

## M<sup>C</sup>LAREN TRAFFIC ENGINEERING

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Division of RAMTRANS Australia ABN: 45067491678 RPEQ: 19457

Transport Planning, Traffic Impact Assessments, Road Safety Audits, Expert Witness

29 July 2022

Reference: 210916.01FA

Bureau SRH PTY Limited  
Studio 3  
2 Verona Street  
Paddington 2021  
Attention: Jimmy Campbell

### LETTER OF ADVICE FOR THE PROPOSED WYVERN HOSPITAL AT 33 MYOORA ROAD, TERREY HILLS

Dear Jimmy,

Reference is made to your request to provide a compliance letter of advice in relation to the amended plans for the proposed Wyvern Hospital at 33 Myoora Road, Terrey Hills, with proposed plans depicted in **Annexure A** for reference.

This letter of advice relates to the following:

- Confirmation ramp gradients are all compliant (change resulting from lowering of the loading dock RL).
- Confirmation that an MRV works for the loading dock.
- Confirmation that the Fire Hard Stand areas are all workable (including the splay width of the driveway crossover).

The proposed plans have been assessed, with the entry and exit movements for an 8.8m length medium rigid vehicle into and out of the loading dock and a 14m length Articulated Vehicle tested for the entry and exit from the fire hard stand area. The swept paths results are reproduced in **Annexure B** for reference, which outline successful entry and exit vehicular movements, subject to the provision of parking restrictions to facilitate the entry and exit of the 14m length Articulated Vehicle.

Approximately 20m length of kerbside parking restrictions either side of the vehicle crossover on the eastern side of the road will be required to ensure the safe entry and exit of the 14m length Articulated Vehicle. It is recommended that the parking restrictions align with the time and day of delivery rather than a restriction to parking at all times of the day, to limit the removal of on-street car parking.

The swept path analysis has been performed using AutoCAD's Vehicle Tracking software package. Whilst the plans have been assessed to generally comply, it is usual and expected that a design certificate is provided prior to construction to account for any design changes during and after the development application stage.

The ramp grades to the loading dock have been assessed against the requirements of AS2890.2:2018 for up to an 8.8m length Medium Rigid Vehicle and the ramp provides for the following:

- Maximum grade changes of 6.25% in line with AS2890.2:2018 requirements;
- Minimum transition length of 6m which is 1m short of the requirements within AS2890.2:2018:
  - Undercarriage vertical clearance testing has been undertaken to support the variation which is permissible under Clause 3.3.4.3 of AS2890.2:2018.

Whilst the plans have been assessed to comply with the relevant standards, it is usual and expected that a design certificate be required at the Construction Certificate stage to account for any changes following the development application. In addition,

Please contact the undersigned on 9521 7199 should you require further information or assistance.

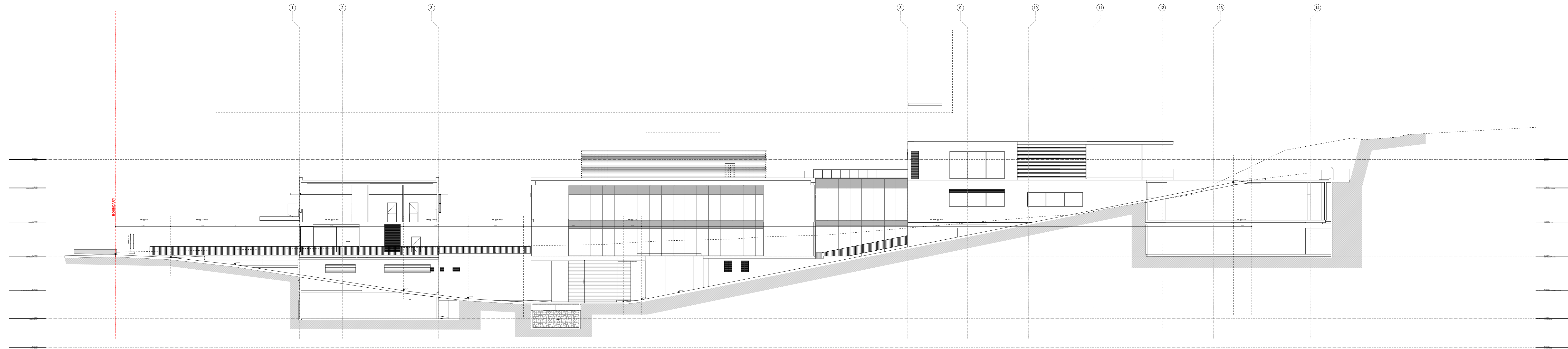
Yours faithfully,

**McLaren Traffic Engineering**  
**Matthew M<sup>C</sup>Carthy**  
Senior Traffic Engineer  
BE Civil Engineering  
Masters of Engineering Science  
RMS Accredited Level 2 Road Safety Auditor  
RMS Accredited Work Zone Traffic Management Plan Designer and Inspector





