

## Memorandum

To: John Barnes (Department of Education)

From: Jason Rudd

Date: 5 November 2020

TTPP REF: 17356

**RE: PROPOSED UPGRADES TO CHATSWOOD PUBLIC AND CHATSWOOD HIGH SCHOOLS  
RESPONSE TO REQUEST FOR FURTHER INFORMATION**

As requested TTPP sets out herein further information relating to the proposed upgrades to Chatswood Public School and High School.

The information is provided in response to a request for further information by Transport for NSW (TfNSW) pertaining to construction vehicle and operational vehicle access to the Chatswood Public School site via the existing vehicle access located at the Pacific Highway, Chatswood.

The request for further information is set out in correspondence dated 27 October 2020.

It is noted that since the lodgement of the SSDA and the associated traffic assessments, Richard Crookes Constructions (RCC) has been engaged as the lead contractor for the delivery of the project.

RCC have commenced preparation of detailed construction methodology and staging along with preparing the detailed *Construction Traffic and Pedestrian Management Plan* (CTPMP).

It is currently proposed that the design vehicle accessing the site via the Pacific Highway will be as follows:

- Construction: Medium Rigid Vehicle (MRV - 8.8m long)
- Operation: Ambulance

The proposed construction methodology will include:

- widening of the existing gate opening on the School's property line;
- introduction of hoarding and a sliding gate at the property line; and
- traffic controllers to manage pedestrian movements at the site access.

## Response to TfNSW

- 2. It is not clear on the submitted plans and swept paths whether the existing vehicular access on the Pacific Highway needs to be modified during the construction stage and post construction stage to ensure that the swept paths of the largest vehicles can be accommodated. Any modification to the vehicular access layback requires concurrence with requirements from TfNSW in accordance with Section 138 of the Roads Act, 1993.*

For the construction period it is proposed that, with exception, the design vehicle requiring access to / from the Pacific Highway access will be a MRV.

Updated swept paths have been prepared and are attached to this response.

As shown in Figure 1 an extension of the existing layout to the south will be required to accommodate the swept path of a MRV turning wholly from and remaining in the kerb side line to turn into the site.

However, if the MRV were permitted to straddle the kerbside lane and the adjacent lane, then the swept path of a MRV could be accommodated by the existing layout back (see Figure 4).

It is noted that any works to extend the layout back will require TfNSW concurrence.

For the operational period, the Pacific Highway access would be exclusively used to accommodate an emergency vehicle, namely an ambulance. Service deliveries and car parking will be relocated within the Public School and accessed via local streets.

The ambulance swept path would be similar to a Small Rigid Vehicle (SRV). The SRV swept paths indicate (Figure 5), indicate that the existing layout back will continue to be suitable for ambulance access.

- 1. The submitted construction access swept paths do not demonstrate that there is provision on-site during the construction and post construction stages that the largest vehicles can turn around within the site to leave in a forward direction. The proponent is requested to provide this information prior to the determination of this application for road safety reasons.*

For the construction stage, RCC are currently investigating the site layout arrangements, including the use of a temporary vehicle turntable to allow construction vehicles to turn around on site and exit in a forward direction.

For the operational stage, the Pacific Highway access will be exclusively used for ambulance vehicle access. Figure 6 shows that adequate vehicle manoeuvring area is available to accommodate an ambulance vehicle turning around on site.

