

Appendix 1 – Mitigation Measures

New High School for Leppington and Denham Court

Acknowledgement of Country

The NSW Department of Education acknowledges Dharug Peoples, the traditional custodians of the land on which a New High School for Leppington and Denham Court is proposed.

We pay our respects to their Elders past and present and celebrate the diversity of Aboriginal people and their ongoing cultures and connections to the lands and waters of Australia.

The NSW Department of Education is committed to honouring Aboriginal peoples' cultural and spiritual connections to the land, waters and seas and their rich contribution to society.

The NSW Department of Education recognises that by acknowledging our past, we are laying the groundwork for a future that embraces all Australians; a future based on mutual respect and shared responsibility.

1. Mitigation Measures

A compilation of all the mitigation measures and recommendations as stated within the relevant supporting documentation is provided in Table 1 below.

The mitigation measures have been grouped as either general mitigation measures or the relevant technical discipline (i.e., transport).

Table 1 identifies at which point of the process each mitigation is required to be undertaken:

- Prior to construction
- During construction
- Prior to operation
- During operation

Table 1: Mitigation Measures and Recommendations

ID	Measure	Timing
General		
G1	Prior to the commencement of any work, approval under Section 138 of the Roads Act 1993 is to be obtained (if required) from the relevant road authority. Any work in the road reserve, including a road opening permit for temporary construction access, requires Section 138 approval.	Prior to construction
G2	All relevant personnel, including contractors and their subcontractors must be made aware of these mitigation measures and the requirement to undertake the works as per these mitigation measures.	Prior to and during construction
G3	The relevant SINSW Project Director must be notified as soon as practical when any non-compliance with a condition/mitigation measure is identified. The notification should identify the relevant works, set out the condition/mitigation measure that works are non-compliant with, the way in which it does not comply, any known reasons for the non-compliance and what actions have been, or will be undertaken, to address the non-compliance.	General
G4	All building work is to be undertaken in accordance with the National Construction Code Series, Building Code of Australia, Volume 1 and 2, as relevant.	General
G5	All works must be designed and constructed to provide access and facilities for people with a disability in accordance with the EFSG (or provide evidence of EFSG departure approval by SINSW), National Construction Code and the recommendations of the Accessibility Report approved as part of the REF dated 15/0/25. Prior to the issue of a Crown Completion Certificate, the Crown Certifier must ensure that evidence of compliance with this condition from a suitably qualified person is provided.	General
G6	Any demolition work must be undertaken in accordance with the provisions of Australian Standard AS 2601-2001 The Demolition of Structures.	General
G7	Erosion and sediment controls must be implemented in accordance with the Landcom/Department of Housing <i>Managing Urban Stormwater, Soils and Construction Guidelines</i> (Blue Book) prior to work commencing. The controls must be in place, inspected and managed until the works are complete and all exposed erodible materials are stable. Inspection records must	General

ID	Measure	Timing
	be kept and provided on request.	
G8	<p>Prior to the commencement of any construction work, a program of independent audits must be prepared for the work, having regard to the <i>Independent Audit Post Approval Requirements 2020</i> (published on the Department of Planning and Environment website) and AS/NZS ISO 19011-2019 Guidelines for Auditing Management Systems. Audits are to be undertaken by suitably qualified personnel independent to the works and documented in an audit report which:</p> <ul style="list-style-type: none"> Assesses how the conditions/mitigation measures under each Part of the determination are being satisfied; Outlines the adequacy of any documents required under the conditions/mitigation measures; Outlines the performance of the works with respect to any impacts on the surrounding environment including the local community; and Recommends any measures or actions to improve the performance of the works, if deemed required. <p>The independent audit report is to be provided to the relevant SINSW Project Director.</p>	Prior to construction
G9	<p>Prior to the commencement of any construction work, Council and the occupiers of any land within a minimum of 80 metres of the site boundaries must be notified in writing of the project. The notice must outline the works to be undertaken, the expected timing for commencement and expected timing for completion of construction works. A minimum period of 48 hours notification prior to the commencement of any construction work shall be given.</p>	Prior to construction
G10	<p>Prior to the commencement of any construction work, a site notice board must be located at eye level at the entrance or other appropriate location at the site in a prominent position for the benefit of the community. The site notice must be displayed throughout the entire construction period, be A1 sized, durable, weatherproof and include the following information:</p> <ul style="list-style-type: none"> 24-hour contact person for the site; Telephone and email addresses; Site works and timeframes; and Details of where accessible project information can be sourced 	Prior to construction
G11	<p>Prior to commencement of any construction work, a Complaints Register is to be developed to record the details of all complaints received and the means of resolution of those complaints. The Complaints Register shall be made available on request. On receiving a complaint, it is to be recorded and provided to the relevant SINSW Project Director and reviewed to determine whether issues relating to the complaint can be resolved, avoided or minimised. A response approved by the relevant SINSW Project Director shall be provided to the complainant within 14 days of receiving the complaint explaining what remedial actions (if any) were taken.</p>	Prior to construction
G12	<p>Prior to the commencement of any construction work, all site contamination reports accompanying the REF must be reviewed by an NSW EPA-Accredited Site Auditor and a Site Audit Statement prepared. A copy of the Site Audit Statement is to be provided to the relevant SINSW Project Director.</p>	Prior to construction

