

LEGIBLE SYDNEY

WAYFINDING MAP

MAPPING FEATURES 20

Key Mapping Features

The features comprise all elements that a typical map would provide. The map features colours that are clearly distinct from each other and work well in an exterior environment. An extensive key provides a list of street names, key civic destinations and pictograms with reference to the grid.

Maps will be displayed in two scales

Map displays feature two maps. An overview map based on the LGA base map and a detail map of the immediate area in context with map location.

Overview map

The overview map includes 3D views of important buildings and structures with the same colours as shown on the detail map. Important buildings and destinations are shown across an approximately 10 – 15 minute walking radius.

Detail map

Details include 3D views of landmark buildings and structures, details related to transport, access (stairs & lifts), entertainment, recreation, food, retail and so on. Graphic prominence is given to pedestrian areas on the map (footpath and public domain).

Orientation of map

Maps are orientated heads up meaning the destination straight ahead is at the top of the map. The maps may face north, south, west or east.

Destinations and Attractions

Major civic destinations and attractions such as public transport connections, interchange zones, museums and civic destinations.

3D Buildings

Illustrations of key buildings help with orientation. This provides a graphic representation of key landmarks and make the maps more intuitive.

Pictograms

Use of internationally recognised pictograms and TfNSW public transport pictograms.

Typography

Typeface is primarily based on legibility criteria. The typeface Frutiger was selected after public exhibition of three typeface options.

Walk Distance / Time Information

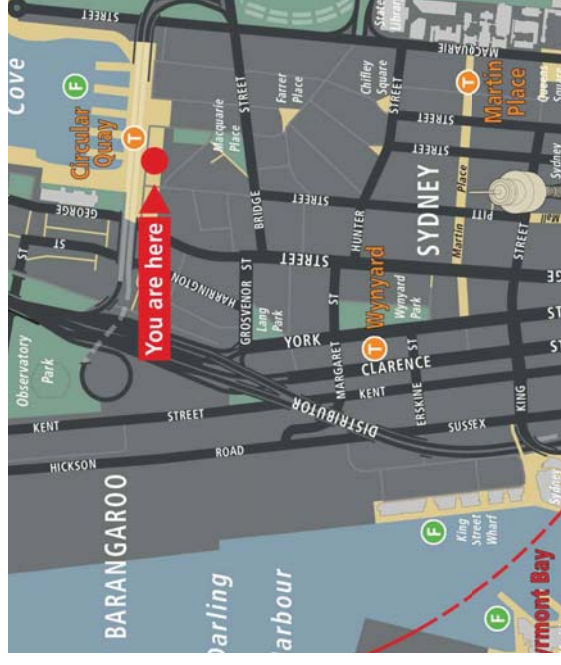
Maps feature a circle that represents an averaged walking radius measured in minutes.

Maintenance and Update

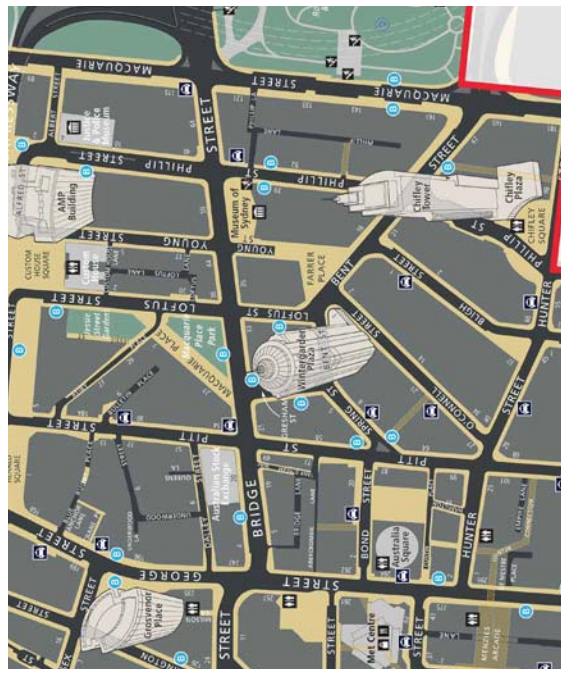
Map design to allow for updates to show new developments. The map must be current to remain relevant.

Map Testing

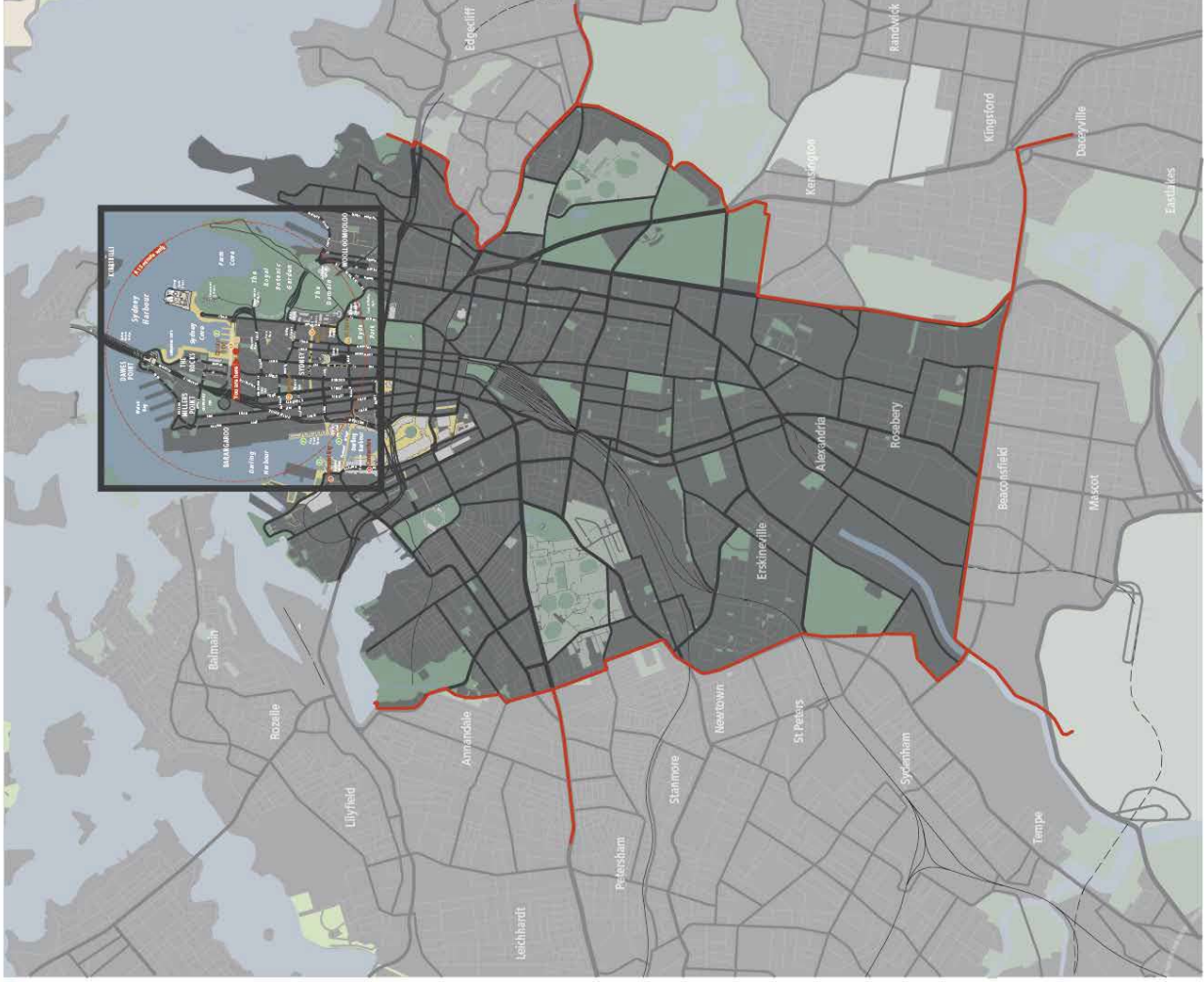
Undertake suitable trials to test comprehension by users of different abilities, cultural and language background.



