

Secretary's Environmental Assessment Requirements

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

Application Number	SSD 8989
Proposal Name	New Catholic College
Location	2 Kingfisher Close, Medowie
Applicant	Trustees of the Roman Catholic Church for the Diocese of Maitland – Newcastle
Date of Issue	Reissued 18 January 2018
General Requirements	<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"> • adequate baseline data; • consideration of potential cumulative impacts due to other development in the vicinity (completed, underway or proposed); and • measures to avoid, minimise and if necessary, offset the predicted impacts, including detailed contingency plans for managing any significant risks to the environment. <p>The EIS must be accompanied by a report from a qualified quantity surveyor providing:</p> <ul style="list-style-type: none"> • a detailed calculation of the capital investment value (CIV) (as defined in clause 3 of the Environmental Planning and Assessment Regulation 2000) 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; and • certification that the information provided is accurate at the date of preparation.
Key Issues	<p>The EIS must address the following specific matters:</p> <p>1. Statutory and Strategic Context – including: Address the statutory provisions contained in all relevant environmental planning instruments, including:</p> <ul style="list-style-type: none"> • <i>Biodiversity Conservation Act 2016</i> • State Environmental Planning Policy (State & Regional Development) 2011; • State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017; • State Environmental Planning Policy No.14 – Coastal Wetlands; • State Environmental Planning Policy No.44 – Koala Habitat Protection; • State Environmental Planning Policy No.55 – Remediation of Land; • State Environmental Planning Policy No. 64 – Advertising and Signage; • Port Stephens Local Environmental Plan 2013; and

	<ul style="list-style-type: none"> • Port Stephens Council Comprehensive Koala Plan of Management. <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, including:</p> <p>2. Policies Address the relevant planning provisions, goals and strategic planning objectives in the following:</p> <ul style="list-style-type: none"> • NSW State Priorities; • A Plan for Growing Sydney; • Hunter Regional Plan 2036; • Hunter Regional Transport Plan 2014; • NSW Long Term Transport Master Plan 2012; • Draft Future Transport Strategy 2056 and supporting plans; • Crime Prevention Through Environmental Design (CPTED) Principles; • Healthy Urban Development Checklist, NSW Health; • Better Placed – an integrated design policy for the built environment of NSW; • Port Stephens Development Control Plan 2014; • Medowie Planning Strategy; • Draft Greater Newcastle Metropolitan Plan; and <p>3. Operation</p> <ul style="list-style-type: none"> • Provide details of the proposed school operations, including staff and student numbers, school hours of operation, and operational details of any proposed before/after school care services and/or community use of school facilities. • Provide a detailed justification of suitability of the site to accommodate the proposal and projected student and staff capacity and community use of the school. <p>4. Built Form and Urban Design</p> <ul style="list-style-type: none"> • Address the height, density, bulk and scale, setbacks of the proposal in relation to the surrounding development, topography, streetscape and any public open spaces. • 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. • Develop in discussion with the Government Architect NSW a design report that includes diagrams, illustrations and drawings to clarify the design intent of the proposal that clearly demonstrates how design quality will be achieved in accordance with Schedule 4 Schools – Design Quality Principles of State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017. • Detail how services, including but not limited to waste management, loading zones, and mechanical plant are integrated into the design of the development. • Provide detailed site and context analysis to justify the proposed site planning and design approach • Provide a detailed site-wide landscape strategy including opportunities to retain existing trees on the site
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	<ul style="list-style-type: none"> • Detail of the master plan approach which demonstrates how this and the anticipated separate concept DA respond to the Design Quality Principles of the Education SEPP; • Site and context plans that demonstrate a minimum of three alternate approaches to site planning which consider entrances, drop offs, building zones, carparking, open space and tree canopy • Site and context plans that demonstrate opportunities for active transport strategies and linkages with existing, proposed and potential footpaths and bicycle paths and public transport links • A report tabling how the proposal responds to and upholds the Design Guide for Schools and the Design Quality Principles as per Schedule 4 of the Education SEPP <p>5. Environmental Amenity</p> <ul style="list-style-type: none"> • 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. • Detail any proposed use of the school grounds out of school hours (including weekends) and any resultant amenity impacts on the immediate locality and proposed mitigation measures. <p>6. Transport