**ANNEXURE A: PROPOSED PLANS  
(3 SHEETS)**



3 SECTION AA THROUGH RAMP  
1:200

NOTE: THESE PLANS HAVE NOT BEEN COORDINATED WITH CURRENT STRUCTURAL DOCUMENTS AND ARE SUBJECT TO CHANGE

NOT FOR CONSTRUCTION

**BUREAU SRH | architecture**

NOMINATED ARCHITECT: SIMON HANSON # 6739

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LEGEND:

**WYVERN PRIVATE HOSPITAL**

REV	DATE	NAME
01 - WIP		Work in Progress
		Not in Issue

**4A Larool Road, Terrey Hills**

STAGE:  
**SECTION 4.55**

SCALE @ A0:  
**1:200**

DRAWING TITLE:  
**SECTIONS-SHEET 01**

CLIENT: **Wyvern Health** | CHECKED: **SRH**  
DRAWN: **JC** | APPROVED: **SRH**

PROJECT No: **16082**

DRAWING No:

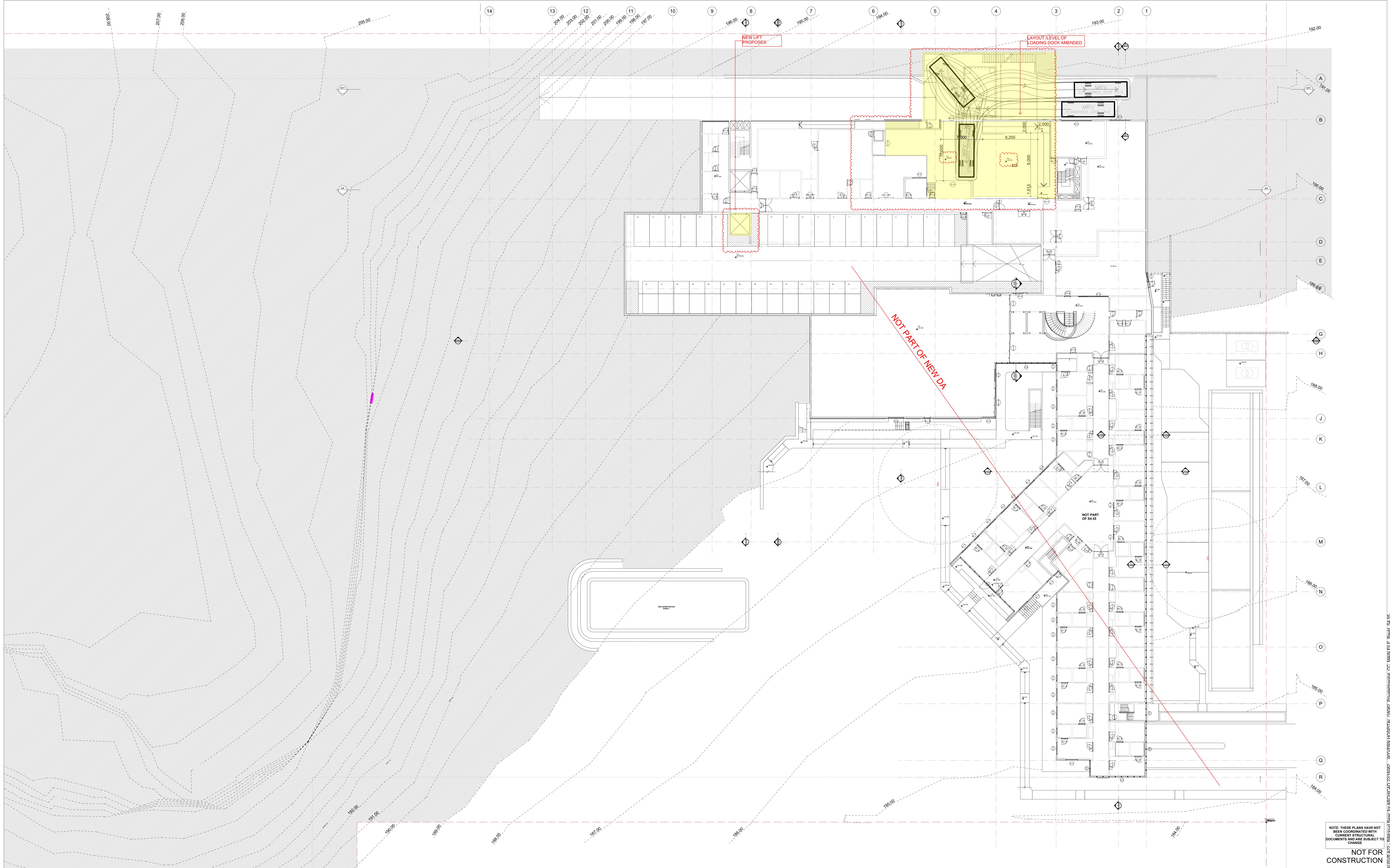
**403**

REVISION:

