

AS2890.2:2018 - COMMERCIAL VEHICLES

- MAXIMUM GRADE ON ACCESS DRIVEWAY SHOULD BE 1:20 (5%) FOR A DISTANCE OF AT LEAST 6M BETWEEN THE PROPERTY LINE, INTO THE SITE.
- MAXIMUM CHANGE IN GRADE SHOULD BE 1:16 (6.25%) IN 10M OF TRAVEL.
- MINIMUM SERVICE BAY WIDTH SHOULD BE 3.5M.
- MAXIMUM GRADE WITHIN A SERVICE BAY SHALL BE 1:25 (4%) IN ANY DIRECTION.

BICYCLE PARKING

- 500MM WIDE ENVELOPE REQUIRED FOR EACH BICYCLE SPACE, EQUIVALENT TO 1000M SPACING BETWEEN RACKS FOR TWO-SIDED PARKING RAILS, PER AS2890.3:2015.

✓ FIRE CONSULTANT TO CONFIRM ACCEPTABILITY OF
FIRE STANDING AREA IN THIS LOCATION.
PER *FIRE SAFETY GUIDELINE ACCESS FOR FIRE
BRIGADE VEHICLES AND FIREFIGHTERS*, SPECIALIST
FIRE SERVICE APPLIANCE REQUIRES THE WORKING
SPACE TO BE PROVIDED AT WATER TANK. REFER
AG09 FOR CIRCULATION.

LAST RSD TO BE RESTRICTED TO
8.8M MRV OR SMALLER
VEHICLES.

REFER AG09 FOR SPECIALIST
FIRE SERVICE APPLIANCE SWEEP
PATH.

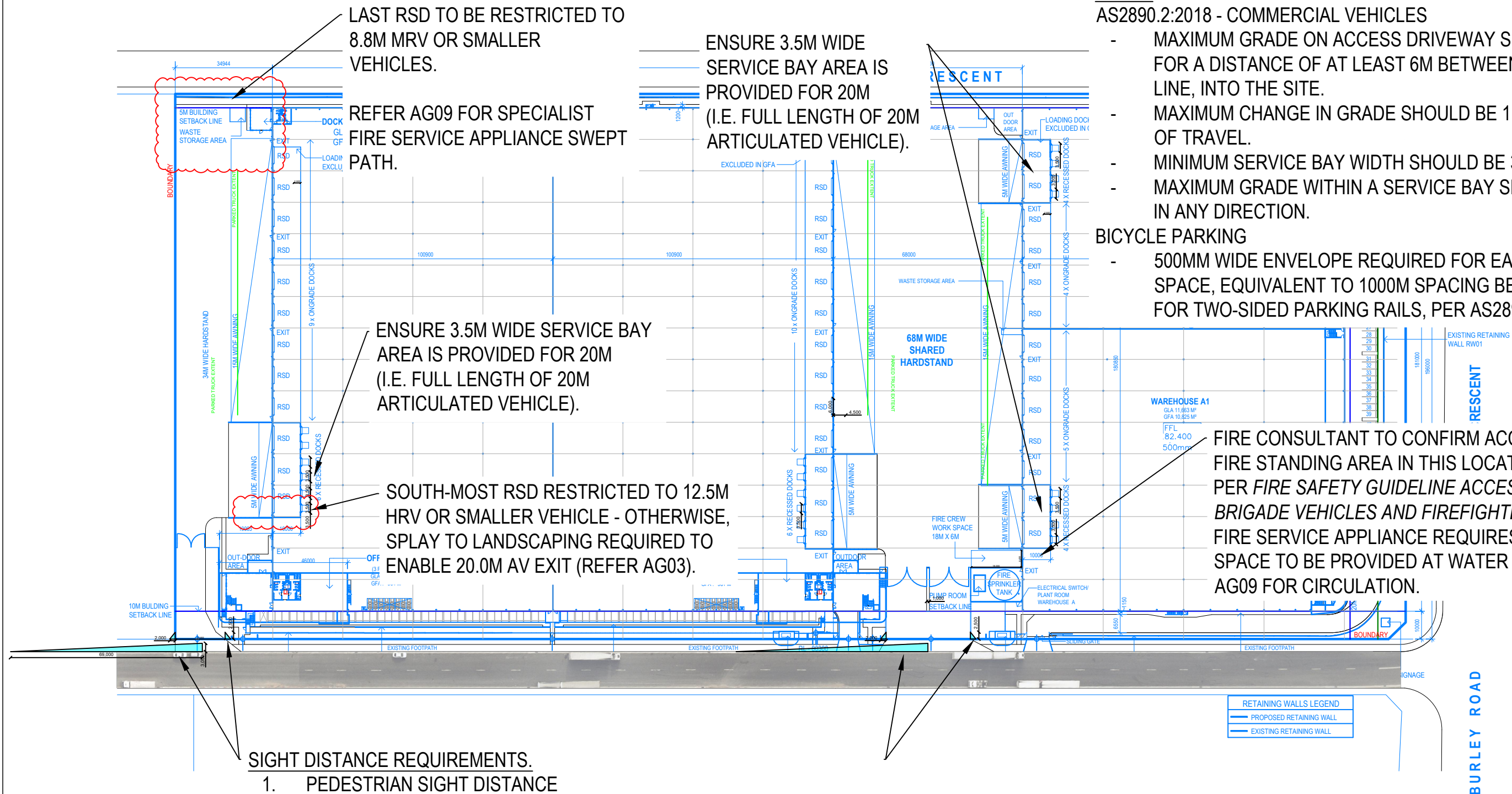
- ENSURE 3.5M WIDE
- SERVICE BAY AREA IS
- PROVIDED FOR 20M
- (I.E. FULL LENGTH OF 20M
- ARTICULATED VEHICLE).

