

TRANSPORT AND TRAFFIC PLANNING ASSOCIATES

Suite 502, Level 5, 282 Victoria Avenue, Chatswood NSW 2067 **P** (02) 9411 5660 **F** (02) 9904 6622 **W** ttpa.com.au **E** bernard@ttpa.com.au

27 October 2021 Our Ref: 540/2020

Austino

Mr. Russel Strahle
Development Manager
Email: russel@austino.com.au

Dear Russel,

Re: 1 & 2 Murray Avenue, Olympic Park
Proposed S4.55 Modification
Traffic Impact Statement

Background

A development consent was granted in 2019 (SSD 9403) for a proposal on the site that involves two residential apartment buildings comprising 293 units and 330 basement car parking spaces.

The approved scheme was supported by a Traffic and Parking Impact assessment prepared by PTW (26 October 2018). This report documents an assessment of the adequacy/suitability of the proposed traffic and parking-related amendments.

Proposal

The overall quantum of apartments and car parking spaces will be retained. Instead, the proposed S4.55 Modification seeks consent to amend the following traffic and parking-related elements in the approved development scheme:

- Revision to the garbage room/loading area on B1
- Revision to some basement car parking spaces (all parking levels)
- Revision to mega columns' positions (all parking levels)
- Revision to storage areas

Details of the proposed amendments are highlighted on the architectural plans which accompany this submission in Appendix A.

Traffic Engineering | Traffic Signal Design | Road Safety Audit

Assessment

Traffic Generation

The proposal will retain the approved development yield. Therefore, its traffic generation outcome will not differ from the satisfactory outcome already established in the PTW assessment report.

Car Park Design

The access driveways and internal circulation arrangement and layout will be consistent with the approved layout. However, the loading area and car parking aisles will be amended due to changes made to a number of structural columns and storage cages.

An assessment of the amended garbage room/loading area confirms the proposed arrangement can continue to accommodate the access manoeuvre of the design vehicle, i.e., an 8.8m MRV with no undue difficulty. This is indicated below and on the swept path diagrams reproduced in Appendix B of this submission.



The assessment identified two primary areas in the car park that will have a substandard aisle width. The following table summarises the issue and resolution.

While these areas will be subject to some restrictions in terms of vehicular access manoeuvres, a turning assessment found that these car parking spaces, which are designated for residents only, can continue to operate with no undue inconvenience or access difficulty (see Appendix B – Turning Path Assessment). The level of risks associated with these minor deficiencies are relatively low and can be overcome by the proposed resolution with no undue difficulty. Nevertheless, these non-standard provisions shall be reflected on the relevant apartments' sales and lease agreements to inform the occupants of these constraints duly.

Level/Location	Issue	Resolution
B2 TO STREAM OF THE STREAM OF	Mega column (;;) protrudes into aisle affecting three spaces (●). Aisle width is less than 5.8m.	Assigning the two spaces adjoining the mega column as Small Car spaces. Assigning the green spaces as reverse entry only. Appropriate signage/delineation to be provided during the detail design stage.
B3 The ST Track CAN The ST T	Aisle width is less than 5.8m.	Assigning all two spaces as reverse entry only. Appropriate signage/delineation to be provided during the detail design stage.

On this basis, it is assessed that the proposed car parking amendments in the subject S4.55 Modification are satisfactory and has regard to the design principles of the AS2890.1:2004.

I trust that the assessment is of sufficient clarity for your requirement. Otherwise, please do not hesitate to contact me at 02 9411 5660 to discuss the matter further.

Yours faithfully,

Bernardyslo

Bernard Lo BE(Civil), MTrans, MIEAust

Director

Transport and Traffic Planning Associates

Appendix A

Proposed S4.55 Modification Plans

GENERAL NOTES

- COORDINATION & UPDATE OF REVISED STRUCTURAL COLUMNS & WALLSL UPDATED

- ESSENTAL BUILDING SERVICES ADDED / REVISED / REMOVED
 INTERNAL STORAGE SIZES & LOCATION REVISED / ADDED
 ALL APARTMENT & BALCONY AREAS REVISED DUE TO DESIGN DEVELOPMENT

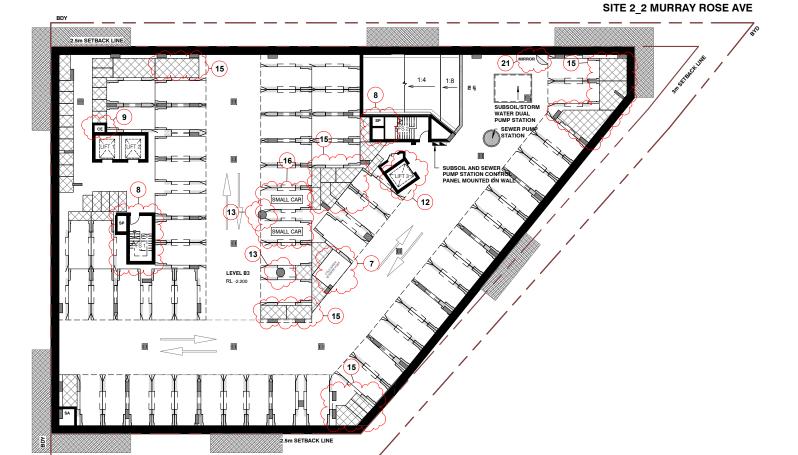
REVISION CLOUD LEGEND

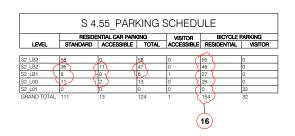
- 1) OVERALL APARTMENT LAYOUT REVISED
- 2 LAUNDRY AND/OR STORAGE LOCATION REVISED
- 3 RESIDENTIAL CORE REVISED, LIFT SIZE ADJUSTED
- 4 BATHROOM AND/OR STORAGE LOCATION/LAYOUT REVISED
- 5 KITCHEN TYPE AND/OR LOCATION REVISED
- 6 BEDROOM LAYOUT REVISED
- 7 LIVABLE / ADAPTABLE/ AFFORDABLE UNIT REVISED, ADDED OR REMOVED
- (8) CORE CONFIGURATION AMENDED & FIRESTAIR EGRESS PATH REVISED
- 9 SERVICES ADDED/REMOVED OR SIZE/LOCATION REVISED
- 11 LEVEL CHANGED DUE TO SLAB THICKNESS CHANGE
- 12 COURTYARD LIFT DESIGN AMENDED / REVISED
- 13 MEGA COLUMN SIZE REVISED AND RELOCATED
- (14) LANDSCAPE REVISED
- 15 BASEMENT STORAGE SIZE/LOCATION REVISED
- 16 BASEMENT CAR PARKING ARRANGEMENT REVISED
- (17) LOBBY DESIGN REVISED
- (18) COURTYARD BALLUSTRADE DESIGN REVISED
- (19) COMMUNAL AREA DESIGN & AMENITIES REVISED
- 20) CARPARK ROLLER DOOR LOCATION REVISED
- (21) ADDITIONAL COVEX MIRROR IN CARPARK

FACADE CHANGES

A GLAZING LOCATION REVISED

B DOOR/WINDOW/LOUVRE ADDED/ OR REMOVED OR SIZE REVISED











Drawing Disclaimer:
Do not scale from drawings.
Verify all dimensions on site before commencing w
Copying or reproduction of this drawing is strictly
prohibited without the consent of PTW Architects

Note
PTW takes no responsibility for external building
elements. Anything connected with any design, materials
selection, construction or installation of any cladding,
facade or external building element must be checked by
and remains the responsibility of others, including
suitably qualified experts as may be required.

