

Our Ref: 19355

18 September 2019

MRA Consulting Group
19 Roseby Street
DRUMMOYNE NSW 2047

Attention: Ms Esther Hughes

Dear Esther,

**RE: 115-117 COWPASTURE ROAD, WETHERILL PARK (DA 428.1/2018)
RESPONSE TO COUNCIL COMMENTS – SIGHT DISTANCE ASSESSMENT**

The Transport Planning Partnership (TPPP) has prepared this traffic statement on behalf of MRA Consulting Group in response to comments raised by Fairfield City Council for the above proposed development.

Background

A development application (DA) was lodged with Fairfield City Council (Council) seeking approval to operate a construction and demolition sorting and storage facility at 115-117 Cowpasture Road, Wetherill Park. Council has reviewed the DA submission and requested additional information, as per their letter dated 15 August 2019.

This traffic statement has been prepared to outline the findings of our sight distance assessment to address the following item raised by Council:

- *“A site investigation by Council's Traffic Engineers has revealed that the sight distance for motorists exiting from the development is restricted by the crest, which is situated on Cowpasture Road, north of the subject site. Access driveways shall be located where there is adequate sight distance available for motorists exiting the site to see oncoming traffic. Sight distance assessment shall be undertaken to ensure compliance with the requirement of AS/NZ 2890.1:2004. The applicant shall provide a response.”*

TPPP understands that access to the proposed development site will be provided via the existing vehicle access on Cowpasture Road, as shown in Figure 1 (overleaf).

Figure 1: Existing Vehicle Access



Source: nearmap Australia

Sight Distance Assessment

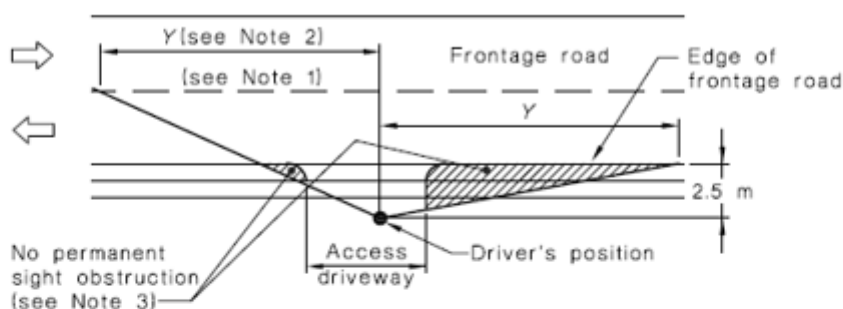
Cowpasture Road has a speed limit of 60km/h. Based on AS2890.1:2004 design requirements, the sight distance requirements at the existing access is a minimum safe stopping distance (SSD) of 65m, or a desirable 83m along Cowpasture Road.

The AS2890.1:2004 sight distance requirements at access driveways is shown in Figure 2.

Figure 2: AS2890.1:2004 Sight Distance Requirements at Access Driveways

AS/NZS 2890.1:2004

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Frontage road speed (Note 4) km/h	Distance (Y) along frontage road m		
	Access driveways other than domestic (Note 5)		Domestic property access (Note 6)
	Desirable 5 s gap	Minimum SSD	
40	55	35	30
50	69	45	40
60	83	65	55
70	97	85	70
80	111	105	95
90	125	130	Use values from 2 nd and 3 rd columns
100	139	160	
110	153	190	

Source: AS2890.1:2004, Figure 3.2

On 13 September 2019, TTPP carried out a sight distance assessment during daylight hours. Based on this, TTPP confirms that a sight distance of at least 83m is provided on either side at the existing access onto Cowpasture Road in accordance with AS2890.1:2004 design requirements. The sight distance diagram is shown in Attachment One.

Additionally, photographs of the sight distance at the existing access on either side of Cowpasture Road at a height of 1.15m are shown in Figure 3, Figure 4 and Figure 5.

It should be noted that the existing power pole on the right-side of the driveway (looking north) on Cowpasture Road restricts sight distance to the edge of Cowpasture Road. However, a sight distance of 83m is provided to the centre of the road, as shown in Figure 4. Therefore, the sight distance requirement at this point is considered to satisfactorily comply with AS2890.1:2004 design requirements.

