SJB Architects

Additional Visual Analysis Photomontages

Prepared for
Ethos Urban

Issued
30 August 2018

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At SJB we believe that the future of the city is in generating a rich urban experience through the delivery of density and activity, facilitated by land uses, at various scales, designed for everyone.

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15.08.18	01	TH	Draft to EU
27.08.18	02	TH	Issue to EU
30.08.18	03	TH	Issue to EU

Background

1

This document was prepared by SJB Architects which includes a description of processes used to create the visual impact photomontages and illustrate accurately to the results.

The photomontages are accurate to NSW land and environment court requirements in its provision to 3D visualisation media in order to communicate a v developments' design and visual impact.

Overview

The general processes in creating accurate photomontage renderings involves the creation of an accurate, real world scale digital 3D model. SJB Architects have taken site photosgraphs and placed surveyed viewpoints in the 3D model that matches the real world positioning of the photographs taken on site.

The camera position are surveyed to identified to Map Grid of Australia (MGA) coordinates at each point.

By matching the real world camera lenses properties and angles to the 3D software, we are able to align the corresponding points on the photograph to create a rendering that is accurate to the positioning, scale, rotation and perspective of the real world image.

The rendering is then superimposed into the real photo to generate an image representing accuracy in form and visual impact.

Description of Collected Data

To create the 3D model with accurate reference points for alignment to the photography, information that are collected includes;

1. Architectural design of potential building outcome
   - Created by: COX Architecture & SJB Architects
   - Format: 3dm. Rhino File

2. Surveyed data
   - Created by: Rygate & Co. Pty Ltd
   - Format: DWG File

3. Site photography
   - Created by: SJB Architects
   - Format: JPEG File

4. Surveyed 3D context model
   - Created by : AAM
   - Format: DWG File

Methodology

Site Photography

Site photography was taken from the predetermined positions as instructed by Ethos Urban
These locations were selected in consultation with Ethos Urban

Photographs were taken using a Canon EOS D6 Digitial Camera, using a 16-35 f2.8L Lens

3D Model

Using the imported surveyed data into our 3D software (Rhino), we then imported the supplied 3D model of the potential outcome into the site.

Alignment

The position of the real world photography will be aligned in the 3D scene. Camera points will then be created in the model to match surveyed locations and height of camera of which the photographs were taken from. They were then aligned to the angle of rotation so that the points of the 3D model will match their corresponding objects that are visible to the photographs.

Rendering of the building envelope massing was then created from the aligned camera points and montaged into the existing photographs in its approximate location, producing an accurate representation of new building envelope in respect to the existing context. This process portrays the level of visibility and impact of the built form.

Personnel

The photomontages were prepared by the following people:

Francisco Layson
M.Arch, University of Technology, Sydney

Tracey Hau
M.Arch, University of Technology, Sydney

Lulu Vitorelli
M.Arch, Politecnico di Milano, Milan

Moore Park Stadium - Visual Impact Study

2

2.1 View Locations

View Number	Location	Direction
13	SCG - Outside	NE
14	SCG - Outside	N
15	Driver Avenue	SE
16	Driver Avenue	NE
17	Gregory Avenue (Under Tibby Cotter Bridge)	E
18	Outside 254-262 Moore Park Road	W
19	Outside 228 Moore Park Road	SE
20	Outside 34 Moore Park Road	E
21	SCG - Victor Trumper Stand	NE
22	SCG - Clive Churchill Stand	N

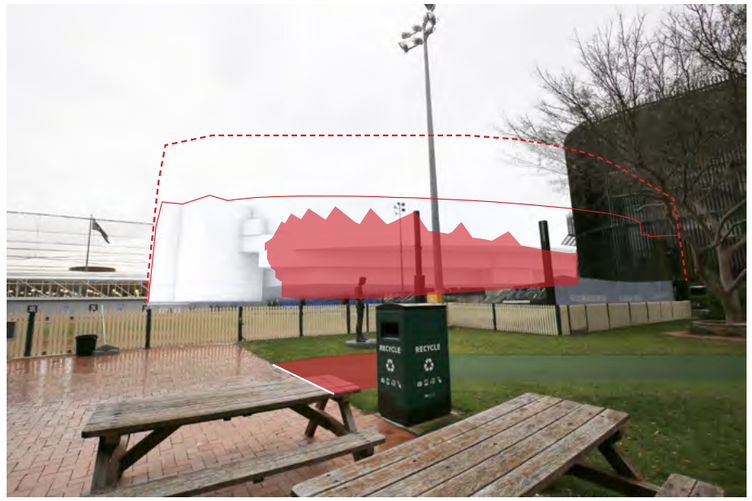
Key

View Locations

2.2 Camera Position 13 - Overview

Photograph Location : SCG

Original Photograph



Original Photograph showing Alignment Points

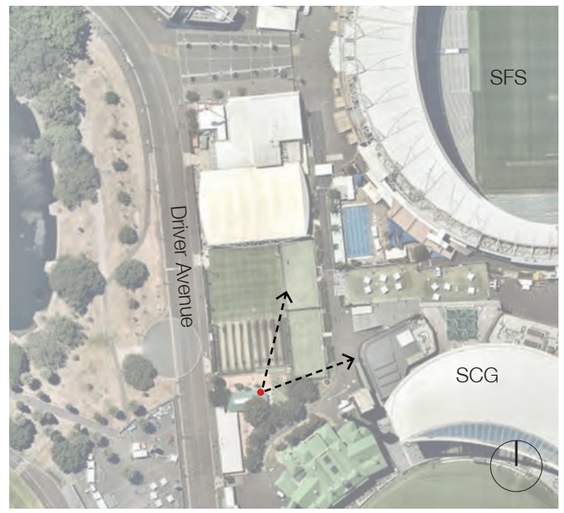
Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm



2.3 Camera Position 13 - Original Photograph

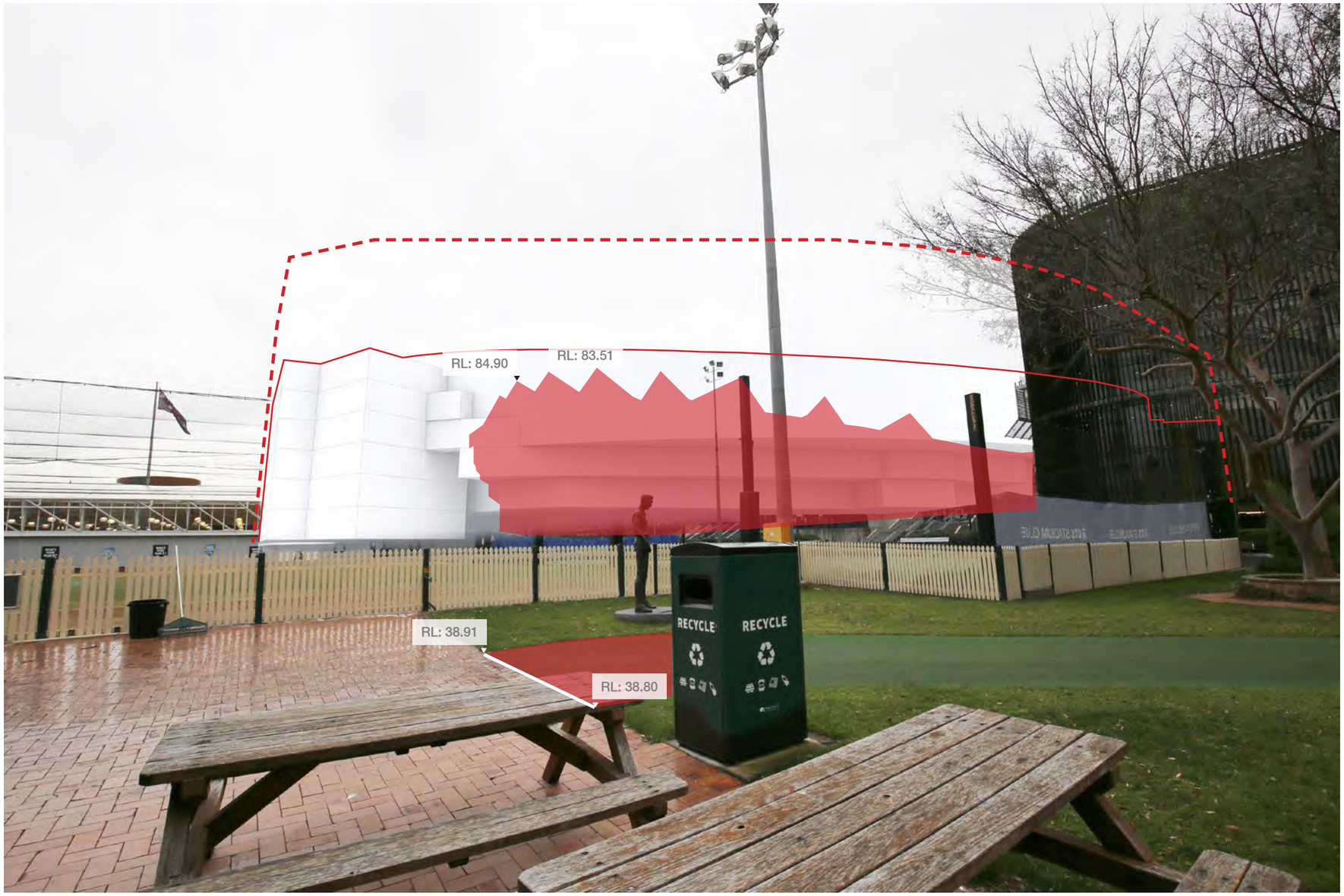
Photograph Location : SCG

Photo date - 06/08/2018

Photo Lens - 16mm

2.4 Camera Position 13 - Original Photograph showing Alignment Points

Photograph Location : SCG



Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm

2.5 Camera Position 13 - Photomontage of Potential Outcome

Photograph Location : SCG

Key

Loose Fit Envelope

Potential Outcome

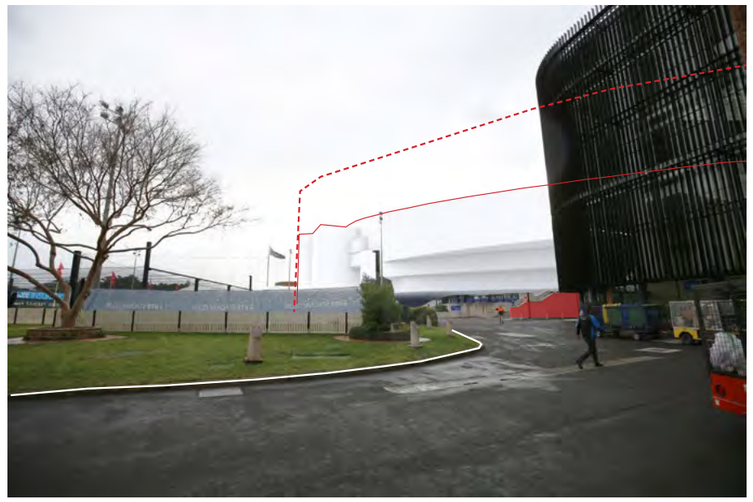
Photo date - 06/08/2018

Photo Lens - 16mm

2.6 Camera Position 14 - Overview

Photograph Location : SCG

Original Photograph



Original Photograph showing Alignment Points

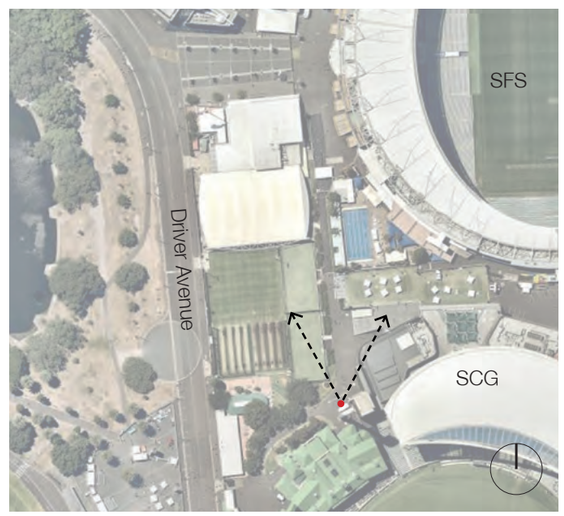
Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm



2.7 Camera Position 14 - Original Photograph

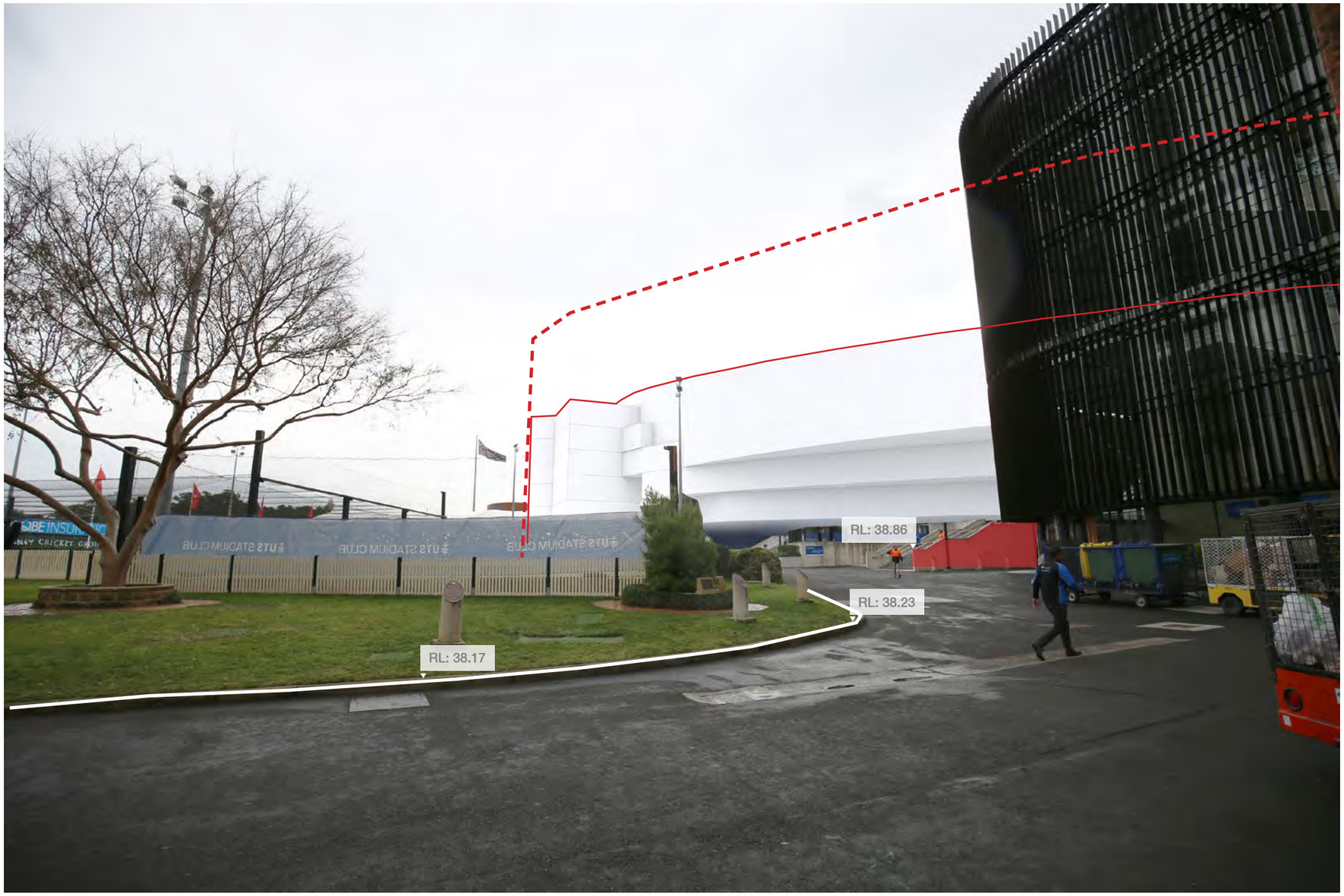
Photograph Location : SCG

Photo date - 06/08/2018

Photo Lens - 16mm

2.8 Camera Position 14 - Original Photograph showing Alignment Points

Photograph Location : Memorial Obelisk - Moore Park Road



Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm

2.9 Camera Position 14 - Photomontage of Potential Outcome

Photograph Location : SCG

Key

Loose Fit Envelope

Potential Outcome

Photo date - 06/08/2018

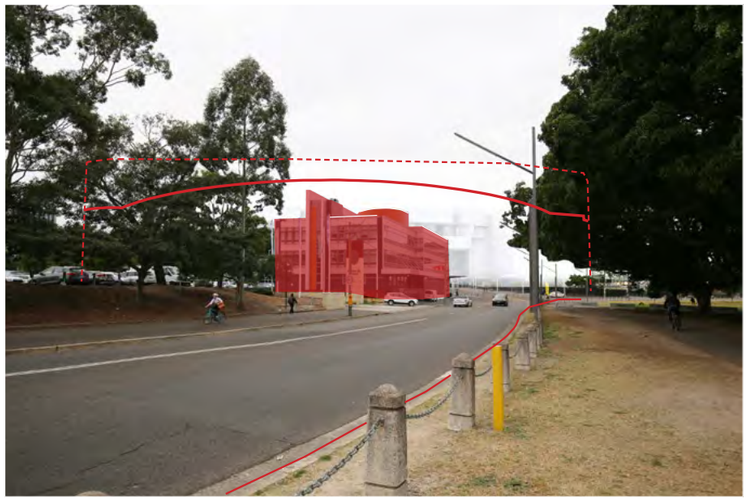
Photo Lens - 16mm

2.10 Camera Position 15 - Overview

Photograph Location : Driver Avenue

DRAFT

Original Photograph



Original Photograph showing Alignment Points

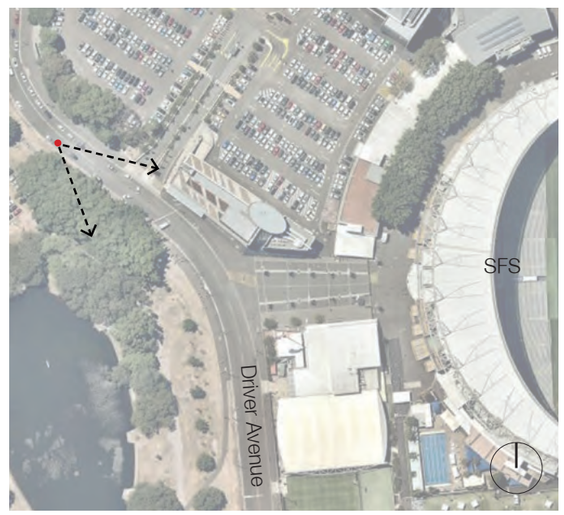
Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 24mm



