Planning Scheme Amendment C185
Ballarat Planning Scheme

in relation to

Central Victorian Livestock Exchange, Ballarat

Statement of Evidence for Photomontage Preparation

by Stephen Schutt of **Hansen Partnership Pty Ltd**
for RLX Investment Company Pty Ltd

June 2015

urban planning | urban design | landscape architecture

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1 Preamble

1. My name is Stephen Schutt and I am a Registered Landscape Architect and a director of design at Hansen Partnership. I have 20 years professional experience in urban design and landscape architectural projects in Australia and overseas. I hold a Bachelor degree in Planning and Design and a Masters degree in Landscape Architecture. Projects that I have managed have received awards from the Australian Institute of Landscape Architects (AILA), The Urban Development Institute of Australia (UDIA), the Cement, Concrete and Aggregates Australia (CCAA) and Good Design Australia.

2. I have been engaged by RLX Investment Company Pty Ltd undertake a viewshed assessment and to prepare a series of photomontage images for the proposed relocation of the Central Victorian Livestock Exchange.

3. In preparing the photomontage images, I have had regard to the directions of the Tribunal relating to the preparation of photomontage images, as established in *Austcorp Group v Monash CC (Red Dot) [2006] VCAT 692 (27 April 2006).*

4. The photomontage images have been prepared by Mr Casey Basilio, qualified Landscape Architect and Mr Han Tan Sang, qualified Architect, under my supervision utilising information obtained from the following drawings:

   - Ballarat Saleyards Concept Design and Construct Drawings A.01 to A.04 prepared by MKM Constructions, dated 24/03/2015;
   - Central Victorian Livestock Exchange Revised Conceptual Site Layout Drawing 01M_EV02 prepared by Geolyse, dated 03/06/2015;
   - Ballarat CVLX Central Facilities Building Drawing A03.003 prepared by RIPL Regional Infrastructure, dated 09/06/2015, and
   - Land Survey Plan Drawing prepared Geocomp Consulting Pty Ltd, dated 10/06/15.

2 Methodology for viewshed assessment

5. The following describes the methodology used to develop the 'Viewshed Assessment' mapping, as represented in the Viewshed Assessment Plan included in Appendix A to this statement of evidence. This mapping is a digitally-produced graphic representation of areas on and surrounding the proposed development site from which proposed on-site structures are potentially visible. This assessment is subsequently used to guide the selection of photomontage viewpoints.

6. It is important to emphasise that the viewshed assessment process undertaken is a 'virtual' exercise, which utilises only topographical data to generate viewshed assessment mapping. It does not take into account 'real world' obstacles such as buildings and vegetation, which obstruct or reduce views. In this regard, it presents what can be described as a 'worst case scenario', as the presence of existing buildings and vegetation almost always results in a 'real' viewshed having being less extensive than a virtual viewshed, for any given point. As such, it is not my assertion that the viewshed assessment mapping is to be relied upon as a definitive representation of the potential visibility (or otherwise) of a proposed development, but rather it is used to guide the subsequent identification of viewpoints for the preparation of photomontage images, which can be relied upon as definitive representations of visibility and visual impact.

7. A viewshed is defined as the surface area or terrain visible from a given viewpoint. It is also the area from which that viewpoint or series of viewpoints may be seen. This is referred to as the 'intervisibility' relation. The visibility between two points depends on the presence of on-ground obstacles, such as vegetation and buildings along the sight-line which connects the two points. Such obstacles may obstruct or reduce the reciprocal vision of the same two points.

8. Viewshed assessment mapping involves the use of computer software packages to translate topographical data (ie contour lines) into a 3-dimensional digital terrain model.

9. Autocad, Rhinoceros and RhinoTerrain software packages were used to develop the terrain model of the proposed development site and the surrounding area. The model used topographical data obtained from Ballarat City Council's GIS database, comprising elevation information with a 1m contour interval.

10. Following development of the terrain model, a series of twelve points were identified for viewshed generation using RhinoTerrain:

    - For the proposed sheep yards, 6 no. viewshed generation points were selected (on the four corner points and two midpoints on north-south running sides), at an elevation of 6.8m from finished floor level (maximum building height).
    - For the proposed cattle yards, 4 no. viewshed generation points were selected (on the four corner points), at an elevation of 7.4m from finished floor level (maximum building height).

- For the central facilities building, 2 no. viewshed generation points were selected (on two highest points of the pitched roof), at an elevation of 5.65m from finished floor level (maximum building height).

11. In the absence of a known finished floor level for the proposed structures, an assumption has been made based on the assessment of existing contour levels and anticipated on-site earthworks to accommodate the proposed development. The assumed finished floor level for the structures is 415.00m AHD.

12. A viewshed projection from each viewshed generation point was produced using RhinoTerrain, which provides an illustrative description of the extent of the viewshed from each point, with potentially visible terrain shown coloured red, and non-visible areas coloured white.

13. For the visual exposure mapping, the twelve viewshed maps were overlaid in Adobe Photoshop to produce an initial illustration of visual exposure. Degrees of visual exposure have been more succinctly mapped in the Viewshed Assessment Plan, as differences between the varying red colour shades that indicated visual exposure based on the previous overlaying process have been accentuated to enable easier distinction. This colour accentuation and differentiation was produced through an automated colour selection and separation process in Adobe Illustrator.

14. Areas identified in the Viewshed Assessment Plan have been assigned as having either of the following:

- Very high visual exposure
- High visual exposure
- Moderate visual exposure
- Low visual exposure
- Limited visual exposure
- No visual exposure

15. This information was subsequently used to guide the identification of 5 viewpoints, all within public land, for which photomontages were subsequently generated as a means of demonstrating the visual impact of the proposed development, and the degree to which this visual impact is able to be mitigated through landscape treatments, ie tree and shrub planting.

3 Methodology for photomontage preparation

16. The photomontage process undertaken utilised the following software programmes:

- Autocad LT 2014; for compilation of site survey information and cadastral information including topography and property boundary data, referenced to both Australian height datum and Australian Map Grid data.
- 3ds Max 2014 (3D modeller); for construction of a three-dimensional model of the proposed development by Hansen Partnership Pty Ltd based on the town planning submission drawings prepared by Archameleon, dated 05/05/15. Positioning and alignment of the three-dimensional model of the proposed development is based on photo locations and reference points obtained on site by Geocomp Consulting Pty Ltd, referenced to both Australian Height Datum and Australian Map Grid data.
- VRay (rendering software); for applying textures to the model of the proposed development to replicate the architects proposed treatments and finishes, and applying light settings to replicate the existing conditions of the day the photos were taken.
- Adobe Photoshop CC2014; for rendering views from the 3 dimensional modelled camera. Locations are superimposed into the photograph without any distortion or manipulation, except for necessary changes to provide a true representation of the proposal within its context.
- Adobe Illustrator and Indesign CC2014; for sheet layout and text compilation.

