

## Traffic Engineer Referral Response

Application Number:	DA2019/0730
Responsible Officer	
Land to be developed (Address):	Lot 4 DP 345419 , 71 A Queenscliff Road QUEENSCLIFF NSW 2096 Lot 41 DP 300057 , 71 Queenscliff Road QUEENSCLIFF NSW 2096

### Officer comments

The proposed development is for demolition of the existing dwellings and construction of a four storey residential flat building comprising 15 units and basement car parking accommodating 31 parking spaces and car wash bay and 16 bicycle parking spaces.

#### Traffic impact:

In accordance to the RMS guide to traffic generating developments, the proposed development is expected to generate about 9 vehicle trips per hour during weekday peak hour, which considered to have minimal impact on the road network.

#### Parking Provision:

The proposal requires the provision of 23 car spaces including 3 visitor spaces. The proposal includes an on-site parking provision of 32 car spaces including 3 visitor parking spaces and a car wash bay. The proposed parking provision is in compliance with the requirement recommended within the DCP and acceptable.

#### Car park design:

Reviewing the plans and the traffic report, the design of the proposed driveway and car park is in compliance with Australian Standards. The proposal includes the provision of a 6m wide passing bay within the first 6m of the driveway which is satisfactory.

The width of the internal ramps within the basement car park allows for one-way flow with restricted intervisibility between vehicles exiting the ramps and vehicles approaching the ramps. To prevent conflicting vehicle flows on the internal ramps and avoid vehicles having to reverse up/ down the ramp, traffic signal system or convex mirrors must be installed at each ramp entry.

#### Conclusion:

In review of the foregoing, no objection is raised on the proposal subject to conditions.

### Referral Body Recommendation

### Refusal comments

## Recommended Traffic Engineer Conditions:

### 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/buildings/good.htm). <[www.hreoc.gov.au/disability%20rights%20/buildings/good.htm](http://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)

#### Condition for prior to construction certificate - Installation of traffic signal or convex mirror at each ramp entry

The width of the internal ramps within the basement car park allows for one-way flow with restricted inter-visibility between vehicles exiting the ramps and vehicles approaching the ramps. To prevent conflicting vehicle flows on the internal ramps and avoid vehicles having to reverse up/ down the ramp, traffic signal system or convex mirrors must be installed at each ramp entry.

Reason: To prevent vehicular conflict within car park (DACTRCPC1)

**Condition for prior to construction certificate - Compliance with Australian Standards**

The driveway/access ramp grades, access and car parking facilities must comply with the Australian/New Zealand Standard AS/NZS 2890.1:2004 - Parking facilities - Off-street car parking. The dimensions of car parking bays and aisle widths in the car park are to comply with Australian/New Zealand Standard for Off-Street Parking AS/NZS 2890.1-2004. Detail demonstrating compliance with this condition are to be submitted to the Accredited Certifier prior to the issue of a construction certificate.

Reason: To ensure compliance with Australian Standards relating to manoeuvring, access and parking of vehicles. (DACTRCPC2)

**CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT****Condition for prior to commencement - Construction Traffic Management Plan**

A Construction Traffic Management Plan (CTMP) and report shall be prepared by an RMS accredited person and submitted to and approved by the Certifying Authority 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. (DACTRDPC1)