Overview Map



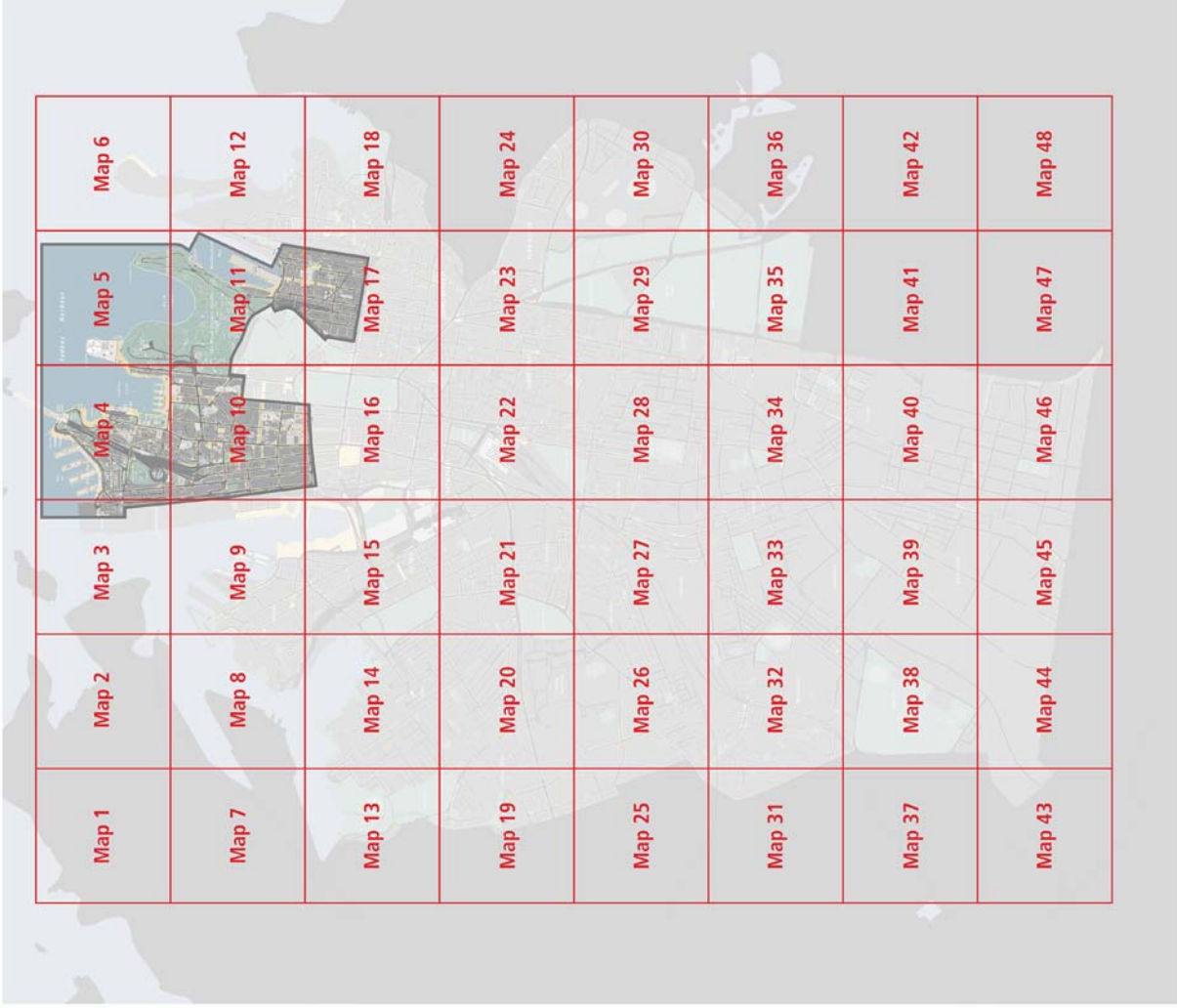
Detail Map

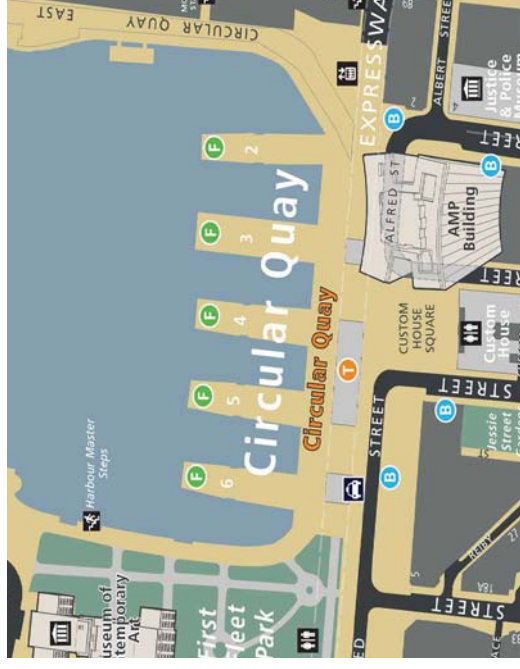
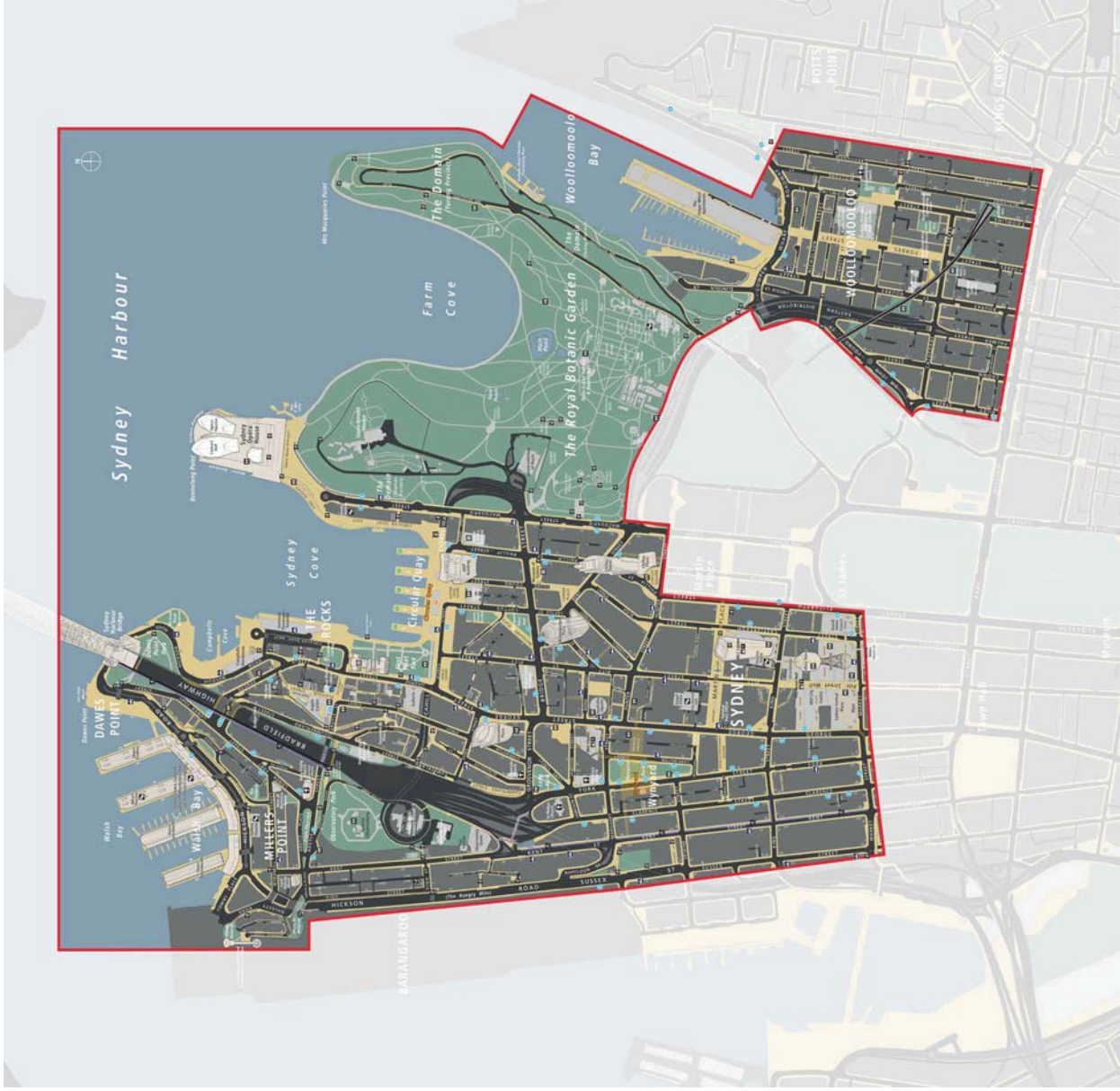


