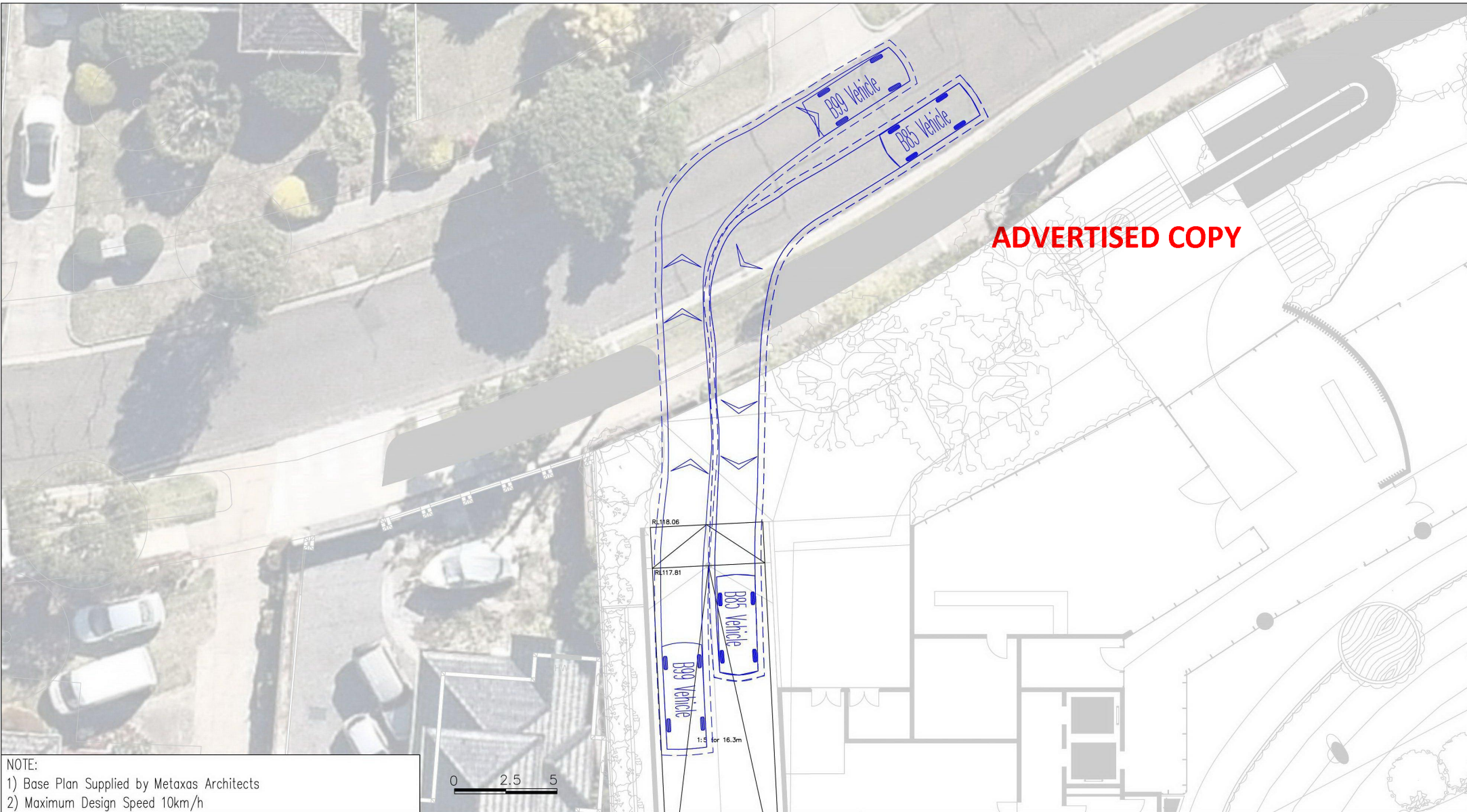


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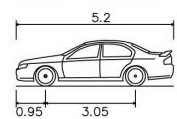


NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h

**ratio:**

RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
 8 GWYNNE STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

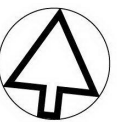
B99 Vehicle (AS/NZS2890.1: 2004)



Overall Length	5.200m
Overall Width	1.940m
Overall Body Height	2.200m
Min Body Ground Clearance	0.312m
Track Width	1.840m
Lock to Lock Time	4.00 sec
Curb to Curb Turning Radius	6.30m

VEHICLE ENVELOPE (FORWARD)  
 300mm CLEARANCE (FORWARD)  
 VEHICLE ENVELOPE (REVERSE)  
 300mm CLEARANCE (REVERSE)

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Ground Level - Swept Path Assessment



RATIO REFERENCE  
 16439T-SK09/LI

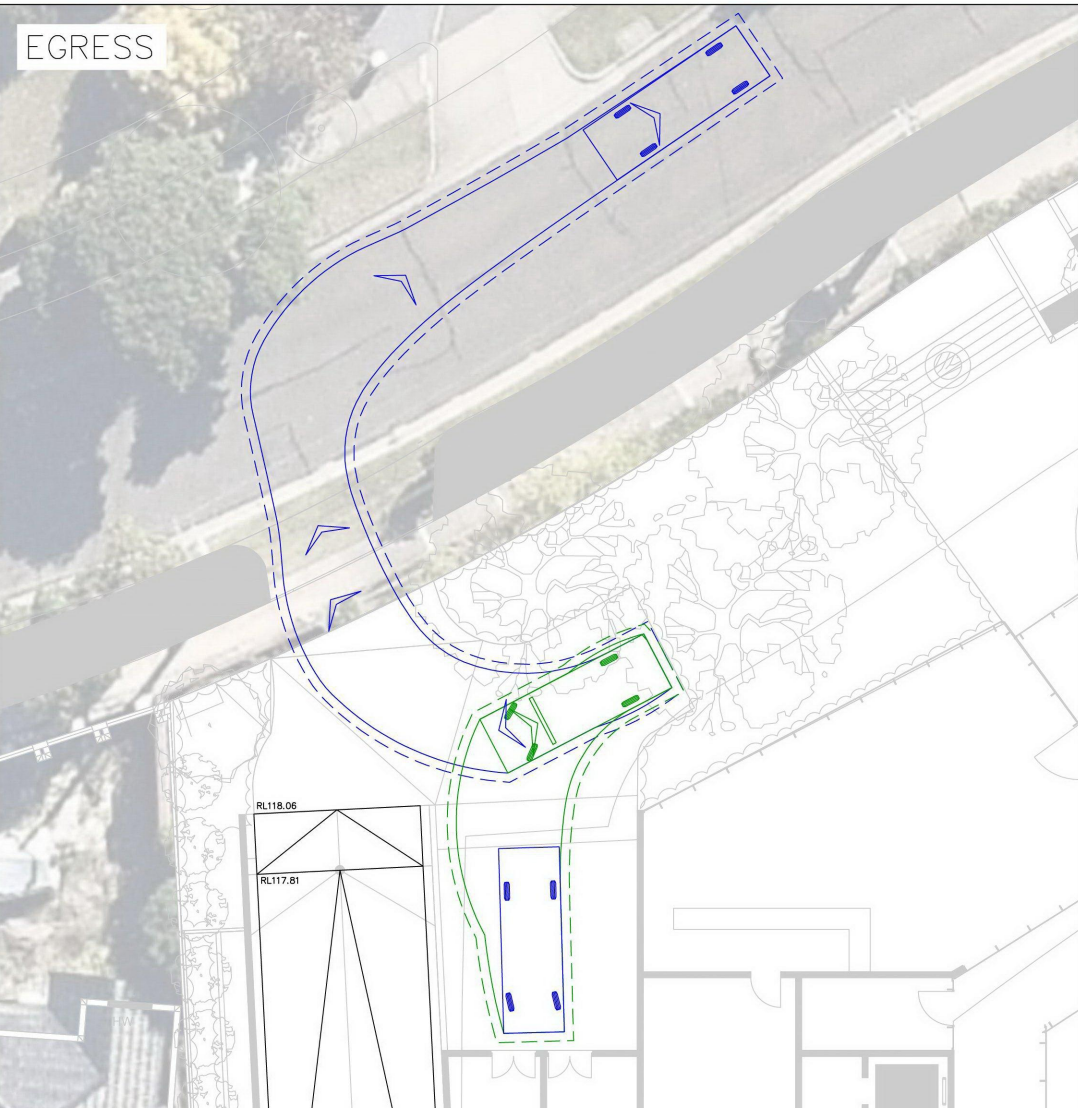
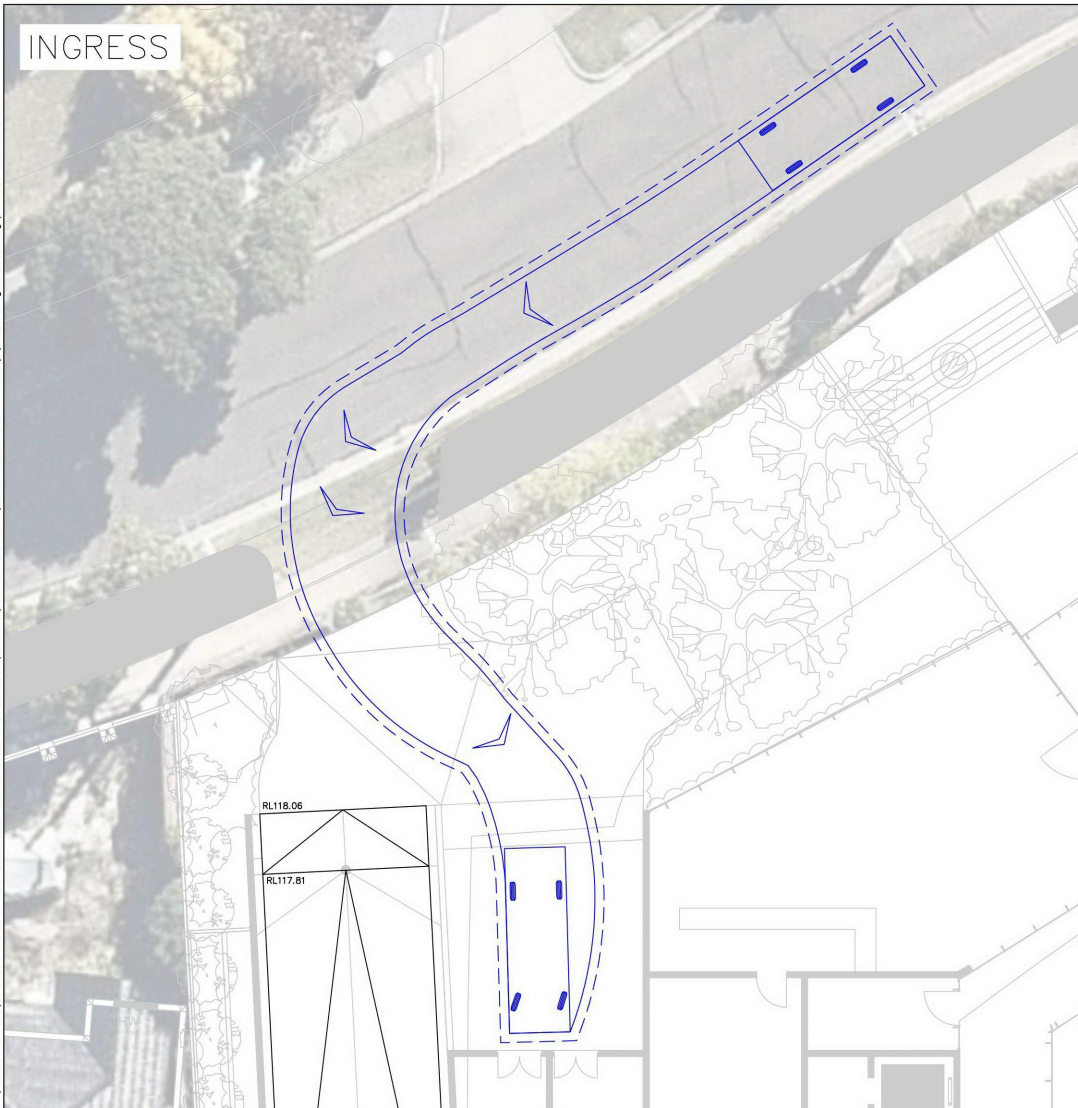
SHEET No.  
 1 of 15

SCALE  
 1:250@A4

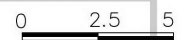
DATE  
 01/11/2019

**ADVERTISED COPY**

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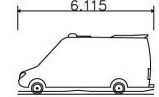
NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h



**ratio:**

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 ABN 005 422 104  
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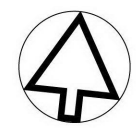
Ambulance Victoria – Typical



Overall Length 6.115m  
 Overall Width 2.005m  
 Overall Body Height 2.800m  
 Min Body Ground Clearance 0.150m  
 Track Width 1.705m  
 Lock to Lock Time 4.00 sec  
 Curb to Curb Turning Radius 6.800m

