

ANGEL PLACE LEVEL 8, 123 PITT STREET SYDNEY NSW 2000

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RESPONSE TO SECRETARY'S ENVIRONMENTAL ASSESSMENT REQUIREMENTS

Requirement	Location in EIS
General Requirements	
The environmental impact statement (EIS) must be prepared in accordance with and meet the minimum requirements of clauses 6 and 7 of Schedule 2 of the Environmental Planning and Assessment Regulation 2000 (the Regulation).	Throughout the EIS and Appendices.
Environmental Risk Assessment	Throughout the EIS
Notwithstanding the key issues specified below, the EIS must include an environmental risk assessment to identify the potential environmental impacts associated with the development.	and Appendices.
Where relevant, the assessment of the key issues below, and any other significant issues identified in the risk assessment, must include:	
Adequate baseline data	
 Consideration of potential cumulative impacts due to other development in the vicinity (completed, underway or proposed) 	
 Measures to avoid, minimise and if necessary, offset the predicted impacts, including detailed contingency plans for managing any significant risks to the environment. 	
Capital Investment Value	Appendix A – CIV
 The EIS must be accompanied by a report from a qualified quantity surveyor providing: 	Report
 A detailed calculation of the capital investment value (CIV) (as defined in clause 3 of the Regulation) of the proposal, including details of all assumptions and components from which the CIV calculation is derived 	
 An estimate of the jobs that will be created by the future development during the construction and operational phases of the development 	
 Certification that the information provided is accurate at the date of preparation. 	



Requirement	Location in EIS
Key Issues	
1. Environmental Planning Instruments Policies and Guidelines The EIS shall address the statutory provisions applying to the development contained in all relevant environmental planning	Section 3 and Section 4 Throughout the
 Instruments, including: State Environmental Planning Policy (State & Regional Development) 	Appendices
 2011 State Environmental Planning Policy (State Significant Precincts) 2005 	
 State Environmental Planning Policy (Urban Renewal) 2010 	
 State Environmental Planning Policy (Affordable Rental Housing) 2009 	
 State Environmental Planning Policy (Infrastructure 2007) 	
 State Environmental Planning Policy No. 55 – Remediation of Land (SEPP 55) 	
State Environmental Planning Policy No 64—Advertising and Signage	2
 State Environmental Planning Policy No 65—Design Quality of Residential Apartment Development 	
 State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017. 	
The EIS shall consider the relevant provisions, goals and objectives in the following:	9
NSW State Priorities	
Future Transport Strategy 2056	
 Better Placed – An integrated design policy for the built environment of New South Wales 	
 Guide to Traffic Generating Developments (RMS) 	
Development near Rail Corridors and Busy Roads – Interim Guideline	2
 Greater Sydney Region Plan – A Metropolis of Three Cities 	



Re	quirement	Location in EIS
•	Eastern City District Plan	
•	Towards our Greater Sydney 2056	
•	Sydney Local Environmental Plan 2012	
•	Sydney Development Control Plan 2012	
•	Sustainable Sydney 2030	
•	Central to Eveleigh Urban Transformation Strategy	
•	Redfern-Waterloo Built Environment Plan (Stage One) August 2006	
•	Redfern-Waterloo Development Contributions Plan 2006	
•	Redfern-Waterloo Affordable Housing Contributions Plan 2006	
•	Redfern Centre Urban Design Principles.	
2.	Design Excellence	Section 6.1
COI	e EIS shall include a design excellence strategy prepared in nsultation with the NSW Government Architect, demonstrating how the posal will achieve design excellence. This strategy shall identify:	Appendix H – Design Report
•	The process to ensure that design excellence is achieved	
•	Process of engagement with the State Design Review Panel (SDRP) Pilot including post approvals	
•	How comments from NSW Government Architect have been addressed	
3.	Built Form and Urban Design	Section 6.2
•	Provide an urban design analysis with consideration of the proposed building form, height, bulk and scale, setbacks and interface of the proposal with the surrounding development and public domain.	Appendix H – Design Report
•	Address the design quality of the proposal including consideration of building articulation, materials and finishes and street activation.	Appendix K – Landscape DA Report
•	Assess environmental amenity including access to natural daylight and ventilation, accustic separation, access to landscape and outdoor spaces and future flexibility, for both occupants of the building and occupants of neighbouring developments, noting the size of the site	