and Accessibility (Construction and Operation) Include a traffic, transport and accessibility impact assessment, which details, but is not limited to the following:</p> <ul style="list-style-type: none"> • 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; • an assessment of the operation of existing and future transport networks including public transport networks, and their ability to accommodate existing trips and the forecast number of trips to and from the development; • details of estimated total daily and peak hour trips generated by the proposal, including vehicle, public transport, pedestrian and bicycle trips based on surveys of similar schools within the local area; • the adequacy of public transport, pedestrian and bicycle networks and associated infrastructure to meet the likely future demand of the proposed development; • the impact of the proposed development on existing and future public transport infrastructure within the vicinity of the site in consultation with Council, Roads and Maritime Services and Transport for NSW and identify measures to integrate the development with the transport network; • the identification of infrastructure required to ameliorate any impacts on traffic efficiency and road safety impacts associated with the proposed development, including details on improvements required to affected intersections including Medowie Road at Richardson Road and Blueberry Road, and Kingfisher Close at Blueberry Road; • details of travel demand management measures to minimise the impact on general traffic and bus operations, including details of a location-specific sustainable travel plan and the provision of facilities to increase the non-car mode share for travel to and from the site; • 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, and details of, upgrades or road improvement works, Traffic modelling is to be undertaken using SIDRA network modelling for current and future years; • the proposed walking and cycling access arrangements and connections to public transport services;
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	<ul style="list-style-type: none"> • details of any proposed school bus routes along bus capable roads (i.e. travel lanes of 3.5m minimum) and infrastructure (bus stops, bus layovers etc.); • 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; • measures to maintain road and personal safety in line with CPTED principles; • 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; • proposed bicycle parking provision, including end of trip facilities, in secure, convenient, accessible areas close to main entries incorporating lighting and passive surveillance; • proposed number of on-site car parking spaces for teaching staff and visitors and corresponding compliance with existing parking codes and justification for the level of car parking provided on-site; • an assessment of the cumulative on-street parking impacts of cars and bus pick-up/drop-off, staff parking and any other parking demands associated with the existing and proposed development; • details of emergency vehicle access arrangements; • an assessment of road and pedestrian safety adjacent to the proposed development and the details of required road safety measures; • service vehicle access, delivery and loading arrangements and estimated service vehicle movements (including vehicle type and the likely arrival and departure times); • in relation to construction traffic: <ul style="list-style-type: none"> ○ assessment of cumulative impacts associated with other construction activities (if any); ○ an assessment of road safety at key intersection and locations subject to heavy vehicle construction traffic movements and high pedestrian activity; ○ details of construction program detailing the anticipated construction duration and highlighting significant and milestone stages and events during the construction process; ○ details of anticipated peak hour and daily construction vehicle movements to and from the site; ○ details of on-site car parking and access arrangements of construction vehicles, construction workers to and from the site, emergency vehicles and service vehicle; ○ details of temporary cycling and pedestrian access during construction; and ○ 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 in line with Council's Construction Management Plan Checklist to demonstrate the proposed management of the impact. <p>→ Relevant Policies and Guidelines:</p> <ul style="list-style-type: none"> • <i>Guide to Traffic Generating Developments (Roads and Maritime Services)</i> • <i>EIS Guidelines – Road and Related Facilities (DoPI)</i> • <i>Cycling Aspects of Austroads Guides</i> • <i>NSW Planning Guidelines for Walking and Cycling</i>