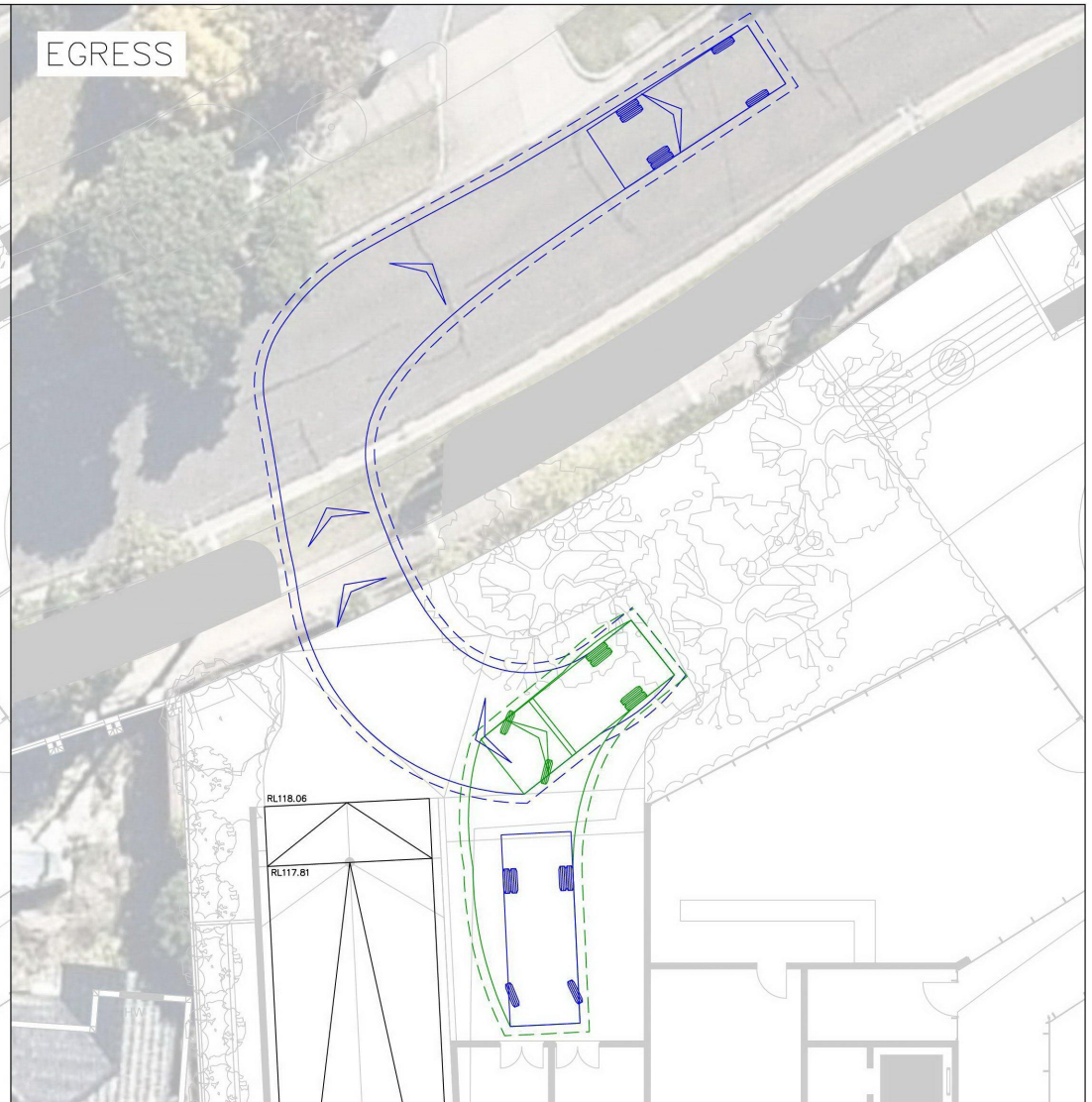
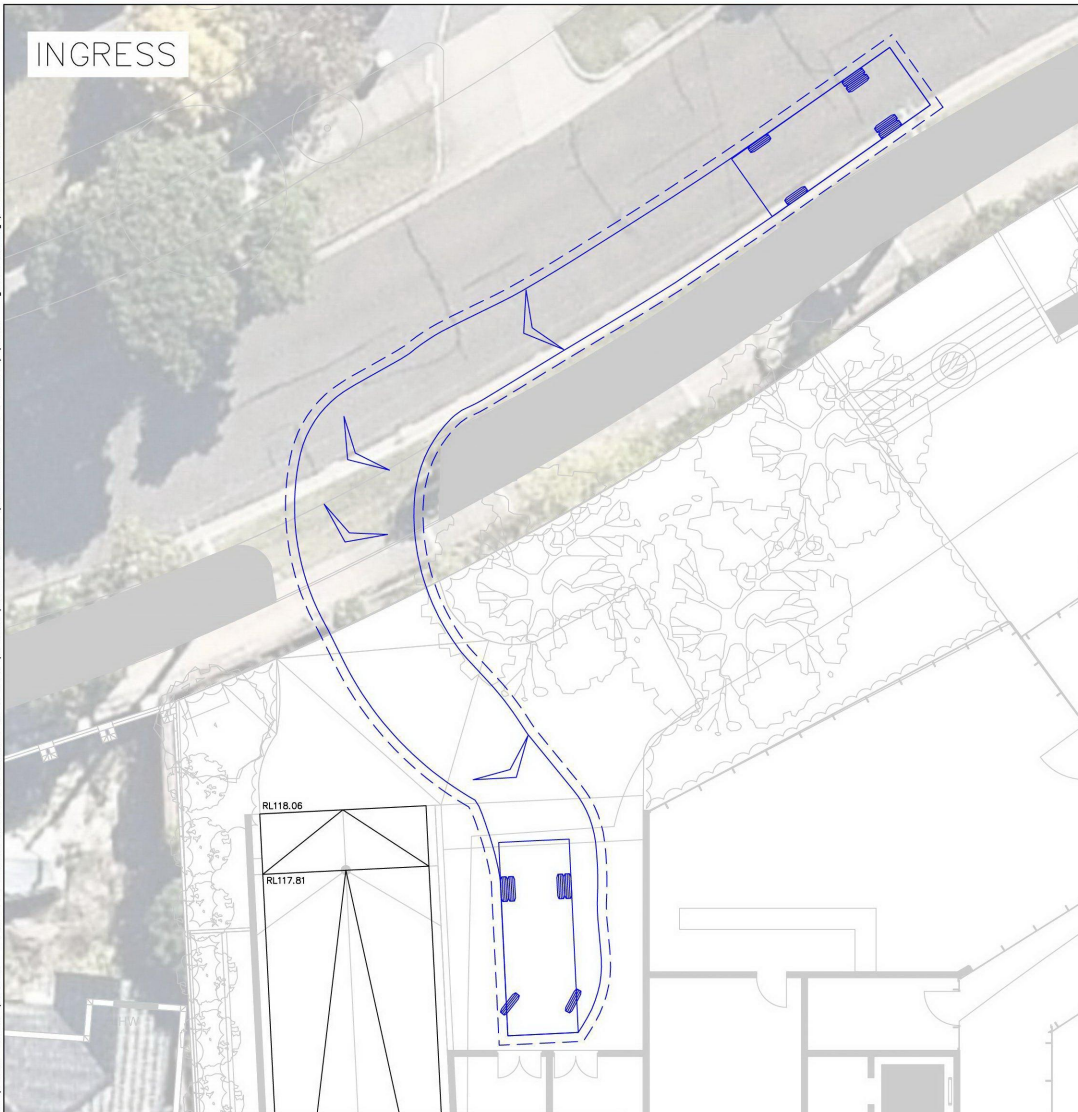
VEHICLE ENVELOPE (FORWARD)  
300mm CLEARANCE (FORWARD)  
VEHICLE ENVELOPE (REVERSE)  
300mm CLEARANCE (REVERSE)

Proposed Mixed Use Development  
 445–467 Blackburn Road, Mount Waverley  
 Ground Level – Ambulance

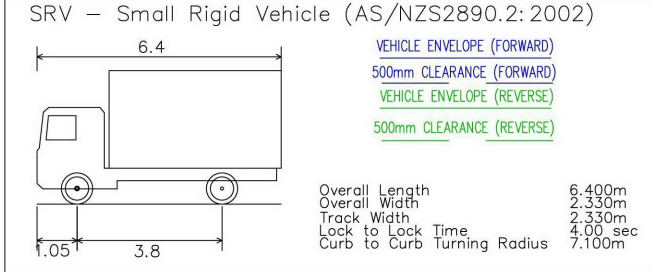


RATIO REFERENCE	SHEET No.	SCALE	DATE
16439T-SK09/LI	2 of 15	1:250@A4	01/11/2019

\\RATIO\ELFP01\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVCE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG  
 01/11/2019 12:04:26 PM



NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h



Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Ground Level – Loading

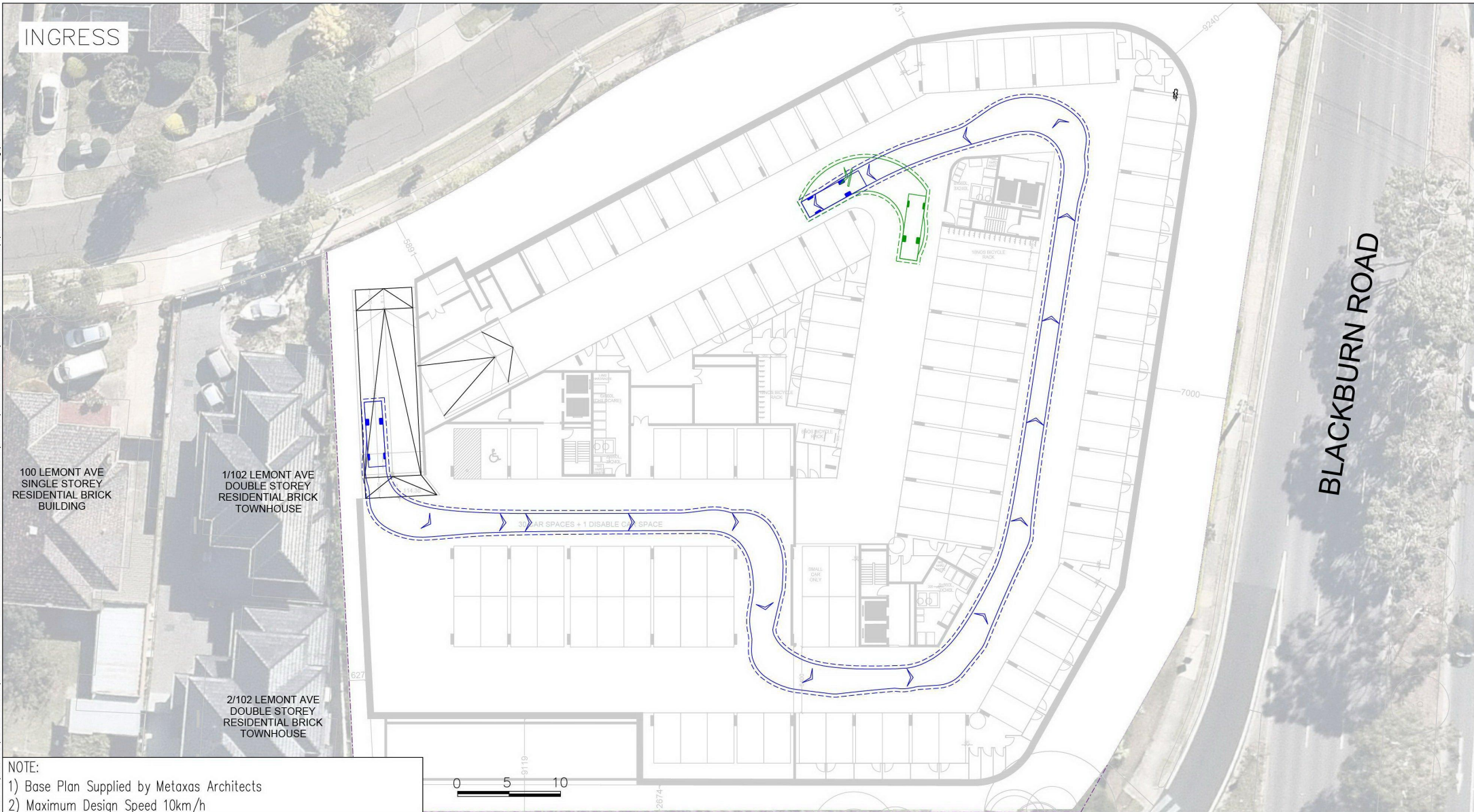


**ratio:**

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 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

RATIO REFERENCE	SHEET No.	SCALE	DATE
16439T-SK09/LI	3 of 15	1:250@A4	01/11/2019

\\RATIO\HOME\PROJECTS\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVICE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG  
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NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h

**ratio:**

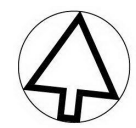
RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
 8 GWYNNE STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

Mini-Rear Loader Waste Collection Vehicle

VEHICLE ENVELOPE (FORWARD)  
 300mm CLEARANCE (FORWARD)  
VEHICLE ENVELOPE (REVERSE)  
 300mm CLEARANCE (REVERSE)

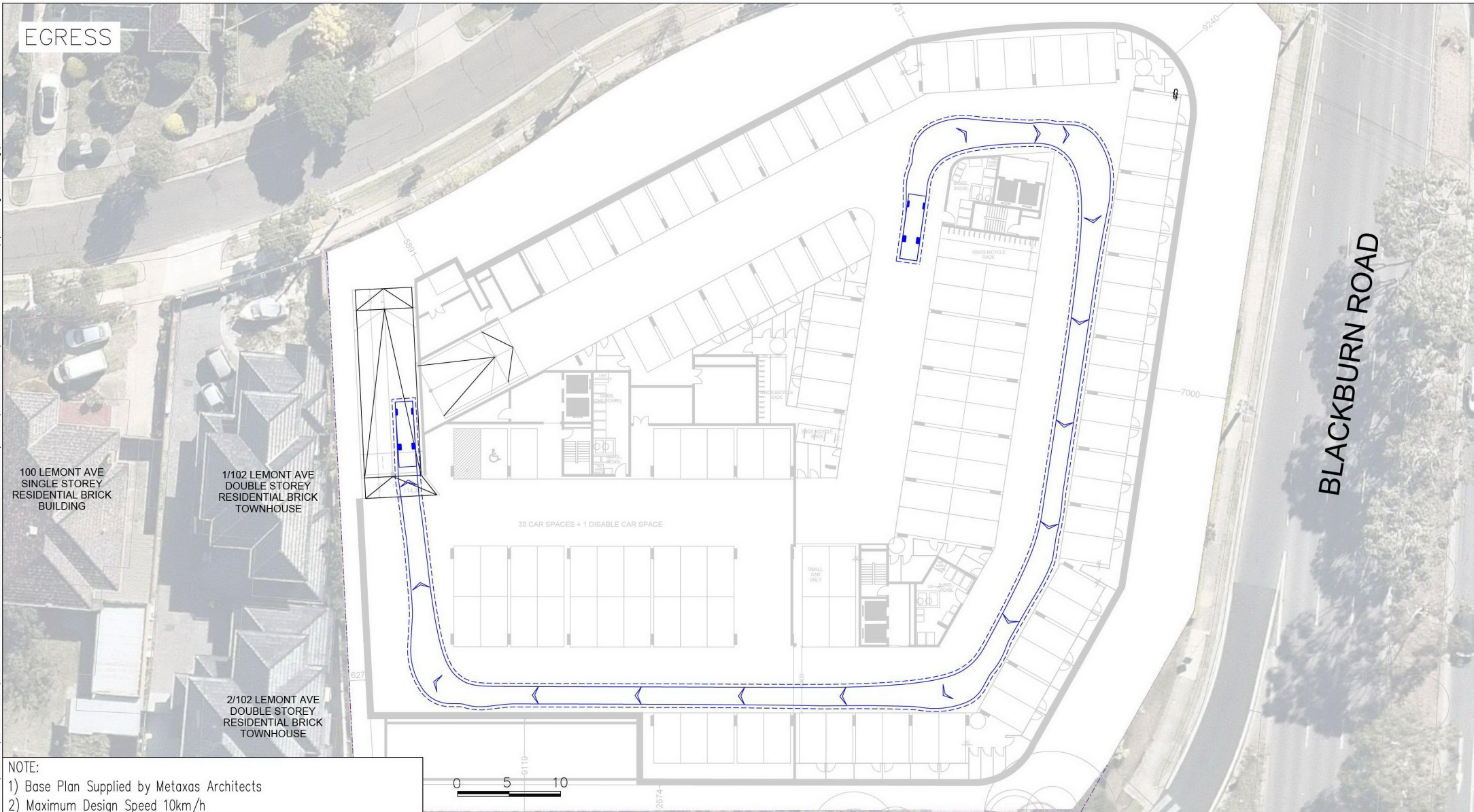
Overall Length 6.345m  
 Body Width 1.700m  
 Overall Body Height 2.080m  
 Min Body Ground Clearance 0.205m  
 Track Width 1.670m  
 Lock to Lock Time 4.00 sec  
 Curb to Curb Turning Radius 6.450m

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 1 - Swept Path Assessment



RATIO REFERENCE	SHEET No.	SCALE	DATE
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\\RATIO\PROJECTS\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVICE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG  
 01/11/2019 12:04:29 PM



NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h

**ratio:**

RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
 8 GWYNNE STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

Mini-Rear Loader Waste Collection Vehicle

VEHICLE ENVELOPE (FORWARD)  
 300mm CLEARANCE (FORWARD)  
VEHICLE ENVELOPE (REVERSE)  
 300mm CLEARANCE (REVERSE)

