

## Secretary's Environmental Assessment Requirements

Section 78A(8A) of the *Environmental Planning and Assessment Act*  
Schedule 2 of the *Environmental Planning and Assessment Regulation 2000*

<b>Application Number</b>	SSD 8114
<b>Proposal Name</b>	Lindfield Learning Village
<b>Location</b>	100 Eton Road, Lindfield (former UTS Ku-ring-gai Campus)
<b>Applicant</b>	Urbis, on behalf of the Department of Education
<b>Date of Issue</b>	16 December 2016
<b>General Requirements</b>	<p>The Environmental Impact Statement (EIS) must be prepared in accordance with, and meet the minimum requirements of clauses 6 and 7 of Schedule 2 the <i>Environmental Planning and Assessment Regulation 2000</i> (the Regulation).</p> <p>Notwithstanding the key issues specified below, the EIS must include an environmental risk assessment to identify the potential environmental impacts associated with the development.</p> <p>Where relevant, the assessment of the key issues below, and any other significant issues identified in the risk assessment, must include:</p> <ul style="list-style-type: none"> <li>• adequate baseline data;</li> <li>• consideration of potential cumulative impacts due to other development in the vicinity (completed, underway or proposed); and</li> <li>• measures to avoid, minimise and if necessary, offset the predicted impacts, including detailed contingency plans for managing any significant risks to the environment.</li> </ul> <p>The EIS must be accompanied by a report from a qualified quantity surveyor providing:</p> <ul style="list-style-type: none"> <li>• a detailed calculation of the capital investment value (CIV) (as defined in clause 3 of the <i>Environmental Planning and Assessment Regulation 2000</i>) of the proposal, including details of all assumptions and components from which the CIV calculation is derived;</li> <li>• an estimate of the jobs that will be created by the future development during the construction and operational phases of the development; and</li> <li>• certification that the information provided is accurate at the date of preparation.</li> </ul>
<b>Key Issues</b>	<p>The EIS must address the following specific matters:</p> <p><b>1. Statutory and Strategic Context</b> – including: Address the statutory provisions contained in all relevant environmental planning instruments, including:</p> <ul style="list-style-type: none"> <li>• <i>State Environmental Planning Policy (State &amp; Regional Development) 2011</i>;</li> <li>• <i>State Environmental Planning Policy (Sydney Region Growth Centres) 2006</i>;</li> <li>• <i>State Environmental Planning Policy (Infrastructure) 2007</i>;</li> <li>• <i>State Environmental Planning Policy No.55 – Remediation of Land</i>; and</li> <li>• <i>Ku-ring-gai Local Environmental Plan 2015</i>.</li> </ul>

