

Appendix 1 – Mitigation Measures

Austral Public School Upgrades

1. Mitigation Measures

Table 1: Mitigation Measures and Recommendations

ID	Measure	Timing
General		
G1	These Mitigation Measures do not remove the obligation to obtain all other licences, permits, approvals and consents as required under any other legislation.	General
G2	All works must comply with the relevant Australian Standards.	All stages
G3	A Crown Certificate under Section 6.28 of the <i>Environmental Planning and Assessment Act 1979</i> must be obtained for any Crown building work.	Prior to construction
G4	Landowners consent must be obtained in writing from the relevant landowner or authority.	Prior to construction
G5	All relevant personnel, including contractors and their subcontractors must be made aware of these mitigation measures and the requirement to undertake the works as outlined in this document.	Prior to and during construction
G6	The relevant Department of Education Project Director must be notified as soon as practical when any non-compliance with a mitigation measure is identified. The notification should identify the relevant works, set out the 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
G7	Any demolition work must be undertaken in accordance with the provisions of Australian Standard AS 2601-2001 The Demolition of Structures.	General
G8	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
G9	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 be kept and provided on request.	Prior to construction
G10	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: <ul style="list-style-type: none"> Assesses how the mitigation measures under each Part of 	During construction and operation

ID	Measure	Timing
	<p>the determination are being satisfied;</p> <ul style="list-style-type: none"> • Outlines the adequacy of any documents required under the 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 Department of Education Project Director.</p>	
G11	<p>The Department of Education’s Post Approval and Compliance Team, the relevant local Council and the occupiers of any land within 20 metres of the site boundary must be notified in writing of the project. The notice must outline the works to be undertaken, the expected timing for commencement of, and completion of construction works. A minimum period of 48 hours notification prior to the commencement of any construction work must be given.</p>	Prior to construction
G12	<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
G13	<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 Department of Education Project Director and reviewed to determine whether issues relating to the complaint can be resolved, avoided or minimised. A response approved by the relevant Department of Education 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
G14	<p>Prior to commencement of any construction work, contact “Dial Before You Dig on 1100” to obtain a Service Diagram. The sequence number obtained from “Dial Before You Dig” is to be provided to the Department of Education Project Director.</p>	Prior to construction
G15	<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>	Prior to construction

ID	Measure	Timing
	<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 mitigation measures are to be included in the CEMP:</p> <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 	

ID	Measure	Timing
	<p>when placing and stockpiling construction and waste materials, when disposing of waste products and during any other works likely to pollute drains or watercourses.</p> <ul style="list-style-type: none"> • 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. • The NSW State Emergency Service is to be notified where construction traffic causes significant disruptions to local roads. 	
G16	<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 requirements and to ensure that maximum sound power levels are not exceeded; • 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; 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, as outlined in the Noise and Vibration Impact Assessment prepared by JHA, dated 3 February 2025. 	Prior to construction
G17	<p>The Construction Waste Management Plan to be included in the CEMP is to be prepared in accordance with the NSW Environment Protection Authority's Waste Classification</p>	Prior to construction

ID	Measure	Timing
	<p>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 Department of Education Project Director within 14 days of the waste being disposed. • Additional project-specific conditions/mitigation measures are also to be included, as required. 	
<p>G18</p>	<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; • 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 	<p>Prior to construction</p>

ID	Measure	Timing
	<p>and departing the site with demolition materials, spoil or loose matter must have their loads fully covered before entering the public roadway; and</p> <ul style="list-style-type: none"> • 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. 	
G19	<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
G20	<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
G21	<p>Any amendments to the approved RAP are to be undertaken by a suitably qualified contamination consultant. Following completion of the remediation works, a Site Remediation and Validation Report is to be submitted to the relevant Department of Education 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>.</p>	During construction
G22	<p>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</p>	during construction