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Requirement	Location in EIS
 Demonstrate the appropriateness of the proposed tower and setbacks with respect to wind mitigation, supported by a wind study. 	Appendix HH - Crime Prevention Through Environmental Design (CPTED) Appendix X - Light Spill Impact
6. Visual Impacts	Section 6.5
The EIS shall provide a visual impact assessment to identify the visual changes and view impacts of the development to/from key vantage points and surrounding land. Photomontages or perspectives should be provided showing the project. The visual impact assessment must consider the impact of the development on any existing and proposed developments, including any view loss.	Appendix Q - Visual Impact Assessment
7. Transport, Traffic, Parking and Access (Construction and	Section 4.7
Operation)	Section 6.6
The EIS shall provide a transport and accessibility impact assessment prepared in accordance with the relevant guidelines identifying:	Appendix N - Traffic and Transport Impact
Operational matters including:	Assessment
 Assess the traffic impacts of the development on the surrounding road network and specify any road upgrade works (local and classified) required to manage traffic impacts and maintain acceptable levels of service 	Appendix EE - Framework Construction Traffic Management Plan
 An assessment of the car parking, loading and servicing facilities for the proposed development and compliance with appropriate parking codes and justification for the amount of car parking, loading and servicing facilities provided on the site. 	
 Access to, from and within the site from the road network including intersection locations, design and sight distance (i.e. turning lanes, swept paths, sight distance requirements) 	
 Proposed access arrangements including vehicles access, drop off arrangements, service vehicles including waste, emergency vehicles and loading areas for the development 	
 Sustainable travel initiatives for employees, students and visitors, particularly for the provision of, green travel plans and wayfinding strategies 	



Requ	lirement	Location in EIS
-	Details of bicycles parking facilities as these facilities need to be provided in secure, convenient, accessible areas close to main entries incorporating lighting and passive surveillance.	
_	The existing, proposed and any temporary pedestrian and bicycle routes as well as measures to maintain road and personal safety in accordance with CPTED principles	
_	An assessment of predicted impacts on road safety Provisions for end of trip facilities and on-site bicycle parking in accordance with relevant RMS/Council guidelines and Australian Standards	
_	Demonstrating adequate provision for servicing of the site in relation to loading demands, size of waste storage and collection area and method of collection to/from and within the site ensuring all serving and loading occurs on-site and does not rely on kerbside controls.	
• (Construction matters including:	
-	An assessment of traffic and transport impacts during construction and how these impacts will be mitigated for any associated traffic, pedestrians, cyclists, including the preparation of a draft Construction Pedestrian Traffic Management Plan. This Plan shall include vehicle routes, truck numbers, indicative construction program, hours of operation, access arrangements and traffic control measures for all works	
_	Details of construction vehicle routes, peak hour and daily truck movements, work zone location, haulage routes, hours of operation, access arrangements at all stages of construction and traffic control measures for all works	
_	An assessment of the likely construction traffic impacts, such as required road/lane closures and diversions, impacts on bus and 'point to point' transport, impacts on pedestrian and cycle movement, and taking into account other construction activities	
_	Details of proposed mitigation measures should any impacts be identified, the duration of the impacts and measures proposed to mitigate any associated general traffic, public transport, pedestrian and cyclist impacts should be clearly identified	
_	An assessment of construction impacts on road safety at key intersections and locations for potential pedestrian, vehicle and bicycle conflicts	
-	An assessment of cumulative construction impacts of projects including Sydney Metro City and Southwest	
_	Details of any temporary cycling and pedestrian access during construction	



