



planning consultants

APPENDIX 1

Mitigation Measures Table for Review of Environmental Factors – Upgrades to Rouse Hill High School

Prepared for:

Department of Education
March 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.

Mitigation Measures submitted with REF – Upgrades to Rouse Hill High School		
ID	Mitigation Measure	Timing
Bushfire		
BF1	Bush Fire Safety Authority The obtainment of a bush fire safety authority under Section 100B of the <i>Rural Fires Act 1997</i> for the activity and compliance with its requirements.	Prior to commencement of construction During construction During operation
Trees		
AR1	Project Arborist A Project Arborist is to be appointed to oversee arboricultural works for the activity. A Project Arborist is a person with a minimum Australian Qualification Framework Level 5 Diploma of Arboriculture or Horticulture qualification. Project Arborist Certification is to be provided: (1) Before commence of demolition or construction to confirm the Tree Protection Zone fencing has been installed; At completion of the construction phase to ensure trees are all free of any construction damage.	Prior to commencement of any works During works
AR2	Tree Removal Tree removal authorised as part of this activity is limited to tree Nos. 1-4 and 10-12 and is to be undertaken by a qualified Arborist following AS 4374 (Pruning of Amenity Trees, 2007).	During works
AR3	Tree Protection - Fencing Tree protection fencing is to be installed as per the Tree Protection Plan (Appendix 1 of the Arborist Report by Moore Trees) being a 1.8m high chain mesh fence (Appendix 5 of the Arborist Report), with appropriate signage (Appendix 6 of the Arborist Report) and maintained throughout the works until a Completion Certificate is issued.	Prior to commencement of any works During works
AR4	Tree Protection – General The following activities are prohibited within the Tree Protection Zone of retained trees: <ul style="list-style-type: none"> • Erecting site sheds or portable toilets; • Trenching, ripping or cultivation of soil (with the exception of approved foundations or underground services); • Soil level changes or fill material; • Storage of building materials; Disposal of waste materials, solid or liquid.	During works
Ecology		
FF1	Pre-Clearance Survey A pre-clearance survey is to be undertaken 24 hours prior to removal of planted native and exotic vegetation by a suitably qualified ecologist to ensure fauna is not activity using the vegetation as breeding habitat.	Prior to commencement of any works
FF2	Exotic Vegetation All exotic vegetation removed as part of the activity is to be disposed of off-site at a licenced green waste facility.	During works
FF3	Replacement Planting and Landscaping Nineteen (19) replacement canopy trees are to be planted (inclusive of the trees to be replanted under any relevant tree permit from The	During works Prior to completion

Mitigation Measures submitted with REF – Upgrades to Rouse Hill High School		
ID	Mitigation Measure	Timing
	Hills Shire Council). Replacement canopy tree planting and any landscaping undertaken as part of the activity is to be flora species from local PCTs such as PCT 3320 and PCT 3321. Any landscaping undertaken as part of the works is also to use flora species from local PCT.	
Traffic, Access and Parking – Construction		
CTP1	Construction Worker Parking Construction workers should be guided where appropriate parking is available around the site on induction and also be encouraged to use public transport services. During site induction, workers are to be informed of the existing bus and train routes servicing the site. Appropriate arrangements are to be made for any equipment/ tool storage and drop-off requirements. The Principal Contractor would be required to outline a schedule of worker start and finish times and demonstrate that this does not have any significant impact on local traffic activity. It is also expected that the Principal Contractor would be required to implement measures to reduce worker car travel, such as shuttle buses from key transport nodes or designated remote pick-up points as necessary.	During works
CTP2	Construction Vehicle Routes Construction vehicles are required follow specified routes as per the Preliminary Construction Traffic Management Plan prepared by Stantec Australia. The Principal Contractor is required to provide Traffic Guidance Schemes (TGSs) for the proposed works.	Prior to commencement of any works During works
CTP3	Traffic Management Measures Where pedestrian or cyclist routes are affected, accredited traffic controllers will be provided to manage the impact and minimise conflict between vehicles and pedestrians or cyclists. Where possible, construction heavy vehicle movements along Ironbark Ridge Road and Caballo Street will occur outside of school pick-up and drop-off periods. Traffic management measures (e.g. deployment of traffic controllers) will be provided along Ironbark Ridge Road, including intersection with Caballo Street to manage construction heavy vehicle movements.	During works
Traffic, Access and Parking - Operational		
OTP1	Bus Routes Request extension of bus services from Transdev in accordance with the Transport Impact Assessment prepared by Stantec Australia.	Prior to completion
OPT2	Keep Clear Signage Implement keep clear signage across the school park entrance pavement subject to agreement with Council.	Prior to completion
OPT3	Roads Act 1993 The Roads Act 1993 is to be complied with in relation to the emergency accessway (as/if required) and construction access from/in Caballo Street.	Prior to commencement of any works During works Prior to completion
OPT3	Emergency Accessway The emergency vehicular access is to be designed and constructed to comply with all relevant civil engineering and emergency services requirements.	Prior to completion

