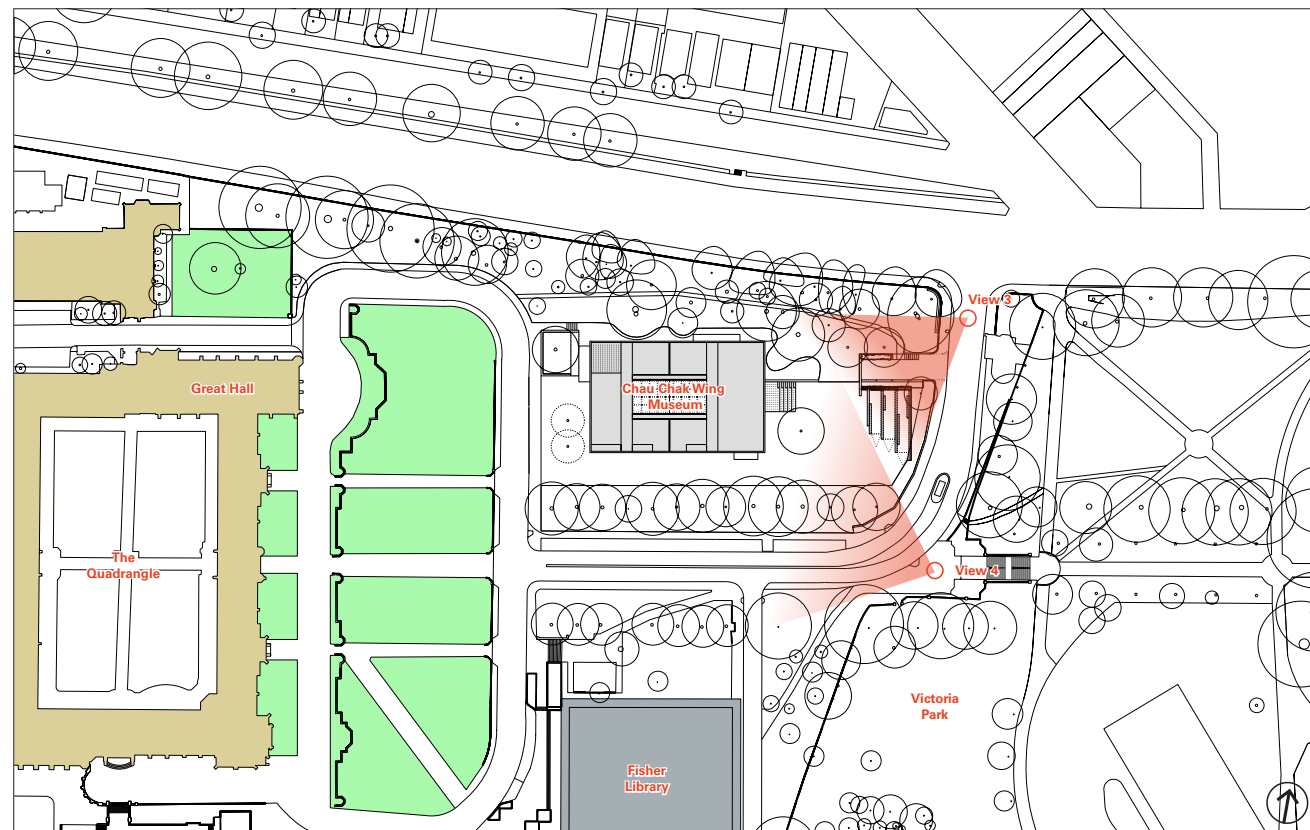


View Comparisons



View Key Plan
NTS



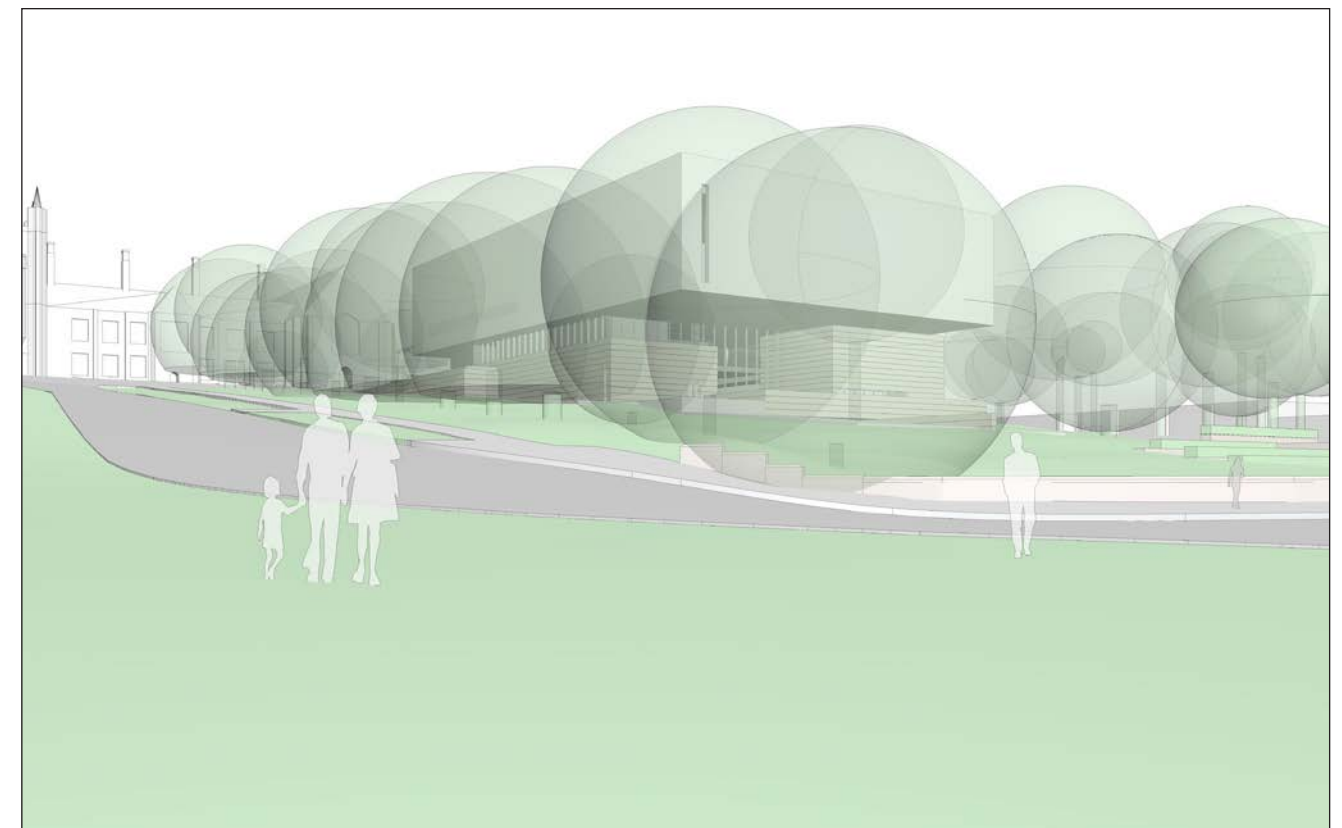
View 3 - Proposed
NTS

View Comparison Summary

The proposed building is set back from the entrance off Parramatta Road, and not visible above the canopies of the trees along University Avenue.

The current proposed siting reinforces the impression of a building set within, and subservient to, the landscape.

Moving the building east and/or south will result in the new building being visible above the existing tree canopies, and dominating the entry experience off Parramatta Road by dwarfing Baxter's Lodge.



