

Landscape Referral Response

Application Number:	DA2021/2457
Date:	04/02/2022
Responsible Officer:	Anne-Marie Young
Land to be developed (Address):	Lot 1 DP 1145029 , 33 Myoora Road TERREY HILLS NSW 2084

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 the construction of a Science Centre and extension to the existing Administration Building. The proposed development includes: removal of 17 trees located on site; site excavation; and associated landscape works. A Landscape Plan and a Arboricultural Impact Assessment accompany the application and are assessed as part of this Landscape Referral.

The application is assessed by Landscape Referral against Warringah Local Environmental Plan 2011 RU4 land use zone, and the following Warringah Development Control Plan 2011 controls (but not limited to):

- D1 Landscaped Open Space and Bushland Setting
- E1 Preservation of Trees or Bushland Vegetation and E2 Prescribed Vegetation
- E6 Retaining unique environmental features

The landscape outcome objectives of Zone RU4 Primary Production Small Lots, include (but not limited to): minimise the impact of development on long distance views of the area and on views to and from adjacent national parks and bushland; maintain and enhance the natural landscape including landform and vegetation; and maintain the rural and scenic character of the land.

The Arboricultural Impact Assessment identifies that should the proposal as documented be granted approval, seventeen (17) trees are impacted and shall be removed within the works area, and four (4) trees shall be retained. Seven (7) of the trees required for removal are high retention value trees and approval for such removal is subject to tree replacement should the application be approved. All remaining trees on site not in the vicinity of the proposed work will be retained and protected.

The Landscape proposal incorporates a variety of landscape treatments to the area of the development works, including tree and mass planting to the front 20 metre setback zone of the property to soften the built form. The Landscape Plans provide landscape outcomes for the benefit of the school community including: outdoor useable spaces and terraces for learning, comfort and recreation, access connections and comfort provisions, and provide a landscape planting scheme incorporating 40 replacement indigenous trees and other understorey mass planting, and a roof garden.

Landscape Referral raise no concerns, subject to the protection of existing trees and vegetation not impacted by the development works, and the completion of the landscape works.

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

Detailed Landscape Plans

Detailed Landscape Plan suitable for construction shall be issued to the Certifying Authority prior to the issue of a Construction Certificate to include the following details:

i) roof garden construction type and design including the proposed method of waterproofing and drainage to the green roof over slab, the control measures for soil and mulch movement over a sloping roof, proposed soil type, planting, automatic irrigation, services connections, and maintenance activity schedule,

Note: Design certification shall be submitted to the Certifying Authority by a qualified Structural Engineer, that the roof slab is designed structurally to support the 'wet' weight of the green roof (soil, materials and established planting),

ii) detailed landscape layout and design for hard and soft landscape elements including walling, surface finishes, furniture, and planting design, including a schedule of quantities,

iii) the Detailed Landscape Plans shall be appropriately based upon the submitted Landscape Plans prepared by Christina Silk Landscape Architects, including selected landscape design layout, materials and schedules.

Details shall be submitted to the Certifying Authority prior to the issue of the Construction Certificate

Reason: Landscape amenity.

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, and the recommendations of the Arboricultural Impact Assessment.

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

i) section 9 Recommendations

ii) section 10 Arboricultural Work Method Statement and Tree Protection Requirements

iii) section 11 Hold Points

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 2 - *Banksia integrifolia*, tree 3 - *Casuarina glauca*, tree 4 - *Alnus jorullensis*, trees 5, 6, 8, 16, 17, 18, 19, 20 and 21 - *Waterhousia floribunda*, trees 7 and 9 - *Eucalyptus racemosa*, tree 10 - *Acacia* sp., tree 11 - *Syzygium smithii*, and tree 15 - *Ulmus parvifolia*.
- ii) a qualified AQF level 5 Arborist shall identify these trees on site and tag or mark prior to removal.

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 development 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,
- iv) any exempt species tree(s) to be removed as referred above in item i) shall be replaced at a ratio of 1:1 with a locally native tree species,

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) or vi) 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 arboricultural works listed in c) are undertaken and certified by an Arborist as compliant to the recommendations of the Arboricultural Impact Assessment.

e) 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

Landscape Completion

Landscaping is to be implemented in accordance with the approved Detailed Landscape Plans.

Prior to the issue of any Occupation Certificate details (from a landscape architect or landscape designer) shall be submitted to the Principal Certifying Authority certifying that the landscape works have been completed in accordance with any conditions of consent.

Reason: Environmental amenity.

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 and any conditions of consent.

All weeds are to be removed and controlled in accordance with the NSW Biosecurity Act 2015.

Reason: To maintain local environmental amenity.