Mitigation Measures submitted with REF – Upgrades to Rouse Hill High School		
ID	Mitigation Measure	Timing
Noise and Vibration		
NV1	Mechanical Plant The proposed mechanical plant layout includes an acoustic enclosure around the mechanical plant made up of a solid wall to the north and acoustic louvres to the south, east and west. The height of the enclosure shall be a minimum of 300mm above the tallest element of the mechanical plant. The northern solid wall shall be a minimum surface mass of 12kg/m ² . The acoustic louvres shall achieve a minimum insertion loss equivalent to ACRAN200 acoustic louvres. Acoustic assessment of all mechanical plant shall continue during the design phases of the project in order to confirm any noise control measures to achieve the relevant noise criteria at the nearest noise sensitive receivers.	During Works
NV2	Glazing Recommendations that the glazing achieves a sound insulation rating of RW32 have been provided as a minimum sound insulation performance of the external glazing likely required to meet the internal noise levels for the spaces as per NSW DoE Design Checklist - 0001c.	During Works
NV3	Demolition and Construction Noise and Vibration Management Plan The Noise and Vibration Impact Assessment prepared by JHA shall form the basis for the Contractor's Demolition and Construction Noise and Vibration Management Plan (DCNVMP) which shall identify any noise criteria exceedance once construction methods and stages are known.	Prior to commencement of works During Works
NV4	Hours of Demolition and Construction Relevant authority approvals will be obtained by the Contractor prior to any work being performed outside the approved activity working hours (Monday to Saturday: 7:00am to 5:00pm, no works on Sundays or Public Holidays).	During works
Contamination		
C1	Unexpected Finds Protocol An unexpected finds protocol for contamination is to be contained within a Demolition and Construction Management Plan.	Prior to commencement of works
C2	Groundwater Groundwater is not to be used in the operation of the school including for drinking water or irrigation.	On-going
Civil Engineering		
CE1	Civil Engineering Compliance with the civil engineering report and plans prepared by Enstruct.	During Works
Aboriginal Heritage		
AH1	Unexpected Finds Protocol If during the process of works, an Aboriginal site or object is suspected or identified, the following Aboriginal unexpected finds protocol should be enacted: <ul style="list-style-type: none"> Stop Work – all works should cease immediately in the area surrounding the suspected objects. Any Aboriginal object(s) should be left in situ and not disturbed in accordance with the requirements of the <i>National Parks and Wildlife Act 1974</i> (NSW) (the NPW Act). Heritage NSW and School 	During Works

Mitigation Measures submitted with REF – Upgrades to Rouse Hill High School		
ID	Mitigation Measure	Timing
	<p>Infrastructure Heritage should be notified immediately and an archaeologist experience in the identification of Aboriginal cultural material should inspect the objects. If the objects are not Aboriginal in origin or manufacture as defined under the NPW Act they should be recorded, the location noted and works may continue. If the objects are confirmed to be of Aboriginal origin, the site should be registered on the AHIMS administer by Heritage NSW.</p> <ul style="list-style-type: none"> • If any Aboriginal object is identified, an Aboriginal heritage impact permit under Section 90 of the NPW Act would be required. As a likely displaced object, the extent of any works exclusion zone would need to be determined through discussion with Heritage NSW and Aboriginal community representatives. • In the unlikely event that human remains were to be discovered at any time during the works, the works must cease immediately in the surrounding area. The findings would need to be reported immediately to the NSW Coroner's Office or the NSW Police. 	
Waste Management		
WM1	A demolition and construction waste management plan is to be prepared in accordance with The Hills Shire Council requirements and included in the Demolition and Construction Management Plan.	Prior to commencement of works