

Terraffic Pty Ltd

Traffic and Parking Consultants

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15th January 2020

Andrew Macpherson Macpherson Property & Management PO Box 380 Newport NSW 2106

Dear Andrew,

ALTERATIONS TO EXISTING WAREHOUSE 11-17 WILMETTE PLACE, MONA VALE PARKING AND SERVICING ASSESSMENT

This assessment has been prepared to accompany a Development Application (DA) to Northern Beaches Council for proposed alterations to the existing Warehouse development at 11-17 Wilmette Place, Mona Vale.

The development site is located on the northern side of the Wilmette Place approximately 140m north of Darley Street. It has a site area of 11,453m² with a frontage of 104.88m to Wilmette Place.



Existing Site Development

The existing site development comprises an industrial warehouse building with a total floor area of 6,608m² comprising 5,320m² of warehouse floor space and 1,288m² of office floor

space. The site is currently served by 106 off-street car parking spaces that gain vehicular access to Wilmette Place via 2 x 8m wide combined entry/exit driveways.

The existing warehouse development is served by 3 loading bays of which 2 bays can be accessed by 19.0m long articulated vehicles (semi-trailers) and 1 bay by 12.5m long Heavy Rigid Vehicles (HRV's). It should be noted that several existing parking spaces will need to be vacated to accommodate these vehicles and maintain compliance with the Australian Standards.

Proposed Development

The development proposal involves alterations to the existing development to create 3 separate warehouse units with a combined floor area of 6,432m² as follows:

Use	Warehouse 1	Warehouse 2	Warehouse 3	Total
Warehouse	1,118m ²	1,963m ²	1,753m ²	4,834m ²
Office	322m ²	671m ²	515m ²	1,508m ²
Total	1,440m ²	2,634m ²	2,268m ²	6,342m ²

The proposal will be served by a total of 98 off-street car parking spaces including 4 disabled spaces. The proposal will also be served by 2 motorcycle parking spaces and parking for 6 bicycles.

The development proposal will be served by 4 loading bays as follows:

Warehouse 1	1 x loading bay capable of accommodating 12.5m Heavy Rigid Vehicles
Warehouse 2	1 x loading bay capable of accommodating 12.5m Heavy Rigid Vehicles
Warehouse 3	2 x loading bays capable of accommodating 19.0m Articulated Vehicles

The proposal will also retain the existing access arrangements off Wilmette Place.

Parking Requirements

Table 1 in Section B6.3 of the Pittwater 21 Development Control Plan does not specify any parking rates for warehouse developments. On this basis the DCP states:

Development not included in the above table

The minimum number of vehicle parking requirements must be determined using the appropriate guidelines for parking generation and servicing facilities based on development type comparison based on the Roads and Maritime Services Guide to Traffic Generating Development or analysis drawn from surveyed data for similar development uses. Provision must be made within the development site for access and parking of all service vehicles servicing the site, visitor parking and parking for people with disabilities.

The RMS publication "Guide to Traffic Generating Developments" (October 2002) specifies the following parking rates for industrial uses:

Warehouse developments 1 space per 300m² (includes ancillary office space)

Factory developments 1.3 spaces per 100m² (ancillary office space >20% of the total GFA

to be assessed at 1 space per 40m²)

Application of the **RMS warehouse requirement** to the proposed development yields a parking requirement of 21 spaces calculated as follows:

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6,342m² warehouse @ 1 space per 300m² 21.1 spaces
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The proposed development clearly satisfies the RMS warehouse parking requirement with the provision of 98 off-street parking spaces.

As noted above, the RMS requirement for factories includes up to 20% of office floor space. Any office floor space that exceeds this limit is subject to the RMS parking rate of 1 space per 40m^2 for commercial offices.

With a total combined floor area of 6,342m², the RMS factory parking requirement includes 1,268.4m² of office floor space. To that end the proposal exceeds the 20% allowance by 239.6m² calculated as follows:

Additional Office Floorspace	239.6m ²
Allowable Office Floorspace	1,268.4m ²
Proposed Office Floorspace	1,508.0m ²

Application of the **RMS factory requirement** to the proposed development yields a parking requirement of 86 spaces calculated as follows:

Total Requirement	85.3 spaces
239.6 ² additional office @ 1 spaces per 40m ²	6.0 spaces
6,102.4m ² factory @ 1.3 spaces per 100m ²	79.3 spaces

The proposed development also satisfies the RMS factory parking requirement with the provision of 98 off-street parking spaces.

Carpark Compliance

The off-street carparking arrangements have been designed to satisfy the following requirements of the Australian Standard AS/NZS2890.1-2004 – "Off-Street Car Parking":

- Parking spaces have a minimum length of 5.4m and width of 2.4m
- An additional 0.3m has been provided for spaces adjacent to a wall or obstruction
- The access/manoeuvring aisles satisfies the minimum width requirement of 5.8m
- Blind aisle extensions have been provided where necessary
- Pavement cross-falls at parking spaces do not exceed 5% (1 in 20) in any direction

Servicing Assessment

As noted in the foregoing, the units will contain a dedicated loading bay capable of the following:

Warehouse 1	1 x loading bay capable of accommodating 12.5m Heavy Rigid Vehicles
Warehouse 2	1 x loading bay capable of accommodating 12.5m Heavy Rigid Vehicles
Warehouse 3	2 x loading bays capable of accommodating 19.0m Articulated Vehicles

The swept path of these vehicles accessing each loading bay is reproduced in Annexure A. As can be seen, this vehicle can adequately enter and exit the site in a forward direction.

In the circumstances, it can be concluded that the proposed development has no unacceptable parking or servicing implications.

Should you wish to discuss this matter further, please do not hesitate in contacting Michael Logan on 0411 129 346 during normal business hours.

Yours faithfully

Michael Logan MTraff (Monash University)

Director

Terraffic Pty Ltd

ANNEXURE A

SWEPT PATH ANALYSIS





