

Job Number: 17NL263. Ts2

Date: 29th November 2018

Traffic Statement

PROJECT: Proposed Residential Development

LOCATION: Lot & Section E DP; 6934 184 – 192 Restwell Road, Prairiewood

According to the latest architectural plan, the development will facilitate the construction of residential flat buildings with a site area of 3046.6m²; the project consists of two basements levels, with a primary function of car parking, while the whole proposed facility will include 106 apartments, which should be considered as High Density Residential Flat Buildings.

Bollards: -

"The proposed painted island with bollards adjacent to the list Basement Level 1 & 2 car parks will reduce the aisle width which caters for two-way traffic movements".

The distance between the carparking spaces & the bollard is 5.5m which provide a sufficient two-way traffic movement according to AS2890.1. please refer to attached swept path analysis plan T07 showing two vehicles passing each other's in front of the bollards



Figure 1 – Swept path analysis showing two vehicles pass each other's

Swept path analysis: -

“Swept path analysis was undertaken by Council officers in accordance with Design Vehicle and Turning Path Template – Aust roads. Based on the swept path analysis, concerns are raised in regard to the maneuvering aisle width (5.8m) adjacent to parking spaces (parking space numbers R66 - R71) at Basement Level 2 and the aisle width (5.8m) adjacent to parking spaces (parking space numbers R18-R23)”

The aisle width is 5.8m in front of parking spaces R66 – R71 & R18 - R23 which provide a sufficient space for maneuvering of vehicles to park in these parking spots according to AS2890.1. please refer to attached swept path analysis plan T08 & T09.

