

Prospect South Expansion – Safe Sight Distance (SSD) Assessment

Document Acceptance

Action	Name	Signed	Date
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1. Sight distance at access driveway exits

The Americold site expansion is proposed to contain two driveways intersecting Reservoir Road. The west driveway is an existing driveway that is proposed to be solely utilised by heavy vehicles such as heavy rigid vehicles, semi-trailers and B-doubles. The proposed driveway in the east will be utilised by light vehicles.

1.1.1 Entering sight distance

Utilising Figure 3.2 of the AS 2890.1-2004, it has been calculated that the minimum safe sight distance (SSD) required for the driveway intersecting Reservoir Road is 65 metres for a 60km/h speed limit.

Detail surveys and architectural drawings were overlain aerial images to assess the sight lines, displayed in Figures 1.1 and 1.2.

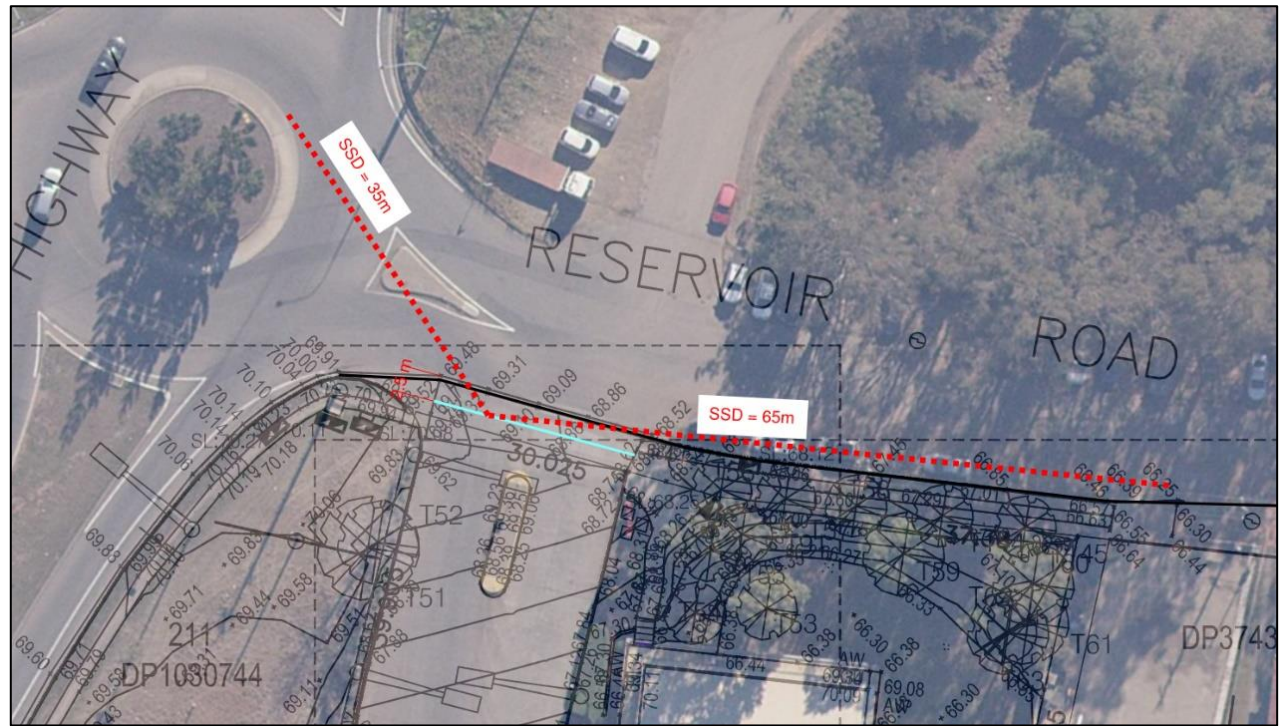


Figure 1.1: Heavy Vehicle Driveway (existing) SSD assessment



Figure 1.2: Light Vehicle Driveway SSD assessment

This access driveway SSD assessment indicates that no fixed obstructions are anticipated for either driveway. Obstruction may occur from parked vehicles on the southern edge of Reservoir Road, however the proposed development will facilitate additional car spaces and diminish the need for on-street parking.

For the western driveway, the sightline reaches the adjacent Prospect Highway / Rickard Road intersection before the minimum SSD is met. There are no permanent obstructions to the visibility of this intersection.

It is noted that Reservoir Road is a no-through road towards the east of the intersection, and hence the right-turning movement from the site driveway will be uncommon.

It will also be uncommon for vehicles to traverse this section of road at the 60km/h speed limit, and hence the calculated sight-distance is conservative.

1.1.2 Sight distance to pedestrians

Figure 3.3 of the AS 2890.1-2004 has been utilised to assess the minimum sight line for pedestrian safety, shown below.

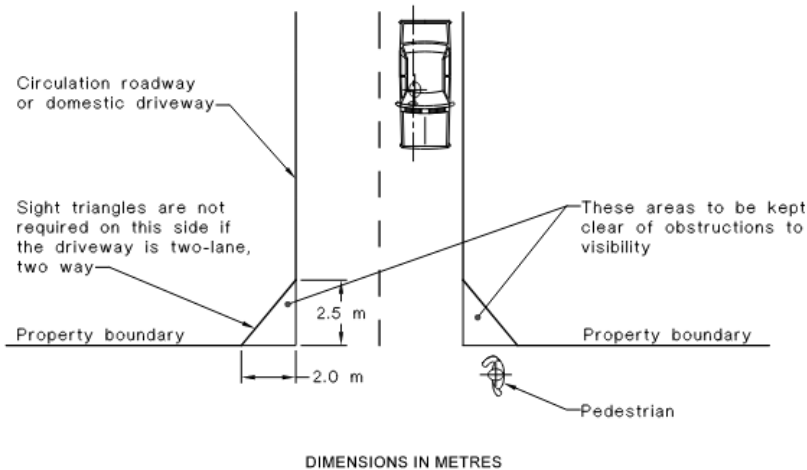


Figure 2.1: AS-NZS 2890.1-2004 Minimum sight lines for Pedestrian Safety.