17. The 3 Dimensional model of the proposed development was prepared by Hansen Partnership Pty Ltd. The positioning of the model in 3ds Max 2014 (3D modeller) is based on information from the drawings referred to in paragraph 4 of this evidence statement. It is important to note that not all built elements identified in those drawings have been modelled and included in the photomontage images. Rather, it is only the key agents of change; ie the sheep yard building, cattle yard building and administration building, which have been included in the photomontage images of the proposed development.

18. The model utilises photo locations and reference points obtained on site by Geocomp Consulting Pty Ltd, referenced to both Australian Height Datum and Australian Map Grid data. Overlaid on these reference points was a three-dimensional representation of the proposed development.

19. The photos used in the photomontages were taken using a Digital SLR camera (Canon EOS 60D) with a digital equivalent setting of 28.8mm lens. The digital lens has a 1.6x multiplier, hence a digital lens setting of 18mm is equivalent to a 35mm film camera using a 28.8mm lens (18 x 1.6 = 28.8).

20. The positioning of the camera was set upon a spirit levelled tripod oriented towards the proposed development and taken at a height of 1.6m above ground level. The photographs were taken on the 02/06/15 between 11am and 12pm. The selected view locations were as follows:

- View location 1 - corner of Miner's Rest Road and Glenanes Road, Miner's Rest;

- View location 2 - Sunraysia Highway, north of the proposed development;
- View location 3 - Sunraysia Highway, north-west of the proposed development;
- View location 4 - Western Highway, south-west of the proposed development, and
- View location 5 - Western Highway, south of the proposed development.

21. Proposed vegetation depicted in the photomontages is indicative only, and is included as a means of demonstrating the effect of vegetation in mitigating any visual impact resulting from the proposed development. Tree species depicted have been selected from the relevant EVC Bioregion Benchmark: EVC 55 Plains Grassy Woodland, within the Victorian Volcanic Plain Bioregion. Trees have been depicted at heights of 8 to 10 metres, which is consistent with the heights of other planted vegetation within proximity of the subject site.

22. I declare that I have made all the inquiries that I believe are desirable and appropriate and that no matters of significance which I regard as relevant have to my knowledge been withheld from the Planning Panel.

Stephen Schutt BPD (Hons) M L Arch Grad Dip Proj Mgt RLA

Director, Hansen Partnership Pty Ltd.

12th June 2015

appendix a

viewshed assessment & proposed landscaping plans

central victorian livestock exchange
visual impact assessment

viewshed assessment

hansen

miners rest road

albert street

sunraysia highway

western highway

howe street

western freeway

legend

- site boundary
- outline of on-site structures
- major road
- secondary road
- local road
- existing 1m contours
- very high visual exposure
- high visual exposure
- moderate visual exposure
- low visual exposure
- limited visual exposure
- no visual exposure

0 200 400
100 300 500m

Project Ref:	**15.298**
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Scale:	**1:10,000 @ A3**
Date:	**11.06.15**
Revision:	-

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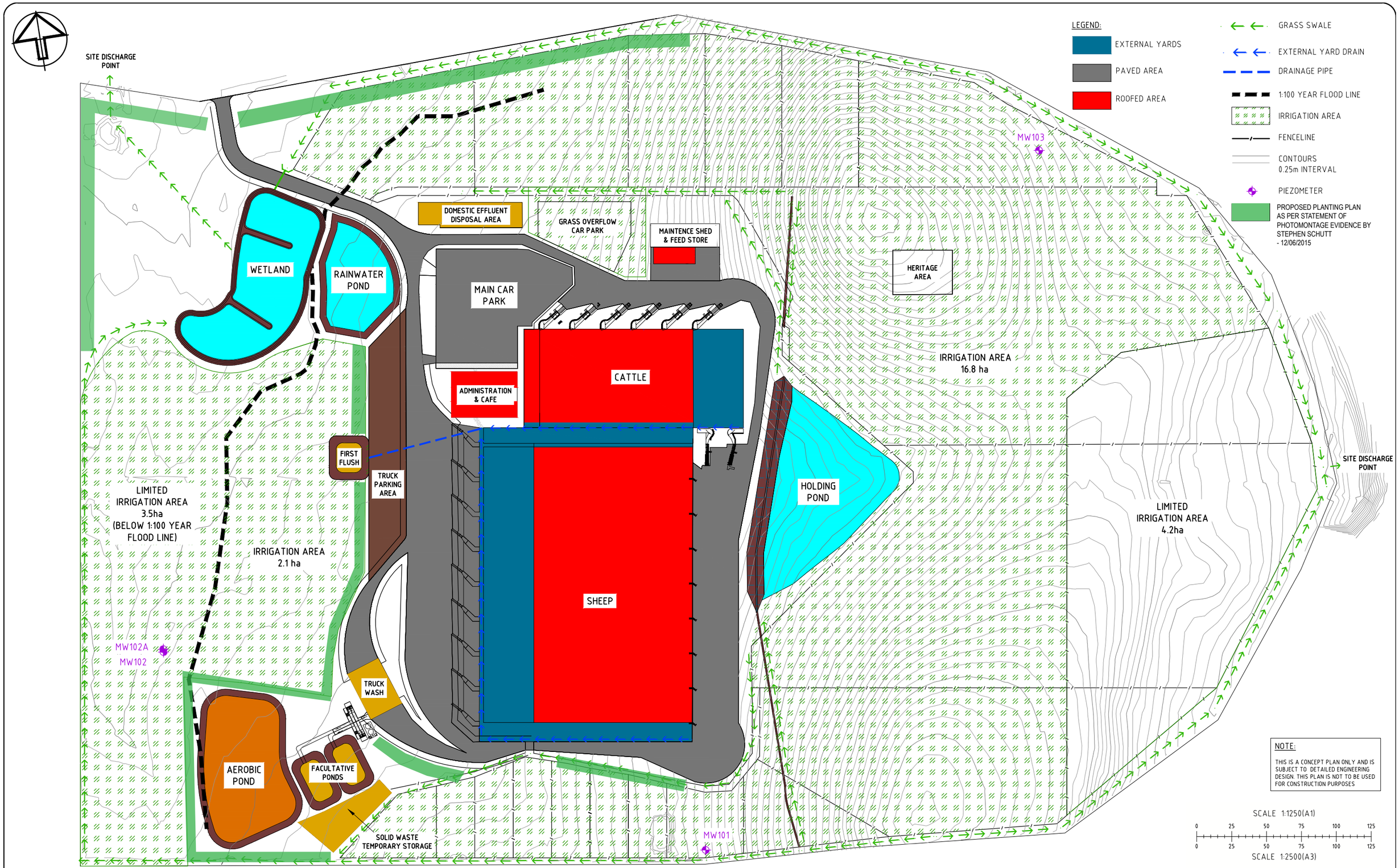

