

BARANGAROO CENTRAL

**Waterfront Promenade & Interim Public
Domain**

ACCESSIBILITY REPORT

Barangaroo

Morris-Goding Accessibility Consulting

FINAL v3

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1. EXECUTIVE SUMMARY

The Access Review Report is a key element in design development of Barangaroo Central Waterfront Promenade and Interim Public Domain and an appropriate response to the AS1428 series, and ultimately the Commonwealth Disability Discrimination Act (DDA).

Morris-Goding Accessibility Consulting has prepared the Access Report to provide advice and strategies to maximise reasonable provisions of access for people with disabilities.

The considerations contained within this report are set out to improve the accessibility for people with disabilities.

2. INTRODUCTION

2.1. General

Boulderstone has engaged Morris-Goding Accessibility Consulting to provide accessibility report in relation to the external domain of Barangaroo Central Waterfront Promenade and Interim Public Domain.

The requirements of the investigation are to:

- Review supplied drawings of the proposed development;
- Provide a report that will analyse the provisions of disability design; and
- Recommend solutions that will ensure the design complies with the Disability Discrimination Act (DDA), and AS 1428 series.

2.2. Objectives

The Report considers user groups including residents, staff, visitors, and members of the public. The Report attempts to deliver equality, independence and functionality to people with a disability inclusive of:

- People with a mobility impairment (ambulant and wheelchair)
- People with a sensory impairment (vision)

The Report seeks to provide compliance with the DDA. In doing so, the Report attempts to eliminate, as far as possible, discrimination against persons on the ground of disability.

2.3. Regulatory Background

The project is intended as an intermediate public domain precinct between the Barangaroo Headland Park and Barangaroo South. The majority of the Barangaroo Central precinct is, purely external domain. The DDA Premises Standards 2010, the Disability Standards for Accessible Public Transport 2002, and the BCA largely do not pertain to the external domain.

Given the above, the recommendations in this report have made with respect to the general principle of equality of access for people with a disability under the Disability Discrimination Act 1992. Because these recommendations do not relate to any mandatory building code, the recommendations do not, therefore, have any direct bearing on building sign-off.

The immediate adoption of the following recommendations will, however, assist in mitigating the risk to the client a complaint of disability discrimination by an aggrieved individual to the Australian Human Rights Commission.

2.4. Accessibility Regulations and Standards

The following standards and regulatory instruments have been cited in the report:

- AS 1428.1(2009) - (80% of people with a disability accommodated)
- AS1428.2 - (90% of people with a disability accommodated)
- City of Sydney Access DCP 2004

- The Disability (Access to Premises - Buildings) 2010, Schedule 1 of which is known as the DDA Access Code 2010 (current to 1 May 2011)
- Disability Standards for Accessible Public Transport 2002 (current to 1 May 2010)

3. SITE DESCRIPTION

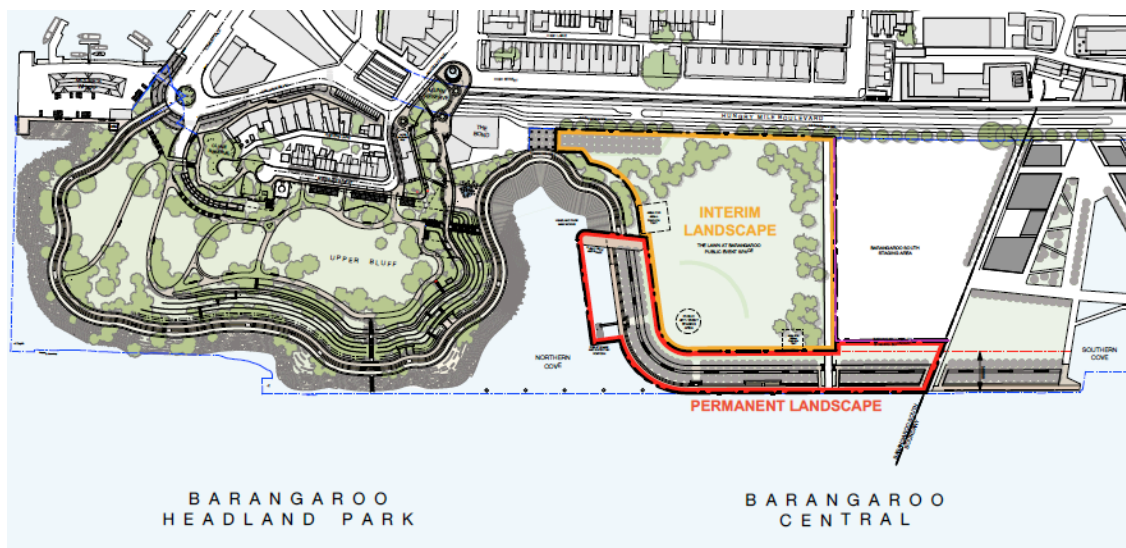
3.1. Site Context

The public domain in Barangaroo Central will be the connector between Headland Park and the urban precinct of Barangaroo South, and will contain elements common to both of these areas. It will extend the Headland Park Promenade along the harbour to Barangaroo South as well as providing significant spaces for public recreation and leisure, and for major events.

The Barangaroo Central Waterfront Promenade and Interim Public Domain is the first stage in the development of the Barangaroo Central site and is scheduled to be completed in 2015.

3.2. Location and Layout

The Barangaroo Central Waterfront Promenade and Interim Public Domain is located on the Barangaroo Central site, and is bounded by the Northern Cove and Headland Park to the north, the harbour to the west, Hickson Road to the east, and the Lend Lease Temporary Construction Staging Area to the south. This is illustrated as below.



