

## Landscape Referral Response

<b>Application Number:</b>	DA2022/1490
<b>Date:</b>	05/06/2023
<b>Proposed Development:</b>	Demolition of the residential component of the existing building and part demolition of the existing retail premises, construction of a new residential dwelling, swimming pool and secondary dwelling along with shop office premises
<b>Responsible Officer:</b>	Alex Keller
<b>Land to be developed (Address):</b>	Lot 21B DP 395978 , 28 Bangaroo Street NORTH BALGOWLAH NSW 2093

### 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 is submitted addressing previous concerns raised by Landscape Referral, including the impact of proposed works upon the existing street trees and information regarding proposed landscape over the OSD structure.

The submitted Landscape Plans are noted and generally Landscape Referral have no concerns, except for the proposed retaining walling along the southern boundary near the existing Paperbark street tree as shown in the Landscape Hardscape Plan, and it is noted that the retaining walling in proximity to the existing street tree has been removed in subsequent updated Site Plans, and the Landscape Plans shall be updated to reflect such changes. Conditions shall be imposed on the minimum soil depth required over the proposed OSD tank to support landscape planting. All other landscape proposals including hard and soft landscape as documented are able to satisfy the landscape objectives of Warringah Development Control Plan clause D1 Landscaped Open Space and Bushland Setting.

A Arboricultural Impact Assessment report is submitted and conditions shall be imposed to ensure the recommendations of the report for appointment of a project arborist to supervise all excavations near the existing street trees, located within St Pauls Road road reserve, and for adequate tree protection measures, are adhered to.

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**

### **Amended Landscape Plan**

Amended Landscape Plans shall be issued to the Principal Certifier prior to the issue of a Construction Certificate to include the following additional details:

- a) co-ordination with Architectural Site Plans and other approved Plans,
- b) minimum 300mm soil depth over the OSD tank, excluding waterproofing and drainage depths,
- c) all nominated boundary (north, south and west) screening planting shall be nominated and installed at minimum 900mm intervals, of a minimum 200mm container size at planting or as otherwise scheduled if greater in size.

Certification shall be submitted to the Principal Certifier that these amendments have been documented.

Reason: Landscape amenity.

### **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 planters over slab, over 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.

At least a minimum 300mm of soil is required over the OSD tank, and all other planting on structure shall be in accordance with the Landscape Plan sectional detail 10 - Concrete Block Planter Wall on Slab Detail. 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 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) supervision of all excavation works in the tree protection zone vicinity of existing Paperbark street trees identified in the Arboricultural Impact Assessment report as tree 1 and tree 2, as per section 2 and 3 of the report,
- b) inspection and approval of the tree protection fencing identified in the Arboricultural Impact Assessment report in section 3 of the report,
- c) regular monitoring and certification of tree protection measures as identified identified in the Arboricultural Impact Assessment report in section 3 (step 4 and step 6),
- d) any other requirements as imposed by conditions under Tree and Vegetation Protection.

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.

## **CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK**

### **Protection of Existing Street Trees**

All existing street trees in the vicinity of the works shall be retained during all construction stages, and the street tree(s) fronting the development site shall be protected by tree protection fencing in accordance with Section 4 of AS4970-2009 Protection of trees on development sites and the recommendations of the Arboricultural Impact Assessment report. 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 and in accordance with Australian Standard 4687-2007 Temporary Fencing and Hoardings, unless otherwise directed by an Arborist with minimum AQF Level 5 in arboriculture. All fencing shall be located to allow for unrestricted and safe pedestrian access upon the road verge.

All street trees within the road verge 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. No excavated material, building material storage, site facilities, nor landscape materials are to be placed within the canopy dripline of street trees.

Reason: Street tree protection.

### **Tree and Vegetation Protection**

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

- i) all trees and vegetation located on adjoining properties,
- ii) all trees and vegetation within the road reserve.

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 compliant 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**

### **Landscape Completion**

Landscape works are to be implemented in accordance with the approved Amended Landscape Plans, and inclusive of the following conditions:

- a) landscape works are to be contained within the legal property boundaries,
- b) all tree planting shall be a minimum pre-ordered planting size of 75 litres; 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 1.5 metres from common residential lot boundaries; and located either within garden bed or within a prepared bed within lawn,
- c) where swimming pools are part of the development works, selected planting shall comply with the planting and care requirements of AS1926.1 for a non-climbable zone.

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, 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.