# AUSTRALIAN WAR MEMORIAL

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ATTACHMENT A



# MASTER PLAN

Site Design & Building Development Principles

National Capital Authority May 1999 (First update)

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NCA 01 drawing	<b>Building Zones Plan</b>
NCA 02 drawing	Height Limits Building Zone A

National Capital Authority

# AUSTRALIAN WAR MEMORIAL

# Master Plan Update: Site Design and Building Development Principles May 1999

## 1.0 GENERAL

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## 1.1 Preamble

As a place of National Significance, the Australian War Memorial (AWM) plays an important symbolic and functional role within the National Capital. In recognition of this, new development should capture and reinforce the intrinsic nature of the memorial and its setting and reflect a quality in keeping with the role the memorial plays in Australian society.

To this end, building and open space works should display symbolic, cultural and environmental sensitivity and establish hierarchical relationships between land uses, pedestrian and vehicular circulation, entries, and special site elements to ensure the unity, longevity and memorability of the site.

The following master plan update aims to clarify and define the principles that are important to maintain, reinforce and enhance the site characteristics while recognising the AWM as a popular developing cultural institution. The site design and building development principles will ensure that progressive development and refurbishment works contribute to the site character and significance of this national institution.

# 1.2 SUPPORTING / RELATED DOCUMENTS

#### 1.2.1 National Capital Plan

The Australian War Memorial site is Block 1 and 2 Section 39 Campbell. This land is within the Designated Areas of the National Capital Plan (NCP) and falls within the Land Use Category of National Capital Use.

Land ownership of the AWM site and Treloar Crescent is indicated in Map 1 attached.

#### 1.2.2 Land Management

The AWM site is National Land. The National Capital Authority (Authority) manages National Land on behalf of the Commonwealth. National Land is defined, as land required for the special purposes of Canberra as the National Capital. In relation to land, management includes care, control and maintenance.

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#### 1.2.3 Site Master Plan

In 1993 the Authority was commissioned by the AWM to prepare a site master plan. The Authority forwarded a draft Site Master Plan to the AWM in November 1993, and the AWM Council endorsed this document in February 1994.

The 1993 Site Master Plan comprises a series of drawings. The drawings show the location of future building works (exhibition hall; research centre) and landscape works (including car parks; road works etc).

This document updates and supplements the 1993 Site Master Plan to better reflect the Authority requirements for development of the site in accord with its national significance and the AWM program for the development of the Anzac Hall. This Master Plan also takes into account development since November 1993 including the Western Garden.

With this document all reference to a Master Plan refers to this 1999 update.

Policies developed in the Conservation Management Plan (prepared in 1995) have been included to ensure the Master Plan provides for ongoing development of the AWM.

#### 1.2.4 Memorandum of Understanding

A Memorandum of Understanding (MOU) was signed by the Authority and the AWM in November 1998. This MOU records the respective roles, responsibilities, and relationships of the two parties regarding planning, design, development, management and maintenance of that part of the Designated Area occupied by the AWM.

Reference in the MOU to the 1993 Site Master Plan now assumes reference to the 1999 AWM Master Plan.

#### 1.2.5 Conservation Management Plan

Early in 1994 the Australian Heritage Commission engaged architects Bligh Voller to prepare a Conservation Management Plan. The report completed on April 1995 contains an analysis and assessment of the heritage aspects of the Australian War Memorial and its surrounds, which includes a statement of significance for the place, and develops policies to manage and conserve the significance of the place.

The Conservation Management Plan takes account of and makes reference to the Site Master Plan.

# 1.2.6 The Principles Document

The AWM Master Plan: Site Design and Building Development Principles are based on the objectives as illustrated in the 1993 Site Master Plan. The principles are statements describing the illustrated Master Plan and link the design objectives with the illustrated plan. Development intent statements that explain the objectives illustrated in the Master Plan precede the principles. The site design principles cover the objectives for the entire site and provide a broad context for new building and site development.

The principles set out in this document clarify and define the nature of the new development and establish the basis for assessing works approval applications.

#### 1.2.7 Guidelines

The Authority may produce Guidelines for individual development proposals if deemed necessary to clarify and further define the broad Master Plan objectives. The requirement for and content of specific guidelines will be formulated with the proponents early in the design phase. With respect to the Anzac Hall development, guidelines will be formulated with the AWM and their selected architects.

