

Royal Prince Alfred Hospital Redevelopment

Appendix A - SEARs Compliance Table

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Acknowledgement of Country

Architectus acknowledges the Australian Aboriginal and Torres Strait Islander peoples of this nation as the Traditional Custodians of the lands on which we live and work.

We pay our respects to Elders, past and present and emerging.

Architectus is committed to honouring Australian Aboriginal and Torres Strait Islander peoples' unique cultural and spiritual relationships to the land, waters, and seas and their rich contribution to society.

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Revision history

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A	11 October 2022	First Draft to Client	
В	18 October 2022	Test of Adequacy	
С	8 November 2022	Formal lodgment	
D	13 January 2023	Final	
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1. Secretary's Environmental Assessment Requirements

SEARs for the project were issued under Part 8, Division 2 of the *Environmental Planning and Assessment Regulation 2021* (EP&A Regulation) by the NSW Department of Planning and Environment (**DPE**) on 29 August 2022.

Table 1 and **Table 2** below provides a summary of the SEARs and identifies the section of the EIS where the relevant requirement is addressed and/or the appendix reference for the specialist consultant's report associated with that requirement.

 Table 1
 Industry-specific Secretary's Environmental Assessment Requirements (Hospitals, medical centres and health research facilities)

SEA	Rs Item/ Description	Documentation required under SEARs	EIS/Consultant Document Reference			
General Requirements						
-	<i>Issues</i> EIS must address the following specific matters:					
Stat	utory Context					
-	Address all relevant legislation, environmental planning instruments (EPIs) (including drafts), plans, policies and guidelines.	 Address in EIS 	 Section 4 of EIS Appendix B 			
-	Identify compliance with applicable development standards and provide a detailed justification for any non-compliances.					
_	If the development is only partly State significant development (SSD) declared under Chapter 2 of SEPP (Planning Systems) 2021, provide an explanation of how the remainder of the development is sufficiently related to the component that is SSD.					
-	Address the requirements of any approvals applying tot eh site, including any concept approval or recommendation from any Gateway determination.					
2. C	apital Investment Value and Employment					
_	Provide a detailed calculation of the capital investment value (CIV) of the development, prepared by a qualified quantity surveyor in accordance with planning circular Calculation of Capital Investment Value (PS 21-020).	 Cost Summary Report / CIV report 	 Under separate cover 			
_	Provide an estimate of the retained and new jobs that would be created during the construction and operational phases of the development, including details of the methodology to determine the figures provided.					
3. D	esign Quality					
-	Demonstrate how the development will achieve:	– Design	 Section 3 of EIS 			
	 design excellence in accordance with any applicable EPI provisions. 	Excellence Strategy (where	 Section 6.1 of EIS 			
	 good design in accordance with the seven objectives for good design in Better Placed. 	design excellence is	 Appendix B Appendix I 			
-	Demonstrate that the development:	required by an EPI)	 Appendix N 			
	 Where required by an EPI or concept approval, or where proposed, demonstrate how the development has been subject to a competitive design process, carried out in accordance with an endorsed brief and Design Excellence Strategy; or 	– Competition Report (where a competitive design process	 Appendix O Appendix P 			
	 In all other instances, demonstrate that the development has been reviewed by the State Design Review Panel (SDRP) consistent with the NSW SDRP: Guidelines for Project Teams. 	has been held) – Design Review Report (where				
	Recommendations of the jury and Design Integrity Panel (where a competitive design process has been held) or the SDRP are to be addressed prior to lodgement.	the project has been reviewed by the SDRP)				
4. B	4. Built Form and Urban Design					
_	Explain and illustrate the proposed built form, including a detailed site and context analysis to justify the proposed site planning and design approach.	 Architectural drawings Design Report 	 Section 6.1 of EIS Appendix G Appendix H 			