2.11 Camera Position 15 - Original Photograph

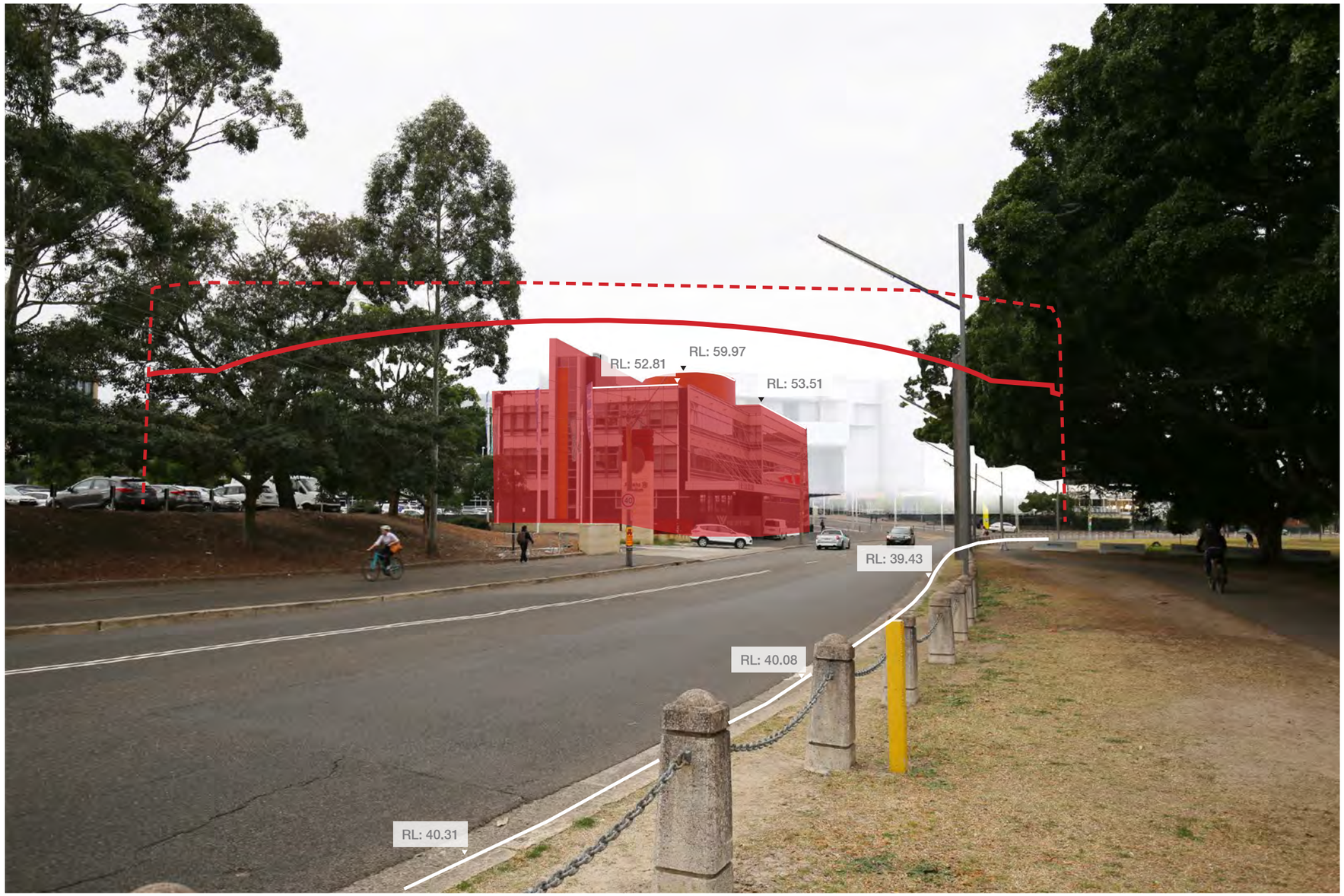
Photograph Location : Driver Avenue

Photo date - 06/08/2018

Photo Lens - 24mm

2.12 Camera Position 15 - Original Photograph showing Alignment Points

Photograph Location : Driver Avenue



Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 24mm

2.13 Camera Position 15 - Photomontage of Potential Outcome

Photograph Location : Driver Avenue

Key

- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 24mm

2.14 Camera Position 16 - Overview

Photograph Location : Driver Avenue

Original Photograph

Original Photograph showing Alignment Points

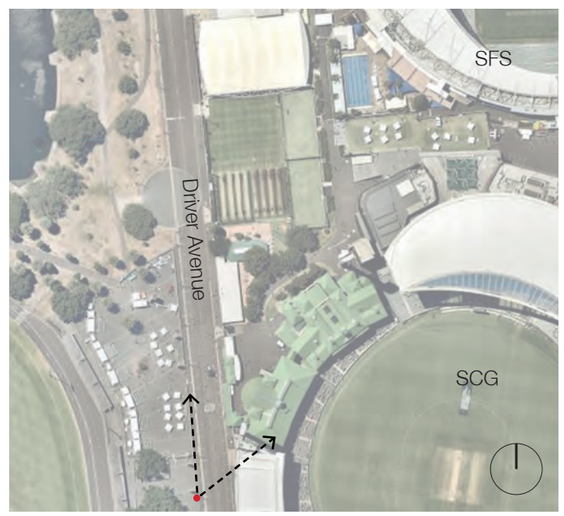
Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm



2.15 Camera Position 16 - Original Photograph

Photograph Location : Driver Avenue

Photo date - 06/08/2018

Photo Lens - 16mm

2.16 Camera Position 16 - Original Photograph showing Alignment Points

Photograph Location : Driver Avenue

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 24mm

2.17 Camera Position 16 - Photomontage of Potential Outcome

Photograph Location : Driver Avenue

Key

- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 24mm

2.18 Camera Position 17 - Overview

Photograph Location : Gregory Avenue

Original Photograph

Original Photograph showing Alignment Points

Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 24mm

2.19 Camera Position 17 - Original Photograph

Photograph Location : Gregory Avenue

Photo date - 06/08/2018

Photo Lens - 24 mm

2.20 Camera Position 17 - Original Photograph showing Alignment Points

Photograph Location : Gregory Avenue

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 24mm

2.21 Camera Position 17 - Photomontage of Potential Outcome

Photograph Location : Gregory Avenue

Key

- Loose Fit Envelope
- Potential Outcome

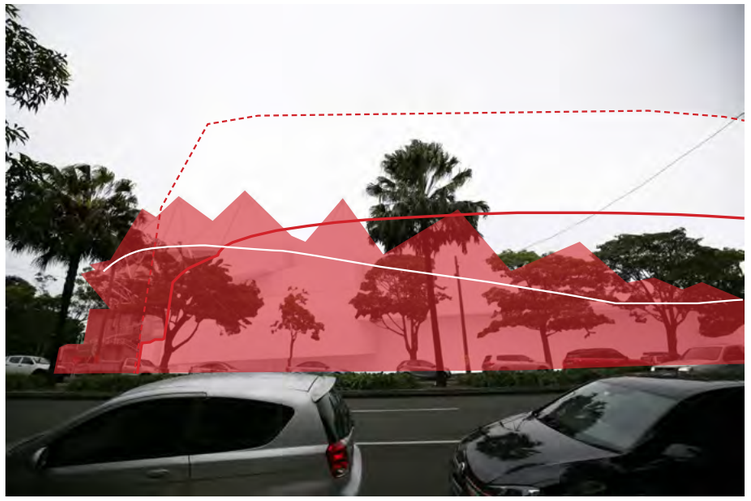
Photo date - 06/08/2018

Photo Lens - 24mm

2.22 Camera Position 18 - Overview

Photograph Location : Outside 254-262 Moore Park Road

Original Photograph



Original Photograph showing Alignment Points

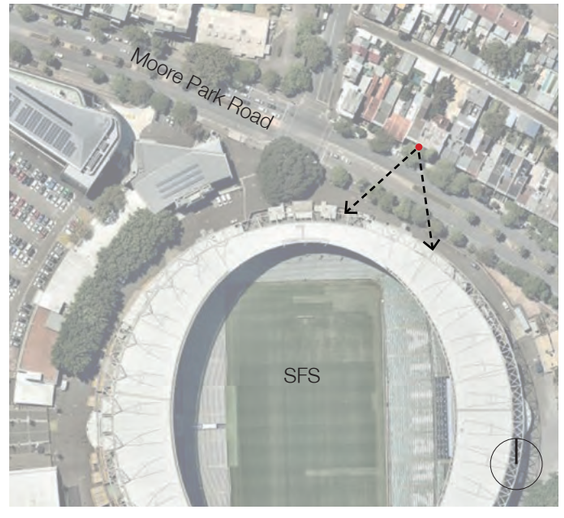
Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm



2.23 Camera Position 18- Original Photograph

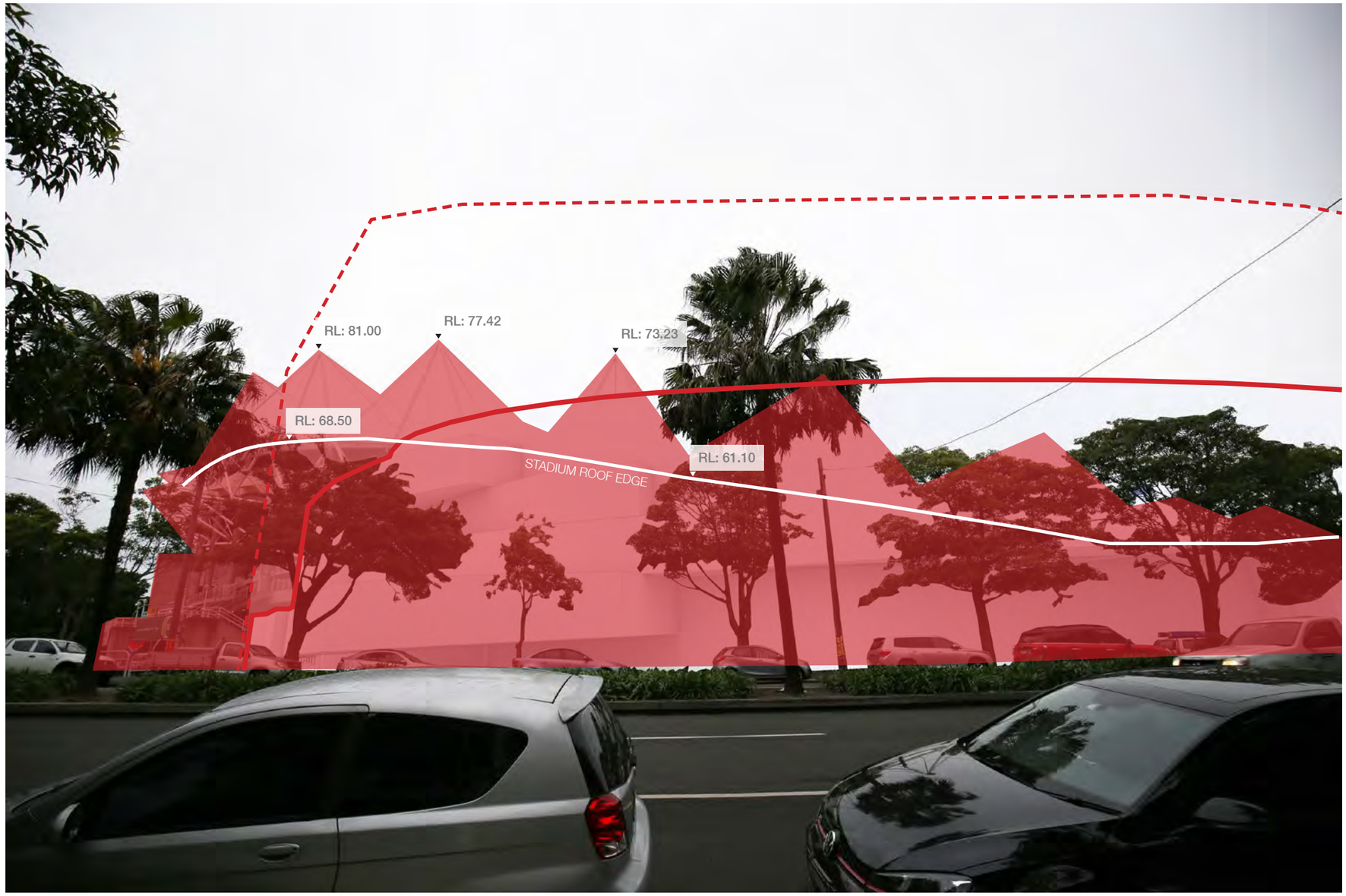
Photograph Location : Outside 254-262 Moore Park Road

