum, subject to tree replacement

- ii) tree 18 - Red Bloodwood, subject to tree replacement

Note: Exempt Species as listed in the Development Control Plan or the Arboricultural Impact Assessment do not require Council consent for removal.

Reason: To enable authorised building works.

## 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 and vegetation within the site not approved for removal, excluding exempt trees and vegetation under the relevant planning instruments of legislation,
  - ii) all trees and vegetation located on adjoining properties,
  - iii) all road reserve trees and vegetation.
- b) Tree protection shall be undertaken as follows:
- i) tree protection shall be in accordance with Australian Standard 4970-2009 Protection of Trees on Development Sites including the provision of temporary fencing to protect existing trees within 5 metres of development,
  - ii) existing ground levels shall be maintained within the tree protection zone of trees to be retained unless authorised by an 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 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 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 with minimum AQF Level 5 in arboriculture including advice on root protection measures,
  - vii) should either or all of v), vi) and vii) occur during site establishment and construction works, an 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 to the Certifying Authority,
  - 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 Australian Standard 4970-2009 Protection of Trees on Development Sites,
  - ix) the activities listed in section 4.2 of Australian Standard 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 Australian Standard 4373-2007 Pruning of Amenity Trees,
  - xi) the tree protection measures specified in this clause 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.

- c) Tree protection shall specifically be undertaken in accordance with the recommendations in the Arboricultural Impact Assessment.

The Certifying Authority must ensure that:

- d) The activities listed in section 4.2 of Australian Standard 4970-2009 Protection of Trees on Development Sites do not occur within the tree protection zone of any tree and any temporary access to or location of scaffolding within the tree protection zone of a protected tree or any other tree to be retained on the site during the construction is undertaken using the protection measures specified in sections 4.5.3 and 4.5.6 of that standard.

Note: All street trees within the road verge and trees within private property are protected under Northern Beaches Council development control plans except where Council's written consent for removal has been obtained. The felling, lopping, topping, ringbarking or removal of any tree (s) is prohibited.

Reason: Tree and vegetation protection.

## CONDITIONS WHICH MUST BE COMPLIED WITH PRIOR TO THE ISSUE OF THE OCCUPATION CERTIFICATE

### Required Tree Planting

Trees shall be planted in accordance with the following:

- 1 x Eucalyptus punctata (Grey Gum) at 75 litre container size
- 1 x Corymbia gummifera (Red Bloodwood) at 75 litre container size

Tree planting shall be located within a 9m<sup>2</sup> deep soil area wholly within the site and be located a minimum of 3 metres from existing and proposed buildings and other trees. Tree planting shall be located to minimise significant impacts on neighbours in terms of blocking winter sunlight or where the proposed tree location may impact upon significant views.

Details demonstrating compliance are to be submitted to the Principal Certifying Authority prior to the issue of any Occupation Certificate.

Reason: To maintain environmental amenity.