

37°50'12"S 144°58'33"E

# ADVERTISED PLAN

## CONSULTANT ADVICE NOTICE

To: Will Kitchen  
Company: **Aliro**  
Email: [wkitchen@aliro.com.au](mailto:wkitchen@aliro.com.au)  
CC: Department of Transport & Planning, John-Paul Maina

From: Jake Townley  
Company: **IMPACT®**  
Email: [Jake@impactaustralia.com.au](mailto:Jake@impactaustralia.com.au)

PROJECT: 1-27 Princes Highway, Dandenong South Reference: IMP2203006CAN02F02

Subject: Response To Functional Access Road Safety Audit (RSA)

**IMPACT®** engaged **Road Safety Audits®** to undertake an RSA (reference no. 15795) of the proposed functional layout plan of the access design to the proposed development at 1-27 Princes Highway. Specifically, drawing number IMP2203006-FLP-01-A.

The audit revealed the following findings and recommendations:

- 1. Give-way control**  
*The existing left turn site egress towards westbound Princes Highway has no 'give-way' control and gives the impression of a free left with minor pavement widening to accelerate and merge. Egressing vehicles (especially heavy vehicles) may find it difficult to merge safely in this high-speed environment, increasing the risk of various traffic conflicts.*
- 2. Trees**  
*The site ingress left slip lane along westbound Princes Highway is widened on the southside (red line) to accommodate heavy vehicle movements. The low hanging branches on the left side tree may create nuisance impact issues with the turning vehicles.*
- 3. Lighting**  
*There are no street lights in the immediate vicinity of the subject site. The area was poorly illuminated at night. Vehicles ingressing/egressing from the site may not be conspicuous at night, increasing the risk of various conflicts.*

In summary, the functional layout plan has been updated to reflect the recommendations given in item 1 and item 2. Lighting concerns, as mentioned in item 3, is accepted and deferred to be handled by others in the detailed design stage.

Updated drawings (Revision D) and a tabulated response to the RSA findings are attached as an annex to this note.

Naturally, should you have any queries or require any additional information, please contact the undersigned.

KIND REGARDS,



Jake Townley  
**Senior Engineer**  
M: 0411019786

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## ROAD SAFETY AUDIT RESPONSE TABLE

RSA Reference: 15795			<b>(1-27 Princes Highway , Dandenong South)</b>	
			Responder: <b>Jake Townley</b>	Date: 14/05/2024
Point	RSA Risk Rating	FSI*	Response	Accept / Reject
1.	L	<input type="checkbox"/>	Drawings updated to include give-way treatment and widen intersection to facilitate simultaneous truck movements	Accept
2.	L	<input type="checkbox"/>	Trees to be maintained during operation.	Accept
3.	M	<input type="checkbox"/>	Appropriate lighting to be installed. To be investigated by others in detailed design	Accept

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\*FSI = Fatal or serious injury / exceeds safe system crash outcome threshold

