



# HORNSBY SHIRE PUBLIC DOMAIN SIGNAGE

PROJECT NAME: **SIGN TYPOLOGY**

PROJECT STAGE: **DESIGN PART 2**

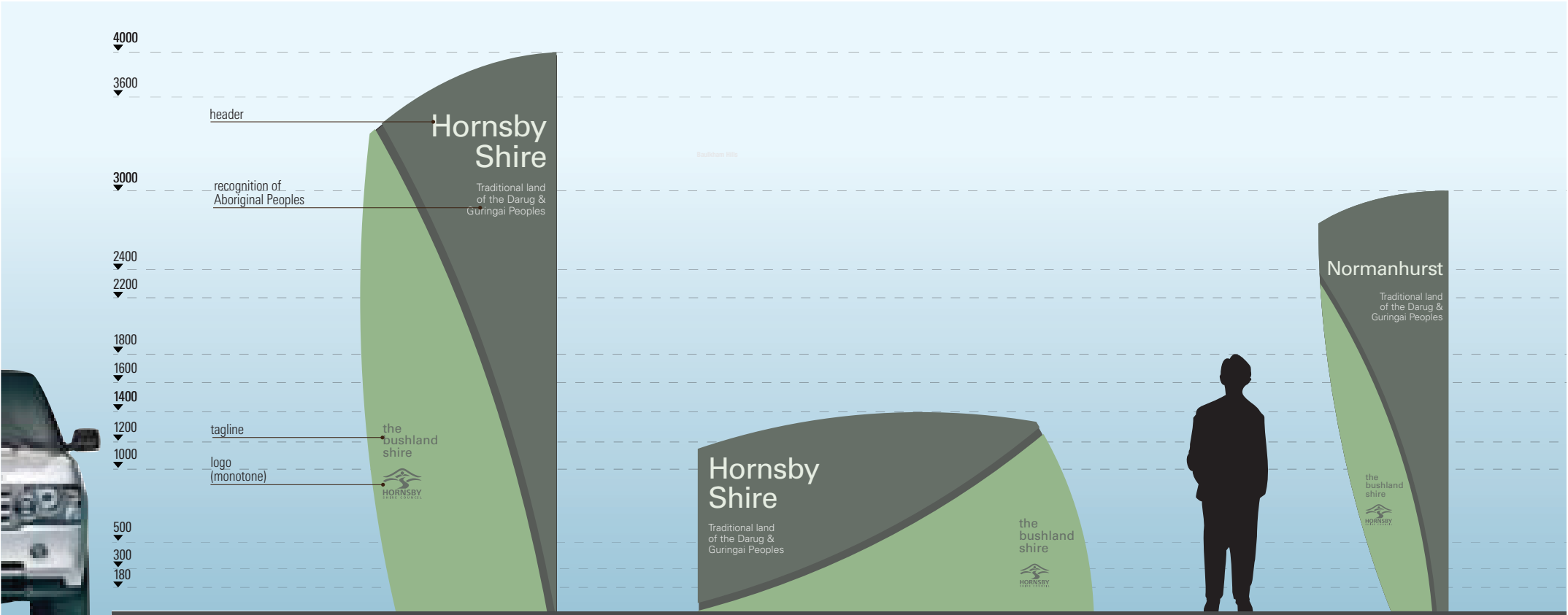
DISCIPLINE: **WAYFINDING & SIGNAGE**

ISSUE: **H**

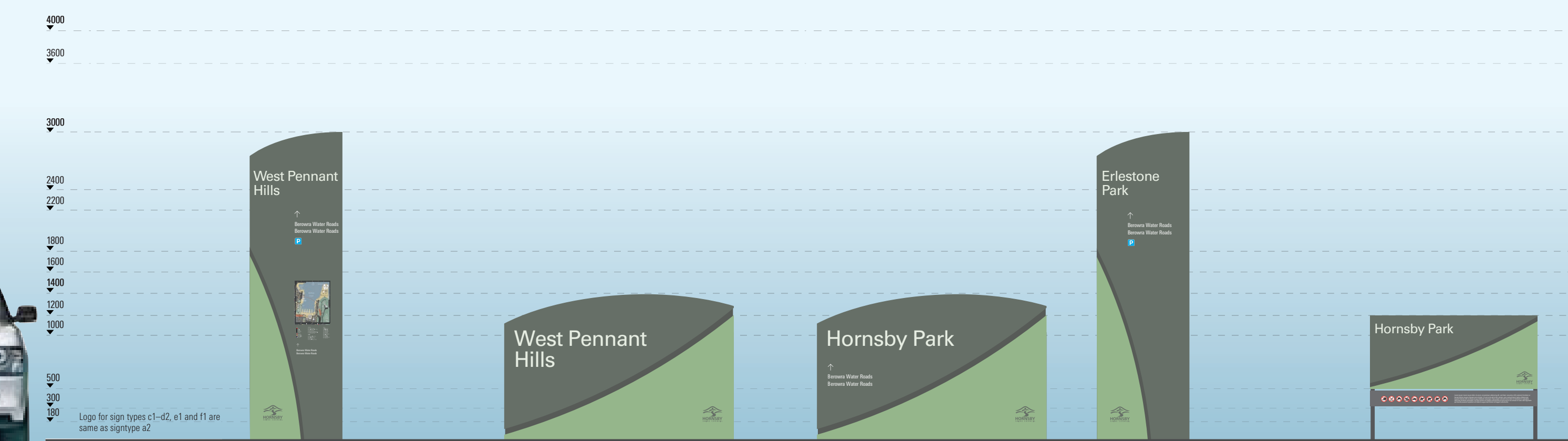
ISSUED FOR: **REVIEW**

DATE: **01.07.2020**

PROJECT NUMBER: **S3334**



SIGN TYPE	<div>a1vertical1400mm W</div>	<div>a2horizontal2770mm W</div>	<div>b1vertical930mm W</div>
PURPOSE	<div>a) LGA Markers</div> <div><div>- Identification of LGA.</div><div>- Bold and clear for vehicular traffic.</div><div>- Located at main entry points to the Shire.</div></div>		<div>b) Suburb Marker</div> <div><div>- Identification of suburb.</div><div>- Bold and clear for vehicular traffic.</div><div>- Located at entry to the suburb.</div></div>
CONSTRUCTION	<div><div>- Concrete footing.</div><div>- Galvanised mild steel structural frame.</div><div>- Aluminium secondary frame.</div><div>- Aluminium cladding.</div><div>- Paint finish to all visible surfaces.</div></div>		