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No	DATE	DRAFTING CHECK	APPROVED BY	DETAILS
H	13/01/15	MDH	MDH	REVISED LAYOUT
I	11/05/15	MDH	MDH	REVISED 1% AEP FLOOD LINE
J	12/05/15	MDH	MDH	ADJUSTED RAINWATER POND
K	24/05/15	BH	MDH	ADJUSTED SITE LAYOUT
L	28/05/15	MDH	MDH	ADJUSTED IRRIGATION AREA
M	03/06/15	BH	MDH	ADJUSTED AREAS

PROJECT
CENTRAL VICTORIA LIVESTOCK EXCHANGE
FILE REFERENCE: 208120_01M_EV01-EV03.dwg

APPROVAL AUTHORITY
EPA VICTORIA
CITY OF BALLARAT

CLIENT
RLX INVESTMENT COMPANY ATF THE RLX INVESTMENT TRUST

DRAWING
REVISED CONCEPTUAL SITE LAYOUT

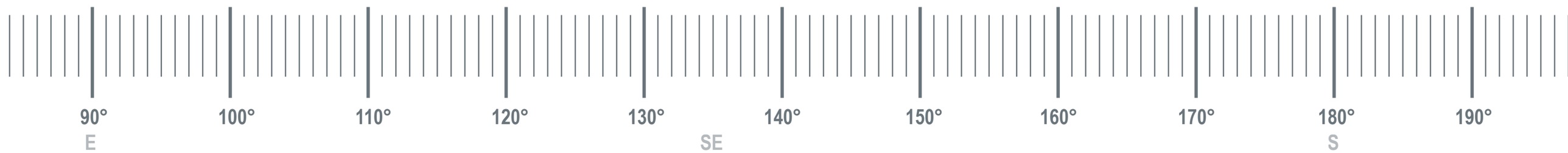
PROJECT NUMBER: 208120
DRAWING NUMBER: 01M_EV02
REV: M
SOURCE: INTERNAL

appendix b

photomontage images

central victoria livestock exchange, miners rest

photomontage
view location 1 - existing view

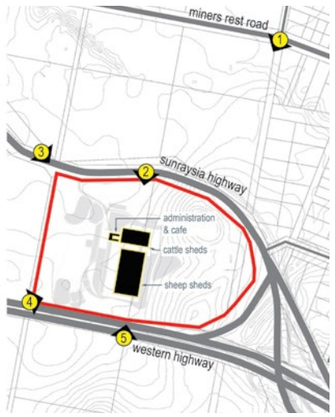


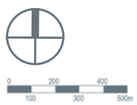
orientation of view

view location 1 - corner of Miners Rest Road / Albert Street and Glenanes Road, Miners Rest, looking south-east towards subject site.

photomontage created by:
Casey Basilio - B.LArch
Han Tat Sang - B.Arch
images created using:
3dsMax 2014, autocad 2014, adobe photoshop CS5, adobe indesign CS5, Vray
method used to collect relevant data:
Photo locations obtained on site by Geocomp Consulting pty ltd on the 09/06/15.
camera:
Canon EOS 60D Digital SLR
camera lens:
Canon EFS 18-55mm (horizontal) focal length set at 31.25mm equivalent
photograph taken:
11:05am on the 09/06/15
photo taken at:
160cm above ground level

view location 1:
e: 746490
n: 5848503
rl: 412.85





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dwg no.: **VIA-001**
date: **12/06/15**
revision: **-**

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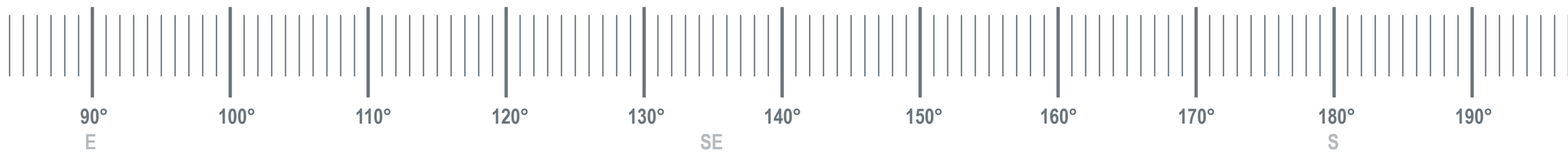
central victoria livestock exchange, miners rest

photomontage
view location 1 - view of proposed development



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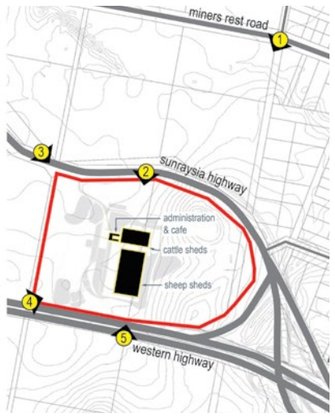