### Risk rating priorities for mitigation

N/A – not applicable

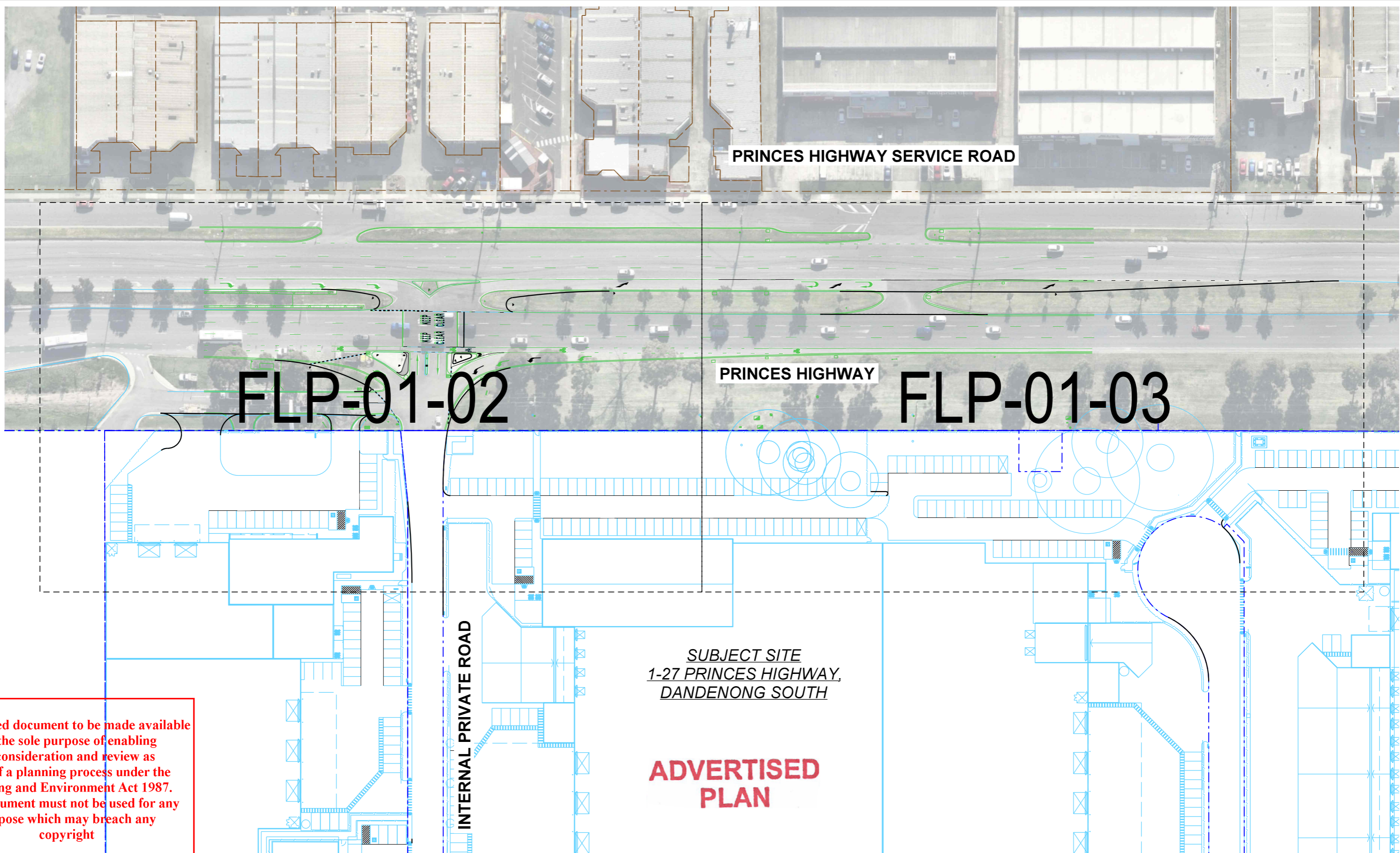
N Negligible – no action required

L Low – should be corrected or the risk reduced if the treatment cost is low

M Medium – should be corrected or the risk significantly reduced, if the treatment cost is moderate, but not high

H High – should be corrected or the risk significantly reduced, even if the treatment cost is high

E Extreme – must be corrected regardless of cost



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- GENERAL NOTES:
1. ALL DIMENSIONS ARE TO FACE OF KERB AND CHANNEL UNLESS NOTED OTHERWISE.
  2. LOCAL ROADS - PRINCES HIGHWAY SERVICE ROAD (SPEED ZONE 50KM/H).  
- EXISTING SITE ACCESS (SPEED ZONE TBC).
  3. DECLARED ROADS - PRINCES HIGHWAY (SPEED ZONE 80KM/H).  
BASE INFORMATION FROM NEARMAP AERIAL PHOTOGRAPHY DATED 26.04.2023, 2108-374-DA-004-ESTATE(O).dwg FROM ALIRO DATED 04.06.2024 AND 13174S-4D.dwg FROM HELLIER McFARLAND DATED 01.03.2024.
  4. INSTALL ALL SIGNS AND LINE MARKING IN ACCORDANCE WITH AUSTRROADS GUIDE TO TRAFFIC MANAGEMENT VOLUME 10, AS1742 AND RELEVANT VICROADS SUPPLEMENTS AND REMOVE ANY REDUNDANT SIGNS.