ENSURE 3.5M WIDE SERVICE BAY AREA IS PROVIDED FOR 20M (I.E. FULL LENGTH OF 20M ARTICULATED VEHICLE).

SOUTH-MOST RSD RESTRICTED TO 12.5M
HRV OR SMALLER VEHICLE - OTHERWISE,
SPLAY TO LANDSCAPING REQUIRED TO
ENABLE 20.0M AV EXIT (REFER AG03).

SIGHT DISTANCE REQUIREMENTS.

1. PEDESTRIAN SIGHT DISTANCE
 - 1.1. MINIMUM DIMENSION OF 2.5M IN LENGTH AND 2.0M IN WIDTH.
 - 1.2. AREA SHOWN BY HATCHED AREA AT EACH DRIVEWAY, SHALL BE CLEAR OF ALL VISUAL OBSTRUCTIONS HIGHER THAN 500MM.
2. ONCOMING TRAFFIC SIGHT DISTANCE
 - 2.1. TO ACHIEVE SIGHT DISTANCE REQUIREMENT FOR 5 SECOND GAP AT A FRONTAGE ROAD SPEED OF 50KM/H, 69M IS REQUIRED.
 - 2.2. ENSURE NO SIGHT OBSTRUCTION ABOVE 1.15M WITHIN THIS AREA.



GENERAL NOTES

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Base Plans prepared by nettletontribe, received 2024.07.01, Aerial Image retrieved from Nearmap dated 2024.03.13

DESIGNED Jensen Wu	PAPER SIZE A3	CLIENT ESR Australia
APPROVED BY X.XXXX	DATE 03.07.2024	PROJECT P2521
SCALE 1:1500	NTS	3 Johnston Crescent, Horsley Park

	DOCUMENT INFORMATION
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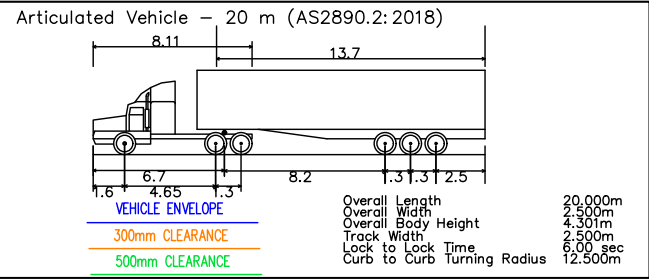
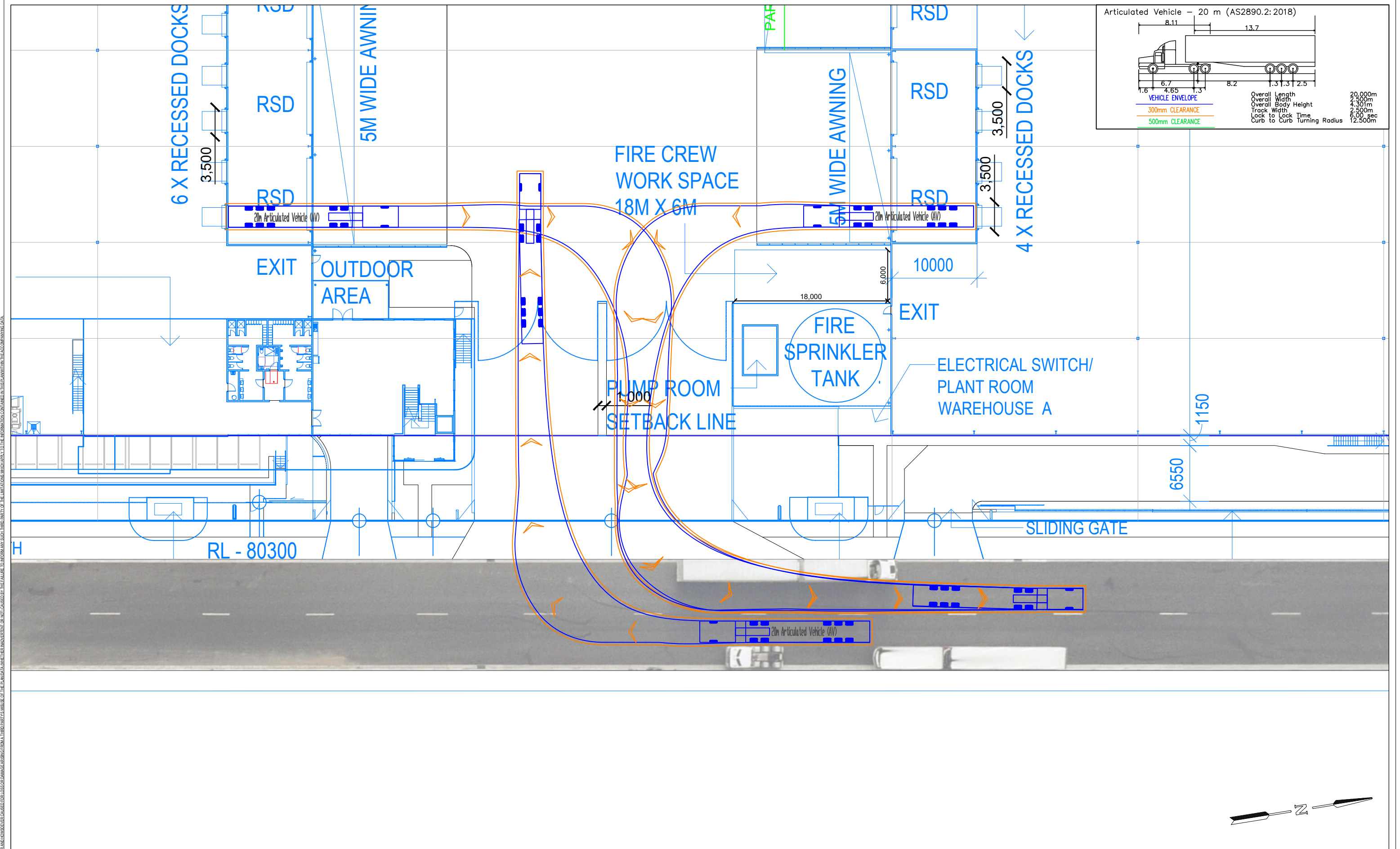
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AG2521-02-v03.dwg	AG00

