

Traffic Engineer Referral Response

Application Number:	DA2020/0579
Date:	04/09/2020
Responsible Officer	
Land to be developed (Address):	Lot 29 DP 5464 , 27 Warriewood Road WARRIEWOOD NSW 2102 Lot 28 DP 5464 , 25 Warriewood Road WARRIEWOOD NSW 2102

Officer comments

The proposed residential development contains:

- o 11 residential townhouses (including 3 adaptable units).
- o 32 residential units (including 8 adaptable units):
 - 4 x one bedroom units
 - 22 x two bedrooms units
 - 6 x three bedrooms units
 - One basement level car park.

The proposed basement car park has a total of 60 car parking spaces (including 8 adaptable spaces) and 1 car wash bay.

11 visitor parking spaces (including one accessible space) will be provided on the proposed laneway adjacent to the residential flat building.

16 bicycle parking spaces are proposed in addition to the car parking spaces.

Each townhouse will be allocated with three car spaces within a garage as part of each lot.

Traffic:

In comparison to the previously approved layout, the proposed layout in fact reduces the amount of development and hence reduces the expected traffic generation of the site.

Therefore no objections are raised.

Parking:

Parking provisions are compliant with the applicable DCP.

Therefore no objections are raised.

Car Park and Access:

The proposed lane way, along the rear of the townhouses introduces an approach angle that is not deemed inefficient and may pose a safety concern.

Serviceability:

No concerns are raised.

Pedestrians:

No concerns are raised.

Recommendation:

Council raises no objection subject to conditions.

The proposal is therefore supported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

Recommended Traffic Engineer Conditions:

DEFERRED COMMENCEMENT CONDITIONS

Laneway Dimensions

The laneway shall be designed with a 6.0m clear width from Lorikeet Grove to at least the first town house.

Design plans and vehicular swept paths demonstrating two (2) B99 class vehicles passing one another through the 'bend' are to be submitted to and approved by Council's Traffic Team prior to the consent becoming active.

Reason: To ensure access is efficient and safety risks are minimized (DACTRADC1)

CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF THE CONSTRUCTION CERTIFICATE

Compliance with Standards

The development is required to be carried out in accordance with all relevant Australian Standards.

(Note: At the time of determination the following (but not limited to) Australian Standards applied:

- (a) AS2601.2001 - Demolition of Structures**
- (b) AS4361.2 - Guide to lead paint management - Residential and commercial buildings**
- (c) AS4282:1997 Control of the Obtrusive Effects of Outdoor Lighting**
- (d) AS 4373 - 2007 'Pruning of amenity trees' (Note: if approval is granted) **
- (e) AS 4970 - 2009 'Protection of trees on development sites'***
- (f) AS/NZS 2890.1:2004 Parking facilities - Off-street car parking**
- (g) AS 2890.2 - 2002 Parking facilities - Off-street commercial vehicle facilities**
- (h) AS 2890.3 - 1993 Parking facilities - Bicycle parking facilities**
- (i) AS 2890.5 - 1993 Parking facilities - On-street parking**
- (j) AS/NZS 2890.6 - 2009 Parking facilities - Off-street parking for people with disabilities**
- (k) AS 1742 Set - 2010 Manual of uniform traffic control devices Set**
- (l) AS 1428.1 – 2009* Design for access and mobility - General requirements for access – New building work**
- (m) AS 1428.2 – 1992*, Design for access and mobility - Enhanced and additional requirements - Buildings and facilities**

*Note: The Australian Human Rights Commission provides useful information and a guide relating to building accessibility entitled "the good the bad and the ugly: Design and construction for access". This

information is available on the Australian Human Rights Commission website
[www.hreoc.gov.au/disability rights /buildings/good.htm](http://www.hreoc.gov.au/disability%20rights%20/buildings/good.htm). <www.hreoc.gov.au/disability%20rights%20/buildings/good.htm.>

****Note:** the listed Australian Standards is not exhaustive and it is the responsibility of the applicant and the Certifying Authority to ensure compliance with this condition and that the relevant Australian Standards are adhered to.)

Details demonstrating compliance with the relevant Australian Standard are to be submitted to the Certifying Authority prior to the issue of the Construction Certificate.