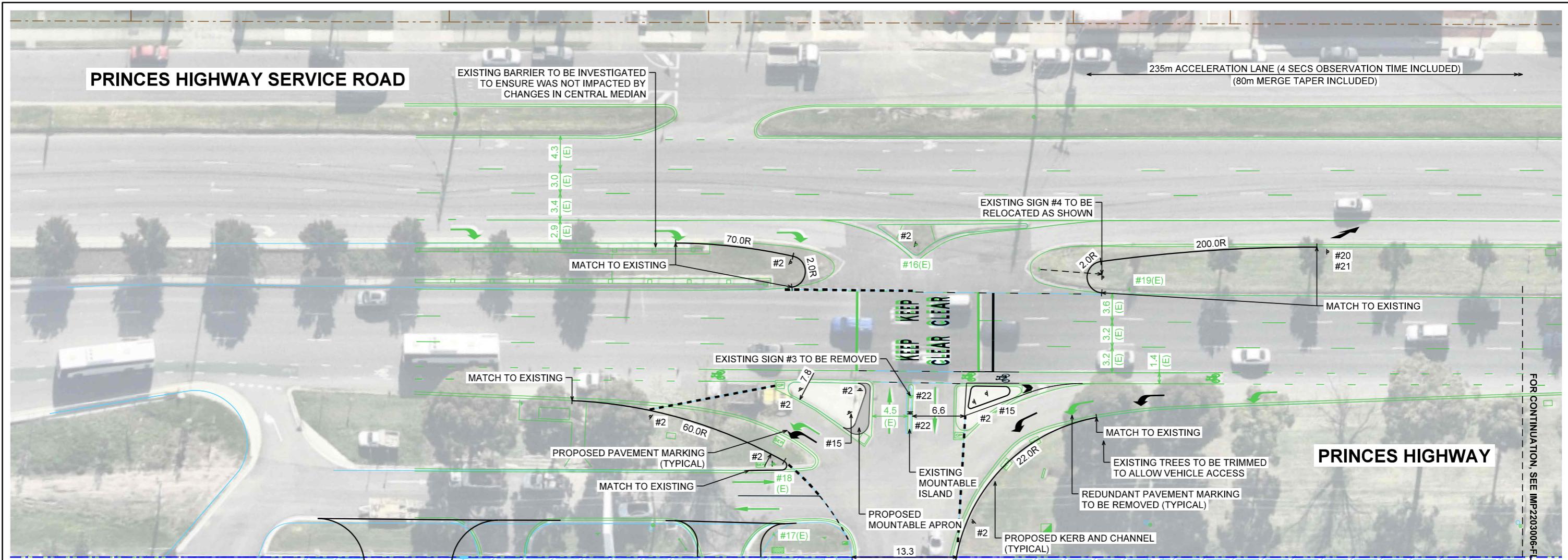
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MELWAY ONLINE REF:MAP 90 H11  
SCALE  
1:1000 @ A3

Client <b>ALIRO</b>	Date <b>2024-06-07</b>
Project <b>WAREHOUSE DEVELOPMENT 1-27 PRINCES HIGHWAY, DANDENONG SOUTH CITY OF GREATER DANDENONG</b>	Drawn / Approved <b>TD / JT</b>
Status <b>PRELIMINARY</b>	Revision <b>D</b>
Drawing Number <b>IMP2203006 - FLP-01-01</b>	

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FOR CONTINUATION, SEE IMP2203006-FLP-01-03

## ADVERTISED PLAN

### SIGN SCHEDULE

#2		R1-2	#16		R2-3(R)	#20		W4-9
#3		R2-3(L)	#17		R2-11	#21		W8-15
#4		D4-1-2(L)	#18		R5-35-1(L)	#22		
#15		D4-V105	#19		R2-5			