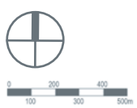

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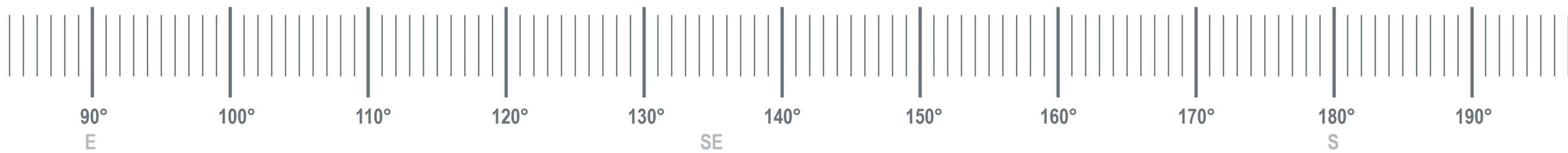
central victoria livestock exchange,
miners rest

photomontage
view location 1 - view of proposed development with landscape



orientation of view

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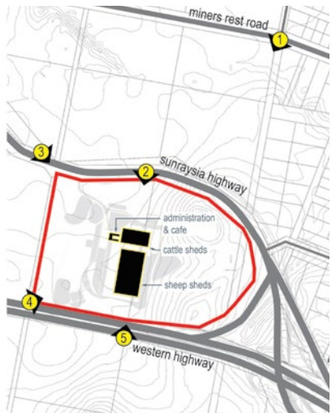

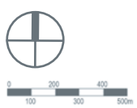

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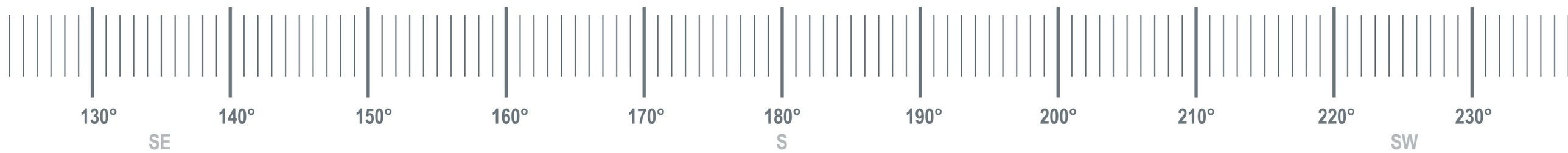
photomontage
view location 2 - existing view



orientation of view

view location 2 - Outside of Sunraysia Highway, Miners Rest, looking south towards subject site.

photomontage created by:
Casey Basilio - B.LArch
Han Tat Sang - B.Arch
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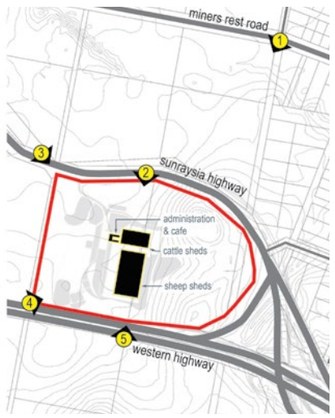

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date: **12/06/15**
revision: **-**

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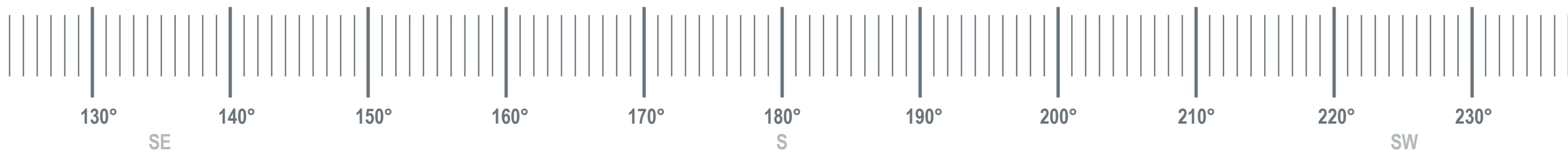
central victoria livestock exchange, miners rest

photomontage
view location 2 - view of proposed development



orientation of view

view location 2 - Outside of Sunraysia Highway, Miners Rest, looking south towards subject site.

photomontage created by:
Casey Basilio - B.LArch
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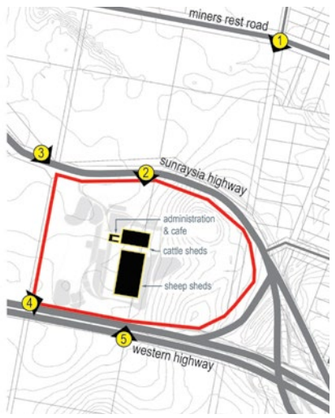

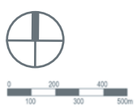

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rl: 410.96

project ref: **2015.298**
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revision: **-**

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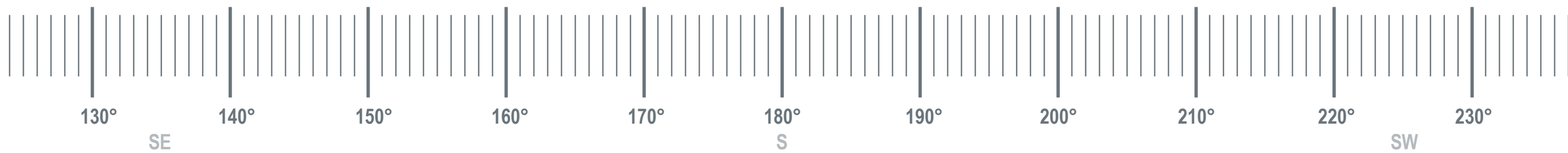
photomontage
view location 2 - view of proposed development with landscape



orientation of view

view location 2 - Outside of Sunraysia Highway, Miners Rest, looking south towards subject site.

photomontage created by:
Casey Basilio - B.LArch
Han Tat Sang - B.Arch
images created using:
3dsMax 2014, autocad 2014, adobe photoshop CS5, adobe indesign CS5, Vray
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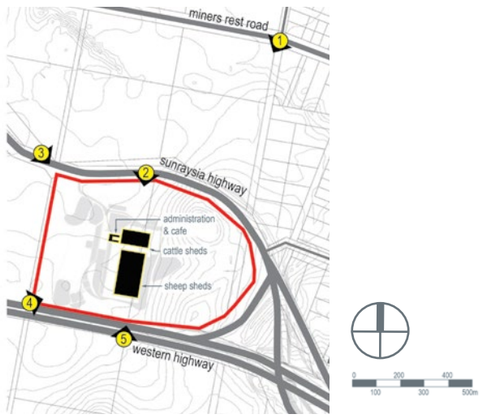
photo taken at:
160cm above ground level