c1

vertical pylon  
900mm W

c2

large horizontal  
2200mm W

d1

large park horizontal and directional  
2200mm W

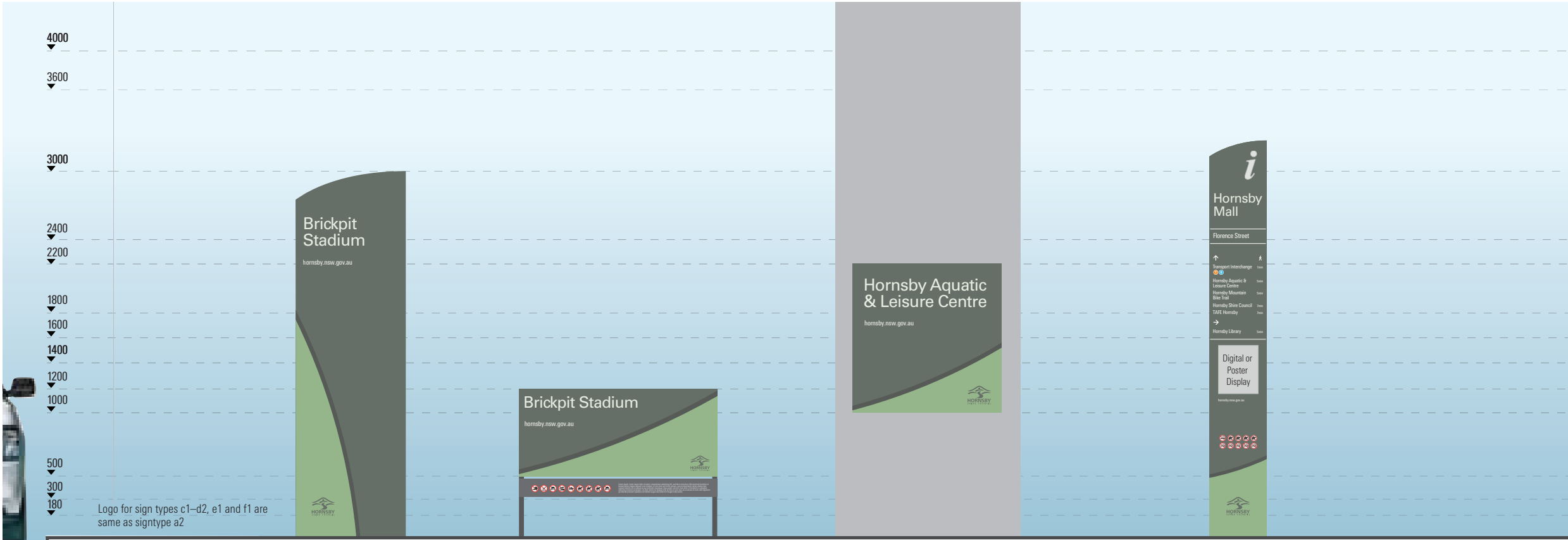
d2

medium park and directional  
900mm W

d3

small park and regulations  
1600mm W, 1200mm H

SIGN TYPE	c) • Town Centre • Village • Small Village • Neighbourhood Markers			d) Park & Reserve Markers		
	Directional Cap Height 40mm Map approx/max A3			Directional Cap Height 40mm		
PURPOSE	<ul style="list-style-type: none"><li>- Identification of town centre.</li><li>- Horizontal sign to be used at entry to rural town centres where adequate space is available.</li><li>- For vehicular and pedestrian traffic.</li><li>- Located at main entry point to centre.</li><li>- The marker can feature directions and a map subject to site-specific requirements.</li></ul>			<ul style="list-style-type: none"><li>- Name of large park/reserve.</li><li>- For vehicular and pedestrian traffic.</li><li>- Located at main entry points of medium sized parks.