ID	Measure	Timing
	and determination. Council is to be contacted to determine the appropriate measures for the management and disposal of the groundwater.	
Traffic, Access and Parking		
<i>Temporary pedestrian crossing</i>		
TT1	The temporary raised pedestrian crossing at Edmondson Avenue / Tenth Avenue is to be delivered. It is to comprise a modular rubber product and installed with appropriate tactile ground surface indicators on the approaches.	Prior to operation
<i>School Transport Plan</i>		
TT2	Prior to commencement of operations, a School Transport Plan (STP) must be prepared to the satisfaction of the NSW Department of Education (DoE) Transport Planning team. Any existing STP is to be reviewed and updated if necessary to reflect the impacts of the REF works, to the satisfaction of the DoE Transport Planning team.	Prior to operation and during operation
<i>Staff vehicle parking and bicycle parking</i>		
TT3	A total of 57 staff car parking spaces and 100 bicycle/scooter parking spaces (7 spaces for staff and 93 spaces for students) are to be provided for staff within the school boundary.	Prior to operation of carpark
<i>Kiss and Drop</i>		
TT4	Formal kiss and drop areas are to be provided in the locations shown within the documentation supporting the REF. This is to include a total of 2 bays within the school for pre-school and support learning unit and 17 bays on Edmondson Avenue and Tenth Avenue (with an associated footpath extension).	Prior to operation
<i>Bus Services</i>		
TT5	Prior to and during the operation of the activity, the department is to continue to engage with TfNSW and Council to ensure the bus service amendments are made-	Prior to and during operation
<i>Footpaths</i>		
TT6	New footpaths, road kerb, and designated Kiss and Drop signage shall be provided along the southern side of Tenth Avenue, extending to the end of the Kiss and Drop zone as indicated in the Public Domain Works Site Plan.. The works must be completed prior to the occupation or operation of the expanded school facilities.	Prior to operation
Preliminary Construction Traffic Management		
<i>Construction public transport guide</i>		
TT7	Workers arriving by car are to be encouraged to use public transport options and be provided information on various accessibility options available including the public transport options that connect to the site.	During construction
<i>Footpath condition surveys</i>		
TT8	Prior to and during construction, dilapidation surveys are to be carried out to monitor the changes to footpath conditions to ensure footpaths continue to meet required standards.	Prior to and during construction
<i>Traffic management and engineering controls</i>		
TT9	Traffic management controls are to be adopted to manage	During construction

ID	Measure	Timing
	safety and interruption to pedestrians, vehicles and cyclists at the entrance to the site.	
<i>Construction and demolition waste management notifications</i>		
TT10	Waste and contamination are to be managed by the contractor, consolidated on site and notified to the RMS Traffic Management Centre so that the waste vehicle transportation route from the site is planned prior to the commencement of waste and contaminated material removal.	During construction
School Transport Plan		
TT11	A dedicated Transport Plan Coordinator (TPC) is to undertake observational surveys to obtain data on pedestrian, cycling and scooting use to support the travel survey. The TPC is to also conduct site visits to evaluate the school's transport system and flag issues.	During operation
TT12	New staff are to be provided with information on alternate modes of transport to reduce use of private vehicles. This information is to be made available upon the commencement of their employment and include details on public transport options, carpooling, cycling, and walking routes. The information must be easily accessible and regularly updated to ensure staff are aware of sustainable travel option	During operation
TT13	A Transport Access Guide (TAG) is to be prepared to track changes to bus routes and service times. This information is to be used to maintain awareness of public transport options and operations. Staff, parents and students are to be made aware of any such changes through relevant updates to the TAG and STP.	During operation
TT14	The Department of Education is to encourage the school to participate programs to promote active travel. Hosting programs such as 'Walk to Work Day', 'Walk Safely to School', 'Walking School Bus', and 'September'.	During operation
TT15	The school is to ensure staff, parents and students are regularly made aware of public transport options. This is to include provision of information for students to evaluate suitable bus routes and engage with bus timetables in convenient spaces.	During operation
TT16	The carpooling initiatives outlined in the STP, such as provision of online services or forums to facilitate ease of finding carpooling scheme participants, are to be encouraged by the school and communicated to staff and parents. The school is to liaise with staff to discuss the feasibility of a parking management scheme which would discourage the use of single occupant car travel to the site while incentivising employees to travel by alternative modes of transport.	During operation
<i>Consultation</i>		
TT17	Further consultation with Liverpool City Council is to occur regarding the public domain works plan during the detailed design stage.	Prior to construction
Noise and Vibration		
Construction Noise and Vibration Management Plan (CNVMP)		
NV1	A CNVMP is to be prepared prior to works commencing on the site.	Prior to construction

