



planning consultants

APPENDIX I

Mitigation Measures Table for Review of Environmental Factors
New High School for Jordan Springs

Prepared for: Department of Education
April 2025

1 Purpose of Document

The purpose of this document is to outline the mitigation measures arising from the environmental assessments that are to be imposed in relation to the carrying out of a staged activity, as relevant, for a Review of Environmental Factors (REF) under Part 5 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) where the Department of Education (DoE) is the proponent.

Department of Education will also impose other standard mitigation measures that apply to all DoE activities.

The mitigation measures are required to be imposed to ensure that activities approved under Part 5 are undertaken in accordance with the approved plans and supporting documentation and in a manner that eliminates, minimises and/or manages the environmental impacts of the activity. The mitigation measures imposed must be proportionate to the activity approved.

This document contains three (3) sections, detailing the general mitigation measures for Stages 1 and 2.

Stage 2 is broken down into temporary works and permanent works, based on the delivery of the parts of Armoury Road, Park Edge Road and Lasseter Street that adjoin the site boundary and the delivery of an offsite detention basin. The Crown Certifier will need to issue certificates as required.

2 Mitigation Measures – All Stages

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
General		
GE-1	These Mitigation Measures do not remove the obligation to obtain all other licences, permits, approvals and consents as required under any other legislation	Throughout
GE-2	All works must comply with the relevant Australian Standards	Throughout
GE-3	A Crown Certificate under Section 6.28 of the Environmental Planning and Assessment Act 1979 must be obtained for any Crown building work for each stage.	Prior to the commencement of construction
GE-4	Land owners consent must be obtained in writing from the relevant authority.	Prior to the commencement of construction
GE-5	All relevant personnel, including contractors and their subcontractors must be made aware of these Mitigation Measures and the requirement to undertake the activity as per these Mitigation Measures.	Throughout
GE-6	DoE'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 works must be given.	Prior to the commencement of construction
GE-7	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: A) 24-hour contact person for the site; B) Telephone and email addresses; C) Site works and timeframes; and D) Details of where accessible project information can be sourced.	Prior to the commencement of construction
GE-8	A risk-based program of independent audits must be prepared for the work, having regard to the 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: a) Assesses how the Mitigation Measures are being satisfied; a) Outlines the adequacy of any documents required under the Mitigation Measures; b) Outlines the performance of the works with respect to any impacts on the surrounding environment including the local community; and c) Recommends any measures or actions to improve the performance of the works, if deemed required.	Throughout

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
	The independent audit program is to be provided to the relevant DoE Project Lead and DoE Post Approval and Compliance Team for agreement.	
GE-9	The Independent Audit reports of the works must be carried out in accordance with the approved audit program. Each Independent Audit is to be provided to the relevant DoE Project Lead and DoE Post Approval and Compliance Team in line with the audit program.	Throughout
GE-10	The relevant Project Lead and DoE's Post Approval and Compliance Team 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-complaint 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.	Throughout
GE-11	Any demolition work must be undertaken in accordance with the provisions of <i>Australian Standard AS 2601-2001 The Demolition of Structures</i> .	During Construction
GE-12	A Construction Environmental Management Plan (CEMP) is to be prepared and implemented having regard to the Environmental Management Guidelines for Construction Procurement (Edition 4), and is to include where relevant, but not limited to, the following: a) Details of: i. Hours of work; ii. 24-hour contact details of site manager; iii. Management of dust and odour; iv. Stormwater control and discharge; v. Measures to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the site; vi. Any other specific environmental construction Mitigation Measures detailed in the REF; vii. Any requirements outlined in any relevant approvals, permits, licences or owners consents; and viii. Community consultation and complaints handling in line with DoE's Stakeholder and Community Participation Plan. b) Aerial Site Plan showing the location of the works; c) The following: i. Construction Traffic and Pedestrian Management; ii. Construction Worker Transport Strategy iii. Construction Noise and Vibration Management; iv. Construction Waste Management (including details on contaminated waste); v. Construction Air Quality and Dust Management;	Prior to commencement of Construction of each stage