25.10.2021 19.03.2019 Revised DA Submission 24.01.2019 Issued for DA Submission 12.10.2018

By Chk* Date

NSW Arch 939

Austino Sydney Olympic Park Pty Ltd



PTW Architects Level 11, 88 Phillip Street Sydney NSW 2000 Australia T +61 2 9232 5877

Peddle Thorp & Walker P/L
ABN 23 000 454 624 S Parsons Architect No.6098
trading as PTW Architects D Jones Architect No.4778



INFORMATION ONLY

1&2 MURRAY ROSE AVE 2 MURRAY ROSE AVENUE

GENERAL ABBREVIATIONS AND LEGEND

CORIDOR VENTILATION
COLD WATER IISER
EKHAUST AIR RISER
ELECTRICAL CUPBOARD
GAS CUPBOARD
HYDRAULICS
HOT WATER
SUPPLY AIR
STAIR RELIEF
STAIR PRESSURISATION
FIRE EXTINGUISHER
FIRE HYDRANT

10-GENERAL ARRANGEMENT PLANS GENERAL ARRANGEMENT PLANS - S2 LEVEL B3

SII VER I IVABI E APARTMENT

D

VISITABLE APARTMENT AFFORDABLE APARTMENT

BALC BALCONY

FIRE RISER
FIRE STAIR
GARBAGE CHUTE
GARBAGE EXHAUST
LOBBY SUPPLY AIR
MECHANICAL SHAFT
RECYCLE BIN
RECYCLE BIN EXHAUST
RAIN WATER OUTLET
STORM WATER PIT

STORAGE/BICYCLE CAGE

DA-10-4700

GENERAL NOTES

- COORDINATION & UPDATE OF REVISED STRUCTURAL COLUMNS & WALLSL UPDATED

- ESSENTAL BUILDING SERVICES ADDED / REVISED / REMOVED
 INTERNAL STORAGE SIZES & LOCATION REVISED / ADDED
 ALL APARTMENT & BALCONY AREAS REVISED DUE TO DESIGN DEVELOPMENT

REVISION CLOUD LEGEND

- 1) OVERALL APARTMENT LAYOUT REVISED
- 2 LAUNDRY AND/OR STORAGE LOCATION REVISED
- 3 RESIDENTIAL CORE REVISED, LIFT SIZE ADJUSTED
- 4 BATHROOM AND/OR STORAGE LOCATION/LAYOUT REVISED
- 5 KITCHEN TYPE AND/OR LOCATION REVISED
- 6 BEDROOM LAYOUT REVISED
- 7 LIVABLE / ADAPTABLE/ AFFORDABLE UNIT REVISED, ADDED OR REMOVED
- (8) CORE CONFIGURATION AMENDED & FIRESTAIR EGRESS PATH REVISED
- 9 SERVICES ADDED/REMOVED OR SIZE/LOCATION REVISED
- 11 LEVEL CHANGED DUE TO SLAB THICKNESS CHANGE
- 12 COURTYARD LIFT DESIGN AMENDED / REVISED
- 13 MEGA COLUMN SIZE REVISED AND RELOCATED
- (14) LANDSCAPE REVISED
- 15 BASEMENT STORAGE SIZE/LOCATION REVISED
- 16 BASEMENT CAR PARKING ARRANGEMENT REVISED
- (17) LOBBY DESIGN REVISED
- (18) COURTYARD BALLUSTRADE DESIGN REVISED
- (19) COMMUNAL AREA DESIGN & AMENITIES REVISED
- 20) CARPARK ROLLER DOOR LOCATION REVISED
- (21) ADDITIONAL COVEX MIRROR IN CARPARK

FACADE CHANGES

A GLAZING LOCATION REVISED

B DOOR/WINDOW/LOUVRE ADDED/ OR REMOVED OR SIZE REVISED







Drawing Disclaimer:
Do not scale from drawings.
Verify all dimensions on site before commencing w
Copying or reproduction of this drawing is strictly
prohibited without the consent of PTW Architects

Note
PTW takes no responsibility for external building
elements. Anything connected with any design, materials
selection, construction or installation of any cladding,
facade or external building element must be checked by
and remains the responsibility of others, including
suitably qualified experts as may be required.

25.10.2021 19.03.2019 Revised DA Submission 24.01.2019 Issued for DA Submission 12.10.2018 NSW Arch 939

Austino Sydney Olympic Park Pty Ltd



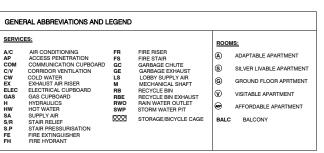
PTW Architects Level 11, 88 Phillip Street Sydney NSW 2000 Australia T +61 2 9232 5877



Peddle Thorp & Walker P/L
ABN 23 000 454 624 S Parsons Architect No.6098
trading as PTW Architects D Jones Architect No.4778