ID	Measure	Timing
	<p>The CNVMP is to include the following 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 requirements and to ensure that maximum sound power levels are not exceeded; • 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. <p>Additional project-specific mitigation measures are also to be included, as required, in accordance with the Noise and Vibration Impact Assessment.</p>	
<i>Working Hours</i>		
NV2	High noise generating works such as piling and excavation are not to be undertaken during shoulder periods (7-8am and 5-6pm).	During construction
<i>Plant and equipment</i>		
NV3	Prior to the commencement of the relevant stage of works, an acoustic assessment of mechanical plant is to be undertaken by a suitably qualified acoustic consultant 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.	Prior to construction
NV4	Prior to the commencement of the relevant stage of works, the detailed design process is to ensure mechanical plant is selected and strategically located to ensure the cumulative noise levels at the receiver boundaries are met.	Prior to construction
NV5	<p>Acoustic noise control measures are to be implemented during site works to minimise noise impacts, in accordance with the Construction Noise and Vibration Management Plan which is to be prepared in accordance with measure NV1. These include (but not limited to):</p> <ul style="list-style-type: none"> • In-duct attenuation. • Noise enclosures as required. • Sound absorptive panels. • Acoustic louvres as required. • Noise barriers as required. 	During construction

ID	Measure	Timing
NV6	Site works contractors are to use quieter techniques for all high noise activities such as rock breaking, concrete sawing, and when using power and pneumatic tools.	During construction
NV7	Site works contractors are to use quieter plant and equipment based on the optimal power and size to most efficiently perform the required tasks.	During construction
NV8	Plant and equipment with low vibration generation characteristics is to be prioritised during selection.	During construction
NV9	Noise from plant and equipment is to be minimised and is to be operated in the quietest and most effective manner.	During construction
NV10	The site works contractor is to 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.	During construction
NV11	No night-time operation (10pm to 7am) of the external mechanical plant is to be allowed.	During operation
<i>On-site</i>		
NV12	Noisy fabrication work is to be undertaken off-site where possible.	During construction
NV13	The site works contractor is to avoid the use of reversing beeping alarms or provide for alternative systems, such as broadband reversing alarms.	During construction
NV14	The site works contractor is to maintain any pre-existing barriers or walls on a demolition or excavation site as long as possible to provide optimum noise control.	During construction
NV15	The site works contractor is to install/construct barriers that are part of the project design early in the construction of the project to mitigate site noise.	During construction
NV16	The site works contractor is to use temporary site building and material stockpiles as noise barriers.	During construction
<i>Work scheduling</i>		
NV17	Respite periods are to be provided, 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.	During construction
NV18	Activities are to be scheduled 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.	During construction
NV19	Work is to be scheduled to coincide with non-sensitive periods, to reduce impact on sensitive periods including school examinations.	During construction
NV20	Noisy activities are to be scheduled 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.	During construction
NV21	Deliveries and access to the site are to be scheduled/organised to occur quietly and efficiently. Parking is to only be undertaken in the relevant designated areas located away from sensitive receivers.	During construction

ID	Measure	Timing
NV22	The number of deliveries to the site is to be optimised by amalgamating loads where possible and scheduling arrivals within designated hours.	During construction
NV23	Access routes to the site are to be designated, designed and maintained to minimise impacts.	During construction
<i>Consultation, notification and complaints</i>		
NV24	Maintain good communication between the community, construction staff and the school community. This is to include providing regular updates on construction works before and during construction to all key stakeholders in both the school and broader community.	All stages
NV25	A documented complaints process is to be established and included in the CEMP. A register of complaints is to be kept on record. The complaints process is to ensure complaints are provided a fair consideration and a quick response. All feasible and reasonable measures are to be implemented to address the source of complaint.	All stages
<i>Exceedances</i>		
NV26	The site contractor is to implement equipment-specific screening or other noise control measures recommended in Appendix C of AS 2436:2010.	During construction
NV27	The site contractor is to limit the number of trucks on site at the commencement of site activities to the minimum required by the loading facilities on site.	During construction
NV28	When loading trucks, best practice noise management strategies are to be adopted to avoid materials being dropped from height into dump trucks. Unnecessary idling of trucks and equipment is to be avoided.	During construction
NV29	The site contractor is to ensure that any miscellaneous equipment (extraction fans, hand tools, etc) not specifically identified in the CNVMP incorporates silencing/shielding equipment as required to meet the noise criteria.	During construction
<i>Public address and bell system</i>		
NV30	Prior to the commencement of the relevant stage of works an acoustic assessment of the public address and school bell systems shall continue during the detailed design phase of the project in order to confirm any noise control measures required to achieve the relevant noise criteria at the nearest noise sensitive receivers. Any such noise control measures are required to be implemented during operation	Prior to construction and during operation
NV31	Low-powered horn-type speakers are to be located and orientated to provide a good coverage of the school areas whilst being directly away from residences and near sensitive receivers. System coverage shall be reviewed during the detailed design phase.	Prior to construction, during construction and operation
NV32	Speakers are to be mounted with a downward angle and as close to the floor as possible.	During construction and prior to operation
NV33	The noise level of the systems is to 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	During construction and prior to operation

