

17 March 2022

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Attention: Travis Lythall

## **RE: 780 Wallgrove Road, Horsley Park SSD-9601 Modification – Response to Submission - Transport Statement**

Dear Travis,

Reference has been made to the Department of Planning, Industry and Environment (DPIE) response sent on 24 January 2022 in relation to Modification (MOD 1) for SSD-9601 at 780 Wallgrove Road, Horsley Park (the Site). In this regard, Brickworks Land & Development have commissioned Ason Group to prepare a response to the DPIE comments. Details of our assessment are as follows.

### **Modification to SSD-9601**

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It is noted that the submitted MOD 1 proposal sought approval of the following key works:

- Provision of 33 car spaces at the car park outside the office of the new production building.
- Construction of a new hardstand area for loading/unloading and storage.
- Removal of an existing internal ramp at the northern end of the Site.
- Construction of a new driveway for heavy vehicles to/from the Internal Access Road including the gate and weighbridges within the Site.
- Demolition of office buildings at the north-eastern section of the Site and convert into a yard for storage and overflow parking.
- Additional 10-12 staff working the night shift.
- Retained maximum of 35 staff on site at any given time.

### **Response to Council's Comments**

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The relevant comments raised by DPIE in relation to MOD 1 are included in **Table 1** with Ason Group's response outlined in the respective sections.

**TABLE 1: RESPONSE TO DPIE'S COMMENTS**

Item	Council's Comments	Ason Group's Response
1	A loading management plan providing a summary of the types and the frequency of vehicles servicing the site on a daily basis throughout the day shall be submitted to Council for assessment	Ason Group will issue a Loading Management Plan for Council's approval prior to the Occupation Certificate (OC) stage.
2	Swept path diagram (AG04) showing heavy rigid vehicle manoeuvring through the fire access road to drive up the ramp would conflict with passenger vehicles accessing the car park. The potential conflicts between heavy vehicles and passenger vehicles shall be addressed and additional information shall be submitted to Council for assessment	The swept paths in AG04 shows Heavy Rigid Vehicles (HRV) driving on the ramp and around the Site. The HRVs represents fire trucks circulating around the proposed Site. The fire trucks will not be loading/unloading and will only be on-site in the event of an emergency. As such, there will be no conflicts or interactions between heavy vehicles and light vehicles at the car park (including the ramp) during standard daily operations.
3	Swept path diagrams to demonstrate heavy vehicles travelling down the ramp can satisfactorily exit the site without conflicting with other users in the site	As discussed in Item 2, the HRVs represent fire trucks and are not expected to be on-site unless there is an emergency. As such, heavy vehicles will not conflict with other users within the Site during regular day to day operations.
4	Longitudinal section of the proposed entry driveway showing the grades and levels shall be submitted to Council for assessment	Please refer to the most recent plans for the proposed driveway longitudinal section provided by AT&L. The section has been designed to be in full compliance with the requirements stated in AS2890.2:2018 for 26.0m B-Doubles.
5	Swept path diagrams to demonstrate the intersection areas within the site have sufficient capacity to cater for two-way traffic movements;	<p>Ason Group prepared the Traffic Report for the SSD-9601 which stipulated a traffic generation of fewer than 10 vehicles per hour (vph) in the peak hours.</p> <p>The traffic generation of the MOD 1 SSDA would an additional 10 heavy vehicles throughout the day, resulting in approximately 2-3vph in the peak hour.</p> <p>The projected heavy vehicle traffic generation is sufficiently low such that conniptions two-way flow at the internal intersections is not warranted. The design generally provides for one-way circulation in accordance with best practise from a safety and efficiency standpoint.</p> <p>It would be expected that a Signage and Line Marking plan to be issued will provide the</p>

		appropriate signage to facilitate safe traffic movements.
6	Clarification regarding the waiting bay proposed adjacent to the entry driveway of the development site	The waiting bay adjacent to the driveway is proposed to allow vehicles to queue outside the site entry in scenarios where there may be traffic congestion at the driveway, which would prevent right turn movements into the Site. The waiting bay will allow trucks to queue without blocking the through movements on Access Road and is therefore beneficial to the operation of Access Road.
7	The proposed hardstand areas to cater for various types of heavy vehicles within the site shall be dimensioned and be reflected on the plans	Appendix A provides swept path analysis of expected heavy vehicle movements within the proposed hardstand location, this includes dimensions of the hardstand area and the respective proposed stockpile locations. Please refer to the most recent architectural plans from SBA Architects.
8	Longitudinal section of the ramp (adjacent to the car park) indicating grades and levels to accommodate heavy vehicles shall be submitted to Council for assessment.	Please refer to the most recent design for the proposed driveway provided by AT&L. The section has been designed to be in full compliance with the requirements stated in AS2890.2:2018 for 12.5m HRVs.

We trust the above is of assistance and if you have any questions, please do not hesitate to contact the undersigned.