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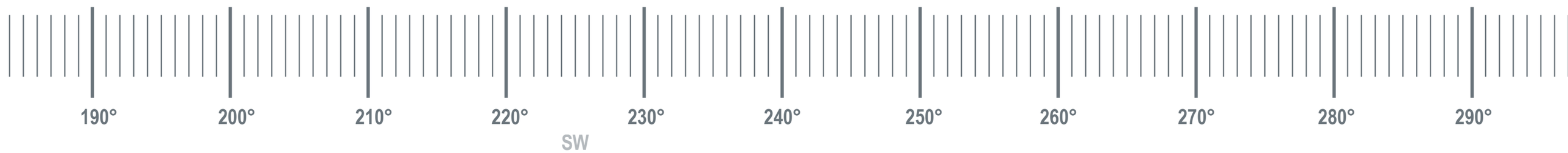
photomontage
view location 3 - existing view



orientation of view

view location 3 - Outside of Sunraysia Highway, Miners Rest, looking south-west towards subject site.

photomontage created by:
Casey Basilio - B.LArch
Han Tat Sang - B.Arch
images created using:
3dsMax 2014, autocad 2014, adobe photoshop CS5, adobe indesign CS5, Vray
method used to collect relevant data:
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camera lens:
Canon EFS 18-55mm (horizontal) focal length set at 31.25mm equivalent
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photo taken at:
160cm above ground level

view location 3:
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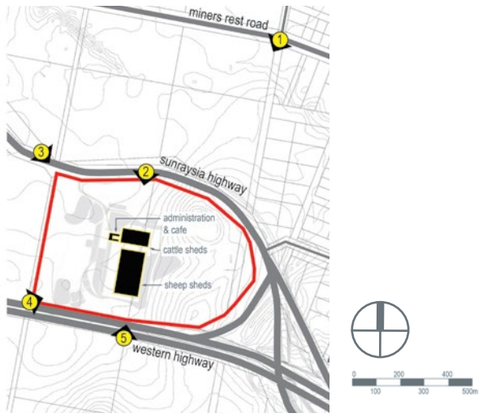

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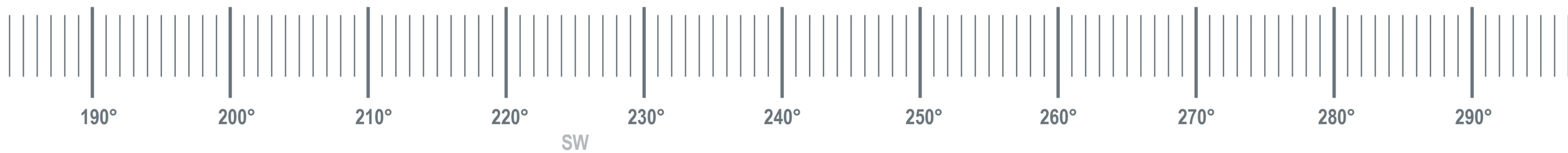
photomontage
view location 3 - view of proposed development



orientation of view

view location 3 - Outside of Sunraysia Highway, Miners Rest, looking south-west towards subject site.

photomontage created by:
Casey Basilio - B.LArch
Han Tat Sang - B.Arch
images created using:
3dsMax 2014, autocad 2014, adobe photoshop CS5, adobe indesign CS5, Vray
method used to collect relevant data:
Photo locations obtained on site by Geocomp Consulting pty ltd on the 09/06/15.
camera:
Canon EOS 60D Digital SLR
camera lens:
Canon EFS 18-55mm (horizontal) focal length set at 31.25mm equivalent
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photo taken at:
160cm above ground level

view location 3:
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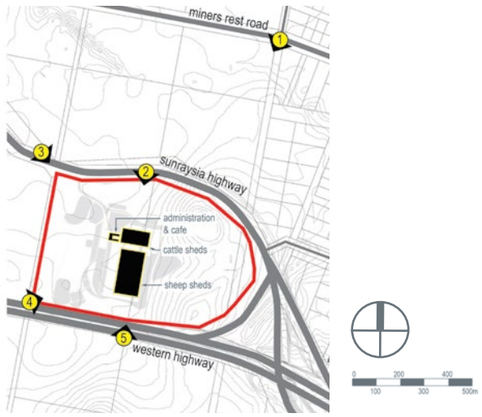
rl: 409.92



project ref: **2015.298**
dwg no.: **VIA-008**
date: **12/06/15**
revision: **-**

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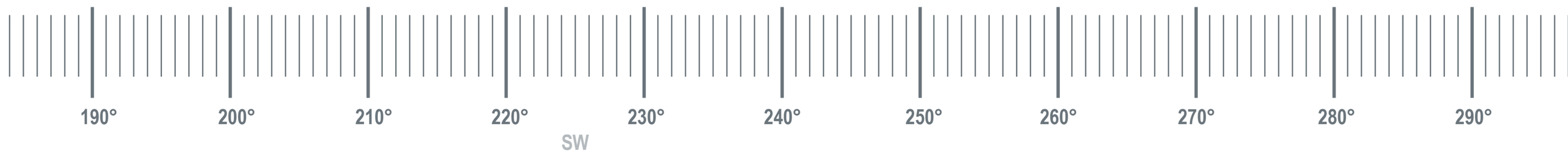
photomontage
view location 3 - view of proposed development with landscape



orientation of view

view location 3 - Outside of Sunraysia Highway, Miners Rest, looking south-west towards subject site.

photomontage created by:
Casey Basilio - B.LArch
Han Tat Sang - B.Arch
images created using:
3dsMax 2014, autocad 2014, adobe photoshop CS5, adobe indesign CS5, Vray
method used to collect relevant data:
Photo locations obtained on site by Geocomp Consulting pty ltd on the 09/06/15.
camera:
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Canon EFS 18-55mm (horizontal) focal length set at 31.25mm equivalent
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photo taken at:
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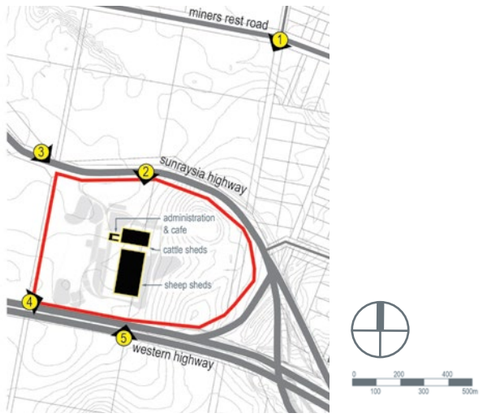

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date: **12/06/15**
revision: **-**