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	<ul style="list-style-type: none"> • <i>Austrroads Guide to Traffic Management Part 12: Traffic Impacts of Development</i> • <i>Australia Standards AS2890.3 (Bicycle Parking Facilities)</i> • <i>Port Stephens DCP 2014</i> • <i>Medowie Planning Strategy 2016</i> <p>7. Ecologically Sustainable Development (ESD)</p> <ul style="list-style-type: none"> • 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. • Demonstrate that the development has been assessed against a suitably accredited rating scheme to meet industry best practice. • Include a description of the measures that would be implemented to minimise consumption of resources, water (including water sensitive urban design) and energy. <p>8. Social Impacts</p> <p>Include an assessment of the social consequences of the schools' relative location and decanting activities if proposed. Adjacent properties contain urban agriculture and horse agistment areas. The impacts of the school on these properties (noise, children playing nearby etc.) should be considered.</p> <p>9. Biodiversity</p> <p>Biodiversity impacts related to the proposal and the preparation of a Biodiversity Assessment are to be addressed in accordance with the requirements of the Biodiversity Conservation Act 2016.</p> <p>10. Aboriginal Heritage</p> <ul style="list-style-type: none"> • Identify, describe and document the Aboriginal Cultural Heritage values that exist across the whole area that will be affected by the development, which may include the need for surface survey and test excavation. The identified of Aboriginal Cultural Heritage values should be guided by the <i>Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW (DECC, 2011)</i>. • Where Aboriginal Cultural Heritage values are identified, consultation with Aboriginal people must be undertaken and documented in accordance with the <i>Aboriginal cultural heritage consultation requirements for proponents 2010 (DECCW)</i>. The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the EIS. • The EIS must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the EIS must outline measures proposed to mitigate impacts. Any objects recorded as part of the assessment must be documented in the EIS. Please note the Due Diligence assessment process is not appropriate to address the requirements for Aboriginal Cultural Heritage assessment. <p>11. Bushfire</p> <p>Address bushfire hazards and 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. This shall include, but not be limited to:</p> <ul style="list-style-type: none"> • Provision of Asset Protection Zones (APZs) within the proposed lots in accordance with Table A2.6; • Access to be provided in accordance with the design specifications set out in section 4.2.7 and 4.1.3; and,
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	<ul style="list-style-type: none"> • Services to be provided in accordance with section 4.2.7 and 4.1.3. <p>12. Noise and Vibration</p> <ul style="list-style-type: none"> • Identify and provide a quantitative assessment of the main noise and vibration generating sources during demolition, site preparation, bulk excavation, construction and operation, including consideration of any public address system, school bell, the design and location of waste storage facilities, time restrictions on grounds maintenance using powered equipment, time restrictions on waste collection services, mechanical services (e.g. air conditioning plant), use of any school hall for concerts, use of the church etc. (both during and outside school hours) and any out of hours community use of school facilities, and outline measures to minimise and mitigate the potential noise impacts on surrounding occupiers of land. • Assess the potential impacts resulting from aircraft noise on the proposed development as a result of proximity to the Newcastle Airport / RAAF Base Williamtown to the south and the Salt Ash Air Weapons range to the east. <p>→ Relevant Policies and Guidelines:</p> <ul style="list-style-type: none"> • <i>Noise Policy for Industry 2017 (EPA)</i> • <i>Assessing Vibration: A Technical Guideline 2006</i> • <i>Development Near Rail Corridors and Busy Roads – Interim Guideline (Department of Planning 2008)</i> • <i>Interim Construction Noise Guideline (DECC)</i> <p>13. Sediment, Erosion and Dust Controls</p> <p>Detail measures and procedures to minimise and manage the generation and off-site transmission of sediment, dust and fine particles.</p> <p>→ Relevant Policies and Guidelines:</p> <ul style="list-style-type: none"> • <i>Managing Urban Stormwater – Soils & Construction Volume 1 2004 (Landcom)</i> • <i>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA)</i> • <i>Guidelines for development adjoining land and water managed by DECCW (OEH, 2013)</i> <p>14. Contamination</p> <ul style="list-style-type: none"> • Assess and quantify any soil and groundwater contamination and demonstrate that the site is suitable for the proposed use in accordance with SEPP 55. • If any contamination is found, contaminants must not be permitted to leave the site through soil or surface water runoff. • Undertake a hazardous materials survey of all existing structures and infrastructure prior to any demolition or site preparation works. • Describe mitigation and management options that will be used to prevent, control, abate or minimise identified environmental impacts associated with the project and to reduce risks to human health and prevent the degradation of the environment. • Include an assessment of the effectiveness and reliability of the measures and any residual impacts after these measures are implemented. <p>→ Relevant Policies and Guidelines:</p> <ul style="list-style-type: none"> • <i>Managing Land Contamination: Planning Guidelines - SEPP 55 Remediation of Land (DUAP)</i> <p>15. Utilities</p> <ul style="list-style-type: none"> • Prepare an Infrastructure Management Plan in consultation with relevant agencies, detailing information on the existing capacity and any
