Engineering Design & M Assurance Technical Partner sydney METRO

Sydney Metro West

Sydney Olympic Park

Associated Development Appendix D Site Specific Design Guidelines



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FUNCTION	POSITION	NAME	DATE
Author	Team Leader	Alen Spahic Vincent Kong	AS VK
Technical Checker	Project Leader	Anthony Chow	AC
Technical Reviewer	Principal in Charge	John Prentice	JP
Coordinator	Senior Project Manager	Luke Carver	LC
Approver	EDS Design Director SMW	Adrian Garnero	AG

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Introduction

Purpose of the document 1.1

The purpose of this document is to guide the design of the Sydney Olympic Park metro station precinct (within the Concept SSD site boundary) and provide a reference document for the assessment of design outcomes. The design parameters include built form, heritage, integration with the public domain and Sydney Metro station, movement and connectivity and legacy outcomes of the development. These have been prepared with reference to:

- GANSW Better Placed
- GANSW Implementing Good Design
- GANSW Evaluating Good Design ٠
- GANSW Greener Places
- GANSW Greener Places Design Guide ٠
- GANSW Design Guide for Heritage
- GANSW Connecting with Country framework
- NSW Local Character and Place Guideline

Together with the Sydney Metro West Station and Precinct Design Guidelines, these Site-specific Design Guidelines provide a consistent framework for design across the integrated station development and should be considered in conjunction with the Sydney Metro West Design Excellence Strategy (see Figure 1).

Section 3 specifies objectives and guidelines. If, through design development and evolution there is variance from the guidelines, the intent is the objectives would still be achieved.

Integrated Station Development Site-Specific Design Guidelines

> **Design Excellence** Strategy

Figure 1: Sydney Metro West design excellence framework

Sydney Metro West

Station and Precinct **Design Guidelines**

Sydney Metro West

1.2 Sydney Metro design objectives

The design outcomes for the Sydney Olympic Park metro station precinct are underpinned by the design objectives for all Sydney Metro projects.

Designs for the station, over station and adjacent station developments must deliver on the following.

Design Objective

Ensuring an easy customer experience.	Sydney Metro places the customer first. Stations are welcoming and intuitive with simple, uncluttered spaces that ensure a comfortable, enjoyable and safe experience for a diverse range of customers.
Being part of a fully integrated transport system.	Sydney Metro is a transit-oriented project that prioritises clear and legible connections with other public and active transport modes within the wider metropolitan travel network that intersect with this new spine.
Being a catalyst for positive change.	Sydney Metro is a landmark opportunity to regenerate and invigorate the city with new stations and associated development that engage with their precincts, raise the urban quality and enhance the overall experience of the city.
Being responsive to distinct contexts and communities.	Sydney Metro's identity is stronger for the unique conditions of centres and communities through which it passes. This local character is to be embraced through internationally benchmarked high quality station architecture and public domain that is well integrated with the valuable inherited urban fabric of existing places.
Delivering an enduring and sustainable legacy for Sydney	Sydney Metro is a positive legacy for future generations. A high standard of design across the corridor, stations and station precincts, that sets a new benchmark, is vital to ensuring the longevity of the Metro system, its enduring contribution to civic life and an ability to adapt to a changing city over time.

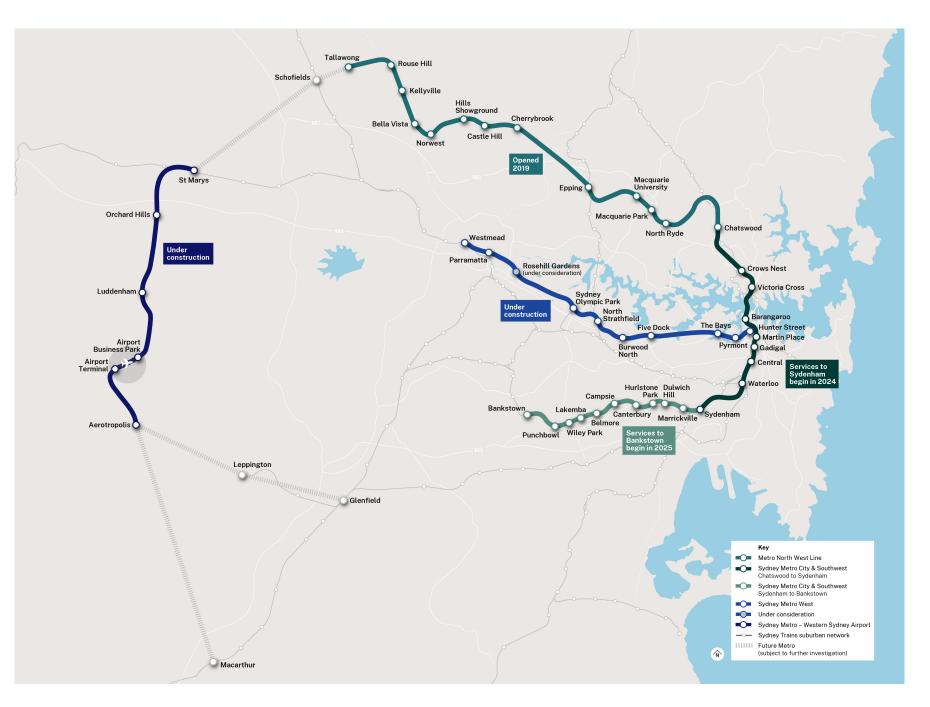


Figure 2: Sydney Metro network

1.3 Sydney Metro West Design Guidelines

The Sydney Metro West Station and Precinct Design Guidelines form part of the EIS for the Sydney Metro West Stage 3 Critical State Significant Infrastructure (CSSI) application and establish design standards to guide the interface outcomes between stations and their surrounding locality.

The design guidelines make reference to precinct wide design elements such as heritage, environment and sustainability.

The Station and Precinct design guidelines provide the following key design drivers and urban design strategies for the Sydney Olympic Park station precinct. As a component of the Stage 3 CSSI application, these drivers and strategies are to inform the design response for the Sydney Olympic Park site.