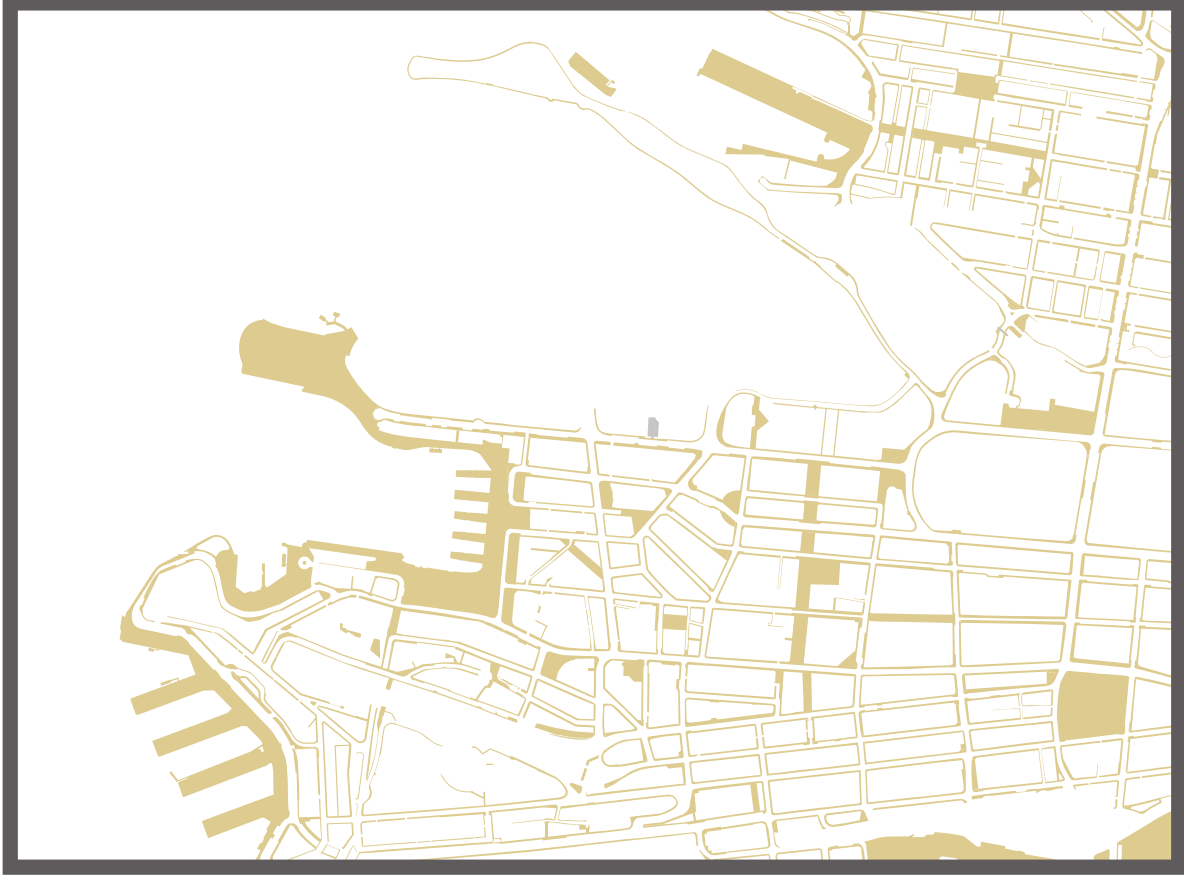
OVERVIEW MAP 22



GRID FOR FUTURE DETAIL MAP 23







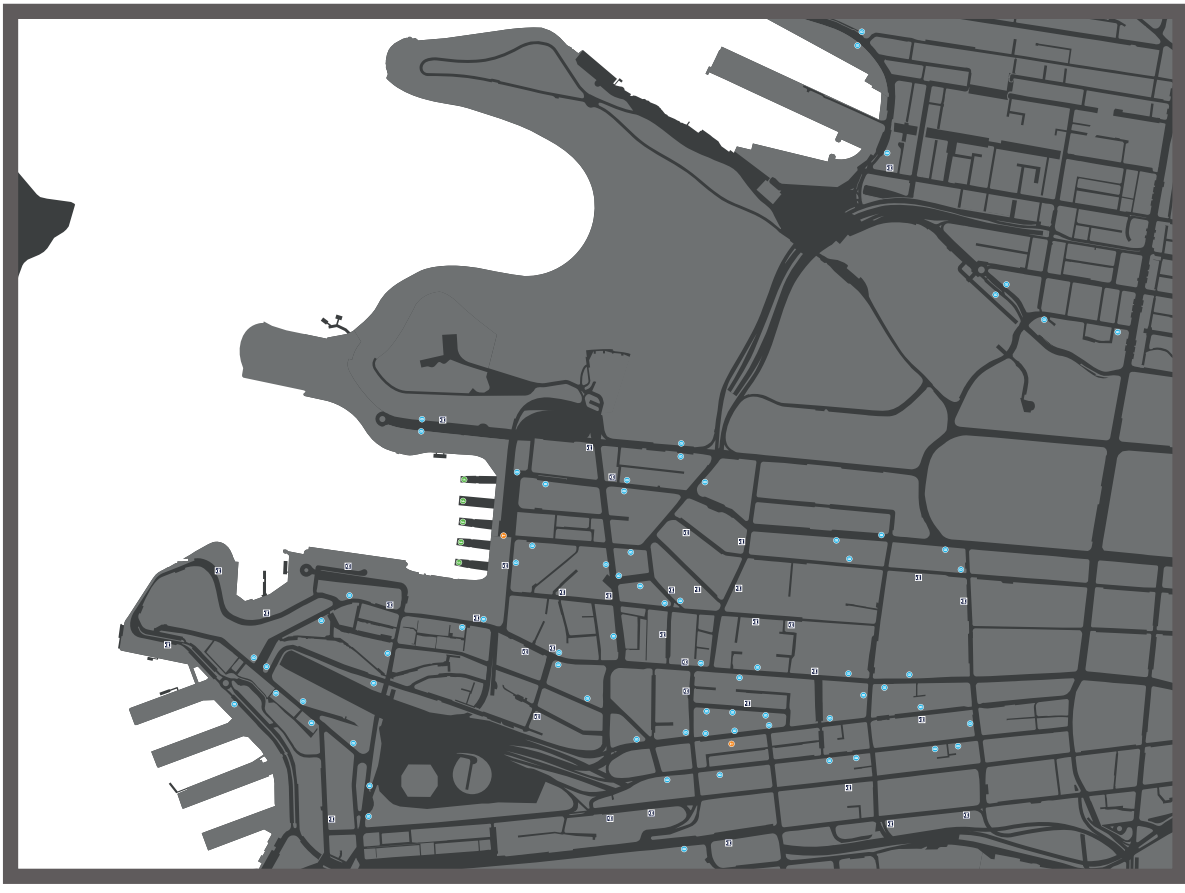
Pedestrian Areas



Parkland



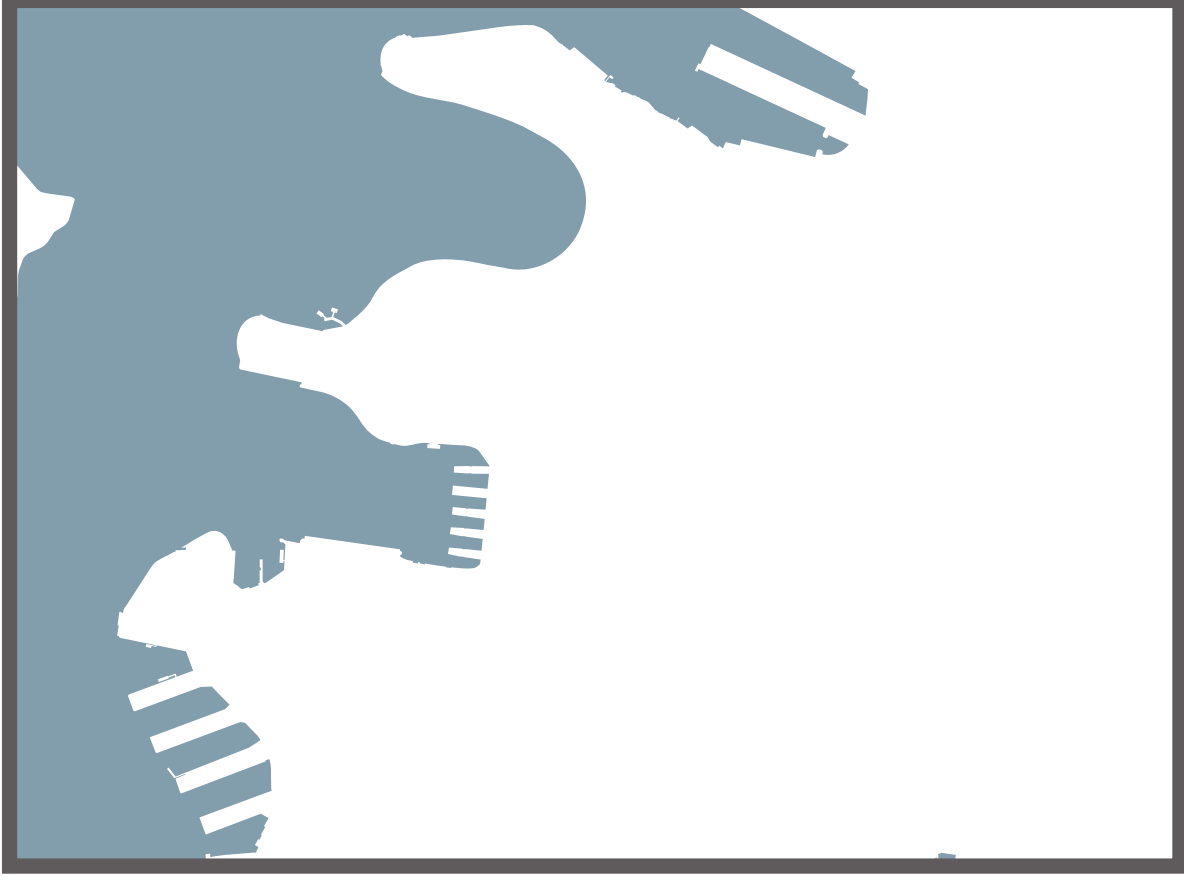
Buildings



Transportation Points



Landmark Areas



Water

<p>Road base area Layer name: Area - Road base area</p> <p>Fill: C65 M55 Y63 K55 - Transparency: 100% Stroke: None</p>	<p>Landmark building area Layer name: Area- Landmark buildings area</p> <p>Fill: C22 M17 Y18 K0 - Transparency: 100% Stroke: Solid 0.1mm C65 M55 Y53 K55</p>	<p>Road underpass area Layer name: Area- Road underpass area</p> <p>Fill: C0 M0 Y1 K0 - Transparency: 20% Stroke: None</p>
<p>Background area Layer name: Area - Background area</p> <p>Fill: C52 M41 Y41 K24 - Transparency: 100% Stroke: None</p>	<p>Axonometric building area Layer name: Area- Axonometric building area</p> <p>Fill: C10 M10 Y25 K5 - Transparency: 100% Stroke: None</p>	<p>Road underpass line Layer name: Line - Road underpass line</p> <p>Fill: None Stroke: 0.25mm Dashed: 1.5mm 0.5mm C22 M17 Y18 K0 - Transparency: 60%</p>
<p>Parkland area Layer name: Area - Parkland area</p> <p>Fill: C53 M22 Y46 K5 - Transparency: 100% Stroke: None</p>	<p>Walkthrough/underground area Layer name: Area- Walkthrough/underground area</p> <p>Fill: C0 M20 Y90 K0 - Transparency: 50% Stroke: None</p>	<p>Lakes and ponds area Layer name: Area - Lakes and ponds area</p> <p>Fill: C49 M27 Y22 K4 - Transparency: 100% Stroke: 0.15mm Solid C60 M0 Y0 K47</p>
<p>Water area Layer name: Area - Water area</p> <p>Fill: C49 M27 Y22 K4 - Transparency: 100% Stroke: None</p>	<p>Walkthrough/underground line Layer name: Area- Walkthrough/underground line</p> <p>Fill: None Stroke: 0.2mm Dashed: 1.5mm 0.5mm C0 M0 Y0 K0 - Transparency: 50%</p>	<p>Restricted area Layer name: Area - Restricted area</p> <p>Fill: C15 M0 Y15 K30 - Transparency: 100% Stroke: None</p>
<p>Pedestrian area Layer name: Area - Pedestrian area</p> <p>Fill: C14 M16 Y50 K0 - Transparency: 100% Stroke: None</p>		



Walkthrough/underground line

Layer name: Area - Walkthrough/underground line

Fill: None
 Stroke: 0.2mm Dashed: 1.5mm 0.5mm
 CO M0 Y0 K0 - Transparency: 50%



Above ground railway line

Layer name: Line - Above ground railway line

Fill: None
 Stroke: 2mm Solid CO M0 Y0 K100



Road underpass line

Layer name: Line - Road underpass line

Fill: None
 Stroke: 0.25mm Dashed: 1.5mm 0.5mm
 C22 M17 Y18 K0 - Transparency: 60%


Line: 0.5mm Dashed: 1.5mm 0.5mm Transparency: 40%


Line: 0.1mm Solid


Line: 0.2mm Solid

Line: 0.3mm Solid

Line: 0.35mm Solid Dropshadow: 0.2mm 0.2mm 0.2mm 75%

Tennis Court 

Basketball Court 

Gate 

















Fill: C32 M25 Y24 K0
 Stroke: 0.25mm Dashed: 1.5mm 0.5mm
 C100 M75 Y42 K33 - Transparency: 40%

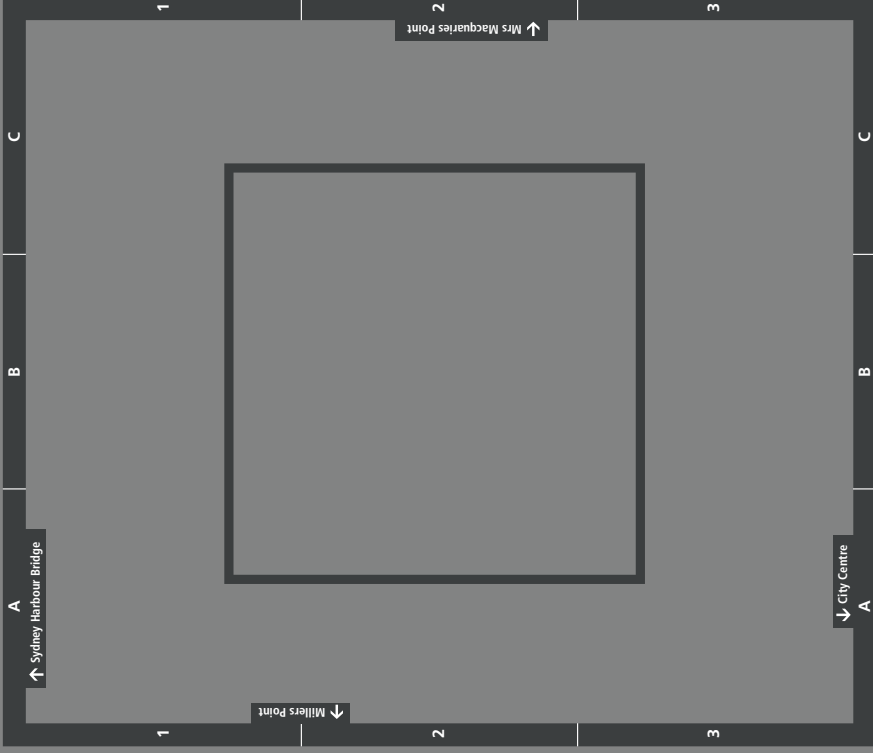
Line: 0.25mm Solid Dropshadow: 0.2mm 0.2mm 0.2mm 75%