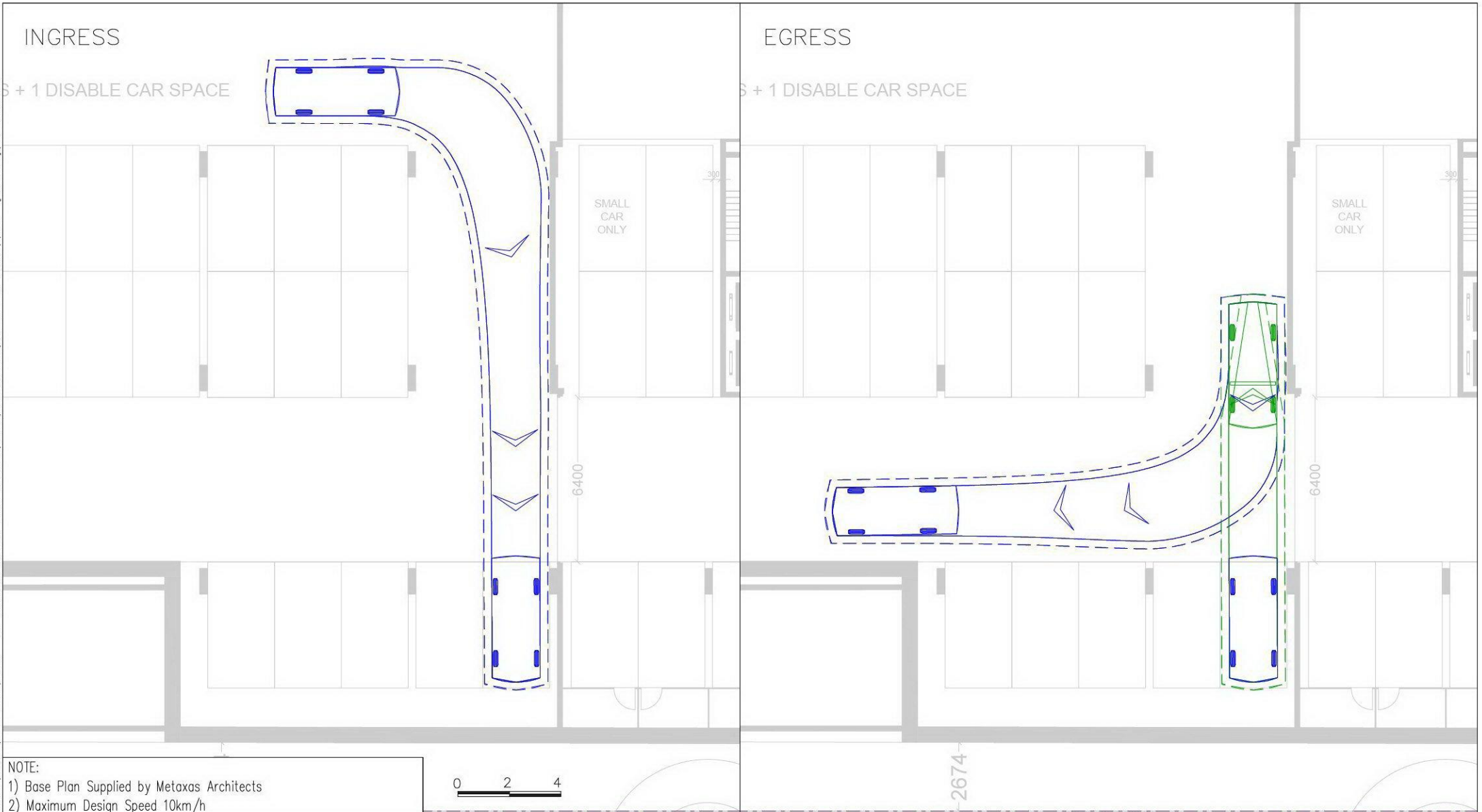
Overall Length 6.345m  
 Body Width 1.700m  
 Overall Body Height 2.080m  
 Min Body Ground Clearance 0.205m  
 Track Width 1.670m  
 Lock to Lock Time 4.00 sec  
 Curb to Curb Turning Radius 6.450m

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 1 - Swept Path Assessment



RATIO REFERENCE	SHEET No.	SCALE	DATE
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\\RATIO\ELFP01\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVICE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG  
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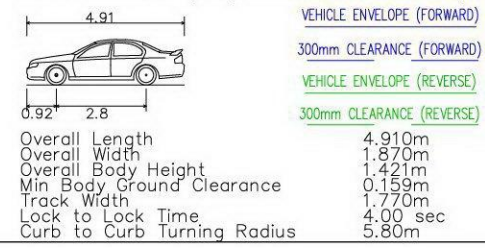


NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h

# ratio:

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 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

B85 Vehicle (AS/NZS2890.1: 2004)

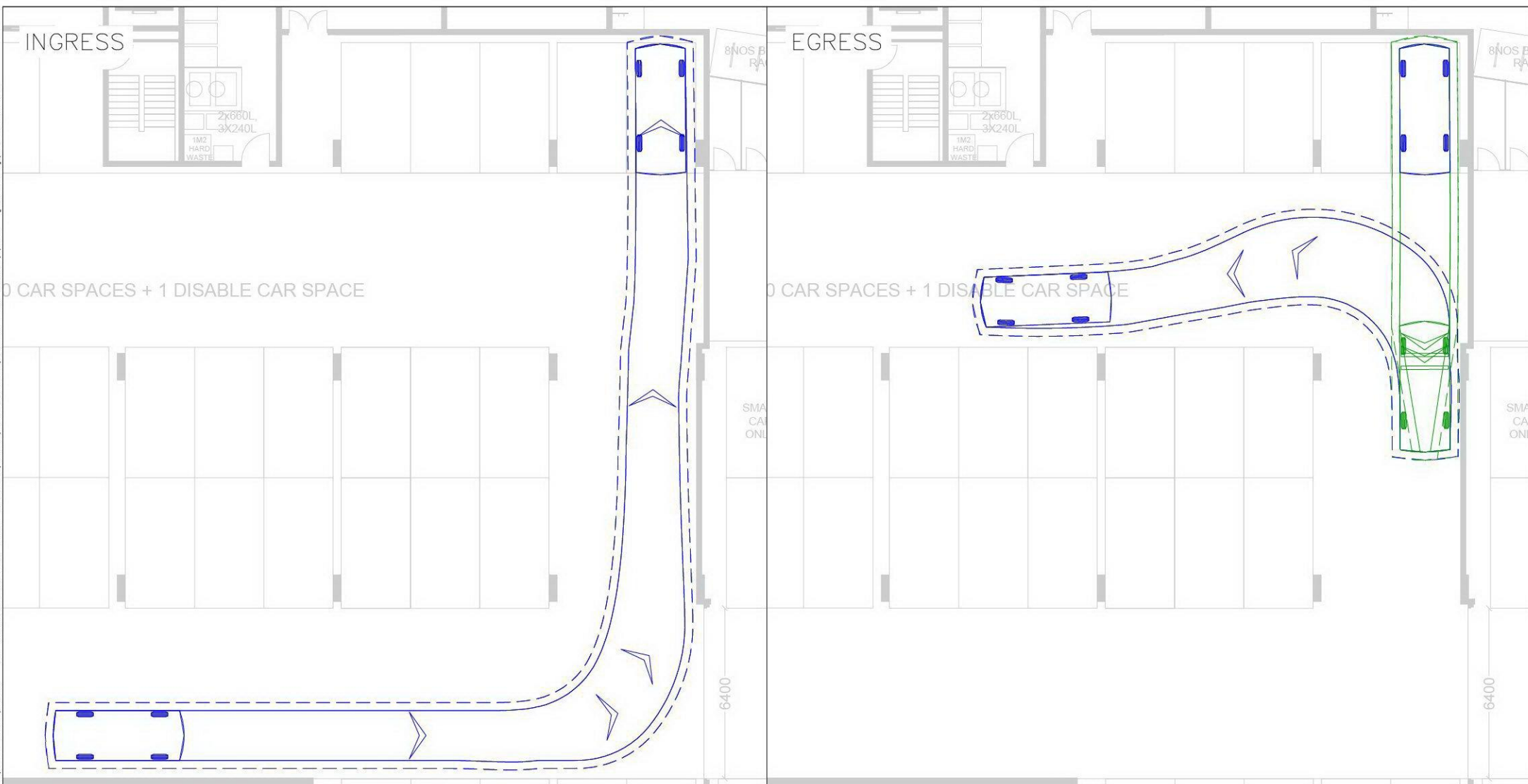


Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 1 - Swept Path Assessment



RATIO REFERENCE	SHEET No.	SCALE	DATE
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\\RATIO\ELFP01\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVICE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG  
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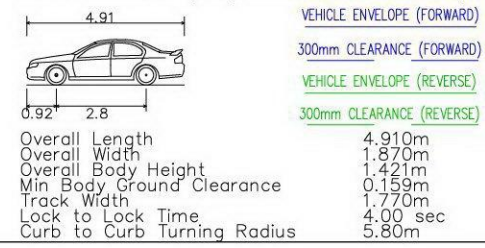
NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h



# ratio:

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 ABN 005 422 104  
 8 GWYNNE STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

B85 Vehicle (AS/NZS2890.1:2004)

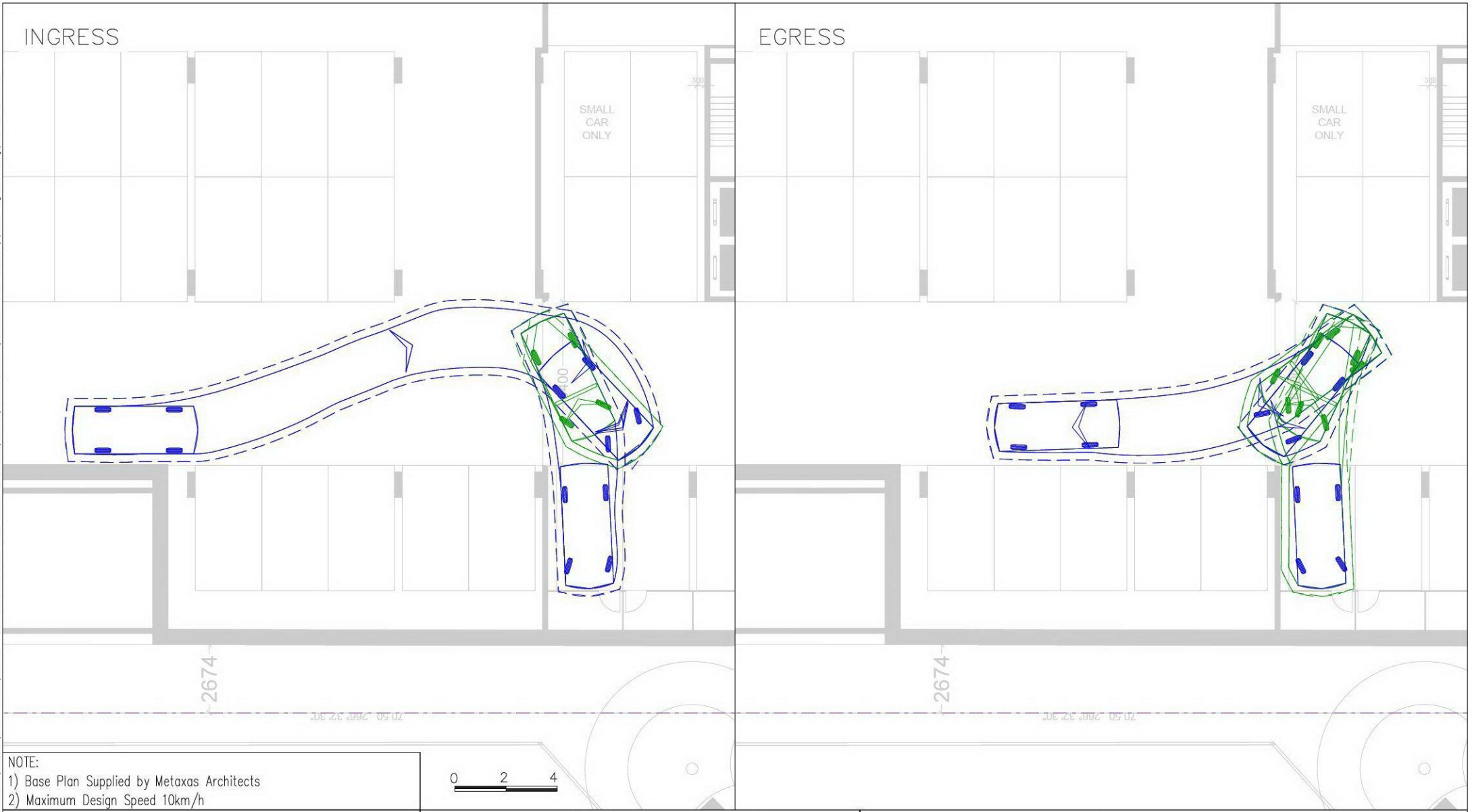


Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 1 - Swept Path Assessment



RATIO REFERENCE	SHEET No.	SCALE	DATE
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\\RATIO\PEP01\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVICE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG  
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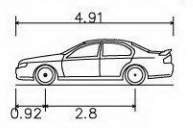


NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h

# ratio:

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 ABN 005 422 104  
 8 GWYNNE STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

B85 Vehicle (AS/NZS2890.1: 2004)



Overall Length 4.91m  
 Overall Width 1.870m  
 Overall Body Height 1.421m  
 Min Body Ground Clearance 0.159m  
 Track Width 1.770m  
 Lock to Lock Time 4.00 sec  
 Curb to Curb Turning Radius 5.80m

VEHICLE ENVELOPE (FORWARD)  
 300mm CLEARANCE (FORWARD)  
 VEHICLE ENVELOPE (REVERSE)  
 300mm CLEARANCE (REVERSE)

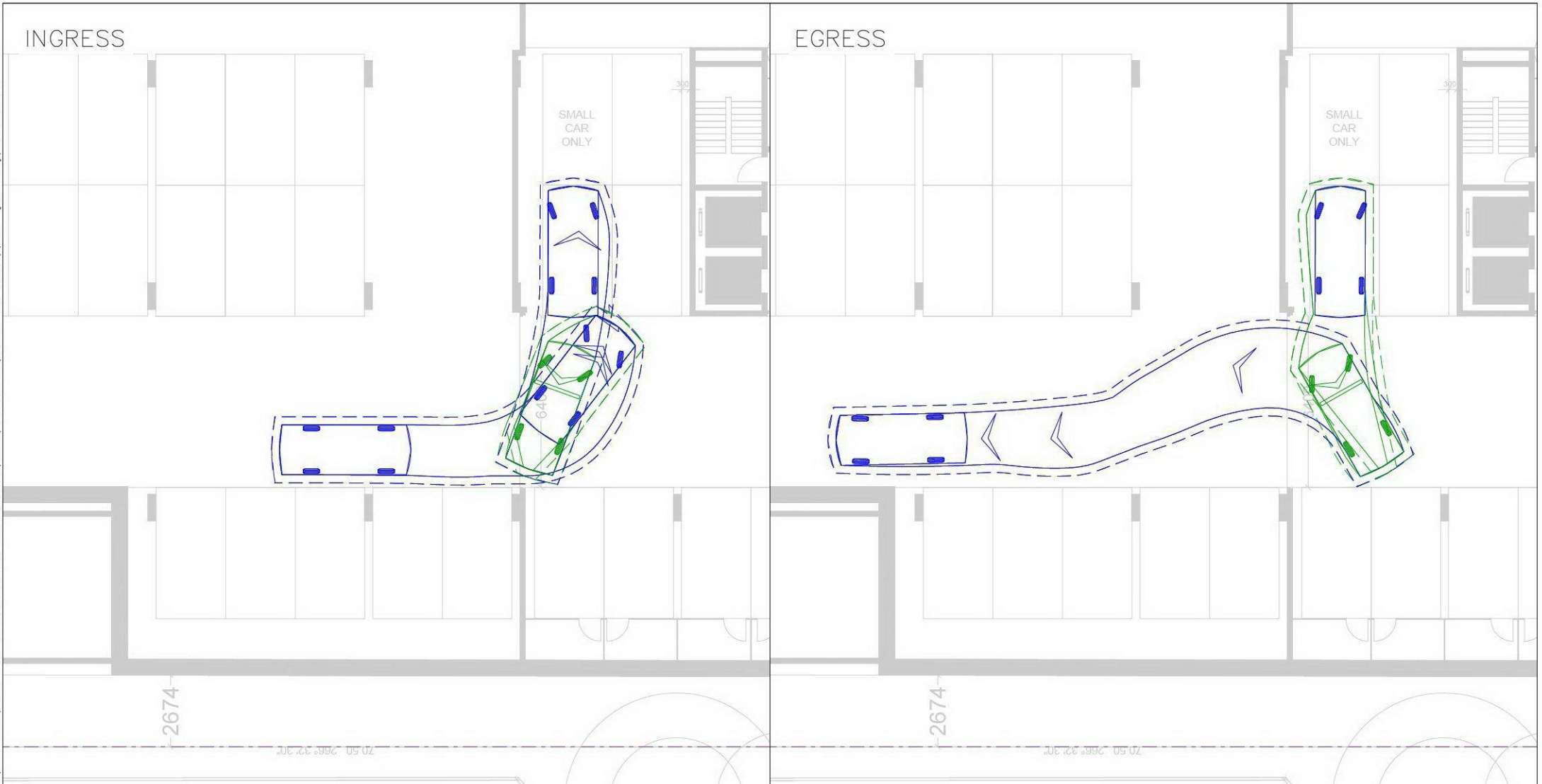
Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 1 - Swept Path Assessment