Place and design principles

- Support the creation of a new town centre and reinforce Sydney Olympic Park as a premier destination for major events in line with the principles outlined in the Sydney Olympic Park Master Plan 2030 (Interim Metro Review).
- Deliver a station and public domain designed to support day to day activities and flexibility to accommodate major events and periodic large crowds.
- Facilitate east-west access from Olympic Boulevard to the station and town centre to accommodate event crowds.
- Enhance permeability with new pedestrian links and connections to places within the wider station precinct supported by active street frontages, and new open spaces.
- Ensure the station provides easy, safe and intuitive interchange with other modes of transport, during day to day operation and events.

Urban Design Strategies (F	Preci	inct wide) - Summary
Land Use and Function	•	Support an intense mixed use precinct residential, education, community uses,
	•	Support a diverse range of businesses of time economy and activate the public d
	•	Maximise active frontages along street support a vibrant town centre.
	•	Encourage multiple tenancies with high Urban Park and through site links.
	•	Allow for fine grain retail uses along the
Places and Spaces	•	Provide generous soft landscaping, tree sense of arrival.
	•	Provide a direct and safe publicly access Promenade, from Figtree Drive to Herk connection through the town centre co metro station, station plaza, Central Uk Olympic Park precinct.
	•	Maintain extended views along the leng orientation.
	•	Ensure the through site link is fully acce level and lined with active uses.
	•	Consider podium and tower heights, res character.
	•	Articulate building podiums as separate entries, access ways or cut-outs to bree appropriate.
Access and Connectivity	•	Provide the site layout and hierarchy of laneways and links to form the new tow
	•	Design all new streets to accommodate speed.
	•	Ensure public spaces are accessible to a
	•	Provide fully accessible pedestrian conr

with retail, commercial offices, hospitality, s, and entertainment and live music venues. and uses to create a vibrant day and nightdomain. ets and laneways with retail and dining to h activity and seating overlooking Central he new through site links. ee planting, areas with seating and create a ssible pedestrian link, Central Spine b Elliot Avenue to create a direct pedestrian onnecting the bus interchange with the Jrban Park and onwards to the wider Sydney gth of the link to support wayfinding and cessible to all, open 24 hours a day at ground esponding to local context and future desired te elements from towers above and use eak the overall length of podiums, where of connected public open spaces, streets, wn centre precinct structure. te low volumes of vehicles moving at a lower all, safe and open 24 hours a day. nections to the bus interchange.



Site overview

2.1 Location

The site is located between the Parramatta CBD and Central Sydney CBD, approximately 13km to the west of Sydney CBD and 11km to the east of Parramatta CBD.

Nearby strategic centres include Burwood and Rhodes and town centres at Auburn and Strathfield. Parramatta is the nearest metropolitan centre containing major infrastructure, commercial and residential development while Strathfield and Burwood are rapidly growing centres also in the vicinity of the site.

The development site is located within Sydney Olympic Park and is situated within the City of Parramatta Local Government Area (LGA). The site is in the Central Precinct of Sydney Olympic Park and based on Site 47 in the SOPA Master Plan 2030 (Interim Metro Review).

Sydney Olypmic Park
Central Precinct
Metro Site Boundary
Concept SSD Site





2.2 Existing and future public transport

The proposed Sydney Olympic Park metro station is located south of the existing Sydney Trains station in the heart of the growing Sydney Olympic Park Central Precinct. The station is located to the east of Olympic Boulevard between Herb Elliott Avenue and Figtree Drive. The station is required to operate efficiently to provide large scale-spaces for crowd marshalling during major events of over 25,000 people as well as creating a human-scaled experience for day-to-day users.

During day-to-day use, Dawn Fraser Avenue and Herb Elliot Avenue are the existing main pedestrian streets of the locality. SOPA's planned renewal of the Central Precinct will create new pedestrian priority streets with a finer grain street network and convert these existing streets to vehicular transport routes. A new street parallel and to the south of Herb Elliot Avenue will become the primary east-west pedestrian spine of the Central Precinct in the future. Olympic Boulevard is the major north-south pedestrian spine primarily used during events.

A future bus interchange, adjacent to the development site on Figtree Drive, is proposed to connect the future Metro station with the wider precinct and the Sydney Region.

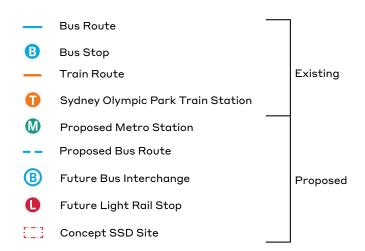


Figure 4: Existing and future public transport

To Parramatta

To Lidcombe Station

B

DAWN FRASER AVE.

HERB ELLIOT AVE.

B

To Lidcombe Station



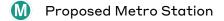
2.3 Pedestrian movement and cycling routes

Existing pedestrian movement is mostly along Olympic Boulevard, Dawn Fraser Avenue and Australia Avenue. Additionally, Sydney Olympic Park has been widely known as a cycling centre given its vast cycling routes and great connections.

Future amendments to the SOP Master Plan 2030 (Interim Metro Review) will further develop pedestrian movement, making it a priority in the Central Precinct, and build upon cycling legacy by further extending the existing cycling network.



Metro Station Entry





- Existing Bicycle Route
- Proposed Walking Route
 - Future Central Pedestrian Area
- Concept SSD Site





Figure 5: Pedestrian movement and cycling routes

2.4 Precinct Vision

The construction of Sydney Metro West represents an exciting opportunity to incorporate global best practice for place-making and environmentally sustainable development, and to apply innovative thinking to create new city icons. The delivery of integrated station and precinct development enables Sydney Metro to be more than just a transport project, but also a defining city building opportunity that revitalises precincts and communities, helping to leave a lasting legacy and shaping Sydney for generations to come. The proposed development will create a great place-based outcome that successfully integrates transport infrastructure, open space, ground plane retail, commercial and residential land uses.

