Attachment B – Updated Consolidated Mitigation Measures

SSD-64916225 – Indigenous Centre of Excellence
Western Sydney University Parramatta South Campus

The collective measures required to mitigate the impacts associated with the proposed works are detailed below.

Ref No.	Mitigation Measure
Design and Operation	
D/O-EH	***European Heritage***
D/O-EH1	A Heritage Interpretation Plan will be prepared following conclusion of the formal consultation with the Indigenous community as part of the Aboriginal Cultural Heritage Assessment, with recommendations implemented prior to the commencement of works.
D/O-EH2	Provision for ease of maintenance and cleaning of the external cladding of the building will be considered as part of the design development.
D/O-EH3	A photographic archival record will be undertaken prior to demolition or ground disturbance, capturing the site's existing condition and historic elements where relevant.
D/O-EH4	The temporary car parks will be monitored and clearly documented as non-permanent.
D/O-EH5	Landscape and signage strategies will aim to strengthen visual and cultural connections to significant heritage features, including the Parramatta River, the Female Orphan School, and surrounding historical precincts.
D/O-EH6	An initial excavation program of test trenches across the proposed ICoE footprint will be undertaken for the purposes of investigating the potential for archaeological remains or features. These test locations will be carried out in accordance with Figure 1 of **Appendix X** (Archaeology Research Design) submitted as part of the SSDA Amendment / RTS Report.
D/O-EH7	All ground disturbing works in the location of the proposed eastern car park will be subject to archaeological monitoring and will follow the procedure documented in **Appendix X** (Archaeology Research Design) submitted as part of the SSDA Amendment / RTS Report.
D/O-EH8	Monitoring of the proposed western car park will be subject to initial ground clearance and works associated with the excavation of electrical and stormwater services. All other works in this western car park location will be subject to the unexpected finds protocol.
D/O-AC	***Access***
D/O-AC1	The design will comply with the requirements of the DDA Access to Premises Standards and include requirements for accessible buildings, linkages and the seamless integration of access provisions compliant with AS1428.1-2009.
D/O-SIGN	***Signage***
D/O-SIGN1	The future detailed signage content, design and installation will be subject to a separate DA for approval.
D/O-SIGN2	The future projected signage will not operate later than 22:00 each day.
D/O-SIGN3	Any future signage (which will be subject to a future DA for approval) operation will not exceed the maximum luminance available to the Environmental Zone A3 Medium District Brightness as per AS/NZS4282:2023, which will be limited to 250cd/m2
D/O-LIGHT	***Lighting***

D/O-LIGHT1	All lighting, electrical and luminaire works associated with car park lighting shall be carried out in accordance with the appropriate Australian Standards, Codes and Regulations as set out in Section 3.0 (page 23) of **Appendix BBB** – Lighting and Electrical Specifications.
D/O-CPTED	***Crime Prevention Through Environmental Design***
D/O-CPTED1	Wayfinding signage will be provided to ensure people understand where to enter the building, with clear indicators of where key internal places are located.
D/O-CPTED2	Adequate vegetation management will be in place to maintain sightlines in key landscaped areas, such as the central outdoor area, outdoor clinic or outdoor function space nearby to entrance points, whilst ensuring that there are no opportunities for hiding places or areas that may facilitate blind spots for concealment.
D/O-CPTED3	A CCTV network will be provided for the loading dock, circulation spaces and outdoor hardstand areas, including each of the entrance points within the overall development and its curtilage. The CCTV network will be designed in consultation with a suitably qualified security consultant with a Class 2A licence under the Security Industry Act 1997 who can provide specific advice on the placement, installation, monitoring and maintenance of the CCTV network.
D/O-CPTED4	A lighting strategy both internally and externally will be developed by a suitably qualified lighting expert experienced in the principles of CPTED including constant and sufficient lux and uniformity levels for lighting.
D/O-CPTED5	Development consent for the signage zone method and content will be undertaken prior to operation.
D/O-CPTED6	Sightlines to and from the proposed development and the surrounds will be maintained by ensuring external signage, landscaping or other internal furniture or objects do not create a significant visual obstruction.
D/O-CPTED7	Opportunities for natural and incidental surveillance will be maintained through effective lighting, access control and environmental maintenance, especially throughout the entrance points, within the main outdoor spaces (including central landscaped area, outdoor amphitheatre, outdoor clinic) and within internal circulation areas.
D/O-CPTED8	The glazed features of the eastern wing where they overlook surrounding external spaces will be free of clutter and signage to allow uninterrupted sightlines between the welcome foyer and the surrounding access points.
D/O-CPTED9	Any inactivated areas (including the loading dock or north-western vehicular areas) will be well lit with bright and even lighting distribution.
D/O-CPTED10	A CCTV network will be provided for the loading dock, circulation spaces and outdoor hardstand areas, including each of the entrance points within the overall development and its curtilage.
D/O-CPTED11	The CCTV network will be designed in consultation with a suitably qualified security consultant with a Class 2A licence under the *Security Industry Act 1997* who can provide specific advice on the placement, installation, monitoring and maintenance of the CCTV network.
D/O-CPTED12	The CCTV network strategy will be partnered with the internal and external lighting strategy to ensure facial recognition is achieved in all lighting conditions.
D/O-CPTED13	Discrete CCTV systems such as small dome cameras will be provided.
D/O-CPTED14	A lighting strategy will be developed by or in consultation with a suitably qualified and experienced lighting expert. When designing the lighting strategy for the publicly accessible areas, a CPTED professional will be consulted. Constant and sufficient lux and uniformity levels for lighting are particularly important in areas of the future development, such as: • All entry points will be well lit and equipped with CCTV. • The loading dock and back of house areas throughout the building (including back of house theatre and gallery store room etc) will be well lit and equipped with CCTV. • Areas surrounding the building curtilage will be well lit and equipped with CCTV to limit potential crime activity throughout the immediate surrounds of the site.
D/O-CPTED15	A lighting strategy both internally and externally will be developed by a suitably qualified lighting expert experienced in the principles of CPTED.