ID	Measure	Timing
G13	<p>Prior to the commencement of any construction work, a Pre-Construction Dilapidation Report must be prepared by a suitably qualified expert and submitted to Council, the SINSW Heritage Team when heritage items are impacted, relevant asset/service infrastructure owners, the Crown Certifier and the relevant SINSW Project Director. The report must provide an accurate record of the existing condition of adjoining private properties that are likely to be impacted by the works (and that have agreed to an offer for a dilapidation survey), the condition of fabric for heritage items where heritage items are impacted and assets/service infrastructure that is likely to be impacted by the works.</p>	Prior to construction
G14	<p>Prior to the commencement of any construction work, a Construction Environmental Management Plan (CEMP) is to be prepared and provided to the Crown Certifier. The CEMP must be prepared having regard to the Environmental Management Plan Guideline: Guideline for Infrastructure Projects (2020) prepared by the Department of Planning and Environment, and is to include where relevant, but not limited to, the following:</p> <p>Details of:</p> <ul style="list-style-type: none"> • Hours of work; • 24-hour contact details of site manager; • Management of dust and odour; • Stormwater control and discharge; • Measures to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the site; • Any other specific environmental construction conditions/mitigation measures detailed in the REF; • Any requirements outlined in any relevant approvals, permits, licences or owners consents; and • Community consultation and complaints handling. • Aerial Site Plan showing the location of the works; • Construction Traffic and Pedestrian Management Plan; • Construction Noise and Vibration Management Plan; • Construction Waste Management Plan (including details on contaminated waste); • Construction Air Quality and Dust Management Plan; • Construction Soil and Water Management Plan; • Flood Management Plan; • Tree Protection Plan; • Demolition Work Plan; • Aboriginal/Non-Aboriginal Heritage Management Plan(s); • Unexpected finds protocol for Aboriginal and non-Aboriginal heritage; • Unexpected finds protocol for contamination; • Emergency Management Plan; and • Training of responsibilities/heritage site inductions under the National Parks and Wildlife Act 1975, Heritage Act 1977 and any other relevant legislation, as relevant to the works. <p>The following general conditions/mitigation measures are to be included in the CEMP:</p>	Prior to construction

ID	Measure	Timing
	<ul style="list-style-type: none"> Construction site fencing is to be installed around the construction site. Construction vehicle and pedestrian access points to the construction site are to be clearly designated, signposted and controlled for authorised access only. The use and storage of hazardous materials and dangerous goods, including petroleum, distillate and other chemicals, shall be in accordance with the relevant legislation including, but not limited to: <ul style="list-style-type: none"> <i>Protection of the Environment Operations Act 1997</i>; <i>Work Health and Safety Regulation 2017</i>; AS 1940:2017 The Storage and Handling of Flammable and Combustible Liquids; and Safe Work NSW Code of Practice – Managing Risks of Hazardous Chemicals in the Workplace. All materials must be wholly contained within the construction site. The requirements of the Protection of the Environment Operations Act 1997 are to be complied with when placing and stockpiling construction and waste materials, when disposing of waste products and during any other works likely to pollute drains or watercourses. Building operations such as brick cutting, mixing mortar and the washing of tools, paint brushes, form-work and concrete trucks shall be undertaken in the construction site in a location so as to prevent air, land or water pollution. All equipment and machinery shall be secured to prevent against vandalism outside of construction hours. A spill containment kit will be available at all times. All personnel will be made aware of the location of the kit and trained in its effective deployment. No batching plant is permitted on the site. A copy of the approved and certified plans, specifications and documentation shall be kept on site at all times and shall be available for perusal by any authorised officer of Council. All contractors must meet all workplace safety legislation and requirements. No vehicle maintenance is permitted in the construction areas except in emergencies. 	
G15	<p>The Construction Noise and Vibration Management Plan to be included in the CEMP required is to include (not limited to) the following conditions/mitigation measures:</p> <ul style="list-style-type: none"> All works will be in accordance with AS 2436-2010: Guide to Noise and Vibration Control on Construction, Demolition and Maintenance Sites; Building contractors are to implement the requirements of the Office of Environment Interim Construction Noise Guideline (July 2009) as far as practicable; Construction is to be carried out in accordance with the National Construction Code deemed-to-satisfy provisions with respect to noise transmission; All reasonable, practicable steps are to be undertaken to reduce noise and vibration from the site; Plant and equipment are to be maintained, checked and calibrated in accordance with the appropriate design 	Prior to construction

ID	Measure	Timing
	<p>requirements and to ensure that maximum sound power levels are not exceeded;</p> <ul style="list-style-type: none"> • Plant and equipment (where possible) are to be strategically positioned on site to reduce the emission of noise from the site to the surrounding area, users of the site and on site personnel; • Unnecessary noise is to be avoided when carrying out manual operations and operating plant; and • Any equipment not used for extended periods is to be switched off. • Additional project-specific mitigation measures are also to be included, as required. 	
G16	<p>The Construction Waste Management Plan to be included in the CEMP is to be prepared in accordance with the Department of Environment and Climate Change (DECC) Waste Classification Guidelines (2008) and the <i>Protection of the Environment Operations Act 1997</i> and include (not limited to) the following conditions/mitigation measures:</p> <ul style="list-style-type: none"> • The work site is to be left tidy and rubbish free each day prior to leaving the site and at the completion of the works; • Non-recyclable waste and containers are to be regularly collected and disposed of at a licensed waste disposal site. Frequency of collection should be identified and records maintained; • No burning or burying of waste is permitted on the site; • Any bulk garbage bins delivered by authorised waste contractors are to be placed and kept within the site boundary; • No materials will be used in a manner that will pose a risk to public safety and waste generated from the works will be recycled wherever possible; • All loose material stockpiles are to be stored within the temporary construction compounds and are to be protected from possible erosion; • Unnecessary resource consumption will be avoided; • All soils and materials (liquid and solid) to be removed from the site must be analysed and classified by an appropriately qualified consultant in accordance with the <i>Protection of the Environment Operations (Waste) Regulation 2014</i> and related guidelines, in particular the NSW EPA Waste Classification Guidelines, prior to offsite disposal; and • All waste must be disposed of at an appropriately licensed waste facility suitable for the specific waste. Receipts for the disposal of the waste must be submitted to the SINSW Project Director within 14 days of the waste being disposed. • Additional project-specific conditions/mitigation measures are also to be included, as required. 	Prior to construction
G17	<p>The Construction Air Quality and Dust Management Plan to be included in the CEMP is to include (not limited to) the following conditions/mitigation measures:</p> <ul style="list-style-type: none"> • Spraying of paint and other materials with the potential to become air borne is only to be undertaken on days with still or light wind conditions to prevent drift; 	Prior to construction