ID	Measure	Timing
	noise level criteria.	
NV34	Once the appropriate noise level has been determined on site, the systems are to be limited to these noise levels so that staff cannot increase the noise levels.	During operation
NV35	The systems are to be set so that the bell occurs on school days.	During operation
<i>Carpark</i>		
NV36	A noise barrier in the form of a 2.1 metre Colourbond fence is to be constructed to the south of the carpark.	Prior to operation of carpark
<i>Waste Collection</i>		
NV37	Waste collection and servicing is to be carried out during daytime hours (between 7am – 6pm).	During operation
NV38	Waste collection and servicing is to be carried out within the boundaries of the school.	During operation
Contamination and Hazardous Materials		
<i>Detailed Site Investigation</i>		
CON1	<p>The department is to continue to liaise with Council and the RFS on the remediation of PFAS on the site. The department is to obtain confirmation from those agencies that the site has been remediated from PFAS prior to the commencement of any works within the area suspected to have PFAS containing material on site.</p> <p>The department is also to develop a monitoring programme to determine the extent of the PFAS and whether the area to be remediated needs to be extended.</p>	During construction
CON2	The Department's Site-Specific Asbestos Management Plan and Asbestos Management Protocols must be strictly followed and updated for any asbestos remediation that may be required and undertaken as identified in the fill immediately surrounding TP08.	During construction
CON3	During construction, prior to disturbance of the areas suspected to contain Asbestos, as indicated in the DSI and RAP, a further assessment must be conducted to determine the degree and extent of asbestos contamination.	During Construction
CON4	The septic system must be upgraded to prevent future overflows, with a further assessment conducted prior to or as part of the upgrade as part of the proposed activity.	Prior to commencement of operations
CON5	All personnel involved in earthworks on-site must be inducted on identifying potential unexpected finds. This induction must be included as part of the general site induction and refreshed periodically during toolbox meetings.	During construction
CON6	<p>If unexpected contamination or aesthetically unacceptable material is encountered on-site, work must cease in the affected area. The area must be isolated to minimise disturbance to the affected soils. The subcontractors, environmental consultant, and Principal Contractor must be notified immediately. The environmental consultant must inspect the find as soon as practicable to determine if emergency services are required and recommend interim actions to mitigate potential health and safety risks.</p> <p>Note: aesthetically unacceptable material refers to substances</p>	During construction

ID	Measure	Timing
	that are not contaminated and do not pose a risk to human health or the environment but would be considered visually undesirable if present or reused in accessible areas during redevelopment, such as at the ground surface. These materials may include inert construction or demolition debris like concrete, brick, asphalt, and certain forms of asbestos, as well as lead-paint residues. Other examples are soils containing a high percentage of ash or slag (typically more than 5-10% of the soil volume), heavy staining, malodours, or sheens on surface waters, all of which could negatively impact the visual appeal of the site.	
CON7	All hazardous building materials must be removed from structures requiring demolition in compliance with relevant regulations and codes. Adequate assessment and clearance must be conducted prior to demolition.	During demolition/ construction
<i>Remedial Action Plan</i>		
CON8	If an unacceptable risk is identified, an addendum to the Remediation Action Plan (RAP) must be prepared. If no unacceptable risk is identified, the results must be documented in the validation report.	During construction
CON9	Prior to the disturbance of the relevant area, a supplementary investigation must be conducted to assess the potential human health risk associated with the septic tank overflow, as noted anecdotally in the Detailed Site Investigation (DSI).	During construction
CON10	Prior to any disturbance of the relevant area a further investigation must be conducted in the vicinity of TP08, where high potential for asbestos contamination has been identified in the DSI, to determine whether it poses unacceptable risks during the proposed upgrade works without appropriate mitigation, considering the ongoing use of the site as a school. The assessment must be documented in a standalone report.	During construction
Historic heritage		
<i>Heritage Impact Statement</i>		
HH1	All work is to be undertaken in accordance with the recommendations of the Heritage Impact Statement	All stages
<i>Unexpected finds procedure</i>		
HH2	An unexpected finds procedure is to be incorporated into the construction environmental management plan (CEMP). If unexpected finds are unearthed any time during the project, work will cease, and an archaeologist will be called to assess the find. Should significant relics be identified, external approvals to impact the relics may be required.	Prior to construction
Aboriginal Heritage		
<i>Preliminary Indigenous Heritage Assessment and Impact</i>		
ABH1	All work is to be undertaken in accordance with the recommendations of the Preliminary Indigenous Heritage Assessment and Impact.	All stages
ABH2	All relevant staff and contractors are to be made aware of their statutory obligations for heritage under the National Parks and Wildlife Act 1974, which may be implemented as a heritage	Prior to construction