RATIO REFERENCE	SHEET No.	SCALE	DATE
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\\RATIO\PEP01\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVICE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG  
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NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h



# ratio:

RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
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 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

B85 Vehicle (AS/NZS2890.1: 2004)

Overall Length	4.91m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock to Lock Time	4.00 sec
Curb to Curb Turning Radius	5.80m

VEHICLE ENVELOPE (FORWARD)  
300mm CLEARANCE (FORWARD)  
VEHICLE ENVELOPE (REVERSE)  
300mm CLEARANCE (REVERSE)

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 1 - Swept Path Assessment

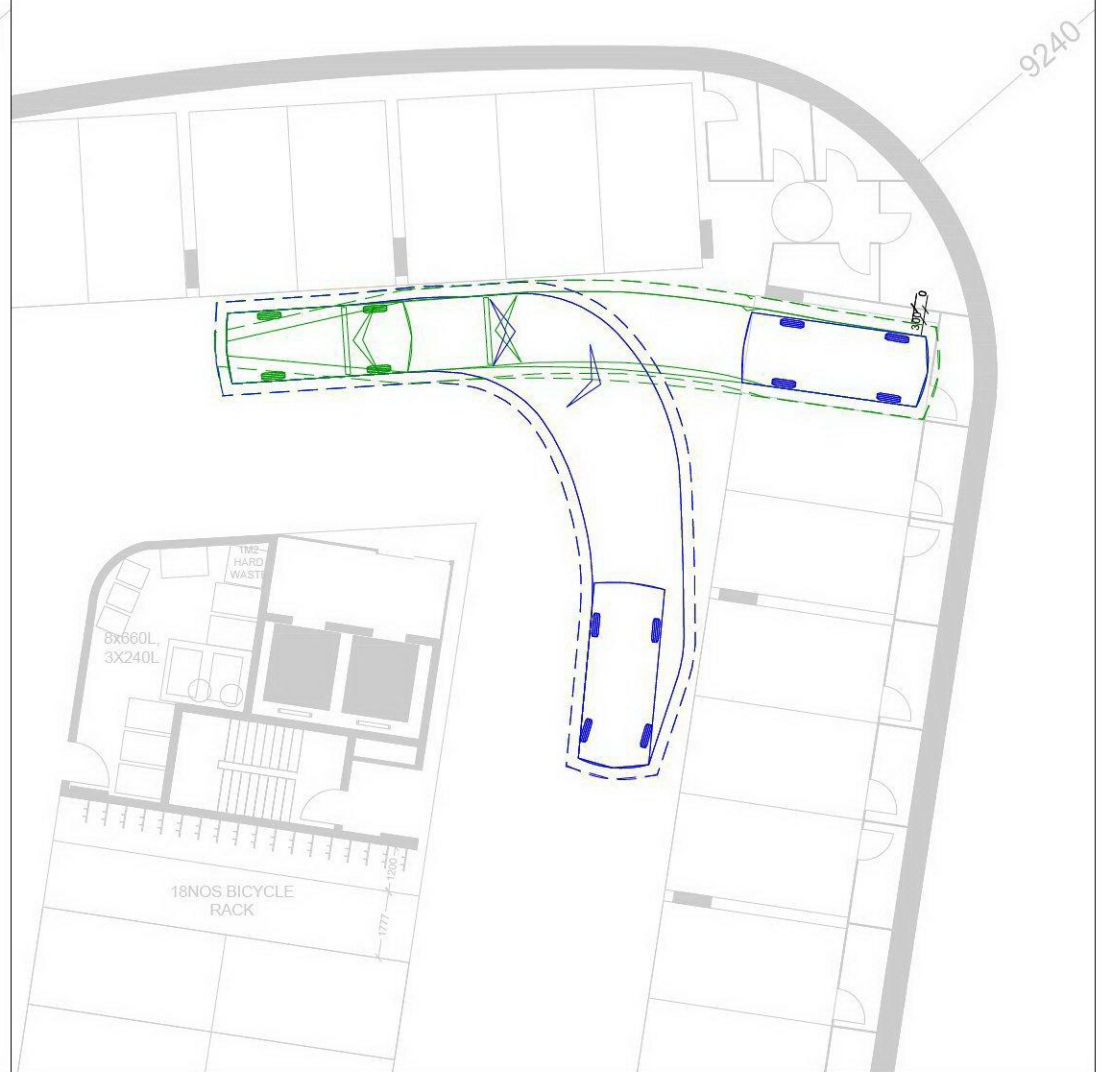
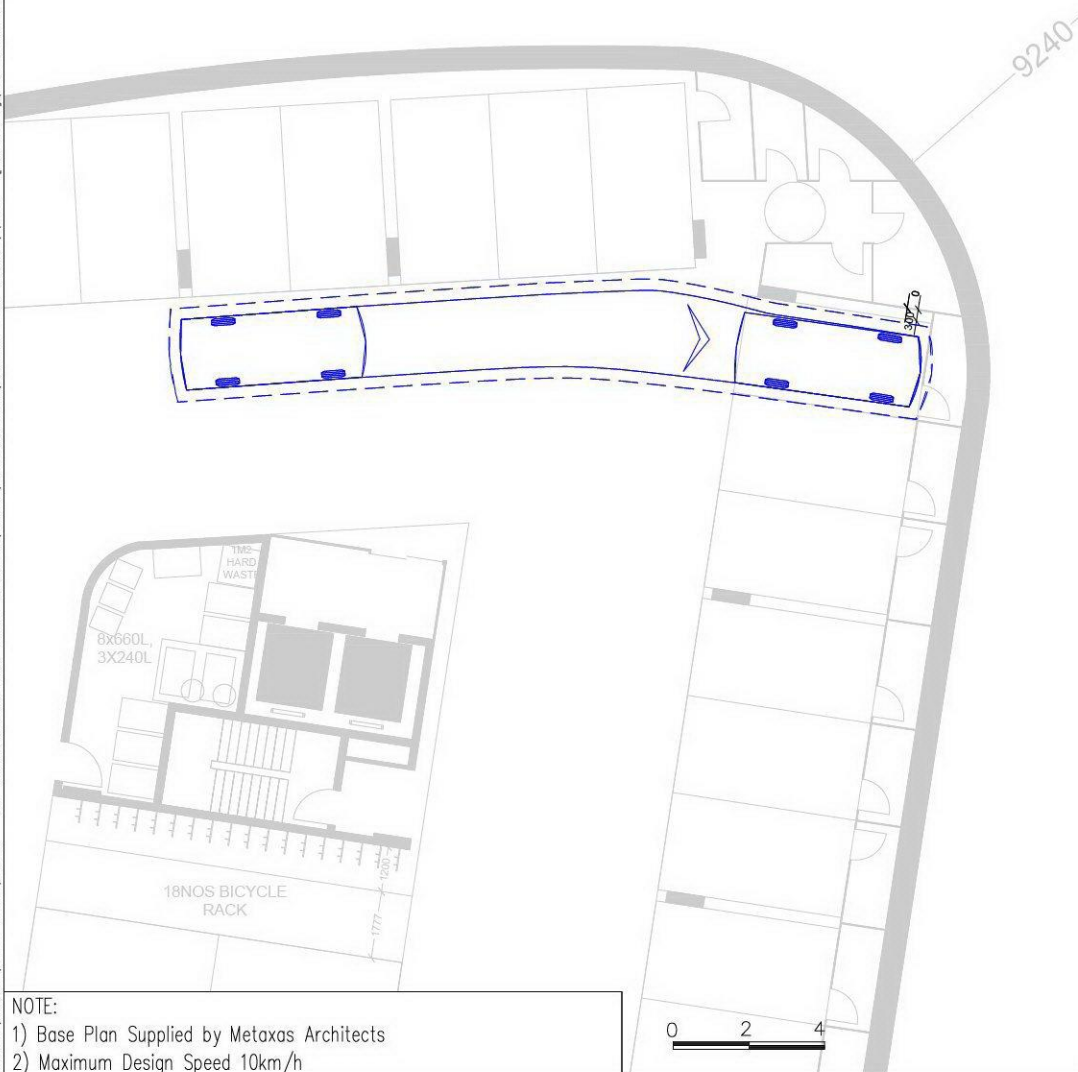


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INGRESS

EGRESS



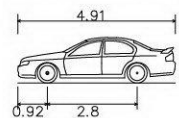
NOTE:

- 1) Base Plan Supplied by Metaxas Architects
- 2) Maximum Design Speed 10km/h

**ratio:**

RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
 8 GWYNNE STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

B85 Vehicle (AS/NZS2890.1:2004)



Overall Length 4.910m  
 Overall Width 1.870m  
 Overall Body Height 1.421m  
 Min Body Ground Clearance 0.159m  
 Track Width 1.770m  
 Lock to Lock Time 4.00 sec  
 Curb to Curb Turning Radius 5.80m

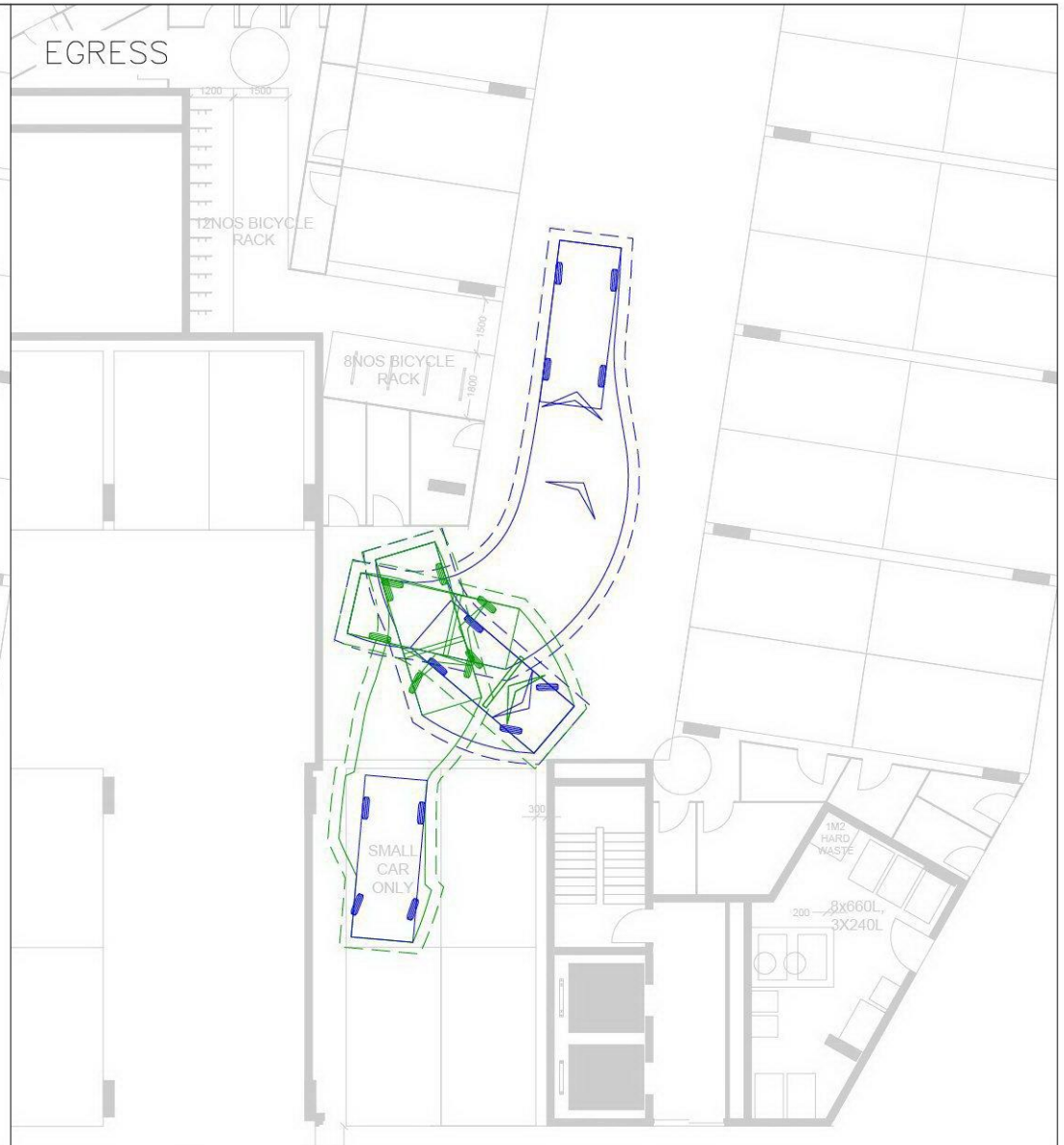
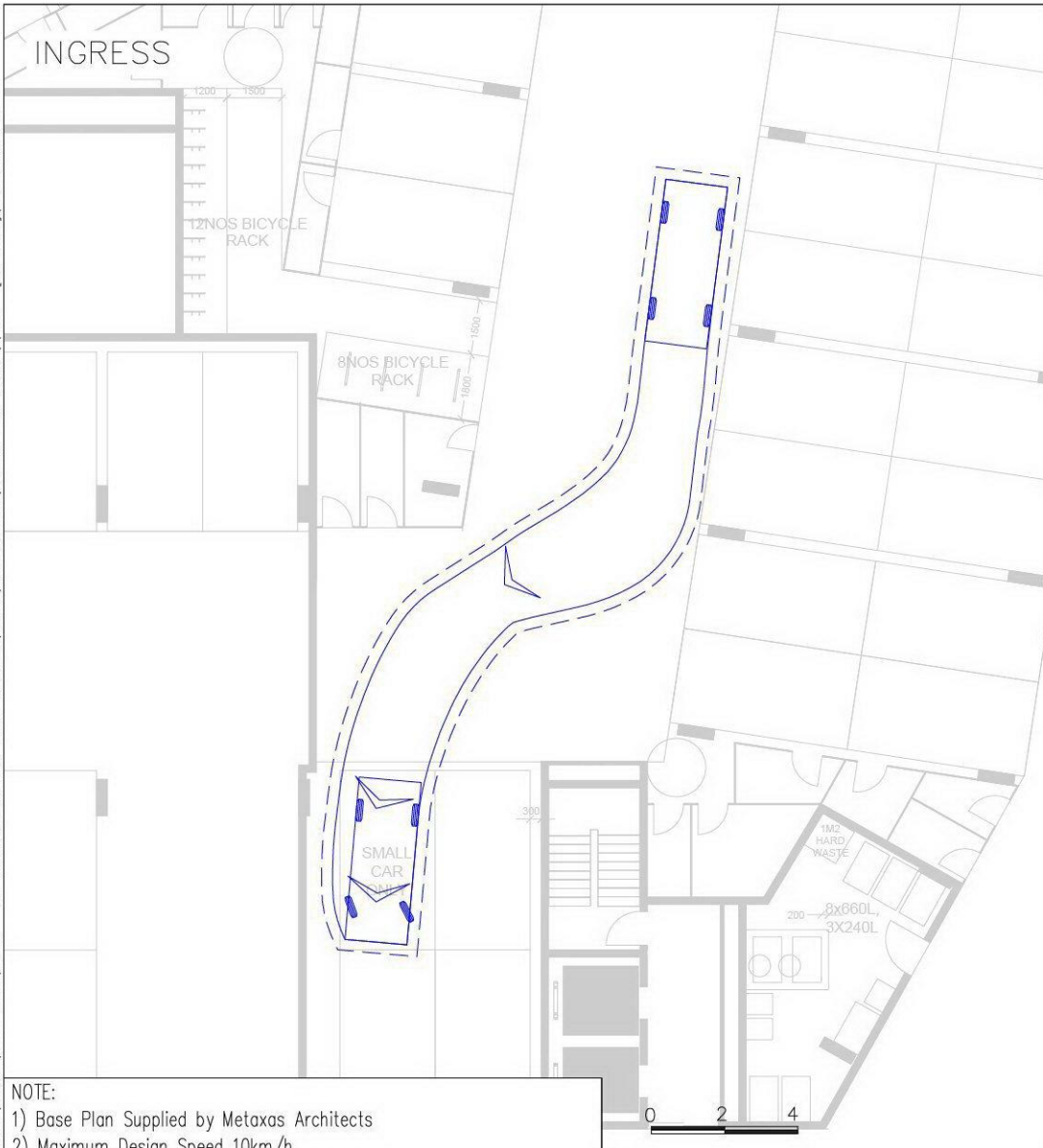
VEHICLE ENVELOPE (FORWARD)  
 300mm CLEARANCE (FORWARD)  
 VEHICLE ENVELOPE (REVERSE)  
 300mm CLEARANCE (REVERSE)