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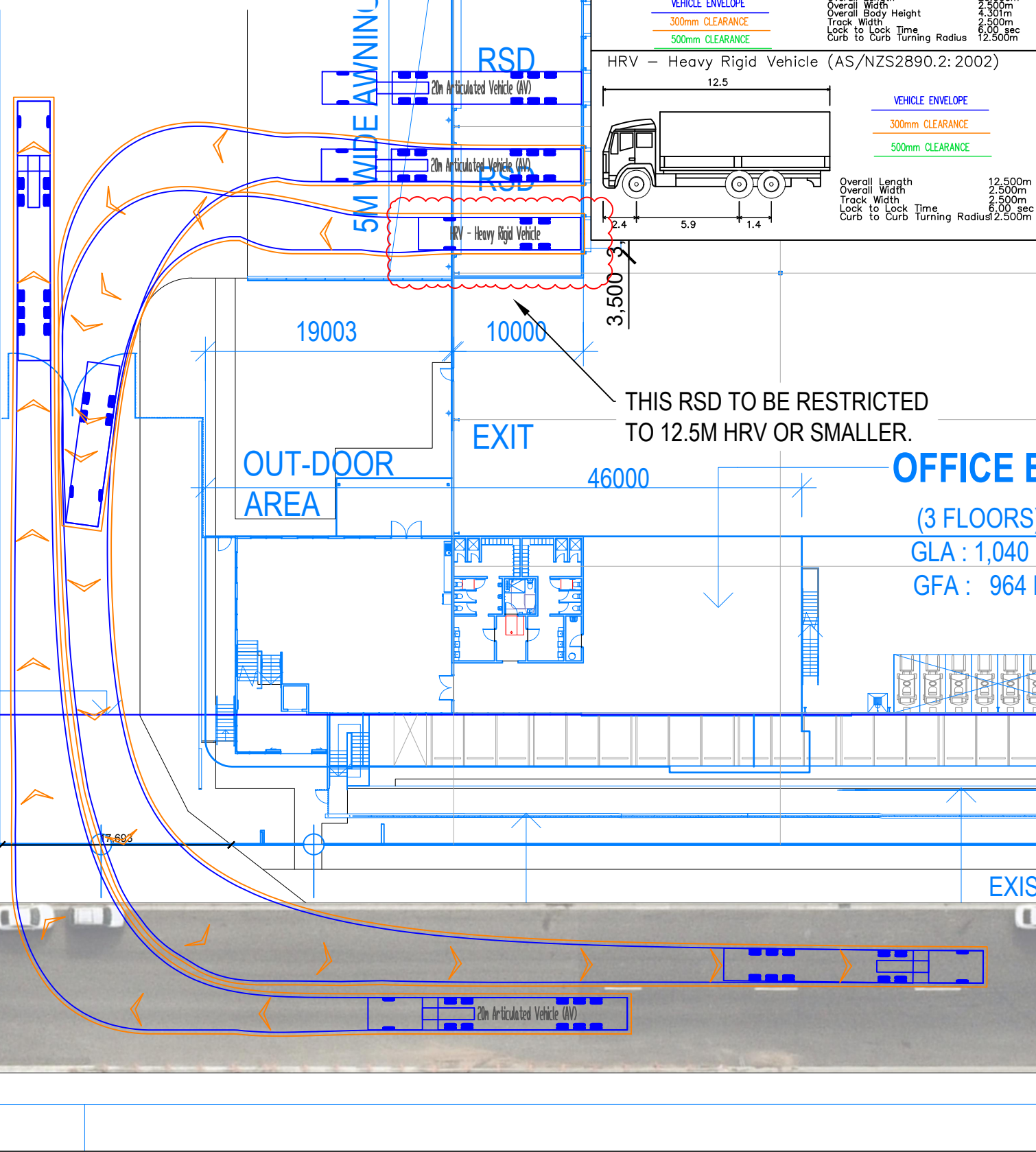
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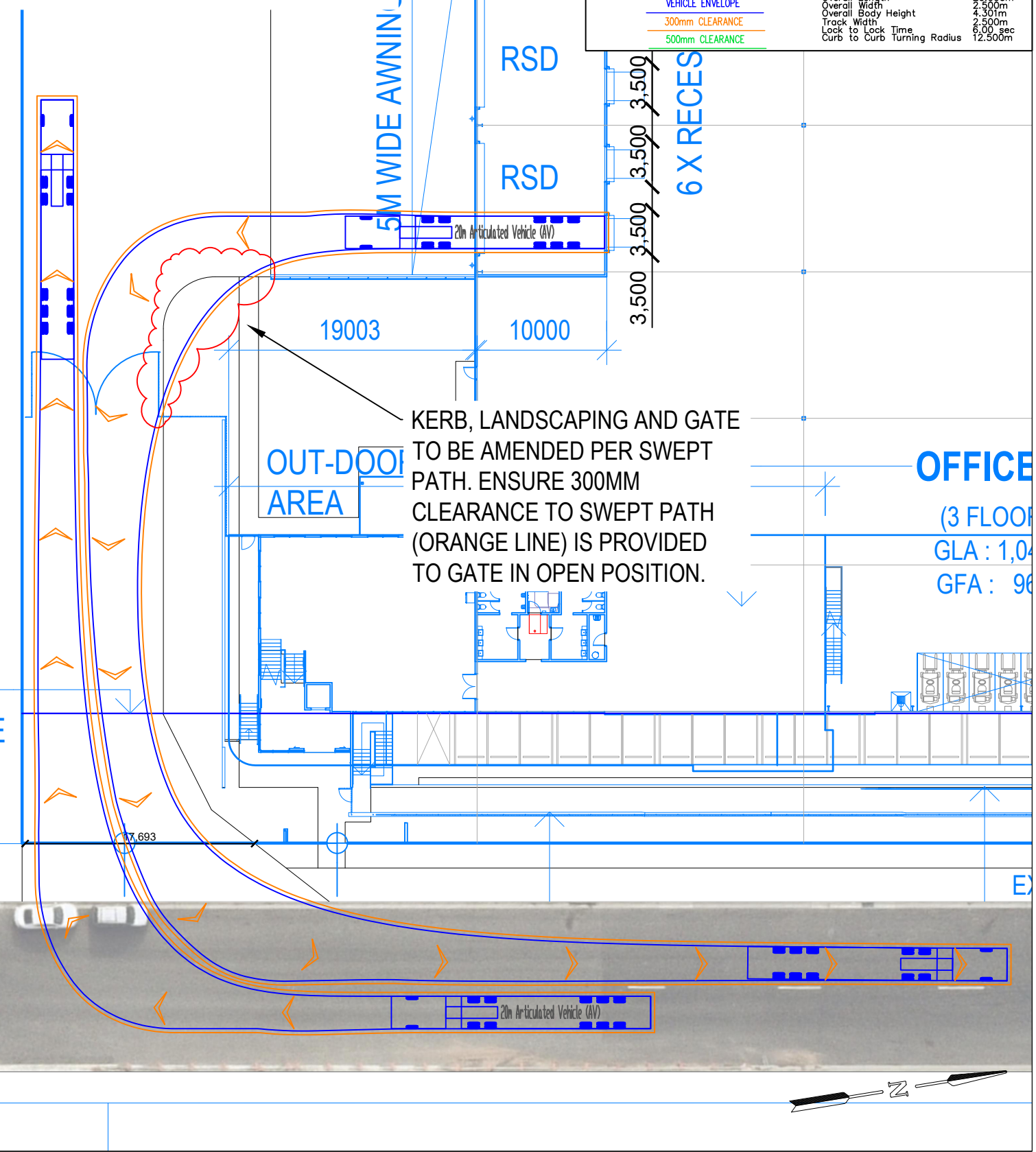