ID	Measure	Timing
	induction.	
<i>Unexpected finds procedure</i>		
ABH3	If any Aboriginal objects, sites or places (or potential Aboriginal objects, site or places), are uncovered in the course of the activity, work in the vicinity must cease, and Heritage NSW, and Gandangara LALC be contacted for advice.	During construction
<i>Unexpected Aboriginal human remains</i>		
ABH4	If suspected human remains are discovered and/or harmed in, on or under the land within the Project Area, the following actions must be undertaken: <ul style="list-style-type: none"> • The remains must not be harmed/further harmed • Immediately cease all works at that particular location and secure the area to avoid harm. • Notify the NSW Police and the Environment Line. • Do not recommence any work at the particular location unless authorized in writing by Heritage NSW or Department of Planning and Environment. 	During construction
Detailed Design		
ABH5	Ongoing consultation is to be undertaken with the relevant Aboriginal Education Consultative Group during the detailed design process.	All stages
Hydrology, flooding and water quality		
<i>Stormwater</i>		
HYD1	The new learning hub building shall be constructed so that the ground floor level is above the 1% AEP and the PMF. The Flood Impact Assessment Report confirms that the current design ground floor level of 82.00 is above the 1% AEP and the PMF.	Prior to construction
<i>Flooding</i>		
HYD2	Additional hydraulic modelling is to be undertaken considering the detailed design surface prior to construction of works to ensure no change in the outcomes of the modelling undertaken to support the REF.	Prior to construction
HYD3	Prior to the commencement of operation of the upgrades at the school, a flood emergency management plan (FERP) will be prepared to clearly communicate areas of potential hazard and the flood emergency response strategy. This FERP will include details on the movement of people and vehicles throughout the site. It is recommended that the flood emergency management plan is prepared with SES consultation and considers regional evacuation management plans.	Prior to operation
Ecology and arboriculture		
<i>Biodiversity</i>		
ECO1	Large trees that are greater than or equal to 50 cm diameter at breast height (excluding noxious weeds) are to be retained where possible and tree-protection measures will be applied for all retained vegetation. This will provide ongoing roosting and foraging opportunities for fauna.	During construction
ECO2	If a koala is identified during works, operations must cease until the appropriate authorities have been contacted and a	During construction