ID	Measure	Timing
	<ul style="list-style-type: none"> • No burning of materials is permitted; • Dust generated during construction works is to be controlled to avoid impact on surrounding properties; • All necessary maintenance for construction vehicles and equipment is to be undertaken during the construction period/approved work hours; • Excessive use of vehicles and powered construction equipment is to be avoided; • Exposed areas are to be progressively revegetated as soon as practical; • Vehicle wash down areas are to be established on-site to ensure all mud and soil from construction vehicles is not carried onto public roads; • All vehicles involved in any excavation and/or demolition and departing the site with demolition materials, spoil or loose matter must have their loads fully covered before entering the public roadway; and • Vehicles, machinery and equipment will be maintained in accordance with manufacturer's specifications and meet the requirements of the <i>Protection of the Environment Operations Act 1997</i> and associated regulations. • Additional project-specific conditions/mitigation measures are also to be included, as required. 	
G18	<p>The undertaking of any construction work, including the entry and exiting of construction and delivery vehicles at the site, is restricted to the following standard work hours:</p> <ul style="list-style-type: none"> • Monday to Friday inclusive: Between 7.00am to 6.00pm; • Saturday: Between 8.00am to 1.00pm; and • Sunday and Public Holidays: No work permitted. <p>Provided noise levels do not exceed the existing background noise level plus 5dB, works may also be undertaken during the following additional work hours:</p> <ul style="list-style-type: none"> • Mondays to Friday inclusive: Between 6:00pm to 7:00pm; and • Saturday: Between 1:00pm to 4:00pm. <p>Construction work may be undertaken outside of the standard and additional work hours outlined above, but only if notification has been given to the occupiers of any land within a minimum of 80 metres of the site boundaries before undertaking the work or as soon as is practical afterwards, and only if it is strictly required:</p> <ul style="list-style-type: none"> • By the police or a public authority for the delivery of vehicles, plant or materials; or • In an emergency to avoid the loss of life, damage to property or to prevent environmental harm; or • Where the works are completely inaudible at the nearest sensitive receiver. 	During construction
G19	<p>To minimise loss of amenity, blasting is not permitted and the use of any rock excavation machinery, mechanical pile drivers or the like is restricted to the following hours:</p> <ul style="list-style-type: none"> • Monday to Friday inclusive: 9:00am to 12:00pm; • Monday to Friday inclusive: 2:00pm to 5:00pm; and • Saturday: 9:00am to 12:00pm. 	During construction

ID	Measure	Timing
G20	Should any groundwater be encountered during construction works, works are to cease immediately. Where groundwater needs to be removed, an approval will be required under the <i>Water Management Act 2000</i> . This will require an application for a water supply works approval to be submitted to the NSW Natural Resources Access Regulator (NRAR) for assessment and determination. Council is to be contacted to determine the appropriate measures for the management and disposal of the groundwater.	During construction
G21	Remediation of known contaminated land is to be carried out in accordance with the requirements of the Remediation Action Plan (RAP) approved as part of the REF dated 30/01/25. Amendments to the approved RAP required as a result of further investigations must be prepared by a suitably qualified contamination consultant. Any amendments to the approved contamination reports are to be provided to the engaged NSW EPA-Accredited Site Auditor for review and approval. Following completion of the remediation works, a Site Remediation and Validation Report is to be submitted to the relevant SINSW Project Director and the Crown Certifier. A notice of completion of remediation work must also be given to Council within 30 days of completion of the work in accordance with Section 4.14 and Section 4.15 of <i>State Environmental Planning Policy (Resilience and Hazards) 2021</i> .	During construction
G22	During construction works, should any contamination information or contaminants be identified which have the potential to alter previous site contamination assessments and recommendations, the relevant SINSW Project Manager must be immediately notified and works must cease in the location of the contamination. Works must not recommence until a suitably qualified contamination consultant has investigated the unexpected contamination and provided recommendations for the necessary remedial work required to render the site suitable for the activity. Following completion of the remediation, a Site Remediation and Validation Report is to be submitted to a NSW EPA-Accredited Site Auditor to confirm site suitability. A copy of the Site Remediation and Validation Report is also to be provided to the relevant SINSW Project Director and the Crown Certifier. A notice of completion of remediation work must also be given in accordance with Section 4.14 and Section 4.15 of <i>State Environmental Planning Policy (Resilience and Hazards) 2021</i> .	During construction
Traffic, Access and Parking		
<i>Cycling and Public Transport</i>		
TT1	Provide bicycle parking (34 spaces)	Construction
TT2	Provide 1x end-of-trip facility for staff	Construction
TT3	Provide bus bay (57m) on Rickard Road	Construction
TT4	School bus optimisation and route planning to suit the needs of Leppington HS students through ongoing engagement with TfNSW and the TWG relating to the Lepping Education Precinct.	Operations
<i>Vehicle Access</i>		
TT5	Provide internal site driveway and turn-around area to support kiss and drop, staff parking and service vehicle access	Construction
TT6	Limit the size of the vehicles entering the site to a 10.5m waste truck and 8.8m delivery truck	Construction

ID	Measure	Timing
<i>Road Safety</i>		
TT7	Provide “No Stopping” signage on the western and eastern side of Rickard Road	Construction
TT8	Provide concrete median in the middle of Rickard Road, in alignment with the site’s internal driveway entrance.	Construction
TT9	Provide painted line markings at internal site driveway	Construction
<i>Parking</i>		
TT10	Provide 75 on site parking spaces for staff.	Construction
TT11	Off-set school bell times with the Leppington Public School by at least 30 minutes	Operation
<i>Private Vehicles</i>		
TT12	Implement School Transport Plan measures, messages, initiatives and programs outlines in Appendix C of TIA. This includes adopting a carpooling scheme for students. The STP must be reviewed every 12 months and updated as required.	Operation
TT13	Implement Preliminary Construction Traffic Management Plan mitigation measures as outlined in Appendix B.	Construction
TT14	Provide gate at internal road driveway which will automatically open and close 30min before and after the kiss and drop period. Swipe access cards to be provided to staff for use outside these times.	Construction
TT15	“No through-road” signage is to be provided at the entrance to the driveway.	Operation
Noise and Vibration		
<i>Working Hours</i>		
NV1	The project will be constructed during the following hours: Monday to Friday: 7am to 6pm. Saturday: 8am to 1pm. Sundays and Public Holidays: No excavation or construction works.	Construction
NV2	High noise level works such as piling and excavation will not be undertaken during shoulder periods (7-8am and 5-6pm).	Construction
<i>Plant and equipment</i>		
NV3	Acoustic assessment of mechanical plant shall continue during the detailed design phase of the project to confirm any noise control measures to achieve the relevant noise criteria at the nearest noise sensitive receivers.	Detailed Design
NV4	Strategically locate and select mechanical plant to ensure the cumulative noise levels at the receiver boundaries are met.	Pre-Construction, Construction
NV5	Acoustic noise control measures to be put in place to minimise noise impacts such as: <ul style="list-style-type: none"> • In-duct attenuation. • Noise enclosures as required. • Sound absorptive panels. • Acoustic louvres as required. • Noise barriers as required. 	Pre-Construction, Construction