View 4 - Current Proposed
NTS

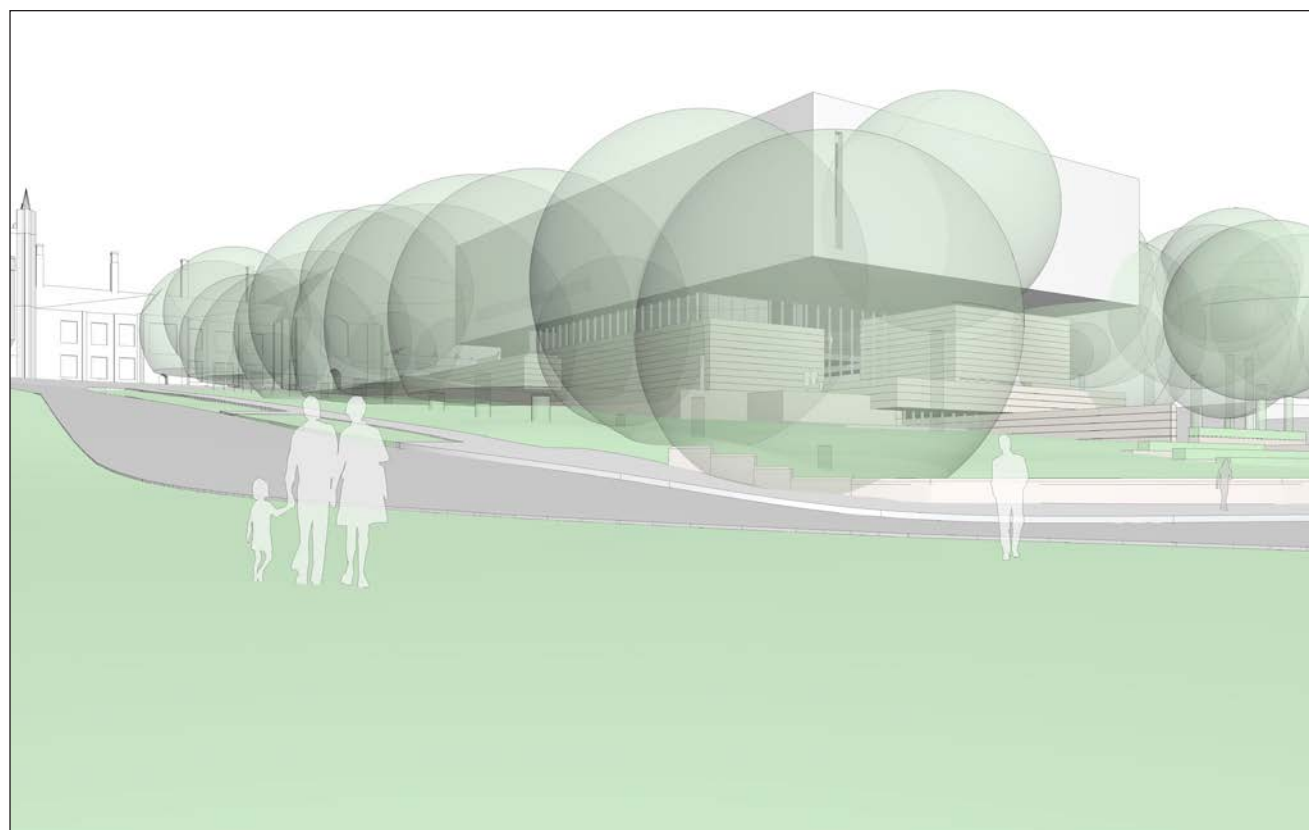
View Comparisons



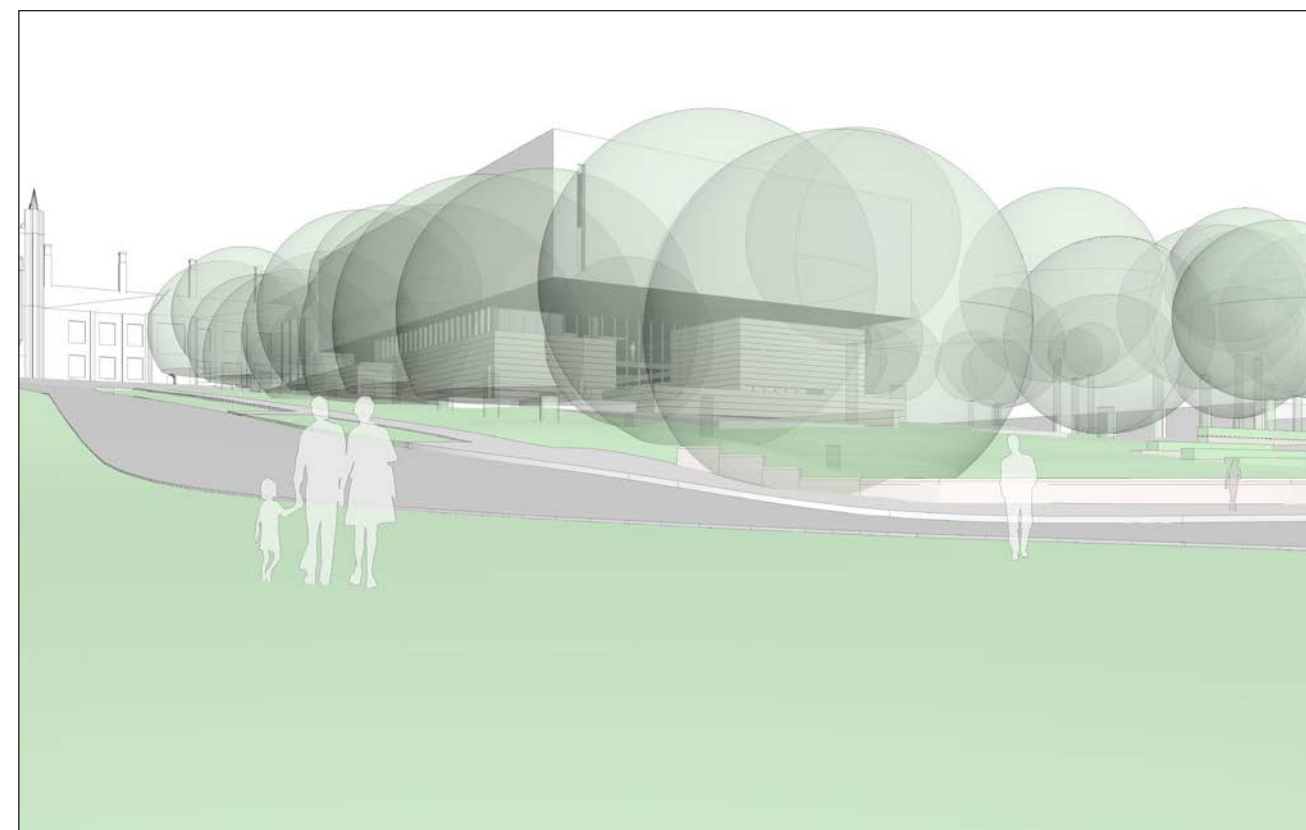
View 3 - Alternative 1 - Building Moved 15m East
NTS



View 3 - Alternative 2 - Building Moved 10m South
NTS



View 4 - Alternative 1 - Building Moved 15m East
NTS



View 4 - Alternative 2 - Building Moved 10m South
NTS

02 Urban Design & Built Form

Considerations informing the Proposal

Relationship to Neighbours

Fisher Library

The parapet line of the Museum was set at RL. 48.350, to relate to the parapet of Fisher Library. This level incorporates detailed advice from equipment suppliers that minimises the clearance heights needed for key mechanical equipment in the roof level plant room.

Original drawings of the Fisher Library indicate that the upper surface of the expressed horizontal blade forming the top of Fisher Library is RL. 48.310.

Great Hall

The entrance to the Museum has been positioned to relate to the axis of the Great Hall.

Floor to Floor Heights

The existing site levels and relationship to the parapet of Fisher Library have directly informed the existing floor heights.

Ground Level

The Ground Level has been set to provide an accessible pathway from Fisher Library and Eastern Avenue.

The floor - ceiling height is 3m, which is considered the minimum for such a facility.

Upper Level

Several key spaces are located within the upper level.

Staff offices have a floor - ceiling height of 2.5m, which is 200mm lower than conventional office space.

The major gallery space at the upper level has a floor - ceiling height of 7.5m. This is critical for the display of large contemporary artworks and for the Museum to attract and present major national and international touring exhibitions.

Plant rooms are located above all spaces at this level except the major gallery space.

Integration of Plant & Equipment

The design has been developed to ensure that plant and equipment is not visible on the roof from The Quadrangle - there are no projections beyond the parapet line.

Potential Relocation of Plant from Upper Level

There are limited opportunities to relocate plant and equipment from the Upper Level to other parts of the building without a range of consequences, including reduced usable area for core museum functions, impacts on character and amenity of landscape, increased cost and operational risks.

Landscape

Significant Trees

The building has been carefully positioned to avoid significant trees around the existing tennis courts.

Existing Levels & Topography

The floor levels of the building have been developed to respond to the surrounding topography.

Landscape Character

The building mass above ground level has been minimised by carefully positioning the building within the existing trees and so that the extent of open lawn around the building is maintained.

Loading Dock Access

Museum operations require access for specialist delivery vehicles, including articulated and specialist art transport hi-bay trucks.

The minimum clearance for these vehicles is 4.5m.

The loading dock is located directly adjacent to a range of specialist facilities related to the movement of artefacts in and out of the building.