SEARs Item/ Description			-	EIS/Consultant Document Reference	
_	Demonstrate how the proposed built form (layout, height, bulk, scale, separation, setbacks, interface and articulation) addresses and responds to the context, site characteristics, streetscape and existing and future character of the locality. Demonstrate how the building design will deliver a high-quality development, including accepted and action of forced a design.	-	Survey Plan Building Code of Australia Compliance Report	 Appendix I Appendix AV 	
	including consideration of façade design, articulation, activation, roof design, materials, finishes, colours, any signage and integration of services. Assess how the development complies with the relevant accessibility	-	- Accessibility Report		
	requirements).				
5. E	invironmental Amenity				
-	Address how good internal and external environmental amenity is achieved, including access to natural daylight and ventilation, pedestrian movement throughout the site, access to landscape and outdoor spaces.	-	Shadow Diagrams View Analysis	 Section 6 of EIS Appendix I 	
_	Assess amenity impacts on the surrounding locality, including lighting impacts, solar access, visual privacy, visual amenity, view loss and view sharing, overshadowing and wind impacts (including the preparation of a wind assessment where the development has a height above four storeys). A high level of environmental amenity for any surrounding residential or other sensitive land uses must be demonstrated.	-	Pedestrian Wind Environment Assessment	– Appendix M – Appendix AA	
- 6. V	Provide a solar access analysis of the overshadowing impacts of the development within the site, on surrounding properties and public spaces (during summer and winter solstice) at hourly intervals between 9am and 3pm, when compared to the existing situation and a compliant development (if relevant).				
	· · · · · · · · · · · · · · · · · · ·		Visual Analysis		
_	Provide a visual analysis of the development from key viewpoints, including photomontages or perspectives showing the proposed and likely future development.	-	 Visual Analysis Visual Impact Assessment 	 Section 6.4 of EIS Appendix M 	
-	Where the visual analysis has identified potential for significant visual impact, provide a visual impact assessment that addresses the impacts of the development on the existing catchment.				
7. P	Public Space				
-	Demonstrate how the development maximises the amount, access to and quality of public spaces (including open space, public facilities and streets/plazas within and surrounding the site), reflecting relevant design guidelines and advice from the local council and the Department.	_	 Public Space Plan (as part of the Design Report) CPTED Report 	 Section 3 of EIS Section 6 of EIS Appendix I Appendix L 	
-	Demonstrate how the development:	-			
	 ensures that public space is welcoming, attractive and accessible for all. 				
	 maximises permeability and connectivity. 				
	 maximises the amenity of public spaces in line with their intended use, such as through adequate facilities, solar access, shade and wind protection. 				
	 maximises street activation. 				
	 minimises potential vehicle, bicycle and pedestrian conflicts. 				
_	Address how Crime Prevention through Environmental Design (CPTED) principles are to be integrated into the development, in accordance with <i>Crime Prevention and the Assessment of Development Applications Guidelines.</i>				
οт	rees and Landscaping				

 Arboricultural Impact Assessment Landscape Plan 	 Section 3.10 of EIS Section 6.5 of EIS Appendix I Appendix K Appendix L Appendix Y 	
	 Section 6.5 of EIS Appendix I Appendix K Appendix L 	
– ESD Report	 Section 6.9 of EIS Appendix B Appendix Z 	
 Transport and Accessibility Impact Assessment Construction Traffic Management Plan Green Travel Plan or equivalent 	 Section 3.11 of EIS Section 6.6of EIS Appendix AH 	
	 Transport and Accessibility Impact Assessment Construction Traffic Management Plan Green Travel Plan or 	