ID	Measure	Timing
NV6	Use quieter techniques for all high noise activities such as rock breaking, concrete sawing, and using power and pneumatic tools.	Construction
NV7	Use quieter plant and equipment based on the optimal power and size to most efficiently perform the required tasks.	Construction
NV8	Select plant and equipment with low vibration generation characteristics.	Construction
NV9	Operate plant in a quietest and most effective manner.	Construction
NV10	Limit the operating noise of equipment.	Construction
NV11	Regularly inspect and maintain plant and equipment to minimise noise and vibration levels to ensure that all noise and vibration reduction devices are operating effectively.	Construction
NV12	Strategically locate and select mechanical plant to ensure the cumulative noise levels at the receiver boundaries are met.	Construction
NV13	Acoustic noise control measures to be put in place to minimise noise impacts such as: <ul style="list-style-type: none"> • In-duct attenuation. • Noise enclosures as required. • Sound absorptive panels. • Acoustic louvres as required. • Noise barriers as required. 	Construction
NV14	Acoustic assessment of mechanical plant shall continue during the detailed design phase of the project to confirm any noise control measures to achieve the relevant noise criteria at the nearest noise sensitive receivers.	Construction
<i>On-site</i>		
NV15	Maximise the distance between noisy activities and noise sensitive receivers. Strategically locate equipment and plant.	Construction
NV16	Undertake noisy fabrication work off-site where possible.	Construction
NV17	Avoid the use of reversing beeping alarms or provide for alternative systems, such as broadband reversing alarms.	Construction
NV18	Maintain any pre-existing barriers or walls on a demolition or excavation site as long as possible to provide optimum noise control.	Construction
NV19	Construct barriers that are part of the project design early in the project to mitigate site noise.	Pre-Construction
NV20	Use temporary site building and material stockpiles as noise barriers.	Construction
NV21	Install purpose-built noise barriers, acoustic sheds and enclosures.	Construction
<i>Work scheduling</i>		
NV22	Provide respite periods, including restricting very noisy activities to daytime (7am to 6pm), restricting the number of nights that after-hours work is conducted near residences, or by determining any specific requirements, particularly those needed for noise sensitive receivers.	Pre-Construction, Construction
NV23	Schedule activities to minimise impacts by undertaking all possible work during hours that will least adversely affect sensitive receivers and by avoiding conflicts with other scheduled events.	Pre-Construction

ID	Measure	Timing
NV24	Schedule work to coincide with non-sensitive periods, to reduce impact on sensitive periods including school examinations.	Pre-Construction
NV25	Schedule noisy activities to coincide with high levels of neighbourhood noise (including any surrounding construction noise) so that noise from the activities is partially masked and not as intrusive.	Pre-Construction
NV26	Plan deliveries and access to the site to occur quietly and efficiently and organise parking only within designated areas located away from sensitive receivers.	Pre-Construction
NV27	Optimise the number of deliveries to the site by amalgamating loads where possible and scheduling arrivals within designated hours.	Pre-Construction
NV28	Designate, design and maintain access routes to the site to minimise impacts.	Pre-Construction
NV29	Include contract conditions that include penalties for non-compliance with reasonable instructions by the principal to minimise noise or arrange suitable scheduling.	Pre-Construction
<i>Consultation, notification and complaints</i>		
NV30	Provide information to neighbours before and during construction.	Pre-Construction, Construction
NV31	Maintain good communication between the community and Project staff.	All stages
NV32	Have a documented complaints process and keep register of any complaints.	All stages
NV33	Give complaints a fair hearing and provide for a quick response.	All stages
NV34	Implement all feasible and reasonable measures to address the source of complaint.	All stages
NV35	Implementation of all reasonable and feasible mitigation measures for all works will ensure that any adverse noise impacts to surrounding receivers are minimised when noise goals cannot be met due to safety or space constraints.	All stages
<i>Exceedances</i>		
NV36	Implement equipment-specific screening or other noise control measures recommended in Appendix C of AS 2436:2010.	Pre-Construction
NV37	Limit the number of trucks on site at the commencement of site activities to the minimum required by the loading facilities on site.	Construction
NV38	When loading trucks, adopt best practice noise management strategies to avoid materials being dropped from height into dump trucks.	Construction
NV39	Avoid unnecessary idling of trucks and equipment.	Construction
NV40	Ensure that any miscellaneous equipment (extraction fans, hand tools, etc) not specifically identified in this plan incorporates silencing/shielding equipment as required to meet the noise criteria.	Construction
<i>Public address and bell system</i>		
NV40	Low-powered horn-type speakers shall be located and orientated to provide a good coverage of the school areas whilst being directly away from residences and near sensitive receivers. System	Operation