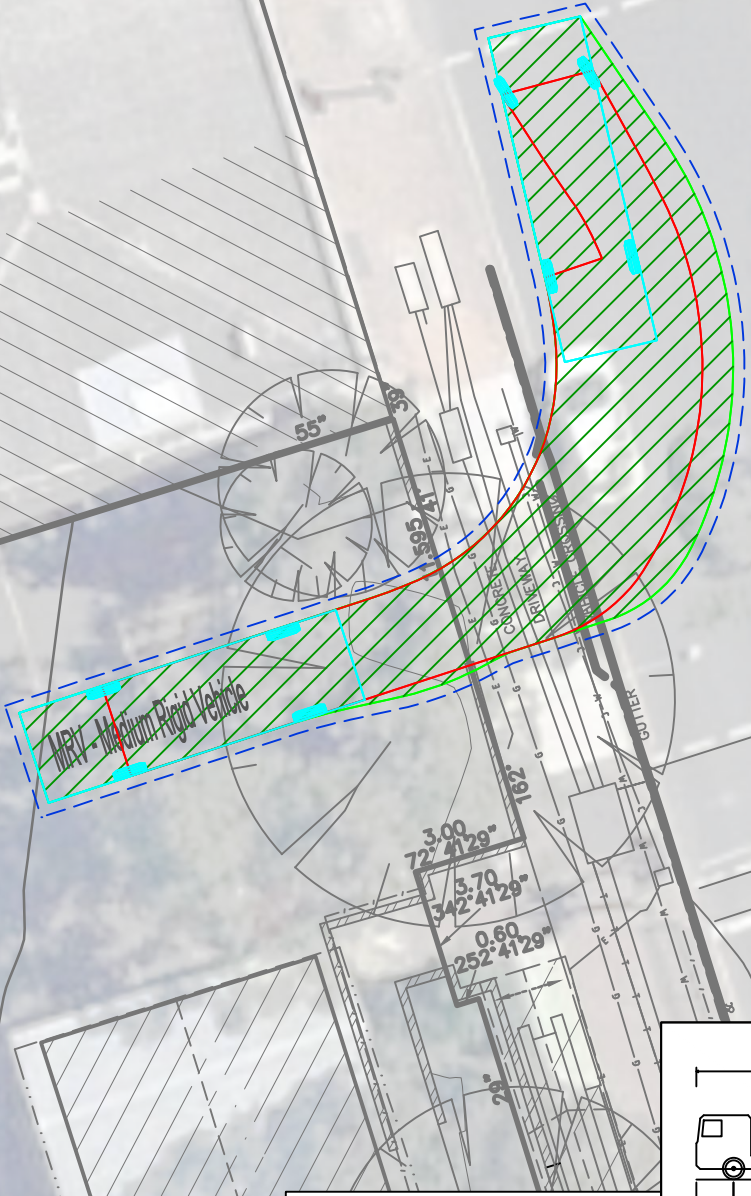