**01 - WIP**

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REV	DATE	NAME
01 -	WIP	Work in Progress
		Not in Issue

**WYVERN PRIVATE HOSPITAL**  
 4A Larool Road, Terrey Hills  
 PROJECT No: 16082

STAGE:  
**SECTION 4.55**

DRAWING TITLE:  
**LOWER GROUND FLOOR PLAN**

DRAWING No:  
**396**

SCALE @ A0:  
**1:200**

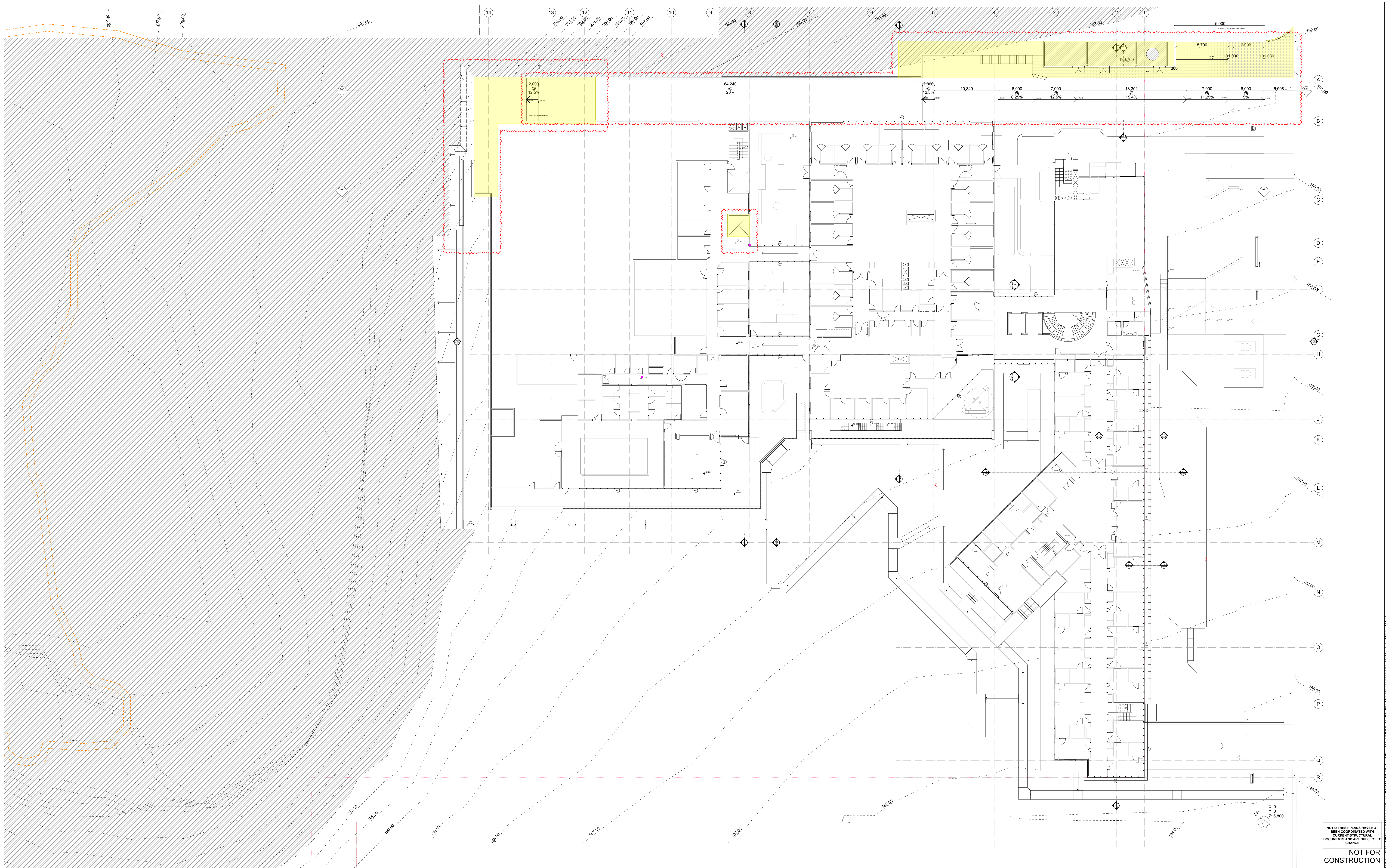
CLIENT: **Wyvern Health**  
 DRAWN: **JC**

