

Traffic Engineer Referral Response

Application Number:	DA2023/0614
Proposed Development:	Demolition works and construction of a car showroom
Date:	15/12/2023
Responsible Officer	
Land to be developed (Address):	Lot 4 DP 835792 , 61 Darley Street MONA VALE NSW 2103

Officer comments

Additional comments on amended plans - 15/12/23

The additional information provided by the applicant has addressed the traffic engineering concerns raised. It is noted that waste services have supported the development in terms of waste servicing aspects

Original comments - 9/6/23

The proposed development involves the demolition of existing structures on the site to facilitate the construction of a new two-storey motor sales showroom.

Traffic Generation and Impact to Road Network

The existing driveway access is located towards the northern end of the Darley Street site frontage. The proposal provides a new entry/exit driveway at the same location.

It is projected that the development would generate 10 vehicles per hour during the am and pm peak. This results in an increase of 3 trips during the peak periods. The traffic generation on the road network capacity is considered acceptable.

The access driveway is located approximately north of the intersection with Barrenjoey Road (State Road), which is controlled by traffic lights. Darley Street is also classified as a Regional Road. A separate Road Occupancy Licence (ROL) approval must be obtained from the Transport Management Centre (TMC) where works are proposed within 100m of traffic lights and/or stands on any State or Regional Road. Truck access therefore may be restricted during peak hours.

Parking

The parking requirements are assessed in accordance with Council's Pittwater 21 Development Control Plan (DCP) and RMS Guide to Traffic Generating Developments which indicates that parking rates for Motor Showrooms, require 0.75 spaces per 100m² of site area. This yields an off-street parking requirement of 11 parking spaces. The proposed development makes provision for a total of 18 off-street car parking spaces. The proposal also makes provisions for 3 motorcycle parking and 4 bicycles.

Loading Facilities and Waste Collection

The Applicant proposes a delivery bay, for customers to receive deliveries of their new car, which is located near the top of the basement ramp with access to the ground level showroom. A car lift is also proposed to provide display vehicles with access to both showroom areas from the basement car parking area. The Statement of Environmental Effects mentions that all loading and unloading facilities will remain off site at the local parent site in Brookvale Toyota where vehicle carriers will deliver new vehicles which will then be driven to the site independently. It is proposed that waste collection will be undertaken by a private contractor operating a utility or van with domestic vehicle access provided to the basement parking area. Height clearance restricts access to the basement car park level for larger vehicles, as the design vehicle dimensions for a Small Rigid Vehicle (SRV) require a clearance height of 3.5m.

The Applicant has provided a delivery bay for showroom and sales vehicles, however no designated parking area has been provided for service vehicles and general deliveries. A dedicated space should be provided in the basement car park adjacent to the bin storage area for waste collection and deliveries.

Additional information

Additional swept path analysis using a B99 vehicles is required to demonstrate entry and exit to the car lift in the basement car park, and delivery bay on the ground floor. Swept paths must also be provided to demonstrate suitable access to the parking space for service vehicles and deliveries using the largest vehicle anticipated for waste collection.

There is insufficient information provided to fully assess access to the required parking areas. It is therefore requested that the Applicant consider the above comments and provide an updated plan and swept paths so that it can be reviewed for further consideration.

The proposal is therefore unsupported.

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

Recommended Traffic Engineer Conditions:

DEVELOPMENT CONSENT OPERATIONAL CONDITIONS

Staff and Contractor Parking

The applicant is to make provision for parking for all construction staff and contractors for the duration of the project. All Staff and Contractors are to use the basement parking once available. All necessary facilities are to be provided to accommodate this requirement including lighting in the basement, security cameras, etc.

Reason: To ensure minimum impact of construction activity on local parking amenity.

Parking Enclosure

No parking spaces, or access thereto, shall be constrained or enclosed by any form of structure such

as fencing, cages, walls, storage space, or the like, without prior consent from Council.

Reason: To ensure accessibility is maintained.

Road Occupancy Licence (ROL) from Roads and Maritime Services

The developer shall apply for a Road Occupancy Licence (ROL) from the TfNSW Transport Management Centre (TMC) prior to commencing work within the classified road reserve or within 100m of traffic signals. The application will require a Traffic Management Plan (TMP) to be prepared by a person who is certified with 'Prepare a Work Zone Traffic Management' accreditation or equivalent. Should the TMP require a reduction of the speed limit, a Direction to Restrict will also be required from the TMC.

Reason: To inform the relevant Roads Authority of proposed disruption to traffic flows.

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

Car Parking 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.

Details demonstrating compliance with this condition are to be submitted to the Principal Certifier prior to the issue of a construction certificate.

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

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 a TfNSW accredited person and submitted to and approved by the Northern Beaches Council Traffic Team prior to issue of any Construction Certificate.

Due to heavy traffic congestion throughout the Mona Vale town centre and on Barrenjoey Road, truck movements will be restricted during the major commuter peak times being 8.00-9.30am and 4.30-6.00pm. Truck movements must be agreed with Council's Traffic Engineer prior to submission of the CTMP.

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 rates 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 safety
- 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

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.

Removal of Redundant Driveways

All redundant driveways shall be removed and reinstated to Council standard kerb and gutter. Suitably prepared plans shall be submitted to for an approval under and approved by Council prior to the issue of the Construction Certificate. All costs associated with the works shall be borne by the applicant.