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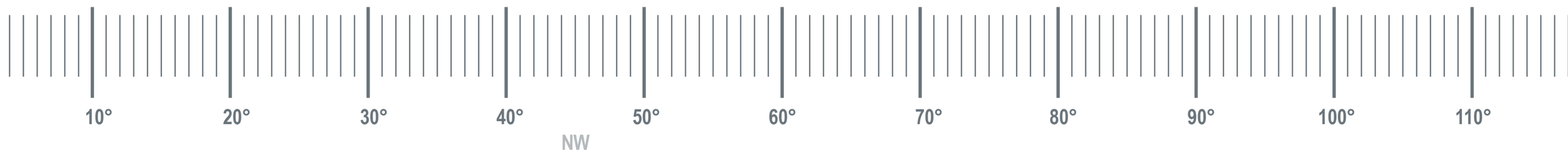
photomontage
view location 4 - existing view



orientation of view

view location 4 - Outside of Western Highway, Miners Rest, looking north-west towards subject site.

photomontage created by:
Casey Basilio - B.LArch
Han Tat Sang - B.Arch
images created using:
3dsMax 2014, autocad 2014, adobe photoshop CS5, adobe indesign CS5, Vray
method used to collect relevant data:
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camera lens:
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photograph taken:
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photo taken at:
160cm above ground level

view location 4:
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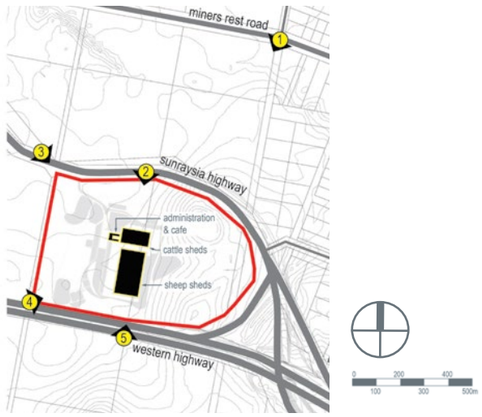
rl: 413.23



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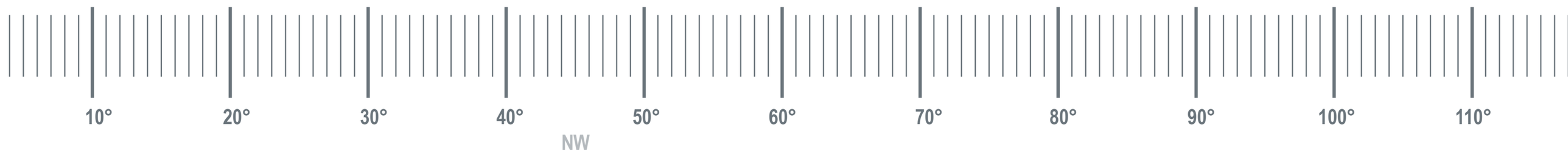
photomontage
view location 4 - view of proposed development



orientation of view

view location 4 - Outside of Western Highway, Miners Rest, looking north-west towards subject site.

photomontage created by:
Casey Basilio - B.LArch
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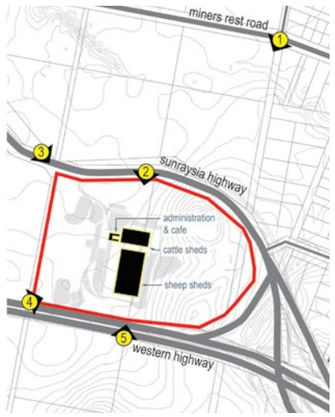

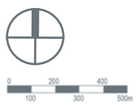

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revision: **-**

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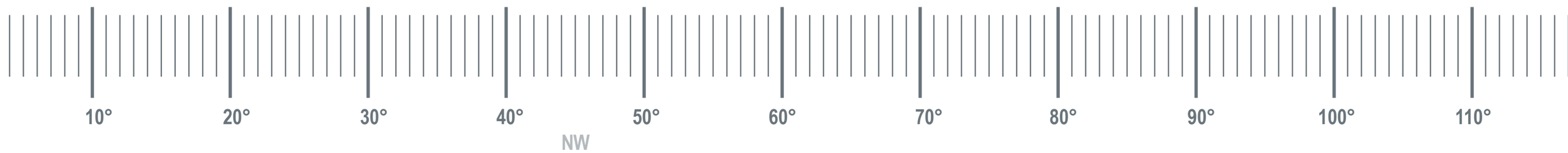
photomontage
view location 4 - view of proposed development with landscape



orientation of view

view location 4 - Outside of Western Highway, Miners Rest, looking north-west towards subject site.

photomontage created by:
Casey Basilio - B.LArch
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images created using:
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camera lens:
Canon EFS 18-55mm (horizontal) focal length set at 31.25mm equivalent
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photo taken at:
160cm above ground level

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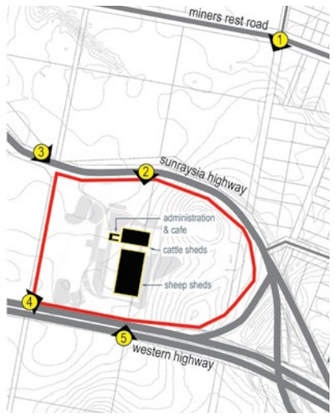

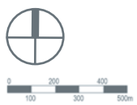

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date: **12/06/15**
revision: **-**

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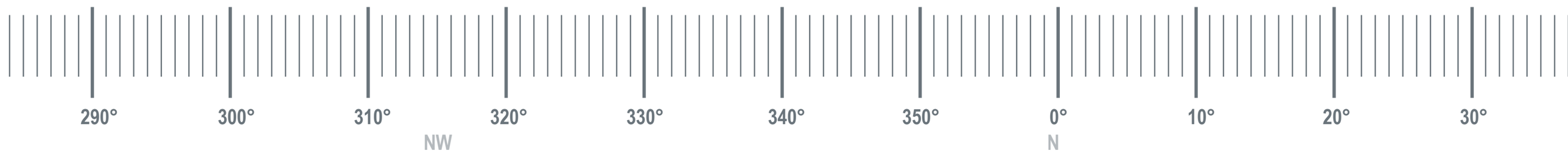
photomontage
view location 5 - existing view



orientation of view

view location 5 - Outside of Western Highway, Miners Rest, looking north towards subject site.