INFORMATION ONLY



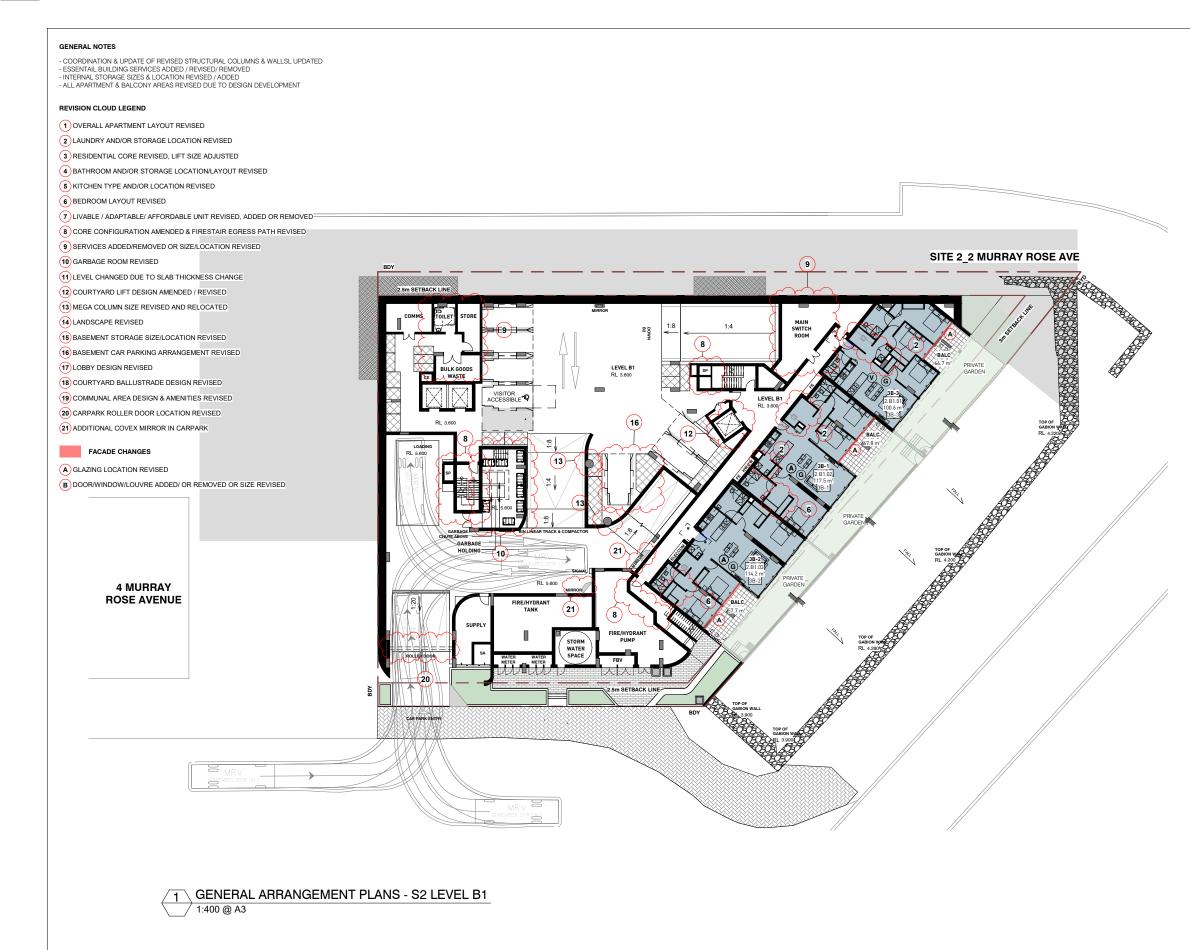
S 4.55 PARKING SCHEDULE

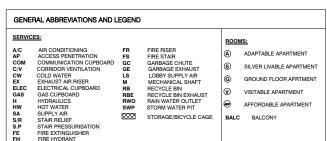
(12)

Title
10-GENERAL ARRANGEMENT PLANS GENERAL ARRANGEMENT PLANS

D

- S2 LEVEL B2 DA-10-4800





S 4.55 PARKING SCHEDULE

(12)

EXHAUST AIR RISER
ELECTRICAL CUPBOARD
GAS CUPBOARD
HYDRAULICS
HOT WATER
SUPPLY AIR
STAIR RELIEF
STAIR PRESSURISATION
FIRE EXTINGUISHER
FIRE HYDRANT As @ A1 indicated Project PA015288

Do not scale from drawings.

Verify all dimensions on site before commencing w.

Copying or reproduction of this drawing is strictly
prohibited without the consent of PTW Architects Note
PTW takes no responsibility for external building
elements. Anything connected with any design, materials
selection, construction or installation of any cladding,
facade or external building element must be checked by
and remains the responsibility of others, including
suitably qualified experts as may be required.

25.10.2021 04.06.2019 19.03.2019 24.01.2019 12.10.2018 NSW Arch 939

PTW Architects Austino Sydney Olympic Park Pty Ltd Level 11, 88 Phillip Street Sydney NSW 2000 Australia T +61 2 9232 5877



Peddle Thorp & Walker P/L
ABN 23 000 454 624
trading as PTW Architects

Parsons Architect No.6098
D Jones Architect No.4778

1&2 MURRAY ROSE AVE 2 MURRAY ROSE AVENUE

INFORMATION ONLY

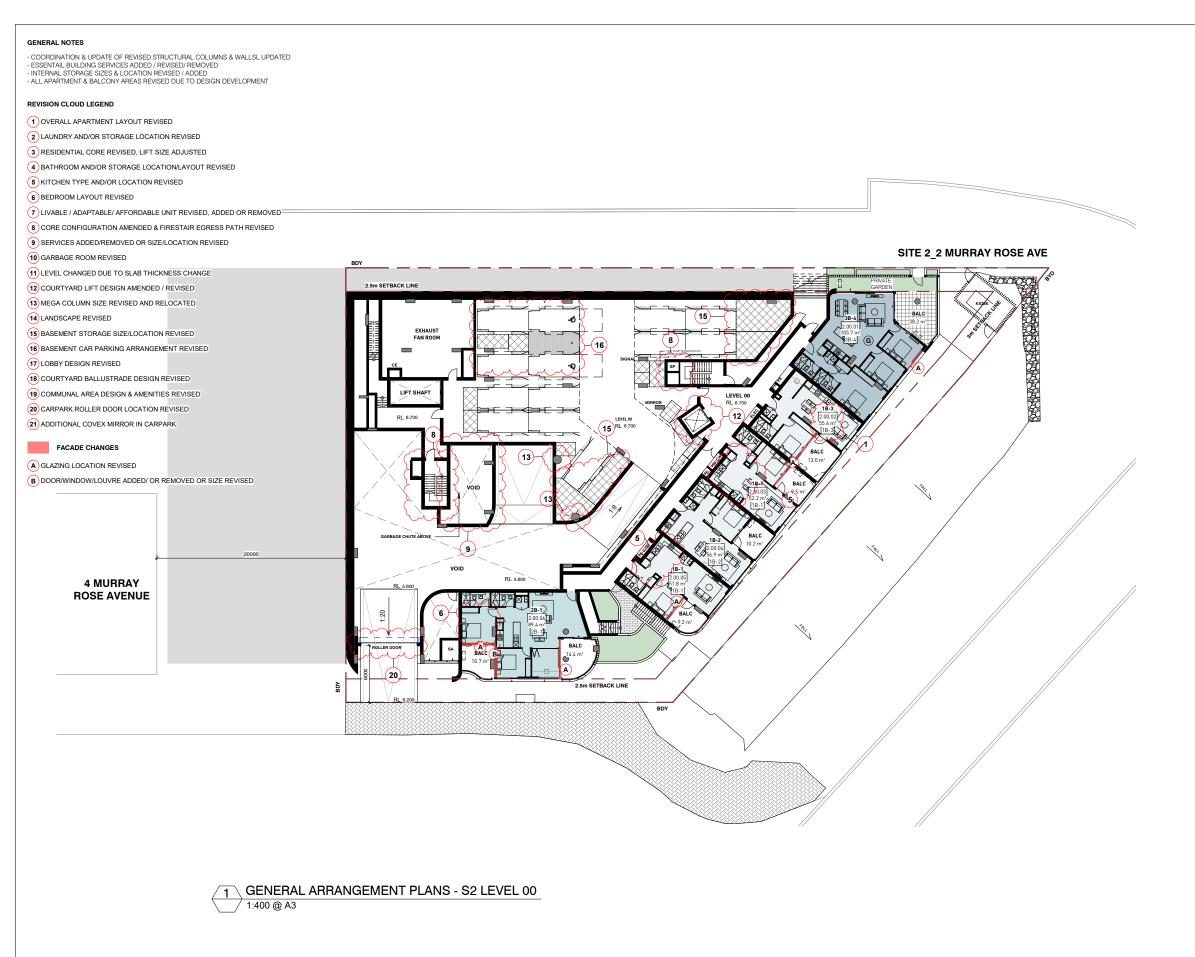
10-GENERAL ARRANGEMENT PLANS GENERAL ARRANGEMENT PLANS