The Sydney Olympic Park metro station will link new communities, support employment growth and diversity of housing supply.

The Sydney Olympic Park metro station precinct acknowledges growth opportunities within Sydney Olympic Park and seeks to establish parameters to attract more businesses and residents in a wellconnected location reducing reliance on private transport modes whilst continuing to ensure Sydney Olympic Park can operate and function as a world class event and sporting precinct.





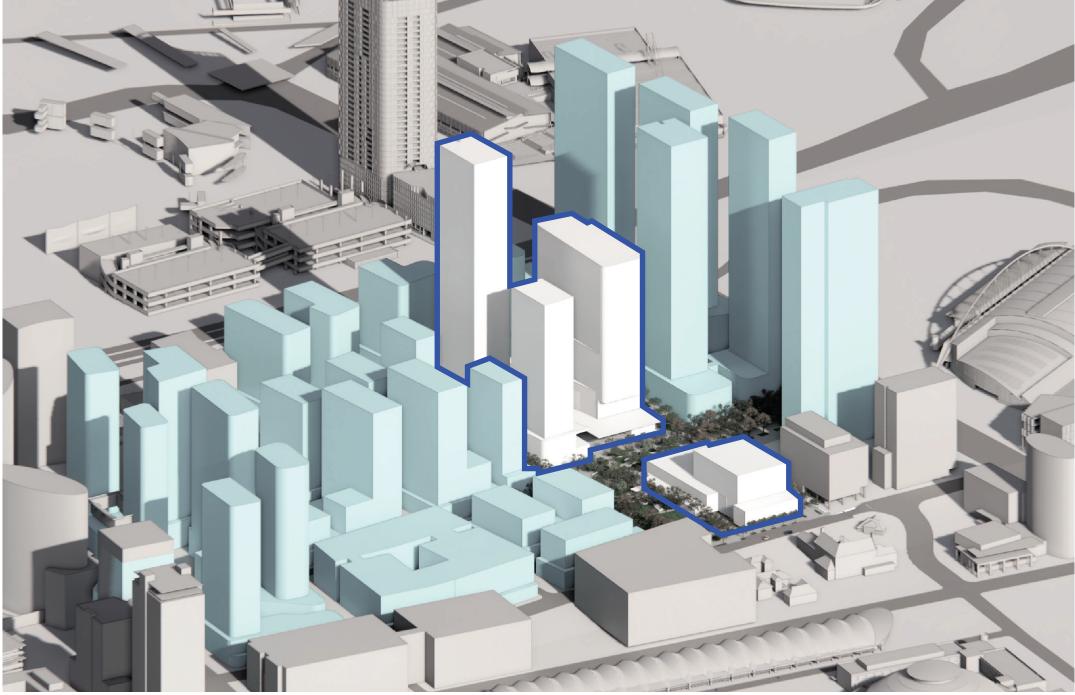


Figure 6: Aerial View - Sydney Olympic Park (Indicative only and subject to further design development)

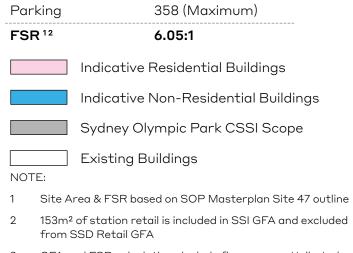
2.5 Overview of the proposal

The proposed integrated development on the subject site comprises of three buildings with their podiums. Building 1 podium is formed by station entries and station services buildings, which are part of CSSI scope

Building 1 is a 16 storey (21 with podium levels) envelope located directly above the station services building.

Buildings 2 and 3 are residential buildings with 4 storeys podiums. Building 2 envelope is set to 27 Storeys while Building 3 is maximised to achieve 45 Storeys.

Total GFA	68,960 m ²
CSSI GFA ^{2 3}	884 m²
Commercial GFA	33,537 m²
Retail GFA	1,389 m ²
Residential GFA	33,150 m²
Site 47 Area ¹	11,407 m ²



GFA and FSR calculations include floor space attributed 3 to the station are subject to the separate planning approval under CSSI Stage 3 and may be subject to change.