Figure 3: Sight Distance Assessment – Right-side Approach (83m at a height of 1.15m)



Figure 4: Sight Distance Assessment – Right-side Approach (83m at a height of 1.15m)

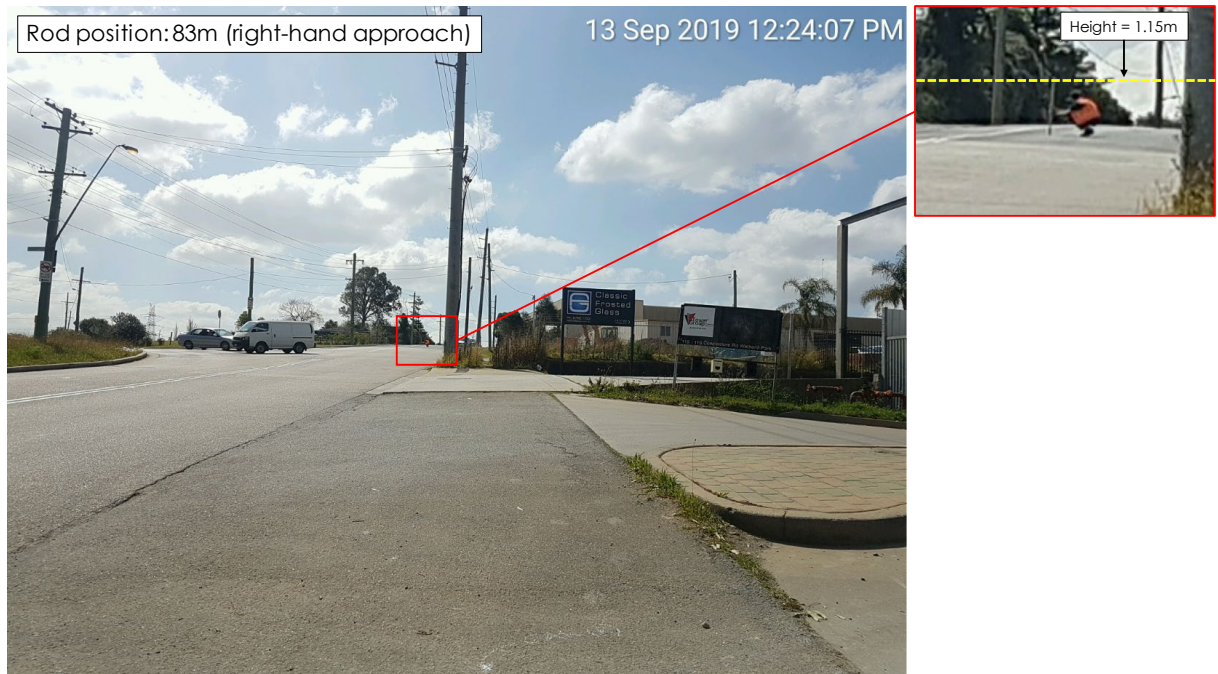


Figure 5: Sight Distance Assessment – Left-side Approach (83m at a height of 1.15m)



On this basis, TTPP confirms that the existing vehicle access satisfactorily complies with AS2890.1:2004 sight distance requirements.

Further to this, TTPP also carried out a sight distance assessment for a truck based on AS2890.2:2018 design requirements. Based on this, TTPP confirms that a minimum sight distance of 83m is provided along Cowpasture Road, in accordance with AS2890.2:2018 design requirements under a 5s gap, as shown in Figure 6 and Figure 7.

Figure 6: Sight Distance Assessment – Right-side Approach (83m at a height of 2.5m)



Figure 7: Sight Distance Assessment – Left-side Approach (83m at a height of 2.5m)



In summary, TTPP confirms that the existing vehicle access satisfactorily complies with the AS2890.1:2004 as requested by Council. In addition to this, the existing vehicle access also complies with the minimum AS2890.2:2018 sight distance requirements for a commercial vehicle under a 5s gap.

We trust the above is to your satisfaction. Should you have any queries regarding the above or require further information, please do not hesitate to contact the undersigned on 8437 7800.

Yours sincerely,



Ken Hollyoak
Director

Attachment One

Sight Distance Assessment Diagram



Filename: 19355CAD001-19355-SIGHT DISTANCE.dwg Date: 18 September 2019 By: Lailine malalan

REV.	DESCRIPTION	DRAWN	CHECK	APP'D	DATE
A	ISSUE FOR DISCUSSION	LM	JN	KH	18/09/19



PROJECT	115-117 COWPASTURE ROAD, WETHERILL PARK		
TITLE	SIGHT DISTANCE REQUIREMENT		

DWG No.	19355CAD001 FIGURE 1		
DATE STAMP	18 SEPTEMBER 2019		
PROJECT No.	SCALE	REV.	
19355	1:500 @ A3	A	