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	Jensen Wu	A3	ESR Australia	SWEPT PATH ASSESSMENT		
	APPROVED BY	DATE	PROJECT	ACCESS DRIVEWAY		
	X.XXXX	03.07.2024		P2521		
SCALE			3 Johnston Crescent, Horsley Park		FILE NAME	SHEET
1:400					AG2521-02-v03.dwg	AG01

OPTION A
RESTRICT SOUTH-MOST
RSD TO HRV.



OPTION B
AMENDMENTS TO
ACCOMMODATE 20.0M AV.



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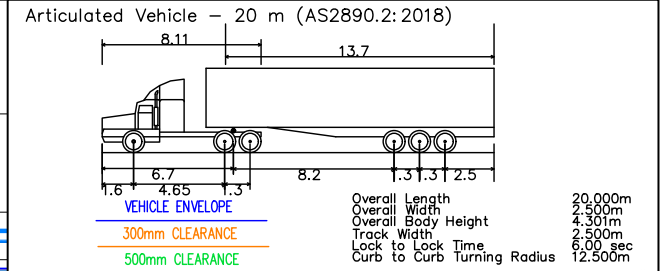
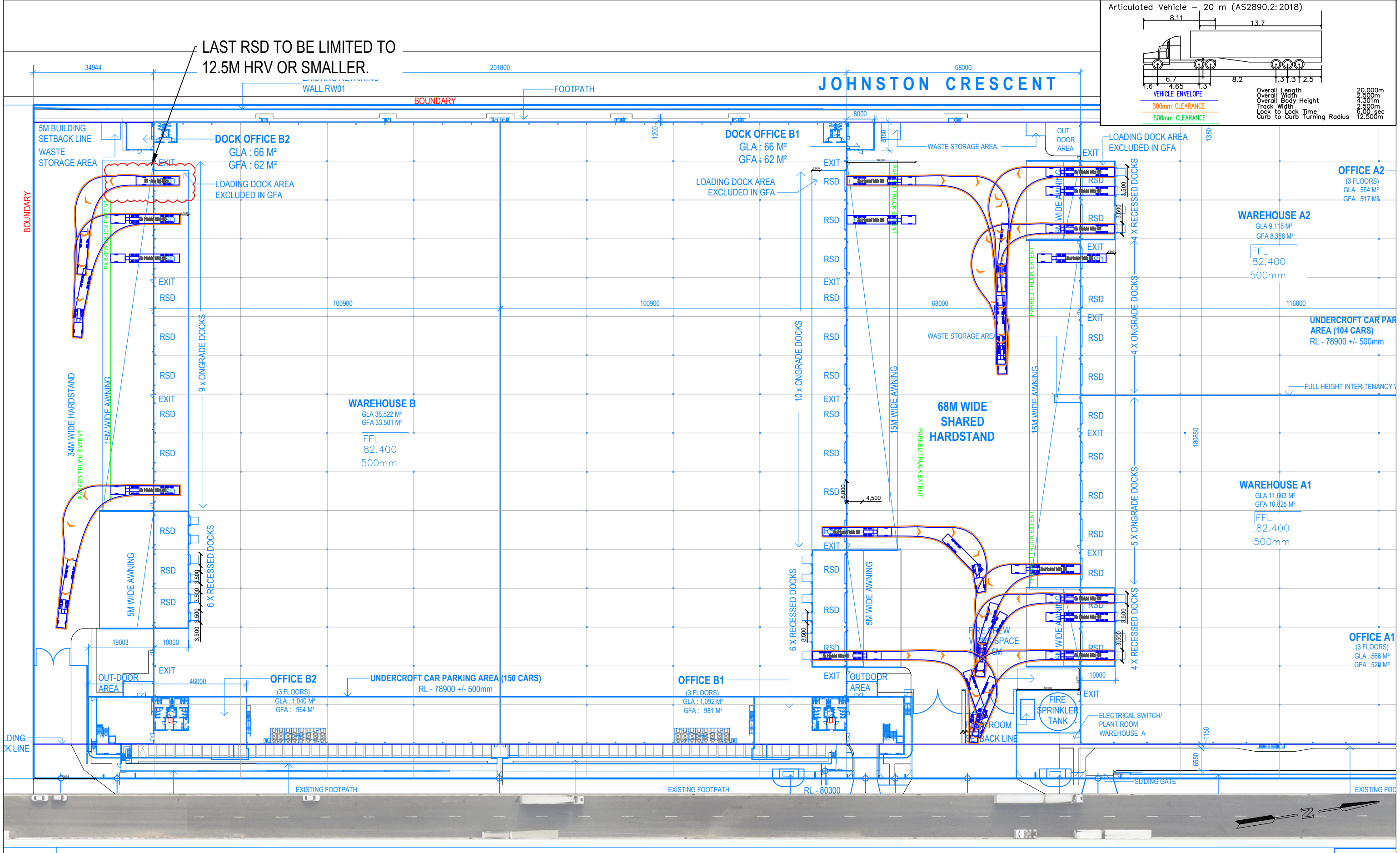
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Jensen Wu	A3	ESR Australia	SWEEP PATH ASSESSMENT	
APPROVED BY	DATE	PROJECT	ACCESS DRIVEWAY	
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SCALE		3 Johnston Crescent, Horsley Park	AG2521-02-v03.dwg	SHEET
1:500			AG03	AG03



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	APPROVED BY X.XXXX	DATE 03.07.2024	PROJECT P2521	SWEEP PATH ASSESSMENT	
	SCALE 1:1000		3 Johnston Crescent, Horsley Park	FILE NAME AG2521-02-v03.dwg	SHEET AG05
				HARDSTAND	

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SIGHT DISTANCE REQUIREMENTS.

1. PEDESTRIAN SIGHT DISTANCE
- 1.1. MINIMUM DIMENSION OF 2.5M IN LENGTH AND 2.0M IN WIDTH.

1.2. AREA SHOWN BY HATCHED AREA AT EACH DRIVEWAY, SHALL BE CLEAR OF ALL VISUAL OBSTRUCTIONS HIGHER THAN 500MM.
2. ONCOMING TRAFFIC SIGHT DISTANCE
- 2.1. TO ACHIEVE SIGHT DISTANCE REQUIREMENT FOR 5 SECOND GAP AT A FRONTAGE ROAD SPEED OF 50KM/H, 69M IS REQUIRED.

2.2. ENSURE NO SIGHT OBSTRUCTION ABOVE 1.15M WITHIN THIS AREA.

NOTE: ENSURE ALL COLUMNS ARE LOCATED CLEAR OF DESIGN ENVELOPE SHOWN. ADDITIONALLY, REFER TO AG10 FOR FIGURE 5.2 AS PER AS2890.1:2004.

TYPE 1 SPEED HUMP, SPACED 30-50M BETWEEN EACH OTHER TO BE PROVIDED IN DETAILED DESIGN. REFER AG10 FOR CROSS-SECTION.

AS2890.1:2004 REQUIRES SPEED CONTROL (I.E. SPEED HUMP) FOR CAR PARKING AISLES LONGER THAN 100M.

NOTES.