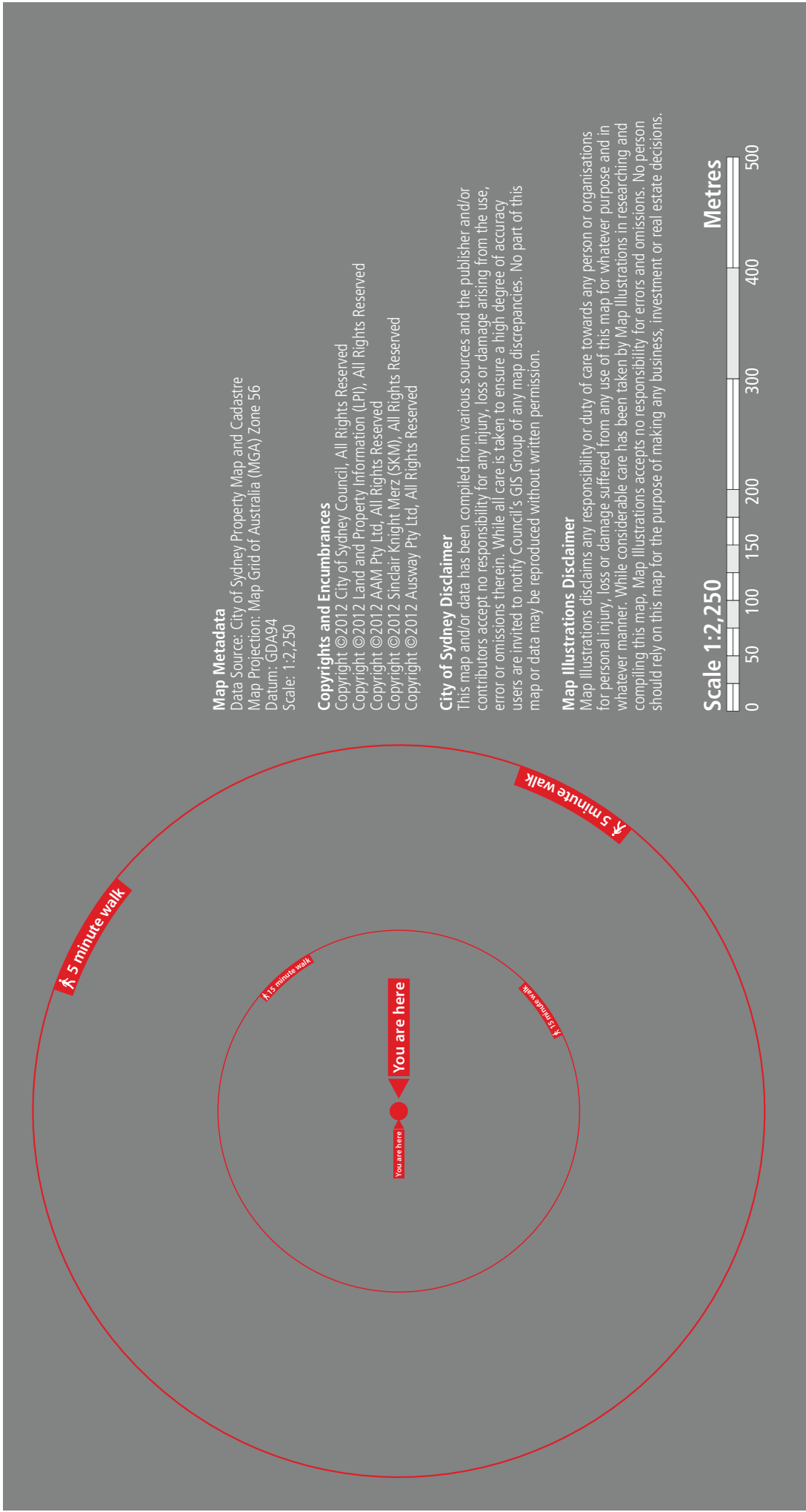
Miscellaneous lines

Layer names: Line - Miscellaneous line
 Line - Wall and cliff line
 Line - Viaduct area and line

<p>Street labels 55 Frutiger Roman Layer name: Text - Street labels Font size: Variable, Horizontal scale: 100%</p> <p>Street number labels 47 Frutiger Light Condensed Layer name: Text - Street number labels Font size: 12pt, Horizontal scale: 100%</p> <p>Parkland labels 68 Frutiger Bold Condensed Italic Layer name: Text - Parkland labels Font size: Variable, Horizontal scale: 90%</p> <p>Water labels 68 Frutiger Bold Condensed Italic Layer name: Text - Water labels Font size: Variable, Horizontal scale: 90%</p> <p>Railway and light rail labels 87 Frutiger Extra Black Condensed Layer name: Text - Railway station labels Font size: 19pt, Horizontal scale: 100%</p> <p>Landmark building area label 67 Frutiger Bold Condensed Layer name: Text - Landmark buildings labels Font size: 13pt, Horizontal scale: 100%</p>	<p>Shopping and restaurant areas 67 Frutiger Bold Condensed Layer name: Text - Retail areas Font size: 12pt, Horizontal scale: 100%</p> <p>Landmark building area label Font varies Layer name: Text - Miscellaneous labels Font size: Varies, Horizontal scale: 100%</p> <p>Label blockouts Font varies Layer name: Text - Label blockouts Font size: Varies, Horizontal scale: 100%</p> <p>North point Layer name: Text - North point</p> <p>Suburbs and localities labels 67 Frutiger Bold Condensed Layer name: Text - Retail areas Font size: 40pt & 36pt, Horizontal scale: 100%</p>
<p>GEORGE ST Fill: CO M0 Y0 K0 - Transparency: 100% Stroke: None</p> <p>200 Fill: CO M0 Y0 K0 - Transparency: 100% Stroke: None</p> <p>The Domain Fill: CO M0 Y0 K0 - Transparency: 100% Stroke: None</p> <p>Campbells Cove Fill: CO M0 Y0 K0 - Transparency: 100% Stroke: None</p> <p>Wynyard Harbourside Fill: CO M56 Y100 K0 - Transparency: 100% Stroke: 0.25mm Solid CO M0 Y0 K100</p> <p>Plunkett Street Public School Fill: C65 M55 Y63 K53 - Transparency: 100% Stroke: None</p>	<p>Pitt Street Mall Fill: CO M0 Y0 K100 - Transparency: 100% Stroke: None</p> <p>Argyle Cut UNDERGROUND MOVING PATHWAY <i>Exit</i> <i>Boameng Walk</i> Fill: Varies - Transparency: 100% Stroke: None</p> <p>Sydney Tower Fill: CO M0 Y0 K0 - Transparency: 100% Stroke: 0.5mm Solid CO M0 Y0 K0</p> <p>North point Layer name: Text - North point</p> <p>BARANGAROO Wynyard Fill: CO M0 Y0 K100 - Transparency: 100% Stroke: None</p>

	Railway station Layer name: Point - Railway station		Post office Layer name: Point - Post office
	Light rail stop Layer name: Point - Light rail stop		Museum Layer name: Point - Museum
	Ferries Layer name: Point - Ferries		Toilets Layer name: Point - Toilets
	Bus stop Layer name: Point - Bus stop		Stairs Layer name: Point - Stairs
	Taxi rank Layer name: Point - Taxi rank		Shopping area Layer name: Point - Retail symbols
	Cycleway Layer name: Point - Cycleway		Restaurant area Layer name: Point - Retail symbols
	Theatre Layer name: Point - Theatre		Place of worship Layer name: Point - Place of worship
	Outside lift Layer name: Point - Pedestrian lift		Hospital Layer name: Point - Hospital