photomontage created by:
Casey Basilio - B.LArch
Han Tat Sang - B.Arch
images created using:
3dsMax 2014, autocad 2014, adobe photoshop CS5, adobe indesign CS5, Vray
method used to collect relevant data:
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camera:
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camera lens:
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photograph taken:
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photo taken at:
160cm above ground level

view location 5:
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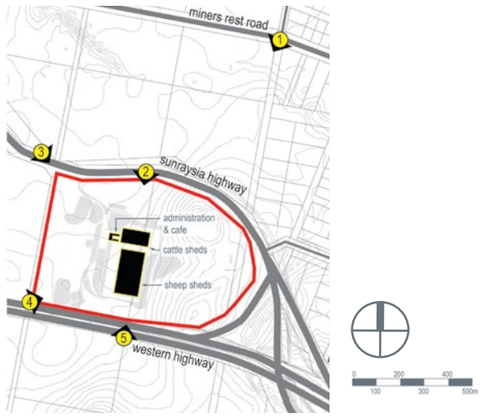

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revision: **-**

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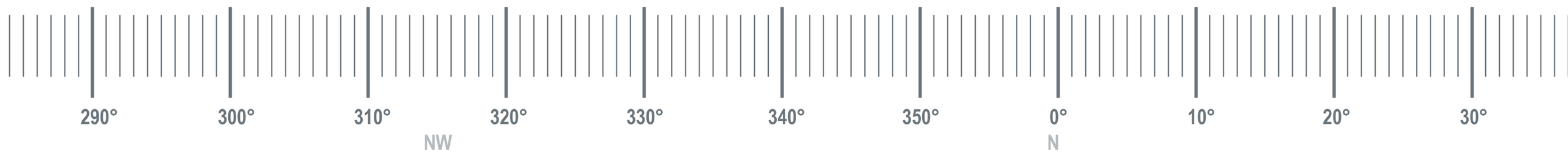
photomontage
view location 5 - view of proposed development



orientation of view

view location 5 - Outside of Western Highway, Miners Rest, looking north towards subject site.

photomontage created by:
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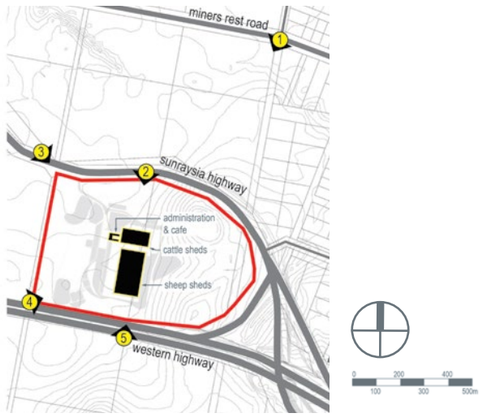

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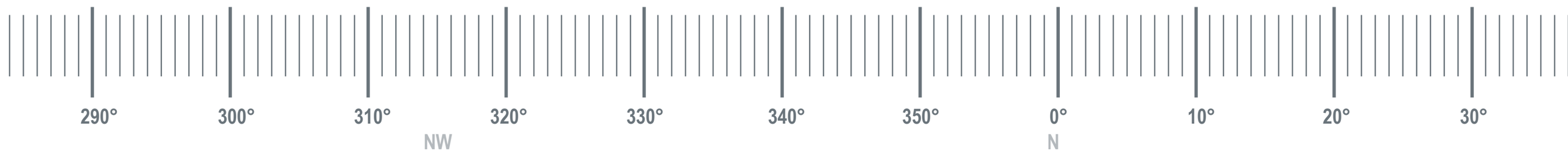
photomontage
view location 5 - view of proposed development with landscape



orientation of view

view location 5 - Outside of Western Highway, Miners Rest, looking north towards subject site.

photomontage created by:
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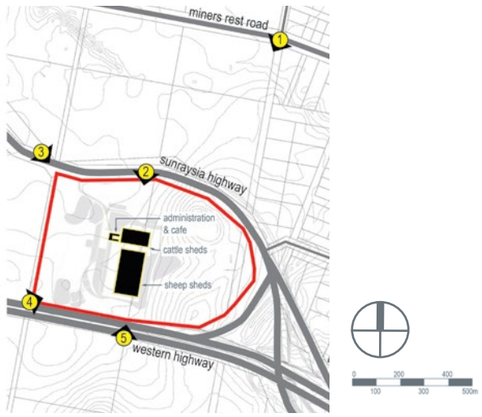

project ref: **2015.298**
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date: **12/06/15**
revision: **-**

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appendix c

curriculum vitae for Stephen Schutt

steve schutt

director

contact details

hansen partnership pty ltd

address level 4, 136 exhibition street melbourne victoria 3000

email **sschutt@hansenpartnership.com.au**

phone +61(03) 9664 9811

fax +61(03) 9654 8088

current position

director

hansen partnership pty ltd

july 2002 – present

qualifications

graduate diploma in project management
RMIT university (2004)

master of landscape architecture
the university of melbourne (1994)

bachelor of planning & design (hons)
the university of melbourne (1992)

professional experience

context landscape design
associate (january 1997 – june 2002)

GBLA
landscape architect (june 1995 – november 1996)

melbourne parks & waterways
landscape architect (june 1994 – november 1995)

professional affiliations

member australian institute of landscape architects (AILA)

member victorian planning & environmental law association (VPELA)

specialist fields of expertise

- public domain design
- master planning
- landscape design
- strategic planning & design
- visual assessment
- VCAT expert witness

summary of experience

Steve is a registered landscape architect with extensive experience in Australia and internationally in the delivery of a broad array of projects across the fields of public domain design, residential landscapes, educational institutions, recreational facilities, natural and rehabilitated landscapes, commercial developments and large-scale infrastructure projects. His skills and experience embrace the full spectrum of landscape architecture, from conceptual design to design development, documentation, contract administration, master planning, visual assessment, community consultation and the provision of expert evidence to planning tribunals.

Steve has extensive experience in the management of multi-disciplinary project teams and has managed the design and implementation of a number of major landscape projects, including the University of New South Wales mall, Walsh Bay redevelopment, Sydney Olympic Velodrome, Frankston CAD urban renewal, Langtree Mall redevelopment in Mildura and the Devonport foreshore redevelopment in Tasmania.