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
	vi. Construction Soil and Water Management; vii. Construction Flood Management; viii. Aboriginal/Non-Aboriginal Heritage Management; and ix. Demolition Work Plan d) Construction Tree Protection Plan; e) Erosion and Sediment Control Plan; f) Unexpected finds protocol for Aboriginal and non-Aboriginal heritage; g) Unexpected finds protocol for contamination; h) Construction Emergency Management Plan; Training of responsibilities/heritage site inductions under the <i>National Parks and Wildlife Act 1975, Heritage Act 1977</i> and any other relevant legislation, as relevant to the works.	
GE-13	The school is not be operational until Stage 1 and Stage 2 (with either temporary or permanent work) are completed to ensure at the time of operation all of the facilities and amenities are provided to the school community.	Prio to Operation
GE-14	Should an unexploded ordinance be encountered a stop work order shall be implemented until further investigation has been undertaken	During Construction
GE-15	Signage is not to be illuminated between the hours of 8pm and 7am.	During Operation
GE-16	Student numbers are not to exceed 1,000 until the external works by others is completed and operational.	During Operation
Geotechnical		
GEO-1	Managing potential Acid Sulfate Soils - Preparation of an Acid Sulfate Soil Management Plan (ASSMP) for inclusion in the CEMP and implementation during construction, considerate of the findings of the investigation, supplementary data may be required depending on the design parameters.	Prior to the commencement of construction During construction
GEO-2	Water quality management – Undertake quarterly groundwater level and quality monitoring to provide an understanding of baseline conditions. Considerations of surface water and groundwater properties (quality and levels) to inform the management requirements for construction	Prior to commencement of construction During Construction
GEO-3	Unexpected finds protocol - An unexpected finds protocol is to be incorporated into the contractors CEMP so that previously unidentified contamination is managed appropriately. Potential unexpected finds identified as data gaps are as follows: • Previously unidentified contaminated soil due to access constraints • Potential contamination and/or salinity risk associated with recently imported fill soils • Soils below existing hardstand, drainage channels, infrastructure and culverts	Prior to commencement of construction
GEO-4	Managing spoil proposed for offsite disposal and/or reuse - Any material being removed from site must be classified for off-site disposal in accordance the EPA (2014) Waste Classification Guidelines and/or an applicable NSW EPA Resource	During Construction (Prior to removal to an offsite licensed facility)

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
	Recovery Order. Any future classification must be considerate of the data and information provided in this document and other historical reports relating to contamination.	
GEO-5	Additional geotechnical testing - is required to be conducted by the main contractor to assess whether class 3 shale is being encountered prior to the confirmed embedment length.	Prior to commencement of construction
GEO-6	Subgrade preparation – Site preparation (including backfill of sediment basin) to be complete to the satisfaction of the geotechnical engineer	During construction
GEO-7	Soil aggressivity - The structural engineer should take the results of the soil aggressivity into consideration for the design of concrete Structures.	Prior to commencement of construction
GEO-8	Foundations - A deep foundation system should be adopted instead of a shallow foundation footing. Concrete bored piles or grouted injected CFA piles are recommended.	Prior to commencement of construction
GEO-9	Salinity Management – A Salinity Management Plan is required as per the Guidelines in the Department of Land Water Conservation NSW 2022 and is to be incorporated into the CEMP.	Prior to commencement of construction
GEO-10	Groundwater – Groundwater is not to be used for any purpose for the life of the activity unless otherwise approved by the relevant authority.	Throughout
Indigenous Heritage		
IH-1	All relevant staff and contractors should be made aware of their statutory obligations for heritage under the National Parks and Wildlife Act 1974, which may be implemented as a heritage induction	Prior to commence of Construction
IH-2	If any unexpected archaeological relic (or potential relic) of heritage significance is discovered during any construction work, all work in the vicinity must cease and the area must be appropriately protected. Materials should not be removed from the ground wherever possible. The DoE Heritage Team is to be notified and an archaeologist engaged to undertake a site inspection to ascertain whether the finds are significant relics. Construction works cannot recommence in that area until advised by the archaeologist, in consultation with the DoE Heritage Team. Should significant relics be identified, external approvals to impact the relics may be required.	During Construction
IH-3	In the unlikely event that skeletal remains are identified, work must cease immediately in the vicinity of the remains and the area must be cordoned off. The Proponent must contact the local NSW Police who will make an initial assessment as to whether the remains are part of a crime scene, or possible Aboriginal ancestral remains. If the remains are thought to be Aboriginal ancestral remains, Heritage NSW must be contacted by ringing the Enviroline 131 555. If the remains are identified as Aboriginal ancestral remains, a management plan must be developed in consultation with the relevant Aboriginal stakeholders before works recommence.	During Construction
Ecological		
E-1	If dewatering is required, water should be irrigated within the property boundaries or fed into an off-site permanent basin rather than discharged to the nearby South Creek.	Prior to the commencement of any construction works