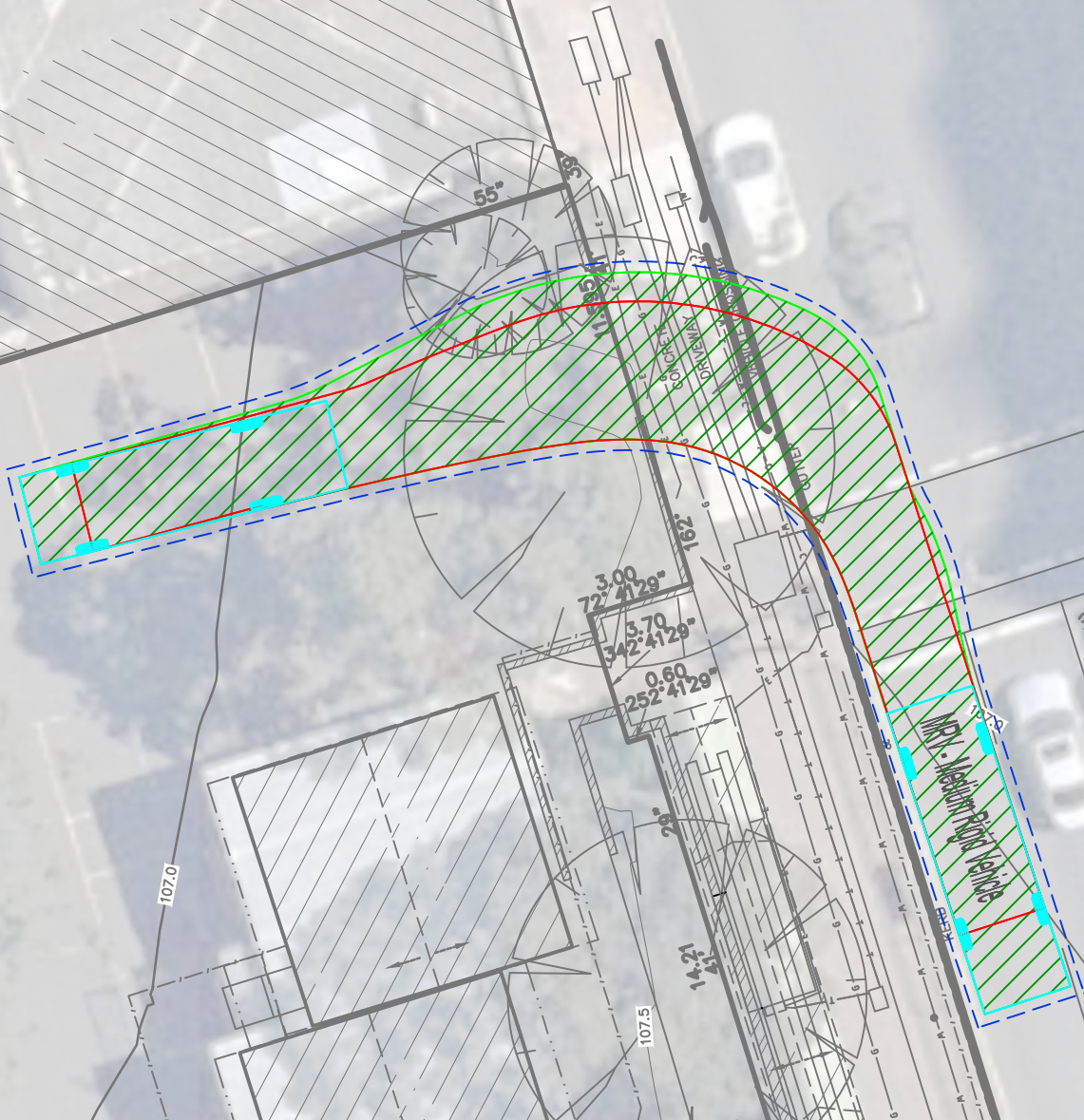