	<p><i>Permissibility</i> Detail the nature and extent of any prohibitions that apply to the development.</p> <p><i>Development Standards</i> Identify compliance with the development standards applying to the site and provide justification for any contravention of the development standards.</p> <p><b>2. Policies</b> Address the relevant planning provisions, goals and strategic planning objectives in the following:</p> <ul style="list-style-type: none"> <li>• NSW State Priorities;</li> <li>• A Plan for Growing Sydney;</li> <li>• NSW Long Term Transport Master Plan 2012;</li> <li>• Sydney's Cycling Future 2013;</li> <li>• Sydney's Walking Future 2013;</li> <li>• Sydney's Bus Future 2013;</li> <li>• Crime Prevention Through Environmental Design (CPTED) Principles;</li> <li>• Healthy Urban Development Checklist, NSW Health; and</li> <li>• Ku-ring-gai Development Control Plan 2015.</li> </ul> <p><b>3. Built Form and Urban Design</b></p> <ul style="list-style-type: none"> <li>• Address the height, density, bulk and scale, setbacks of the proposal in relation to the surrounding development, topography, streetscape and any public open spaces.</li> <li>• Address design quality, with specific consideration of the overall site layout, streetscape, open spaces, façade, rooftop, massing, setbacks, building articulation, materials, colours and Crime Prevention Through Environmental Design Principles.</li> <li>• Detail how services, including but not limited to waste management, loading zones, and mechanical plant are integrated into the design of the development.</li> </ul> <p><b>4. Environmental Amenity</b> Detail amenity impacts including solar access, acoustic impacts, visual privacy, view loss, overshadowing and wind impacts. A high level of environmental amenity for any surrounding residential land uses must be demonstrated, including a description of mitigation and management options to prevent, control, abate or minimise identified environmental impacts associated with the construction and operation of the development.</p> <p><b>5. Transport and Accessibility (Construction and Operation)</b> Include a transport and accessibility impact assessment, which details, but not limited to the following:</p> <ul style="list-style-type: none"> <li>• accurate details of the current daily and peak hour vehicle, public transport, pedestrian and cycle movement and existing traffic and transport facilities provided on the road network located adjacent to the proposed development;</li> <li>• an assessment of the operation of existing and future transport networks including the bus network and their ability to accommodate the forecast number of trips to and from the development;</li> <li>• an estimate of the total daily and peak hour trips generated by the proposal, including vehicle, public transport, pedestrian and cycle trips;</li> <li>• the adequacy of public transport, pedestrian and bicycle networks and infrastructure to meet the likely future demand of the proposed development;</li> </ul>
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	<ul style="list-style-type: none"> <li>• the impact of the proposed development on existing and future public transport infrastructure within the vicinity of the site in consultation with Roads and Maritime Services and Transport for NSW and identify measures to integrate the development with the transport network;</li> <li>• details of any upgrading or road improvement works required to accommodate the proposed development;</li> <li>• the preparation of a Green Travel Plan that outlines proposals to encourage sustainable travel choices and details programs for implementation;</li> <li>• the impact of trips generated by the development on nearby intersections, with consideration of the cumulative impacts from other approved developments in the vicinity, and the need/associated funding for upgrading or road improvement works, if required (note: traffic modelling is to be undertaken with scope to be agreed by TfNSW and RMS in advance);</li> <li>• the proposed active transport access arrangements and connections to public transport services;</li> <li>• details of proposed school bus routes along bus capable roads (i.e. travel lanes of 3.5 m minimum) and infrastructure (bus stops, bus layovers etc.);</li> <li>• the proposed access arrangements, including car and bus pick-up/drop-off facilities, and measures to mitigate any associated traffic impacts and impacts on public transport, pedestrian and bicycle networks, including pedestrian crossings and refuges and speed control devices and zones;</li> <li>• measures to maintain road and personal safety in line with CPTED principles;</li> <li>• the proposed car and bicycle parking provision, including end of trip facilities, which must be taken into consideration of the availability of public transport and the requirements of Council's relevant parking codes and Australian Standards;</li> <li>• details of the proposed number of car parking spaces and compliance with appropriate parking codes and justify the level of car parking provided on-site;</li> <li>• details of emergency vehicle access arrangements;</li> <li>• an assessment of road and pedestrian safety adjacent to the proposed development and the details of required road safety measures;</li> <li>• service vehicle access, delivery and loading arrangements and estimated service vehicle movements (including vehicle type and the likely arrival and departure times);</li> <li>• an assessment of road safety at key intersection and locations subject to heavy vehicle construction traffic movements and high pedestrian activity;</li> <li>• details of construction program detailing the anticipated construction duration and highlighting significant and milestone stages and events during the construction process;</li> <li>• details of anticipated peak hour and daily construction vehicle movements to and from the site;</li> <li>• details of access arrangements of construction vehicles, construction workers to and from the site, emergency vehicles and service vehicle;</li> <li>• details of temporary cycling and pedestrian access during construction;</li> <li>• traffic and transport impacts during construction, including cumulative impacts associated with other construction activities, and how these impacts will be mitigated for any associated traffic, pedestrian, cyclists, parking and public transport, including the preparation of a draft Construction Traffic Management Plan to demonstrate the proposed management of the impact.</li> </ul>
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	<p>→ Relevant Policies and Guidelines:</p> <ul style="list-style-type: none"> <li>• <i>Guide to Traffic Generating Developments (Roads and Maritime Services)</i></li> <li>• <i>EIS Guidelines – Road and Related Facilities (DoPI)</i></li> <li>• <i>Cycling Aspects of Austroads Guides</i></li> <li>• <i>NSW Planning Guidelines for Walking and Cycling</i></li> <li>• <i>Austroads Guide to Traffic Management Part 12: Traffic Impacts of Development</i></li> <li>• <i>Standards Australia AS2890.3 (Bicycle Parking Facilities)</i></li> </ul> <p><b>6. Ecologically Sustainable Development (ESD)</b></p> <ul style="list-style-type: none"> <li>• Detail how ESD principles (as defined in clause 7(4) of Schedule 2 of the Environmental Planning and Assessment Regulation 2000) will be incorporated in the design and ongoing operation phases of the development.</li> <li>• Demonstrate that the development has been assessed against a suitably accredited rating scheme to meet industry best practice.</li> <li>• Include a description of the measures that would be implemented to minimise consumption of resources, water (including water sensitive urban design) and energy.</li> </ul> <p><b>7. Social Impacts</b></p> <p>Include an assessment of the social consequences of the schools' relative location.</p> <p><b>8. Biodiversity</b></p> <p>Biodiversity impacts related to the proposal are to be assessed and documented in accordance with the Framework for Biodiversity Assessment, unless otherwise agreed by OEH, by a person accredited in accordance with s142B(1)(c) of the <i>Threatened Species Conservation Act 1995</i>.</p> <p><b>9. Heritage</b></p> <p>Include a Heritage Impact Statement that addresses the significance of, and provides an assessment of the impact on the heritage significance of any heritage items on the site and in the vicinity, and/or conservation areas and/or potentially archaeologically significant areas, in accordance with the guidelines in the NSW Heritage Manual.</p> <p><b>10. Aboriginal Heritage</b></p> <ul style="list-style-type: none"> <li>• Address Aboriginal cultural heritage in accordance with the <i>Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW</i> (OEH, 2011) and <i>Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010</i>.</li> <li>• The EIS must demonstrate attempts to avoid any impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the EIS must outline measures proposed to mitigate impacts.</li> </ul> <p><b>11. Noise and Vibration</b></p> <ul style="list-style-type: none"> <li>• Identify and provide a quantitative assessment of the main noise and vibration generating sources during construction and operation (including consideration of any public address system, school bell and use of the school hall for concerts etc.) and outline measures to minimise and mitigate the potential noise impacts on surrounding occupiers of land.</li> <li>• Assessment of noise impacts in accordance with '<i>Development Near Rail Corridors and Busy Roads – Interim Guidelines</i>', including details of noise mitigation measures.</li> </ul>
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→ Relevant Policies and Guidelines:

- *NSW Industrial Noise Policy (EPA)*
- *Interim Construction Noise Guideline (DECC)*
- *Assessing Vibration: A Technical Guideline 2006*
- *Development Near Rail Corridors and Busy Roads – Interim Guideline (Department of Planning 2008)*

## **12. Sediment, Erosion and Dust Controls**

Detail measures and procedures to minimise and manage the generation and off-site transmission of sediment, dust and fine particles.

→ *Relevant Policies and Guidelines:*

- *Managing Urban Stormwater – Soils & Construction Volume 1 2004 (Landcom)*
- *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA)*
- *Guidelines for development adjoining land and water managed by DECCW (OEH, 2013)*

## **13. Contamination**

Assess and quantify any soil and groundwater contamination and demonstrate that the site is suitable for the proposed use in accordance with SEPP 55.

→ Relevant Policies and Guidelines:

- *Managing Land Contamination: Planning Guidelines - SEPP 55 Remediation of Land (DUAP)*

## **14. Utilities**

- Prepare an Infrastructure Management Plan in consultation with relevant agencies, detailing information on the existing capacity and any augmentation requirements of the development for the provision of utilities including staging of infrastructure.
- Prepare an Integrated Water Management Plan detailing any proposed alternative water supplies, proposed end uses of potable and non-potable water, and water sensitive urban design.

## **15. Contributions**

Address Council's Section 94A Contribution Plan and/or details of any Voluntary Planning Agreement.

## **16. Drainage**

Detail drainage associated with the proposal, including stormwater and drainage infrastructure.

→ *Relevant Policies and Guidelines:*

- *Guidelines for development adjoining land and water managed by DECCW (OEH, 2013)*

## **17. Flooding**

Assess any flood risk on site (detailing the most recent flood studies for the project area) and consideration of any relevant provisions of the NSW Floodplain Development Manual (2005), including the potential effects of climate change, sea level rise and an increase in rainfall intensity.

## **18. Waste**

Identify, quantify and classify the likely waste streams to be generated during construction and operation and describe the measures to be implemented to manage, reuse, recycle and safely dispose of this waste. Identify appropriate servicing arrangements (including but not limited to, waste management, loading zones, mechanical plant) for the site.

	<p><b>17. Bushfire</b> Address bushfire hazard and if required, prepare a report that addresses the requirements for Special Fire Protection Purpose Development as detailed in <i>Planning for Bush Fire Protection 2006</i> guidelines.</p>
<p><b>Plans and Documents</b></p>	<p>The EIS must include all relevant plans, architectural drawings, diagrams and relevant documentation required under Schedule 1 of the Environmental Planning and Assessment Regulation 2000. Provide these as part of the EIS rather than as separate documents.</p> <p>In addition, the EIS must include the following:</p> <ul style="list-style-type: none"> <li>• Architectural drawings (dimensioned and including RLs);</li> <li>• Site Survey Plan, showing existing levels, location and height of existing and adjacent structures / buildings and boundaries;</li> <li>• Site Analysis Plan;</li> <li>• Stormwater Concept Plan;</li> <li>• Sediment and Erosion Control Plan;</li> <li>• Shadow Diagrams;</li> <li>• View Analysis / Photomontages;</li> <li>• Landscape Plan (identifying any trees to be removed and trees to be retained or transplanted);</li> <li>• Preliminary Construction Management Plan, inclusive of a Preliminary Construction Traffic Management Plan detailing vehicle routes, number of trucks, hours of operation, access arrangements and traffic control measures;</li> <li>• Geotechnical and Structural Report;</li> <li>• Accessibility Report;</li> <li>• Arborist Report;</li> <li>• Salinity Investigation Report (if required);</li> <li>• Acid Sulphate Soils Management Plan (if required); and</li> <li>• Schedule of materials and finishes.</li> </ul>
<p><b>Consultation</b></p>	<p>During the preparation of the EIS, you must consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners.</p> <p>In particular you must consult with:</p> <ul style="list-style-type: none"> <li>• Ku-ring-gai Council;</li> <li>• Transport for NSW;</li> <li>• Roads and Maritime Services; and</li> <li>• NSW Rural Fire Service.</li> </ul> <p>Consultation with TfNSW and RMS should commence as soon as practicable to agree the scope of investigation.</p> <p>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.</p>
<p><b>Further consultation after 2 years</b></p>	<p>If you do not lodge a development application and EIS for the development within two years of the issue date of these SEARs, you must consult further with the Secretary in relation to the preparation of the EIS.</p>
<p><b>References</b></p>	<p>The assessment of the key issues listed above must take into account relevant guidelines, policies, and plans as identified.</p>