3.3. Intended Use

The Barangaroo Central Waterfront Promenade will include a tree lined public promenade and a lower level boardwalk. The Promenade will provide public access along the harbour edge for pedestrians and cyclists.

The lower level boardwalk will provide water edge access for pedestrians. A portion of the Promenade will accommodate deep water berthing and infrastructure for special events but not for long term stopping. A pontoon in the Northern Cove will provide small boat, drop-off access.

The Barangaroo Central Interim Public Domain comprises an interim lawn area that will accommodate major public gatherings, casual sports use and picnicking etc, as well as space for major and minor public and special events. The interim lawn includes two locations for temporary pavilions and a public art/event staging area

(note the construction and delivery of the temporary pavilions and public art does not form part of this scope of works).

Major public and special events may include concerts, festivals, outdoor theatre and circuses.

4. PATHS OF TRAVEL

4.1. Ingress and Egress

Hickson Road connects to the Foreshore Walk of the Northern Cove. There is suitable accessibility at this point. The Foreshore Walk runs around the perimeter of Northern Cove and connects with the Barangaroo Central precinct at the interface of the Public Deck/Stage.

There are 3 x 1:20 Lawn Ramps, two of which connect with Hickson Road. The 3rd lawn ramp connects with the future open area to the south of the Barangaroo Central precinct.

The following issue is a consideration to improve accessibility:

- (i) The 1:20 ramps leading to the Interim Public Domain should be constructed of a 1.8 metre wide handstand to allow 2 wheelchair users to pass each other. The ramps to be designed in accordance with AS1428.1.

4.2. Foreshore Paths of Travel

There are two paths of travel which run parallel to each other adjacent to the shoreline - the foreshore footpaths is the lower boardwalk and the other foreshore footpath is the upper level shared pedestrian/cyclist pathway. The shared pedestrian pathway should be delineated to ensure suitable safety for pedestrians.

Both paths of travel continue south from the Public Deck and Stage. Both paths of travel have suitable gradients throughout, which is readily suitable for a continuous accessible path of travel under AS 1428.1.

Both paths of travel have circulation areas that will allow two wheelchair users the ability to pass each other simultaneously whilst travelling in the opposite direction, compliant with AS 1428.1 (2009). The foreshore footpaths will allow a single wheelchair user the ability to turn 180° in an independent and equitable manner, compliant with AS 1428.1(2009).

There are ramp connections between the shared pedestrian/cyclist pathway and the lower boardwalk at the northern and southern ends of Barangaroo Central.

The following issues are considerations to improve accessibility:

- (i) Provide seamless accessibility from the Northern Cove Foreshore Walk across the Public Deck and Stage to the Boardwalk and the shared pedestrian/cyclist pathway.
- (ii) Ramp linkages to the lower boardwalk should be no steeper than 1:14, and preferably have 1:20 gradient, compliant with AS1428.1-2009. It is preferred to have 1:20 gradient ramps due to ease of use for many people with mobility impairments.
- (iii) Provide timber plinths/joists at the edge of the boardwalk.
- (iv) All paths of travel should have hardstand surfaces.

4.3. Public Deck

The public deck is accessed from the lower boardwalk and the upper level shared pedestrian/cyclist pathway. The public deck has appropriate circulation areas that will

allow wheelchair users the ability to manoeuvre and pass in accordance with the DDA Premises Standards.

4.4. Pontoon

The public wharf connects to the lower boardwalk via ramp.

Consideration is to be given to apply the DDA Transport Standards (DSAPT) to the public wharf, if the wharf is to be used for public transport conveyances (eg ferries). This includes ramp gradient, handrails, TGSI.

4.5. Stairs

There are sets of stairs along the lower boardwalk.

The following issue is a consideration to improve accessibility:

- (i) Provide handrails on either side of each of the stairways

5. COMMON FACILITIES & AMENITIES

5.1. Interim Public Domain

Consideration should be given to provide a section of hardstand pathway at the top of the lawn and connected to accessible entry paths.

5.2. Rest Seating

Suitable rest seating locations have been provided along the length of the shared pedestrian cyclist pathway.

The following issues are considerations to improve accessibility:

- (i) Rest seating at intervals of 60 metres (max) should be provided along the boardwalk
- (ii) Consider rest seating design to comply with AS1428.2.

5.3. Sanitary Facilities

There will be sanitary facilities available, including accessible toilet and ambulant cubicles, adjacent Northern Cove area. This is part of the scope of works for Barangaroo Headland Park (BHP).

5.4. Built Elements

It is proposed that the Barangaroo Central precinct has 2 areas for pavilions, a café area and a public stage.

The following issue is a consideration to improve accessibility:

- (i) Provide accessible paths of travel to each of these built elements when they are constructed and operational.

5.5. Signage

The following issues are considerations to improve accessibility:

- (i) Provide directional signage indicating the location of the boardwalk, sanitary facilities, public wharf
- (ii) All signage is to meet the requirements of DDA Access Code 2010 clause D3.6.
- (iii) Where provided, any interpretive signage should be accessible for people with vision impairment.

6. TRANSPORT LINKAGES

6.1. Accessible Car Parking

There is no car parking provided within this proposed design.

6.2. Public Transport Linkages

The provision of services such as bus, ferry, light rail and taxis is to be in accordance with the Barangaroo Integrated Transport Plan.

This plan needs to be reviewed in context with the DDA Transport Standards (DSAPT) to ensure that there are appropriate accessible linkages with the Barangaroo Central Precinct and Barangaroo Headland Park.

7. CONCLUSION

In general, the project has accessible paths of travel that are continuous throughout. In line with the report's considerations, the Development Application drawings indicate that accessibility requirements, pertaining to site access, common area access, can be readily achieved.