Photo date - 06/08/2018

Photo Lens - 16mm

2.24 Camera Position 18 - Original Photo showing Alignment Points

Photograph Location : Outside 254-262 Moore Park Road



Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm

2.25 Camera Position 18 - Photomontage of Potential Outcome

Photograph Location : Outside 254-262 Moore Park Road

Key

- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm

2.26 Camera Position 19 - Overview

Photograph Location : Outside 228 Moore Park Road

Original Photograph

Original Photograph showing Alignment Points

Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 18mm

2.27 Camera Position 19 - Original Photograph

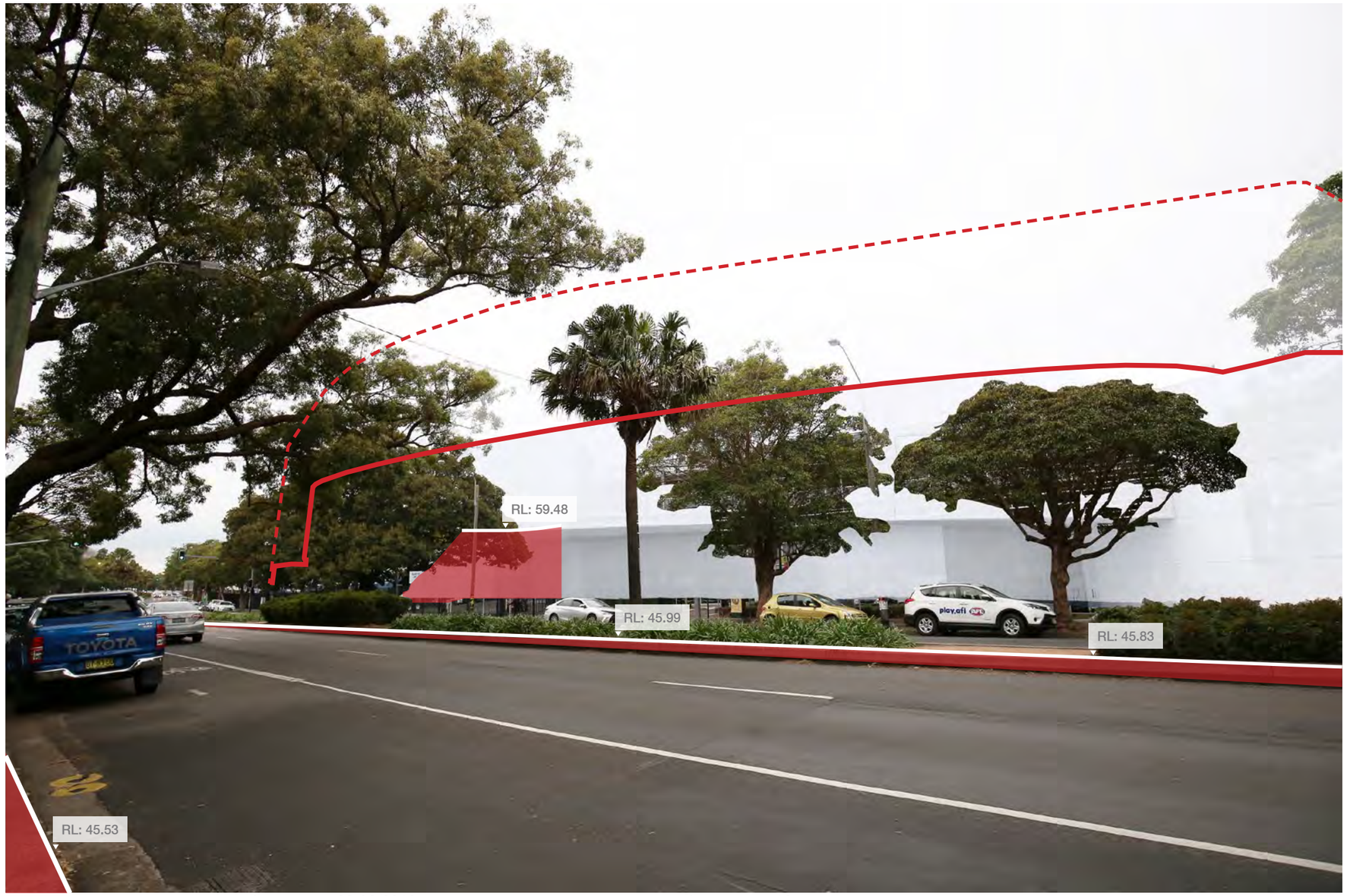
Photograph Location : Outside 228 Moore Park Road