VEHICLE ENTERING

VEHICLE EXITING

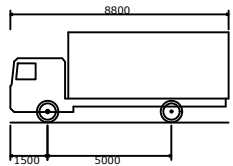
PACIFIC HIGHWAY

PACIFIC HIGHWAY



KEY:

	Forward	Reverse
Wheel path		
Body envelope		
300mm clearance		



MRV - Medium Rigid Vehicle	
Overall Length	8800mm
Overall Width	2500mm
Overall Body Height	3633mm
Min Body Ground Clearance	428mm
Track Width	2500mm
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10000mm

REV.	DESCRIPTION	DRAWN	CHECK	APP'D	DATE
A	ISSUE FOR DISCUSSION	KM	JR	JR	05/11/20



PROJECT

UPGRADES TO CHATSWOOD PUBLIC SCHOOL AND CHATSWOOD HIGH SCHOOL

TITLE

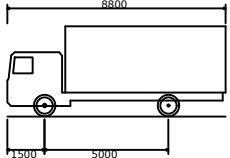
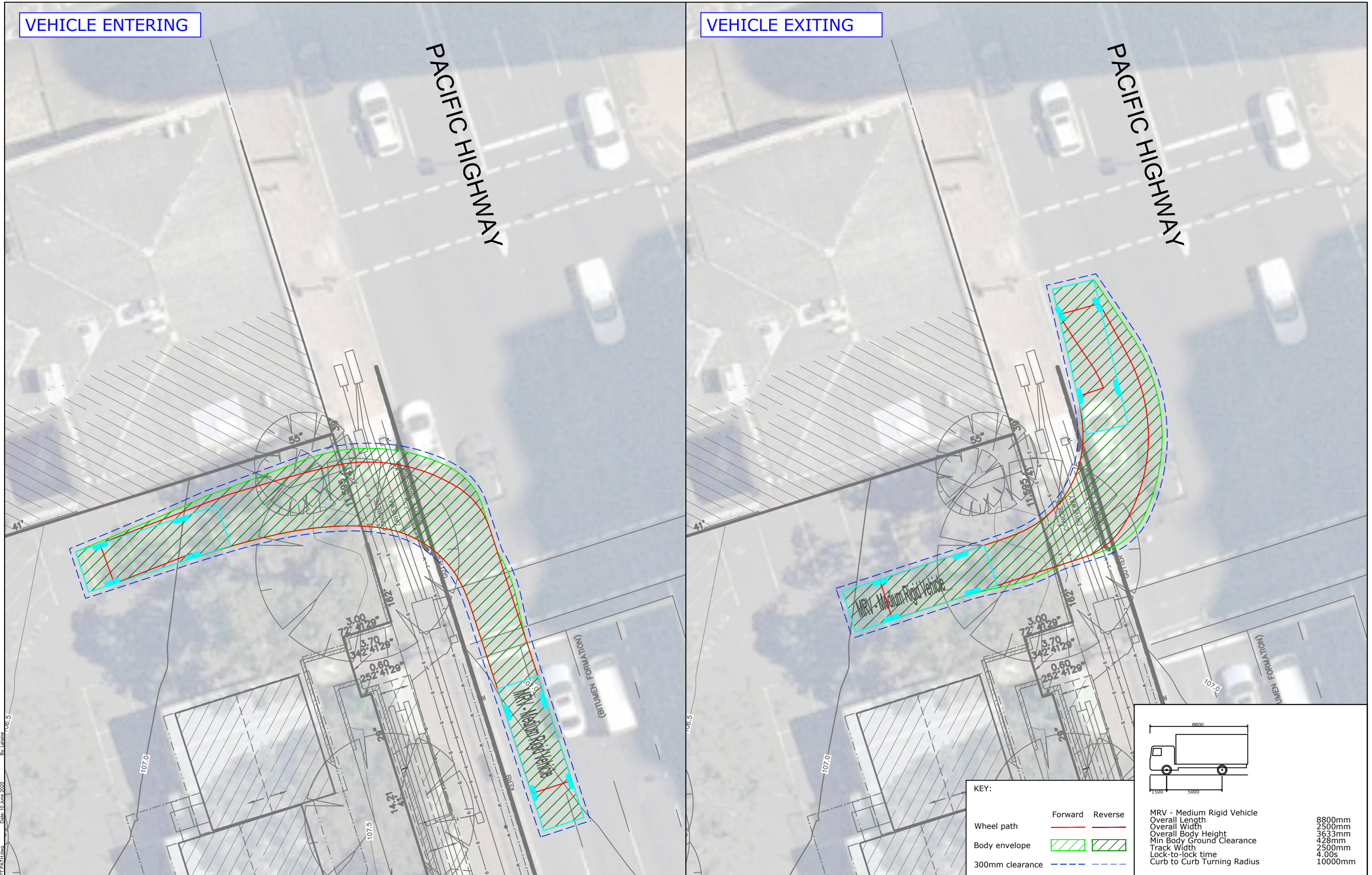
8.8m MEDIUM RIGID VEHICLE SWEEP PATH  
PACIFIC HIGHWAY ACCESS

DWG No.	20182CAD015
FIGURE 1	
DATE STAMP	05 NOVEMBER 2020
PROJECT No.	20182
SCALE	1:200 @A3
REV.	A



VEHICLE ENTERING

VEHICLE EXITING



MRV - Medium Rigid Vehicle  
Overall Length 8800mm  
Overall Width 2500mm  
Overall Body Height 3633mm  
Min Body Ground Clearance 428mm  
Track Width 2500mm  
Lock-to-lock time 4.00s  
Curb to Curb Turning Radius 10000mm

REV.	DESCRIPTION	DRAWN	CHECK	APP'D	DATE
A	ISSUE FOR DISCUSSION	LM	JR	JR	10/06/20



PROJECT	UPGRADES TO CHATSWOOD PUBLIC SCHOOL AND CHATSWOOD HIGH SCHOOL		
TITLE	8.8m MEDIUM RIGID VEHICLE SWEEP PATH PACIFIC HIGHWAY ACCESS		