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
E-2	Where applicable, decommissioning of existing OSD Basin should occur outside the breeding season (spring) of waterfowl). A qualified ecologist should inspect the OSD basin prior to decommissioning to check for active nests. If active nests are present decommissioning should be delayed until all birds have fledged.	Prior to decommissioning of OSD basin
E-3	Where applicable, a qualified ecologist should be present if necessary to ensure safe relocation of less mobile fauna such as frogs, turtles and eels to a safe location (e.g. South Creek).	During Decommissioning
E-4	If a threatened species is observed during decommissioning, works should cease until the project ecologist has assessed the mobility of the species or relocated the species to a safe location (e.g. South Creek). If the species cannot be relocated, works must not recommence until the species has moved on of its own volition.	During Decommissioning
E-5	Any street trees removed should be replaced with advanced trees, at least at a 1:1 ratio, and preferably locally endemic native species. Advanced trees are to be planted to increase canopy cover and provide shade/ reduce urban heat affects.	Following Construction
ESD		
ESD-1	Formal Green Star/ Green Star Buildings - A holistic approach to sustainability must be implemented, by addressing the requirements from Green Star Buildings framework, which is representative of an Industry Best-practice outcome.	During Design Prior to commencement of construction
ESD-2	Passive Design - The final building design must achieve high levels of daylight and natural ventilation.	During Design Prior to commencement of construction
ESD-3	Reduction in energy demand – The following strategies must be implemented: • Air Conditioning systems utilise pushbuttons with a run-on timer for activation and de-activation of the air-conditioning in all spaces. • LED lighting fixtures provided with Passive Infrared Occupancy sensors. • Sub-meters for significant energy use via BMS for monitoring and preparing targeted approach for future optimization.	During Design Prior to commencement of construction
ESD-4	On-site renewable energy generation - A 99kW Photovoltaic system must be incorporated in the design.	During Construction
ESD-5	Minimise potable water consumption - Certified WELS rated water fixtures to reduce wastage of water. Rainwater tanks (2x10kl each) must be installed to reduce the load on potable water demand.	During Construction
ESD-6	Embodied Reporting • Must implement environmentally friendly materials and responsible procurement to reduce the stress on virgin materials. • Must divert 90% of the construction waste from landfill	During Construction
ESD-7	Formal Green Star Certification / Green Star Buildings v1 / 5 Star	During operation

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
	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.	
ESD-8	Embodied Reporting Potential waste streams that would occur during the operational stage must be identified, and a 'reduce-reuse-recycle' strategy must be implemented.	During Operation
ESD-9	Green Star Building Certification Green Star Building certification must be obtained demonstrating that the activity achieves a minimum 5 star rating. Evidence of the certification must be provided to the DoE Sustainability Team. For enquiries on requirements please contact the DoE Sustainability Team on Sustainability.ESD@det.nsw.edu.au	Within 12 months of commencement of operations.
Bushfire		
BF-1	Asset Protection Zone - Asset protection is to comply with Table 4 of the Bushfire Hazard Assessment (BHA) and extent of the APZ is as per Figure 3 in the Asset Protection Letter. - Identified APZ Asset Protection Letter, dated 2 April 2025 is to be maintained in perpetuity or until surrounding land is developed to the specifications detailed in Appendix 4 of PBP. - The site is to be managed to Inner Protection Area Standards to the specifications detailed in Appendix 4 of PBP. - Compliance with Table 4 of the BHA	During Design During Construction During Operation
BF-2	Construction BAL - Prior to operation, DoE are to ensure the buildings are designed and constructed to the relevant NCC requirements including BAL-19 in accordance with AS 3959-2018 and additional ember provisions detailed in section 7.5 of PBP as required.	Prior to operation
BF-3	Landscaping - Landscaping will be designed and managed in accordance with Appendix 4 of PBP (Appendix 2).	Prior to the commencement of Construction During Construction During Operation
BF-4	Access – - Performance solution addresses PBP requirements. - The proposed internal roads (i.e. 'kiss and drop' and carpark and services access) are to comply with the Acceptable Solutions listed within Table 6.4b of Planning for Bush Fire Protection 2019.	During Design During Construction During Operation
BF-5	Services, water, Gas, Electricity – - Fire hydrants are provided in accordance with AS2419:2021 - Compliance with Table 5 of the BHA - Electricity supply located underground.	During Design During Construction During Operation
BF-6	Emergency Management Arrangements - A Bushfire Emergency Management and Evacuation Plan is to be prepared in accordance	Prior to operation