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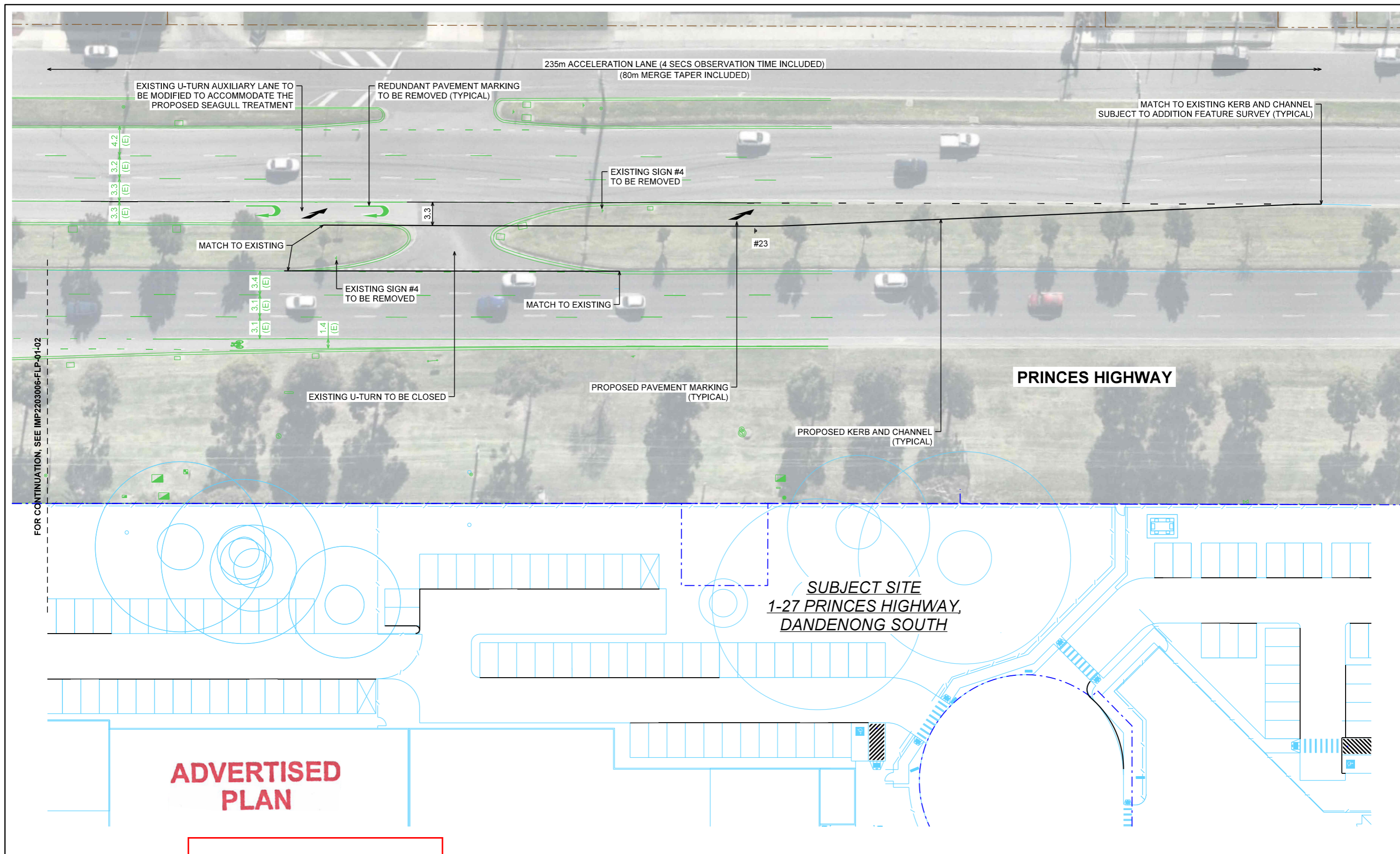
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MELWAY ONLINE REF: MAP 90 H11

