

Landscape Referral Response

Application Number:	DA2022/1410
Date:	04/01/2023
Proposed Development:	Demolition works and construction of a dwelling house including swimming pool
Responsible Officer:	Nick Keeler
Land to be developed (Address):	Lot 3 DP 327163 , 41 Wyuna Avenue FRESHWATER NSW 2096

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

Additional Information Comment 4/01/2023

Additional information including amended Architectural Plans, amended Stormwater Plans and an Arborist's Report are noted.

The amendments have reduced potential impacts on the street trees. The Arborist's Report recommends supervision during works by a Project Arborist, which is concurred with.

Specific tree protection conditions for before, during and after works have been included to provide for a high level of protection for the trees.

No objections are raised with regard to landscape issues subject to conditions as recommended.

Original Comment

The application seeks consent for demolition works and construction of a dwelling house including swimming pool.

The plans indicate that a new driveway crossover is proposed in Wyuna Avenue, adjacent to two street trees. One tree is located in the verge and the other in the roadway.

The street trees in Wyuna Avenue are listed heritage items under WLEP 2011. No Arborist's report was sighted with the application.

In order to establish potential impacts and subsequent mitigation of impacts on the trees that the works may have, an Arboricultural Impact Assessment prepared by a qualified Consultant Arborist (minimum qualification AQF Level 5) is required to be provided. The Arborist's report should also address trees on and adjacent to the site affected by the proposed works.

The proposal is unable to be supported with regard to landscape issues due to lack of sufficient information to make an assessment.

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

Heritage Listed Trees

a) The site is adjacent to Heritage Listed Trees as identified in the Warringah Local Environmental Plan. Heritage Listed Trees are to be protected from damage during construction.

b) The following Heritage Listed Trees are located within the immediate vicinity of the approved works:

2 x

Lophostemon

conferta, forward of the property in Wyuna Ave. (Note: All Street trees in Wyuna Ave are Heritage Listed).

c) A Tree Protection Plan for the 2 x Heritage Listed Trees forward of the property shall be prepared by an Arborist with minimum AQF Level 5 in arboriculture incorporating the following:

- i) layout of the development, including existing and proposed underground services,
- ii) location of all trees identified for retention, including extent of canopy,
- iii) access routes throughout the site for construction activity,
- iv) location of tree protection fencing / barriers,
- v) root protection in the form of mulching or boards proposed within the tree protection zone,
- vi) trunk and branch protection within the tree protection zone,
- vii) location of stockpile areas and materials storage,
- viii) inspection hold points,
- ix) tree protection measures in accordance with the recommendations of the Arboricultural Impact Assessment dated 16-11-22 prepared by Tree Management Strategies and AS4970-Protection of Trees on Development Sites.
- x) annotated photographs of the trees' trunks, branches and any exposed roots

c) The Tree Protection Plan for the 2 x Heritage Listed Trees forward of the property shall be provided to the Principal Certifier prior to the issue of the Construction Certificate.

Reason: protection of significant community assets.

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 to provide tree protection measures in accordance with the approved Tree Protection Plan and 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.

b) 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.

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

d) The Project Arborist shall be in attendance and supervise all works as nominated in the approved Tree Protection Plan.

e) 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.

f) The Project Arborist shall provide certification to the Principal Certifier that all recommendations listed for the protection of the existing trees have been carried out satisfactorily to ensure no impact to the health of the trees. 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.

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Protection of Existing Street Trees

a) All existing street trees in the vicinity of the works shall be retained during all construction stages and the street trees fronting the development site shall be protected by tree protection fencing in accordance with Australian Standard 4687-2007 Temporary Fencing and Hoardings and in accordance with Section 4 of Australian Standard 4970-2009 Protection of Trees on Development Sites.

b) As a minimum, the tree protection fencing for street tree(s) fronting the development site shall consist of standard 2.4m panel length to four sides unless otherwise directed by the Project Arborist.

c) All fencing shall be located to allow for unrestricted and safe pedestrian access upon the road verge.

d) Should any problems arise with regard to the existing or proposed trees on public land during construction, Council's Tree Services section is to be contacted immediately to resolve the matter to Council's satisfaction and at the cost of the applicant.

Reason: Tree protection.

Tree and Vegetation Protection

- a) Existing trees and vegetation shall be retained and protected including:
 - i) all trees and vegetation within the site not indicated for removal/transplanting, 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 the approved Tree Protection Plan and 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 the Project Arborist,
 - iii) removal of existing tree roots at or >25mm (Ø) diameter is not permitted without consultation with the Project Arborist,
 - 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 the Project Arborist on site,
 - vi) excavation for stormwater lines and all other utility services is not permitted within the tree protection zone without consultation with the Project Arborist including advice on root protection measures,
 - vii) should either or all of v), vi) and vii) occur during site establishment and construction works, the Project Arborist shall provide recommendations for tree protection measures. Details including photographic evidence of works undertaken shall be submitted by the 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 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.

The Principal Certifier must ensure that:

- c) 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.

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 the Project Arborist during the works.

b) 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.

c) Any mitigating measures and recommendations required by the Project Arborist are to be implemented.

d) 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) Landscaping is to be implemented in accordance with the approved Landscape Plan.

b) Prior to the issue of any Occupation Certificate details (from a qualified horticulturalist, landscape architect or landscape designer) 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 - Project Arborist

Prior to the issue of an Occupation Certificate a report prepared by the Project Arborist shall be submitted to the Principal Certifier assessing the health and impact on all existing trees required to be retained 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 protection.