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
	with the NSW Rural Fire Service document 'A Guide to Developing a Bushfire Emergency Management and Evacuation Plan' (RFS 2014).	
Waste Management		
WM-1	Waste Reduction - Encourage practices that reduce waste generation at the source, such as using fewer materials or opting for less packaging.	During Construction During Operation
WM-2	Recycling and Reuse - Implement recycling programs to recover valuable materials from waste.	During Construction During Operation
WM-3	Hazardous waste management - Contaminated material stockpiled on site will be minimised as far as possible and should be stored on HDPE liner, in a bunded location which is protected from inclement weather; - Sediment fences should be installed around the base of stockpiles and the stockpiles should be covered. Where excavated material requires validations, samples should be taken for NATA laboratory testing as per the requirements of the contamination assessment prior to restoration works, backfilling exercises and disposal; - Any trucks carrying contaminated materials should be securely and completely covered immediately after loading the materials (to prevent windblown emissions and spillage) and must be licensed by the NSW Environmental Protection Authority (EPA); - Decontamination of all equipment prior to demobilisation from the site is important so that contaminated materials are not spread off-site.	During Construction
WM-4	Excavation waste management - Wherever practical, excavation material will be reused as part of the development; - Excavation material that is not natural (virgin) material will be transported to an approved landfill site or off-site recycling depot; - A waste classification assessment of the fill material should be undertaken prior to it being acceptable for waste disposal purposes; - Transportation routes for excavation material removed from site will be identified and used.	During Construction
WM-5	Training - Conduct site specific induction training regarding the procedures of waste management during demolition and construction phase of the activity	During Construction
WM-6	Safety and signage - Location should not interfere with sight lines of drivers entering or leaving the site; - Skip bins should be clearly visible and located in well-lit areas; - Safe paths of travel should be designated using reflective tape, barriers and cones; - Skip bins must be secured and must not be over-filled to reduce risk of injury through bins moving and falling objects.	During Construction
WM-7	Space and siting requirements - The waste storage area will be located adjacent to the entrance to the site to enable access and allow sufficient space for required skip bins and servicing requirements. The storage area will be flexible to cater for change of use throughout the demolition and construction works.	During Construction

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
WM-8	Servicing and Transport - All skip bins leaving the site will be covered with a suitable tarpaulin to reduce spillage of waste while in transit.	During Construction
WM-9	Education - Conduct campaigns to inform the community about proper waste disposal and the benefits of reducing waste.	During Construction During Operation
WM-10	Education - It is recommended that the school investigates programs to teach students about recycling and resource recovery.	During Operation
WM-11	Safe disposal methods - Ensure proper management and disposal of all waste streams.	During Construction During Operation
WM-12	Policy and Regulation Compliance - Regularly review and update waste management plans to comply with environmental regulations	During Construction
WM-13	Monitoring and Reporting - Implement data collection and reporting systems for waste management activities. These are as follows: • Compare projected waste quantities with actual waste quantities produced. • Conduct waste audits of current projects (where feasible). • Note waste generated and disposal methods. • Look at past waste disposal receipts. • Record this information to help in waste estimations for future waste management plans.	During Construction
WM-14	Monitoring and Reporting - Implement data collection and reporting systems for waste management activities. Undertaking annual waste audits	During Operation
WM-15	Signage - Ensuring proper signage in place to support best practice waste management The school management is responsible for waste room signage including safety signage. Appropriate signage must be prominently displayed on doors, walls and above all bins, clearly stating what type of waste or recyclables is to be placed in each bin.	During Operation
WM-16	Bin moving paths - Ensuring bin moving paths provided to support best practice waste management	During Operation
WM-17	Bin storage area - In order to ensure staff safety, all bins should be arranged so they can be accessed without moving another bin	During Operation
WM-18	Collection – Waste is to be collected outside of drop/ off pick up times and staff arrival/ departure times.	During Operation
Arborist		
AR-1	Tree retention - The trees for retention are shown on the tree retention and removal plan, the demolition plans and listed in the data sheet. Protect trees for retention from unnecessary damage.	During construction
AR-2	Project Arborist – An official 'Project Arborist' should be commissioned to oversee the tree protection, any works within the TPZ's and complete compliance certification.	During construction
AR-3	Tree protection fencing – Protect all trees for retention with Tree Protection fencing compliant with AS4970:2009.	Prior to commencement of construction
AR-4	Tree protection signage – Protect all trees for retention with Tree Protection signage compliant with AS4970:2009.	Prior to commencement of construction