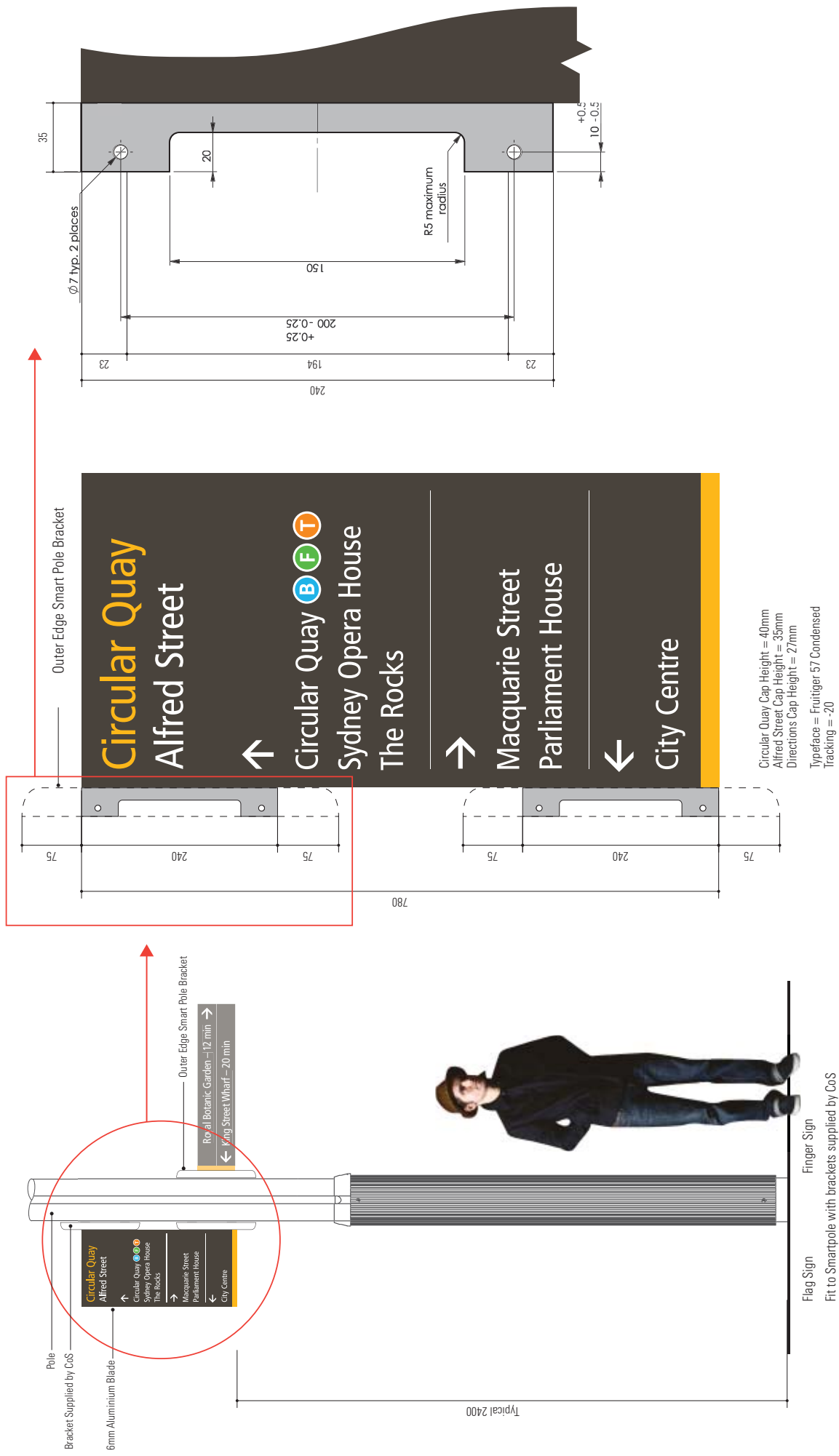




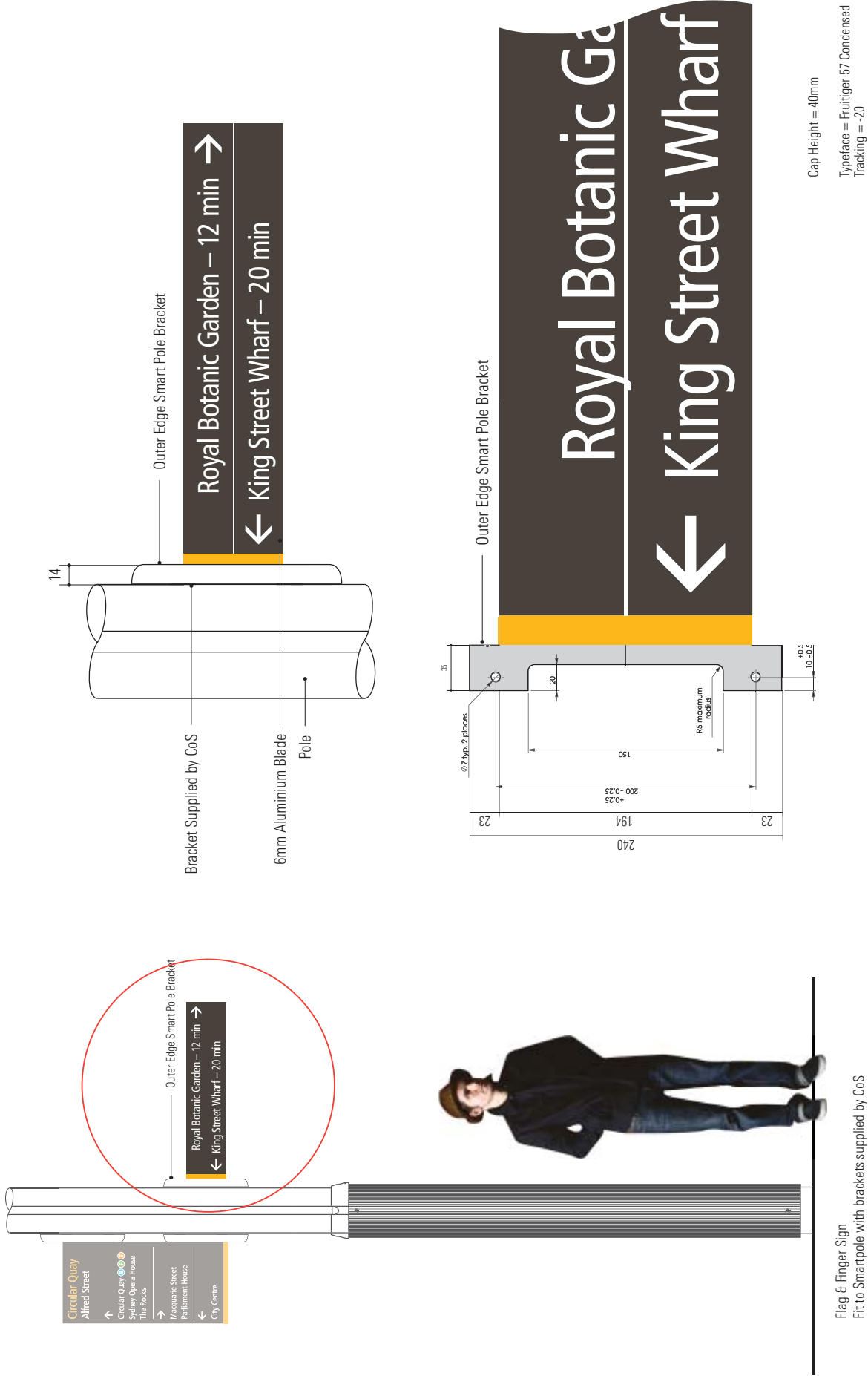
LEGIBLE SYDNEY

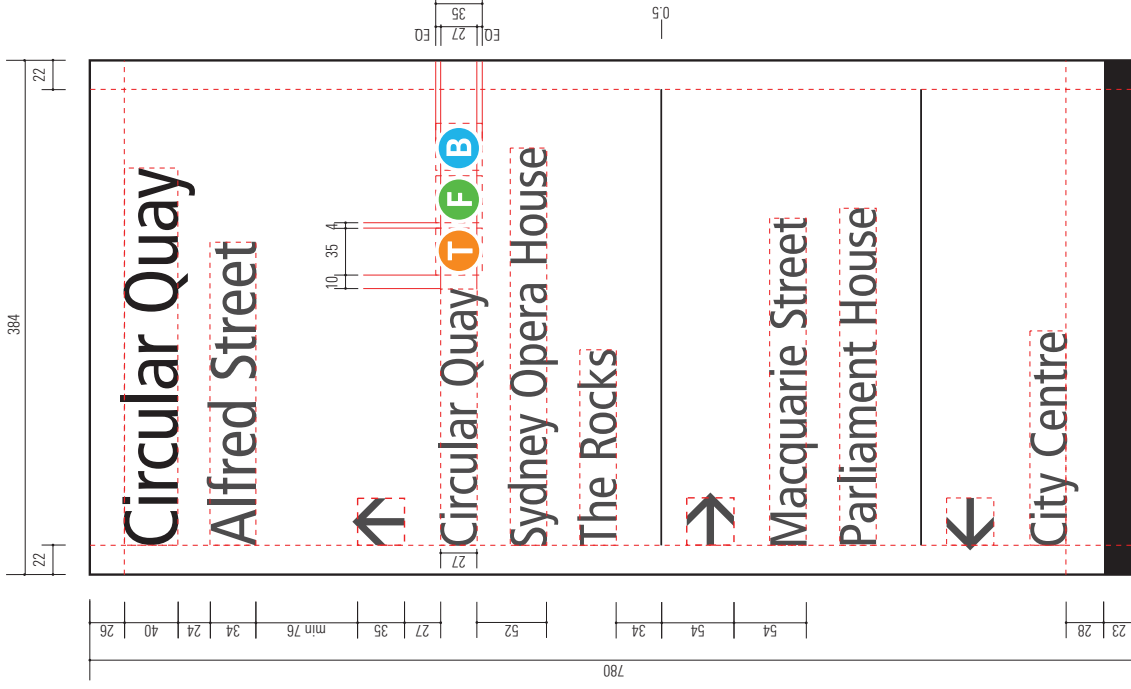
FINGER & FLAG SIGN

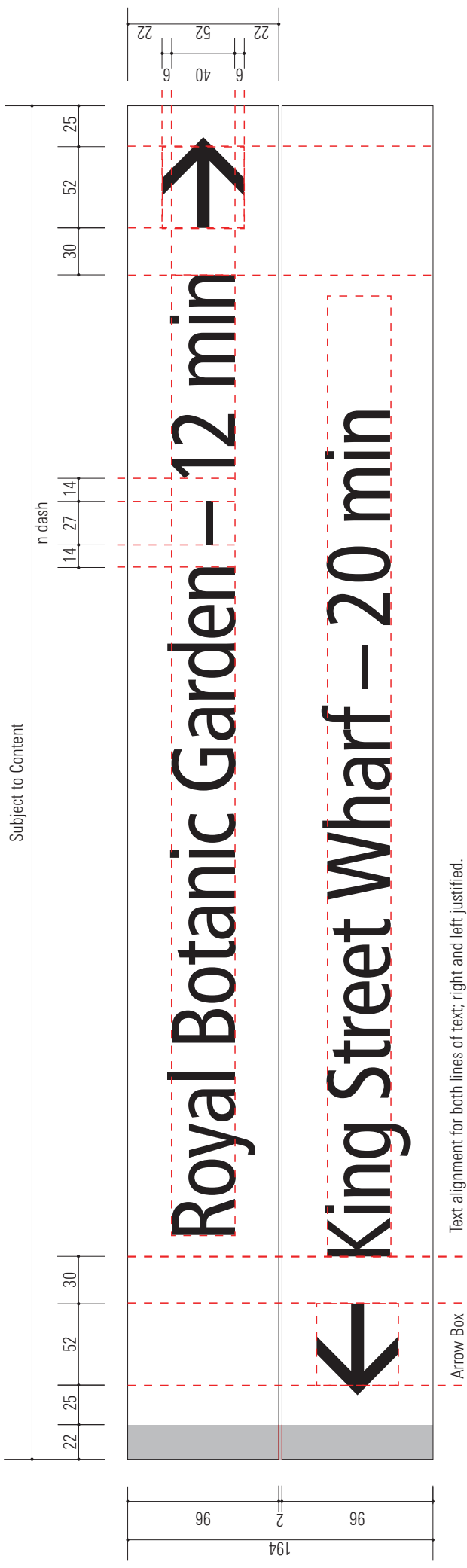
FLAG SIGN – SIGN BRACKET PANEL DETAILS 34



FINGER SIGN – SIGN BRACKET PANEL DETAILS 35







LEGIBLE SYDNEY

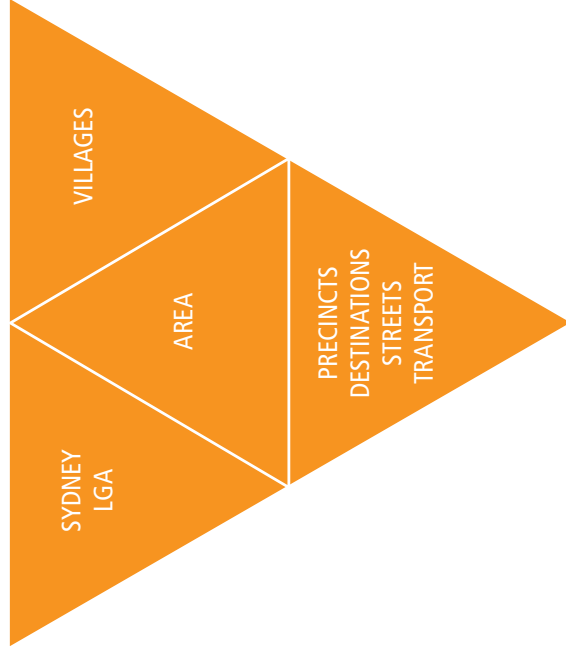
MESSAGE CONVENTIONS & PLACEMENT GUIDELINES

Place naming is critical for the wayfinding system, which shares an environment with other signage tools, such as websites, downloadable applications, printed maps and guides. The convention for place naming is based on a coordinated effort between City of Sydney and stakeholders. Place names are ordered according to scale from the macro to the micro level.