ID	Measure	Timing
	tree-felling protocol is implemented and a translocation plan is established, as required.	
ECO3	Vehicles, machinery, equipment and boots are to be free of mud, vegetation, and soil prior to entering and exiting the site.	During construction
ECO4	If microbats, grey-headed flying fox camps or bird-of-prey nests are located in the site area, works are to cease until appropriate measures have been taken to remove the threat to populations and/or nests, or they are safely translocated.	During construction
ECO5	A preconstruction survey and weed management program is to be prepared to limit the potential spread of invasive plant species.	Prior to demolition/ construction
<i>Arborist</i>		
ECO6	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.	Prior to construction
ECO7	A Tree Management Plan (Arboricultural Method Statement) is to be prepared and issued to the entity responsible for the demolition/construction.	Prior to construction
ECO8	Site induction: All workers must be briefed about the conditions outlined in Tree Management Plan before the initiation of work. This is required as part of the site induction process.	Prior to construction
ECO9	Installation of tree protection measures is to be undertaken as per the Tree Management Plan (Arboricultural Method Statement).	Prior to construction
ECO10	Trees are to be identified and marked for removal to prevent incorrect tree removal.	Prior to construction
ECO11	Native wildlife habitats are required to be identified to avoid injury to animals.	During Construction
ECO12	Tree No's. 1, 4-7, and 134 are to be retained and protected.	During construction
ECO13	Any activity within a TPZ must be authorised and conditioned by the project arborist.	During construction
ECO14	Work-related to demolition/construction is required to avoid any TPZs. Any encroachments, if unavoidable, are to be authorised by the Project Arborist.	During construction
Waste Generation – Demolition and Construction		
<i>Waste and servicing arrangements - Waste removal</i>		
WAS1	Any vehicle removing waste is to be properly covered before leaving the site. It is a requirement of the WMP that all mud, splatter and/or dust to be removed from the vehicle before leaving the site.	During construction
<i>Waste and servicing arrangements – waste minimisation and waste reuse and recycling</i>		
WAS2	Construction waste is to be minimised by accurately calculating materials brought to the site and limiting materials packaging.	During construction
WAS3	The site contractor is to take practical measures to prevent waste generation where possible and maximise separations of recyclable where possible.	During construction

ID	Measure	Timing
WAS4	The site contractor is to be responsible for the safe and effective management of the construction and demolition sites, from securing waste storage areas, engaging appropriate contractors and correct bin signage and monitoring.	During construction
<i>Waste, including hazardous waste</i>		
WAS5	Prior to commencing any demolition works on the site, an updated hazardous materials (asbestos) register must be completed. The existing register is a non-destructive survey to be used as a guide. If there is any doubt, then an intrusive survey and additional sample collections and analysis is to be organised via the use of the DoE hygienist panel. If hazardous waste or special waste is encountered it must be removed/encapsulated under controlled conditions prior to the commencement of any demolition/construction work in accordance with the relevant legislation, codes of practice, and Australian Standards.	During Construction
<i>Environmental problems of waste during and after construction (left over construction materials, and personnel waste)</i>		
WAS6	General construction and demolition wastes, and personnel waste from site offices, is to be collected for off-site recycling wherever practicable.	During construction
<i>Proximity to waste transfer depots or landfill sites</i>		
WAS7	Nearest transfer depots and/or landfill sites are identified in the Waste Management Plan.	During construction
Waste Generation – Operational		
<i>Manage, reuse, recycle and safely dispose of waste</i>		
WAS8	All waste (General Waste, Paper & Cardboard and Mixed Recycling) is to be disposed by students and staff into the appropriate bins in the public areas which will then be transferred by maintenance staff to the waste storage area on a daily basis.	During operation
<i>Waste and servicing arrangements – waste minimisation and waste reuse and recycling</i>		
WAS9	School staff/cleaners are to ensure that bins and the waste storage area remain clean, tidy and free of odour.	During operation
WAS10	The bin collection point and collection schedule must be maintained in a manner that ensures the safety of both Liverpool City Council waste collectors and students.	During operation
<i>Whether the activity will have adverse environmental impacts</i>		
WAS11	School staff/cleaners are to undertake monitoring of all bins on a regular basis to ensure capacity and collection frequency is adequate to minimise/eliminate overfilling, littering, pollution, etc.	During operation
<i>Environmental problems of waste transport and disposal of waste, ongoing use, and eventual decommission of the activity</i>		
WAS12	All waste collection transport and disposal activities are to be conducted by the appointed waste contractor currently engaged under the Whole of Government Waste Management and Resource Recovery Agreement. The agreement stipulates transporters and receivers will be required to comply with the Protection of the Environment Operations (Waste) Regulation 2014.	During operation