D/O-CPTED16	Building entrances will be highly visible from the internal campus pathway and streets frontages, and avoid any entrapment areas associated with entries.
D/O-CPTED17	CCTV security notice signs will be displayed to convey that the site is under constant surveillance (if applicable).
D/O-CPTED18	The design will clearly delineate between publicly and privately accessible areas via passive boundaries that do not appear to over fortify an environment (such as through landscaping provisions).
D/O-CPTED19	Pathways around the building curtilage, and within internal corridors will be unobstructed at all times to avoid blind spots.
D/O-CPTED20	An effective and prompt response to environmental maintenance for the development will be clearly specified though a Plan of Management. Environmental maintenance will acknowledge the principles of CPTED and ensure general building maintenance and landscaping is maintained throughout the precinct.
D/O-CPTED21	Mechanisms will be in place to facilitate the on-going maintenance of the building, including the implementation of a rapid removal policy for vandalism repair and the removal of graffiti.
D/O-CPTED22	Landscaping design features will be provided within the main eastern and western wings to convey the congregational nature of these places and solidify its use as key meeting points.
D/O-CPTED23	The inclusion of glazed facades with anti-graffiti coatings will be maximised wherever possible to maximise lines of sight and mitigate the risk of damage.
D/O-CPTED24	Landscaped areas and pedestrian pathways will be designed to efficiently channel pedestrians in a manner that is organised and orderly.
D/O-CPTED25	The design of the central outdoor space, western arrival zone, loading dock and artist studio entrances and other circulation areas will include landscape design features that sufficiently guide the movement of pedestrian flow between key areas.
D/O-CPTED26	The design will incorporate the installation of an appropriate bollard/barrier system within key areas sufficiently separate pedestrianised areas with vehicular paths of travel to prevent vehicles driving into spaces not designed for vehicles. A security consultant with a Class 2A licence under the *Security Industry Act 1997* will be engaged to provide specific advice on the type, placement and installation of this bollard/barrier system to ensure vehicles moving at high velocity cannot enter the site in locations not intended for vehicles, if need be.
D/O-CPTED27	Security, general staff personnel, teachers and other persons with a general duty of care will undertake a routine parole of the site regularly to minimise opportunities for anti-social behaviour or risk of unauthorised break and enter during events. This will be included in any Plan of Management created for the site.
D/O-ES	***Environmental Sustainability***
D/O-ES1	The Proponent will explore the sustainable design initiatives proposed within the Environmental Sustainability Report prepared by Flux Consultants, and the Net Zero Statement prepared by Steensen Varming, provided at Appendix UU and VV of the EIS, respectively.
D/O-FS	***Fire Safety***
D/O-FS1	The performance based solutions as specified in the Performance Based Design Brief (PBDB) are required to be adhered to, to the satisfaction of the Principle Certifying Authority.
D/O-FS2	A Fire Safety Engineering Report (FSER) will be prepared incorporating stakeholder conditions, comments and advice to the satisfaction of the Principle Certifying Authority.
D/O-SW	***Stormwater***
D/O-SW1	During the construction stage of the project, an erosion and sediment control plan is to be implemented to prevent sediment laden stormwater from flowing into adjoining properties, landscape, roadways or receiving water bodies.
D/O-SW2	The OSD within the eastern car park must be designed in accordance with either 3rd or 4th edition of the Upper Parramatta River Catchment Trust (UPRCT) OSD Handbook. All OSD systems shall be designed with consideration to the major/minor system design principle in Australian Rainfall & Runoff.

D/O-SW3	Stormwater quality treatment is required to comply with the requirements outlined in Table 5.1.2.2 of the Parramatta Development Control Plan 2023 Part 5 Environmental Management.
D/O-SW4	All stormwater assets proposed are required to be maintained regularly in accordance with the Stormwater Maintenance Plan as outlined in Section 3.3 of **Appendix L** of the SSDA Amendment / RTS Report.
D/O-NV	***Noise and Vibration***
D/O-NV1	Details of the acoustic treatment will be formulated during the detailed design phase once plant selections are made.
D/O-NV2	Maximise the distance between noise activities and noise sensitive land uses.
D/O-NV3	Install purpose-built noise barriers, acoustic sheds and enclosures.
D/O-TT	***Traffic and Transport***
D/O-TT1	A detailed Green Travel Plan is to be prepared prior to operation of the development.
D/O-TT2	Monitoring and review of the Green Travel plan will be conducted at regular intervals, which will include: • Updating to reflect any travel-related changes in the local area such as bus services, new cycle routes or pedestrian crossings (this must occur as changes arise). • Reviewing progress against the proposed mode share targets and update targets if required. • Identifying any shortfalls in the GTP and updating sustainable initiatives and programs to address these shortfalls. • Distributing an updated travel mode survey to all regular users. Collect data including residential postcodes to inform their origin. • Consulting with regular users and the university to understand travel behaviours and any barriers and facilitators to shift to sustainable travel. • Adjusting initiatives and targets based on the updated survey results and in response to any issues that arise.
D/O-TT3	28 bicycle spaces/racks will be provided on-site and used accordingly for the Indigenous Centre of Excellence. The bicycle storage/racks are to comply with AS2890.3-2015. Details are to be illustrated on plans submitted with the construction certificate.
D/O-TT4	A Preliminary Event Traffic and Transport Management Plan (PETTMP) will be prepared and approved prior to occupation.
D/O-TT5	Kerb and gutter to be provided along the edge of the parking.
D/O-TT6	Maintain clear access through the western car park to the existing oval gate.
D/O-TT7	Provide new vehicular egress crossing of 4m to the north-eastern Fifth Street western car park and 9m width for the ingress in accordance with City of Parra standard drawing DS8.
D/O-TT8	All line marking, bollards, barriers and wheel stops will be implemented in accordance with the relevant Australian Standards, Industry and Safe work Australia guidelines
D/O-TT9	The car park works shall be completed prior to the demolition of the existing P1 car park.
D/O-TT10	28 bicycle parking spaces, 10 showers, changerooms and 9 lockers are to be provided on site and completed prior to occupation in order to support expected mode share.
D/O-TT11	The ICoE entry points tie into the existing zebra crossings on Fifth Street, providing safe connection across the roadway and across to the network of footpaths on-campus.
D/O-TT12	On-site loading dock for service and deliveries, ICoE Elders car space and new eastern and western car parking areas (to replace P1 car park) are all to be completed prior to occupation and designed in accordance with and compliance with AS2890.1. The internal service road and loading dock are located at the back of the building away from areas of pedestrian activity.
D/O-TT12	Existing shuttle busses between Parramatta Campus are to remain operational and ongoing as provided by WSU, with services available every 25 minutes on weekdays.