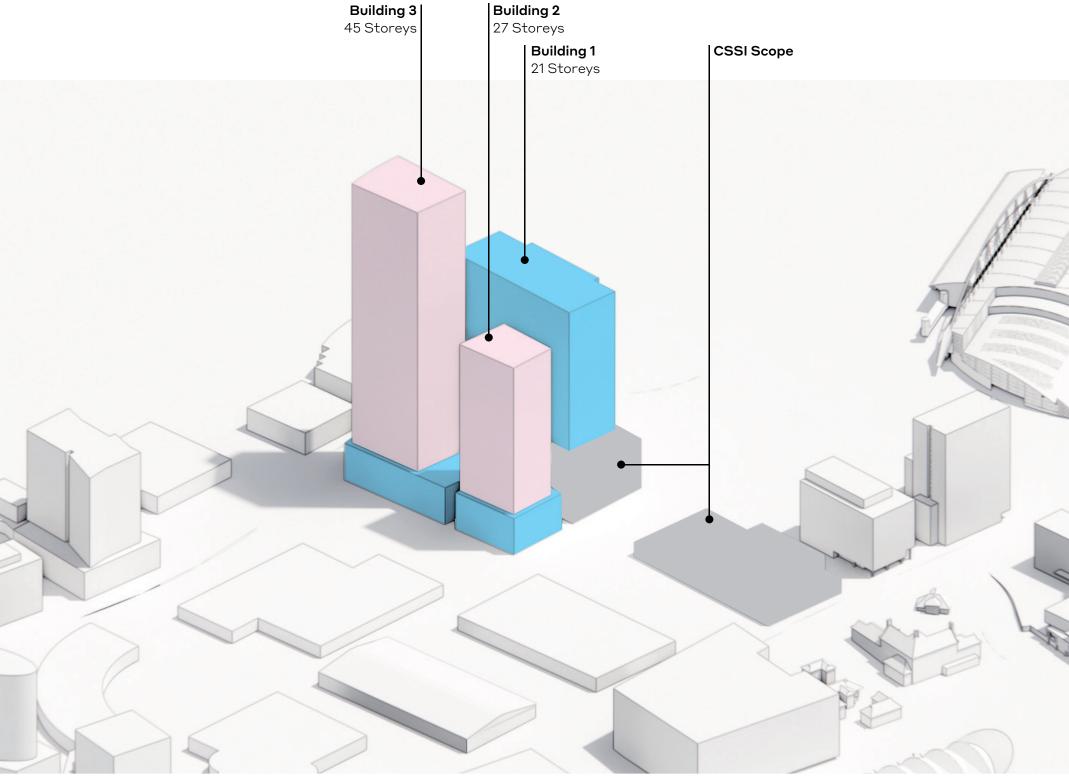


Figure 7: 3D Axonometric overview of proposal NOTE: The Concept SSDA includes OSD areas inside the Building 1 CSSI "shell" for non-station uses at podium and below ground levels.



Design guidelines

3.1 Land use and function

Objectives:

- 1. Identify uses that support and contribute to the delivery of a unique, attractive and vibrant mixed use centre to provide a sense of connection and identity for local communities and visitors.
- 2. Activate the public domain of station precincts to integrate stations and supporting infrastructure with existing and desired future urban settings.
- 3. Create a diverse residential offering to cater for various demographics, people with different needs leading to diverse community, including a wide range of residential amenities and open spaces catering to an active and engaged community.
- 4. Provide a multi-functional, fine-grain commercial offering within the building podium catering for needs of the future community.
- 5. Maximise active frontages along streets and laneways with retail, dining and community activities to support a vibrant town centre.

Building uses

Guidance:

- 1. Development is to accommodate a diverse mix of uses demonstrated in figure 8, delivering an active precinct and engaged community.
- 2. Ensure the size of development creates a human scale environment building upon existing and desired future character.
- 3. Uses that activate ground plane (retail, food and beverage) to be located at ground level resulting in active external and internal frontages.
- 4. Create activated public domain around the development by strategically located active uses in podium levels.
- 5. Commercial buildings are to be designed to achieve PCA Grade-A rating, offering contiguous and efficient commercial floor-plates.





Active uses

Guidance:

- 1. Uses are to be strategically located to support public domain activation during the day, evening, and night.
- 2. Diversified uses to provide 24 hours passive surveillance to all public domain areas as well as buildings and station entries.
- 3. Provide a range of open space offerings from public to semi-private and private settings supporting activation during workdays and weekends, and during the day, evening and night.
- 4. Incorporate noise mitigation measures where necessary to manage potential noise impacts on residential buildings resulting from activities in the podium levels.
- 5. Built form to be broken down creating a human-scaled environment.
- 6. Provide sufficient activation on the promenade and lane-ways at ground level.
- 7. Podiums to be connected to the promenade and through site link allowing for vertical activation, direct solar access to the ground plane, as well as 24 hour passive surveillance.

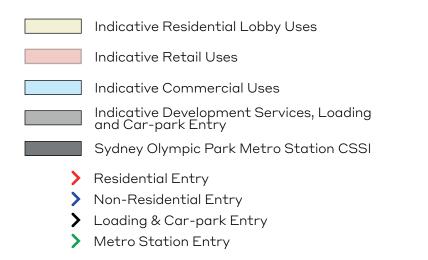






Figure 9: Active Uses

3.2 Places and spaces

Objectives:

- 1. Ensure the scale of development reflects existing and desired future character of Sydney Olympic Park.
- 2. Reflect and build on opportunities which recognise Connecting with Country and responds to heritage context.
- 3. Create a safe and legible hierarchy of public spaces such as parks, plazas and pedestrian links for active and passive recreation.

Podium and street wall

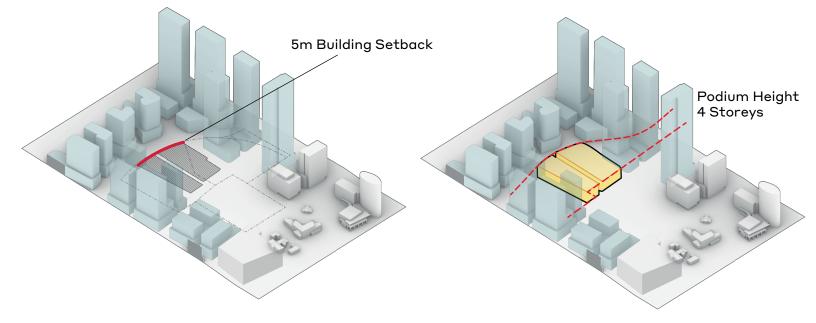
Guidance:

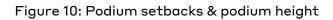
- 1. Podium form and articulation should aim to re-establish architectural order within the immediate precinct, demonstrating heritage and contextual sensitivity, with scale and massing that relates well at the human scale.
- 2. The built form should follow podium setback and height requirements proposed by SOP Masterplan 2030 (Interim Metro Review) also demonstrated in Figures 10 and 11.
- 3. Provide a minimum 5m clearance from the kerb line at bus interchange on Figtree Drive to allow sufficient area for pedestrian movement (subject to further design coordination).
- 4. The built form should be broken down to create a human environment reflecting the scale of heritage Abattoir precinct.
- 5. Podiums to be designed to allow for direct sunlight access and passive surveillance to public open spaces. As part of the Detailed SSDAs, an awning strategy and design is to be prepared which responds to the detailed façade design and arrangement of uses of the podiums.
- 6. The southern station building is to be used as the podium for commercial development as well as station services. The heights and scale of the station building are part of separate CSSI approvals. Coordination between the commercial and the station building is essential in achieving a good urban outcome.