</li><li>- Directional content will be determined subject to site conditions.</li></ul> <ul style="list-style-type: none"><li>- Name of medium park/reserve.</li><li>- For vehicular and pedestrian traffic.</li><li>- Located at main entry points of medium sized parks.</li><li>- Located at secondary entries to large parks and reserves.</li><li>- Directional content will be determined subject to site conditions.</li></ul> <ul style="list-style-type: none"><li>- Name of small park/reserve.</li><li>- For vehicular and pedestrian traffic.</li><li>- Located at main entry point.</li><li>- Located as secondary marker to d1 and d2.</li></ul>		
CONSTRUCTION	<ul style="list-style-type: none"><li>- Concrete footing.</li><li>- Galvanised mild steel structural frame.</li><li>- Aluminium secondary frame.</li><li>- Aluminium cladding.</li><li>- Paint finish to all visible surfaces.</li></ul>					



**e1** vertical pylon  
900mm W

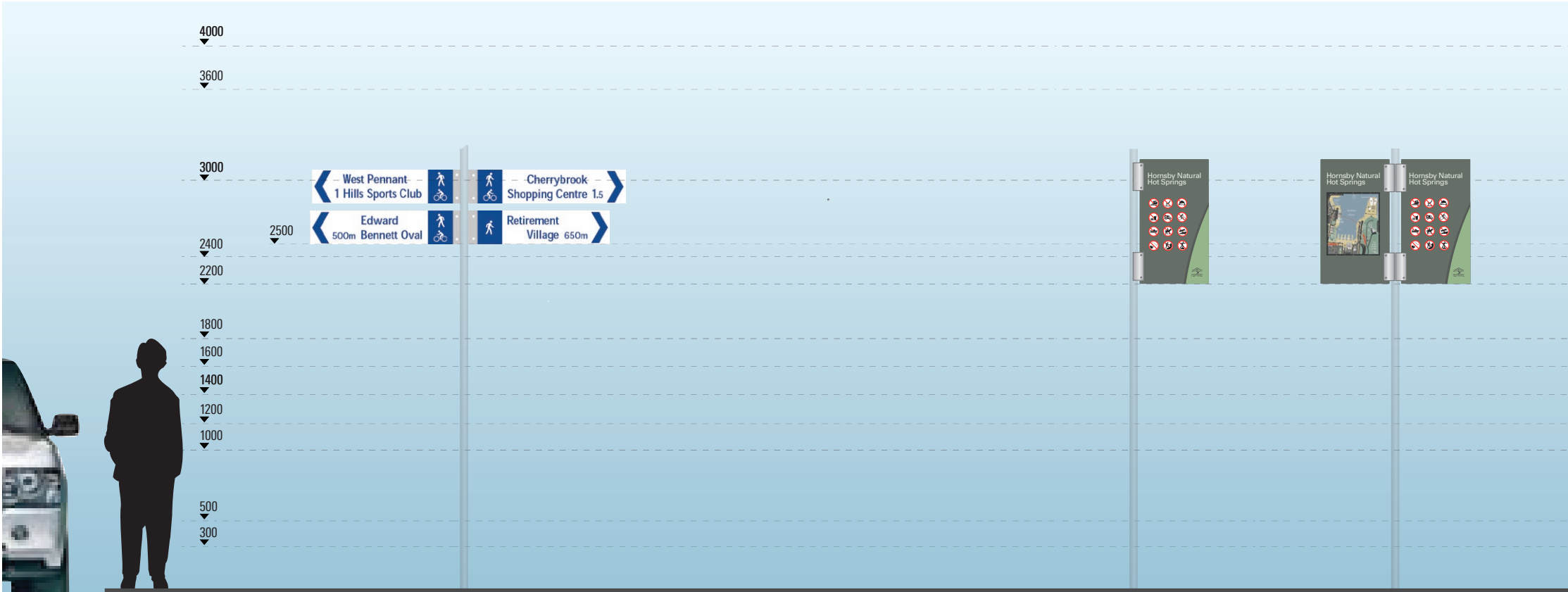
**e2** horizontal sign  
1600mm W, 1200mm H