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
AR-5	Sensitive work methods in TPZ's – Project Arborist to supervise any excavation works within TPZ's of trees to be retained for stormwater, electrical etc.	During construction
AR-6	Restricted Activities in the TPZ – Construction Manager to ensure activity does not occur in the TPZ of trees to be retained.	During construction
AR-7	Compliance Reporting – Project Arborist to complete monthly site visits and record evidence to ensure compliance with mitigation measures.	During construction
AR-8	Tree planting – 98 trees are to be planted on the site after the civil works are completed.	During Construction
AR-9	Tree retention inspection - Project Arborist to inspect and report on the condition of trees for retention to ensure trees for retention were protected and will remain viable post construction	Prior to commencement of operation
Construction Environment Management Plan		
CMP-2	Relevant authority approvals will be obtained by the Contractor prior to any work being performed outside the approved development activity consent working hours as Monday to Friday 7.00am to 6.00pm and Saturday 8.00am to 1.00pm. No works will be undertaken on Sundays and Public Holidays unless otherwise notified in accordance with the activity approval.	Prior to the commencement of construction
CMP-3	In accordance with Penrith City Council requirements, separate applications will be submitted for works zones and road closures.	Prior to the commencement of construction
CMP-4	A detailed CNVMP should be prepared by the Head Contractor prior to construction works commencing.	Prior to the commencement of construction
Flood		
F-1	Elevated Finished Floor Levels - Ensure all proposed building floor levels are elevated above the local overland PMF level, as detailed in Table 5.2 of the FIA	During Design During Construction
F-2	Flood Emergency Response Plan - Develop and maintain a Flood Emergency Response Plan (FERP) with risk management priorities and coordination with SES.	During operation - Continues with updates based on flood risk assessments
F-3	Stormwater Management - Ensure that all rainfall falling on the development area is managed within the boundaries of the Site via a Stormwater Management Plan. This includes treatment and conveyance systems designed to prevent impacts to surrounding areas.	During Design During Construction During Operation
Flood Emergency Response		
FE-1	Flood Response Personnel - Flood response personnel's positions and responsibilities will need to be assigned to on-Site personnel for managing the flood response.	Prior to commencement of operation
FE-2	Education - Developing a FERP Training Program.	Prior to commencement of operation
FE-3	Education - Implement the FERP Training Program	During Operation

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
FE-4	Flood Signage - Flood warning signage to be installed around the Site	Prior to commencement of operation
FE-5	Preparedness - Flood safety actions to be followed by students, staff and visitors on Site in anticipation of a potential flooding event.	During Operation
FE-6	Non-attendance (i.e. closure) of school - Based on BoM's 13.7mAHD flood level warning at the Windsor Gauge OR rainfall and dangerous thunderstorm or emergency storm warnings, School closure should be communicated with parents and staff to advise parents of possible flooding events the day before they occur and suggest that students be kept at home.	During Operation
FE-7	Evacuation - If the BoM's 13.7mAHD flood level warning at the Windsor Gauge occurs during school hours, off-site evacuation should commence.	During Operation
FE-8	Recovery - Key flood safety measures to be followed by all occupants after a flood.	During Operation
Traffic and Transport		
TT-1	Waste Collection - All waste collection is to occur outside of school operational hours i.e. between 7pm and 7am.	During operation
TT-2	Behaviour Change - Implement the School Transport Plan programs outlined in Table 11-8 of the TIA, prior to the relevant stage of operation.	During operation
School Transport Plan		
ST-1	A Travel Co-ordinator is required for the first year of post occupancy	During operation
ST-2	Compliance with the School Travel Plan prepared by Stantec dated, 18 December 2024.	During operation
Noise and Vibration		
NV-1	Works to be carried out during standard recommended construction hours.	During construction
NV-2	Works proposed to be conducted outside of standard hours will require a detailed assessment of noise and vibration generated to surrounding sensitive receivers.	During construction
NV-3	Construction Noise and Vibration Management Plan to be prepared by Head Contractor.	Prior to commencement of construction
NV-4	Detailed Construction Traffic Management Plan to be prepared by Head Contractor. A Traffic Guidance Scheme is to be included in accordance with TfNSW Traffic Control at Work Sites manual	Prior to commencement of construction
NV-5	Detailed assessment of environmental noise emissions from mechanical services and control in required.	Prior to issue of crown certificate Prior to operation
NV-6	Staggered recess and lunch breaks.	During operation
NV-7	Mechanical services plant to be designed to achieve the environmental noise limits included in Table 12 of the NVIA. The contributions of other continuous operational noise sources to be included to avoid cumulative level exceeding project limit.	During Design Prior to operation