## 2.0 PRECINCT STRUCTURE

#### Development intent

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The site is in a prominent position on the Land Axis, terminating Anzac Parade. New development must recognise both the symbolic importance and physical significance of this location. Views both from the site to surrounding areas and into the site, including the elevated views from Parliament House and Mount Ainslie must be carefully considered. The vista along Anzac Parade (along the Land Axis) to the AWM is of particular importance and should be acknowledged in new proposals.

Open spaces should reinforce the site's relationship to other areas of the Central National Area via the strong physical and visual link along Anzac Parade. The site is adjacent to the Mount Ainslie Nature Park part of the 'Inner Hills' Designated Area that also includes Remembrance Park. Opportunities for safe, direct access and interconnection between the site and the memorials along Anzac Parade should be considered in further site development. This will become more important when considering the provision of car parking along Anzac Parade and the relocation of parking on site.

The arrangement of buildings and open space should contribute to improving the specific microclimatic conditions of the site, including response to issues of wind protection, winter sun and summer shade.

## Principles

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- 2.1 The Australian War Memorial site is divided into five landscape zones, these zones and their existing and intended characteristics are:
  - Anzac Place, comprising the forecourt and symmetrical ceremonial roads and red gravel paved parade ground enclosed by open irrigated lawn slopes focusing on the dedication stone.

Immediate surrounds to the War Memorial A series of predominantly formal spaces immediately adjacent to the Memorial building which together serve as a base or pedestal to the building. The spaces include the Western Courtyard, North-East Entry Court, North-West Entry Court, and Eastern set down court. These surrounding spaces allow the Memorial to be appreciated 'in the round' and serve to connect both existing and proposed buildings, reinforcing the symmetrical plan layout of the complex.

# • Western Garden

The garden is characterised by open lawn areas with commemorative plantings amongst existing exotic group planting. The garden is being developed as a memorial / sculpture garden

Eastern Garden

Eucalypt woodland to the hill slope, with coppice and clearings reflecting the native landscape character of Mount Ainslie.

## • Treloar Crescent.

Eucalypt avenue tree planting, screened on-site surface parking including coach parking and on street parking.



Figure 1

2.2 New building development is to generally be within the defined building zones illustrated on Figure 1. The zones indicate development sites to the rear and to the east of the Memorial. The building zone to the east generally mirrors the location of the existing Administration Building development to the west.

# 3.0 OPEN SPACE

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#### Development intent

New development should acknowledge the importance of, and maintain the magnificent existing landscape setting of the site. It should not unnecessarily alter existing natural features or vegetation and all measures are to be taken to cater for these in new design work, particularly where they perform a memorial function.

The site design should establish a hierarchy of spaces in accord with the precinct structure. These spaces are to support a variety of visitor activities and experiences and create a logical sequence of visitor circulation offering a clear sense of orientation and security.

The Master Plan calls for a high degree of formality in the areas immediately surrounding the memorial. Such landscape formality should also be characteristic of the boundaries, forecourt, Anzac Place as well as those areas immediately surrounding the building.

Moving away from the main building, the use of landscape design elements to screen out or dilute activity is encouraged to provide for a variety of open spaces ranging from busy public use to others having a more private and contemplative nature.

Site boundaries should be clearly identifiable from all approach routes. Gateways or entries should be treated to reflect their varying degrees of prominence, depending on their relationship to the internal circulation system.

Proposed designs should contribute to the creation of a landscape and built form that responds to the topography of the site. The current arrangement responds well along the north south axis, by reflecting the broader influence of Mt Ainslie to the rear falling away to Anzac Parade and Lake Burley Griffin to the south. The manipulation of site levels to reinforce the podium effect from the forecourt and ceremonial entry and the amphitheatre of Anzac Place below this are quite dramatic. Similar consideration to the landform as an important tool for the creation of open spaces should underlie any new proposals.

#### Principles

## 3.1 Landscape Character

3.1.1 Two predominant landscape character zones exist on the site. Zone A - Upper Eastern half of the site, woodland with groups of eucalypts 臺

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reflecting a continuation of the Mt Ainslie Nature Reserve character. Zone B – Lower west half of site, open lawn areas with introduced tree species groups. Refer to Figure 1

- 3.1.2 The two new building zones identified in Figure 1 fall within Zone A. Development of the landscape surrounding the sites should complement and reinforce this predominant character.
- 3.1.3 The topography also plays an important role across the lateral site cross section with the higher undulating informal nature to the east responding to the rocky foot-slopes of Mount Ainslie contrasting strongly with the lower more formal expanses of broad lawn areas to the south and west.