DA-10-4900

Revised DA Submission Revised DA Submission

SYDNEY OLYMPIC PARK, NSW

- S2 LEVEL B1

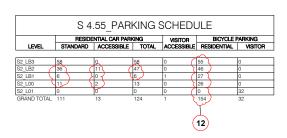


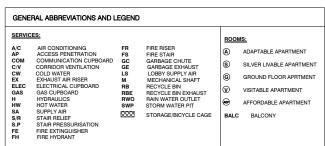
NSW Arch 939

25.10.2021 19.03.2019

24.01.2019

12.10.2018





As @ A1 indicated Project PA015288 **1&2 MURRAY ROSE AVE** 2 MURRAY ROSE AVENUE

SYDNEY OLYMPIC PARK, NSW

INFORMATION ONLY

10-GENERAL ARRANGEMENT PLANS GENERAL ARRANGEMENT PLANS - S2 LEVEL 00

DA-10-5000

AUSTINO

Austino Sydney Olympic Park Pty Ltd

PTW Architects

T +61 2 9232 5877

Level 11, 88 Phillip Street

Sydney NSW 2000 Australia

Peddle Thorp & Walker P/L
ABN 23 000 454 624 S Parsons Architect No.6098
trading as PTW Architects D Jones Architect No.4778

Do not scale from drawings.

Verify all dimensions on site before commencing w.

Copying or reproduction of this drawing is strictly
prohibited without the consent of PTW Architects

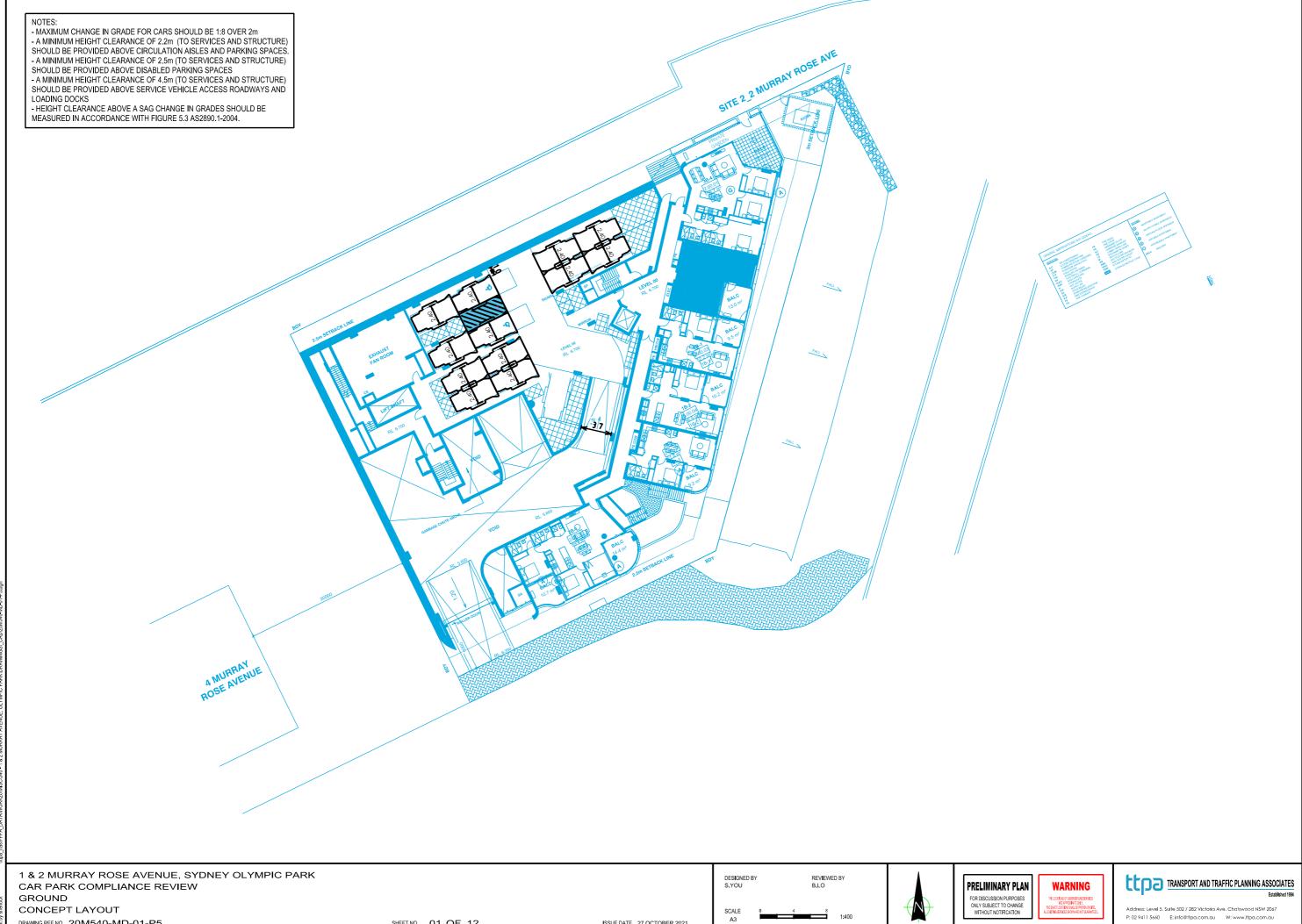
Note
PTW takes no responsibility for external building
elements. Anything connected with any design, materials
selection, construction or installation of any cladding,
facade or external building element must be checked by
and remains the responsibility of others, including
suitably qualified experts as may be required.