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 1 - Swept Path Assessment



RATIO REFERENCE	SHEET No.	SCALE	DATE
16439T-SK09/LI	10 of 15	1:200@A4	01/11/2019

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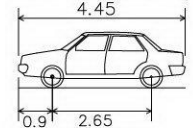


NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h

# ratio:

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 ABN 005 422 104  
 8 GWYNNE STREET  
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 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

B35 Vehicle (Typical Small Car)



Overall Length	4.45m
Overall Width	1.70m
Overall Body Height	1.48m
Min Body Ground Clearance	0.248m
Track Width	1.70m
Lock to Lock Time	4.00 sec
Curb to Curb Turning Radius	5.30m

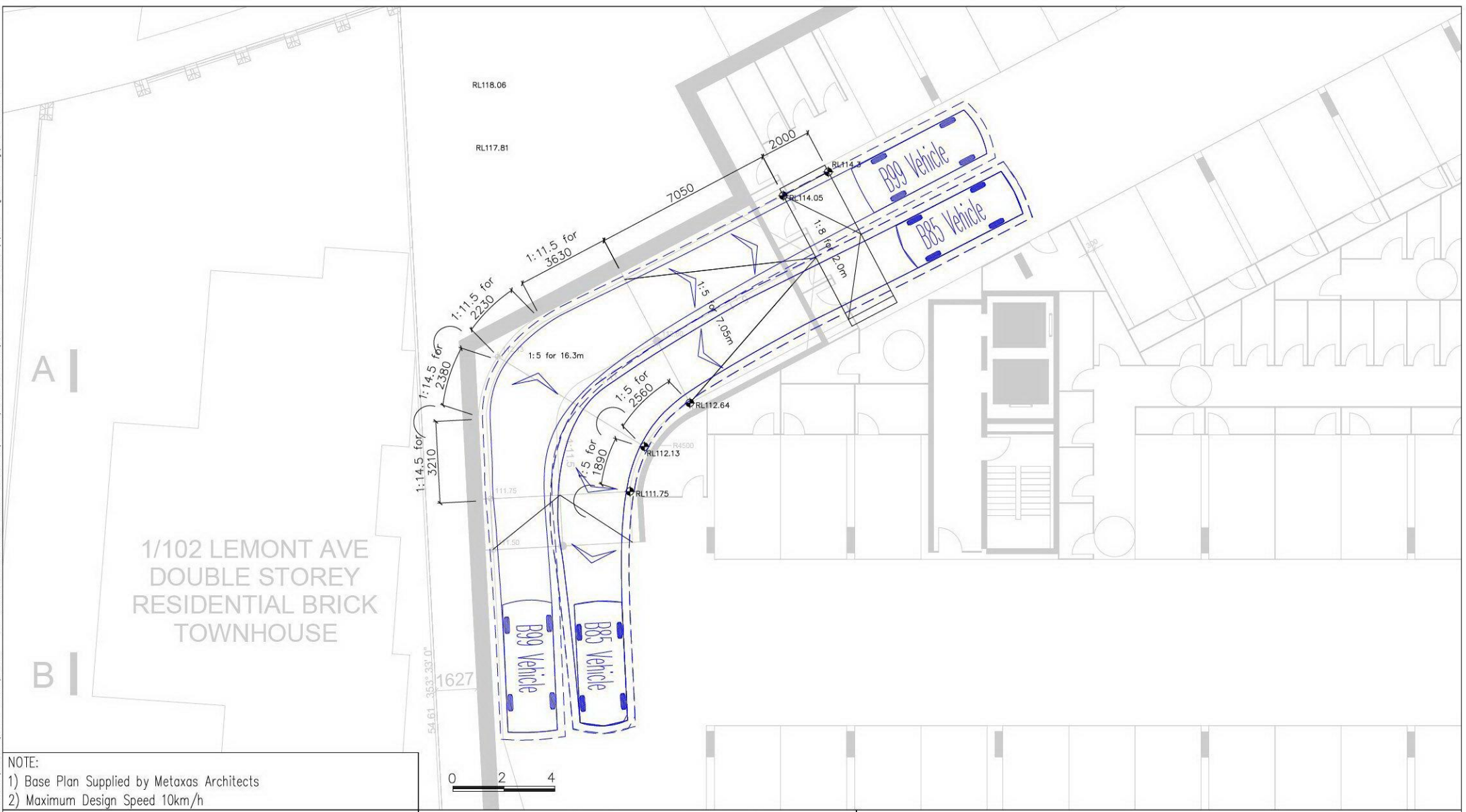
VEHICLE ENVELOPE (FORWARD)  
 300mm CLEARANCE (FORWARD)  
 VEHICLE ENVELOPE (REVERSE)  
 300mm CLEARANCE (REVERSE)

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 1 - Swept Path Assessment



RATIO REFERENCE	SHEET No.	SCALE	DATE
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\\RATIO\ELFP01\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVICE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG  
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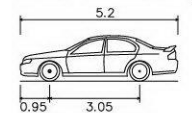


NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h

# ratio:

RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
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 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

B99 Vehicle (AS/NZS2890.1: 2004)



Overall Length	5.200m
Overall Width	1.940m
Overall Body Height	2.200m
Min Body Ground Clearance	0.312m
Track Width	1.840m
Lock to Lock Time	4.00 sec
Curb to Curb Turning Radius	6.30m

VEHICLE ENVELOPE (FORWARD)  
 300mm CLEARANCE (FORWARD)  
 VEHICLE ENVELOPE (REVERSE)  
 300mm CLEARANCE (REVERSE)

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 2 - Swept Path Assessment



RATIO REFERENCE	SHEET No.	SCALE	DATE
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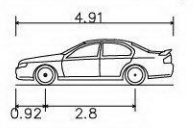
NOTE:  
 1) Base Plan Supplied by Metaxas Architects  
 2) Maximum Design Speed 10km/h



# ratio:

RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
 8 GWYNNE STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

B85 Vehicle (AS/NZS2890.1: 2004)



VEHICLE ENVELOPE (FORWARD)  
 300mm CLEARANCE (FORWARD)  
 VEHICLE ENVELOPE (REVERSE)  
 300mm CLEARANCE (REVERSE)

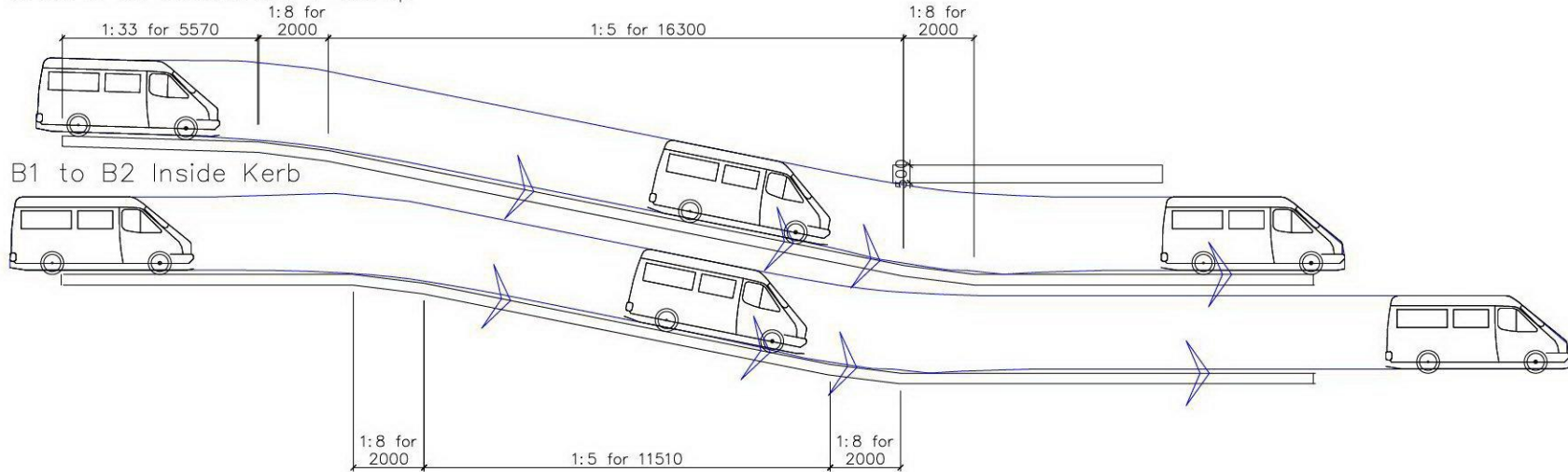
Overall Length 4.910m  
 Overall Width 1.870m  
 Overall Body Height 1.421m  
 Min Body Ground Clearance 0.159m  
 Track Width 1.770m  
 Lock to Lock Time 4.00 sec  
 Curb to Curb Turning Radius 5.80m

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Basement 2 - Swept Path Assessment

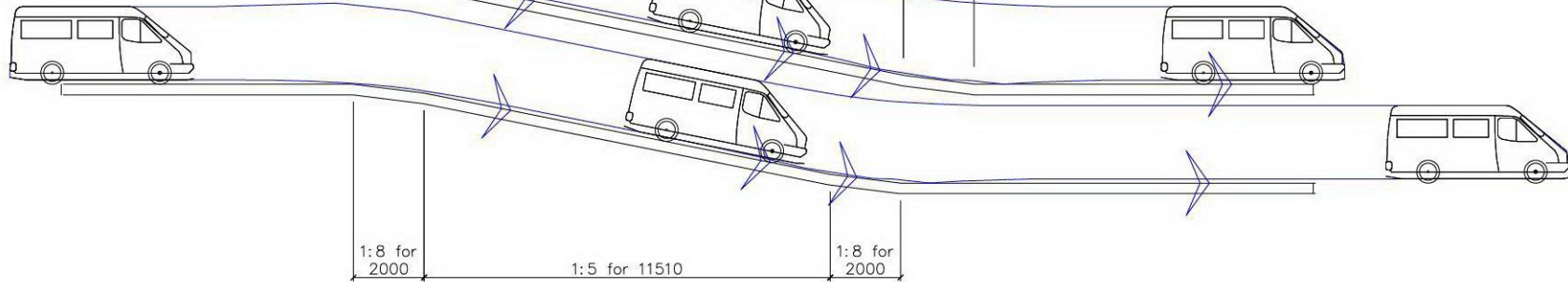


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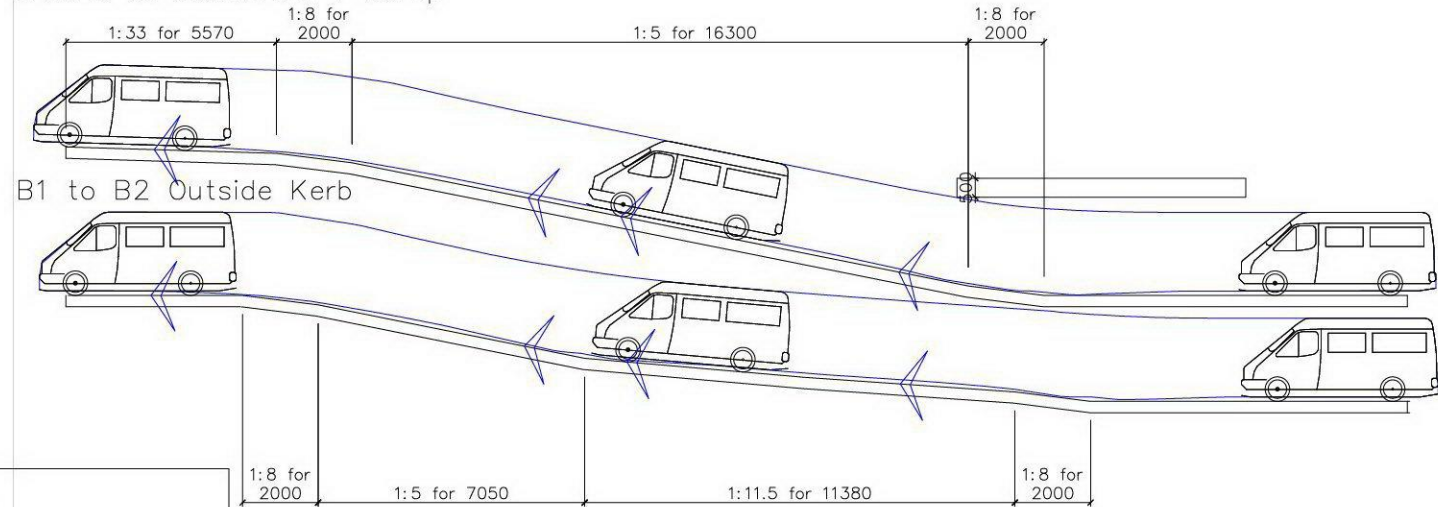
Ground to Basement 1 Ramp



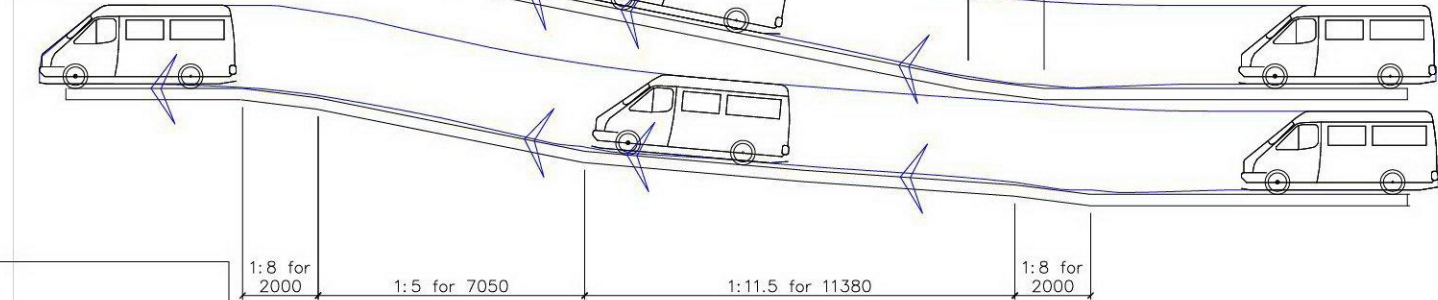
B1 to B2 Inside Kerb



Ground to Basement 1 Ramp



B1 to B2 Outside Kerb



NOTE:

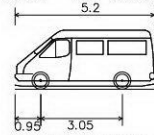
- 1) Base Plan Supplied by Metaxas Architects
- 2) Maximum Design Speed 10km/h



**ratio:**

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 ABN 005 422 104  
 8 GWYNNE STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

B99 Vertical Model (AS/NZS2890.1:2004)



Overall Length 5.200m  
 Overall Width 1.940m  
 Overall Body Height 2.200m  
 Min Body Ground Clearance 0.120m  
 Track Width 1.840m  
 Lock to Lock Time 4.00 sec  
 Curb to Curb Turning Radius 8.000m

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Vertical Clearance Assessment

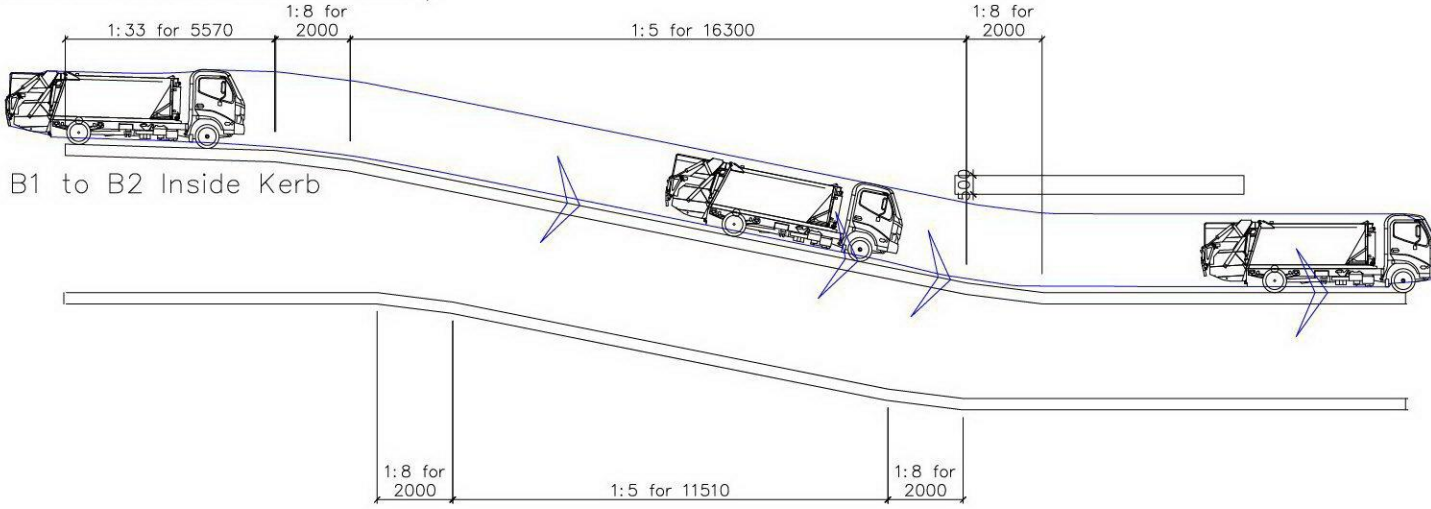


RATIO REFERENCE	SHEET No.	SCALE	DATE
16439T-SK09/LI	14 of 15	1:200@A4	01/11/2019

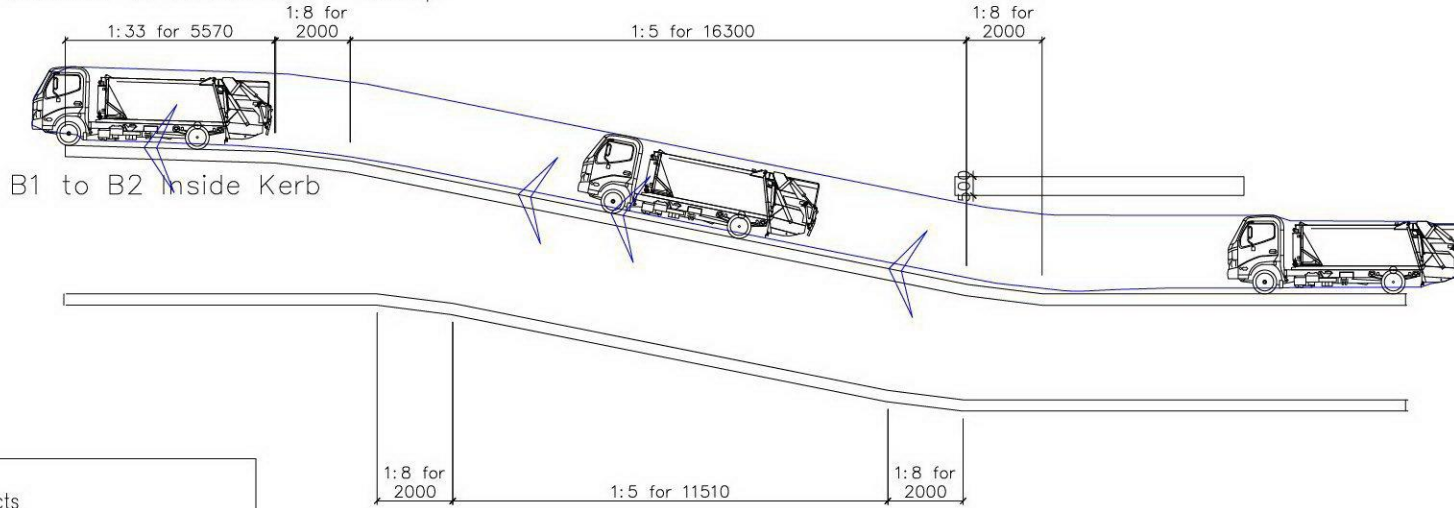
01/11/2019 12:04:35 PM \\RATIO\EPF01\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVICE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG

\\RATIO\PEP01\TRAFFIC\16000-16500\16439T - 445-467 BLACKBURN ROAD MOUNT WAVERLEY\DESIGN\SKETCH ADVICE (INCLUDING SWEEP PATHS)\SK09 - [2019.10.30]\16439T-SK09.DWG  
 01/11/2019 12:04:36 PM

Ground to Basement 1 Ramp



Ground to Basement 1 Ramp



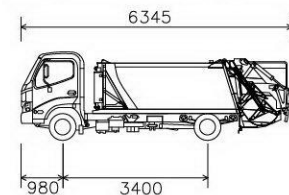
NOTE:

- 1) Base Plan Supplied by Metaxas Architects
- 2) Maximum Design Speed 10km/h

**ratio:**

RATIO CONSULTANTS PTY LTD  
 ABN 005 422 104  
 8 GWYNNE STREET  
 CREMORNE, VICTORIA 3121  
 TELEPHONE (03)9429 3111  
 FACSIMILE (03)9429 3011

Mini-Rear Loader Waste Collection Vehicle



- VEHICLE ENVELOPE (FORWARD)
- 300mm CLEARANCE (FORWARD)
- VEHICLE ENVELOPE (REVERSE)
- 300mm CLEARANCE (REVERSE)

Overall Length 6.345m  
 Body Width 1.700m  
 Overall Body Height 2.080m  
 Min Body Ground Clearance 0.205m  
 Track Width 1.670m  
 Lock to Lock Time 4.00 sec  
 Curb to Curb Turning Radius 6.450m

Proposed Mixed Use Development  
 445-467 Blackburn Road, Mount Waverley  
 Vertical Clearance Assessment



RATIO REFERENCE  
 16439T-SK09/LI

SHEET No.  
 15 of 15

SCALE  
 1:200@A4

DATE  
 01/11/2019

# Appendix C Bicycle Parking Specifications





# Arc de Triomphe™



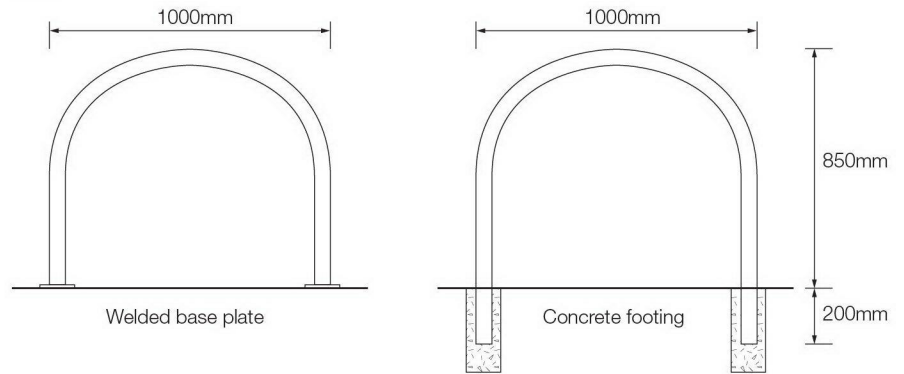
Galvanised finish / Stainless Steel finish

## Features



- Each rail supports two adult bikes in an upright position
- Can be either bolted to a concrete slab or concreted in situ
- Available in stainless steel or galvanised steel
- Provides the ability to lock both wheels and frame
- Suitable for foyers and entry areas

## Dimensions



## Specifications

### Material options

- Galvanised (Duragal)
- 316 Marine grade stainless steel

### Fixing options

- Welded flange - Bolt on
- In situ

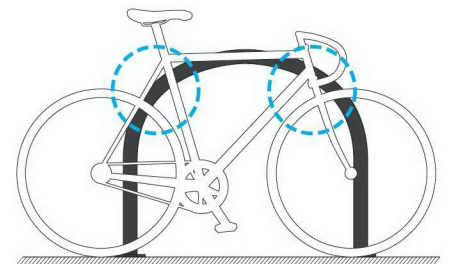
### Recommended fasteners

- Galvanised Dynabolts (M10 x 65mm)
- Stainless Dynabolts (M10 x 65mm)
- Shear Nut security fasteners

### Dimensions

1000mm [w] x 850mm [h]

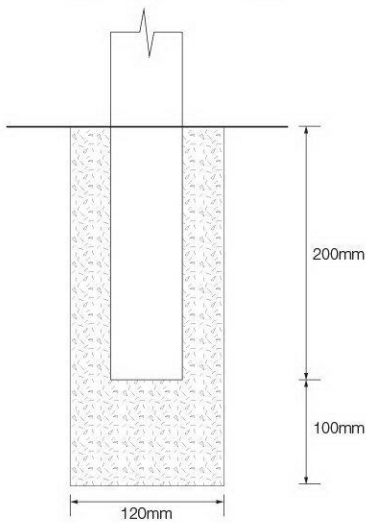
## Locking Points



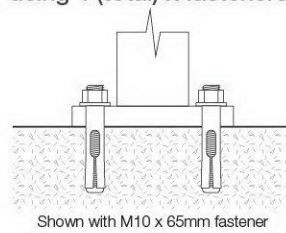
V4.1 - 1/05/2017 | Specification may be subject to change without notice. ©Bicycle Network

## Fixing options

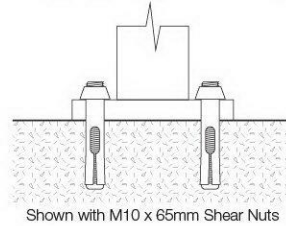
In situ (Concrete footing)



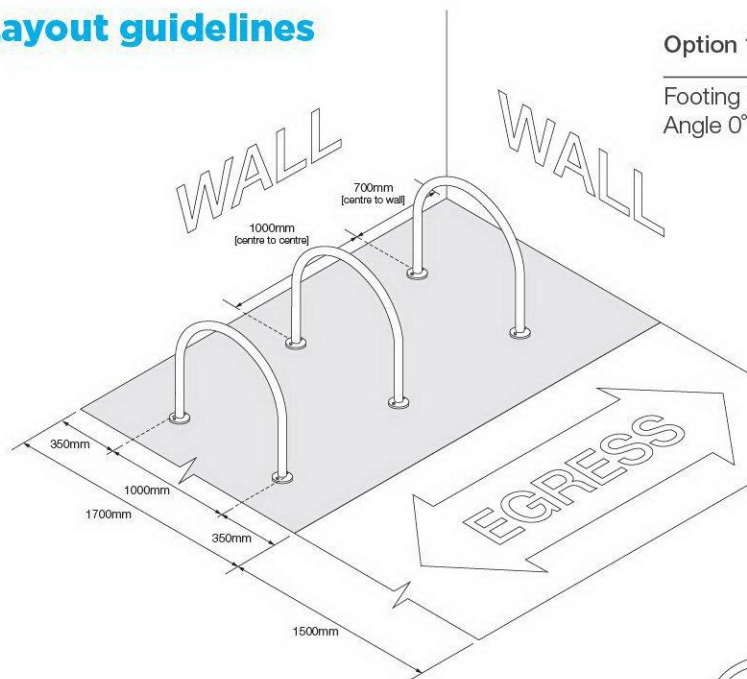
Welded flange (Bolt on)  
using 4 (total) x fasteners



Welded flange (Security heads)  
using 4 (total) x fasteners



## Layout guidelines

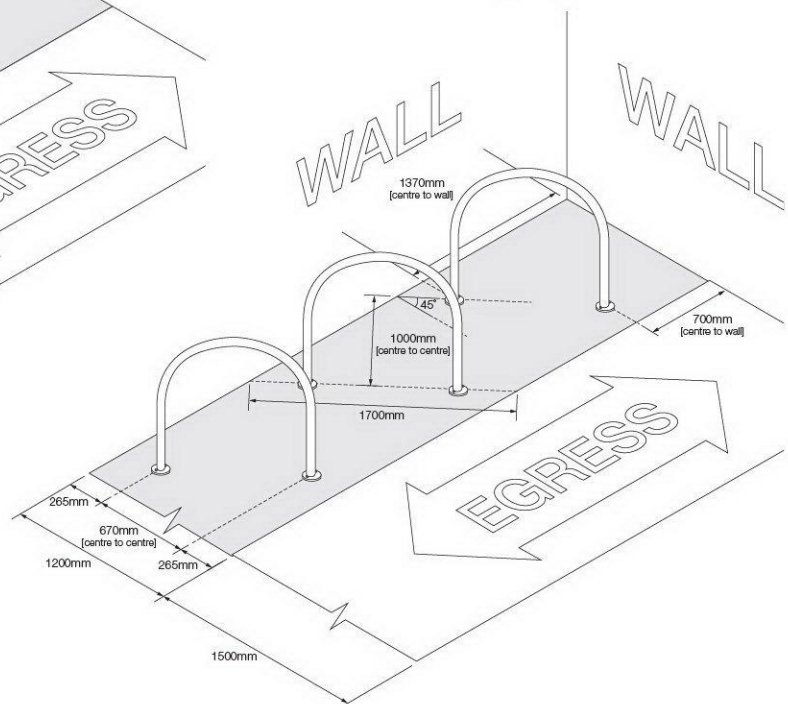


Option 1:

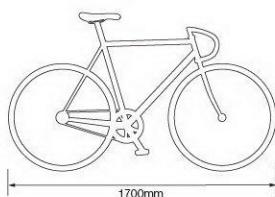
Footing Width 1700mm  
Angle 0°

Option 2:

Footing Width 1200mm  
Angle 45°



Typical Bicycle Length



V4.1 - 1/05/2017 | Specification may be subject to change without notice. ©Bicycle Network

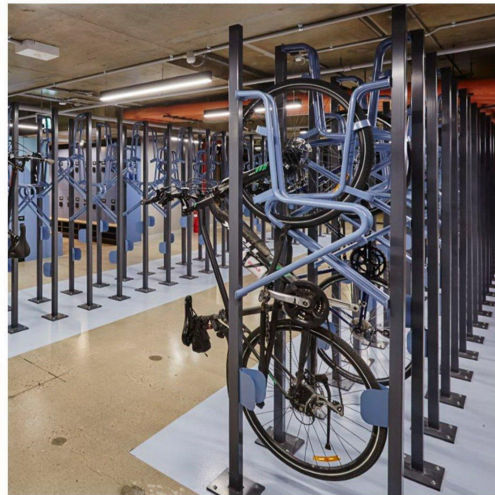
# The Cradle.