#### 3.2 Site Development

- 3.2.1 New building development to the rear of the Memorial (building zone A) will define the northern limits of the immediate surrounds to the Memorial. The North-west entry court, North-east court and the link space will be formalised between the existing memorial building and the new building development. The courts will contribute to the creation of a continuous and connected formal landscape footprint to the base of the building.
- 3.2.2 The arrangement and relationship between dispersed building elements shall respond to the geometry of the existing building's volume and the modulation of its facades, and form well defined and coherent spaces unifying the building elements.
- 3.2.3 The new development to the east of the memorial will (like the Administration Building) contribute to defining the edge of the immediate surrounds to the memorial. The design of the building development shall consider establishing a similar entry arrangement from the formal memorial surrounds.

## 3.3 Materials and Finishes

3.3.1 High quality hardscape materials, finishes and details are required for the formal landscape spaces created immediately around the War Memorial Building. Materials shall be durable and low maintenance.

# 3.4 Memorial Location Plan

3.4.1 The location of sites for future memorials, sculptures, commemorative planting and outdoor displays shall be developed and agreed with the Authority.

## 4.0 **BUILDING**

#### Development intent

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The character, composition and quality of new building development shall contribute to the creation of a building group that is clearly identifiable as a national cultural institution. New development is to contribute to the establishment of a well-ordered built environment.

New building development must acknowledge that the Memorial building is intended to be seen and appreciated 'in the round'. The terminal elevation of the Memorial seen from Parliament House and Anzac Parade is significant, as are views from the summit of Mount Ainsle. Development in the Building Zone to the rear of the Memorial generally is not to be visible when viewed from Parliament House and Anzac Parade.

The built form, architectural composition and selection of materials for building development shall be of an appropriate quality to the site and respect the existing memorial building.

Opportunities to focus interior spaces outward while taking account of museological and conservation functions, may encourage interest and greater use of the site. Views from within buildings, particularly public areas, may take advantage of views such as those to Mt Ainslie. Such views provide visual relief and orientate the observer within the National Capital. Similarly, views to the existing Memorial building, particularly the dome will also fulfill these roles.

Principles

# 4.1 Building Zones

- 4.1.1 New building development is permitted within the building zones shown in NCA 01 Drawing Building Zones Plan.
- 4.1.2 Building development adjacent to the immediate memorial surrounds is to be set back from the existing building. This will allow each building to read as separate elements. It is essential to maintain the memorial space 'in the round'.
- 4.1.3 Careful consideration shall be given to development in . building zone A and the Memorial to ensure that the new development enhances the quality, form and presence of the Memorial.
- 4.1.4 Pedestrian access in the separation space between the existing memorial building and development in building zone A is to be maintained allowing effective at grade access between new developments.

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4.1.5 Any proposed physical link(s) from the existing memorial building to developments to the rear or east are to link in a manner not inconsistent with the character, major divisions and composition principles of the memorial building. Any physical links are to maintain the sense of the Memorial 'in the round'. Views to either building and into the separation space between the buildings shall be maintained.

#### 4.2 Building Height

- 4.2.1 The height of development in building zone A is generally not to exceed the parapet level of the east and west gallery wings to ensure the silhouette of the Memorial remains dominant and distinct. Refer to drawing NCA 02 Building Zone A height *limits* attached
- 4.2.2 Where for demonstrable functional reasons the building height exceeds this parapet level the visible impact must be minimised.
- 4.2.3 A roof level above this general height limit may be considered for functional reasons if located within a zone no greater than the width of the existing Hall of Memory. (Sight shadow of dome tower). Refer to drawing NCA 02 Building Zone A height limits attached
- 4.2.4 The height of new development in building zone B is to generally be three storeys to mirror the Administration Building.
- 4.2.5 The roof form of building developments including mechanical plant, service systems and clerestory window roof lights is to be an integral form.

# 4.3 Building Character

4.3.1 Generally, new building character is to respond to the proportions, scale, rhythm and architectural detailing of the existing Memorial building and Administration Building so that the ensemble of buildings is coherent.

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- **4.3.2** Facade treatment and detailing shall add depth and modelling to the building faces and must:
  - Structure the surfaces of the building and refine its scale;
  - Maximise energy efficiency and take advantage of local climate.



