

Traffic Engineer Referral Response

Application Number:	DA2019/1274
Date:	24/04/2020
Responsible Officer	
Land to be developed (Address):	Lot 1 DP 1215531 , 70 South Creek Road DEE WHY NSW 2099

Officer comments

The application primarily resolves the on-site student pickup and drop off and increased on-site staff and visitor parking all accessed from South Creek Road. New bus parking and service vehicles facilities are proposed on the north of the site with access from Westmoreland Avenue. It is anticipated that these works will facilitate the increase of the student numbers over time, from 887 (currently) to 1091 by 2030.

Traffic:

The additional traffic anticipated to be generated from the site is deemed manageable and will require some additional works in both South Creek Road and Westmoreland Avenue to reduce the impacts on the local road network. This has been conditioned as part of the the approval and will require the applicant to complete this work under a section 138 approval.

No objections are raised in this regard.

Parking:

The parking numbers are deemed compliant, and will improve the operation of the site. Council may impose future restriction on parking within the public road, and as such nothing in this consent or assessment is to prevent Council exercising its Authority under the Road Transport Regulation.

Servicing:

On site servicing and waste collection is proposed for this development. All service vehicles will be required to enter and leave the site in a forward direction.

No objection is raised in this regard.

Conclusion:

Based on the amended information provided, the application is supported in its current form, subject to the conditions provided.

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

Traffic Facilities Plans - Local road impact mitigation

Deferred commencement condition for the applicant to provide additional road/traffic facilities and detailed engineering plans prior to the activation of the consent to address:

1. Impacts on the free flow of through traffic on South Creek Road. The applicant is to provide a median island to restrict right turn movements into and out of the car parks that are accessible from South Creek Road to provide an engineering control to enhance the left in left out operation of this access.
2. Impacts on through traffic in Westmoreland Avenue the applicant is required to provide an inlaid bus bay along the road carriageway to allow for parking on the northern kerb of Westmoreland Avenue, two (2) 3.0 metre wide traffic lanes, and a bus bay to facilitate school services provided by STA and other operators.
3. the relocation of the existing pedestrian crossing in South Creek Road adjoining the proposed staff car park and relocated bus zone.

Reason: To reduce the impact of the development on the local road network and amenity of the adjoining residents.(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 on site 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.
- Due to the proximity of the site adjacent to the entry points to the School, no heavy vehicle movements or construction activities effecting vehicle and pedestrian traffic are permitted in school zone hours (8:00am-9:30am and 2:30pm-4:00pm weekdays).
- 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 500m 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)

Waste and Service Vehicle Access

Access to the on-site loading bay area including ramp grades, transitions and height clearance shall be designed to comply with forward in and forward out access of an 8.8m Medium Rigid Vehicle (MRV), as a minimum requirement. The height clearance required is 4.5m. Plans showing the ramp grades, transitions and height clearance and swept path diagrams of 8.8m MRV shall be submitted to and approved by the accredited certifier prior to the issue of the Construction Certificate. Swept path diagrams must include details of the road including, kerb line, line marking, signs, traffic devices, power poles, other structures and neighbouring driveways.

Reason: To ensure adequate is room available for servicing the site(DACTRCPC2)

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Implementation of Construction Traffic Management Plan

All works and construction activities are to be undertaken in accordance with the approved Construction Traffic Management Plan (CTMP). All controls in the CTMP must be maintained at all times and all traffic management control must be undertaken by personnel having appropriate RMS accreditation. Should the implementation or effectiveness of the CTMP be impacted by surrounding major development not encompassed in the approved CTMP, the CTMP measures and controls are to be revised accordingly and submitted to Council for approval. A copy of the approved CTMP is to be kept onsite at all times and made available to Council on request.

Reason: to ensure compliance of the developer/builder in adhering to the Construction Traffic Management procedures agreed and are held liable to the conditions of consent. (DACTREDW1)

Ongoing Management

The applicant shall be responsible in ensuring that the road reserve remains in a serviceable state during the course of the project.

Reason: To ensure public safety within the road reserve(DACTREDW2)

CONDITIONS WHICH MUST BE COMPLIED WITH PRIOR TO THE ISSUE OF THE OCCUPATION CERTIFICATE

Operational Management Plan

An Operational Management Plan (OMP) is required to be prepared and submitted to Council detailing the operation of the development. The OMP shall include, but not be limited to the following:

- Vehicle access and egress.
- Through-site circulation of vehicle movements.
- Management of car parking areas.
- The location and content of directional signage.
- Complaints management.
- Noise management.
- Truck delivery times and methods of control to manage the sequencing of the loading docks.
- Waste management.

Details demonstrating compliance are to be submitted to the Principal Certifying Authority prior to the issue of any Occupation Certificate.

Reason: To ensure that the development operates with minimum disruption to the surrounding area (DACTRFPOC1)

Signage and Linemarking – External

A plan demonstrating the proposed signage and line marking within Council's Public Domain shall be prepared by a suitably qualified person and submitted to and approved by the Local Traffic Committee prior to the issue of any Occupation Certificate.

Note: The applicant is advised that the plan will require approval by the local Traffic Committee if the proposal requires change in existing parking conditions and hence, adequate time should be allowed for this process

Reason: To ensure consistent parking amenity (DACTRFPOC2)

ON-GOING CONDITIONS THAT MUST BE COMPLIED WITH AT ALL TIMES

Sight lines within carparks

The required sight lines to pedestrians and other vehicles in and around the carpark and entrances are not to be obstructed by landscaping or signage.

Reason: To maintain unobstructed sight distance for motorists (DACTRGOG1)