Spec Sheet

Five  
At  
Heart

# No more struggling to lift your bike onto a hook... easy on both you and your bike.



**Five  
At  
Heart**

The logo for Five At Heart features the text "Five At Heart" in a bold, black, sans-serif font. To the right of the text is a stylized heart shape composed of a black circle with five red lines radiating from its center, resembling a compass rose or a star.

# Wall Mounted.



## Material

Mild Steel

Powder coated finish (custom colours available, minimum order 20)

## Specification

### (X) Centre Spacing

AUS Standard (2890.3) 500mm (1'8")

Manufacturer Recommended 400mm (1'4")

Portland (OR) Standard 600mm (2') or 450mm (1'6") with approval

San Francisco (CA) Standard 400mm (1'4")

\*Note – Single Level Option (No Stagger) – requires minimum ceiling of 1900mm

AUS Standard (2890.3) 700mm (2'4")

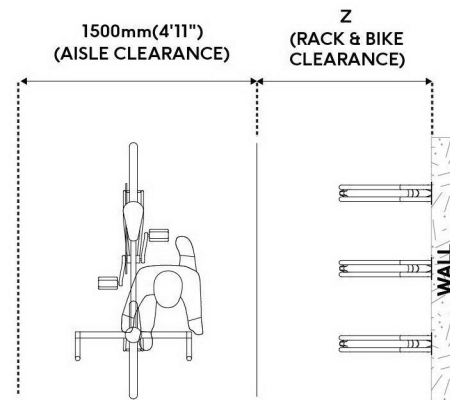
Manufacturer Recommended 600mm (2')

### (Z) Bike & Rack

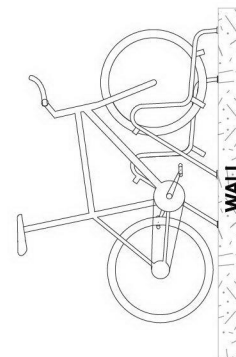
AUS Standard (2890.3) 1200mm (3'11")

Manufacturer Recommended 1100mm (3'7")

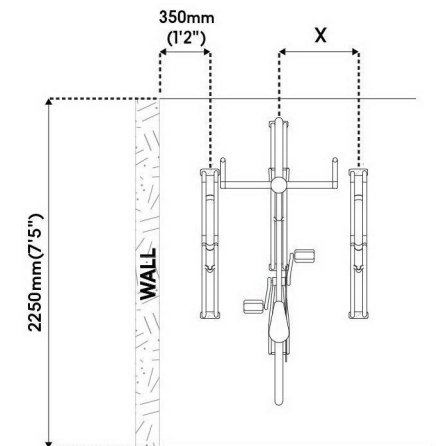
TOP VIEW



SIDE VIEW



FRONT VIEW



# Standard Steel Frame.

## Material

Mild Steel

Powder coated finish (custom colours available, minimum order 20)

Steel frame implemented for area with no existing walls (Custom colours available for horizontal and vertical members)

\*Note brackets and fixings not colour treated

## Floor Substrate

100mm Concrete (3 15/16") thick and in good condition

## Specification

### (X) Centre Spacing

AUS Standard (2890.3) 500mm (1'8")

Manufacturer Recommended 400mm (1'4")

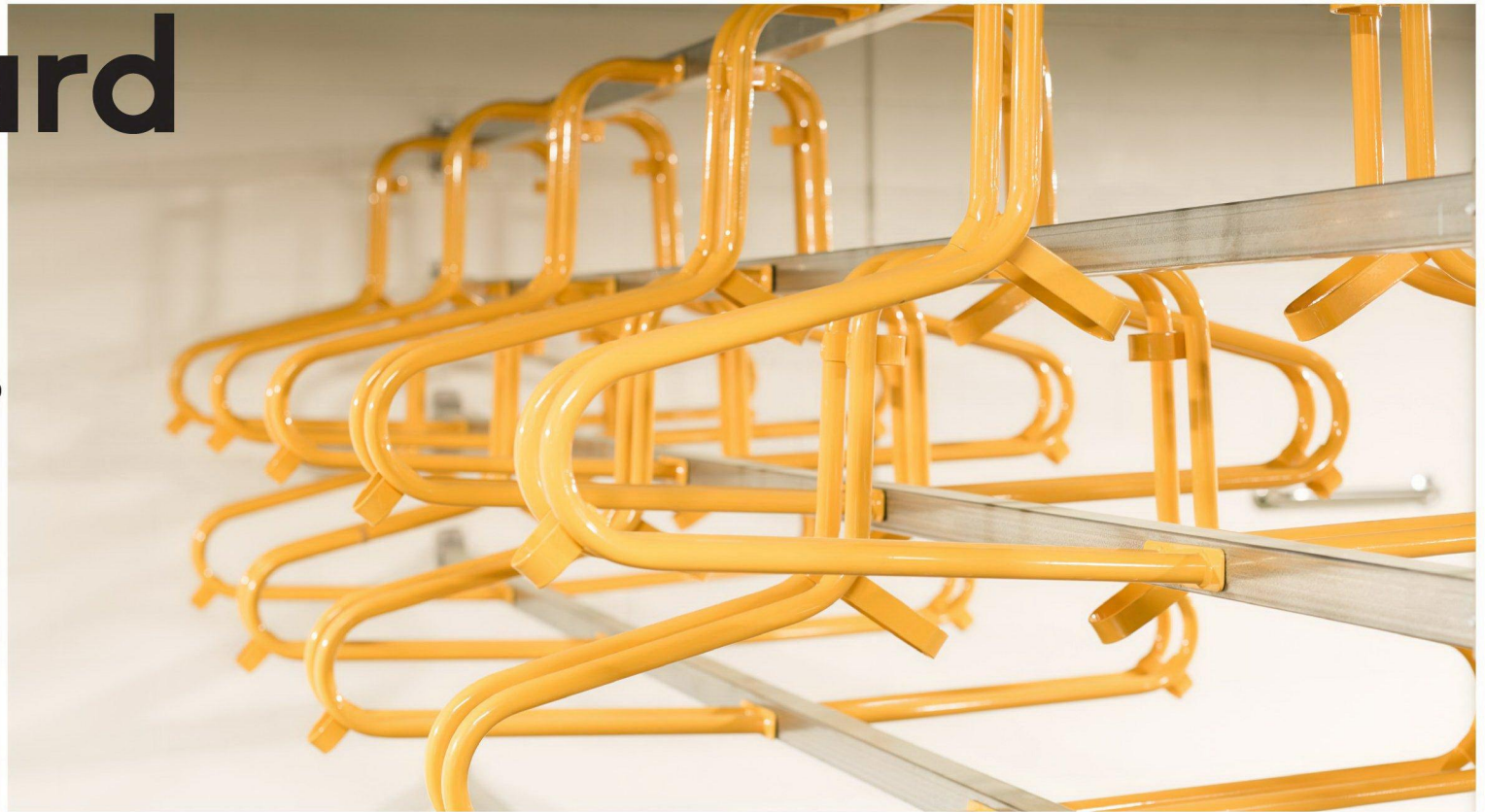
Portland (OR) Standard 600mm (2') or 450mm (1'6") with approval

San Francisco (CA) Standard 400mm (1'4")

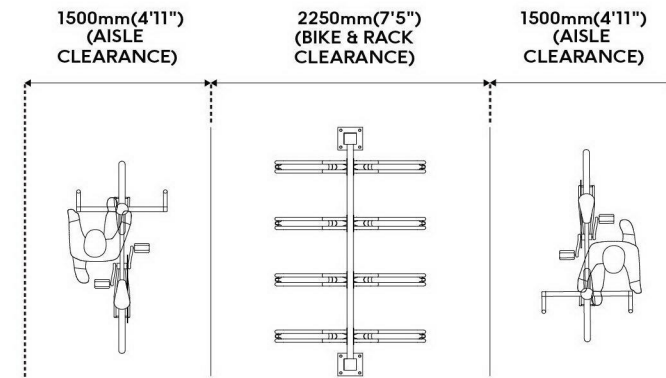
\*Note - Single Level Option (No Stagger) - requires minimum ceiling of 1900mm

AUS Standard (2890.3) 700mm (2'4")

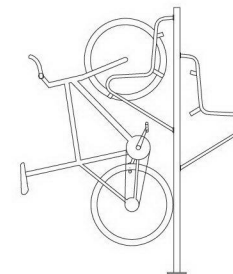
Manufacturer Recommended 600mm (2')



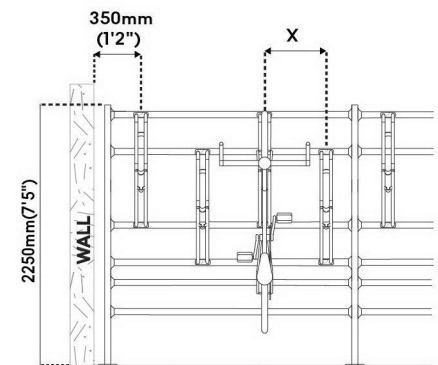
TOP VIEW



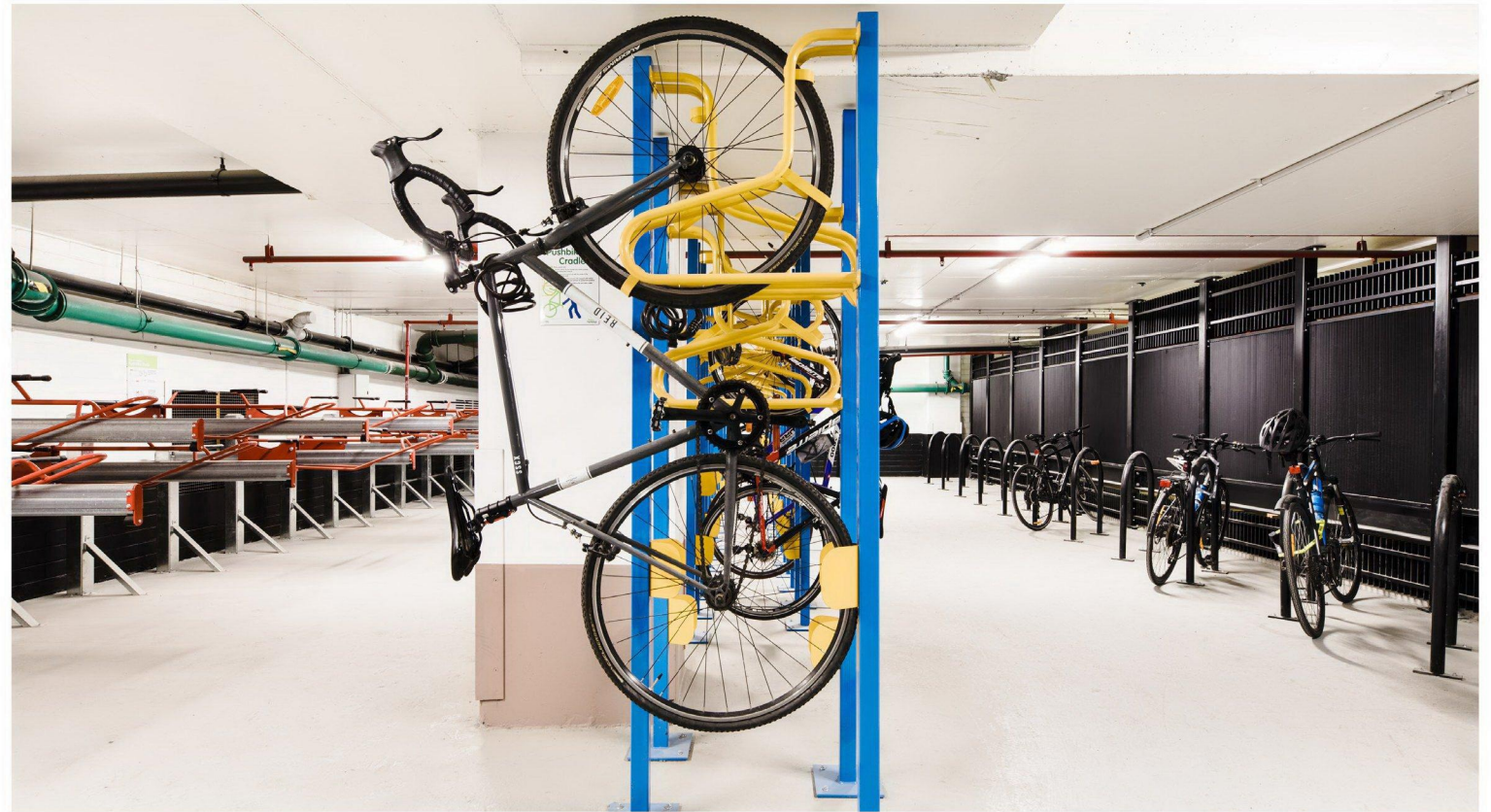
SIDE VIEW



FRONT VIEW



# Silver Bullet.



Five At Heart

The Cradle

## Material

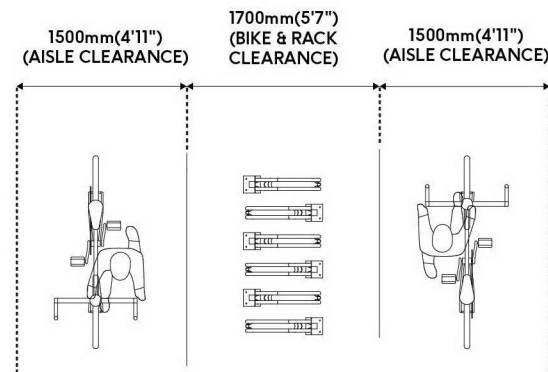
Mild Steel

Powder coated finish (custom colours available, minimum order 20)

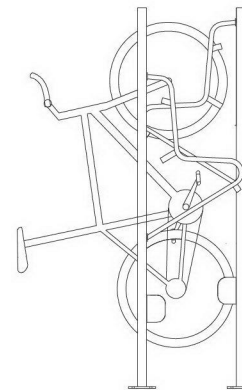
## Floor Substrate

100mm Concrete (3 15/16") thick and in good condition

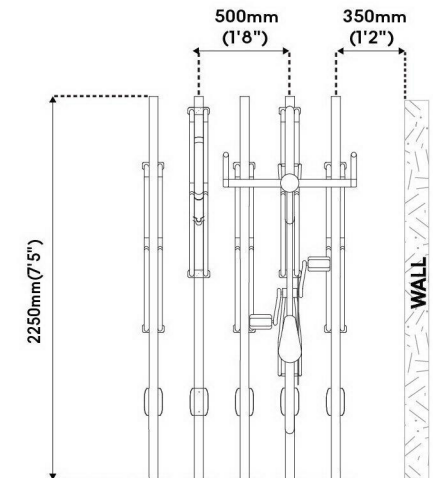
## TOP VIEW



## SIDE VIEW



## FRONT VIEW



# Cradle Warranty and Technical Data

## Warranty Information

Five At Heart products come with a standard 2 year warranty, effective from the handover date.

For the warranty period, we warrant that the equipment (and any materials) we supply will comply with the relevant standards at the date of installation.

This warranty is limited and may be excluded in part or in full in light of user damage or failure to install to Five At Heart specification.

We recommend a monthly visual inspection for signs of damage or need for cleaning.