A plan checking fee (amount to be advised) and lodgement of a performance bond may be required from the applicant prior to the release of the approval.

Reason: To maximise on street car parking by removing driveways that are no longer needed in accordance with Council policy.

Car Lift

The applicant is to provide information on the proposed vehicular car lift, operation details, and instructions to staff on using the device, maintenance plan, and contingency plan during a malfunction.

Details demonstrating compliance are to be reflected on the Construction Certificate plans and any supporting documentation for the endorsement of the Principal Certifier prior to the release of the Construction Certificate.

Reason: To ensure no vehicle conflicts within the basement carpark.

Pedestrian sight distance at property boundary

A pedestrian sight triangle of 2.0 metres by 2.5m metres, in accordance with AS2890.1:2004 is to be provided at the vehicular access to the property and where internal circulation roadways intersect with footpaths or other pedestrian access areas.

Details demonstrating compliance are to be submitted to the Principal Certifier prior to the issue of the Construction Certificate.

Reason: To maintain pedestrian safety.

CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT

Work Zones and Permits

Prior to commencement of the associated works, the applicant shall obtain a Work Zone Permit where it is proposed to reserve an area of road pavement for the parking of vehicles associated with a construction site.

A separate application is required with a Traffic Management Plan for standing of construction vehicles in a trafficable lane and a Roads and Maritime Services Work Zone Permit shall be obtained for State Roads.

Reason: To ensure Work zones are monitored and installed correctly.

Road Occupancy Licence

Prior to commencement of the associated works, the applicant shall obtain a Road Occupancy License from Transport Management Centre for any works that may impact on traffic flow or the the operation of the traffic signals at Barrenjoey Road and Darley Street.

Reason: Requirement of TMC for any works that impact on traffic flow.

Demolition Traffic Management Plan

As a result of the site constraints, limited vehicle access and parking, a Demolition Traffic Management Plan (DTMP) shall be prepared by an suitably accredited person and submitted to and approved by the Northern Beaches Council Traffic Team prior to commencing any demolition work.

Due to heavy traffic congestion throughout the area, truck movements will be restricted during the

major commuter peak times being 8.00-9.30am and 4.30-6.00pm.

The DTMP must:-

- Make provision for all construction materials to be stored on site, at all times.
- The DTMP is to be adhered to at all times during the project.
- Specify construction truck routes and truck rates. Nominated truck routes are to be distributed over the surrounding road network where possible.
- Provide for the movement of trucks to and from the site, and deliveries to the site. Temporary truck standing/ queuing locations in a public roadway/ domain in the vicinity of the site is not permitted unless prior approval is granted by Council's Traffic Engineers.
- Include a Traffic Control Plan prepared by an TfNSW accredited traffic controller for any activities involving the management of vehicle and pedestrian traffic.
- Specify that a minimum fourteen (14) days notification must be provided to adjoining property owners prior to the implementation of any temporary traffic control measures.
- Include a site plan showing the location of any site sheds, location of requested Work Zones, anticipated use of cranes, structures proposed on the footpath areas (hoardings, scaffolding or temporary shoring) and extent of 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 DTMP 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. These communications must be documented and submitted to Council prior to work commencing on site.
- Specify spoil management process and facilities to be used on site.
- Specify that the roadway (including footpath) must be kept in a serviceable condition for the duration of demolition. At the direction of Council, the applicant is to undertake remedial treatments such as patching at no cost to Council.

The DTMP 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 Demolition Traffic Management Plan is submitted.

Reason: This condition is to ensure public safety and minimise any impacts to the adjoining pedestrian and vehicular traffic systems. The DTMP 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.

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Implementation of Demolition Traffic Management Plan

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

Reason: To ensure compliance and Council's ability to modify the approved Construction Traffic Management Plan where it is deemed unsuitable during the course of the project.

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 TfNSW 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.

Ongoing Management

The applicant shall be responsible in ensuring that the road reserve remains in a serviceable state during the course of the demolition and building works.

Reason: To ensure public safety.

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

Disabled Parking Spaces

Where disabled parking spaces are provided they must be in accordance with AS2890.6:2009.

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

Reason: To ensure compliance with Australian Standards.

Shared Zone Bollard

A bollard is to be provided at the shared zone between disabled spaces in accordance to Australian Standards AS2890.6:2009.

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

Reason: To ensure compliance with Australian Standards.

Footpath Construction

The footpath, in accordance to Council's standard specifications, shall be reconstructed along the property frontage to Council's satisfaction. Details demonstrating compliance are to be submitted to the Principal Certifier prior to the issue of any Occupation Certificate.

Reason: To provide pedestrian access to and from the property.

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

Vehicle Parking

The car parking area shown on the approved drawings must be used for vehicle parking only. Loading and unloading of vehicles and delivery of goods to the land must be carried out within the site.

Reason: To ensure the safety and amenity of the general public using public streets

Landscaping/signage adjoining vehicular access

The applicant must ensure that the planting or signage chosen for any land immediately adjacent to the driveway and adjacent to any driveway intersections must not exceed a height of 1m

Reason: To maintain unobstructed sight distance for motorists.