**e3** wall mounted sign  
1200mm W, 1200mm H

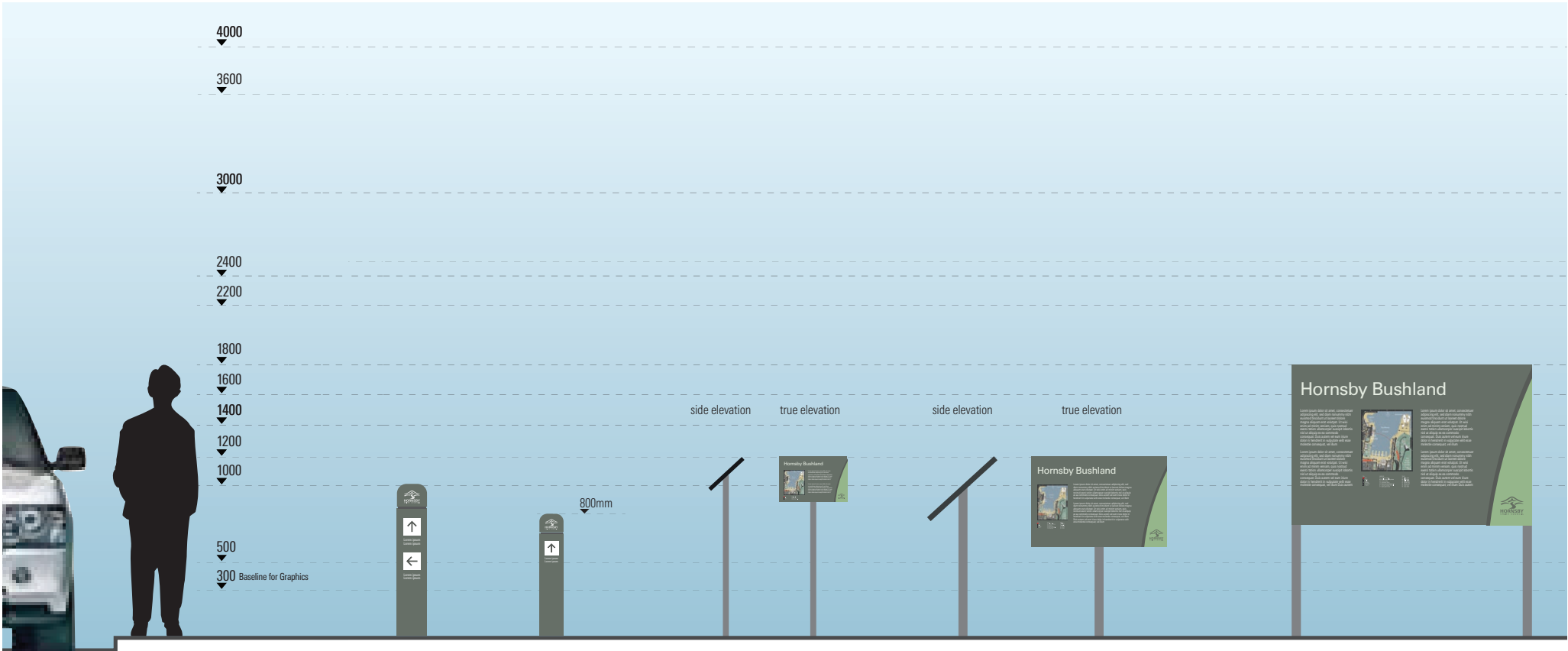
**f1** vertical pylon digital or poster  
450mm W