ID	Measure	Timing
	coverage shall be reviewed during the detailed design phase.	
NV41	Speakers shall be mounted with a downward angle and as close to the floor as possible.	Operation
NV42	The noise level of the systems shall be adjusted on site so they will be clearly audible on the school site without being excessive. The systems shall initially be set so that the noise at nearby residences and sensitive receivers do not exceed noise level criteria.	Operation
NV43	Once the appropriate noise level has been determined on site, the systems shall be limited to these noise levels so that staff cannot increase the noise levels.	Operation
NV44	The systems shall be set so that it only occurs on school days.	Operation
Contamination and Hazardous Materials		
<i>Manage known and potential soil contamination</i>		
CON1	<p>Prepare and implement a RAP to remediate known areas of contamination. This would include:</p> <ul style="list-style-type: none"> Obtain approvals, set up site controls, site management as per the RAP and implement unexpected finds protocols Demolish structures/utilities – including removal of all hazardous building materials from structures that require demolition in accordance with relevant regulations and codes along with adequate assessment and clearance prior to demolition Excavate and manage contaminated material, including soil management, material tracking and validation sampling. Validate imported soil suitability Prepare validation report Develop and apply a Long Term Environmental Management Plan if any soils are encapsulated on site. 	Prior to commencement of any construction work
Historic heritage		
<i>Unexpected finds procedure</i>		
HH1	<p>An unexpected finds procedure to be developed for the project if relics are uncovered. This document should be prepared by a qualified archaeologist.</p> <p>Should any human remains be located during the proposed activity:</p> <ul style="list-style-type: none"> All excavation in the immediate vicinity shall cease immediately. The NSW police be informed as soon as possible. 	Prior to commencement and during any construction work
<i>Development near Leppington Public School</i>		
HH2	<p>If future development plans change and involve constructing structures along the northern boundary of the site, potential indirect impacts on LPS should be reassessed.</p> <p>While Clause 5.7 of the Camden Growth Centre Precincts DCP – Schedule 2 Leppington Major Centre Precinct 2017 is not relevant to the project it should be used as a guiding principle for development activities adjacent to classroom buildings. These weatherboard buildings are of moderate heritage significance and the rural setting in which the buildings are currently in is linked to their significance as cultural landmarks in the area.</p>	All stages

ID	Measure	Timing
Aboriginal Heritage		
<i>Unexpected finds procedure</i>		
ABH1	<p>Before any there is any ground disturbance all workers and contractors will be briefed of their responsibilities regarding any Indigenous archaeological deposits and/or objects that may be located during construction.</p> <p>Should any Aboriginal archaeological deposits/objects be located during construction:</p> <ul style="list-style-type: none"> • All excavation in the vicinity of any objects and/or deposits shall cease immediately and the area secured. • Department of Education's Heritage Team is to be notified of the deposits or objects. • A suitably qualified archaeologist should be notified so the significance of the deposits or objects can be evaluated and presented in a report and the study area recorded as an archaeological site. • Heritage NSW should be notified if the objects and or deposits are determined to be of Aboriginal significance. • The archaeological deposits or objects shall be subject to fulfilment of the relevant legislative requirements particularly section 90 of the NPW Act 1974 (as amended). <p>Should any human remains be located during the proposed activity:</p> <ul style="list-style-type: none"> • All excavation in the immediate vicinity of any objects of deposits shall cease immediately. • The NSW police and Heritage NSW Enviroline be informed as soon as possible. • If it has been established that the human remains are Aboriginal ancestral remains, Heritage NSW and the relevant Registered Aboriginal Parties will identify the appropriate course of action. 	Prior to commencement and during any construction work
<i>Project lifecycle</i>		
ABH2	Consultation with the registered Aboriginal stakeholders should continue throughout the duration of the planning, construction and operation of activities at the site. Registered Aboriginal Parties will be emailed every 6 months about the works to maintain this process.	All stages
Hydrology, flooding and water quality		
<i>Erosion and Sediment Control</i>		
WA1	Implement measures as documented generally in accordance with NSW Department of Planning, Housing and Infrastructure's Managing Urban Stormwater and the Sediment and Erosion Control Plan submitted with this REF.	Pre-Construction
<i>Drainage design</i>		
WA2	Ensure drainage provisions for the site are designed in accordance with consultant plans and reports.	Pre-Construction, Detailed Design
<i>Water sensitive urban design</i>		
WA4	Provide permanent water quality treatment measures as part of water-sensitive urban design, as documented in the Civil Engineering Design Report and Civil Engineering Drawings.	Following the removal of temporary water quality (erosion and sediment control)

ID	Measure	Timing
		measures.
Flood Emergency Response Plan		
WA5	A final site specific FERP is to be prepared to incorporate the final design details of the activity and is to be generally in accordance with the Draft FERP.	Pre-Construction, Detailed Design
WA6	Update the FERP following the detailed design stage and prior to the site becoming operational to include confirmation of estimated flood depths, onset time and time of flood inundation time over the surrounding roads for evacuation (i.e. based on Council's flood model from the 2022 Review Study).	Pre-Construction, Detailed Design
WA7	Implement the requirements of the FERP	Operation
WA8	Delegate staff responsibilities so all staff are aware of their specific roles and associated flood response actions.	Operation
WA9	All staff and students will be made aware and advised of the flood risks present on site and the flood protocols & procedures during inductions during onboarding and annually at the start of each calendar year.	Operation
WA10	A flood drill must be held by staff annually to ensure all staff workers and students are familiar with the sound of the alert and their subsequent flood response actions.	Operation
WA11	A flood emergency kit must be prepared prior to a flood event taking place and regularly checked to ensure that supplies within the kit are sufficient and in working condition.	Operation
WA12	Flood warning sign and depth marker can be implemented (by Council in consultation with Council) on Rickard Road near the intersection with Ingleburn Road.	Operation
WA13	Staff and parents must be notified (i.e. via SMS or equivalent communication tool) at the earliest opportunity upon BOM issuing severe weather warning for the area to inform the closure of the school.	Operation
WA14	Staff, students and people present at the school during a flood event must be notified and guided to the appropriate building areas identified in the FERP within the school to shelter-in-place. The site manager is to ensure that no one is present outdoors within the boundary of the school.	Operation
Ecology and arboriculture		
<i>Biodiversity</i>		
ECO1	Inspect all trees for hollows and nests and have an ecologist present during tree removal works. If fauna is discovered an ecologist may be required to remove and relocate any fauna if the tree or vegetation is to be removed.	Pre-construction
ECO2	If a threatened species is recorded on the site all works should be put on hold until further instruction from the Project Manager as advised by an ecologist.	Pre-construction
ECO3	Construction activities should be scheduled outside of the Grey-headed Flying Fox's breeding season (January through to end of April) if the species is recorded on the site	Pre-construction
ECO4	Plan the works so that night works and works around dusk and dawn can be avoided during the breeding season of the Grey-headed Flying-fox (January-April).	Pre-construction