All Stages- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
		During operation
NV-8	The PA system should initially be designed and set so that maximum noise levels at surrounding residences do not exceed the ambient noise level by more than 5dBA.	During Design Prior to operation During operation
NV-9	Mechanical ventilation required to be installed in accordance with NVIA to rooms identified to be protected from aircraft noise.	During Design
Social Impact		
SI-1	Managing construction impacts and temporary access changes for neighbouring residents - The future construction management plan to include a robust engagement approach that is targeted particularly to residents of Armoury Road. This Plan is to include: 1. Regular updates, informing of upcoming works, access changes, and responses to previous community feedback 2. Clear and convenient channels for issues and complaints to be raised 3. Regular monitoring of feedback received through engagement activities to ensure concerns are promptly addressed. Particular attention should be given to feedback from neighbouring residents in relation to: • Access arrangements during construction and operation • Noise, dust and vibration from construction activities • Project communication and opportunities for additional feedback channels.	Prior to commencement of construction
SI-2	Management measures to reduce impact on amenity for neighbours Measures to manage dust, noise and vibration (refer preliminary Construction Management Plan): 1. Site perimeter fence to be installed with mesh screening 2. A wet process will be instituted for cutting, drilling and grinding 3. Mist spray will be employed during the demolition and excavation activities 4. Materials will be stored appropriately and trucks leaving the sites will have loads covered and cross a shaker grid prior to entering the roadway. 5. Surrounding neighbours will need to be informed of works through consultation with SINSW and noise complaints recorded and reported.	During construction
SI-3	Continue to engage with stakeholders to enhance transport options and the local public domain School Infrastructure NSW and the Department of Education to continue to engage with the Transport Working Group (consisting of SINSW, TfNSW, and Penrith City Council) to coordinate and discuss public domain items and enhanced pedestrian treatments on Armoury Road. This must continue through construction and for a period of 2 years after commencement of operation	During construction During operation

3 Stage 1 Specific Mitigation Measures

Stage 1- Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
General		
GE1-1	Existing OSD Basin – The existing OSD basin is to remain operational until either the temporary OSD basin or the off site basin is constructed and operational as part of Stage 2 works.	During Construction Prior to operation of temporary or off site OSD basin
Traffic and Transport – Stage 1 Traffic		
TT1-1	Walking and Cycling - Provide pedestrian entrances on Armoury Road (main entrance),	Prior to commencement of operation
TT1-2	Walking and Cycling - Provide: 1x wombat crossing on Armoury Road, south of school main entrance. 1x wombat crossing at the southern side of the intersection of Wianamatta Parkway and Armoury Street.	Prior to commencement of operation
TT1-3	Walking and Cycling - A secure covered bicycle storage area (with 100 racks) close to the school gates on Armoury Road. Provide spaces for future bicycle racks close to the pedestrian entry on Infantry Street.	Prior to commencement of operation
TT1-4	Walking and Cycling - Provide shared path with 3.5m width on Armoury Road outside of school site.	Prior to commencement of operation
TT1-5	Walking and Cycling - Provide 2x end of trip facilities in the administrative building	Prior to commencement of operation
Noise and Vibration		
NV1-1	Glazing and roller shutter doors to metal workshops and wood workshops may be required to be closed during periods of high noise level activities.	During operation
NV1-2	Glazing to sensitive spaces (classrooms offices, etc) Rw 30.	During operation