SIGN TYPE	e) Facilities	f) Information Marker
PURPOSE	<div>Website Cap Height 40mm</div> <div>Optional backlighting</div> <ul style="list-style-type: none"><li>- Libraries, Recreation Centres.</li><li>- Identification of community facility.</li><li>- For vehicular and pedestrian traffic.</li><li>- Located at main entry points of facilities.</li><li>- Website is included to access information about events and bookings.</li></ul>	<div>Directions text size: 30mm</div> <div>Location text size: 40mm</div> <div>Walking time text size: 20mm</div> <div>Digital display approx. A3 size.</div> <ul style="list-style-type: none"><li>- Identification of the neighbourhood.</li><li>- Information about direction and travel time to neighbourhood facilities and attractions.</li><li>- For pedestrian traffic.</li><li>- Located at urban centres.</li><li>- Digital display or poster display for promoting civic events subject to site-specific requirements.</li></ul>
CONSTRUCTION	<ul style="list-style-type: none"><li>- Concrete footing.</li><li>- Galvanised mild steel structural frame.</li><li>- Aluminium secondary frame.</li><li>- Aluminium cladding.</li><li>- Paint finish to all visible surfaces.</li></ul>	<ul style="list-style-type: none"><li>- Galvanised mild steel frame.</li><li>- Aluminium cladding.</li><li>- Paint finish to all visible surfaces.</li></ul>





SIGN TYPE	<div>g1</div> <div>g) Wayfinding Fingersigns</div> <div>Directional Cap Height 65mm</div> <div>Design, fabrication &amp; installation to seperate contract</div>				
PURPOSE	<div><div><div>- Wayfinding information to specific destinations.</div><div>- For pedestrian and cycle traffic.</div><div>- Includes pictograms.</div><div>- Signs to comply with RMS Guidelines.</div></div><div><div>- Signs to comply with the following:</div><div><div><div>• Bicycle Wayfinding Research Report Austroads– AP-R492-15</div></div></div></div><div><div><div>• Guide to Traffic Management – Part 10 Traffic Control and Communication Devices Austroads</div><div>• Manual of uniform traffic control devices Part 9 – Bicycle facilities Australian Standards AS-1742.9:2018</div><div>• Road signs specifications Australian Standards AS-1743.9:2018</div></div></div></div>				
CONSTRUCTION	<div><div><div>- Concrete footing.</div><div>- Anti-twisting bar.</div><div>- Galvanised pole.</div><div>- Aluminium blade and bracket.</div><div>- Retro-reflective class 2 vinyl graphics.</div></div></div>				
	<div><div><div>h1</div><div>regulatory flag</div><div>500mm W, 900mm H</div></div><div><div>h2</div><div>regulatory flag + secondary park entries</div><div>500mm W, 900mm H x2</div></div></div> <div><div>g) Regulations Flag Signs</div><div>Name Cap Height 40mm</div></div> <tr><th>PURPOSE</th><td><div><div><div>- Regulatory information at minor and secondary parks or facility entries.</div></div><div><div>- To be used at minor entries to parks or facilities with larger signs at main entries</div><div>- Map may include park layout for large parks or diagrammatic information for facilities such as small dog parks. To be determined on a site-specific basis.</div></div></div></td></tr> <tr><th>CONSTRUCTION</th><td><div><div><div>- Concrete footing.</div><div>- Anti-twisting bar.</div><div>- Galvanised pole.</div><div>- Aluminium blade and bracket.</div><div>- Digitally printed graphics.</div></div></div></td></tr>	PURPOSE	<div><div><div>- Regulatory information at minor and secondary parks or facility entries.</div></div><div><div>- To be used at minor entries to parks or facilities with larger signs at main entries</div><div>- Map may include park layout for large parks or diagrammatic information for facilities such as small dog parks. To be determined on a site-specific basis.</div></div></div>	CONSTRUCTION	<div><div><div>- Concrete footing.</div><div>- Anti-twisting bar.</div><div>- Galvanised pole.</div><div>- Aluminium blade and bracket.</div><div>- Digitally printed graphics.</div></div></div>
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NOTE:  
Dimensions for Interpretive markers are for  
the interpretive panels only, not for the entire structure.