SCALE  
1:500 @ A3

Client <b>ALIRO</b>		Date <b>2024-06-07</b>
Project WAREHOUSE DEVELOPMENT 1-27 PRINCES HIGHWAY, DANDENONG SOUTH CITY OF GREATER DANDENONG		Drawn / Approved TD / JT
Status <b>PRELIMINARY</b>	Title FUNCTIONAL LAYOUT PLAN SITE ACCESS DESIGN	Revision <b>D</b>
Drawing Number <b>IMP2203006 - FLP-01-02</b>		



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FOR CONTINUATION, SEE IMP2203006-FLP-01-02

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**SIGN SCHEDULE**

- #4  D4-1-2(L)
- #23  G9-73(L)


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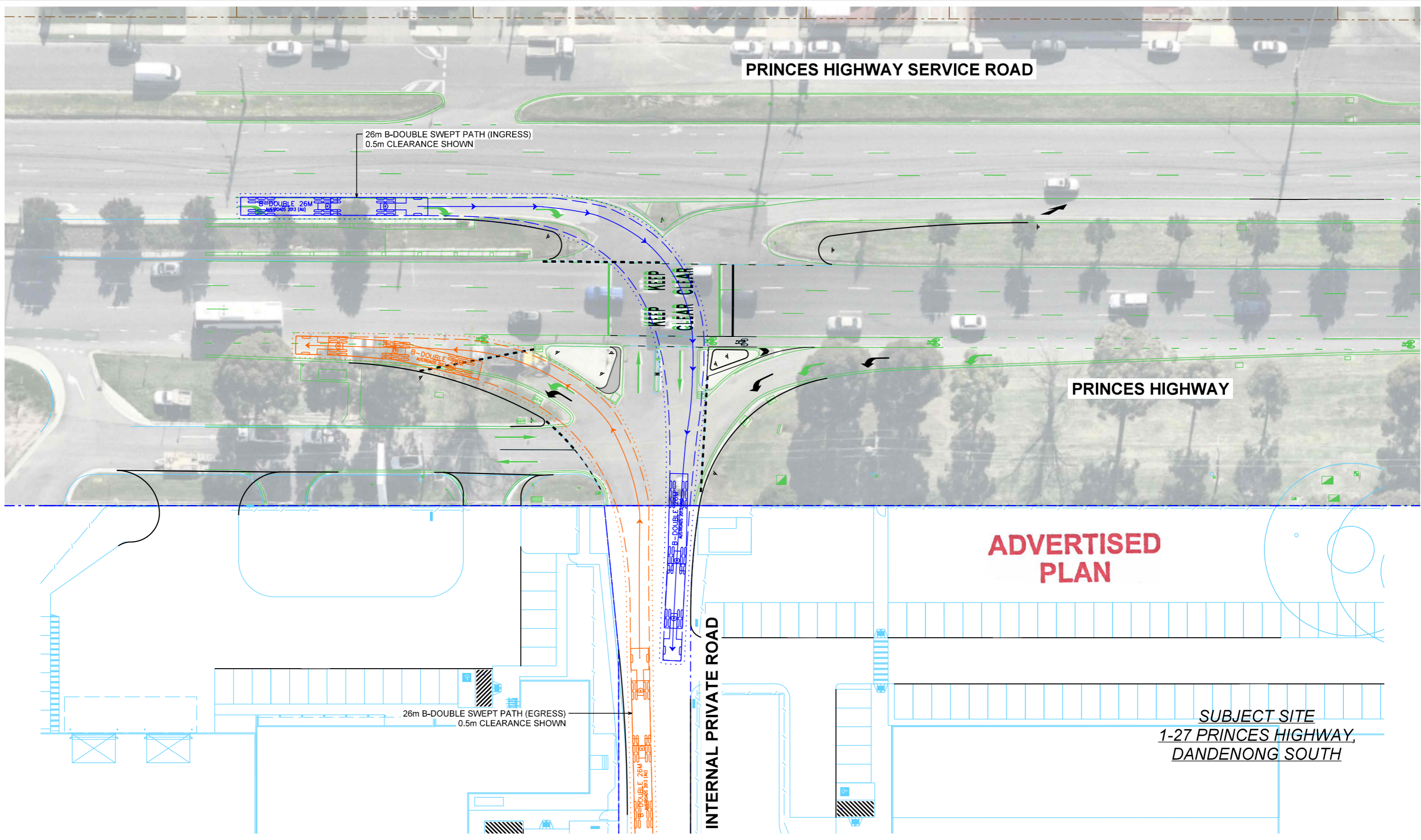