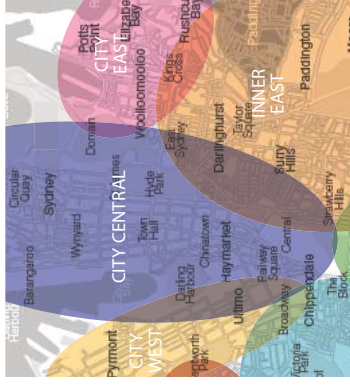





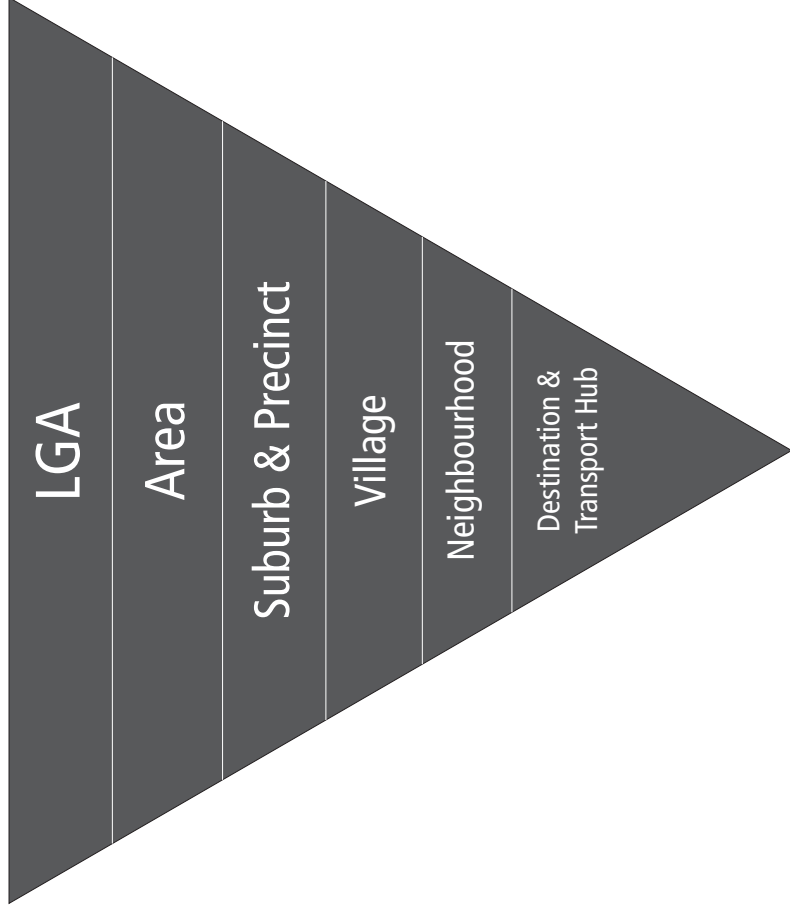
Key

- City Central
City Centre, Haymarket, Chinatown, Millers Point, Dawes Point, The Rocks, Walsh Bay, Circular Quay, Darling Harbour.
- City East
Woolloomooloo, Potts Point, Elizabeth Bay, Rushcutters Bay, Kings Cross.
- City South
Alexandria, Zetland, Beaconsfield, Green Square, Rosebery, St Peters.
- City West
Pyrmont, Ultimo, Broadway
- Inner East
Darlinghurst, Surry Hills, Redfern East, Moore Park, Centennial Park, Paddington
- Inner South
Redfern, Waterloo, Eveleigh.
- Inner West
Camperdown, Chippendale, Darlington, Erskineville, University of Sydney, Newtown.
- North West
Glebe, Forest Lodge, Annandale – East of the Crescent



ENVIRONMENT – PLACE HIERARCHY – RELATIONSHIPS & APPLICATION 40

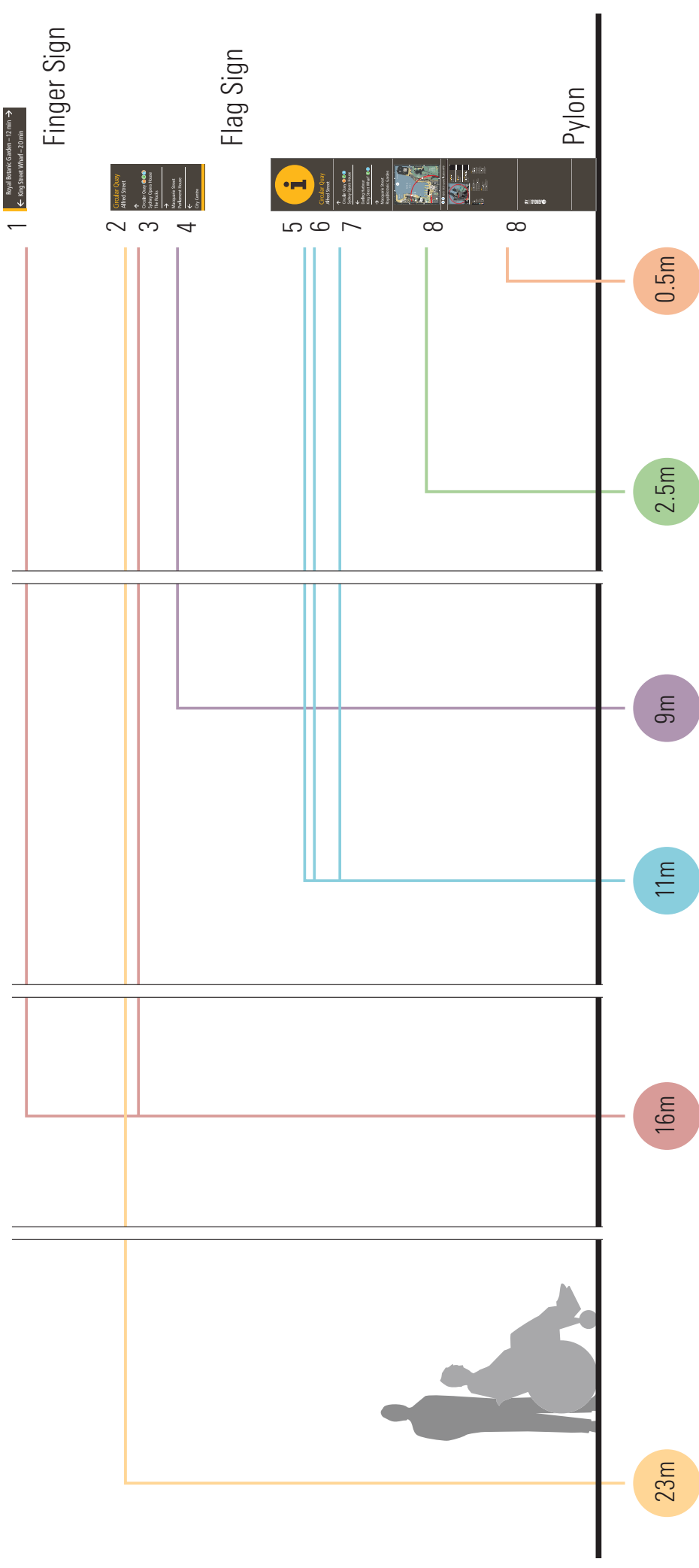
<p>1. LGA</p>	<p>2. Areas</p> <p>Names of Areas within the LGA such as City Central, City East etc.</p>	<p>3. Suburbs, Precincts & Villages (Address on Sign)</p> <p>Names of suburbs such as Chinatown, Millers Point etc. Precincts such as Darling Harbour and future Barangaroo fall into this category. Villages such as Oxford Street, Millers Point etc. A village may be a suburb but it is also a street.</p>	<p>4. Neighbourhoods</p> <p>Names of destinations such as parks, squares, lanes, streets.</p>	<p>5. Destinations & Transport Hubs</p> <p>Names of destinations such as parks, buildings, structures.</p> <p>Civic buildings & community/tourist destinations to be included.</p> <p>Council entities are not named.</p>
<p>City of Sydney LGA. Not named.</p>	<p>Named on:</p> <ul style="list-style-type: none"> overview map 	<p>Named on:</p> <ul style="list-style-type: none"> overview map; detail map; pylon sign; blade sign; fingersign. 	<p>Named on:</p> <ul style="list-style-type: none"> overview map; detail map; pylon sign; blade sign; fingersign; destination marker. 	<p>Named on:</p> <ul style="list-style-type: none"> overview map; detail map; pylon sign; blade sign; fingersign; destination marker.
 <p>Sydney LGA</p>	 <p>Areas</p>	 <p>Suburbs, Precincts & Villages</p>	 <p>Neighbourhoods</p>	 <p>Destinations & Transport Hubs</p>

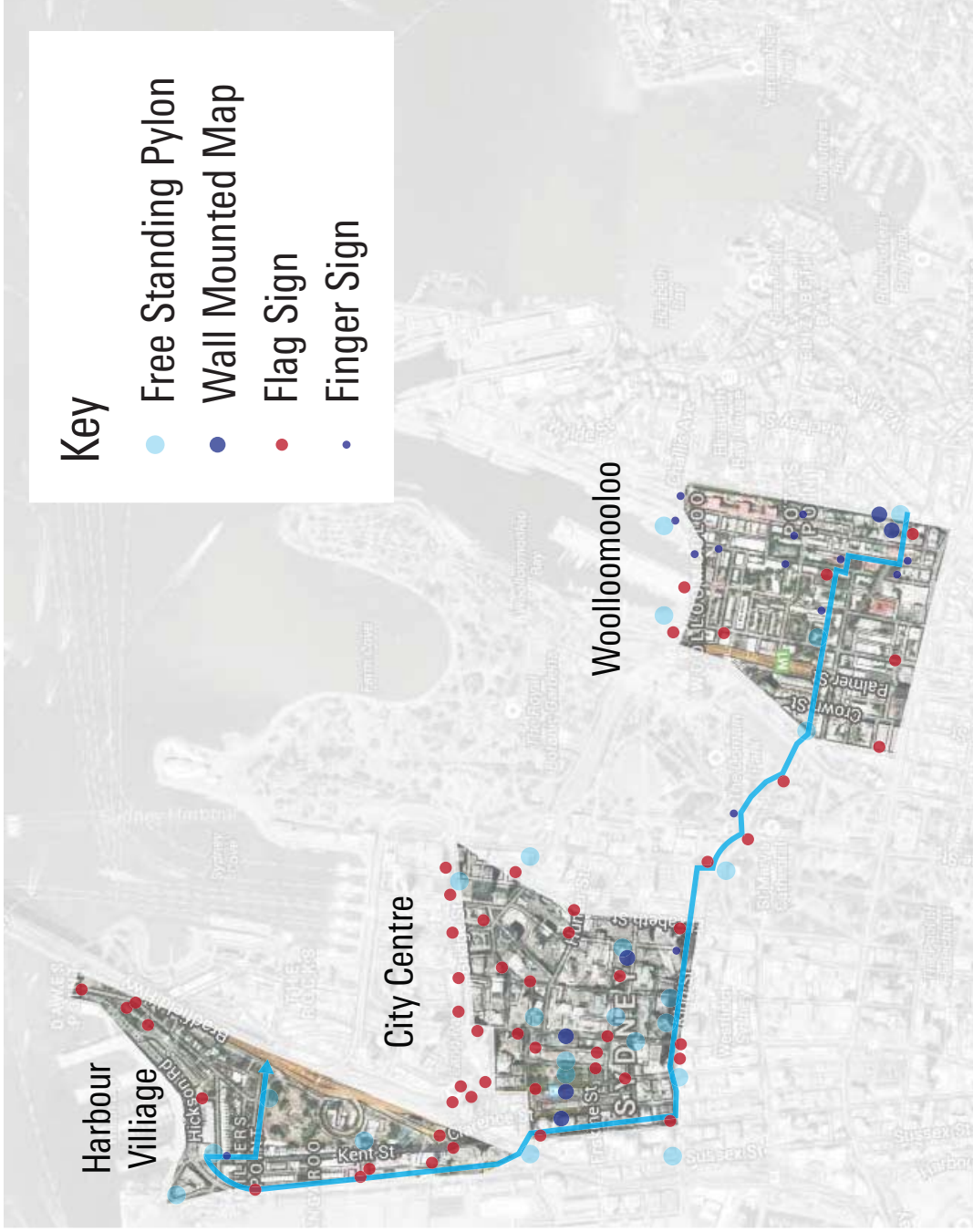


This section documents testing of viewing distances under typical conditions (daytime) by persons who are not vision impaired.