SEARs Item/ Description		Documentation required under SEARs	EIS/Consultant Documen Reference		
11. Biodiversity					
_	Assess any biodiversity impacts associated with the development in accordance with the Biodiversity Conservation Act 2016 and the Biodiversity Assessment Method 2020, including the preparation of a Biodiversity Development Assessment Report (BDAR), unless a waiver is granted, or the site is on biodiversity certified land. If the development is on biodiversity certified land, provide information to identify	 Biodiversity Development Assessment Report or BDAR Waiver 	 Section 6.9 of EIS Appendix X 		
	the site (using associated mapping) and demonstrate the proposed development is consistent with the relevant biodiversity measure conferred by the biodiversity certification.				
12.	Noise and Vibration	1	1		
_	Provide a noise and vibration assessment prepared in accordance with the relevant NSW Environment Protection Authority (EPA) guidelines. The assessment must detail construction and operational noise vibration impacts on nearby sensitive receivers and structures and outline the proposed management and mitigation measures that would be implemented.	 Noise and Vibration Impact Assessment 	 Section 3.12 of EIS Section 6.7 of EIS Appendix U 		
12	Ground and Water Conditions				
	Assess potential impacts on soil resources and related infrastructure and riparian	– Geotechnical	 Section 6.9 of EIS 		
_	lands on and near the site, including soil erosion, salinity and acid sulfate soils.	Assessment	 Appendix AI Appendix AJ 		
-	Provide a Surface and Groundwater Impact Assessment that assesses potential impacts on:	 Surface and Groundwater 			
	 Surface water resources (quality and quantity) including related infrastructure, hydrology, dependent ecosystems, drainage lines, downstream assets and watercourses. 	Impact Assessment – Salinity Management			
	 Groundwater resources in accordance with the Groundwater Guidelines. 	Plan and/or Acid Sulfate Soils Management Plan			
14.	Water Management				
_	Provide an Integrated Water Management Plan for the development that:	- Integrated Water	 Section 6.9 of EIS 		
	 is prepared in consultation with the local council and any other relevant drainage or water authority. 	Management Plan	 Appendix AE Appendix AF 		
	 outlines the water related servicing infrastructure required by the development (informed by the anticipated annual and ultimate increase in servicing demand) and evaluations opportunities to reduce water demand (such as recycled water provision). 				
	 details the proposed drainage design for the site including any on-site treatment, reuse and detention facilities, water quality measures, and the nominated discharge points. 				
	 demonstrates compliance with the local council or other drainage or water authority requirements and avoids adverse impacts on any downstream impacts. 				
_	Where water and drainage infrastructure works are required that would be handed over to the local council, or other drainage or water authority, provide full hydraulic details and detailed plans and specification of proposed works that have been prepared in consultation with, and comply with the relevant standards of, the local council or other drainage or water authority.				
15.	Flooding Risk				
_	Identify any flood risk on-site having regard to adopted flood studies, the potential effects of climate change, and any relevant provisions of <i>the NSW Floodplain Development Manual.</i>	 Flood Risk Assessment 	Section 6.9Appendix AE		
-	Assess the impacts of the development, including any changes to flood risk on- site or off-site, and detail design solutions and operational procedures to mitigate flood risk where required.				
16	Hazards and Risks				

