

Risk – Wheel Stops

Please Note - Recommendation provided with no information on the facilities Traffic Management Plan, Floor Plan Layout or information pertinent to disabled access. Based on the provision of this information the recommendation may change accordingly.

Australian Standard AS/NZS 2890.1:2004 Parking Facilities off Street Car Parking - Section 2.4.5.1 States that:

“Note: Wheel stops should be avoided in any situations where they may be in the path of pedestrians or wheelchairs moving to or from parked vehicles, or crossing a car park for any other purpose.”

Wheel stops designed as per AS 2890.1:2004 Parking Facilities off Street Car Parking, refer to long concrete, rubber or other fixed material blocks that are used to impede the movement of vehicles. They are advised only for use in the protection of a fixed asset and their use in pedestrian areas should be avoided due to the trip hazard they pose. Wheel stops are not recommended for use adjacent to a marked pedestrian walkway. A pedestrian straying over a pedestrian walkway line would then be exposed to the trip and fall hazard. This is particularly true in the event that the marked pedestrian walkway is used by persons with a disability.

Recommendation - Removal of wheel stops and the addition of barrier post and rails or double U Bar type installations are a more desirable option, refer to pictures on page 3. Barriers such as post and rail designs should be installed in such a manner as to prevent parked cars encroaching on the pedestrian walkway whilst providing a far more visible option than wheel stops when no cars are parked in the bays.

The barrier installations should be hard fixed and reflective and at a suitable height and suitably spaced to ensure adequate access to and from vehicles for pedestrians (also considering disabled access requirements) for all such installation specifications refer to AS/NZS 2890.1:2004 Parking Facilities Off Street Car Parking and AS/NZS 2890.6:2004 Off Street Parking for persons with a Disability.

Ongoing maintenance of all barrier systems are vital to ensure ongoing suitability, safety and fitness for purpose.

Existing conditions - 107 Muriel Avenue, Moorooka

Diagram 1



Examples of alternative barriers to control vehicle and pedestrian access

Diagram 2



Diagram 3



Ensure barrier gaps are present at each parking bay to allow pedestrian and wheel chair access to the centre pedestrian footpath as per Diagram 1 refer to AS2890 for dimensions and specifications.