

Landscape Referral Response

Application Number:	DA2023/0008
Date:	20/01/2023
Proposed Development:	Construction of a secondary dwelling
Responsible Officer:	Grace Facer
Land to be developed (Address):	Lot 2 DP 200907 , 27 Philip Road MONA VALE NSW 2103

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 application seeks consent for construction of a secondary dwelling.

The Arborist's Report prepared by Arbortech Tree and Garden Care is noted.

The Report indicates that 3 exempt tree species (Palm Trees) are to be removed to accommodate the proposed works. No objections are raised to removal of the trees.

The Report concludes that the proposed works will result in an acceptable level of impact on 2 x *Corymbia maculata* (Spotted Gums) located adjacent to the proposed secondary dwelling.

The structure is proposed to be located on pier footings to avoid significant impacts, which is supported.

It is noted that the Stormwater Plans indicate location of new pipes within the Structural Root Zone of the trees. Excavation in these areas is not supported.

Conditions have been included requiring sign-off by a qualified Arborist on the footings and drainage plans to ensure that works are able to be carried out to an acceptable level of impact on the trees, and flag that this may mean that pipes be located over existing levels to achieve such.

Subject to conditions as recommended , no objections are raised with regard to landscape issues.

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

Pier Footing Design Near Trees to be Retained

- a) Pier footing structural layout plans for the external works including the secondary dwelling, services and stormwater pipes shall be developed in coordination with an Arborist with AQF minimum Level 5 qualifications in arboriculture and a qualified Structural and Hydraulic Engineer.
- b) The Arborist shall review, comment, recommend design revision as required and approve the pier footing and pipe location layout to ensure the locations of piers and pipes will be manageable in terms of tree protection measures. Pipes may need to be laid above ground to protect tree roots.
- c) The Arborist shall submit certification to the Certifier that the locations of the pier footings and pipes are accepted via the agreed pier footing structural layout plans and stormwater plans prior to the issue of a Construction Certificate.

Reason: Tree protection.

Tree Protection Plan

- a) A Tree Protection Plan shall be submitted to the Certifier for approval prior to the issue of a Construction Certificate demonstrating tree protection measures to protect the following trees as identified in the Arboricultural Impact Assessment dated December 2022 prepared by Arbortech Tree and Garden Care:
- Tree 1 *Phoenix canariensis*
 - Tree 5 *Corymbia maculata*
 - Tree 6 *Corymbia maculata*
- b) The Tree Protection Plan 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 stormwater and 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) other general tree protection measures.
- c) Tree protection methods are to be in accordance with the Arboricultural Impact Assessment dated December 2022 prepared by Arbortech Tree and Garden Care and AS4970-2009 Protection of Trees on Development Sites.

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 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 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.

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK**Protection of Landscape Features and Sites of Significance**

- a) All natural landscape features including natural rock outcrops, natural vegetation, soil and watercourses are to remain undisturbed during demolition, excavation and construction works except where affected by works detailed on approved plans.
- b) 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.
- c) 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 and vegetation within the site not indicated for removal on the approved plans,
 - 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.
- c) Tree protection shall specifically be undertaken in accordance with the recommendations in the approved Tree Protection Plan
- d) The Principal Certifier must ensure that:

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 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

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.