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	<p>augmentation and easement requirements of the development for the provision of utilities including staging of infrastructure.</p> <ul style="list-style-type: none"> • 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. <p>16. Contributions Address Council's Section 94/94A Contribution Plan and/or details of any Voluntary Planning Agreement, which may be required to be amended because of the proposed development.</p> <p>17. Water</p> <ul style="list-style-type: none"> • Detail measures to minimise operational water quality impacts on surface waters and groundwater. The development must demonstrate Neutral or Beneficial Effect on Water Quality (NorBE) in terms of stormwater runoff using Model for Urban Stormwater Improvement Conceptualisation (MUSIC) modelling using the appropriate Port Stephens Council MUSIC Link catchment and default parameters. • A comparison between existing and expected post-development pollutant loads in stormwater runoff should be made to demonstrate that the proposed stormwater infrastructure and treatment train will satisfactorily address water quality concerns for the typical stormwater pollutants of total nitrogen, total phosphorus, total suspended solids and gross pollutants. • Detail the processes for managing any risks to water quality posed using fertilisers and pesticides within the grounds and chemical storage. • Identify any excavations works, maximum depth of excavations and depth of groundwater. • Assess any volumetric water requirements (including those for ongoing water use requirements following completion of the project). <p>→ Relevant Policies and Guidelines:</p> <ul style="list-style-type: none"> • <i>Protecting our Drinking Water Catchments: Guidelines for developments in the drinking water catchments (Hunter Water, 2017)</i> • <i>NSW Aquifer Interference Policy (2012)</i> • <i>Guidelines for controlled activities on waterfront land (2012)</i> <p>18. Drainage</p> <ul style="list-style-type: none"> • Assess the potential impact on the wetland immediately south of the subject site, particularly the impacts of potential sedimentation on water quality during construction. • Detail drainage associated with the proposal, including stormwater and drainage infrastructure to confirm that gutters and downpipes are adequate for the conveyance of storm runoff into the proposed buildings stormwater collection system. • Design analysis of proposed building collection stormwater pipe system to confirm adequate sizing and location of pipelines to be installed to collect and control storm runoff from roof and pavement areas all the way to the recognised public drainage system. • Design of any upgrades to the existing stormwater drainage system if necessary. <p>→ Relevant Policies and Guidelines:</p> <ul style="list-style-type: none"> • <i>Guidelines for development adjoining land and water managed by DECCW (OEH, 2013)</i> • <i>Australian Rainfall and Runoff: A Guide to Flood Estimation, Commonwealth of Australia 2016.</i> <p>19. Flooding</p> <ul style="list-style-type: none"> • Assess any flood risk on site (detailing the most recent flood studies for the project area) and consideration of any relevant provisions of the
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	<p>NSW Floodplain Development Manual (2005), including the potential effects of climate change, sea level rise and an increase in rainfall intensity.</p> <ul style="list-style-type: none"> • Ensure that the finished floor levels are set equal to or above the Probable Maximum Flood (PMF). <p>20. 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> <p>21. Construction Hours Identify proposed construction hours and provide details of the instances where it is expected that works will be required to be carried out outside the standard construction hours.</p>
<p>Plans and Documents</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"> • Site plans and operational statement demonstrating an indicative afterhours and community use strategy • A summary record of consultation with the school community • Architectural drawings (dimensioned and including RLs); • Perspective drawings; • Site Survey Plan, showing existing levels, location and height of existing and adjacent structures / buildings and boundaries; • Site Analysis Plan; • Stormwater Concept Plan; • Sediment and Erosion Control Plan; • Shadow Diagrams; • View Analysis / Photomontages, including from public vantage points; • Landscape Plan (identifying any trees to be removed and trees to be retained or transplanted); • MUSIC modelling files and MUSIC link output used in the stormwater management assessment; • Geotechnical and Structural Report; • Accessibility Report; • Arborist Report; • Salinity Investigation Report (if required); • Acid Sulphate Soils Management Plan (if required); and • Schedule of materials and finishes.
<p>Consultation</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. You must consult with:</p> <ul style="list-style-type: none"> • Port Stephens Council; • Government Architect NSW; • Transport for NSW; and • Roads and Maritime Services. <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>
Further consultation after 2 years	<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>
References	<p>The assessment of the key issues listed above must consider relevant guidelines, policies, and plans as identified.</p>