Note: All nominated lettering features 30% luminance contrast against background.

Item	Message Component	Signtype	Lettering Height
1	Direction	Finger Sign	40mm
2	Address – first line	Flag Sign	50mm
3	Address – second line	Flag Sign	40mm
4	Direction	Flag Sign	23mm
5	Address – first line	Pylon	27mm
6	Address – second line	Pylon	23mm
7	Direction	Pylon	23mm
8	Map & Key	Pylon	2 – 5mm





The placement of wayfinding information will be co-ordinated with the implementation of the Liveable Green Network across the City of Sydney local government area. Placement of signs will be organised around a node and journey based strategy:

- Node – precincts, public transport, attractions and destination in an area
- Journey – information to connect villages, city centre, public transport, recreation facilities and other major attractions

The signage system will be applied to create a connected city and allows users to undertake a journey with confidence from one node to another.

Note: Indicative layout only – subject to detailed site audit.

Improve legibility of the public domain through better signage and reduction of clutter.

Planning

The signage placement strategy is based on the routes established by the Liveable Green Network for the entire LGA.

The environments range from the dense urban city to open spaces and parks, villages, neighbourhoods and precincts.

A family of sign types has been developed for these environments to cater for different volumes of foot traffic, for lanes, roads and major traffic arteries, for small scale housing to skyscraper environments.

A preliminary placement strategy considers the following criteria:

- Route;
- Arrival points;
- Intersections;
- Decision points;
- Built and natural environment;
- Foot traffic volume;
- Other modes of traffic;
- Visibility of signs and viewing angles;
- Space available for signs;
- Existing street furniture infrastructure, such as poles etc;
- Existing signs.



The preliminary strategy provides data and visuals to test the impact of signage that replaces existing signage and new signage.

The Site Audit

An audit of the routes covers the following:

- Photographic audit for each proposed sign location;
- Observation of the area to determine proposed sign type, taking into account flow of traffic, built environment, sightlines, space available for new signs as well as existing signs.

The site audit provides data and visuals to quantify the impact of signage. It quantifies signs, sign types, area of information provided and redundant signs.

Street Clutter Reduction

- Site audit is to include the removal of redundant signage due to installation of the new sign system;
- Existing structures, poles and street furniture are to be utilised to apply maps, flag signs and finger signs;
- Pylon signs apply only to strategic nodal locations. The majority of sign types are finger signs and flag signs.

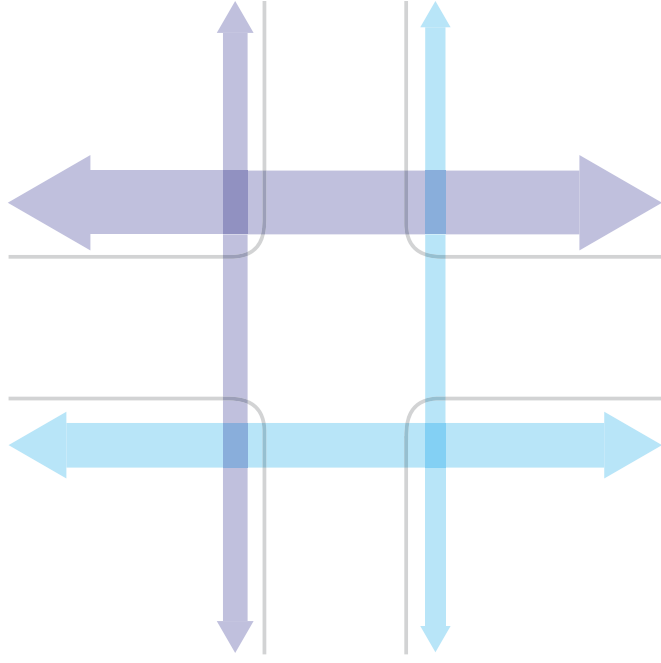


After drawing the initial strategic placement strategy the situation in the street needs to be taken into account. Positioning of signage elements is very precise and governed by principles and limited by on-ground conditions.

The development of the kit of parts and signage component placement work in parallel. Sight lines, building alignment, existing infrastructure such as smartpoles, wall space, ownership, available footprint for signs, existing signs and traffic management devices, sight lines and lengths and direction of routes all play equal roles in determining selection and signage component placement.

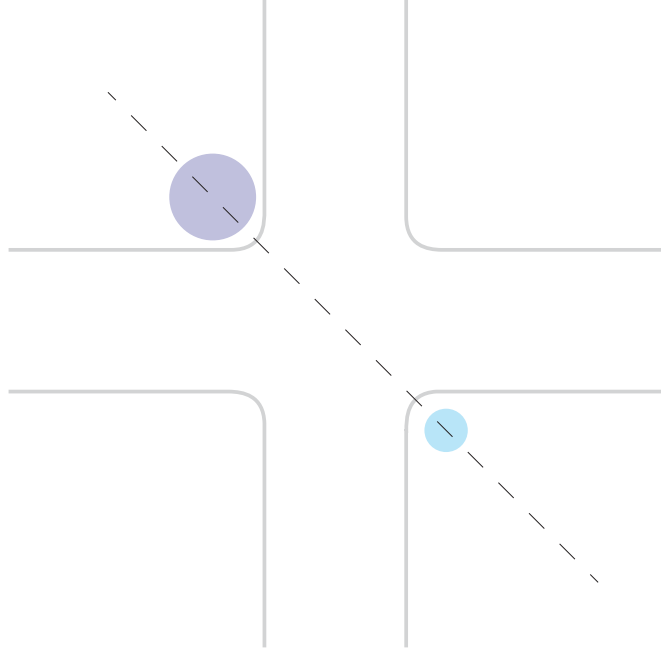


1. Signage addresses primary pedestrian traffic routes.
2. Signage addresses secondary pedestrian traffic routes where appropriate.



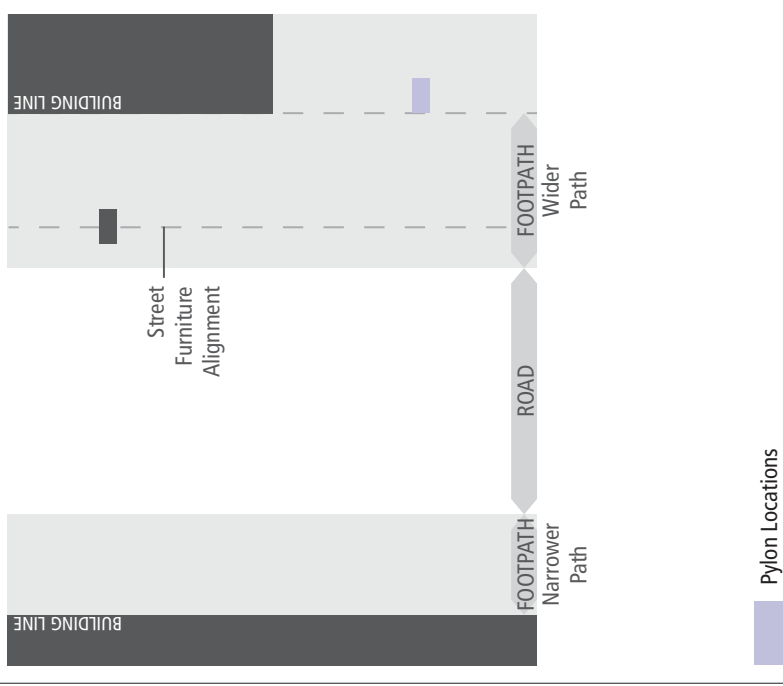
Primary Traffic
Secondary Traffic

3. Signs (Pylons, Flag & Fingersigns) are typically located diagonally across the intersection from each other.
4. Pylons are positioned on the wider of two parallel footpaths.



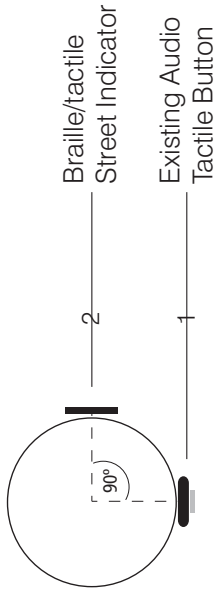
Primary Signage
Secondary Signage

5. Pylons, especially when freestanding are positioned with the faces oriented perpendicular to the traffic.
6. Pylons installed in open spaces (eg. Martin Place) are aligned with building line.