Revised DA Submission

Issued for DA Submission

Appendix B

Turning Path Diagrams



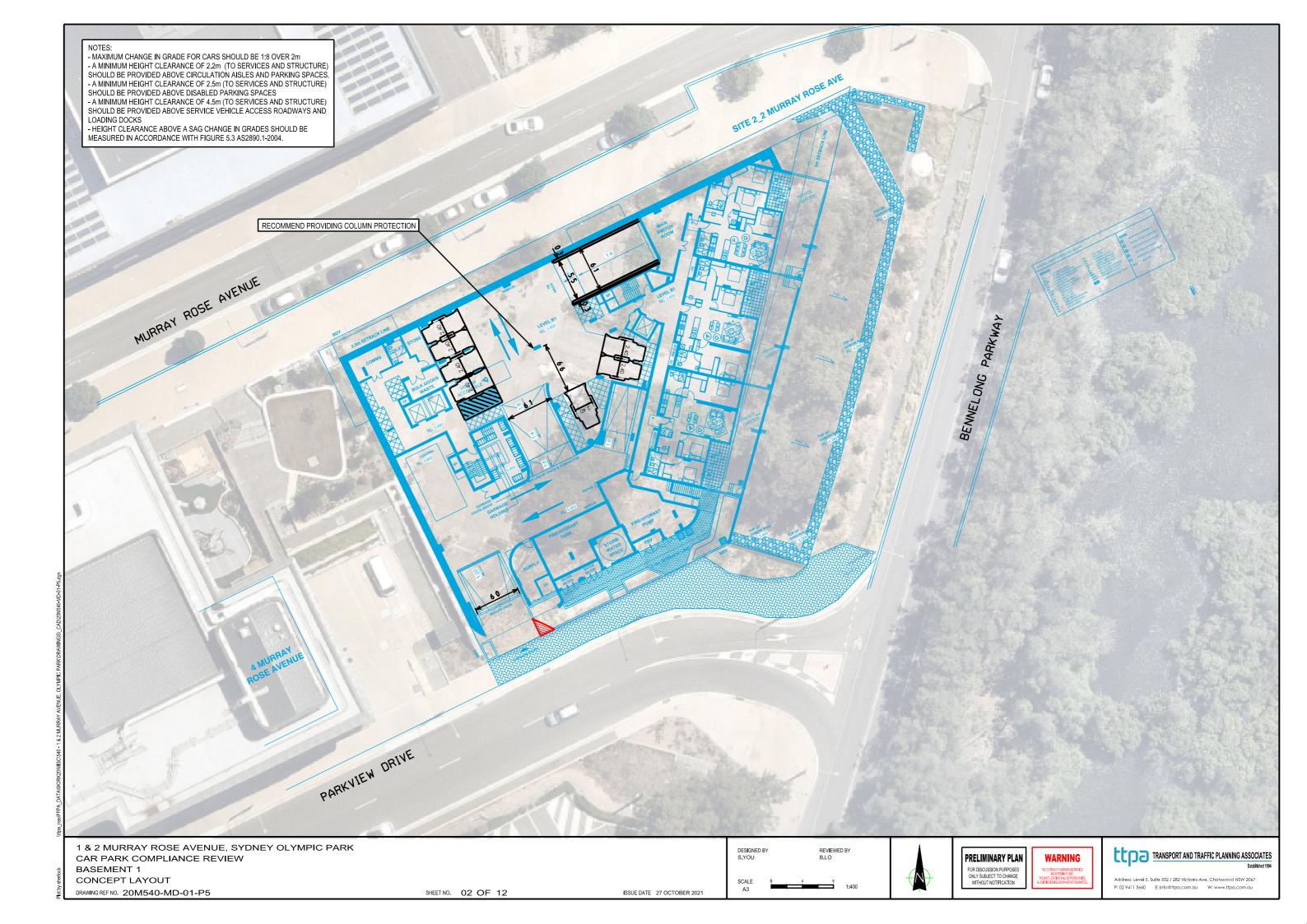
DRAWING REF NO. 20M540-MD-01-P5

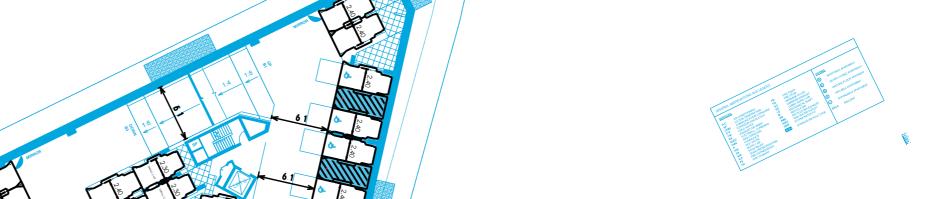
SHEET NO. 01 OF 12

ISSUE DATE 27 OCTOBER 2021









SITE 22 MURRAY ROSE AVE

1 & 2 MURRAY ROSE AVENUE, SYDNEY OLYMPIC PARK CAR PARK COMPLIANCE REVIEW BASEMENT 2

CONCEPT LAYOUT

DRAWING REF NO. 20M540-MD-01-P5

DESIGNED BY S.YOU SCALE A3

REVIEWED BY B.LO

PRELIMINARY PLAN FOR DISCUSSION PURPOSES ONLY SUBJECT TO CHANGE WITHOUT NOTIFICATION





Address: Level 5, Suite 502 / 282 Victoria Ave, Chatswood NSW 2067 P: 02 9411 5660 E: info@ttpa.com.au W: www.ttpa.com.au