- 4.3.3 The roofs of buildings on the site are highly visible from elevated positions and must be treated accordingly. Visible roof plant will not be permitted.
- 4.3.4 Future expansion or extension within the building zones must be considered at initial design stages. Principles for the satisfactory integration of such future expansion are also to be considered.

#### 4.4 Materials & Finishes

- 4.4.1 The standard of design, materials, finishes and details of any new buildings are to be of a quality appropriate to the site and the existing memorial building. The design life must accord with the national significance of the building and its setting in the Central National Area.
- 4.4.2 Material and configurations of cladding elements and assemblies shall be low maintenance and durable and shall resist abrasion, scratching, atmospheric chemicals, water retention, weathering, staining and deterioration, and control dust collection, rainwater run-off and colour stability.
- 4.4.3 Highly reflective roof or wall materials will generally not be permitted.
- 4.4.4 The form, colour and texture of external cladding shall be selected with reference to the compatibility of the site and context, fitness for purpose and suitability within the overall architectural concept.
- 4.4.5 Exterior surfaces and textures shall be designed or selected to achieve appropriate visual interest at both long and close range.

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# 4.5 Plant, Equipment, External Storage and Refuse Containment

- 4.5.1 All mechanical plant, equipment and storage is to be located within the buildings or designated service areas and shall be screened from public view and access. Lift overruns and roof mounted plant and other structures are permitted only if contained within an enclosure appropriate to the roof form. Plant and service areas are preferably to be combined with existing areas of existing buildings if functionally possible.
- 4.5.2 The location of plant and equipment and design of equipment housing /screening shall be consistent with the architectural vocabulary of the building design. Exposed mechanical plant will not be permitted.
- 4.5.3 Mechanical exhaust or intake grilles for machinery, plant or food preparation areas shall not discharge on to or draw from (major) public access zones at ground level. Noise from mechanical equipment is to be controlled to ensure that it does not detract from the amenity of exterior spaces.
- 4.5.4 The location, size and appearance of satellite dishes and other telecommunications structures are to comply with Amendment 21 of the NCP *Policies for Telecommunications Facilities*.

#### 5.0 HERITAGE & ENVIRONMENT

5.1 Development within the AWM Site must respond to and incorporate recommendations and management practices prepared as part of the Conservation Management Plan for the protection and/or conservation of elements considered of significant natural and cultural heritage.

## 6.0 MOVEMENT AND ACCESS

#### **Development** intent

The development of building sites and associated works shall contribute to establishing a clear hierarchy of roads and paths, to create logical, legible and safe visitor and staff movement patterns.

Development proposals shall establish on-site parking to replace any existing parking displaced by the new development and is to be consistent with the Site Master Plan drawing. A clear path, signage and lighting system will be crucial to the legibility and effectiveness of the parking.

The impact of car parking is to be minimised through the retention of existing trees and effective use of new vegetation to be included in any scheme. 覆

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The buildings and surrounding public spaces should be accessible to all visitors with an emphasis on removing "barriers to access", allowing for independent and dignified access for people with disabilities. Access by means other than private motor vehicle should be encouraged. This may include reinforcing connections to public transport nodes and links to cycle networks.

The proposal should meet or exceed the functional needs of site servicing and emergency access requirements and should consider maximising the use of existing servicing arrangements within new development.

Access to the Administration Building shall be reviewed within the context of the relocated visitor parking off Treloar Crescent. Parking arrangements, vehicular access and pedestrian movement should be the subject of a comprehensive traffic study.

Principles

- 6.1 Traffic
- 6.1.1 In the long term, vehicular access to the site, excluding the ceremonial forecourt access shall be off Treloar Crescent. The organisation of circulation leading to and within the Memorial site must reflect the following principles:
  - To establish the formal base surrounds of the existing building as a coherent continuous pedestrian network.
  - To restrict vehicular access to the immediate surrounds of the existing building to those that must enter for emergency, ceremonial, delivery, maintenance, or other special purpose. (Formal paved areas to be designed to accommodate vehicular loads)
  - To restrict public and staff parking to on-site parking and on Treloar Crescent.
  - To provide some parking for ceremonial purposes within the immediate building surrounds.
  - To restrict Tour Bus parking to designated bus parking areas off Treloar Crescent and establish a coach drop-off and pick-up area in the south east courtyard.
  - To concentrate service/delivery and exhibit collection delivery to areas not associated with major pedestrian routes.

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• To relocate service /delivery access to the Administration Building from its existing location to a route via parking bays off Treloar Crescent.

