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Mr Robert Lee
Thiess Pty Ltd
Gate 1, Herbert Street
Building 21, Royal North Shore Hospital
ST LEONARDS NSW 2560

11 December 2009

Dear Robert,

**Re: RNSH Community Health Services Building
Review of Pedestrian / Vehicle Interaction at Car Park / Dock Access**

As requested we have undertaken a review of the proposed vehicle access arrangements to and from the Community Health Services building with regard to pedestrian / vehicle interaction.

It is proposed that separate driveways will be provided for the facility servicing the basement car park and the loading dock. These driveways will be separated by a median (1.2m wide). As both these driveways cross the pedestrian path located within the road verge there will be interaction between pedestrians and vehicles entering and exiting the facility.

The purpose of this review is to assess the extent of potential vehicle / pedestrian conflicts and identify appropriate mitigation measures (if required).

Extent of Vehicle / Pedestrian Conflicts

The proposed basement car park will provide a total of 31 spaces which will be accessed by a combination of staff and clients (ie. visitors). Access to the car park will be controlled with an intercom and roller door system.

The volume of traffic on the driveway ramp to and from the basement is expected to be less than 30 movements per hour and as such can be described as a low volume access driveway (AS2890.1).

Similarly the access to and from the loading dock will be controlled by an intercom and roller door system. Volumes of traffic are also expected to be low.

Given the low volume of traffic movements to and from the facility the RTA warrants for the provision of marked (designated) pedestrian crossing at the driveway would not be met nor would it be required to address a significant conflict.

Furthermore the vehicle access controls, namely the operation of the roller doors will provide of form of advance warning for pedestrians that a vehicle is exiting the facility.

It is noted that pedestrians have right of way on the footpath. For vehicles entering the site, drivers will be able to clearly view pedestrians on the footpath and vice versa. As such the adverse implications of conflicts would be minimal.

However for vehicles exiting the facility it is suggested that advance warning of pedestrians be provided.

Mitigation Measures

Notwithstanding that the extent of vehicle / pedestrian conflicts is considered to be minimum it is recommended that advance warning signage be installed along the vehicle exit path warning drivers that pedestrian may be crossing the driveway.

It is recommended that signage read "Give Way to Pedestrians".

This advance warning signage could be roof mounted on the exit ramp provided minimum vehicle headroom requirements as specified by the consent approval are maintained.

Should you have any queries regarding the above or require further information, please do not hesitate to contact the undersigned.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Jason Rudd', with a stylized, cursive script.

Jason Rudd
Associate