The ramp access into the basement has a gradient maximum of 1:8, with 1:12 and 1:20 transitions.

This is the maximum possible gradient for the vehicle access ramp.

Summary

The proposed design for the Chau Chak Wing Museum balances a range of considerations to ensure that the building is integrated with the surroundings, makes a positive contribution to the character and significance of this part of the Campus, and is a building that is efficient and safe to operate.

It is not feasible to reduce the floor levels proposed.

It is not feasible to relocate plant elsewhere in the building or landscape as this poses considerable operational constraints.

Siting Options Implications Summary

OPTION	SITING IMPLICATIONS			SUMMARY
	Urban Design & Landscape	Functional Flexibility & Operational Efficiency	Display Spaces	
Current Proposal	Building is placed within landscape setting, whilst reinforcing definition of University Place Existing key vistas are maintained Minimises impacts to existing significant trees	Design delivers required environmental control to all key spaces without plant and equipment visible at roof level	Provides flexible series of display spaces, including major new temporary exhibition space	Proposed Design
Lower Building	Diminishes “gateway” form from University Avenue approach and Victoria Park Vista Compromises relationship to Fisher Library and definition of eastern side of University Place Additional steps and ramping at entrance, complicating accessibility	Integration of plant and equipment to achieve required environmental controls difficult Roof plant height already minimised - lowering enclosure would mean plant and equipment would be visible from University Place, Great Hall and The Quadrangle Ground Level (3m floor - ceiling) and Upper Level staff spaces (2.7m) are already minimised	Spaces less flexible, with restrictions of presentation of some of the University’s large collection items Reducing height of temporary exhibition space would significantly restrict functionality and limit capability to attract and present major touring exhibitions	Not viable
Move Building East	Diminishes “gateway” form from University Avenue approach and Victoria Park Vista Compromises relationship to Fisher Library and definition of eastern side of University Place Significantly increases visual bulk of building from Parramatta Road entrance to University Avenue Not possible unless building footprint above and below ground is substantially modified as existing significant trees retained by the current proposal would be impacted if building moves eastwards - this would result in area loss and impact on key vistas defined and protected by current proposed design Cafe terrace not connected to existing topography Increased forecourt size More building above ground level	Ramp entry point would move closer to University Avenue and Baxter’s Lodge, restricting general views across the ground plane from Campus entry and Baxter’s Lodge Turning area and dock would be reduced in scale, significantly impacting functionality of spaces	No significant impacts	Not viable
Move Building South	Obstructs secondary vista from University Avenue to Great Hall Diminishes legibility of row of existing trees along University Avenue Likely to diminish long term health of existing trees along University Avenue	Relocates entrance to basement further away from Campus entry off Parramatta Road	No significant impacts	Significant detrimental urban design outcomes and risks to existing landscape
Move Building East and South	Multiple significant detrimental or undesirable outcomes - refer above	Multiple significant detrimental or undesirable outcomes - refer above	No significant impacts	Not viable

03 Design Principles

Welcoming Entrance

The Chau Chak Wing Museum will be an active part of the Campus welcoming both students and visitors.

The arrival sequence is an important part of any experience, and creates a transition between the large, open civic scaled spaces of University Place and Eastern Avenue, and the more intimate, human scaled spaces within and around the building.

The forecourt provides suitable spaces for groups to gather, with views to The Quadrangle and the Great Hall.

From the forecourt views through to the landscape beyond are possible.

The concrete box forming the uppermost levels provides a sheltered space adjacent to the entrance.

Forecourt pavement finishes run into the entrance space and are framed by large sandstone coloured precast concrete panels which define the character of the ground plane as it steps down the site towards Victoria Park.



Entry Court

Simple, Legible Circulation

Other than the lowest level, which contains the loading dock, collection storage and other BOH spaces, all floors of the building are publicly accessible.

The circulation system is simple and easy for visitors to understand and use. Open stairs within a skylit central atrium link all levels, and are visible upon entry.

These elements provide a reference point at each level, with display and other spaces set out around them.

Large glazed openings to the east are protected by the “floating” concrete element above, and enjoy views to the cafe terrace and landscape beyond.

A large dedicated lift for the movement of collections is paired with a passenger lift, and a separate goods lift serving the cafe provides easy movement of goods in and out as well as waste removal direct to the loading dock.



Ground Level entrance & atrium