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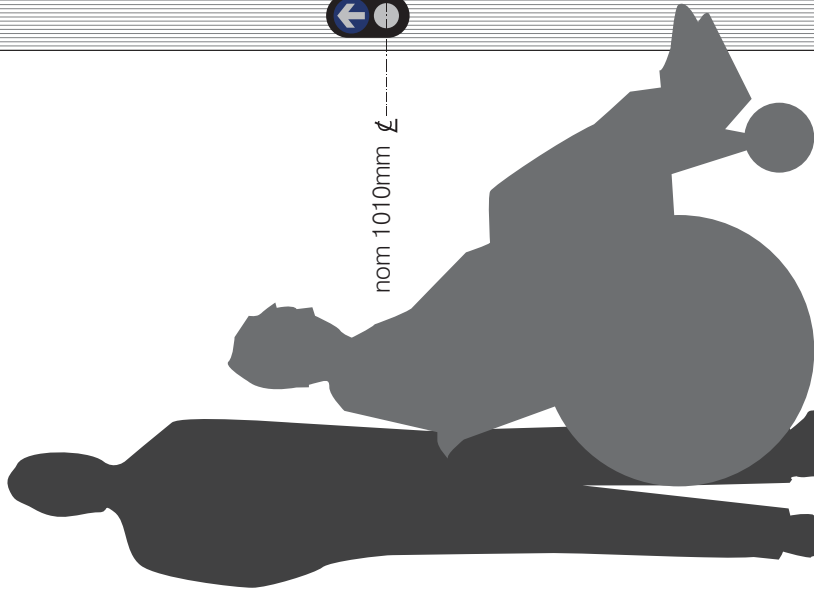
TACTILE INDICATORS (STREET NAME SIGNS)



Top View

Kerb

Smart Pole



nom 1010mm

Braille/tactile
Street Indicator
Audio Tactile Button

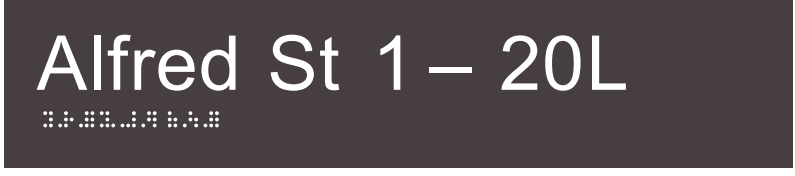
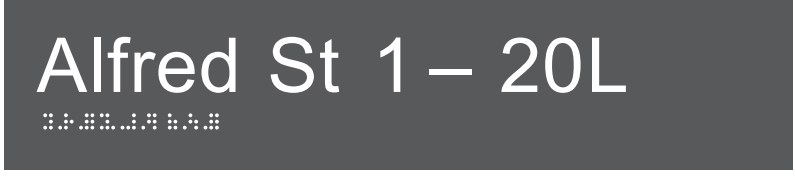
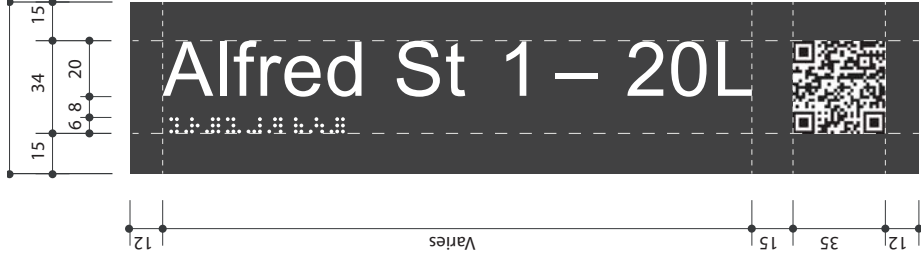
Footpath

Elevation

Should be located in a standard position.

Should be placed on the right-hand side of the pole as the reader faces the kerb.

The centre of the sign should be level with the centre of the audio-tactile pedestrian call button.



Size: 64mm x variable, subject to content
 Colours:
 A) White on Charcoal (to match CoS sample)
 B) White on Bronze (Precious Metropolis Bronze Pearl Satin 971-59003.)
 Braille: Same colour as background

Details of Braille

Grade one
 Only standard contractions eg (ST. / RD.)
 Left justified
 8 mm below Text

Text

Arial
 Sentence case
 Cap height 20mm
 Tracking 14
 Embossing between 1mm & 1.5 mm high

A B

Roll out options: A or B apply subject to City of Sydney direction

Artwork including space allowance to accommodate future QR code



Photograph of final Bracket Prototype with rounded corners



Photograph of indicator without QR code

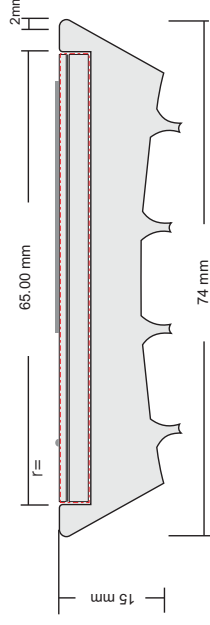


Photograph of final Bracket Prototype and membrane with QR code



Photograph of indicator with QR code

Plan View



- Bracket dimensions 74 x 17mmH. Length is variable subject to content.
- 2mm radius on outer edges (applies also to capping).
- 0.8mm thick double sided tape applied to the underside of the section.
- Stabilising feet to sit inside the smartpole fluting.
- Signlink Dermier Series folded colourbond tray.
- 3mm thick permanent backing panel fixed with double sided tape.
- 1mm thick photo polymer Braille and tactile characters.

Expanded View



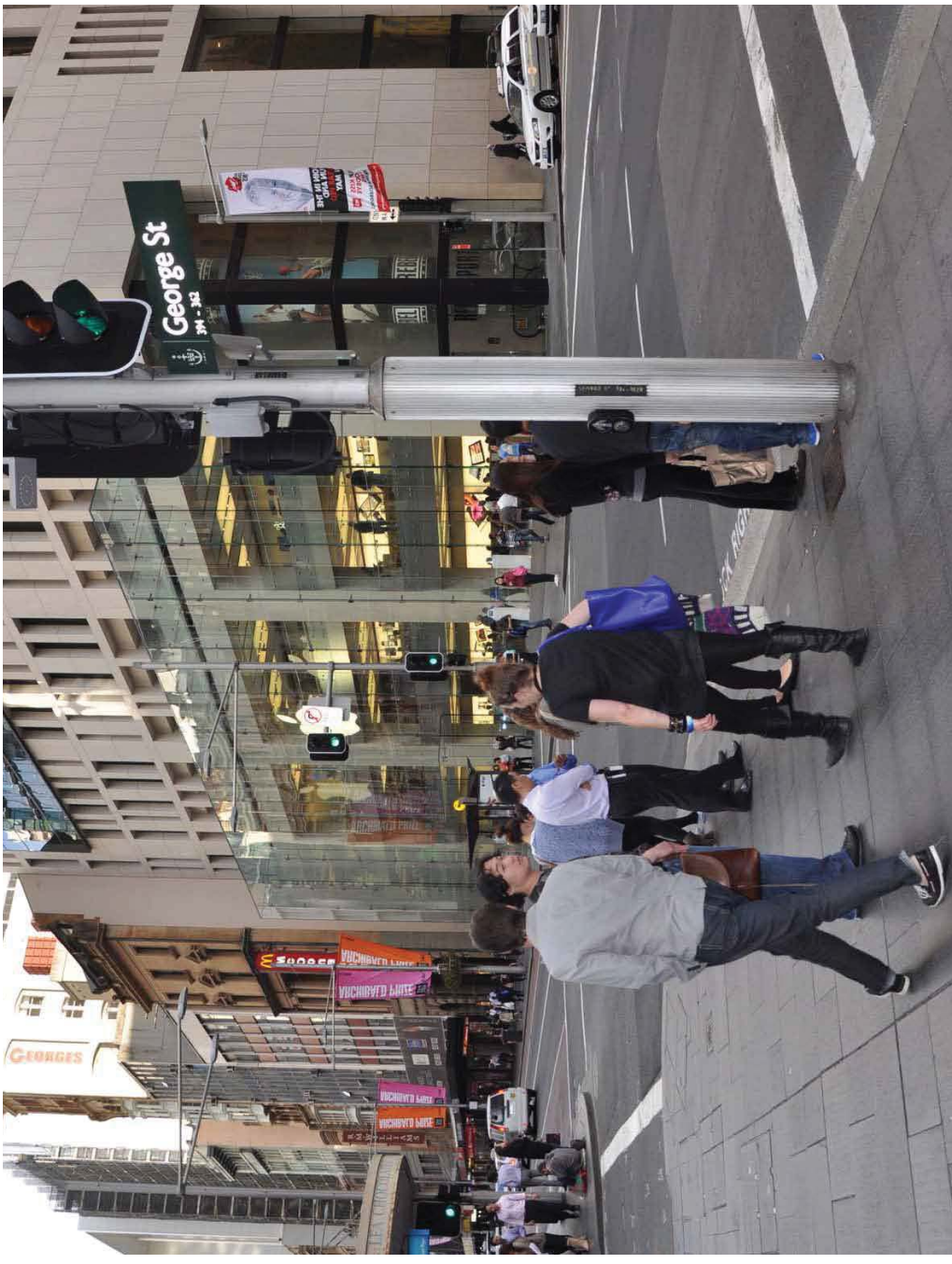
Note: The prototype was prepared for an S1 (larger diameter) smartpole. The design for extrusion for S2 (smaller diameter) and for standard RMS traffic signal pole need to be adjusted.

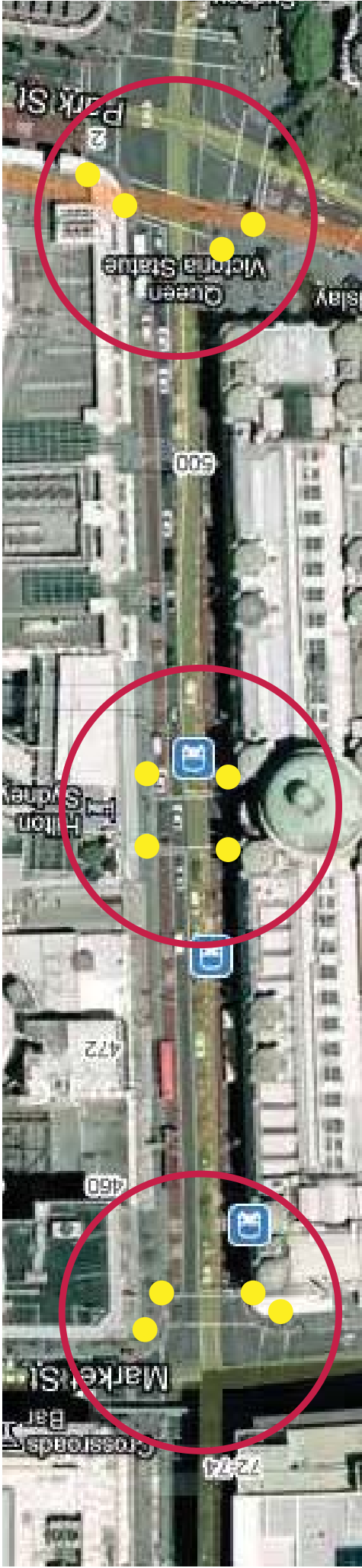
Drawing prepared by Sign Supply Corp. (W/Sale) Pty. Ltd.

Note: The guarantee on any double sided tape has to be a minimum of ten years. The product selection has to be supported by a nominated supplier for this particular project only.

Note: The encapsulated membrane as well as application of colour and Braille/tactile has to have a guarantee of a minimum of ten years. The nominated contractor is to prepare a sample, supported by specific literature by suppliers.

BRAILLE/TACTILE INDICATOR LOCATIONS: TYPICAL POLE, 52 AUDIO TACTILE BUTTON & EXISTING RUBBER TACTILE INDICATOR





Intersection 1

Intersection 2

Intersection 3