ID	Measure	Timing
WAS13	All waste is to be assessed, classified, managed, transported, and disposed of in accordance with the Waste Classification Guidelines (NSW EPA 2014).	During operation
Bushfire		
<i>Asset Protection zone</i>		
BF1	A 'Bushfire Emergency Management and Evacuation Plan' is to be prepared prior to occupation of new schools for closure at Catastrophic fire weather.	Prior to operation
BF2	The site is to be managed to the Inner Protection Area Standards to the specifications detailed in Appendix 4 of PBP in perpetuity.	During construction and operation
BF3	Buildings are to be built to BAL Low – no construction requirement in accordance with the Australian Standard for Construction of Buildings in Bushfire Prone Areas 2018.	During construction
BF4	The external (within the site) and internal (within the buildings) fire hydrants are to be designed and installed in accordance with AS2419:2021 requirements.	Prior to and during construction
BF5	Electricity supply is to be located underground, and gas services (if installed) are to be installed and maintained in accordance with AS/NZS 1596:2014.	During construction and operation
Soils and Geology		
<i>Geotechnical</i>		
GEO1	All excavation work must be carried out in accordance with the SafeWork NSW publications.	During construction
GEO2	Geotechnical Units 1 and 2 (as defined in the Geotechnical Interpretive Report prepared by WSP, dated 13 February 2025, which states that Unit 1 is topsoil and Unit 2 is fill) will be removed off site and/or stripped and stockpiled for reuse as landscaping (non-engineered) material, as appropriate.	During construction
GEO3	During construction, inspection by a suitable qualified geotechnical engineer or engineering geologist is to be sought to verify the geotechnical conditions across the site, to identify any localised zones of poor or unsuitable material.	During construction
GEO4	The engaged contractor is to examine the engineering logs to make an assessment of the required excavation plant and production rates prior to breaking ground.	During construction
GEO5	Off-site disposal of waste spoil is to be classified in accordance with the NSW EPA Classification Guidelines - Engineered fill used as replacement material or to support shallow building footings is to be placed, compacted, and testing under Level 1 supervision in general accordance with AS 3798 Guidelines on earthworks for commercial and residential developments.	During construction
GEO6	All excavations (deeper than 1.5m) shall be observed by a geotechnical engineer.	During construction
GEO7	Prior to the commencement of the relevant staging of works a suitably qualified structural engineer will investigate and design foundation options which will depend on the structural loading and the ability of the structure to accommodate movement. Options which should be considered include pad footings, engineered fill and piled foundations.	Prior to construction

ID	Measure	Timing
GEO8	Prior to ground disturbance, a visual inspection will be undertaken to identify areas that potentially contain saline soils. Areas where evidence of salting is observed or recorded will be subject to further testing as required. If salinity is confirmed, excavated soils will be managed in accordance with Book 4 Dryland Salinity: Productive use of Saline Land and Water to prevent impacts from salinity.	Prior to construction
Services		
SER1	A new sewer septic tank and pump-out system must be installed on the site, with adequate space allocated for future expansion of the tank. However, this required shall not be applicable should a Sydney Water sewer connection become available.	Prior to operations
SER2	Sufficient space must be allocated for a potential fire water storage tank to support firefighting requirements.	During construction
SER3	A Section 73 certificate and building plan approval application will be submitted to Sydney Water for the change to water supply at the site.	Prior to operations
SER4	Prior to the commencement of the relevant stage of works that it relates to, a Wastewater Report is to be prepared and considered as part of the design finalisation.	Prior to construction
SER5	Prior to the commencement of the relevant stage of works that it relates to, the department is to liaise with Sydney Water to confirm that there is sufficient water capacity to accommodate the proposed works. If Sydney Water identifies that there is not sufficient capacity, the department is to continue to work with Sydney Water to ensure adequate capacity is provided (through new or upgraded infrastructure) and reflected in the final design prior to construction.	Prior to construction
Gas Pipeline		
GP1	A school emergency plan is to be prepared and is to include details of evacuation to a safe location in the event of a gas release from the pipeline and fire. The plan must include pipeline rupture as a scenario and develop an appropriate emergency assembly area within the school (inside or outside), to prevent the potential for injuries from people exposed to radiated heat flux in the open.	Prior to operation
Air Quality		
AQ1	The contractor shall implement effective dust control measures must be implemented effective dust control measures to prevent airborne dust from spreading beyond the site boundary during all phases of construction and demolition. These measures must include regular water spraying, especially during dry and windy conditions, to minimize dust generation. Dust-producing activities such as cutting, grinding, and excavation must be controlled by using water sprays or dust extraction systems. Stockpiles of materials, including soil, sand, and demolition debris, must be covered or treated with a dust suppressant. Unpaved surfaces, access roads, and staging areas must be dampened or stabilized to reduce dust.	During construction