CAR PARK COMPLIANCE REVIEW BASEMENT 3 CONCEPT LAYOUT

DRAWING REF NO. 20M540-MD-01-P5

DESIGNED BY S.YOU

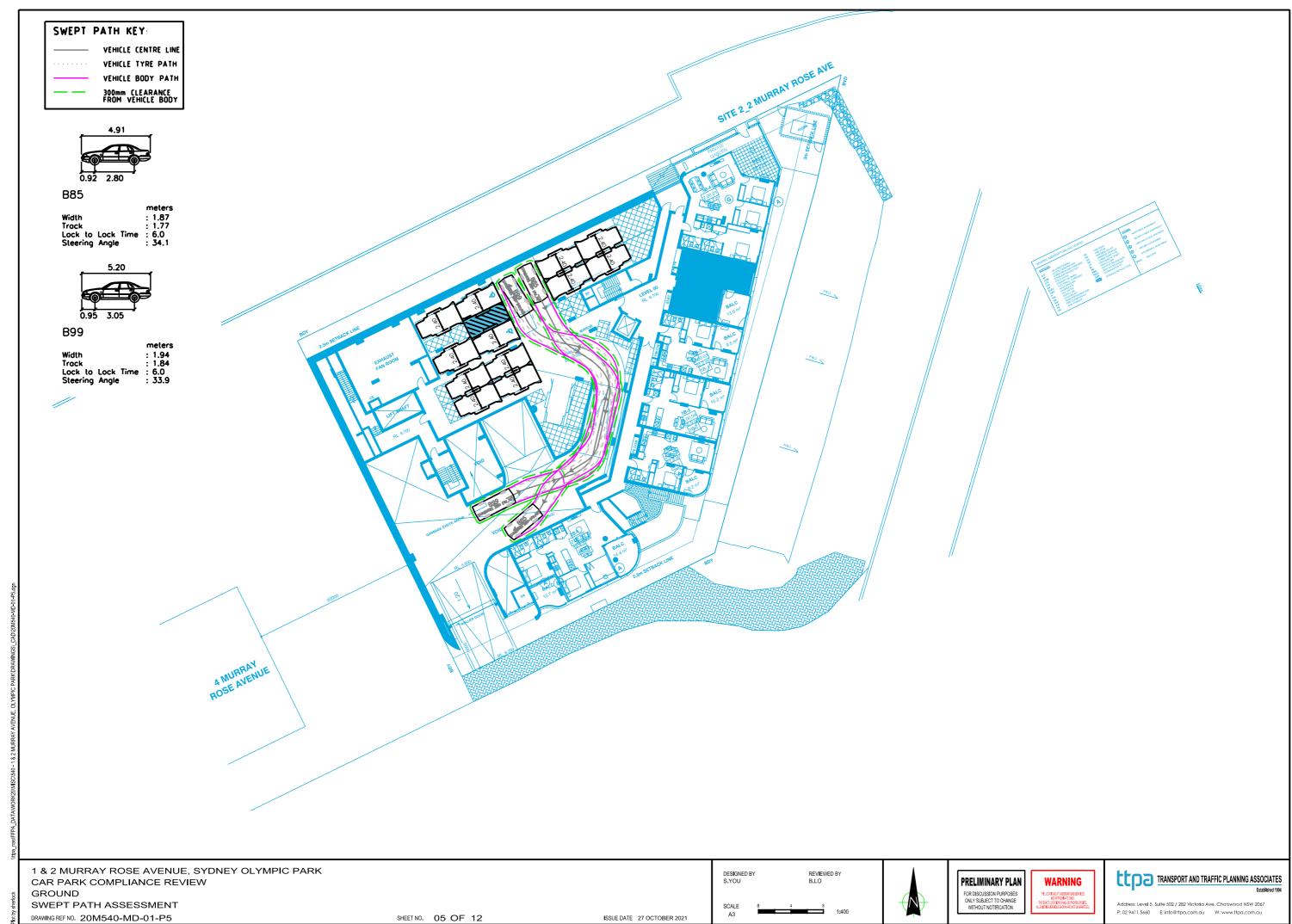
SCALE A3

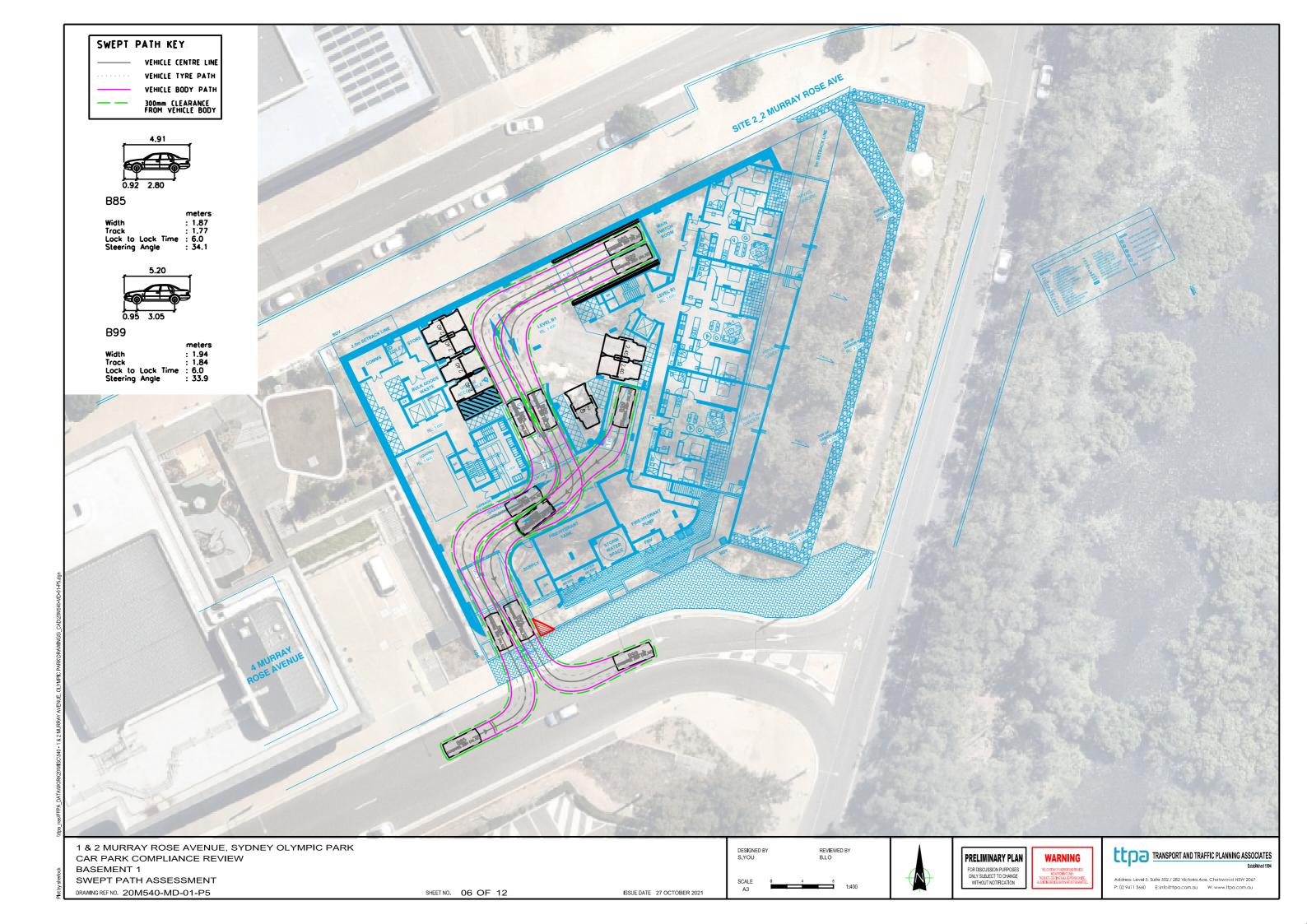


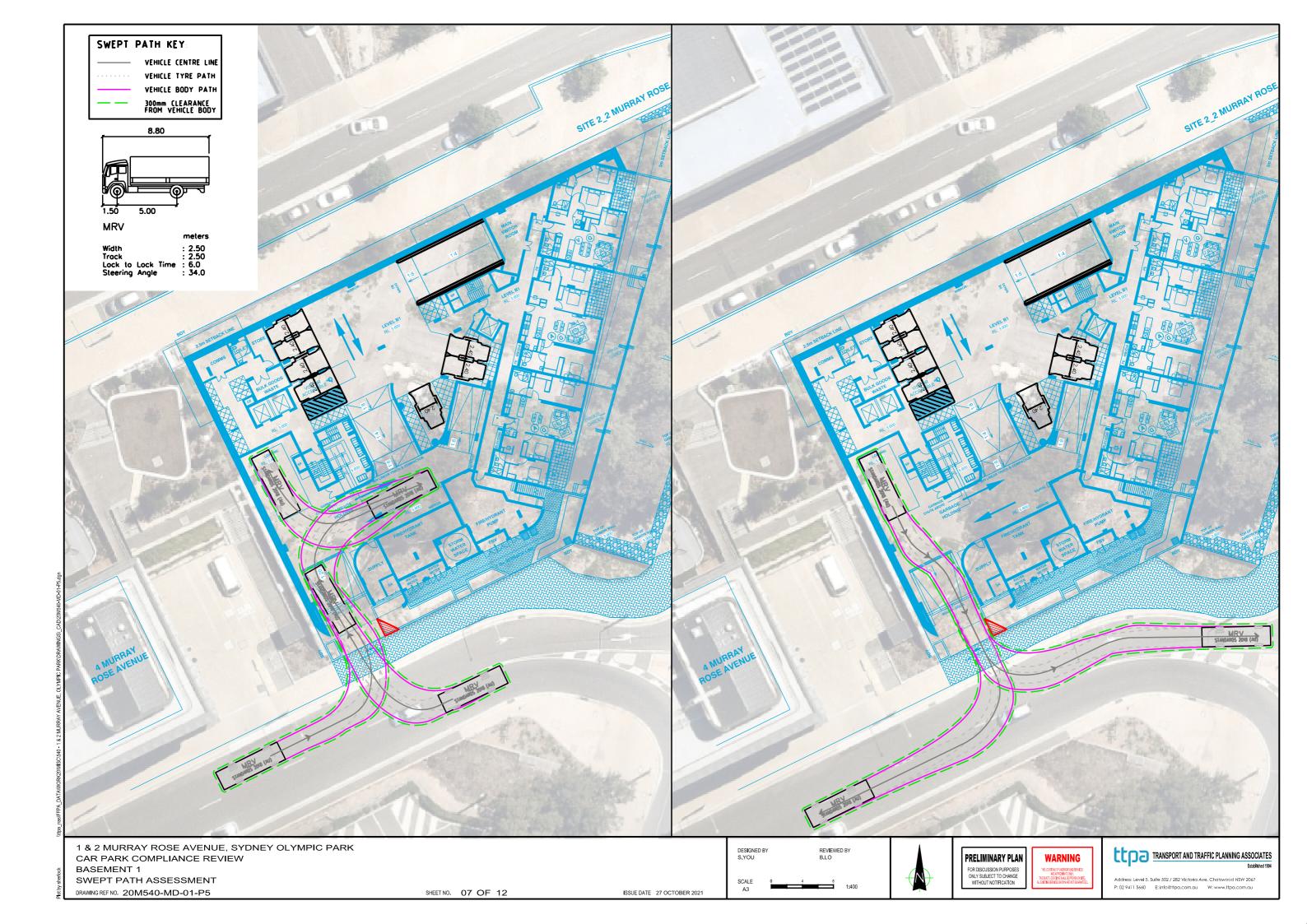




Address: Level 5, Suite 502 / 282 Victoria Ave, Chatswood NSW 2067 P: 02 9411 5660 E: info@ttpa.com.au W: www.ttpa.com.au



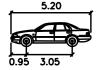




- VEHICLE CENTRE LINE VEHICLE TYRE PATH VEHICLE BODY PATH 300mm CLEARANCE FROM VEHICLE BODY

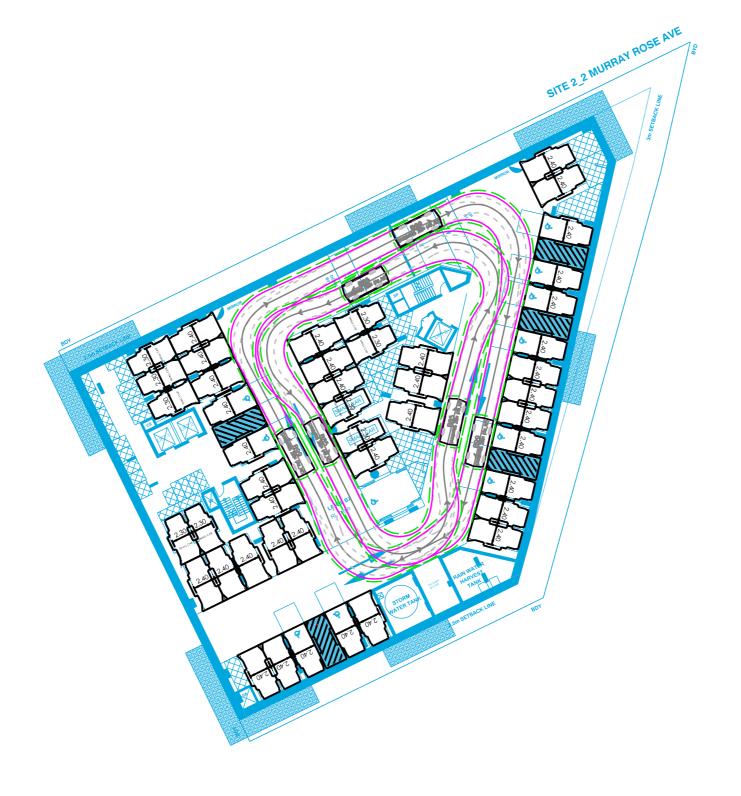
B85

Width : 1.87
Trock : 1.77
Lock to Lock Time : 6.0
Steering Angle : 34.1



B99

	meter
Width	: 1.94
Track	: 1.84
Lock to Lock Time	: 6.0
Steering Angle	: 33.9





1 & 2 MURRAY ROSE AVENUE, SYDNEY OLYMPIC PARK CAR PARK COMPLIANCE REVIEW BASEMENT 2

SWEPT PATH ASSESSMENT DRAWING REF NO. 20M540-MD-01-P5

SHEET NO. 08 OF 12

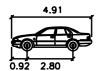
PRELIMINARY PLAN FOR DISCUSSION PURPOSES ONLY SUBJECT TO CHANGE WITHOUT NOTIFICATION





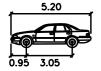
Address: Level 5, Suite 502 / 282 Victoria Ave, Chatswood NSW 2067 P: 02 9411 5660 E: info@ttpa.com.au W: www.ttpa.com.au