CHECKED: **SRH**  
 APPROVED: **SRH**

REVISION:  
**01 - WIP**

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NOTE: THESE PLANS HAVE NOT BEEN COORDINATED WITH CURRENT STRUCTURAL DOCUMENTS AND ARE SUBJECT TO CHANGE

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REV	DATE	NAME
01 -	WIP	Work in Progress
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**WYVERN PRIVATE HOSPITAL**

4A Larool Road, Terrey Hills

REV	DATE	NAME
01 -	WIP	Work in Progress
		Not in Issue

PROJECT No: **16082**

DRAWING TITLE: **SECTION 4.55 GROUND FLOOR PLAN**

DRAWING No: **397**

REVISION: **01 - WIP**

STAGE: **SECTION 4.55**

SCALE @ A0: **1:200**

CLIENT: **Wyvern Health**

CHECKED: **SRH**

DRAWN: **JC**

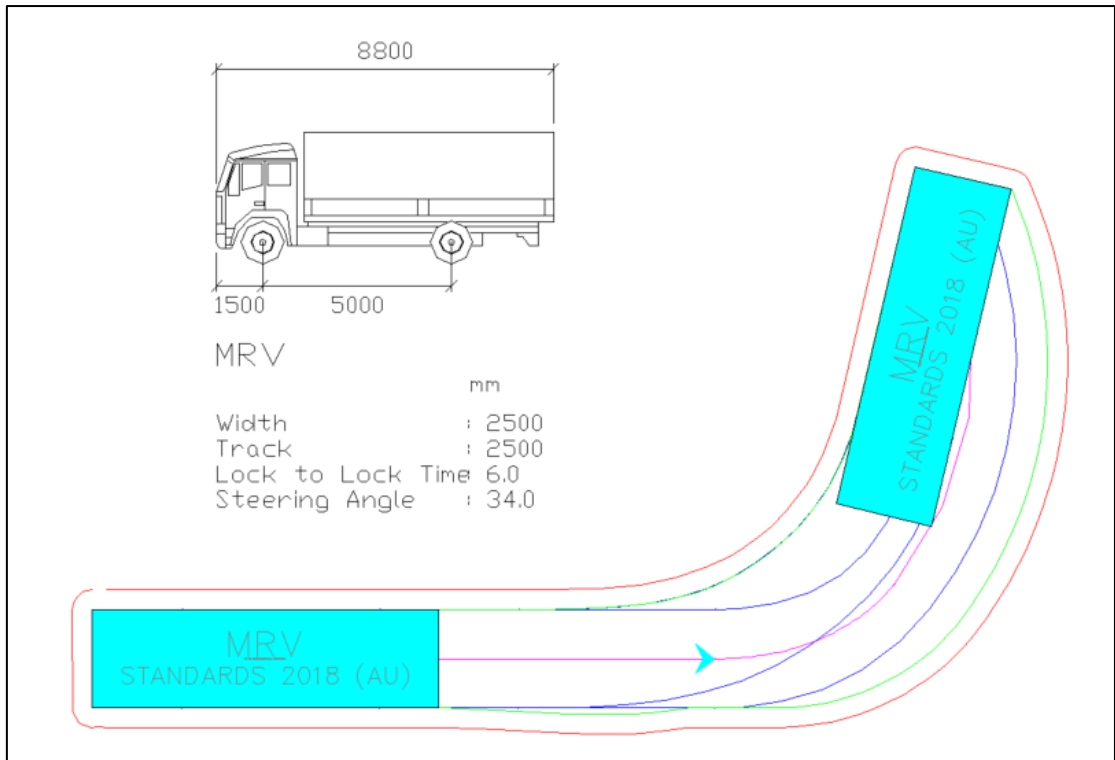
APPROVED: **SRH**

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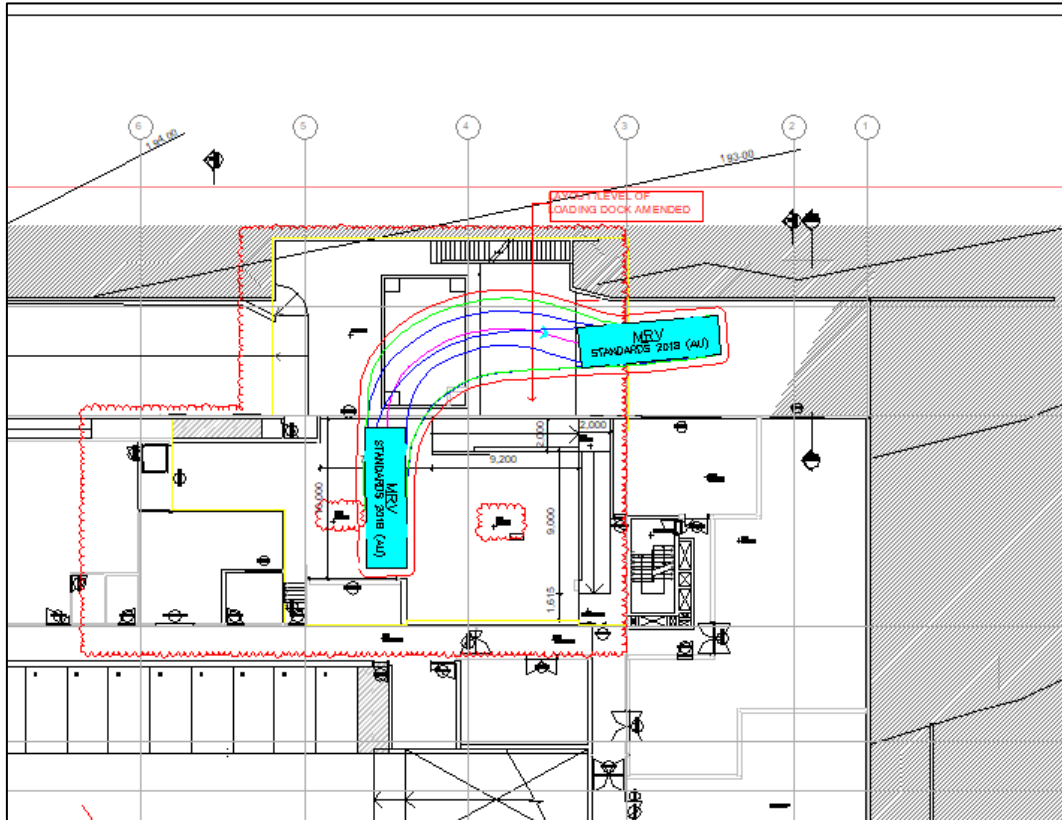
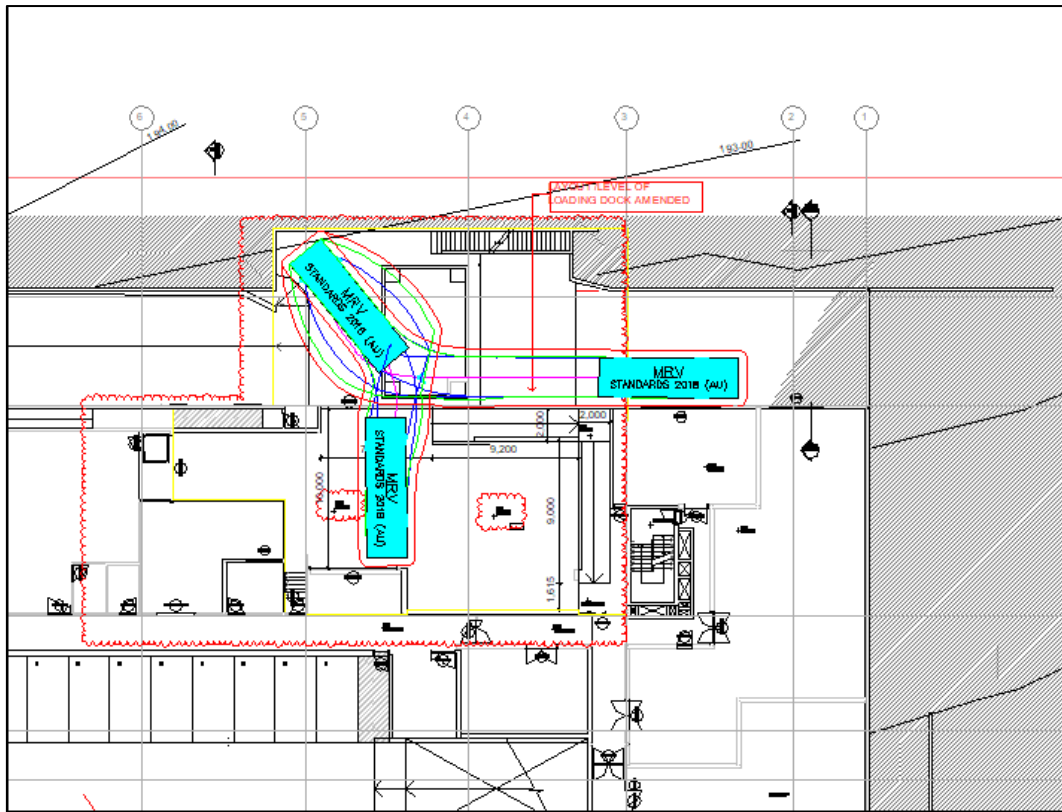
**ANNEXURE B: SWEEP PATH TESTING & RAMP TESTING  
(6 SHEETS)**



