

Landscape Referral Response

Application Number:	DA2022/2103
Date:	15/06/2023
Proposed Development:	Alterations and additions to a dwelling house
Responsible Officer:	Nick Keeler
Land to be developed (Address):	Lot 1 DP 227483 , 60 Alleyne Avenue NORTH NARRABEEN NSW 2101

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

Council's Landscape Referral is assessed against the Pittwater Local Environment Plan (PLEP) clause C4 zone Environmental Living, and the following Pittwater 21 Development Control Plan (PDCP) controls

(but not limited to):

- B4.22 Preservation of Trees and Bushland Vegetation
- C1.1 Landscaping
- D11 North Narrabeen Locality

An Arboricultural Impact Assessment report is submitted indicating that should the proposed works as illustrated be approved, then two native trees are required to be removed, including tree 53 (Swamp Mahogany) within the property and tree 54 (Sydney Red Gum) within the road reserve. The removal is based upon the proposed construction of a compliant driveway, the location of the proposed garage at nil setback, and the proposed structures within the road reserve, that accumulatively result in impacts to the trees that are unable to be preserved through any tree protection measures. The report includes the recommendation for two replacement native trees.

In proximity to the proposed works, two existing trees are noted in the Arboricultural Impact Assessment report for retention and tree protection measures are recommended and these shall be the subject of imposed conditions. All existing trees and vegetation within adjoining residential lots shall be protected.

The proposal includes landscape works such as planters, green roof over the garage, and the submitted Landscape Plan indicates landscape treatment to areas impacted by new works and includes lawn areas, and an indication of two new trees. However there is no indication of planting on the green roof nor any of the planters and conditions shall be imposed, including structural requirements for the green roof on structure and planting densities.

Should the Assessing Planning Officer recommend approval, Landscape Referral provide 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

On Slab Landscape Works

Details shall be submitted to the Certifier prior to the issue of the Construction Certificate indicating the proposed method of waterproofing and drainage to all green roof structures/planters over slab, upon which soil and planting is being provided. Landscape treatment details shall be submitted to the Certifier prior to the issue of the Construction Certificate indicating the proposed soil type, planting, automatic irrigation, and services connections. The following soil depths are required to support landscaping: 300mm for groundcovers, perennials, native grasses; 600mm for shrubs; and 1m for small trees.

Design certification shall be submitted to the Certifier by a qualified Structural Engineer, that the planters are designed structurally to support the 'wet' weight of landscaping (soil, materials and established planting).

Reason: To ensure appropriate soil depth for planting and ensure waterproofing and drainage is installed.

CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT

Project Arborist

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 AS4970-2009 Protection of trees on development sites, and any recommendations of an approved Arboricultural Impact Assessment.

The Project Arborist shall be in attendance and supervise all works as nominated in the Arboricultural Impact Assessment, and in particular:

- a) works as referenced under section 8.2.2, 10.3.1, 10.3.2, 10.3.3,
- b) works as referenced under section 11,
- c) tree protection works under 16.1 Tree Protection 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 Certifier that all tree protection measures under AS4970-2009 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.

Tree Removal Within the Property

This consent approves the removal of existing trees on the subject site as identified in the Arboricultural Impact Assessment, approved Plans, or as listed below:

- a) tree 53 subject to replacement,
- b) a qualified AQF level 5 Arborist shall identify these trees on site and tag or mark prior to removal.

Reason: To enable authorised development works.

Tree Removal Within the Road Reserve

This consent approves the removal of existing trees within the road reserve as identified in the Arboricultural Impact Assessment, or as listed below:

- a) tree 54 subject to replacement,
- b) a qualified AQF level 5 Arborist shall identify these trees on site and tag or mark prior to removal.

Removal of the approved tree/s in the road reserve shall only be undertaken by a Council approved tree contractor. Details of currently approved tree contractors can be obtained from Northern Beaches Council's Trees Services business unit prior to removal.

Reason: Public liability.

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Protection of Rock and Sites of Significance

All rock outcrops outside of the area of approved works are to be preserved and protected at all times during demolition excavation and construction works.

Should any Aboriginal Cultural Heritage items be uncovered during earthworks, works should cease in the area and the Aboriginal Heritage Office contacted to assess the finds. Under Section 89a of the NPW Act should the objects be found to be Aboriginal, NSW Biodiversity and Conservation Division, Heritage NSW and the Metropolitan Local Aboriginal Land Council (MLALC) should be contacted.

Reason: Preservation of significant environmental features.

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, except tree 54 approved for removal.

b) Tree protection shall be undertaken as follows:

- i) tree protection shall be in accordance with AS4970-2009 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 AS4970-2009 Protection of trees on development sites,
ix) the activities listed in section 4.2 of AS4970-2009 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 AS4373-2007 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.

The Principal Certifier must ensure that:

c) The arboricultural works listed in a) and b) are undertaken and certified by an Arborist/Project Arborist as complaint to AS4970-2009 Protection of trees on development sites, and any recommendations of an approved Arboricultural Impact Assessment.

Reason: Tree and vegetation protection.

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

Required Tree Planting

a) one (1) locally native tree shall be planted within the front setback of the property to achieve at least 8.5 metres height at maturity, and in accordance with the following:
i) tree planting shall be a minimum pre-ordered planting size of 75 litres; generally selected from Northern Beaches Council's Native Plant Species Guide - Narrabeen Ward, or Council's Tree Guide; meet the requirements of Natspec - Specifying Trees; planted into a prepared planting hole 1m x 1m x 600mm depth, 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 1.5 metres from common boundaries; and located either within garden bed or within a prepared bed within lawn,
ii) the following trees are suggested as a guide: *Angophora costata*, *Waterhousia floribunda*, or *Banksia integrifolia*,
iii) 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.
b) Details demonstrating compliance are to be submitted to the Principal Certifier prior to the issue of any Occupation Certificate.

Reason: To maintain environmental amenity.

Street Tree Planting

Replacement street tree planting shall be installed in accordance with the following: one (1) *Angophora costata*.

All street trees shall be a minimum pre-ordered planting size of 75 litres, and shall meet the requirements of Natspec - Specifying Trees. All street trees shall be planted into a prepared planting hole 1m x 1m x 600mm depth (adjusted for any rock outcrops), backfilled with a sandy loam mix or approved similar, mulched to 75mm depth minimum and maintained, including a four post and top and mid rail timber tree guard, and watered until established, and shall generally be centralised within the road reserve verge.

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

Reason: To maintain environmental and streetscape amenity.

Landscape Completion

Landscape works are to be implemented in accordance with the approved Landscape Plan(s) (insert details), and inclusive of the following conditions:

- a) landscape works are to be contained within the legal property boundaries only,
- b) mass planting to the green roof and to other planters shall be installed at minimum 1metre intervals 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, perennials, native grasses of a minimum 140mm container size at planting or as otherwise scheduled if greater in size, and shall be in a planter bed prepared with a suitable free draining soil mix and minimum 75mm depth of mulch.

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

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:

- a) compliance to any Arborist recommendations for tree protection generally and during excavation works,
- b) extent of damage sustained by vegetation as a result of the construction works,
- c) 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

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

A maintenance activity schedule for on-going maintenance of planters on slab shall be incorporated to monitor and replenish soil levels as a result of soil shrinkage over time.

The approved landscape planted areas consisting of lawn, planting at grade, and planting on structure 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.