ISSUE DATE 27 OCTOBER 2021



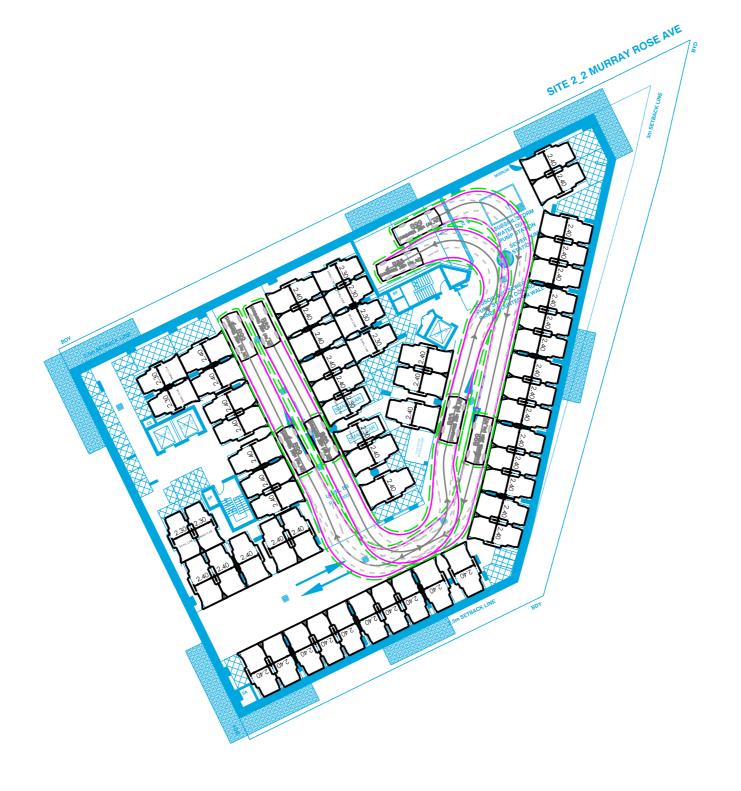
B85

	meters
Width	: 1.87
Trock	: 1.77
Lock to Lock Time	: 6.0
Steering Angle	: 34.1



B99

	meter
Width	: 1.94
Track	: 1.84
Lock to Lock Time	: 6.0
Steering Angle	: 33.9





1 & 2 MURRAY ROSE AVENUE, SYDNEY OLYMPIC PARK CAR PARK COMPLIANCE REVIEW BASEMENT 3

SWEPT PATH ASSESSMENT DRAWING REF NO. 20M540-MD-01-P5

SHEET NO. 09 OF 12

DESIGNED BY S.YOU

ISSUE DATE 27 OCTOBER 2021

(

PRELIMINARY PLAN
FOR DISCUSSION PURPOSES
ONLY SUBJECT TO CHANGE
WITHOUT NOTIFICATION





Address: Level 5, Suite 502 / 282 Victoria Ave, Chatswood NSW 2067 P: 02 9411 5660 E: info@ttpa.com.au W: www.ttpa.com.au

Plot by sherlock //ttp



SHEET NO. 10 OF 12 ISSUE DATE 27 OCTOBER 2021

FOR DISCUSSION PURPOSES ONLY SUBJECT TO CHANGE WITHOUT NOTIFICATION

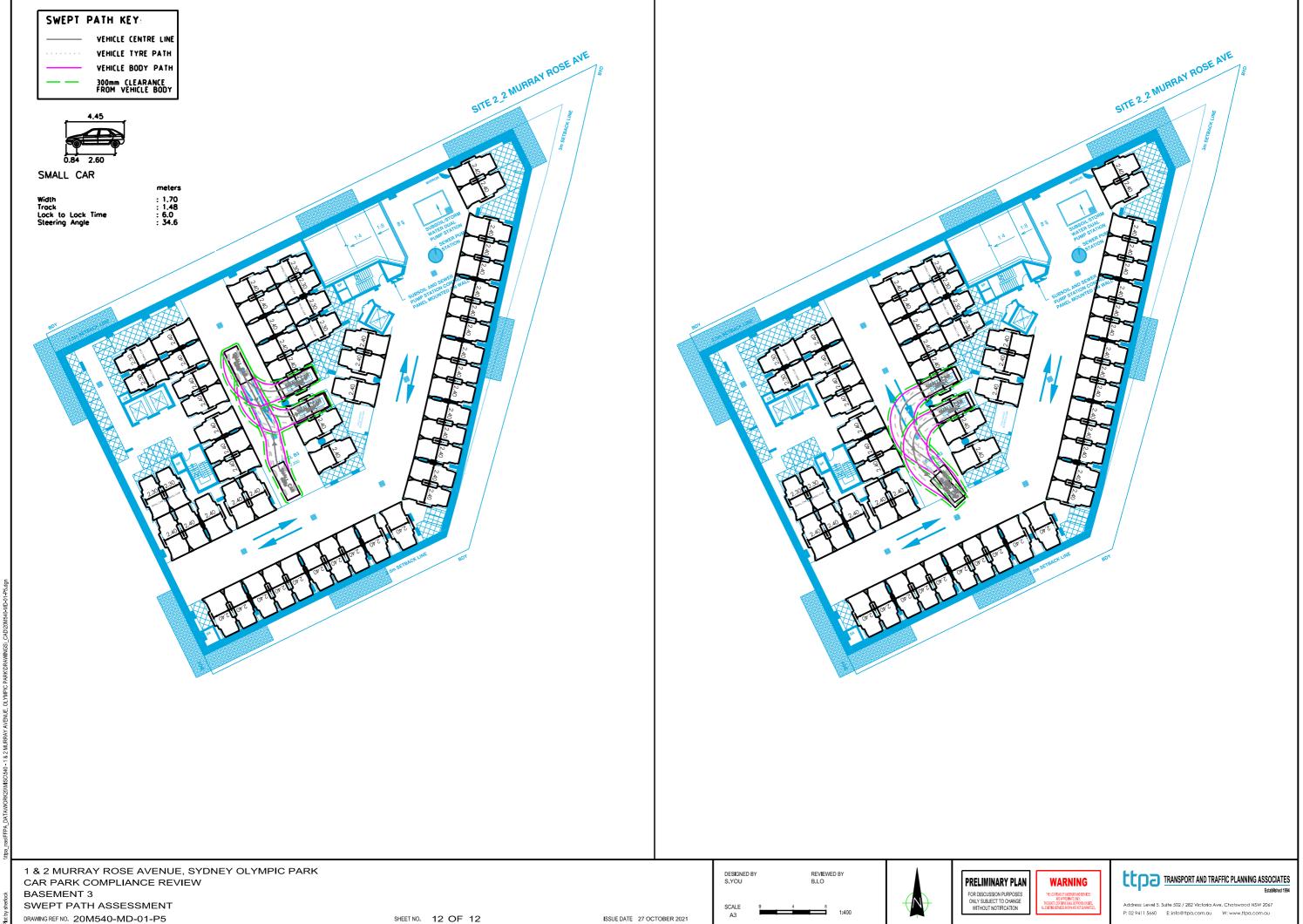




SHEET NO. 11 OF 12 ISSUE DATE 27 OCTOBER 2021







SHEET NO. 12 OF 12

ISSUE DATE 27 OCTOBER 2021

P: 02 9411 5660 E: info@ttpa.com.au W: www.ttpa.com.au