**AUSTRALIAN STANDARD MEDIUM RIGID VEHICLE (MRV)**

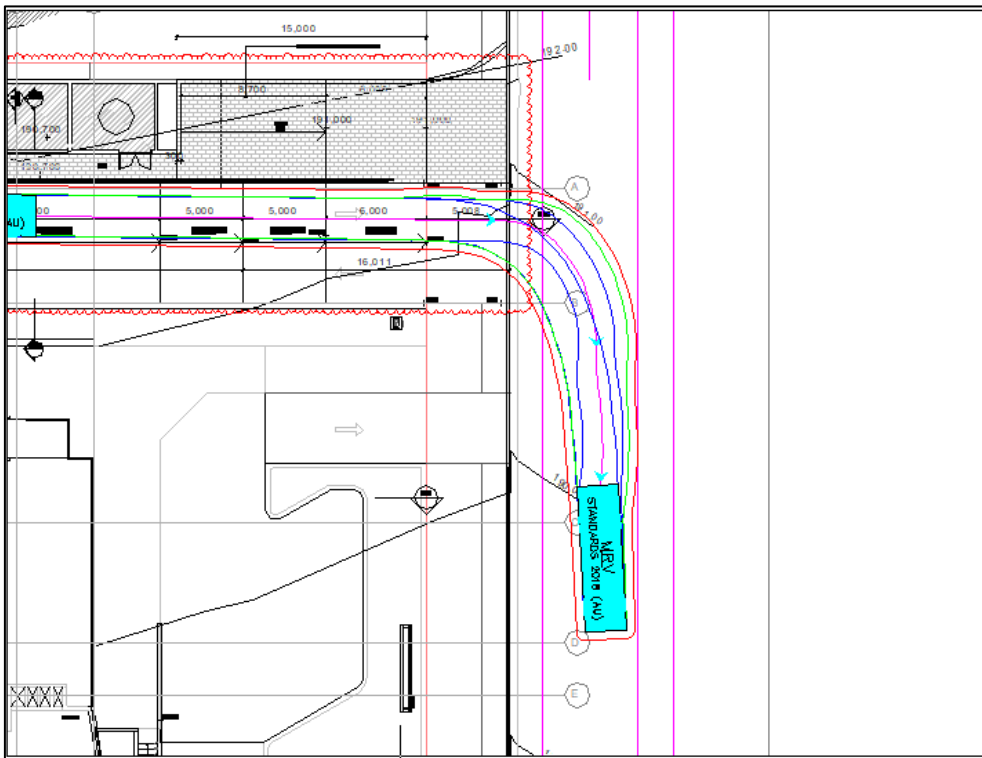
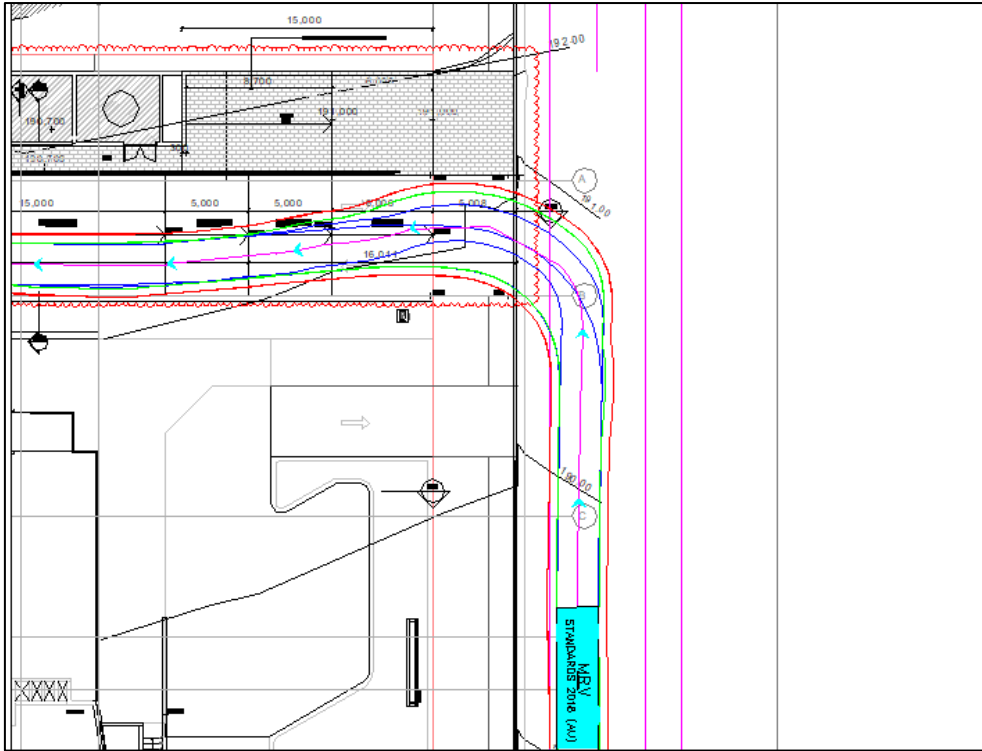
Blue – Tyre Path  
 Green – Vehicle Body  
 Red – 500mm Clearance