Requirement	Location in EIS
Details of access arrangements for workers, emergency services and the provision for safe and efficient access for loading and deliveries.	
8. Signage	Section 4.9
The EIS shall provide details on the location, size and content of any	Section 6.7
proposed signage and consider any signage as part of the overall built form and urban design of the development.	Appendix G – Architectural Drawings
	Appendix H – Design Report
9. Heritage and Archaeology	Section 6.8
The EIS shall provide:	Appendix D –
 A Statement of Heritage Impact (SOHI) prepared by a suitably qualified heritage consultant in accordance with the guidelines in the NSW Heritage Manual. The SOHI is to address the impacts of the proposal on any heritage significance of the site and adjacent areas and is to identify the following: 	Statement of Heritage Impact
 All heritage items (state and local) within the vicinity of the site including built heritage, landscapes, heritage conservation areas, and archaeology, and provide detail on their heritage significance and location. 	
 The impacts of the proposal on heritage items and heritage conservation areas 	
 Heritage assessment of the buildings on site that are more than 50 years old and proposed to be demolished o compliance with the policies of any relevant Conservation Management Plan. 	
 Potential visual impacts of the proposal on the heritage significance of heritage items and heritage conservation areas in the vicinity of the site 	
 The attempts to avoid and/or mitigate the impact on the heritage significance or cultural heritage values of the site and the surrounding heritage items 	
 Any impacts of the proposal including vibration impacts on the heritage significant building at St. Luke's Presbyterian Church, 118 Regent Street to the south of the site. 	
 A historic archaeological assessment prepared by a suitable historical archaeologist in accordance with the relevant guidelines including but 	



Requirement	Location in EIS
not limited to Archaeological Assessment 2009. The assessment is to demonstrate the following:	
 The historical archaeological relics likely to be present within the site and their significance 	
 The likely impacts of the proposal on these relics 	
 Opportunities for avoidance through careful consideration of redesign where state significant archaeological resources are identified 	
Appropriate mitigation strategies where harm is likely to occur. If harm cannot be avoided in whole or part, an appropriate Research Design and Excavation Methodology should also be prepared to guide any proposed excavations or salvage programme.	
10. Aboriginal Cultural Heritage	Section 6.9
The EIS shall identify and describe the Aboriginal cultural heritage values that exist across the whole area that will be affected by the development and document these in an Aboriginal Cultural Heritage Assessment Report (ACHAR). This may include the need for surface survey and test excavation. The identification of cultural heritage values must be conducted in accordance with the Code of Practice for Archaeological Investigations of Aboriginal Objects in NSW (OEH, 2010), and guided by the Guide to investigation, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECCW, 2011). The ACHAR shall:	Appendix C - Aboriginal Cultural Heritage Assessment Report
 Include consultation with Aboriginal people and documented in accordance with the Aboriginal Cultural Heritage Consultation Requirements For Proponents 2010 (DECCW, 2010). The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the ACHAR. 	
 An assessment of impacts on Aboriginal cultural heritage values. The ACHAR must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the ACHAR must outline measures proposed to mitigate impacts. Any objects recorded as part of the assessment must be documented and notified to OEH. It is noted that a due diligence is not an appropriate assessment, an ACHAR is required. 	



EIS
– Design
-)A Report
– Acoustic



Requirement	Location in EIS
13. Air Quality, Odour and Waste	Section 6.12
 The EIS shall: Address the potential air quality, odour and waste impacts during the construction and operation of the development and appropriate mitigation measures. Detail any air quality control measures to be implemented into the Construction Management plan to reduce air quality impacts during demolition, excavation and construction. 	Appendix P - Air Quality Impact Assessment Appendix I – Construction and Demolition Waste Management Plan Appendix M – Operational Waste Management Plan
14. Drainage and Flooding	Section 6.13
 The EIS shall address the drainage and flooding issues associated with the site. This includes: The submission of a stormwater management plan which considers the impact of the development on the existing storm water infrastructure both in terms of storm water quantity and quality impacts. An assessment of any flood risk in accordance with the guideline contained in the NSW Floodplain Development Manual (DIPNR, 2005) including potential effects of climate change and an increase in rainfall intensity. The sites frontage to William Lane is subject to flooding and as such any proposed access to a basement area needs to be above the probable maximum flood level. The ground floor retail space needs to be at or above the 1% annual exceedance probability flood level. 	Appendix BB – Stormwater Management Report Appendix AA – Flood Assessment Report
15. Soil and Water	Section 6.14
 The EIS shall: Include details of erosion, sediment and stormwater management and controls during construction and management and mitigation measures for the prevention of potential water quality impacts during construction 	Appendix BB – Stormwater Management Report Appendix JJ - Geotechnical Investigation