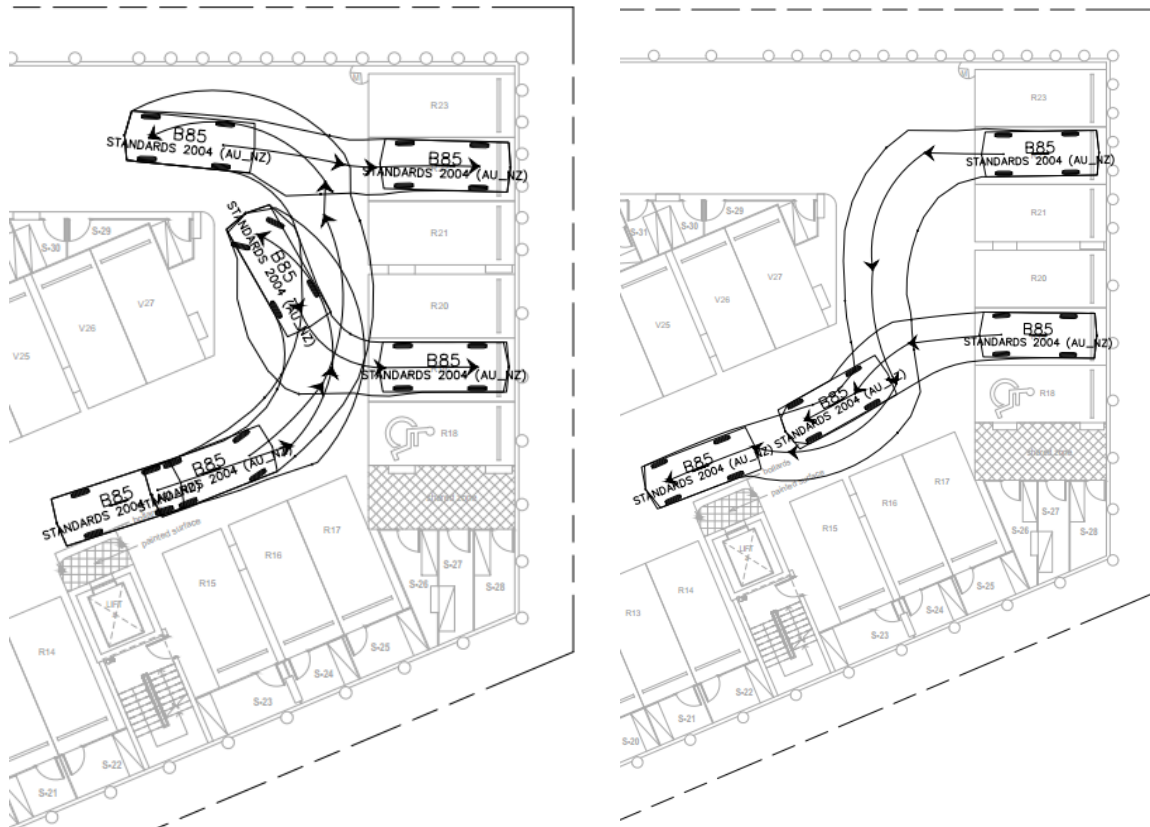
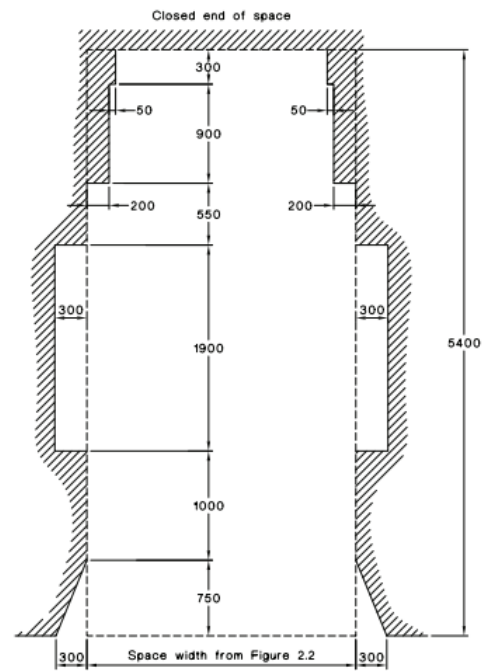
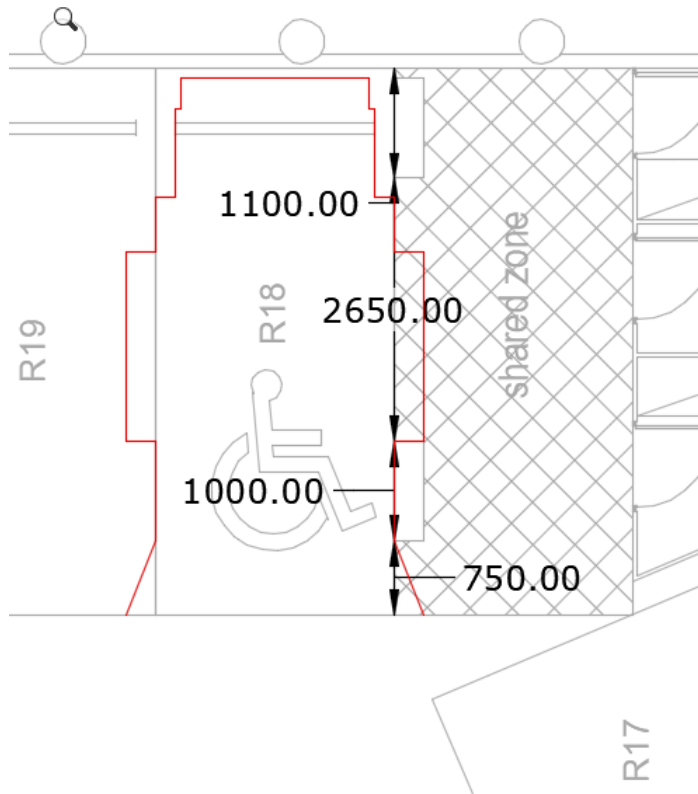


Figure 2 – Swept path analysis R18 – R23

Columns

“The columns located adjacent to the disabled parking spaces (R18 & R66) are considered as obstructions that will restrict door opening”

Please refer to the below figure showing the design envelope around the parked vehicle according to AS2890.1 part 5.2 figure 5.2 and the two columns adjacent to parking spaces showing there will be sufficient space for door opening according to AS2890.1



NOTE: The design envelope provides for structural elements to be clear of all four side doors.

DIMENSIONS IN MILLIMETRES

FIGURE 5.2 DESIGN ENVELOPE AROUND PARKED VEHICLE TO BE KEPT CLEAR OF COLUMNS, WALLS AND OBSTRUCTIONS

Figure 3 – standard Design envelope & R18 dimensions

Yours faithfully,
LOKA CONSULTING ENGINEERS PTY LTD

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