Reason: To ensure the development is constructed in accordance with appropriate standards.
(DACPLC02)

Construction Traffic Management Plan.

As a result of the site constraints, limited vehicle access and parking, a Construction Traffic Management Plan (CTMP) and report shall be prepared by an RMS accredited person and submitted to and approved by the Northern Beaches Council Traffic Team prior to issue of any Construction Certificate.

The CTMP must address following:-

- The proposed phases of construction works on the site, and the expected duration of each construction phase;
- The proposed order in which works on the site will be undertaken, and the method statements on how various stages of construction will be undertaken;
- Make provision for all construction materials to be stored on site, at all times;
- The proposed areas within the site to be used for the storage of excavated materials, construction materials and waste containers during the construction period;
- The proposed method of access to and egress from the site for construction vehicles, including access routes and truck routes through the Council area and the location and type of temporary vehicular crossing for the purpose of minimising traffic congestion and noise in the area, with no access across public parks or reserves being allowed;
- The proposed method of loading and unloading excavation and construction machinery, excavation and building materials, formwork and the erection of any part of the structure within the site. Wherever possible mobile cranes should be located wholly within the site;
- Make provision for parking onsite. All Staff and Contractors are to use the basement parking once available.
- Temporary truck standing/ queuing locations in a public roadway/ domain in the vicinity of the site are not permitted unless approved by Council prior.
- Include a Traffic Control Plan prepared by a person with suitable RMS accreditation for any activities involving the management of vehicle and pedestrian traffic.
- The proposed manner in which adjoining property owners will be kept advised of the timeframes for completion of each phase of development/construction process. It must also specify that a minimum Fourteen (14) days notification must be provided to adjoining property owners prior to the implementation of any temporary traffic control measure.
- Include a site plan showing the location of any site sheds, location of requested Work Zones, anticipated use of cranes and concrete pumps, structures proposed on the footpath areas (hoardings, scaffolding or shoring) and any tree protection zones around Council street trees.
- Take into consideration the combined construction activities of other development in the surrounding area. To this end, the consultant preparing the CTMP must engage and consult with developers undertaking major development works within a 250m radius of the subject site to ensure that appropriate measures are in place to prevent the combined impact of construction activities, such as (but not limited to) concrete pours, crane lifts and dump truck routes. These communications must be

documented and submitted to Council prior to work commencing on site.

- The proposed method/device to remove loose material from all vehicles and/or machinery before entering the road reserve, any run-off from the washing down of vehicles shall be directed to the sediment control system within the site;
- Specify that the roadway (including footpath) must be kept in a serviceable condition for the duration of construction. At the direction of Council, undertake remedial treatments such as patching at no cost to Council.
- The proposed method of support to any excavation adjacent to adjoining properties, or the road reserve. The proposed method of support is to be designed and certified by an appropriately qualified and practising Structural Engineer, or equivalent;
- Proposed protection for Council and adjoining properties;
- The location and operation of any on site crane; and

The CTMP shall be prepared in accordance with relevant sections of Australian Standard 1742 – “Manual of Uniform Traffic Control Devices”, RMS’ Manual – “Traffic Control at Work Sites”.

All fees and charges associated with the review of this plan is to be in accordance with Council’s Schedule of Fees and Charges and are to be paid at the time that the Construction Traffic Management Plan is submitted.

Reason: To ensure public safety and minimise any impacts to the adjoining pedestrian and vehicular traffic systems. Confirming appropriate measures have been considered for site access, storage and the operation of the site during all phases of the construction process in a manner that respects adjoining owner’s property rights and protects amenity in the locality, without unreasonable inconvenience to the community. The CTMP is intended to minimise impact of construction activities on the surrounding community, in terms of vehicle traffic (including traffic flow and parking) and pedestrian amenity adjacent to the site.

(DACTRCPC1)

CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT

Permit Applications

All necessary permits shall be submitted to and approved by Council prior to associated works commencing. These works include, but are not limited to:

- Concrete Pours
- Traffic Control
- Stand Plant (equipment or vehicles on Council property)
- Work Zones
- Crane over airspace
- Building Waste Container (Skip Bin)

Reason: To ensure necessary permissions have been obtained to undertake works (DACTRDPC1)