Requirement	Location in EIS
 Include details of any geotechnical issues (including acid sulphate soils) associated with the construction of the development 	
 Outline opportunities for the use of integrated water cycle management practices and principles to optimise opportunities for sustainable water supply, wastewater and stormwater management across the development. 	
16. Biodiversity	Section 6.15
 The EIS shall provide an assessment of the proposal's biodiversity impacts in accordance with the Biodiversity Conservation Act 2016, including the preparation of a Biodiversity Development Assessment Report (BDAR) where required under the Act, except where a waiver for preparation of a BDAR has been granted. 	Appendix S – BDAR Waiver
17. Ecologically Sustainable Development (ESD)	Section 6.16
The EIS shall detail how best practice ESD principles (as defined in clause 7(4) of Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i>) will be incorporated in the design, construction and ongoing operation phases of the development, including optimisation of renewable energy opportunities via roof top photovoltaic and/or solar water heating technology. If kitchenettes are proposed to the rooms, then BASIX applies and relevant BASIX documentation shall also be provided.	Appendix R – ESD Assessment Report
18. Contamination	Section 6.17
The EIS shall:Demonstrate compliance with the requirements of State	Appendix J - Detailed Site Investigation
Environmental Planning Policy No. 55 – Remediation of Land	Appendix NN – Remediation Action
 Include a Phase 1, Phase 2, and a Remedial Action Plan depending on the extent (if any) of contamination. 	Plan
19. Developer Contributions	Section 6.18
The EIS shall include the scope of developer contributions proposed.	
20. Building Code of Australia and the Disability Discrimination Act	Section 6.19
	Appendix T - BCA Report



Requirement	Location in EIS
The EIS shall include a BCA and Access Report demonstrating compliance with the Building Code of Australia and the Disability Discrimination Act 1992.	Appendix U – Accessibility Assessment
21. Infrastructure	Section 6.20
 The EIS shall: Identify existing infrastructure on-site and future infrastructure (CBD Rail Link and Sydney Metro) and any possible impacts of the construction and operation of the proposal on this infrastructure and associated mitigation measures Include details of the existing capacity and any augmentation requirements of the development for the provision of utilities, including staging of infrastructure and additional licence/approval requirements 	Appendix W – Infrastructure Report Appendix KK – Building Services Brie
 in consultation with relevant agencies. Include a report demonstrating compliance with the Sydney Metro Underground Corridor Protection Guidelines. 	
22. Land Ownership and Tenure The EIS shall include details of the current landownership and proposed management of future ownership.	Section 6.21
Consultation	Section 5
During the preparation of the EIS, the applicant must consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners. In particular, consultation is required for the following agencies:	Appendix V – Community Consultation and Engagement Report
 The City of Sydney Council 	Throughout the
 NSW Government Architect's Office 	Appendices
 Sydney Coordination Office within Transport for NSW 	
 Roads and Maritime Services 	
 Environment, Energy and Science Group of the Department of Planning, Industry and Environment (former Office of Environment and Heritage) 	



Requirement	Location in EIS
 Heritage Division of the Department of Premier and Cabinet (former Heritage Division of the Office of Environment and Heritage) 	
 Sydney Water 	
 Sydney Trains 	
 Sydney Metro 	
 Sydney Airport 	
 Adjoining sites and landowners. 	
The EIS must describe the consultation process and the issues raised and identify where the design of the development has been amended in response to these issues. Where amendments have not been made to address an issue, a short explanation should be provided.	
References The assessment of the key issues listed above must take into account relevant guidelines, policies, and plans as identified. While not exhaustive, the following attachment contains a list of some of the guidelines, policies, and plans that may be relevant to the environmental assessment of this proposal.	Throughout the EIS and Appendices
Plans and Documents	
The EIS must include all relevant plans, architectural drawings, diagrams a documentation required under Schedule 1 of the Environmental Planning a Regulation 2000. These are to be provided as part of the EIS rather than as	nd Assessment
 An existing site survey plan drawn at an appropriate scale illustrating: the location of the land, boundary measurements, area (sqm) and north point 	Appendix F – Site Survey
 the existing levels of the land in relation to buildings and roads 	
 location and height of existing structures on the site 	
 location and height of adjacent buildings 	