- AS2890.4:2004 - CAR PARKING
- USER CLASS 2 PARKING GENERALLY PROVIDED

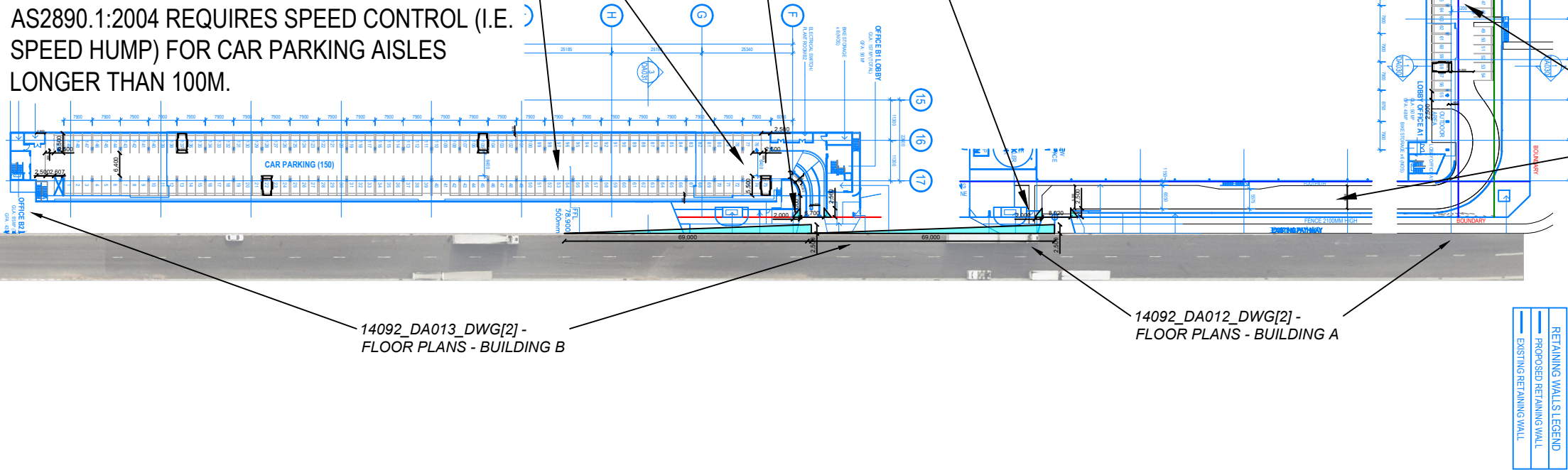
-- 2.5M IN SPACE WIDTH

-- 5.5M IN SPACE LENGTH

-- 6.2M-6.4M PARKING AISLE
- MAXIMUM CHANGE IN GRADE FOR CARS SHOULD BE 1:8 (12.5%) OVER 2M
- MAXIMUM GRADE ON RAMPS FOR CARS TO A 'PUBLIC' CAR PARK SHOULD BE 1:5 (20%) MAXIMUM FOR RAMPS UP TO 20M LONG.
- GRADES SHOULD BE MEASURED ALONG THE SHORTEST DISTANCE BETWEEN RLs: i.e. ON CURVED RAMPS THE GRADE SHOULD BE MEASURED ALONG THE INSIDE KERB.
- MINIMUM HEIGHT CLEARANCE OF 2.2M SHOULD BE PROVIDED ABOVE PARKING SPACES.
- MINIMUM HEIGHT CLEARANCE OF 2.5M SHOULD BE PROVIDED ABOVE ACCESSIBLE PARKING SPACES.

TYPE 1 SPEED HUMP, SPACED 30-50M BETWEEN EACH OTHER TO BE PROVIDED IN DETAILED DESIGN. REFER AG10 FOR CROSS-SECTION.

AS2890.1:2004 REQUIRES SPEED CONTROL (I.E. SPEED HUMP) FOR CAR PARKING AISLES LONGER THAN 100M.



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APPROVED BY	X.XXXX	DATE	03.07.2024	PROJECT	P2521
SCALE	1:1500	NTS			3 Johnston Crescent, Horsley Park