Ground floor public / private interface

Guidance:

- 1. Interface between public / private space on ground floor, refer to the following documents for guidance.
 - a. SOP Master Plan 2030 Interim Metro Review Appendix E
 - b. CSSI Stage 3 Submission Report Appendix M: Sydney Metro West Station and Precinct Design Guidelines (Section 4.1 & 5.3)
- 2. Southern end of the promenade should be widened beyond the 7m minimum laneway width to provide an arrival point and clear access to the station from Figtree Drive as shown indicatively in Figure 11.





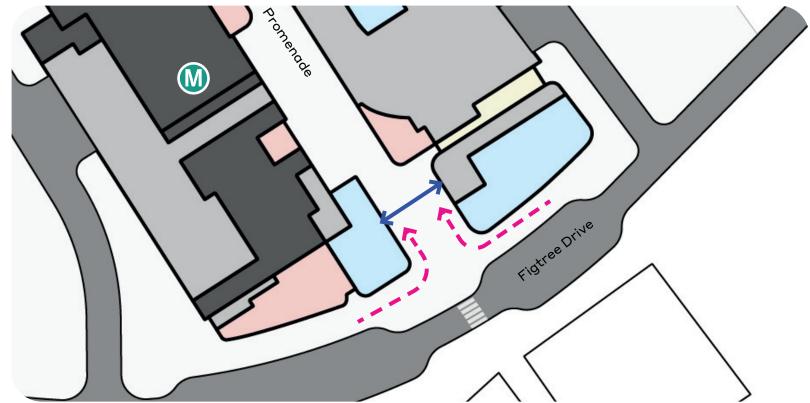


Figure 11: Promenade entry on Figtree Drive



Towers

Guidance:

- 1. Provide exceptional and distinctive tower designs that respond to the evolving height, scale and character of the area.
- 2. Building setbacks are to follow minimum requirements set in Figure 12.
- 3. Maximum building heights are (refer to Figure 13):
 - a. Building 1 21 levels (RL 122.00)
 - b. Building 2 27 levels (RL 118.00)
 - c. Building 3 45 levels (RL 171.00)
 - * Floor to floor height assumptions are larger for the commercial use of Building 1
- 4. Along Olympic Boulevard, buildings are to follow SOP Masterplan 2030 (Interim Metro Review) intention to create a high-rise corridor with gradually increasing building heights.
- 5. Commercial building façades are to be coordinated with the station design to achieve a good urban outcome.
- 6. Adequate building separation consistent with the requirements of SEPP65 and the Apartment Design Guide, plus with regard to the SOP Masterplan 2030 (Interim Metro Review) in terms of solar access, visual privacy and outlook.
- 7. Further wind impact assessment is to be conducted to reach necessary public domain comfort levels. Comfort levels are determined by uses at the ground level. Mitigation measures (if required) may include items and features such additional awnings, balconies, indents and setbacks in building façades, landscaping.
- 8. Reflecting the scale of the Heritage Abattoir precinct and creating a human-scale environment are set as the main design principles of the new development. Building heights transition from low height development along Herb Elliot and around the town centre to higher towers along Olympic Boulevard and Figtree Drive creating a congruous skyline.

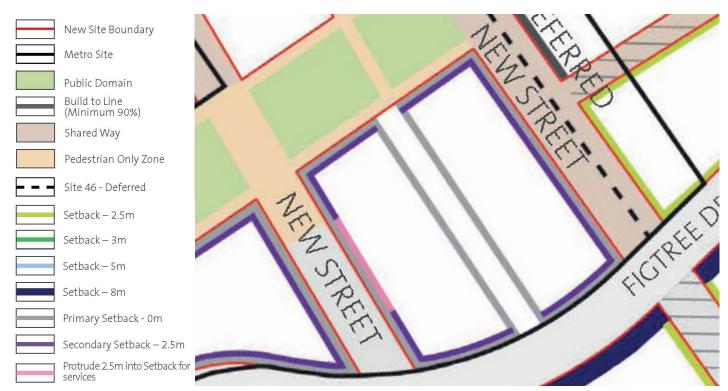


Figure 12: Tower setbacks (Extract from SOP Masterplan 2030 (Interim Metro Review) Figure 5.9)

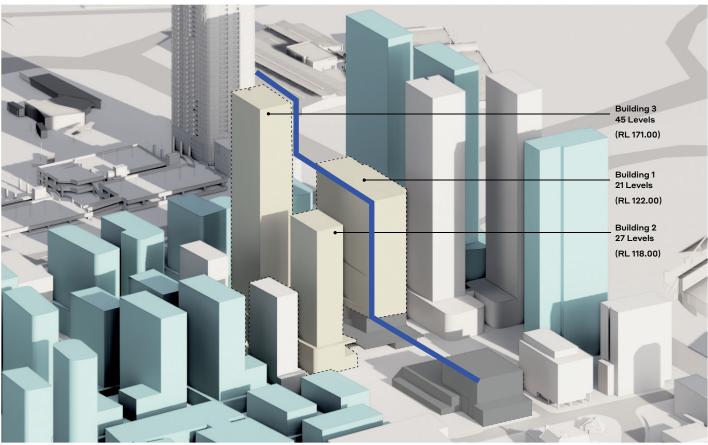
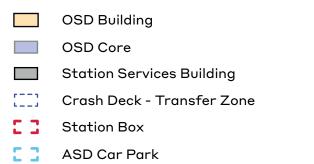