MELWAY ONLINE REF: MAP 90 H11

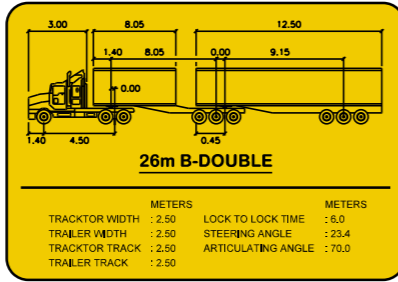
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Client <b>ALIRO</b>		Date <b>2024-06-07</b>
Project WAREHOUSE DEVELOPMENT 1-27 PRINCES HIGHWAY, DANDENONG SOUTH CITY OF GREATER DANDENONG		Drawn / Approved TD / JT
Status <b>PRELIMINARY</b>	Title FUNCTIONAL LAYOUT PLAN SITE ACCESS DESIGN	Revision <b>D</b>
Drawing Number <b>IMP2203006 - FLP-01-03</b>		

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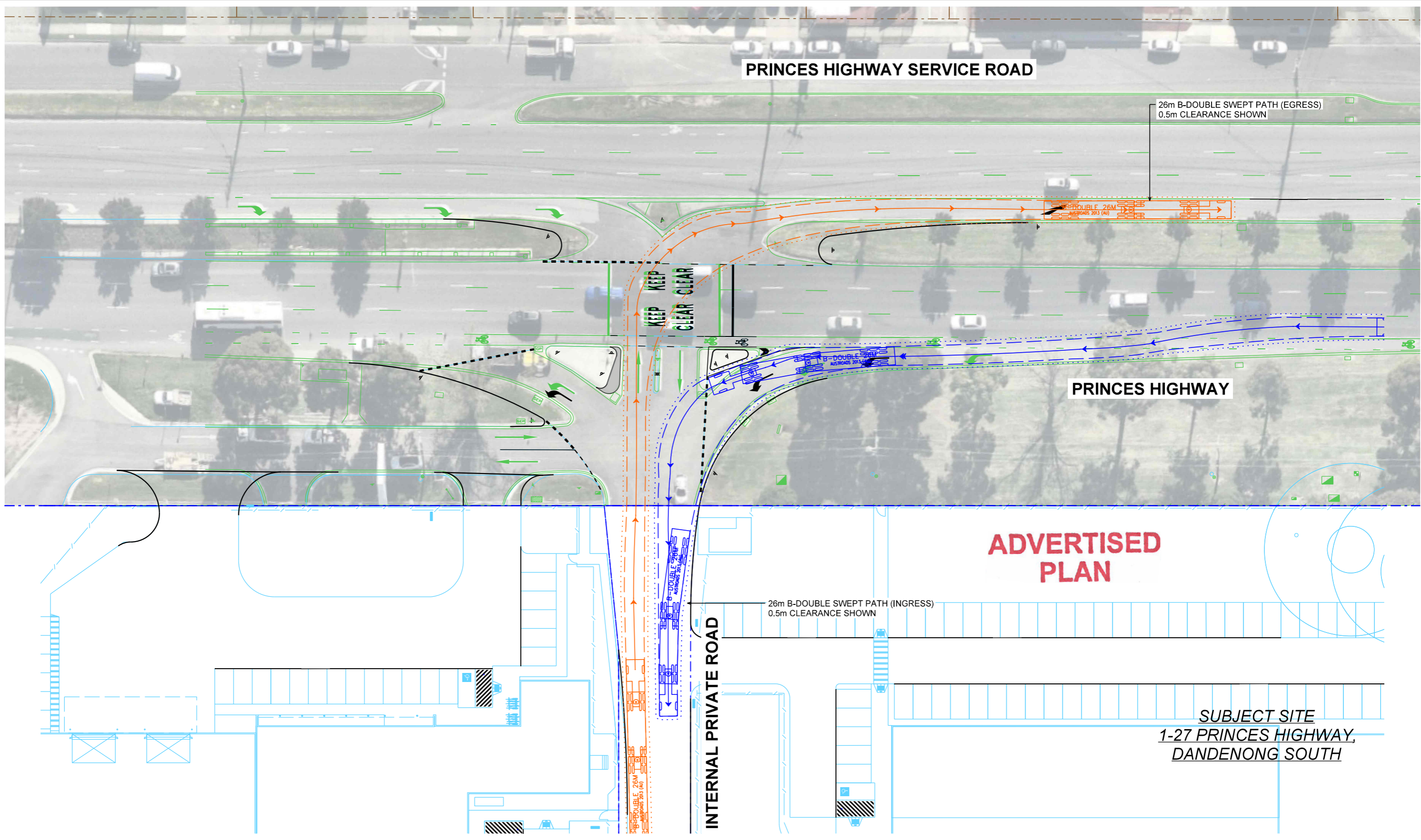
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Client <b>ALIRO</b>	Date <b>2024-06-07</b> Drawn / Approved TD / JT
Project WAREHOUSE DEVELOPMENT 1-27 PRINCES HIGHWAY, DANDENONG SOUTH CITY OF GREATER DANDENONG	Title FUNCTIONAL LAYOUT PLAN SWEEP PATH ANALYSIS 26m B-DOUBLE (DESIGN VEHICLE)
Status <b>PRELIMINARY</b>	Drawing Number <b>IMP2203006 - FLP-01-04</b>
	Revision <b>D</b>