DWG No.	20182CAD013 FIGURE 4		
DATE STAMP	10 JUNE 2020		
PROJECT No.	SCALE	REV.	
20182	1:200 @A3	A	

Filename: 20182CAD013-2018-10-SWEEP PATH.dwg Date: 10 June 2020 By: Lalaine

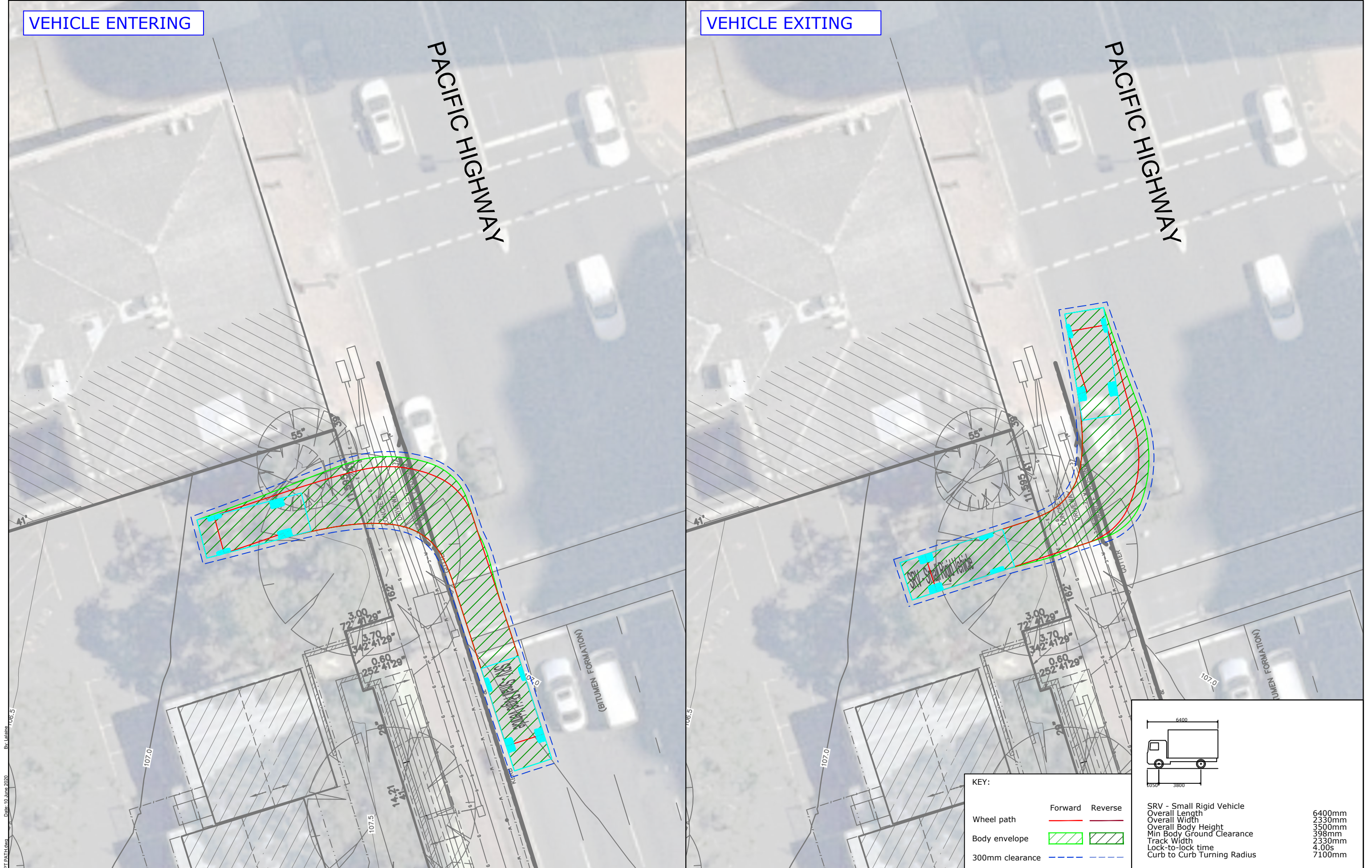


VEHICLE ENTERING

VEHICLE EXITING

PACIFIC HIGHWAY

PACIFIC HIGHWAY



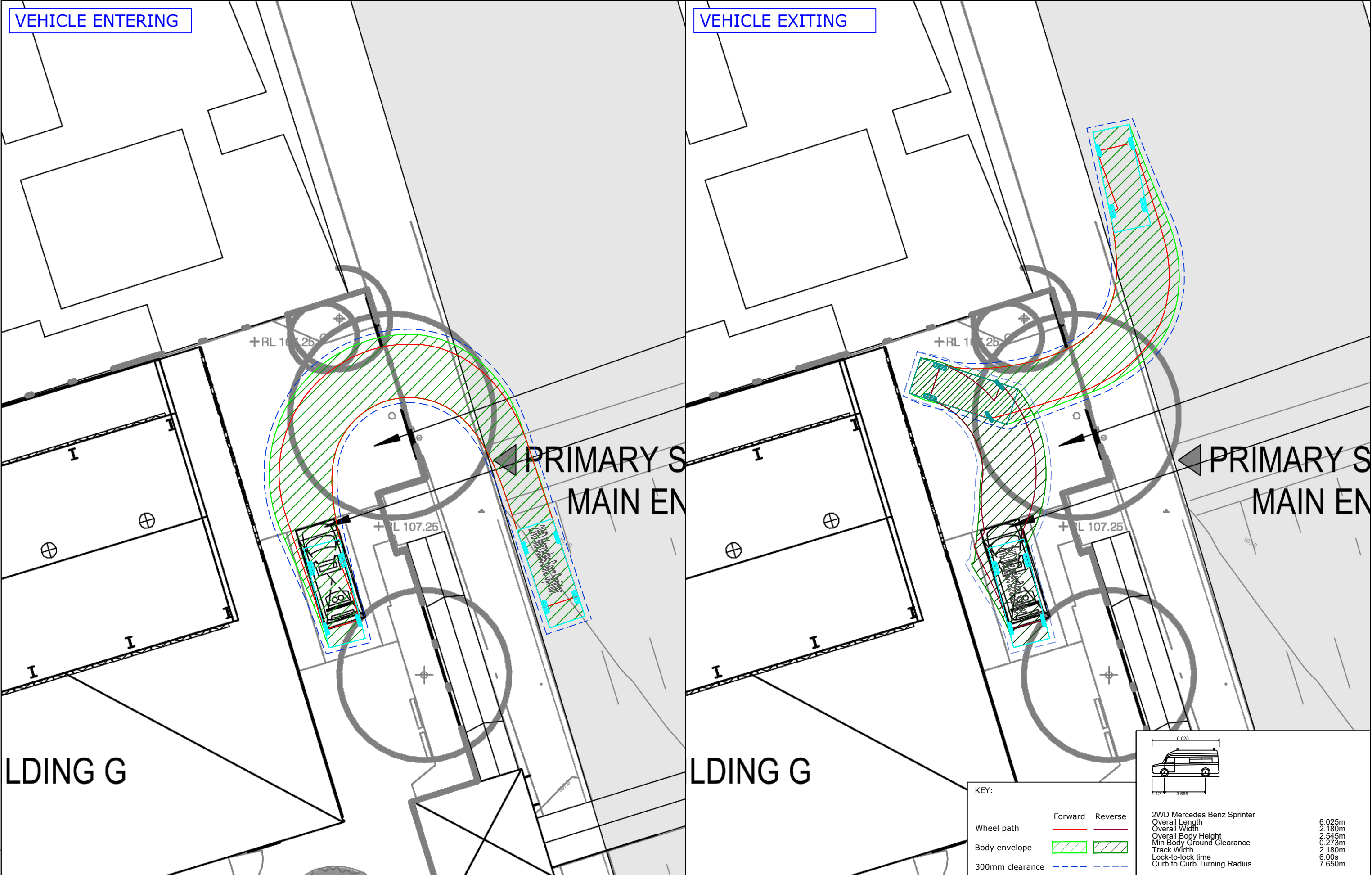
REV.	DESCRIPTION	DRAWN	CHECK	APP'D	DATE
A	ISSUE FOR DISCUSSION	LM	JR	JR	10/06/20



PROJECT	UPGRADES TO CHATSWOOD PUBLIC SCHOOL AND CHATSWOOD HIGH SCHOOL		
TITLE	6.4m SMALL RIGID VEHICLE SWEEP PATH PACIFIC HIGHWAY ACCESS		

DWG No.	20182CAD013 FIGURE 5		
DATE STAMP	10 JUNE 2020		
PROJECT No.	SCALE	REV.	
20182	1:200 @A3	A	





Filename: 17356CAD015-SWEPT PATH-201013.dwg Date: 13 October 2020 By: Lalaine

REV.	DESCRIPTION	DRAWN	CHECK	APP'D	DATE
A	ISSUE FOR DISCUSSION	LM	JR	JR	13/10/20



PROJECTUPGRADES TO CHATSWOOD PUBLIC SCHOOL AND CHATSWOOD HIGH SCHOOL

TITLENSW AMBULANCE SWEPT PATH

KEY:		
Wheel path	Forward	Reverse
Body envelope		
300mm clearance		

2WD Mercedes Benz Sprinter  
Overall Length 6.025m  
Overall Width 2.180m  
Overall Body Height 2.545m  
Min Body Ground Clearance 0.273m  
Track Width 2.180m  
Lock-to-lock time 6.00s  
Curb to Curb Turning Radius 7.650m

DWG No.			17356CAD015		
			FIGURE 6		
DATE STAMP					
13 OCTOBER 2020					
PROJECT No.		SCALE		REV.	
17356		1:200 @A3		A	