# 6.2 Parking

- 6.2.1 On-site carpark provision shall be required to replace the pre-development carpark capacity and meet an extra 2 spaces/100sqm GFA new development demand generation.
- 6.2.2 The location of on-site parking shall be consistent with the Site Master Plan and access off Treloar Crescent.
- 6.2.3 On-site parking shall be sealed at a standard agreed by the Authority.
- 6.2.4 Lighting and pathways are to be provided at a standard agreed by the Authority
- 6.2.5 Parking is to be integrated into the landscape setting by either/or incorporating existing tree planting / reinforcing existing street tree planting or replacing existing tree planting with strong boulevard tree planting.

#### 6.3 Paths

- 6.3.1 Independent and dignified access for people with disabilities shall be provided to all facilities on site. Issues such as ground surface texture, path widths, gradients, steps, weight of doors, restrictions on access, signage, clarity of interpretation material, visual and audible material must be considered.
- 6.3.2 Primary pedestrian access for those arriving by private vehicle to the front entrance/(main Memorial entry) shall generally be from the western side of the building. Visitors arriving from the Treloar Crescent on-site parking shall move through the Western Garden via a path system that provides access to and connects the various memorials, sculptures and commemorative plantings located in the garden.
- 6.3.3 Similarly, primary pedestrian access to the front entrance by those arriving by bus, and in school groups will be from Eastern side of the building. A path system connecting the north eastern parking areas through the Eastern Garden shall be developed.

# 7.0 LIGHTING

## Development Intent

Generally, the design of exterior building lighting is to emphasise the sculptural form and the national significance of the AWM buildings and minimise obtrusive effects to the immediate and surrounding environment.

Illumination levels within the AWM site shall be consistent with the National Capital Authority (Draft) Strategic Lighting Plan. The exterior lighting of the Memorial precinct is to contribute to the establishment of an appropriate hierarchy of building and open space illumination, meet Occupational Health and Safety requirements and generally, promote the comfortable and safe use of the site particularly the Gardens.

Relative illumination levels are to be established and include the following: existing Memorial building, Anzac Place and forecourt, Administration Building, new buildings and Treloar Crescent

#### Principles

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- 7.1 Obtrusive impacts on surrounding locations and view vantage points of lighting used throughout the site is to be accounted for. In addition:
  - Buildings shall be minimally illuminated by floodlighting from 1.00am to 6.00am, 15 September to 15 December each year to diminish impact on Bogong moths;
  - Timers are required to be installed on exterior lighting circuits;
  - Exterior flood lights shall be selected and sited so as to minimise spill light particularly to surrounding elevated view vantage points; and
  - Full horizontal cut off lighting fixtures are to be used for carpark, access road and pedestrian path lighting.
- 7.2 Light colour used to illuminate buildings is to be white with a similar colour spectrum to that emitted by Mercury Vapour Lamps.
- 7.3 Fixtures for security lighting, flood feature lighting and security cameras shall be coordinated and concentrated to minimise the negative effects of multiple fixtures in the immediate surrounds of the existing building.

# 8.0 MANAGEMENT MAINTENANCE AND ECOLOGICALLY SUSTAINABLE DEVELOPMENT

#### **Development intent**

The Authority is keen to ensure, when assessing proposed new works, that the site can be effectively and efficiently maintained and managed. A management plan and maintenance manual outlining the underlying objectives and principles for all new works should accompany proposals.

The Authority is also committed to giving due consideration to the principles of Ecologically Sustainable Development (ESD) in all new planning and design projects and in the ongoing maintenance and management of National Assets. The National ESD Strategy defines ecologically sustainable development as "a development that uses, conserves and enhances the community's resources so that the ecological processes, on which life depends, are maintained and the total quality of life now and in the future can be increased".

Specific consideration should be given to the processes and products that contribute to the achievement of an ecologically sustainable system during the planning and preliminary design phase. In doing so the proposal should establish strategic directions for sustainable water use planning, water quality protection, fertiliser and maintenance regimes, energy conservation, life cycle cost efficiency, waste management and the use of environmentally friendly materials.

9.0 SIGNS

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#### Development intent

Provision of external signage must be considered as an integral element of the design of open spaces and new buildings and should contribute to and generally be consistent with existing precinct signage.

#### Principles

- 9.1 Signs are to comply with the provisions of Part 3 : Signs of Appendix H of the National Capital Plan
- 9.2 To be consistent with the colour, format, and detailing of approved external signage of the Memorial.

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