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PRINCES HIGHWAY SERVICE ROAD

26m B-DOUBLE SWEEP PATH (EGRESS)  
0.5m CLEARANCE SHOWN

PRINCES HIGHWAY

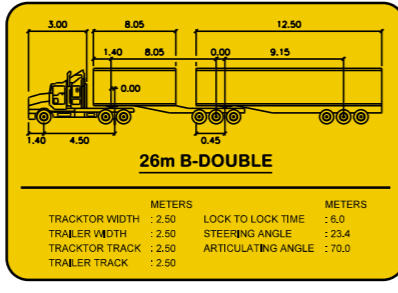
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26m B-DOUBLE SWEEP PATH (INGRESS)  
0.5m CLEARANCE SHOWN

INTERNAL PRIVATE ROAD

SUBJECT SITE  
1-27 PRINCES HIGHWAY,  
DANDENONG SOUTH

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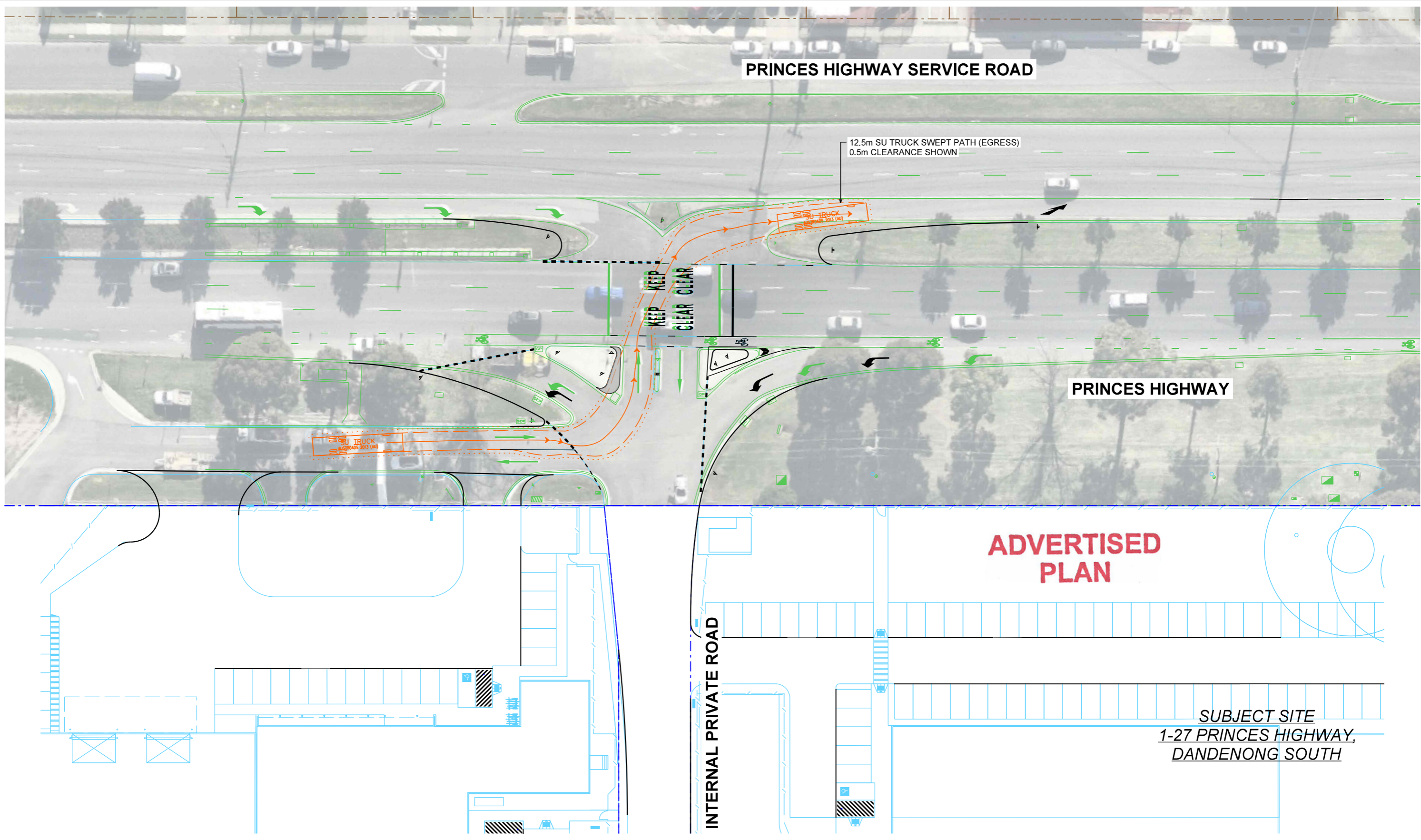
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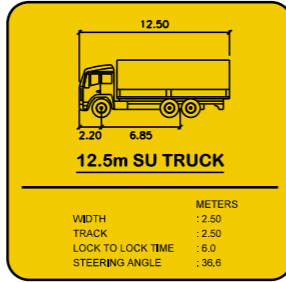
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Project WAREHOUSE DEVELOPMENT 1-27 PRINCES HIGHWAY, DANDENONG SOUTH CITY OF GREATER DANDENONG	Title FUNCTIONAL LAYOUT PLAN SWEEP PATH ANALYSIS 26m B-DOUBLE (DESIGN VEHICLE)
Status <b>PRELIMINARY</b>	Drawing Number <b>IMP2203006 - FLP-01-05</b>
	Revision <b>D</b>

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**Aliro**

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Project WAREHOUSE DEVELOPMENT 1-27 PRINCES HIGHWAY, DANDENONG SOUTH CITY OF GREATER DANDENONG	Title FUNCTIONAL LAYOUT PLAN SWEEP PATH ANALYSIS 12.5m SU TRUCK (DESIGN VEHICLE)
Status <b>PRELIMINARY</b>	Drawing Number <b>IMP2203006 - FLP-01-06</b>
Revision <b>D</b>	

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