D/O-TT13	The site access points, building entries and areas of main pedestrian activity are located away from Victoria Road, with access from Fifth Street in order to mitigate any road safety impacts.
D/O-TT14	A direct footpath connection is provided from the Elders car park to the building, so that pedestrians do not have to walk around via the roadway to access the building.
D/O-WM	***Waste Management***
D/O-WM1	Operational waste management measures will be incorporated in accordance with the Operational Waste Management Plan (OWMP), prepared by Elephants Foot Consulting, provided at **Appendix ZZ** of the SSDA Amendment /RTS Report.
D/O-WM2	Educational materials encouraging correct separation of general waste and recyclables will be provided to each staff member, including the correct disposal process for bulky waste such as old furniture, large discarded items, and other materials including electronic and chemical wastes. The building caretaker will provide information in multiple languages to support correct behaviours, and to minimise the possibility of contamination in communal waste bins.
D/O-WM3	All waste signage, to be provided by the building manager, must conform to the relevant Australian Standards and include: • Clear and correctly labelled waste and recycling bins, • Instructions for separating and disposing of waste items. Different languages will be considered, • Locations of, and directions to, the waste storage areas with directional signs, arrows, or lines, • The identification of all hazards or potential dangers associated with the waste facilities, and • Emergency contact information should there be issues with the waste systems or services in the building.
D/O-WM4	The University will be responsible for the following to minimise dispersion of site litter and prevent stormwater pollution to avoid impact to the environment and local amenity: • Promoting adequate waste disposal into the bins; • Securing all bin rooms (whilst affording access to staff/contractors); • Prevent overfilling of bins, keep all bin lids closed and bungs leak-free; • Taking action to prevent dumping or unauthorised use of waste areas; • Require collection contractor/s to clean up any spillage when clearing bins.
D/O-WM5	All doorways and passageways facilitating the movement of bins and/or bulky waste items will be at least 1500mm wide.
D/O-WM6	The University or nominated staff will be responsible for the transportation of bins as required from their designated operational locations to the bin holding room as required and returning them once emptied to resume operational use.
D/O-WM7	The building manager will assess manual handling risks and provide any relevant documentation to key personnel.
D/O-WM8	The routes along the bin moving path will: • Allow for a continuous route that is wholly within the property boundary. • Be free from obstruction and obstacles such as steps and kerbs. • Be constructed of solid materials with a non-slip surface • Be A minimum of 300mm wider than the largest bin used onsite. • If bins are moved manually, the route must not exceed a grade of 1:14. • If a bin moving device is used, the route cannot exceed the maximum operating grade of the device. This is typically a grade of 1:4, however this will vary depending on the model of bin moving device acquired for the site.
D/O-WM9	The developer will be responsible for suppling all equipment required for moving bins this includes any bin lifters, bin moving devices and waste transfer bins, and will contact a bin-tug, trailer or tractor consultant to provide equipment recommendations.
D/O-WM10	Once the site is operational, the building proprietors/University will be responsible for maintaining, repairing and replacing waste management equipment.
D/O-WM11	Waste room construction will comply with the minimum standards as outlined in the *Parramatta Development Control Plan 2023 and NSW Better practice guide for resource recovery in residential developments (2019).*

D/O-WM12	The design of the bin storage areas will include: • Waste room floor to be sealed with a two-pack epoxy; • All corners coved and sealed 100mm up, this is to eliminate build-up of dirt; • Tap height and light switch height of 1.6m; • Storm water access preventatives (grate); • All walls painted with light colour and washable paint; • Equipment electric outlets to be installed 1700mm above finished floor level; • Optional automatic odour and pest control system installed • If 660L or 1100L bins are utilised, 2 x 820mm (minimum) double-doors must be used; • All personnel doors are hinged, lockable and self-closing; • Conform to the Building Code of Australia, Australian standards and local laws; and • Childproofing and public/operator safety shall be assessed and ensured • Waste and recycling rooms must have their own exhaust ventilation system either; • Mechanically - exhausting at a rate of 5L/m² floor area, with a minimum rate of 100L/s minimum; Mechanical exhaust systems shall comply with AS1668.4.2012 and not cause any inconvenience, noise or odour problem or • Naturally - permanent, unobstructed, and opening direct to the external air, not less than one-twentieth (1/20) of the floor area.
D/O-PW	***Pedestrian Wind***
D/O-PW1	A variety of common wind mitigation measures will be explored throughout the detailed design stage including: • Landscaping or local screening in selected locations. • An airlock-style entrance such as a revolving door • Large canopy • Podium • Arcade • Alcove • Façade profile and balconies • Use of canopies, trellises, and high canopy foliage (refer to **Appendix RR** of the SSDA Amendment Report /RTS).
D/O-SI	***Social Impact***
D/O-SI1	The Proponent will provide a sustainable transport strategy, prioritising active and public transport and discouraging travel by private vehicle.
D/O-SI2	The Proponent will encourage public / active transport uptake through the implementation of a Green Travel Plan.
D/O-BD	***Biodiversity***
D/O-BD1	The Proponent will explore with the 'Saving our Species Program' (OEH 2024b), the feasibility / opportunity to reintroduce a population of the Green and Golden Bell Frog (Litoria aurea) into the proposed wetland habitat (Jila 2024) post development.
D/O-FI1	***Flooding***
D/O-FI1	The proposed development will be undertaken in accordance with the Emergency Management Approach set out in the Flood Impact Risk Assessment prepared by GRC Hydro (dated 4 April 2025).
D/O-FI2	Implement a sediment control and erosion plan during the construction phase of the project.
D/O-FI3	No net fill is to be provided within flood overlay zone to ensure no adverse impact to the proposed flood storage.
D/O-FI4	The proposed design will be constructed using flood resilient materials and its ground flood finished floor level is elevated well above the 1% AEP flood level.
Construction Management	
C/M-G	***General***
C/M-G1	A Construction Management Plan is to be prepared prior to commencement and adhered to by the relevant contractor to outline management of the works.