As a Director of **hansen partnership**, Steve is able to apply his skills and experience across a broad range of projects, from landscape master planning to urban design studies and the detailed implementation of landscape designs in both urban and non-urban environments. In this regard, Steve is able to operate effectively as a multi-disciplinary professional, offering skills in urban planning, urban design and landscape architecture.

key project experience:

public domain design

- Alfred Street, Hastings, Mornington Peninsula Shire Council (2013)
- Vernon Street, South Kingsville, Hobsons Bay City Council (2013)
- Empire Mall, Mornington, Mornington Peninsula Shire Council (2013)
- Richmond Terrace Park, City of Yarra (2012)
- Sherbrook Park, Ringwood, Maroondah City Council (2012)
- Langtree Mall Redevelopment, Mildura, Mildura Rural City Council (2011)
- Port of Echuca Visitor Experience, Shire of Campaspe (2011)
- Devonport Foreshore Plaza, Devonport City Council (2011)
- Nunawading Village Urban Realm Vision, Whitehorse City Council (2009)
- Alfrieda Street Improvements, St Albans, Brimbank City Council (2009)
- Lakes Reserve, Taylors Lakes, Brimbank City Council (2008)
- Montrose Linear Garden, Shire of Yarra Ranges (2007)
- Frankston CAD Urban Renewal, Frankston City Council (2004)
- Frankston Waterfront Entry, Frankston City Council (2004)
- Hastings Anzac Plaza, Mornington Peninsula Shire (2001)
- University of New South Wales Mall, UNSW (2001)
- St Mary's Cathedral, Sydney, Catholic Archdiocese (2000)
- Sydney Olympic Velodrome, Bankstown, Sydney Olympic Coordination Authority (1999)
- Wollongong Entertainment Centre Foreshore Plaza, Wollongong City Council (1998)
- Toukley Village Green, Wyong Shire Council (1997)

master planning

- Portland to Cape Bridgewater Shared Pathway, Portland Pathways Group (2014)
- Windsor Siding Master Plan, Stonnington City Council (2014)
- Mount Alexander Master Plan, Mount Alexander College (2014)
- Alfred Street Landscape Master Plan, Hastings, Mornington Peninsula Shire Council (2013)
- Mount Baw Baw Development Concept Plan, Mount Baw Baw Management Board (2013)
- 'Re-Discover' Chapel Street Public Domain Master Plan, City of Stonnington (2013)
- Yarra Junction Community Precinct Master Plan, Yarra Ranges Shire Council (2012)
- Bridport Central Foreshore Precinct Plan, Dorset Council (2012)
- Traralgon Railway Station Precinct Master Plan, Latrobe City Council (2011)
- Warragul Town Centre Master Plan, Baw Baw Shire (2011)
- Gaskin Park Master Plan, Churchill, Latrobe City Council (2010)
- Eastern Park and Geelong Botanic Gardens Strategic Plan, City of Greater Geelong (2008)
- Ted Summerton Reserve Master Plan, Moe, Latrobe City Council (2008)
- Cathedral Range Golf Resort Master Plan, Golf Club Properties (2004)
- Sandridge Beach Foreshore Reserve Master Plan, City of Port Phillip (2002)

landscape design

- Coles, Lara, Coles Property Group (2013)
- Coles, Hallam, Coles Property Group (2013)
- Scenic Estate Master Plan, Bass Coast Shire Council (2013)
- Zumsteins and MacKenzie Falls Precinct Plan, Grampians National Park, Parks Victoria (2012)
- Devonport Maritime Museum, Devonport City Council (2011)
- Riverside Park Concept Plan, Mildura, Mildura Rural City Council (2011)
- Morningside Estate, Gisborne, Dennis Family Corporation (2010)
- Whitehorse Civic Centre Forecourt, Whitehorse City Council (2008)
- Mildura Council Offices Forecourt, Mildura Rural City Council (2011)
- Walsh Bay Redevelopment, Sydney, Mirvac (2000)

strategic planning & design

- Wyndham RDF Landscape Plans, City of Wyndham (2014)
- Hastings Laneways Strategy, Mornington Peninsula Shire Council (2014)
- Phillip Island Integrated Transport Study, Bass Coast Shire Council (2013)
- Werribee River Shared Trail Strategy, Melton Shire Council (2012)
- New Gisborne Development Plan, Macedon Ranges Shire (2011)
- Ballarat Avenue of Honour Urban Design Guidelines, Ballarat City Council (2010)
- Warragul Town Centre Urban Design Framework and Railway Station Master Plan, Baw Baw Shire Council (2009)
- Mersey Bluff Precinct Urban Design Framework, Devonport City Council (2008)
- Spring Creek Growth Framework Plan, Torquay, Surf Coast Shire (2009)
- Jackass Flat New Development Area Structure Plan, City of Greater Bendigo (2005)
- San Remo, Newhaven and Cape Woolamai Structure Plan, Bass Coast Shire (2005)
- Geelong Western Wedge Urban Design Framework, City of Greater Geelong (2002)
- Point Lonsdale Village Urban Design Framework, Borough of Queenscliffe (2002)

landscape & visual impact assessment

- Arthurs Seat Skylift, Arthurs Seat Skylift Pty Ltd (2014)
- 86 Paradise Drive, St Andrews Beach, private client (2014)
- Torquay Eco-Park, Torquay, BCR Asset Management (2013)
- Casey Foothills Landscape Assessment, City of Casey (2012)
- Pakenham East Landscape Assessment, Cardinia Shire Council (2012)
- Western Water Storage Facility, Mount Cottrell, Western Water (2012)
- Visual Assessment of Ridgelines in Banyule, Banyule City Council (2011)
- Vodafone Telco Facility Visual Impact Assessment, Warrandyte, Vodafone (2011)
- Bells Boulevard Landscape Assessment, Jan Juc (2009)
- Victorian Desalination Plant EES Enquiry Visual Impact Assessment, Cardinia Shire Council, (2008)
- Stockyard Hill Wind Energy Facility, Beaufort (2008)
- Martha Cove, Safety Beach (2007)
- Devon North Wind Energy Facility, Yarram (2007)
- Oaklands Hill Wind Energy Facility, Glenthompson (2007)

international

- Surabaya Detailed Land Use and Zoning Plan, The World Bank (2014)
- Con Dao Precinct Master Plan, BR-VT Province Peoples Committee, Vietnam (2014)
- Xining ToD PoD Workshop, The World Bank (2012)
- Haiphong Transit Oriented Design Study, Haiphong People's Committee, Vietnam (2012)
- Soc Trang Technology Park Master Plan, Vietnam, Viet Investment Projects Corporation (2008)
- Saigon Golf and Country Club Master Plan, Norfolk Group Vietnam (2005)
- Dalat Walking Centre Urban Design Framework, Dalat People's Committee, Vietnam (2004)