**REVERSE ENTRY AND FORWARD EGRESS FROM LOADING BAY**

**SUCCESSFUL**



**8.8M LENGTH MRV ENTRY AND EXIT FROM SITE DRIVEWAY**

**SUCCESSFUL**

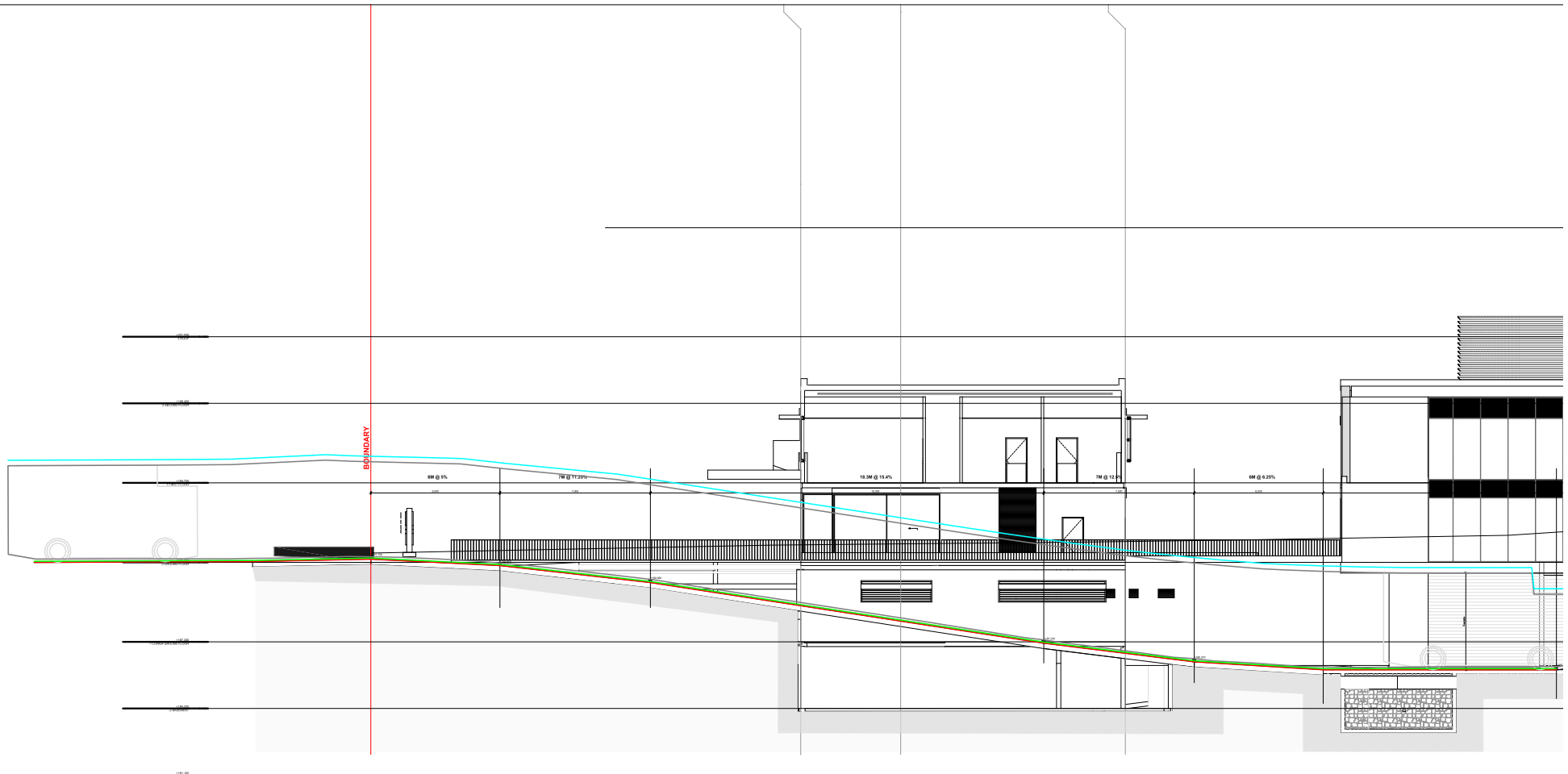




**14M LENGTH ARTICULATED VEHICLE REVERSE ENTRY AND FORWARD EXIT FROM  
HARDSTAND AREA**

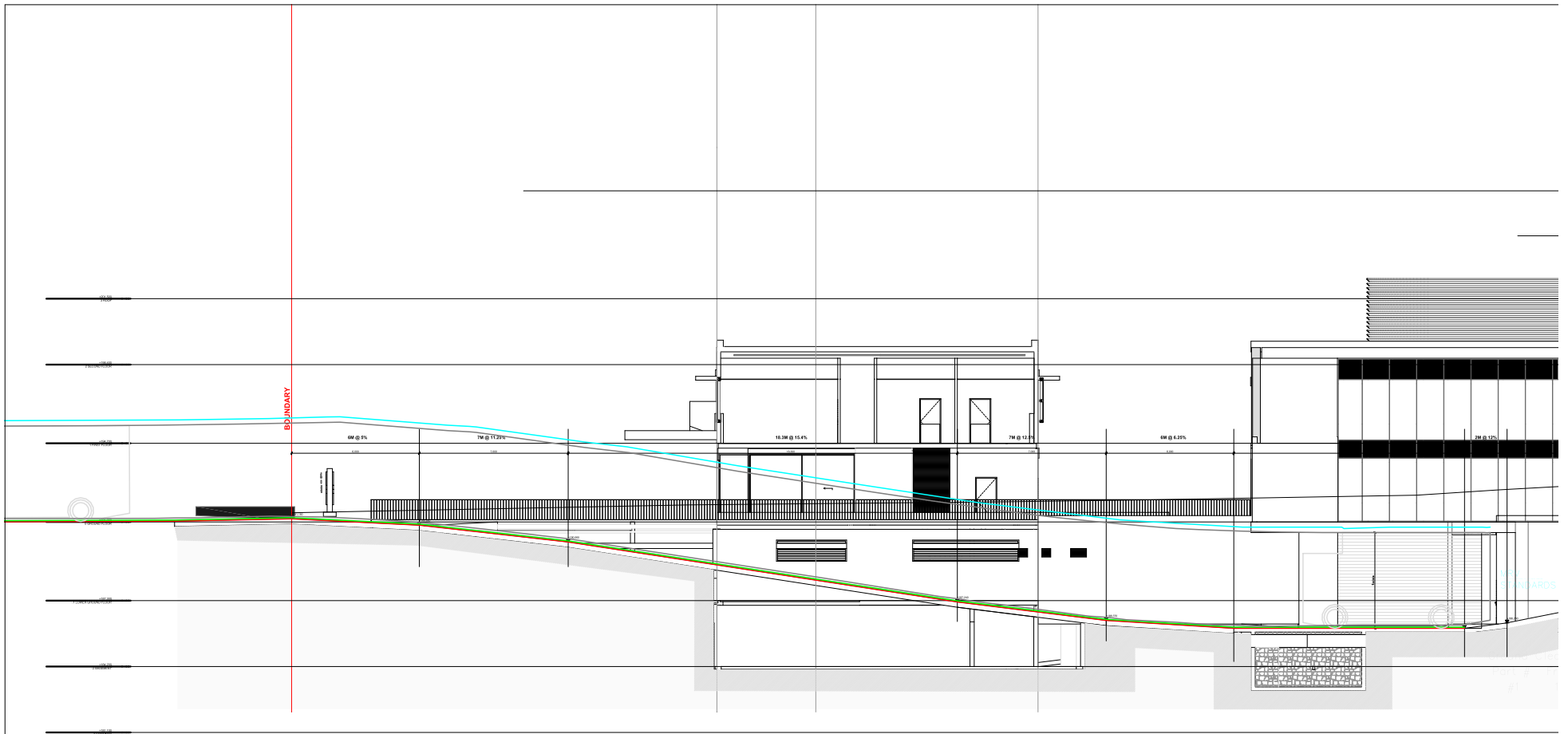
**SUCCESSFUL – SUBJECT TO THE PROVISION OF PARKING RESTRICTIONS TO ENSURE  
ROAD RESERVE IS AVAILABLE FOR MANOEUVRING INTO AND OUT OF THE SITE  
DRIVEWAY**

**20M PARKING RESTRICTIONS ARE RECOMMENDED EITHER SIDE OF THE DRIVEWAY  
FOR ENTRY AND EXIT MOVEMENTS**



50mm Undercarriage Clearance is achieved in accordance with Clause 3.3.4.3





50mm Undercarriage Clearance is achieved in accordance with Clause 3.3.4.3