SEARs Item/ Description		Documentation required under SEARs	EIS/Consultant Documen Reference	
_	Where there are dangerous goods and hazardous materials associated with the development provide a preliminary risk screening in accordance with Chapter 3 of SEPP (Resilience and Hazards) 2021. Where required by SEPP (Resilience and Hazards) 2021, provide a Preliminary Hazard Analysis prepared in accordance with <i>Hazardous Industry Planning Advisory Paper No.6 – Guidelines for Hazard Analysis</i> . If the development is adjacent to or on land in a pipeline corridor, report on	 Preliminary Hazard Analysis Hazard Analysis (Pipeline) 	 Section 6 of EIS Appendix B Appendix AO 	
	consultation outcomes with the operator of the pipeline, and prepare a hazard analysis			
17.	Contamination and Remediation		1	
_	In accordance with Chapter 4 of SEPP (Resilience and Hazards) 2021, assess and quantify any soil and groundwater contamination and demonstrate that the site is suitable (or will be suitable, after remediation) for the development	 Preliminary Site Investigation If required: Detailed Site Investigation Remedial Action Plan Preliminary Long- term Environmental Management Plan 	 Section 6.9 of EIS Appendix AK Appendix AL Appendix AM Appendix AN 	
18.	Waste Management			
-	Identify, quantify and classify the likely waste streams to be generated during	– Waste	 Section 6.9 of EIS 	
	construction and operation. Provide the measures to be implemented to manage, reuse, recycle and safely	Management Plan	- Appendix AP	
_	dispose of this waste.	– Hazardous	 Appendix AQ Appendix AR 	
-	Identify appropriate servicing arrangements for the site.	Material Survey	 Appendix AS 	
-	If buildings are proposed to be demolished or altered, provide a hazardous materials survey.		 Appendix AT Appendix AU 	
19.	Aboriginal Cultural Heritage	I		
_	Provide an Aboriginal Cultural Heritage Assessment Report prepared in accordance with relevant guidelines, identifying, describing and assessing any impacts for any Aboriginal cultural heritage values on the site.	 Aboriginal Cultural Heritage Assessment Report 	 Section 6.3 of EIS Appendix R Appendix T Appendix J 	
20.	Environmental Heritage			
-	Where there is potential for direct or indirect impacts on the heritage significance	- Statement of	 Section 6.2 of EIS 	
	of environmental heritage, provide a Statement of Heritage Impact and Archaeological Assessment (if potential impacts to archaeological resources are	 Heritage Impact Archaeological 	 Appendix Q Appendix P 	
	identified), prepared in accordance with the relevant guidelines, which assesses any impacts and outlines measures to ensure they are minimised and mitigated.	Assessment	 Appendix R Appendix S 	
21.	Social Impact			
-	Provide a Social Impact Assessment prepared in accordance with the Social Impact Assessment Guidelines for State Significant Projects.	 Social Impact Assessment 	 Section 6.9 of EIS Appendix W 	
22.	Infrastructure Requirements and Utilities	1	T	
-	In consultation with relevant service providers:	 Infrastructure Delivery, 	 Section 6.9 of EIS 	
	 assess the impacts of the development on existing utility infrastructure and service provider assets surrounding the site. 	Management and	 Appendix AE Appendix AE 	
	 identify any infrastructure upgrades required on-site and off-site to facilitate the development and any arrangements to ensure that the upgrades will be implemented on time and be maintained. 	Staging Plan	 Appendix AF Appendix AG 	
	 provide an infrastructure delivery and staging plan, including a description of how infrastructure requirements would be co-ordinated, funded and delivered to facilitate the development. 			
22	Bush Fire Risk	•		