Photo date - 06/08/2018

Photo Lens - 18mm

2.28 Camera Position 19 - Original Photo showing Alignment Points

Photograph Location : Outside 228 Moore Park Road



Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 18mm

2.29 Camera Position 19 - Photomontage of Potential Outcome

Photograph Location : Outside 228 Moore Park Road

Key

- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 18mm

2.30 Camera Position 20 - Overview

Photograph Location : Outside 34 Moore Park Road

Original Photograph

Original Photograph showing Alignment Points

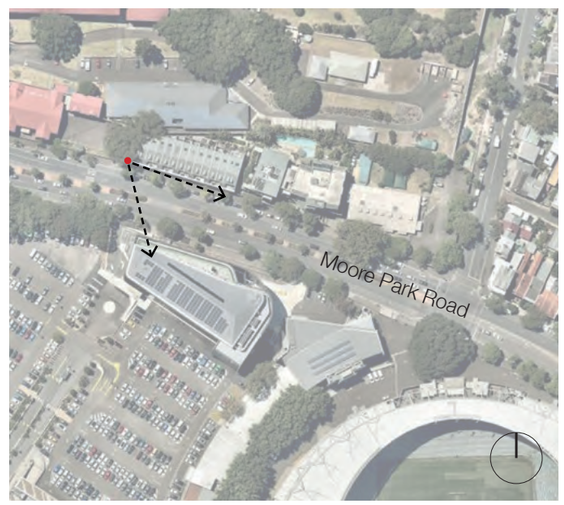
Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm



2.31 Camera Position 20 - Original Photograph

Photograph Location : Outside 34 Moore Park Road

Photo date - 06/08/2018

Photo Lens - 16mm

2.32 Camera Position 20 - Original Photograph showing Alignment Points

Photograph Location : Outside 34 Moore Park Road

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm

2.33 Camera Position 20 - Photomontage of Potential Outcome

Photograph Location : Outside 34 Moore Park Road

Key

- Loose Fit Envelope
- Potential Outcome

Photo date - 06/08/2018

Photo Lens - 16mm

2.34 Camera Position 21 - Overview

Photograph Location : Victor Trumper Stand, SCG

Original Photograph

Original Photograph showing Alignment Points

Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 23/08/2018

Photo Lens - 30mm

2.35 Camera Position 21 - Original Photograph

Photograph Location : Victor Trumper Stand, SCG

Photo date - 23/08/2018

Photo Lens - 30mm

2.36 Camera Position 21 - Original Photograph showing Alignment Points

Photograph Location : Victor Trumper Stand, SCG

Photo date - 23/08/2018

Photo Lens - 30mm

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

2.37 Camera Position 21 - Original Photograph showing Potential Outcome

Photograph Location : Victor Trumper Stand, SCG

Key

- Loose Fit Envelope
- Potential Outcome

Photo date - 23/08/2018

Photo Lens - 30mm

Original Photograph

Original Photograph showing Alignment Points

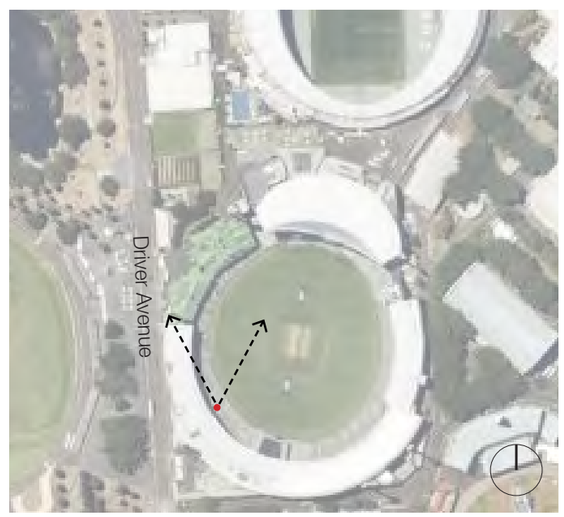
Photo Montage of Potential Outcome

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 23/08/2018

Photo Lens - 22mm



2.38 Camera Position 21 - Original Photograph

Photograph Location : Clive Churchill Stand, SCG

Photo date - 23/08/2018

Photo Lens - 22mm

2.39 Camera Position 21 - Original Photograph with Alignment Points

Photograph Location : Clive Churchill Stand, SCG

Key

- Surveyed Locations
- Loose Fit Envelope
- Potential Outcome

Photo date - 23/08/2018

Photo Lens - 22mm

2.40 Camera Position 21 - Original Photograph with Potential Outcome

Photograph Location : Clive Churchill Stand, SCG

Key

- Loose Fit Envelope
- Potential Outcome

Photo date - 23/08/2018

Photo Lens - 22mm

SJB Architects

sjb.com.au

We create spaces people love.
SJB is passionate about the
possibilities of architecture,
interiors, urban design
and planning.
Let's collaborate.

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