C/M-G2	All relevant legislation and associated regulations would be complied with.
C/M-G3	Best management practices would be implemented as specified by any codes of practice or guidelines.
C/M-G4	The hours of demolition or construction, including delivery of materials to and from the site, shall be restricted as follows: • between 7:00am and 5:00pm, Monday to Saturday; and • no work or deliveries on Sunday and/or public holidays without prior approval from Western Sydney University.
C/M-G5	The worksite would be left tidy and rubbish free each day prior to leaving site and at the completion of the works.
C/M-G6	Protective site safety fencing shall be installed around the construction site. Vehicle and workforce access points to the construction compounds are to be controlled.
C/M-G7	No hazardous materials or dangerous goods would be used or stored on site, excluding fuel, which is to be stored in a ventilated hazardous goods cabinet.
C/M-G8	The contractor would meet all workplace safety legislation.
C/M-G9	The public way must not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances.
C/M-G10	Silt fences and applicable sediment control measures will be installed prior to commencing earthworks and maintained during earthworks.
C/M-G11	Temporary detention basins installed prior to commencing earthworks and maintained as required.
C/M-G12	A barricade will be put in place at the existing P1 Car Park so that it is not utilised after the completion of the proposed car park works (as relevant).
C/M-G13	In accordance with WorkCover all plant and equipment used in construction work must comply with the relevant Australian Standards and manufacturer specifications.
C/M-G14	All plant/equipment shall be inspected daily to avoid leakage of fuel, oil or hydraulic fluid to the work sites. Machinery found to be leaking shall be repaired or replaced.
C/M-G15	All machinery shall be secured against vandalism outside working hours.
C/M-G16	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 officer of Council.
C/M-G17	Construction of the Proposal would be completed to Building Code of Australia performance requirements.
C/M-G18	Any demolition work must be carried out in accordance with AS 2601—2001, The Demolition of Structures.
C/M-G19	All previously connected services would be appropriately disconnected as part of the demolition works. The contractor is required to consult with the various service authorities regarding their requirements for the disconnection of services.
C/M-G20	The applicant shall obtain all approvals required by State and Commonwealth legislation and relevant local policies, including approvals for utilities connections (e.g. Ausgrid approvals, and Fire Rescue NSW approvals). A copy of all approvals shall be kept on site.
C/M-G21	These will include the following (only if required): • Hoarding permits • Crane permit • Road closure permit • Electrical supply/connections
C/M-G22	A copy of the necessary approvals is to be provided to WSU prior to the relevant component of work being undertaken.
C/M-G23	All building work shall be undertaken in accordance with the Building Code of Australia (BCA) and referenced Australian Standards (AS), including requirements of AS 1428.1 General Requirements for Access.
C/M-G24	Site Preparation: Any earth retaining structures associated with the construction of a building or Class 10 structure is to be designed and constructed in accordance with AS4678.
C/M-G25	Any proposed retaining walls or structures are to be designed and constructed in accordance with AS4678. Certification to be provided from an NER Registered Structural Engineer confirming compliance.

C/M-G26	Certification is to be provided from the Civil Engineer confirming compliance with AS3500.3 and City of Parramatta stormwater drainage requirements.
C/M-G27	Where there is a fall more than 1m in height, a balustrade complying with the requirements of Part 11.2 of the ABCB Housing Provisions is to be provided.
C/M-SW	***Soils and Water***
C/M-SW1	Dilapidation surveys will be carried out on surrounding buildings, pavements and utilities that are be affected by construction works. These surveys will occur prior to commencement of any site works to document any existing defects so that any claims for damage due to construction related activities can be assessed.
C/M-SW2	The following procedure will be followed for site preparation and engineered filling for slab-on ground footings and pavements at this site: • Strip any organic topsoil and 'uncontrolled' fill down to stable natural subgrade; • tyne the exposed subgrade and adjust the subgrade to optimum moisture content (OMC); • compact the moisture conditioned subgrade with at least six passes of a minimum 10-12-tonne deadweight roller, with a final test roll pass ('proof roll') accompanied by a careful visual inspection by a geotechnical engineer or senior geotechnician to ensure that any deleterious materials such as loose, wet or highly compressible soil and organic materials are identified for removal; • strip and remove the weak material and replace with select approved filling in the event that excessive movement is observed under passage of the roller; • place fill, if required, in near horizontal layers of maximum 200 mm loose thickness. Fill will be approved, homogeneous, free of organic or other deleterious material, and have a maximum particle size of 75 mm; • compact each fill layer to at least 98% Standard maximum dry density ratio; • maintain moisture contents for fill exhibiting clay-like properties in the range 2% dry to 2% wet of optimum moisture content for Standard compaction; and • seal or cover any natural or compacted clay foundation soil, at or close to formation level, as soon as practicable, to reduce the opportunity for desiccation and cracking, or swelling and softening.
C/M-SW3	The existing fill material and alluvial silty clay will be screened to remove any deleterious and/or oversize material that is present, then thoroughly mixed and moisture conditioned to within ±2% of its optimum moisture content. An experienced geotechnical engineer will inspect and approve any stripped and stockpiled spoil material proposed for reuse in an engineered fill prior to its incorporation.
C/M-SW4	Level 1 inspection and testing, as defined in Section 8 of AS 3798 – 2007 will be undertaken where structural loads are to be supported by fill.
C/M-SW5	A granular working platform will be considered to reduce potential lost time during or following wet weather.
C/M-SW6	If the neighbouring Co-Generation Building has footings founded at shallow levels, the maximum vector sum peak particle velocity (VSPPV) as per the Australian Standard AS 2187.2 – 1993 (Explosives Code) will be provisionally limited to 8 mm/s at the building line, unless the Proponent has more stringent vibration criteria for this building. Co-Generation Plant must be used for the control of construction activities dependant on the construction plant used.
C/M-SW7	Excavation will be through fill and alluvium and will be carried out using conventional earthmoving equipment.
C/M-SW8	All excavated materials to be removed off-site will be disposed of in accordance with current EPA (2014) guidelines.
C/M-SW9	Groundwater will be handled using 'sump-and-pump' methods for seepage removal.
C/M-SW10	The discharge of any groundwater will be in accordance with the Protection of the Environment Operations Act 1997 (POEO Act). Any water discharged into the natural environment will comply with the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, 2018).
C/M-SW11	Batter slopes for un-surcharged slopes above the groundwater table not higher than 2 m will be constructed no steeper than 1.5H:1V (horizontal: vertical) in the temporary case, and 2H:1V in the permanent case. If maintenance and vegetation of a permanent slope is required, then flatter 3H:1V batters will be constructed.
C/M-SW12	Temporary excavation support for trenches and other localised excavations will utilise proprietary shields and shoring boxes.
C/M-SW13	Shoring or retaining walls will be designed in accordance with the parameters identified in the Geotechnical Investigation prepared by Douglas Partners and provided in **Appendix L** of the original SSDA EIS. A triangular earth pressure distribution will be adopted on the rear of the wall.