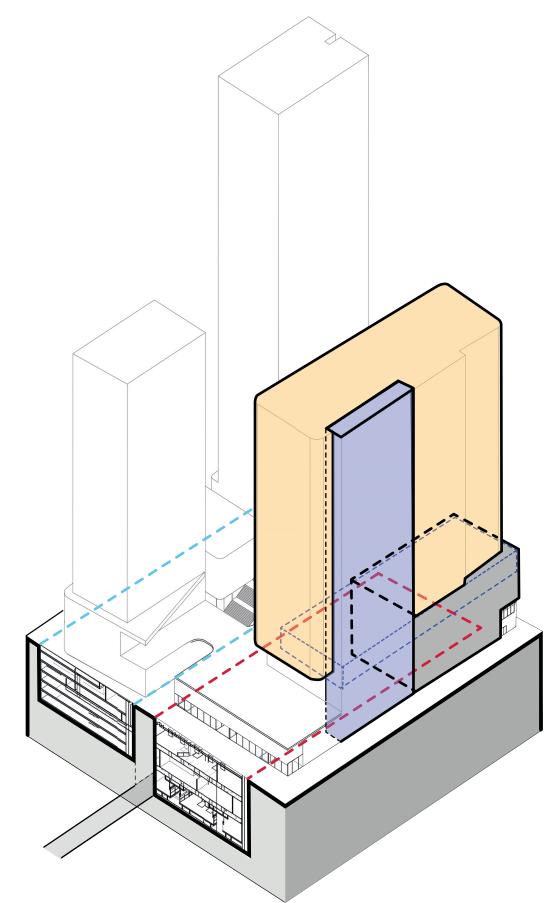
Figure 13: Tower height axonometric (Indicative and subject to detailed design development)

Station interface

Guidance:

- 1. The station building is to be used as a podium for the commercial development located above. The Concept SSDA includes OSD areas inside the Building 1 CSSI 'shell' for non-station uses at podium and below ground levels.
- 2. The use of roof top areas above the station as a semi-public/private open area is encouraged, for example to provide a forecourt for commercial buildings or additional open co-working / activity area.
- 3. Commercial lobby entries are to be coordinated with the station entries, bus interchange and with regard to ease of pedestrian movement between Figtree Drive and the promenade. A high degree of permeability of the Building 1 ground floor southern façade (indicatively commercial use and OSD lobby) is encouraged where close to bus stops to facilitate pedestrian movement into the building to facilitate movement for pedestrians along Figtree Drive through to the promenade.
- 4. Commercial façade, structures, and services are to be coordinated with station design. To achieve a good urban outcome, maximising activation on all façades including inactive sections of the Building 1 façades facing Precinct Street B.
- 5. The transfer structure is to be integrated with the top level of station services building to minimise the podium as far as possible.
- 6. Development and station services to be coordinated allowing for sufficient separation distances to avoid cross-contamination of air intake and exhaust systems.





development)

Figure 14: Station interface (Indicative and subject to detailed design

Materials and finishes

Guidance:

- 1. Façade materials, colour, tone, and texture should demonstrate a historically strong connection to the nature, wetlands, and parklands of the Sydney Olympic Park area. Therefore, the use of natural materials such as brick, shale, or timber is encouraged.
- 2. Plants and other green roof elements on podium façades are encouraged, building upon a strong connection to nature in the precinct.
- 3. The use of recycled materials, are encouraged to achieve proposed sustainability targets and reflect Connecting with Country principles.
- 4. Materials selection should contribute to sustainability targets, reducing carbon footprint and resulting in highperforming buildings.
- 5. Integration of PV panels is encouraged to achieve sustainability targets.
- 6. At ground levels, strategically located landscaping elements and the use of resistant materials are encouraged to deter vandalism and graffiti.

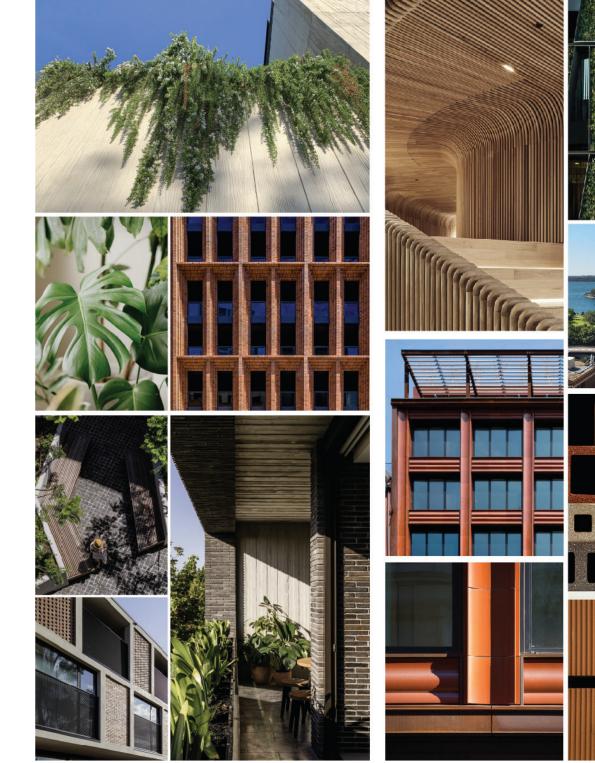


Figure 15: Materials and finishes



NOTE: Materials shown are indicative only, subject to detailed SSDA

Landscape interface

The majority of public domain will be delivered through the CSSI scope of works, rather than the SSD works. The only component of public domain within the scope of the Concept SSDA is Precinct Street A.

Objectives for the landscape interface are as follows:

- 1. Provide a landscaping design that is suitable to the climatic conditions of the area, provides appropriate shade, habitat and biodiversity, minimises impervious surfaces and maximises the water quality of receiving waterways.
- 2. Landscape is considered essential part of the design in achieving good design outcome, connecting to Country and achieving sustainability targets.
- 3. Sufficient tree canopy area as per SOP masterplan guideline to be provided to assist in the urban heat island effect and ensure appropriate comfort levels throughout development, whilst not impacting safety and passive surveillance in the promenade and on elevated public areas.
- 4. Integration of landscaping elements in all residential facades is encouraged, providing shading to the apartments, achieving sustainability targets, and Connecting with Country principles.