DOCUMENT INFORMATION

GENERAL ASSESSMENT

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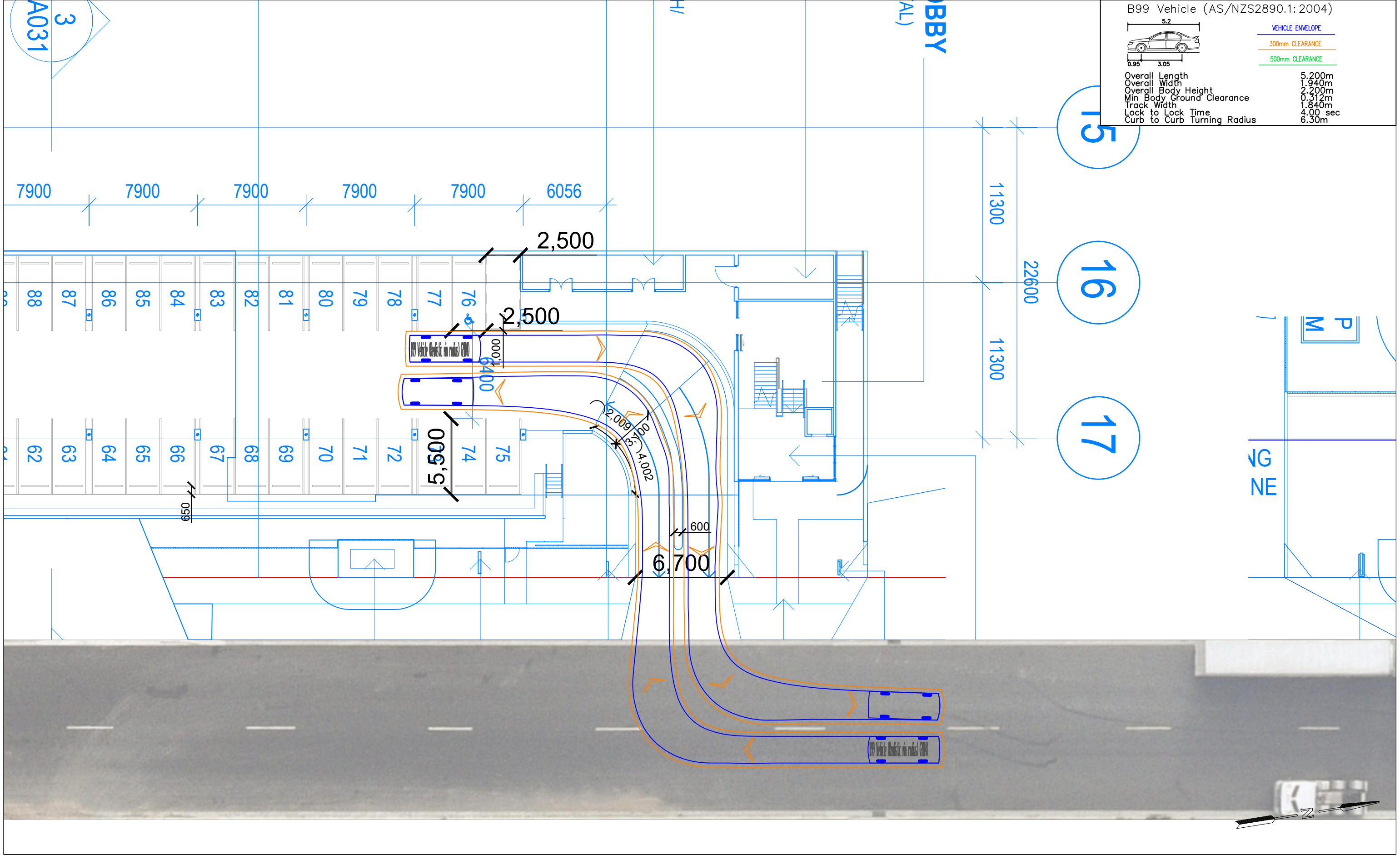
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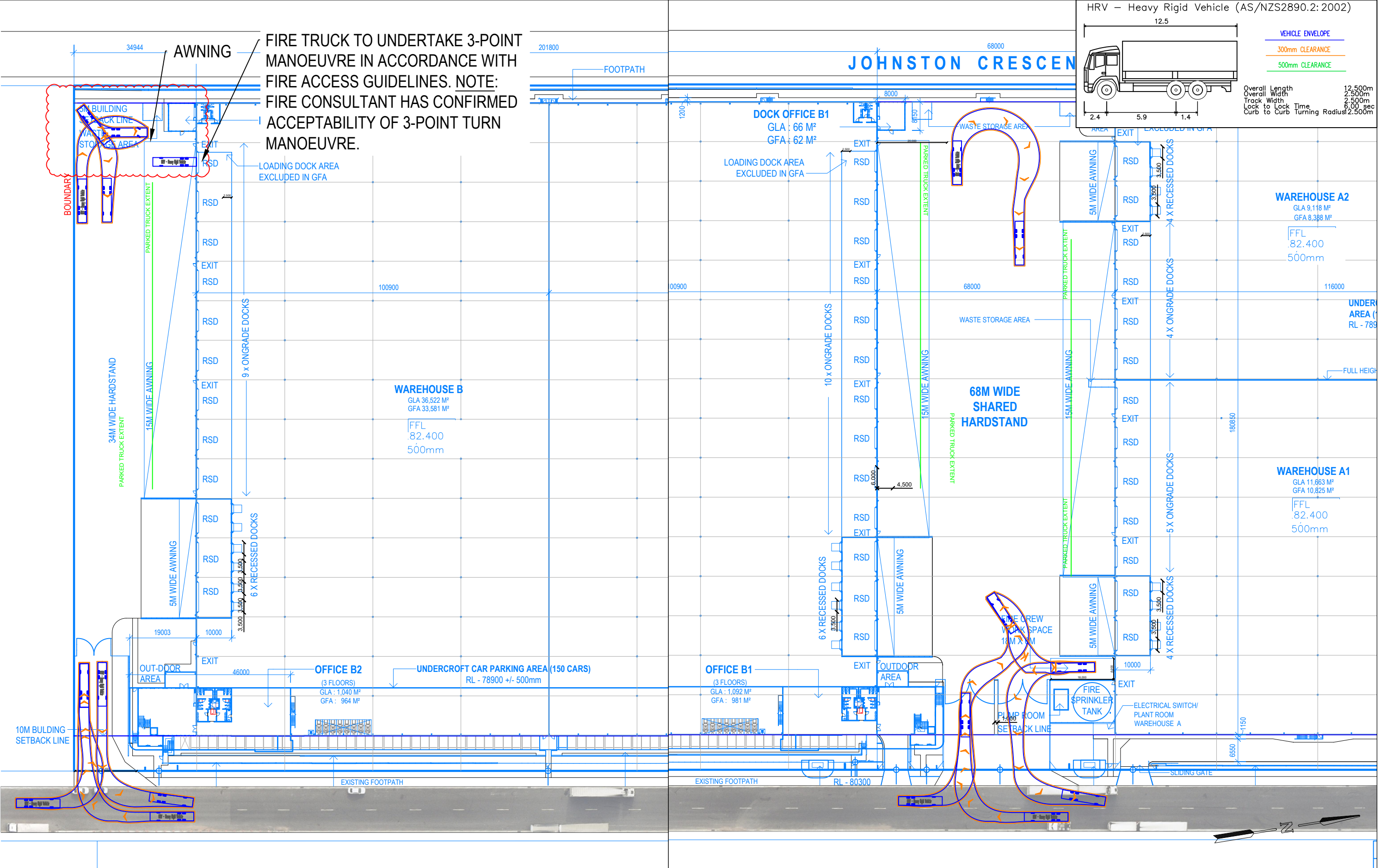
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	APPROVED BY X.XXXX	DATE 03.07.2024	PROJECT P2521	SWEEP PATH ASSESSMENT		
	SCALE 1:250	02.55	3 Johnston Crescent, Horsley Park	ACCESS DRIVEWAY	FILE NAME AG2521-02-v03.dwg SHEET AG07	

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APPROVED BY X.XXXX	DATE 03.07.2024	PROJECT P2521
SCALE 1:1000	048	3 Johnston Crescent, Horsley Park