C/M-SW14	The presence of uncontrolled fill over the site, all shallow footings will be founded below the existing fill. To support the design structural loadings for the proposed building, either a raft slab or conventional bored piles or piers will be used to access the required founding stratum at depth.
C/M-SW15	A raft slab foundation will be explored to support the structure but will not exceed a maximum contact pressure of 50 kPa. Additional investigation with cone penetration tests (CPTs) will also be considered.
C/M-SW16	If piles are to be found in the alluvium, further geotechnical analysis will be undertaken at the detailed design stage to determine appropriate pile lengths across the proposed building footprint to reduce the risk of excessive differential settlement.
C/M-SW17	Bored pile/pier sockets will be inspected by an experienced geotechnical engineer during drilling to ensure the design parameters adopted are suitable for ground conditions and to ensure that there is no soft or loose material remaining at the base of the excavations.
C/M-SW18	CFA and screw piles will be certified by the piling contractor to confirm that the piles have reached a suitable depth, and that the material encountered is consistent with the design assumptions.
C/M-SW19	For rafts and ground slab, a minimum characteristic compressive strength (fc´) of 25 MPa, a minimum cover to reinforcement of 45 mm and a minimum continuous curing time of three days for a 50-year design life will be provided.
C/M-SW20	Reinforced concrete bored piles will have a minimum fc´ of 32 MPa and a minimum cover to reinforcement of 60 mm to limit the corrosive effects of the surrounding soils for a 50-year design life.
C/M-SW21	Concrete ground slabs and footings will have a minimum compressive strength of 32 MPa with a minimum cover to reinforcement of 50 mm from unprotected ground near the southeastern corner of the site, and concrete will be allowed to cure for a minimum of seven days to limit the corrosive effects of the surrounding soils.
C/M-SW22	A Salinity Management Plan will be required for the south-eastern corner of the site where moderately saline fill was encountered.
C/M-SW23	Ground slabs will be cast independently of the column pads or pile and beam footings and incorporate control joints to allow for differential movements. Edge protection, such as deepened stiffening edge beams (possibly with internal ribs) in conjunction with surface paving will also be included to minimise the effects of reactivity movements.
C/M-SW24	Detailed surface and subsurface drainage will be aimed at avoiding substantial wetting of the soils beneath building areas. Surface water will be directed away from building or hardstand areas and services trenches will be backfilled with compacted clay soil to avoid the trench acting as an inlet drain. Subsoil drains to at least 0.5 m below the subgrade level along the high side of all pavements and along all adjacent garden and lawn areas.
C/M-SW25	The planting of trees or shrubs will be avoided within 1.5 times the mature height of the tree.
C/M-SW26	All care and due diligence shall be taken to minimise or prevent pollutant material entering drain inlets or waterways.
C/M-C	***Contamination***
C/M-C1	The Contractor will undertake a formal waste classification either ex-situ (preferred), or alternatively and if limited by spatial / time constraints, in-situ (using test pits) following the removal of the overlying asphalt.
C/M-C2	The Contractor will prepare and implement an Unexpected Finds Protocol (UFP) which outlines appropriate response procedures to be undertaken by the development contractor in the event suspected contamination (e.g., asbestos) is encountered during the redevelopment of the site.
C/M-C3	If there are changes to the proposed development (e.g., a change in basement levels or site usage), the Detailed Site Investigation will be updated, taking into account any changes in proposed land use, proposed design (i.e., basement levels), and proposed excavations for the construction of the building or results of subsequent waste classification testing.
C/M-C4	Further assessment of the soils will be undertaken for the presence of ash (or other related wastes, e.g., charcoal) to review the suitability of assessing the detected PAH concentrations under a NSW EPA immobilisation order.
C/M-C5	Further inspection / testing following removal of overburden will be required to classify the materials as VENM.
C/M-C6	Development of an asbestos management plan (AMP) where required to detail requirements for excavation, removal and validation of the known asbestos in soil, and to provide an additional finds protocol to manage risks in other areas of the site will be conducted.