ID	Measure	Timing
ECO5	Preserve key habitat features for Grey-headed Flying-fox such as flowering native trees and planted citrus trees to maintain essential feeding resources.	Pre-construction
ECO6	Establish buffer zones around known foraging areas for Grey-headed Flying-fox to reduce disturbance.	Pre-construction
ECO7	Regular monitoring of the site should be conducted to ensure that mitigation measures to protect Grey-headed Flying-fox are effective and to adjust them as necessary.	Pre-construction
ECO8	A Tree Management Plan (TMP) must be developed and implemented. This plan should be prepared by a Consulting Arborist with a minimum qualification of AQF Level 5.	Pre-construction
ECO9	Outline protocols for any necessary pruning or removal of trees. All tree works must be performed by qualified tree workers (minimum AQF Level 2) under the supervision of the Consulting Arborist, adhering to the NSW Workcover Code of Practice for the Amenity Tree Industry (1998).	Pre-construction
ECO10	Tree protection must be approved by a Consulting Arborist AQF Level 5 within a Tree Protection Plan (TPP). No materials, mixing, parking, disposal, repairs, refuelling, fires, stockpiling, or backfilling is allowed near remaining trees. Removal or lopping of trees needs written permission from the Superintendent.	Pre-construction
ECO11	All trees to be protected shall be clearly identified and all TPZs and SPZ surveyed.	Pre-construction
ECO12	Protective fencing around existing trees and within TPZs must be installed before any site work begins. The fence must be 1800mm high chain wire mesh fixed to Galvanised steel posts, enclosing an area to prevent damage as defined in the Tree Protection Plan. No storage inside fenced area.	Pre-construction
ECO13	Use AS 4454 leaf mulch with 90% recycled content for tree protection fencing. Chip trees marked for removal and use mulch 100mm deep. Avoid soil, weeds, sticks, and stones. Comply with AS 4454 (1999) and AS 4419 (1998).	Pre-construction
ECO14	Tree protection signage must be attached to tree protection zones before works begin. Signs should be displayed prominently and repeated at 10m intervals or closer when the fence changes direction. Signs must include information about the tree protection zone, access restrictions, developer's contact details, and Site Arborist information.	Pre-construction
ECO15	Induction of all contractors and staff outlining the ecological sensitivity of the site, no-go areas, the need to minimise ecological impact, and all other required mitigation measures is to be undertaken.	Pre-construction
ECO16	The Consulting Arborist will conduct regular site inspections to monitor the health and stability of retained trees, ensuring compliance with the TMP. Any signs of stress or damage will be promptly addressed with appropriate remedial actions.	Pre-construction
ECO17	Water testing is to be undertaken prior to dewatering the dam. If harmful levels of contamination or other are detected, the water should be suitably treated prior to release.	Pre-construction
ECO18	The water should be released in a manner that does not cause erosion or other negative environmental impacts, e.g. by using holding ponds or otherwise slowing down the flow of the released	Pre-construction

ID	Measure	Timing
	water.	
ECO19	No harm to flora or fauna should occur from the dewatering process.	Pre-construction
ECO20	A Dewatering Management Plan should be prepared and a dewatering permit obtained prior to undertaking the dewatering.	Pre-construction
ECO21	A project arborist (conforms to the AS 4970) is required to be nominated before works start, and they are to be provided with all related site documents.	Pre-construction
ECO7	All trees recommended for retention must have removed all dead, diseased, and crossing limbs and branch stubs to be pruned to the branch collar.	Pre-construction
ECO23	Tree retention/removal Trees No. 3, and 8-27 – Consideration in association with the tree owner for retention of these trees based on high significance. Consent from tree owner.	Pre-construction
ECO24	Tree retention/removal Trees No. 2, 3, and 8-27 – These trees will require confirmation and consent from Camden Council for removal.	Pre-construction
ECO25	Retention of trees No. 1, and 4-6 – Pending feedback from Camden Council regarding the future viability of these trees. Based on the outcome, mitigation at the time of work is required. This requires feedback from the project arborist.	Pre-construction
ECO26	Retain trees No. 111, 112, 114, 123, and 125	Pre-construction
ECO27	Retention/removal of trees; Area E – Area E requires access to assess trees and determine the viability of retention during site works. This requires feedback from the project arborist.	Pre-construction
ECO28	Tree Protection Zones (TPZs) will be maintained around vegetation to be retained. TPZs will be maintained in accordance with Australian Standard 4970 (2009) Protection of Trees on Development Sites (AS-4970). No activities are to take place within the Structural Root Zones (SRZs) of mature trees. No works, stockpiling of materials, excavation, parking or any other potentially harmful activities will be undertaken within TPZs unless a Level 5 Arborist has provided confirmation that the works will not impact the tree.	Construction
ECO29	No pedestrian or plant access is permissible to the TPZ.	Construction
ECO30	Avoid storing bulk or harmful materials near trees. Keep spoil from excavations away from TPZs. Ensure wind-blown materials like cement don't harm trees. Contaminants stored properly with spill measures.	Construction
ECO31	Protect the tree from harm. Avoid tying ropes, cables, or similar items to trees. No staff members, plant, machinery, or materials can enter the tree protection fencing.	Construction
ECO32	Do not fill or compact soil above tree roots enclosed by protection fencing during construction near trees. Guidelines must be followed to prevent soil compaction in these areas. Protection includes using elevated planks attached to scaffolding to prevent ground compression.	Construction
ECO33	Trenching is not allowed in TPZs or tree protection fencing. Approval needed for trenching must be done by hand with arborist	Construction