Guidance:

- 1. Public domain elements such as lighting, street furniture and paving, refer to:
 - a. SOP Master Plan 2030 Interim Metro Review Appendix E (Section 1.3)
 - b. CSSI Stage 3 Submission Report Appendix M: Sydney Metro West - Station and Precinct Design Guidelines (Section 4.1 & 5.3)



Figure 16: Landscape Extents (Indicative and subject to detailed design development)

Ground Floor Plan

3.3 Access and connectivity

Objectives:

- 1. Prioritise walking and other modes of active transport in the design of stations, interchanges and associated developments.
- 2. Integrate walkable urban environments with the Green Grid to contribute to safe, permeable and well-connected station precincts.
- 3. Manage the design of streets in accordance with Movement and Place principles.
- 4. Enable easy connections with other transport services.
- 5. Provide culturally safe spaces and connections.

Pedestrian and cycle movement

Guidance:

- 1. Prioritise pedestrian movement across the metro precinct. Precinct Street A is to be designed as a shared way with vehicle traffic limited only to access to the development basement car park.
- 2. Prioritise pedestrian movement patterns in the precinct, access to station entries, and access requirements to commercial development, to determine the exact location of the proposed laneway between Buildings 2 and 3.
- 3. Integrate movement and access routes for cycles; ensuring safe management of movement to minimise risk of conflict with vehicles. Provide clear wayfinding and safe access options to cycle parking provision serving the different uses.
- 4. Include active uses at ground level to encourage pedestrian uses of shared ways, laneways, and the promenade, providing sufficient levels of passive surveillance.
- 5. Basement car park entries to be strategically located to reduce vehicle movement through Precinct Street A, prioritising pedestrian movement in the precinct, minimising collision potential and disruption to active uses at ground level.
- 6. Enable easy connection between different traffic services (Bus interchange and Metro station). Minimum 5m footpath width for Figtree Drive adjacent to Building 1 and 3, refer also to Figure 10.
- 7. Manage integration between station services and commercial services at ground level, e.g. vehicles reversing in loading bays at Precinct Street B. Special care is to be taken in achieving landscape design that discourages pedestrians to use the Station side of Precinct Street B to avoid potential safety concerns with reversing vehicles.
- 8. Provide intuitive wayfinding to the commercial and residential entries with convenient walking connections to the main transport points.
- 9. Residential entries to be separated from Metro entries to achieve required levels of privacy and ensure sufficient pedestrian flows, achieving intuitive wayfinding and providing the address for residential developments.





Figure 17: Pedestrian Movement (Indicative and subject to detailed design development)

Parking, servicing and loading

Guidance:

- 1. Basement car-park entries to be located to reduce vehicle movement through Precinct Street A, prioritising pedestrian movement in the precinct, minimising collision potential and disruption to active uses at ground level.
- 2. All car park spaces are provided in the basement to Buildings 2 and 3. A secured and seamless, equal access connection between the development over the station and adjacent development is to be provided, through different means of vertical transport.
- 3. Services at ground level should be minimised as far as practical to optimise opportunities for ground level activation.
- 4. Car park levels below Level B1 are to cater for commercial, retail and residential uses including storage spaces for building occupants. Carsharing and delivery service spaces are to be included in typical parking levels. EV provisions are to be included in line with sustainability targets.
- 5. Parking, loading and servicing design is to include measures to minimise risk of vehicle conflict with pedestrians and cyclists moving past and/or entering the buildings

Service Vehicles **Residential Parking** Commercial Parking Station Bike Parking OSD & ASD Bike Parking Access

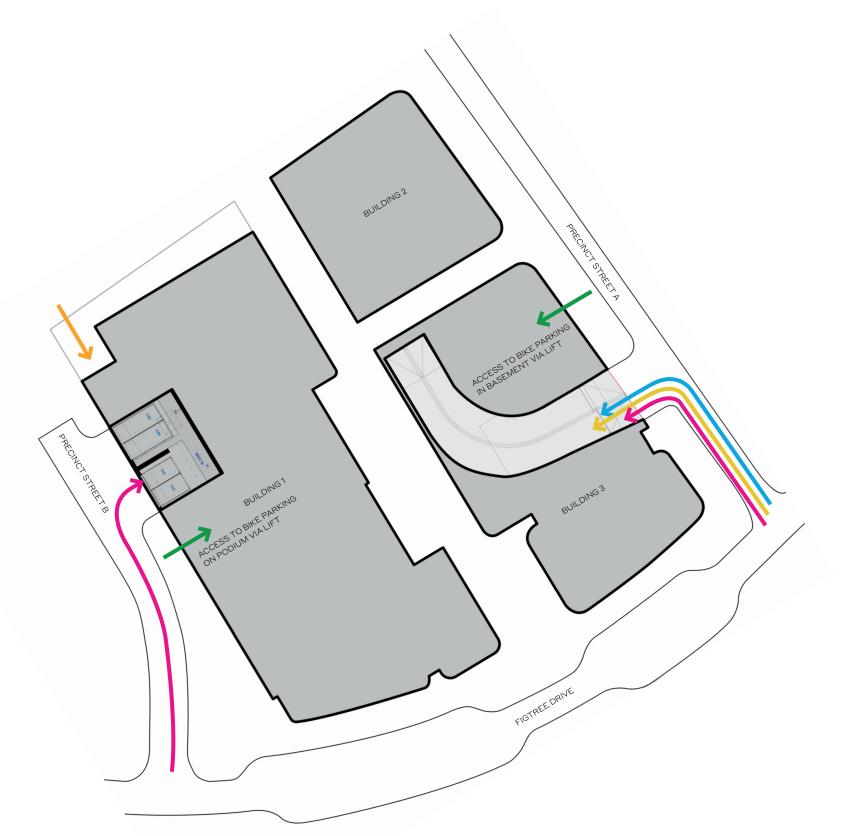


Figure 18: Parking (Indicative and subject to detailed design development)



3.4 Environment and sustainability

Objectives:

- 1. Deliver a sustainable development demonstrating excellence against benchmarks and certification systems
- 2. Achieve high levels of environmental performance and contribute to positively addressing social issues relevant to the building use and precinct needs.
- 3. Contribute to the evolution of a new urban development paradigm which incorporates environmentally sustainable elements, processes and designs.
- 4. Use of plants and other green elements on green roofs and on podium façades are encouraged to support biodiversity and as natural shading elements providing protection in the summer months
- 5. Contribute to climate resilience through contributing to high-quality public spaces, significant tree canopy, integrated green infrastructure and elements such as rainwater capture and stormwater run-off reduction.
- 6. Contribute to social sustainability through inclusive consultation, engagement, and design processes, with particular regard to maintaining meaningful participatory engagement with local Aboriginal communities.