C/M-C7	Contaminated material shall be excavated and stockpiled at a suitably segregated location(s) away from sensitive areas (e.g. water bodies, drainage lines, stormwater pits, etc.) and ongoing excavations, and in a manner that will not cause nuisance to the neighbouring properties. Soil stockpiles are to be managed as follows: • An impermeable membrane such as plastic sheeting must be provided at the surface by the Remediation Contractor prior to stockpiling. Plastic sheeting will be taped at joins, as necessary. • Alternatively, stockpiles will be placed on suitable hardstand areas. If stockpiled on exposed soils, the underlying soils will be required to be removed as a 'sacrificial' layer, and then validated by the Environmental Consultant; • All stockpiles of contaminated material shall be surrounded by star pickets and marking tape or other suitable material to clearly delineate their boundaries; • Stockpiles shall be lightly conditioned by sprinkler or covered by geotextile or similar cover to prevent dust generation (if remaining overnight); • Stockpiles impacted, or potentially impacted, with asbestos must be covered by geotextile or similar cover to prevent dust generation; • Measures must be taken by the Remediation Contractor to prevent the migration of stockpile materials (i.e. perimeter bunds, hay bales, silt fences, etc.); and • A record of stockpile locations (stockpile register), dimensions, descriptions, environmental controls, etc. will be maintained by the Remediation Contractor. All movement of soil within the site is to be tracked by the Remediation Contractor, from cradle to grave. Copies of tracking records must be provided to the Environmental Consultant.
C/M-C8	Imported material shall be stockpiled at a suitably segregated location(s) away from sensitive areas (e.g. water bodies, drainage lines, stormwater pits, etc.) and ongoing excavations, and in a manner that will not cause nuisance to the neighbouring properties. Soil stockpiles are to be managed as follows: • Imported material must not be stockpiled within un-remediated areas of the site. If this is unavoidable an impermeable membrane such as plastic sheeting must be provided at the surface by the Remediation Contractor prior to stockpiling. Plastic sheeting will be taped at joins, as necessary; • All stockpiles will be surrounded by star pickets and marking tape or other suitable material to clearly delineate their boundaries; • Stockpiles will be lightly conditioned by sprinkler or covered by geotextile or similar cover to prevent dust generation (if remaining overnight); and • A record of stockpile locations (stockpile register), dimensions, descriptions, environmental controls, etc. will be maintained by the Remediation Contractor. All movement of soil within the site is to be tracked by the Remediation Contractor, from cradle to grave. Copies of tracking records must be provided to the Environmental Consultant.
C/M-BD	***Biodiversity***
C/M-BD1	Prior to construction, a qualified and experienced Ecologist (>3 years of experience) with a minimum tertiary degree in science, conservation, biology, ecology, natural resource management, environmental science or environmental management will be engaged. The Ecologist will be licensed with a current Department of Primary Industries Animal Research Authority permit and New South Wales Scientific License issued under the BC Act. The Ecologist will be a member of the NSW Ecological Consultants Association.
C/M-BD2	All trees to be retained will be protected in accordance with Australian Standard - Protection of Trees on Development Sites (AS-4970-2009), which outlines that a Tree Protection Zone (TPZ) is the principal means of protecting trees on development sites. It is an area isolated from construction disturbance so that the tree remains viable. Works will be avoided within the TPZ of any trees located outside of the development site that require retention. This includes trees on neighbouring properties. TPZ will be protected as per instructions of the Tree Protection Plan (Tree Survey 2025). Tree protection fencing will be installed prior to site establishment and remain intact until the completion of works as per Tree Protection Plan (Tree Survey 2025).
C/M-BD3	Project Ecologist will undertake a pre-clearing survey of the Subject Land, identifying any threatened species and/or nests. All felling of native trees will be supervised by an Ecologist who will be available on site to capture, treat/relocate any displaced fauna. If any threatened species are identified, the Project Ecologist will be consulted to determine the best course of action, including potential translocations.
C/M-BD4	Appropriate erosion and sediment control will be erected and maintained during construction. At minimum such measures will comply with the relevant industry guidelines such as 'the Blue Book' (Landcom 2004).
C/M-BD5	The construction site compound as well as all construction storage, stockpile and laydown areas will be located within the project disturbance area i.e. away from any native vegetation that is planned to be retained. Any soil imported from outside the site, if required, will be free of weeds.
C/M-BD6	Appropriate light, noise and dust suppression methods will be implemented to reduce their impact on surrounding flora and fauna. Construction works will be limited to daylight hours.