DOCUMENT INFORMATION

SWEPT PATH ASSESSMENT

SPECIALIST FIRE APPLIANCE CIRCULATION (12.5M HRV)

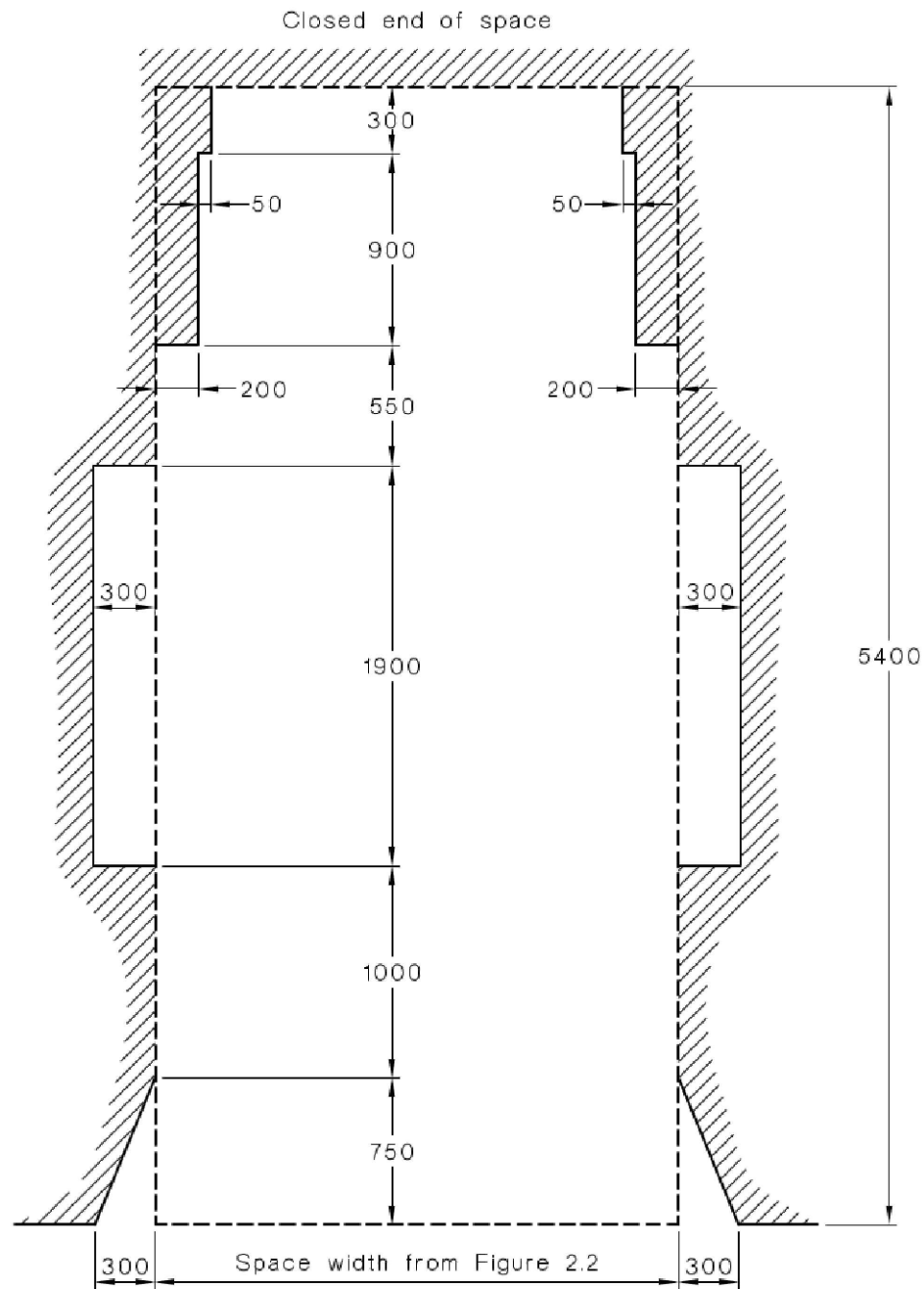
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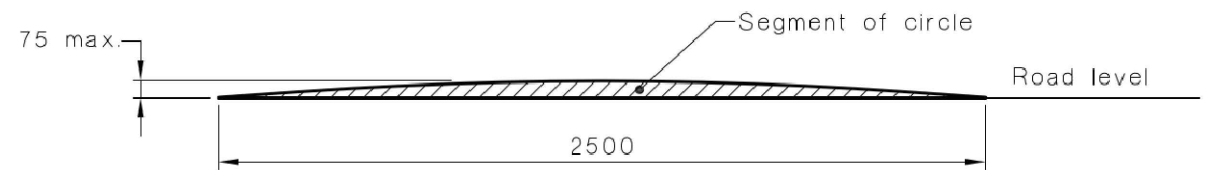


NOTE: The design envelope provides for structural elements to be clear of all four side doors.

DIMENSIONS IN MILLIMETRES

FIGURE 5.2 DESIGN ENVELOPE AROUND PARKED VEHICLE TO BE KEPT CLEAR OF COLUMNS, WALLS AND OBSTRUCTIONS

AS2890.1-2004 - DESIGN ENVELOPE FOR PARKING SPACE



(a) Type 1 road hump

AS2890.1-2004 - TYPE 1 ROAD HUMPS

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DESIGNED
Jensen Wu

APPROVED BY
X.XXXX

SCALE

PAPER SIZE
A3

DATE
03.07.2024

CLIENT
ESR Australia

PROJECT
P2521

3 Johnston Crescent, Horsley Park

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AG10

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