		i1 vertical primary approx 1000mm H	i2 vertical secondary 800mm H	j1 small 450mm W, 300mm H	j2 medium 900mm W, 600mm H	j3 large 1600mm W, 1060mm H
SIGN TYPE	h) Pedestrian Trail Markers		i) Interpretive Markers			
PURPOSE	- Information about trails/walks.		- Interpretive text and visuals. - The graphic design of interpretive signs is to be site specific. - Design to be completed and approved prior to installation.			
CONSTRUCTION	- Recycled plastic markers by Replas or similar.		- Concrete footing. - Anti-twisting bar. - Galvanised pole. - Galvanised bracket. - Aluminium panel. - All visible parts painted.  Graphic panel with graphics options: - Digitally printed graphics. - Direct print. - Photo anodising.  Alternative - Steel panel with baked enamel graphics.			

Contrast:

- White text on ‘dark green’ background: approx. 84.7 LRV (light reflectancy value)
- ‘Dark green’ graphics on ‘light green’ background: approx. 70.45 LRV (light reflectancy value)
- These values are in the acceptable range where (for comparison):
  - Black on white is approx. 91
  - White on red is approx. 84
  - White on orange is approx. 60

Legibility:

Table according to Australian Standards: **AS 1428.2—1992**

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TABLE 2 HEIGHT OF LETTERS FOR VARYING VIEWING DISTANCES	
Required viewing distance m	Minimum height of letters* mm
2	6
4	12
6	20
8	25
12	40
15	50
25	80
35	100
40	130
50	150

\* For further information on the heights of letters for different situations, reference should be made to AS 1744.  
NOTE: Helvetica Medium typeface is preferred.

Design Principles according to LGNSW  
- Wayfinding and Signage:

- Street signage should have large lettering, colour contrast, plain fonts and non-reflective surfaces. This project complies with these principles.
- Signage should be clear, concise and easy to interpret. This project complies with these principles.
- Street (and business) signs should be easily read by both pedestrians and drivers. This project complies with these principles in that signs are designed for vehicular traffic or pedestrian traffic or both.
- Signage should be well placed so that it is visible from all directions. This project complies with these principles in that signage is oriented towards primary oncoming traffic and location of signs provide optimal sightlines from various directions subject to final site-specific location and orientation.
- Signage should be continuously placed if leading from a distance, for example, leading to toilets, lifts, separate accessible entries, or landmarks. Subject to selection of proposed sign types and selection of sign locations, the project will comply with these principles.
- Transport stops should be well designed. The proposed signage system has been designed to complement standard transport signs in order to provide links from transport hubs and stops to the network of signs along the routes.

- Orientation features such as landmarks and architectural cues should be included on signs. The suite of signs is designed to guide different modes of traffic and user groups to destinations, with directional signs, identification and interpretive signs. Interpretive signs have the capacity to illustrate and describe natural and man-made features.
- Information on location of facilities should be included on signs. Facilities such as publicly accessible toilets are refenced on wayfinding finger signs and the facilities will be clearly identified with larger identification signs or graphics and Braille/tactile signs at the entries.
- International symbols should be used. Complying symbols will be used that are Australian Standards for regulations, NSW standards for transport network/mode symbols and international standards for cyclist, pedestrian and Parking symbol.

Avoid:

- Heritage-style fonts and colours. This project complies with these principles.
- Placing wayfinding signs where there is a lot of visual ‘noise’ that is alongside many other signs and hoardings. Subject to selection of sign types and locations, council is aware of the principles of reducing visual clutter and removing redundant signs in the process of installing new signs.
- Only labelling doors, such as toilet doors, without including signage indicating where the door is located. For toilet blocks, the blocks will be identified and where required sub identifications will guide users to Male/ Female, Parents room, Change room etc. The same will apply to larger blocks in parks that provide services for clubs, sports teams and individuals.

Asset Management

The asset life depends on method of graphic application, method of construction, materials and maintenance.

Maintenance is periodic maintenance such as cleaning and checking of signs where necessary or replacing or fixing due to structural or surface damage.

The warranty on vinyl is up to 10 years, subject to application and orientation of sign.

The construction of the signs exceeds this period and a lifespan of 10-20 years or longer can be expected.

The council may engage internal and/or external resources for the repair and maintenance of signs.

Signs may be inspected yearly or half yearly and the scope of work may include:

- Inspection of signage
- Wash down and clean of specified signs
- Report on Frame, sign panels, fixing and illumination
- Photo report with recommendations.