C/M-BD7	If during the construction of the proposed development, the Project Ecologist finds that a species listed under the EPBC Act or a species at risk of an SAII has the potential to be significantly impacted, works will cease until the Project Ecologist advises on a suitable approach. This will require a referral to the Commonwealth to determine whether the proposed development will need formal assessment and approval under the EPBC Act.
C/M-BD8	The Applicant will explore with the 'Saving our Species Program' (OEH 2024b) the feasibility / opportunity to reintroduce a population of the Green and Golden Bell Frog (*Litoria aurea*) into the proposed wetland habitat (Jila 2024) post development.
C/M-BD9	Parking spots in the proposed carpark development will include an 'Atlantis Turf Cell' system (**Appendix AAA** of the SSDA Amendment / RTS Report). The turf must be comprised of a native lawn species such as *Cynodon dactylon* (Couch Grass) *Zoysia Macrantha* (Nara Grass) or *Digitaria didactyla* (Queensland Blue Couch). If these turf species are not compatible with the system, the measure will still reduce the loss of habitat by replacing the lawn habitat with another lawn.
C/M-ACH	***Aboriginal Cultural Heritage***
C/M-ACH1	All workers involved in works will undergo an Aboriginal heritage induction, as part of the standard worksite induction. The induction will outline the responsibilities of all workers under the NPW Act, examples of Aboriginal objects and details of the Unexpected Finds Procedure to be implemented for all works.
C/M-ACH2	The completion of the archaeological investigation must follow the prescribed field methods and excavation methodology within section 7.1.2 of **Appendix W** of the SSDA Amendment / RTS Report.
C/M-ACH3	Following completion of archaeological investigation within the study area, a post-excavation report detailing the results of the Aboriginal archaeological investigation works would be prepared and submitted to Heritage NSW, consistent with best practice for preparation of post-excavation reporting, as per the requirements of the Code of Practice and any relevant conditions of an approved SSDA. The report would be provided to all project RAPs for their information. Refer to section 7.2.2 of **Appendix W** of the SSDA Amendment / RTS Report.
C/M-ACH4	Once the site has been signed off and all archaeological testing and/or salvage works have been completed, if the discovery of an archaeological feature that is suspected to be Aboriginal cultural material in nature (excluding human remains), the following procedure will be followed: • Cease works in the immediate vicinity of the find. • Contact the Project archaeologist to verify the nature of the find. • If Unexpected Find is confirmed as Aboriginal archaeology, Project archaeologist will notify Project RAPs and DPHI of the find. If Unexpected Find is confirmed as not Aboriginal in origin, Project archaeologist will provide advice for works to recommence. • Project Archaeologist/Project RAPs will undertake a preliminary assessment and recording of the find. • Formulate archaeological or heritage management plan- specific to nature of the find. • Implement archaeological/heritage management plan. • Works may only commence once archaeological/heritage management plan has been successfully implemented and Project archaeologist provides sign off to contractor for works to resume in vicinity of find. Refer to section 7.2.2 of **Appendix W** of the SSDA Amendment / RTS Report.
C/M-ACH5	The unexpected discovery of any potential skeletal remains during development works will be managed in accordance with the approved Heritage NSW protocol for the discovery of human remains which is stated as: If any suspected human remains are discovered and/or harmed the Proponent will: • Not further harm these remains. • Immediately cease all work at the particular location. • Secure the area so as to avoid further harm to the remains. • Notify the local police and OEH's Environment Line on 131 555 as soon as practicable and provide any available details of the remains and their location. • Not recommence any work at the particular location unless authorised in writing by Heritage NSW. Refer to section 7.2.2 of **Appendix W** of the SSDA Amendment / RTS Report.
C/M-ARCH	***Archaeological Heritage***
C/M-ARCH1	The works will be undertaken in accordance with Archaeological Research Design and Excavation Methodology (**Appendix X** of the SSDA Amendment /RTS Report) prior to any ground disturbance works.

C/M-ARCH2	An archaeological test excavation trench will be excavated in the area of archaeological sensitivity, focused on the location of the culvert, drainage line and pond. An additional targeted, 2-3 sample test trenches using machine excavation, to test the integrity, intactness and extent of any potential early phases of site use will be undertaken prior to bulk excavation works in areas identified as having potential to contain relics of local or State significance, in order to confirm the predicted intactness of the archaeological resource. The test excavation will be guided by the ARD + EM and in consultation with Heritage NSW. Further detail on trench test excavations (including depths, amount of trenches and specific locations) are provided in **Appendix X** of the SSDA Amendment /RTS Report.
C/M-ARCH3	All ground disturbing works will be subject to archaeological monitoring to identify any ephemeral archaeological features that will be impacted during works.
C/M-ARCH4	An Unexpected Finds and Stop Works Procedure will be developed and implemented for all other works within the study area.
C/M-ARCH5	The location and detail of any proposed construction compounds or works areas outside of the development area will be approved prior to commencement of the works. Construction related activities including storage of materials, vehicular parking or vehicular access will be excluded from areas of high and moderate significance within the SHR curtilage.
C/M-ARCH6	Any ground disturbing works that are proposed outside of the development area will be assessed for potential archaeological impacts by a qualified archaeologist and approved prior to proceeding.
C/M-ARCH7	Any additional subsurface impacts not presented in the Historical Archaeological Assessment (dated August 2025) will need to be assessed in an addendum to the report.
C/M-ARCH8	Dependent on the nature of the test excavation findings, remedial and/or bulk excavation works will be subject to archaeological monitoring periodically throughout the project to identify any potential undocumented or ephemeral archaeological features not located during the test excavation. Curio will monitor all machine excavation and stop works to investigate any potential archaeological resources, if any is detected.
C/M-ARCH9	If the historical test pits identify the presence of any Aboriginal archaeological deposits within a disturbed context, the project RAPs will be notified and brought on site to continue with a strategic expansion of the test pits to further confirm the nature and extent of the deposit. If historical archaeological excavation encounter any displaced Aboriginal objects within historical archaeological deposits, the Aboriginal archaeology Excavation Director, and project RAPs would be informed. Any displaced Aboriginal objects within historical contexts would be recorded in their location, and removed, to be catalogued and analysed in accordance with the Aboriginal archaeological methodology outlined within the ACHAR.
C/M-ARCH10	All ground disturbing works in the location of the proposed eastern car park will be subject to archaeological monitoring. This will be implemented specifically to identify any potential structural remains of the ha-ha of the Rydalmere Psychiatric Hospital. Monitoring of the proposed western car park will be subject to initial ground clearance and works associated with the excavation of electrical and stormwater services. All other works in this location will be subject to the unexpected finds protocol. Refer to **Appendix AA** for further detail regarding the monitoring program.
C/M-ARCH11	A monitoring program will be established to ensure that all ground-disturbing works outside of the designated test excavation zones, particularly in areas assessed as having low archaeological potential due to prior disturbance, are subject to appropriate archaeological oversight. Monitoring will be undertaken by a qualified archaeologist. The monitoring will involve: • Continuous or periodic observation of excavation activities within the monitored footprint. • Visual inspection of exposed profiles, soil matrices, and excavation spoil during the course of works. • The capacity to temporarily halt works if any potential archaeological material is identified, further investigated, enabling appropriate recording, assessment, and (if required) salvage.
C/M-H	***Heritage***
CM-H1	Provision for ease of maintenance and cleaning of the external cladding of the building will be considered as part of the design development.