Figure 19: Example of potential sustainability and energy efficient design measures.

Guidance:

- 1. Address the sustainability targets and rating requirements outlined in Ecologically Sustainable Development (ESD) Report lodged with the Concept SSDA.
- 2. The built form is to be built upon natural ventilation principles opening up towards the east allowing a cool summer breeze to naturally ventilate open areas while blocking cold winds coming from the west in winter months.
- 3. Apartment layouts are to be designed to maximize solar access and natural ventilation.
- 4. Use of plants and other green elements on façades and in the podium design are encouraged as natural shading elements providing protection in the summer months.
- 5. The use of recycled materials is encouraged to achieve proposed sustainability targets and reflect Connecting with Country principles.
- 6. Materials selection should contribute to sustainability targets, reducing carbon footprint and resulting in high-performing buildings across the asset life cycle. This includes (but not limited to) using high recycled content and low carbon materials; energy and water efficient products, services and systems and smart metering and monitoring system for continual improvement.
- 7. Integration of PV panels is encouraged to achieve sustainability targets.
- 8. Extensive recycling of rainwater has been identified as one of the strategies to achieve sustainability targets.
- 9. Appropriate solar shading of commercial and residential towers to be provided to reduce solar reflection and urban heat island effect.
- 10. Design to cater for current and future integration of accessibility for all users including vulnerable groups.
- 11. As a minimum the development should comply with the City of Parramatta Waste Management Guidelines for New Development Applications.
- 12. A dual chute system should be provided for residential buildings (i.e. recycling and general waste), to encourage building occupants to segregate waste and to participate in best practice waste management.
- 13. Centralised waste storage areas and associated plant (e.g. compactors, balers, bin pullers, bulky waste storage cage) should be provided and adequately sized in each building, for the effective segregation, storage and handling of all operational waste prior to collection.
- 14. Design buildings to enable smart, multifunctionality, share economy, adaptation and reclamation of elements for reuse, repurpose or recycling in the future.

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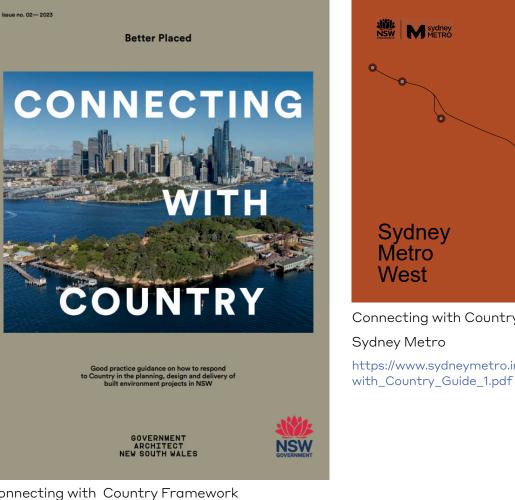
3.5 Connecting with Country

Objective:

- 1. Developing our understanding of the Country through which Sydney Metro West will travel.
- 2. Addressing Aboriginal cultural values into the Sydney Metro West project in a way that is culturally respectful, that generates cultural discussion and responses and pays respect to Traditional Owners, Knowledge Holders and the wider Aboriginal Communities

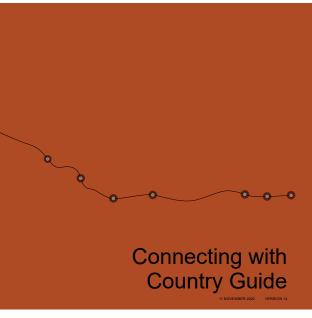
Guidance:

- 3. Refer to the linewide Connecting with Country guide developed by Sydney Metro along with Traditional Owners and Holders of Knowledge
- 4. Refer to Government Architect NSW(GANSW)'s Connecting with Country framework



Connecting with Country Framework GANSW

Connecting with Country Framework (nsw.gov.au)



Connecting with Country Guide

https://www.sydneymetro.info/sites/default/files/2023-01/Connect_

3.6 Benchmarks

Sydney Metro has identified benchmark projects that demonstrate the design quality aspirations for the site. These benchmarks have been selected to showcase the minimum quality expected in relation to:

- Integrated design outcomes.
- Development that showcase high quality design and contribute positively to the Sydney Olympic Park skyline.
- Architecture that responds to adjoining buildings and streetscape character and scale.
- A design that provides a high-quality public space that is integrated, connected, active, safe and comfortable for customers and pedestrians.
- A design that fulfils the needs of a civic station entry and a high quality OSD entry with associated servicing.
- Materials and finishes that are high quality and appropriate to the context.
- Integration of joyful public art and public domain elements that contribute to a good experience of the place.
- Well considered strategies in façade and services integration that contribute towards best practice sustainable outcomes.

Each benchmark has been chosen to endorse a variety of design outcomes as outlined in the table below. Further details of these projects are provided in the Sydney Olympic Park Design Quality Benchmarks and are to be used to guide design outcomes for the over-station development.

Benchmark	Crows Nest OSD	Waterloo OSD	Wynyard Walk OSD
Integrated design			
Positive contribution to skyline	\checkmark	\checkmark	\checkmark
Streetscape character and scale	\checkmark	\checkmark	\checkmark
High quality public space	\checkmark	\checkmark	\checkmark
Civic station entry and high quality OSD entry	\checkmark	\checkmark	\checkmark
High quality materials and finishes	\checkmark	\checkmark	\checkmark
Public art and public domain elements	\checkmark	\checkmark	\checkmark
Best practice sustainability	~	~	✓

Figure 19: Benchmarks