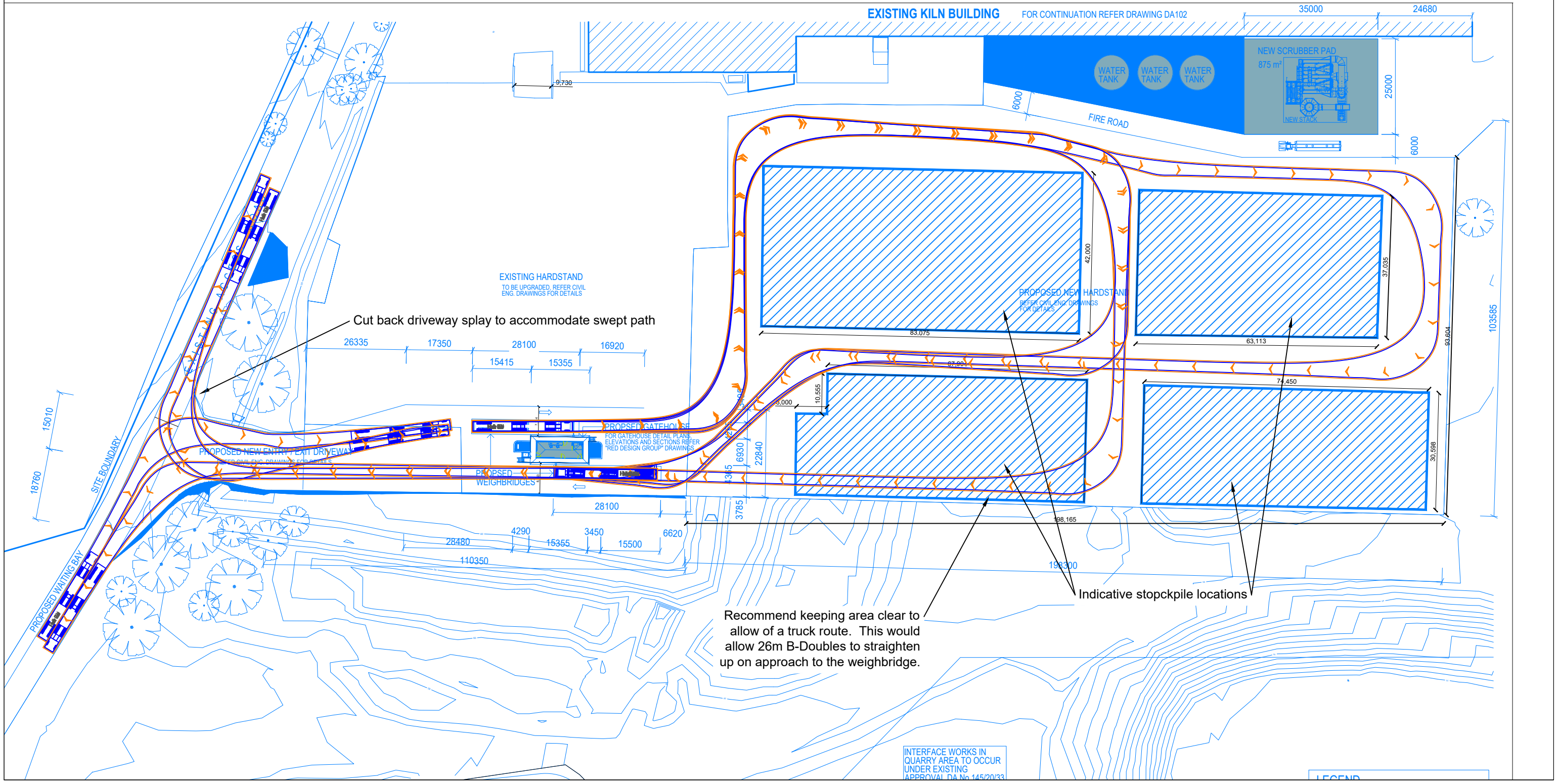
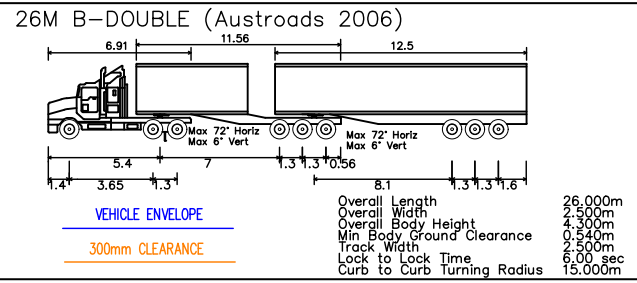
Yours sincerely,



Alan Tan  
**Traffic Engineer – Ason Group**  
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## Appendix A

### Swept path analysis of proposed hardstand area



**GENERAL NOTES**

This drawing is provided for information purposes only and should not be used for construction.  
Base Plan prepared by AT&L, received 01.03.2022.

DESIGNED Saddeeph B	PAPER SIZE A3	CLIENT BRICKWORKS
APPROVED BY D. CHOI	DATE 17.03.2022	PROJECT 0714
SCALE 1:1000	0 10 20	780 WALLGROVE ROAD, HORSLEY PARK

<b>DOCUMENT INFORMATION</b>	
SWEPT PATH ASSESSMENT	
PROPOSED HARDSTAND LOCATION	
FILE NAME AG0714-08-v1.dwg	SHEET AG01

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