Requirement	Location in EIS
 A locality/context plan drawn at an appropriate scale indicating: significant local features such as parks, community facilities and open space and heritage items the location and uses of existing buildings, shopping and employment areas traffic and road patterns, pedestrian routes and public transport nodes. 	Appendix G – Architectural Drawings Appendix H – Design Report
 3. Drawings at an appropriate scale illustrating: detailed plans, sections and elevations of the development, including all temporary structures, communal open spaces, landscaping and public domain works, and site features and their relationship to adjoining sites (at a minimum scale of 1:200) the height (AHD) of the proposed development in relation to the land and any changes that will be made to the level of the land by excavation, filling or otherwise an integrated urban design and landscape plan including active transport and existing, proposed and potential footpaths and bicycle paths links to surrounding public transport, details of new and retained planting, shade structures and materials. The landscape plan is to give preference to local native tree, shrub and groundcover species where appropriate. a detailed signage plan showing the location, size and content of each sign. 	Appendix G – Architectural Drawings Appendix H – Design Report
 4. Materials and finishes including: a materials and finishes schedule including elevation plans and a physical samples board an electronic model in accordance with the City of Sydney specifications. 	Appendix H – Design Report Separate email correspondence to DPIE for test of adequacy and City of Sydney for formal lodgement



Requirement	Location in EIS
5. Visual Impact Assessment including focal lengths, done in accordance with Land and Environment Court principles as follows:	Appendix Q – Visual Impact Assessment
Visual assessment methodology	
 the consultant's methodology should be explicit. This may include a flow-chart indicating how the analysis is to be undertaken, or a narrative description of the proposed sequence of activities. 	
 as part of the methodology, the consultant should provide, and explain, criteria for assessment relevant to the site, local context and proposed built form and public domain outcomes. A rationale should be provided for the choice of criteria. Criteria must include reference to the planning framework. 	
 visual catchment should be defined and explained (see below). 	
 an assessment matrix should be produced including number of viewers, period of view, distance of view, location of viewer to determine potential visual impact - i.e. high, medium or low. 	
Visual catchment	
 potential visual catchments and view locations, including contours (areas from which the development is visible) should be identified 	
 categories of views (e.g. from public open space, from key streets, from main buildings and from key heritage items) should be defined 	
 photos are required for representative view categories, plotted on a map. 	
<u>Visual material</u>	
 reference to be made to site analysis 	
 provide key plan indicating where viewpoints are located and narrative explaining why these have been selected 	
 the built form should be illustrated in the context of the visual catchment to enable assessment of the visual impact 	
 the location of cross-sections should be clearly shown on a key plan and the choice of positions explained. The cross sections should be shown in the context of the visual catchment 	



Requirement	Location in EIS
 vertical exaggeration should provide an accurate rather than 'flattened' impression of buildings in the context of the visual catchment 	
 a key plan must be provided for photomontages. In addition, the choice of locations should be explained. Photomontages should be provided for close as well as distant views. 	
 assessment must benchmark against the existing situation with the proposed plans. 	
 photomontages to be provided for key viewpoints from all directions, and from several positions within the visual catchment. 	
 as above, support visual evidence such as cross sections to be drawn to realistic scales and shown in context. 	
A comparison of 'before' and 'proposed' is fundamental to a visual impact assessment, therefore the visual impact assessment (A3 in size) should be undertaken using human eye focal lengths (50mm at 35mm FX format and 46° angle of view) from long range, medium range and short range positions so that they can be assessed with respect to visibility, visual absorption capacity and visual impact rating.	
6. Shadow diagrams showing solar access to the site and surrounding areas at summer solstice (21 December), winter solstice (21 June) and the equinox (21 March/21 September) at 9.00 am, 12.00 pm and 3.00 pm.	Appendix G – Architectural Drawings Appendix H – Design Report
 Design report demonstrating how design quality will be achieved in accordance with Key Issues, Built Form and Urban Design, Amenity, Heritage and Archaeology and Public Domain and Public Access including: 	Appendix H – Design Report CAD Model forwarded via email to DPIE for
 an architectural design statement 	test of adequacy and
 a landscape design statement 	City of Sydney for formal lodgement
 a public domain package to include: 	
 public domain design statement, public domain plans showing key dimensions, RLs, scale bar and north point including: 	



Requirement	Location in EIS
 pedestrian movement patterns, through site link, street trees, associated landscaping, materials and surface finishes, street furniture, lighting. 	
 detailed site and context analysis 	
 an analysis of options considered including building envelope study to justify the proposed site planning and design approach 	
 a summary of feedback provided by NSW Government Architect And NSW SDRP and responses to this advice . 	
 a 3D CAD model as per Council requirements 	