ID	Measure	Timing
	supervision.	
ECO34	Contractors are to ensure plants are watered. Apply water at an appropriate rate suitable for the plant species during periods of little or no rainfall.	Construction
ECO35	All site facilities must be located outside of TPZ. Chemicals and contaminants must be stored properly in an enclosed area with a spill bund to prevent runoff in case of accidents.	Construction
ECO36	Basic hygiene protocols must be implemented for construction personnel and machinery on site to reduce the potential for invasion by plant pathogens including <i>Phytophthora cinnamomi</i> , the fungus myrtle rust <i>Uredo rangelli</i> and amphibian chytrid fungus.	Construction
ECO37	The Consulting Arborist will conduct regular site inspections on a monthly basis (or at the start and end if the duration is shorter than a month) to monitor the health and stability of retained trees, ensuring compliance with the TMP. Any signs of stress or damage will be promptly addressed with appropriate remedial actions.	Construction
ECO38	Upon completion of the construction activities, a final health assessment of all retained trees is to be conducted to document any changes in condition. The Consulting Arborist is to provide a detailed report with recommendations for any ongoing care or additional mitigation measures needed to support the long-term health of the trees.	Construction
ECO39	Work-related to demolition/construction, (e.g. stockpiling, site sheds, and scaffolding) shall avoid the TPZs. Any activity within a TPZ must be authorised and conditioned by the project arborist.	Construction
ECO40	Plant advanced specimens of the same species in groups.	Construction
ECO41	Plant advanced specimens of the same species in areas that offer visual/noise screening.	Construction
Waste Generation		
<i>Waste reduction, recycling and reuse</i>		
WAS1	Reuse and recycle opportunities are to be utilised wherever possible.	All stages
WAS2	Encourage practices that reduce waste generation at the source, such as using fewer materials or opting for less packaging. This also includes reuse and recycling opportunities as outlined in Table 2 of the CDWMP.	Construction
WAS3	Implement recycling programs to recover valuable materials from waste.	Construction and operations
WAS4	Ensure proper management and disposal of all waste streams in accordance with the CDWMP dated 31/01/25.	Construction
<i>Waste containment and disposal</i>		
WAS5	Construction waste must be contained and secured wholly onsite. At the completion of the works, the work site is left clear of waste and debris.	Construction
WAS6	Waste disposal records – monthly reports Information in relation to the storage, treatment, and disposal of waste will be recorded in accordance with EPA requirements (Amount and type of waste, Name and licence plate number of the transporter, Date of transportation, Name and location of the	Construction

ID	Measure	Timing
	receiving waste facility, the approved waste facility, Transport Certificates as required) The EPA will be informed of any suspected breaches in the POEO Act with respect to transportation of waste.	
<i>Construction requirements</i>		
WAS7	Design should comply with to section 12 “Construction Requirements” of the OMP dated 20/01/25 (Rev F).	Construction
<i>Waste vehicles and collection</i>		
WAS8	Provide adequate space between the waste area and the works area during construction to allow waste vehicles to entire the site in a safe, forward-facing manner. All vehicles entering or leaving the site must have their loads covered. All vehicles, before leaving the site must be cleaned of dirt, sand and other materials, to avoid tracking these materials onto public roads.	Construction
WAS9	Schools must use “NSW Contract 9698 agreement” for waste collection services. This contract is mandatory and covers waste management services (bins, collection, transport, processing, treatment and disposal). Waste streams include general waste, organic, grease trap, recycling, secure destruction and clinical.	Operation
WAS10	Waste vehicle access to be in accordance with the Traffic Impact Assessment dated 23/01/25 (Rev G) and the OWMP dated 20/01/25 (Rev F). Loading bay design is approved by a Traffic Consultant.	Operations
<i>Handling asbestos and hazardous materials</i>		
WAS11	Consult with SafeWork NSW concerning the handling of any asbestos waste that may be encountered during construction. The requirements of the Protection of the Environment Operations (Waste) Regulation 2014 with particular reference to Part 7 – ‘Transportation and management of asbestos waste’ must also be complied with. Ensure that the removal of hazardous materials, particularly the method of containment and control of emission of fibres to the air, and disposal at an approved waste disposal facility is in accordance with the requirements of the relevant legislation, codes, standards and guidelines.	Construction
<i>Noise management</i>		
WAS12	To manage noise levels, collection of waste from the construction site will only occur during hours approved for construction work.	Construction
<i>Protecting flora and fauna</i>		
WAS13	Ensure that concrete waste and rinse water are not disposed of on the site and are prevented from entering any natural or artificial watercourse. Enforce ‘carry-in, carry-out’ policy regarding rubbish and waste materials generated on-site during construction to avoid waste materials entering adjacent vegetation. Restriction of public access and associated impacts from domestic pets, waste dumping and damage to adjoining vegetation must be enforced pre, during and post construction.	Construction
<i>Safe disposal methods</i>		