4 Stage 2 Specific Mitigation Measures

Stage 2 Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
General		
GE2-1	Stage 2 temporary works are only required if the external works are not completed and operational (Infantry Street, Park Edge Road and off-site OSD basin)	Prior to the commencement of Construction
GE2-2	Refer to Mitigation measures – all stages for mitigation measures relating to construction of the school hall and permanent car park/ waste area.	Throughout
GE2-3	The carpark on Park Edge Road is to be non-operational until the vehicular crossover to Park Edge Road is operational.	Prior to operation
GE2-4	Separate Crown Certificates will be required if the temporary works are to proceed. One for the temporary works, one for the temporary works to be decommissioned and one for the permanent works.	Prior to the commencement of Construction
GE2-5	Existing OSD Basin - The existing OSD basin is not to be decommissioned until either the off-site OSD basin is operational or a temporary OSD basin is operational within the boundary of the site.	Prior to the decommissioning of the existing OSD basin
GE2-6	An easement for access to the temporary basin will need to be registered to provide Council access.	Prior to occupation
Noise and vibration		
NV2-1	Design of the Hall wall and roof comply with construction minimum Rw 37 and Hall glazing minimum Rw 30	Prior to issue of crown certificate Prior to operation
NV2-2	Glazing to the Performing Arts rooms may be required to be closed during periods of high noise level activities.	During operation
NV2-3	External openings to the hall may be required to be closed during periods of high noise level activities.	During operation
NV2-4	To minimise the noise impacts to the school community during rectification works, the Construction Environment Management Plan is to be updated prior to the commencement of construction, demolition of rectification works to include measures to be implemented whilst the school is operational, such as acoustic fencing/ barriers between the construction and operational areas.	During construction/ demolition of rectification works
Stage 2 with Temporary Works – Only relevant if the external road network and offsite basin are not operational.		
TW2-1	Temporary OSD basin. A temporary OSD basin must be constructed and operational within the boundary of the site, located to the north east corner of the site.	Prior to decommissioning of the existing OSD basin
TW2-2	Temporary Carpark – a 72 space temporary carpark must be constructed to the north west corner of the site with a vehicular crossover to Armoury Road. The temporary car park is to include temporary Supported learning kiss and drop facilities.	Prior to operation

Stage 2 Mitigation Measures submitted with REF – New High School for Jordan Springs		
ID	Mitigation Measure	Timing
TW2-3	Temporary waste area – a temporary waste area must be constructed and operational within the temporary car park	Prior to operation
TW2-4	Temporary kiss and drop facilities – 17 temporary kiss and drop spaces are to be provided along the Armoury Road frontage	Prior to operation
TW2-5	Bus stop – Existing bus stop on Armoury Road, south of Infantry Street to be expanded to 80m in length to allow for school bus to utilise in the am and pm peak periods.	Prior to operation
Stage 2 - Decommissioning of temporary works – only required if temporary works are constructed		
DE2-1	Decommissioning of temporary OSD Basin – The temporary OSD basin is not to be decommissioned until the offsite OSD basin is operational. A separate Crown Certificate is to be obtained for the decision works.	Prior to Decommissioning of temporary OSD basin
DE2-2	Rectification of temporary works – all temporary works are to be demolished/ rectified to permanent works once the permanent external road works are operational and the Park Edge Road vehicular cross over is operational. The area of the temporary carpark and temporary OSD basin is to be replaced with turf.	After external road network and offsite OSD are operational and Park Edge Road carpark vehicular cross over is operational.
Stage 2 with Permanent Works – relevant once the external road network and offsite basin are operational.		
PW2-1	A separate Crown Certificate will be required for these works if the temporary works have been undertaken.	Prior to the commencement of Construction
PW2-2	Walking and Cycling - Provide pedestrian entrances on Park Edge Road and Infantry Street.	Prior to commencement of Operation
PW2-3	Walking and Cycling - Provide: 1x wombat crossing on Infantry Street, east of pedestrian entrance.	Prior to the commencement of Operation
PW2-4	Public Transport - Install a bus zone along Armoury Road (on the school side) with provision for three standard 12.5 m buses and/or coaches for excursions. Arrival of school buses to be staggered to manage bus demand during the peak hours. Bus zone area can be used for parking outside of school hours (inclusive of pick-up and drop-off periods). Bus zone length is approx. 60m.	Prior to the commencement of Operation
PW2-5	Private Vehicle - Kiss and drop zones along the western side of Park Edge Road (16 spaces, 104m) and support unit Kiss and drop on the northern side of Infantry Street (4 spaces, 32m).	Prior to the commencement of Operation
PW2-6	Private Vehicle - Provide staff parking (72 spaces, inclusive of 2 accessible spaces) within the school site and entry and exit from Park Edge Road. No parking is provided for students.	Prior to the commencement of Operation