Contact Five At Heart in the event of product damage.

## Fixing options/ and details

**Fig 1** Into Concrete Wall – M10/50mm (1 15/16") galvanised sleeve anchor

**Fig 2** Into Masonry Block work – Bugle screw and ram plug

**Fig 3** Into Timber Nogging – Bugle screw

**Fig 4** Into Steel Framing – 22mm (7/8") 14 gauge metal tek screw

## Product Weight

4kg

## Substrate Requirements

- Concrete – 100mm (3 15/16") thick and in good condition
- Cinder block
- Timber nogging
- Steel framing
- Timber floor – Mounting into a timber floor requires solid 70mm (2 3/4") timber for anything with an 150mm (5 7/8") base.

(any other surface must be approved by Five At Heart design team)

## Maintenance Requirements

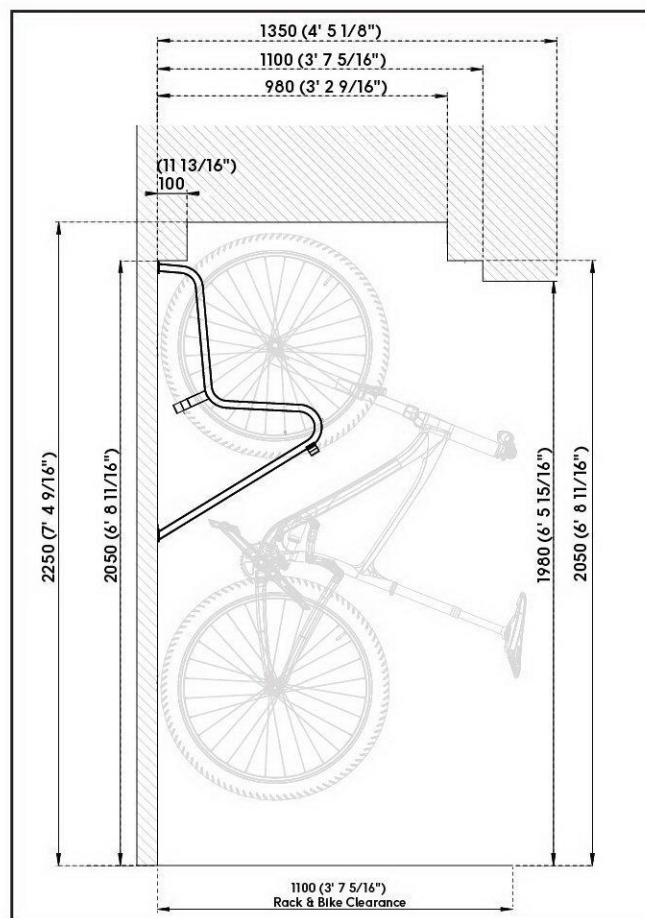
If any moving parts appear to be malfunctioning, discontinue use and contact Five At Heart.

## Cleaning

Cleaning should start at the time the products are installed, ensuring that construction materials such as concrete, plaster and paint splashes are removed before they have a chance to dry. Failure to remove these materials will require aggressive cleaning in the future, that may be harmful to the products.

Wipe with a damp cloth for surface cleaning. Regular cleaning may be done with a solution of warm water and a non-abrasive, pH neutral detergent solution. Surfaces should be thoroughly rinsed after cleaning to remove all residues.

**WARNING:** DO NOT UNDER ANY CIRCUMSTANCES USE STRONG SOLVENTS SUCH AS THINNERS OR SOLUTIONS CONTAINING CHLORINATED HYDROCARBONS, ESTERS OR KETONES. ABRASIVE



Service Clearance Map

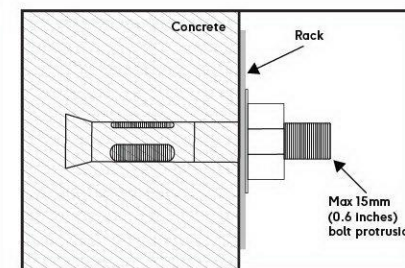


Fig 1/ Concrete Wall

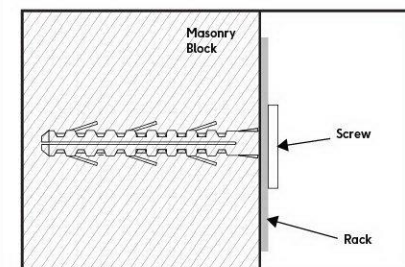


Fig 2/ Masonry Block

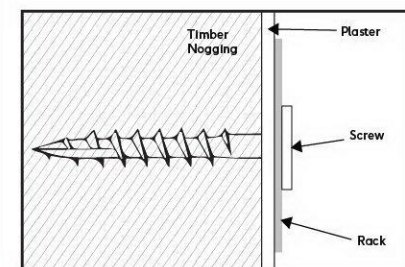


Fig 3/ Timber Nogging

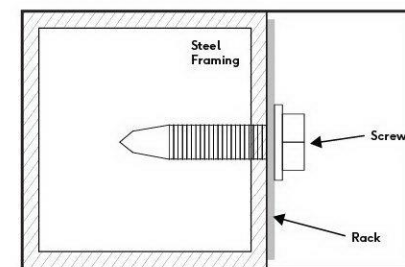
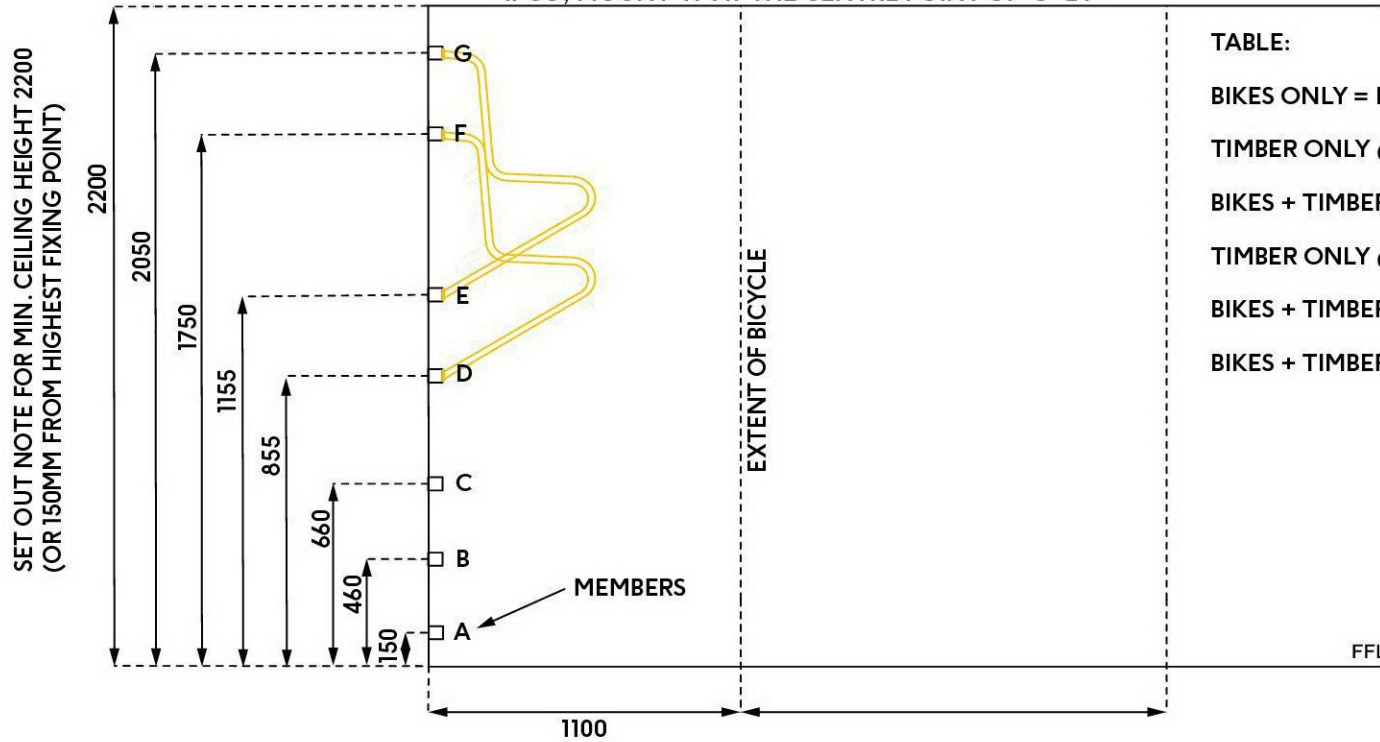


Fig 4/ Steel Framing



# Horizontal Member Chart

- I - 150MM FROM TOP OF FENCE
- H - 150MM FROM TOP OF FENCE UNLESS 'I' IS USED.  
IF SO, MOUNT 'H' AT THE CENTRE POINT OF 'G' & 'I'



### TABLE:

BIKES ONLY = B,C,D,E,F,G

TIMBER ONLY @ OR UNDER 2300H = A,D,G

BIKES + TIMBER UP TO 2300H = A,B,C,D,E,F,G

TIMBER ONLY @ OR ABOVE 2300H = A,D,G,I

BIKES + TIMBER BETWEEN 2300H - 3200H = A,B,C,D,E,F,G,H

BIKES + TIMBER OVER 3200H = A,B,C,D,E,F,G,H,I

# Five At Heart



Creating  
spaces  
for however  
you Roll...



[fiveatheart.com](http://fiveatheart.com)

**Australia**

1300 769 332 or [au\\_info@fiveatheart.com](mailto:au_info@fiveatheart.com)

**North America**

1888 218 3433 or [na\\_info@fiveatheart.com](mailto:na_info@fiveatheart.com)

**Europe**

(+44) 20313 71966 or [eu\\_info@fiveatheart.com](mailto:eu_info@fiveatheart.com)

### AM Peak Hour Future Conditions Movement Summaries

#### MOVEMENT SUMMARY

Site: 101 [FU AM Blackburn Northbound]

Network: N101 [FU AM]

New Site  
 Site Category: (None)  
 Giveaway / Yield (Two-Way)

Movement Performance - Vehicles														
Mov ID	Turn	Demand Flows Total veh/h	HV %	Arrival Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
<b>South: Blackburn Road</b>														
1	L2	56	4.0	56	4.0	0.313	5.6	LOS A	0.0	0.0	0.00	0.06	0.00	57.6
2	T1	1725	4.0	1725	4.0	0.313	0.0	LOS A	0.0	0.0	0.00	0.02	0.00	59.8
Approach		1781	4.0	1781	4.0	0.313	0.2	NA	0.0	0.0	0.00	0.02	0.00	59.7
<b>East: Staged right turn</b>														
5	T1	32	4.0	32	4.0	0.131	16.4	LOS C	0.5	3.3	0.86	0.93	0.86	38.2
6	R2	2	4.0	2	4.0	0.131	34.2	LOS D	0.5	3.3	0.86	0.93	0.86	37.3
Approach		34	4.0	34	4.0	0.131	17.5	LOS C	0.5	3.3	0.86	0.93	0.86	38.2
<b>West: Lemont Ave</b>														
10	L2	61	4.0	61	4.0	0.130	9.5	LOS A	0.5	3.5	0.54	0.77	0.54	50.6
11	T1	74	4.0	74	4.0	0.534	27.9	LOS D	1.2	8.4	0.88	1.03	1.19	31.5
Approach		155	4.0	155	4.0	0.534	18.2	LOS C	1.2	8.4	0.70	0.89	0.85	42.5
All Vehicles		1969	4.0	1969	4.0	0.534	1.9	NA	1.2	8.4	0.07	0.10	0.08	57.9

#### MOVEMENT SUMMARY

Site: 102 [FU AM Blackburn Southbound]

Network: N101 [FU AM]

New Site  
 Site Category: (None)  
 Giveaway / Yield (Two-Way)

Movement Performance - Vehicles														
Mov ID	Turn	Demand Flows Total veh/h	HV %	Arrival Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
<b>North: Blackburn Road</b>														
8	T1	2182	4.0	2182	4.0	0.383	0.1	LOS A	0.0	0.0	0.00	0.00	0.00	59.9
9	R2	34	4.0	34	4.0	0.019	5.8	LOS A	0.0	0.0	0.00	0.63	0.00	50.5
Approach		2216	4.0	2216	4.0	0.383	0.1	NA	0.0	0.0	0.00	0.01	0.00	59.8
<b>West: Staged right turn</b>														
12	R2	74	4.0	74	4.0	0.828	100.1	LOS F	2.4	17.4	0.99	1.21	1.93	13.9
Approach		74	4.0	74	4.0	0.828	100.1	LOS F	2.4	17.4	0.99	1.21	1.93	13.9
All Vehicles		2289	4.0	2289	4.0	0.828	3.4	NA	2.4	17.4	0.03	0.05	0.06	56.7

### PM Peak Hour Future Conditions Movement Summaries

#### MOVEMENT SUMMARY

Site: 101 [FU PM Blackburn Northbound]

Network: N101 [FU PM]

New Site  
 Site Category: (None)  
 Giveaway / Yield (Two-Way)

Movement Performance - Vehicles														
Mov ID	Turn	Demand Flows Total veh/h	HV %	Arrival Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
<b>South: Blackburn Road</b>														
1	L2	101	4.0	101	4.0	0.451	5.6	LOS A	0.0	0.0	0.00	0.07	0.00	57.5
2	T1	2464	4.0	2464	4.0	0.451	0.1	LOS A	0.0	0.0	0.00	0.02	0.00	59.7
Approach		2565	4.0	2565	4.0	0.451	0.3	NA	0.0	0.0	0.00	0.02	0.00	59.6
<b>East: Staged right turn</b>														
5	T1	28	4.0	28	4.0	0.443	68.3	LOS F	1.4	10.2	0.98	1.03	1.14	18.1
6	R2	3	4.0	3	4.0	0.443	142.3	LOS F	1.4	10.2	0.98	1.03	1.14	17.9
Approach		32	4.0	32	4.0	0.443	75.7	LOS F	1.4	10.2	0.98	1.03	1.14	18.1
<b>West: Lemont Ave</b>														
10	L2	57	4.0	57	4.0	0.129	12.4	LOS B	0.5	3.3	0.66	0.85	0.66	48.6
11	T1	31	4.0	31	4.0	0.356	60.8	LOS F	1.1	8.3	0.97	1.01	1.09	20.2
Approach		87	4.0	87	4.0	0.356	29.3	LOS D	1.1	8.3	0.77	0.91	0.81	37.4
All Vehicles		2684	4.0	2684	4.0	0.451	2.1	NA	1.4	10.2	0.04	0.06	0.04	57.8



**MOVEMENT SUMMARY**

Site: 102 [FU PM Blackburn Southbound]

Network: N101 [FU PM]

New Site  
 Site Category: (None)  
 Giveaway / Yield (Two-Way)

Movement Performance - Vehicles														
Mov ID	Turn	Demand Total	Flows HV %	Arrival Total	Flows HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles	Queue Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
<b>North: Blackburn Road</b>														
8	T1	1279	4.0	1279	4.0	0.224	0.0	LOS A	0.0	0.0	0.00	0.00	0.00	60.0
9	R2	32	4.0	32	4.0	0.017	5.8	LOS A	0.0	0.0	0.00	0.63	0.00	50.5
Approach		1311	4.0	1311	4.0	0.224	0.2	NA	0.0	0.0	0.00	0.02	0.00	59.8
<b>West: Staged right turn</b>														
12	R2	31	4.0	31	4.0	0.096	12.2	LOS B	0.3	2.3	0.75	0.88	0.75	40.4
Approach		31	4.0	31	4.0	0.096	12.2	LOS B	0.3	2.3	0.75	0.88	0.75	40.4
All Vehicles		1341	4.0	1341	4.0	0.224	0.4	NA	0.3	2.3	0.02	0.03	0.02	59.5