ID	Measure	Timing
WAS14	Ensure proper management and disposal of all waste streams. Ensure that OH&S requirements for waste contractors are met.	Operations
<i>Bin moving paths</i>		
WAS15	Design must comply with section 10 “Bin Moving Paths” of the OMP dated 20/01/25 (Rev F).	Operations
<i>Pollution prevention</i>		
WAS16	School management to comply with Section 8 “Pollution Prevention” and section 9 “Bin Washing” of the OMP dated 20/01/25 (Rev F).	Operations
<i>Work cover</i>		
WAS17	Ensure access to waste storage pad is convenient to all users and complies with WorkCover NSW.	Operations
<i>Operational specifics</i>		
WAS18	Ban single use plastic items from school canteen (e.g. straws, cups, plastic cutlery to be replaced with wooden forks/spoons). Install hand driers instead of paper towels holders.	Operations
<i>Education</i>		
WAS19	Conduct campaigns to inform the school community about proper waste disposal and the benefits of reducing waste.	Construction and Operation
<i>Policy and regulation compliance, monitoring and reporting</i>		
WAS20	Implement data collection and reporting systems for waste management activities.	Construction and Operation
WAS21	Regularly review and update waste management plans on an annual basis to comply with environmental regulations.	Construction and operation
Ecologically Sustainable Development		
<i>Formal Green Star Certification / Green Star Buildings v1 / 5 Star</i>		
ESD1	Prior to construction, a comprehensive sustainability strategy must be implemented and address the requirements of the Green Star Buildings framework.	Pre-construction
<i>Passive design</i>		
ESD2	The final building design must achieve high levels of daylight and natural ventilation in accordance with the requirements of the Green Star Buildings framework.	Pre-construction
<i>Reduction in energy demand</i>		
ESD3	The following strategies must be incorporated: <ul style="list-style-type: none"> Air Conditioning systems must utilise push-buttons with a run-on timer for activation and de-activation of the air-conditioning in all spaces. LED lighting fixtures must be provided with Passive Infrared Occupancy sensors. Sub-meters must be provided for monitoring and preparing targeted approach for future optimisation 	Pre-construction
<i>Minimise potable water consumption</i>		
ESD4	Certified WELS rated water fixtures to reduce wastage of water must be utilised.	Construction

ID	Measure	Timing
	Rainwater tanks (2x20kL each) must be installed for enabling rainwater harvesting, to reduce the load on potable water demand.	
<i>Embodied Reporting</i>		
ESD5	Must implement environmentally friendly materials and responsible procurement to reduce the stress on virgin materials. Must divert 90% of the construction waste from landfill.	Construction
ESD6	Potential waste streams that would occur during the operational stage must be identified, and a 'reduce-reuse-recycle' strategy must be implemented.	Operation
<i>On-site renewable energy generation</i>		
ESD7	A 99kW Photovoltaic system must be incorporated in the design.	Operation
<i>Formal Green Star Certification / Green Star Buildings v1 / 5 Star</i>		
ESD8	For operations, meter, measure and monitor the building performance to address the requirements from Green Star Buildings framework, which is representative of an Industry Best-practice outcome.	Operation
Bushfire		
BF1	Manage the site as an Inner Protection Area Standards to the specifications detailed in Appendix 4 of PBP.	All stages
BF2	Construct buildings to BAL 19	Detailed Design, Construction
BF3	Design and manage landscaping in accordance with Appendix 4 of PBP.	Detailed Design, Construction
BF4	Design and construct the internal access in accordance with the Acceptable Solutions listed within Table 6.4b of PBP.	Detailed Design, Construction
BF5	Design and install fire hydrants in accordance with AS2419:2021	Detailed Design, Construction
BF6	Electricity supply is to be located underground.	Detailed Design, Construction
BF7	Install and maintain gas services in accordance with AS/NZS 1596:2014.	Detailed Design, Construction
BF8	Prepare a Bushfire Emergency Management and Evacuation Plan in accordance with the NSW Rural Fire Service document "A Guide to Developing a Bushfire Emergency Management and Evacuation Plan (RFS 2014).	Prior to occupation
Soils and Geology		
SG1	Undertake earthworks with adequate care and control if structures and pavements are to be supported on the fill.	Construction
SG2	All water-softened material to be removed prior to backfilling and the backfill placed in accordance with the earthworks specification in the geotechnical report.	Prior to placement of any new fill in the affected areas
SG3	Compact clay at close to its optimum moisture content and ensure it is not over compacted as this will increase the risk of swelling of the clays. Adequate drainage is to be provided during earthworks so the exposed clays do not become moisture affected.	Construction
SG4	Extremely weathered claystone is to be treated in a similar manner to residual clay in accordance with the requirements in the geotechnical report.	Construction

ID	Measure	Timing
SG5	Low California bearing ratio values were measured for the residual silty clay which requires the adoption of thick pavements and subgrade treatment in accordance with the geotechnical report. Any anomalies are to be confirmed with the geotechnical consultant.	Construction
SG6	The design of foundations must consider the potential for bands of weaker material to be present at depth.	Detailed Design, Construction
SG7	Class II or better bedrock is present below the footprints of the three main buildings (Buildings A to C). Based on the detailed geotechnical investigations there is sufficient information to adopt this stratum for the design of foundations for these three buildings. Adopting these parameters will require inspection during drilling of all piles. In-situ testing of piles designed to found in Class II or better bedrock could also be completed during construction to allow the adoption of a higher geotechnical reduction factor where ultimate limit state values are adopted.	Detailed Design, Construction
Air Quality		
AQ1	Activities to be assessed during adverse weather conditions and modified as required (e.g. cease activity where reasonable levels of dust cannot be maintained using the available means).	Construction
AQ2	Weather forecast to be checked prior to material handling and excavation.	Construction
AQ3	Engines of on site vehicles and plant to be switched off when not in use.	Construction
AQ4	Vehicles and plant are to be fitted with pollution reduction devices where practicable.	Construction
AQ5	Vehicles are to be maintained and serviced according to manufacturer's specifications.	Construction
AQ6	Visual monitoring of activities is to be undertaken to identify dust generation.	Construction
<i>Exposed areas/ stockpiles</i>		
AQ7	The extent of exposed surfaces and stockpiles is to be kept to a minimum.	Construction
AQ8	Exposed areas and stockpiles are either to be covered or are to be dampened with water as far as is practicable if dust emissions are visible, or there is potential for dust emissions outside operating hours.	Construction
<i>Material handling</i>		
AQ9	Reduce drop heights from loading and handling equipment where practical.	Construction
AQ10	Dampen material when excessively dusty during handling.	Construction
<i>Hauling</i>		
AQ11	Spills on trafficked areas to be cleaned immediately.	Construction
AQ12	Vehicle traffic is to be restricted to designated routes.	Construction
AQ13	Co-ordinate the delivery schedule to avoid a queue of incoming or outgoing trucks that will be idling for extended periods of time.	Construction
AQ14	Vehicle loads are to be covered when travelling off-site.	Construction

ID	Measure	Timing
AQ15	Public roads near the site to be inspected for sediment weekly and cleaned as required.	Construction