SE/	ARs Item/ Description	Documentation required under SEARs	EIS/Consultant Documen Reference	
_	If the development is on bush fire prone land, provide a bush fire assessment that details proposed bush fire protection measures and demonstrates compliance with <i>Planning for Bush Fire Protection</i> .	– Bush Fire Assessment	The site is not located on bush fire prone land, and therefore the requirements of SEAR 23 do not apply.	
24.	Aviation			
-	If the development proposes a helicopter landing site (HLS), assess its potential impacts on the flight paths of any nearby airport, airfield or HLS.	- Aviation Report	 Section 6.8 of EIS Appendix AB 	
-	If the site contains or is adjacent to a HLS, assess the impacts of the development on that HLS.		 Appendix AC 	
25.	Construction, Operation and Staging			
-	If staging is proposed, provide details of how construction and operation would be managed and any impacts mitigated.	 Address in EIS 	 Section 3.12 of EIS Appendix U Appendix AD 	
26.	Contributions and Public Benefit			
_	Address the requirements of any relevant contribution plan(s), planning agreement or EPI requiring a monetary contribution, dedication of land and/or works-in-kind and include details of any proposal for further material public benefit.	 Address in EIS 	 Appendix B Statutory Compliance 	
_	Where the development proposes alternative public benefits or a departure from an existing contributions framework, the local council, the Department and relevant State agencies are to be consulted prior to lodgement and details, including how comments have been addressed, are to be provided.			
27.	Engagement	-		
_	 Detail engagement undertaken and demonstrate how it was consistent with the Undertaking Engagement Guidelines for State Significant Projects. Detail how issues raised and feedback provided have been considered and responded to in the project. In particular, applicants must consult with: the relevant Department assessment team. o any relevant local councils. any relevant agencies (including the Western Parkland City Authority for development within the Western Parkland City). the community. if the development would have required an approval or authorisation under another Act but for the application of s 4.41 of the EP&A Act or requires an approval or authorisation under another Act to be applied consistently by s 4.42 of the EP&A Act, the agency relevant to that approval or authorisation. 	– Engagement Report	 Section 5: Communit Engagement Appendix D Appendix J Appendix T Appendix V 	
Add	litional assessment requirements			
The	EIS must address the following specific matters:			
Cor	atamination			
_	In relation to Contamination and Remediation, if required, provide a Remediation Action Plan (RAP) including Interim Audit Advice from an EPA-accredited Site Auditor certifying the RAP as appropriate.	 Remediation Action Plan (if required) 	 Appendix AM Appendix AN 	
Floo	oding			
-	Provide a flood impact and risk assessment prepared in accordance with the NSW Floodplain Development Manual, and existing councils and government studies and guidance.	 Flooding Report 	 Section 6.9 of EIS Appendix AE 	
-	Identify flood behaviour, flood constraints and risks on the site and its surrounding, including the potential impacts of climate change for the full range of events, i.e. up to and including the probable maximum event (PMF).			
-	Assess the impacts of the development, including any changes to flood behaviour and risk, impacts of flooding on the development and its future community and on the existing community for the full range of events.			
_	Propose management measures required to minimise the impacts of flooding on the development and minimise flood risks to the community, including an Emergency Management Plan considering access to and from the site, and evacuation issues during significant flood events including the PMF, from both local catchments and/or regional catchments.			

SEARs	Item/ Description	Documentation required under SEARs	EIS/Consultant Documer Reference
cor	 If the development is adjacent to or on land in a pipeline corridor, report on consultation outcomes with the operator of the pipeline and prepare a hazard analysis (pipeline). 		Section 6.9 of EISAppendix AO
	Table 2 SEARs Cover letter – Additional Requirements		
SEARs	Item/ Description	Documentation required under the SEARs	EIS/ Consultant Document Reference
Contam	ination		
•	In relation to Contamination and Remediation, if required, provide a Remediation Action Plan (RAP) including Interim Audit Advice from an EPA-accredited Site Auditor certifying the RAP as appropriate.	-	 Section 6.9 of EIS Appendix AK Appendix AL Appendix AM Appendix AN
Flood R	isk	•	
•	Provide a flood impact and risk assessment prepared in accordance with the NSW Floodplain Development Manual, and existing councils and government studies and guidance.	-	Section 6.9Appendix AE
•	Identify flood behaviour, flood constraints and risks on the site and its surrounding including the potential impacts of climate change for the full range of events i.e. up to and including the probable maximum event (PMF).		
•	Assess the impacts of the development, including any changes to flood behaviour and risk, impacts of flooding on the development and its future community and on existing community for the full range of events.		
•	Propose management measures required to minimise the impacts of flooding on the development and minimise flood risks to the community, including an Emergency Management Plan considering access to and from the site, and evacuation issues during significant flood events including the PMF, from both local catchments and/or regional catchments.		
Hazards	s and Risks		
	velopment is adjacent to or on land in a pipeline corridor, report on consultation as with the operator of the pipeline and prepare a hazard analysis (pipeline).	-	 Section 6 of EIS Appendix B Appendix AO