CM-H2	All project team members and construction personnel will undergo a heritage-specific induction to be made aware of the significance of the SHR listed site and to support the use of the unexpected finds protocol prior to undertaking any activities within the development area.
CM-H3	The interpretation plan for the university campus will be updated to include the new development. The interpretation plan will consider the consultation with the Aboriginal community that was conducted as part of the design process.
CM-H4	Interpretation of any archaeological relics, if found, will be considered for inclusion in the design of the development. For Aboriginal archaeological resources and cultural materials, interpretation will be developed in consultation with the project's Registered Aboriginal Parties (RAPs) and local community members.
CM-H5	Before commencement of ground-disturbing works on site, the proponent will nominate a suitably qualified Excavation Director who complies with Criteria for Assessing Excavation Directors (Heritage Council of NSW 2019) to oversee and advise on matters associated with historical archaeology for the approval of the Secretary of the Department of Planning, Housing and Infrastructure in consultation with Heritage NSW. The Excavation Director must be present to oversee excavation, advise on archaeological issues and advise on the duration and extent of oversight required during archaeological excavations consistent with the approved Archaeological Research Design and Excavation Methodology.
CM-H6	An Archaeological Research Design and Excavation Methodology (ARDEM) will be completed for the project in accordance with the guideline Archaeological Assessments (Heritage Office and DUAP 1996) to inform and guide archaeological investigation. The ARDEM is to: a) Identify the potential archaeological resource on site, and how it will be impacted by the proposed works. b) Identify research questions to guide the archaeological program. c) Justify the proposed approach to investigation. d) Propose a methodology for archaeological investigation on site, including test excavation, archaeological monitoring, and/or salvage excavation as appropriate. e) Outline triggers for the completion of salvage excavations as appropriate. f) Provide an Unexpected Finds Procedure for the proposed works. g) Consider the inclusion of an artefact discard policy and procedure. h) Include clear triggers and hold points for the identification of substantially intact (and, if present, State significant) archaeological deposits/relics. If State significant archaeology is identified the hold points must require, and allow and allow for, consideration of redesign to avoid impacts. i) Provide a methodology for post-excavation analysis and reporting. Consider interactions with any proposed Aboriginal archaeological investigation. This must include provisions to be enacted if Aboriginal Objects are identified during historical archaeological investigation and vice versa, define when each methodology will be implemented, and outline the roles and responsibilities of staff on site in relation to Aboriginal heritage. The ARDEM will be provided to the Secretary of the Department of Planning, Housing and Infrastructure for approval in consultation with Heritage NSW.
CM-H7	It is proposed to archaeologically monitor the proposed earthworks in the southern most third of the eastern car park study area by suitably qualified archaeologists. If substantial in situ structural remains of the ha-ha are uncovered, works will cease Heritage NSW will be notified, and the remains cleaned and recorded in accordance with the methodology as outlined by the project nominated Archaeologist.
CM-H8	The remainder of the car parks will be managed under an Unexpected Heritage Finds Procedure. If unexpected historic relics are exposed, work would stop in the affected area and an AMBS Historic Archaeologist would be contacted to assess the integrity and significance of the exposed relic(s).
CM-H9	Heritage picket fence to the existing oval is flagged to be protected during works with a minimum clearance of 1.5m to be provided at all times.
CM-H10	A photographic archival record will be undertaken prior to demolition or ground disturbance, capturing the site's existing condition and historic elements where relevant
CM-H11	A Heritage Interpretation Plan must be prepared following formal consultation with the Aboriginal community, informed by the findings of the Aboriginal Cultural Heritage Assessment.
CM-H12	The temporary car parks will be monitored and clearly documented as non-permanent. A commitment to full removal and landscape reinstatement must be secured once no longer required.

CM-H13	Landscape and signage strategies will aim to strengthen visual and cultural connections to significant heritage features, including the Parramatta River, the Female Orphan School, and surrounding historical precincts.
C/M-NV	***Noise and Vibration***
CM-NV1	The indicative safe distances set out within the Noise and Vibration Assessment included at **Appendix AA** of the SSDA Amendment / RTS Report will be maintained. These indicative safe distances will be validated prior to the start of construction works by undertaking measurements of vibration levels generated by construction and demolition equipment to be used on site.
CM-NV2	Prior to the issue of a Construction Certificate (CC), a further detailed review will be undertaken (including additional noise measurements) to verify if future noise levels have increased resulting in a higher performing façade system.
CM-NV3	The Contractor will prepare a Construction Noise Vibration Management Plan (CNVMP).
CM-NV4	A site-specific Construction Noise Management Sub-Plan (CNVMSP) will be prepared to determine the exact noise and vibration mitigation measures that are to be implemented.
CM-NV5	The works will be undertaken in accordance with the Communications and Stakeholder Engagement Strategy set out in the Noise and Vibration Assessment prepared by Pulse White Noise Acoustics Pty Ltd (refer to **Appendix DD** of the of the SSDA Amendment / RTS Report).
CM-NV6	As part of the CNVMP, the following vibration mitigation measures will be implemented: • Any vibration generating plant and equipment is to be in areas within the site in order to lower the vibration impacts. • Investigate the feasibility of rescheduling the hours of operation of major vibration generating plant and equipment. • Use lower vibration generating items of construction plant and equipment; that is, smaller capacity plant. • Minimise conducting vibration generating works consecutively in the same area (if applicable). • Schedule a minimum respite period of at least 30 minutes before activities commence which are to be undertaken for a continuous 4-hour period. • Use only dampened rock breakers and/or “city” rock breakers to minimise the impacts associated with rock breaking works. • Conduct attended measurements of vibration generating plant at commencement of works to validate the indicative safe working distances advised in the Noise and Vibration Impact Assessment prepared by PWNA (dated 01/04/2025) and, consequently, to establish safe working distances suitable to the project. Measurements will be conducted at the nearest affected property boundary. These safe working distances will be defined by considering the vibration criteria (i.e., criteria for structural damage and human comfort).
CM-NV7	A detailed acoustic review of all building services will be undertaken prior to installation once final selections are made to ensure compliance.
CM-NV8	Acoustic mitigation measures will be formulated during the detailed design phase once plant selections are made.
CM-NV9	The contractor will, where reasonable and feasible, apply best practice noise mitigation measures. These measures will include the following: • Maximising the offset distance between plant items and nearby noise sensitive receivers. • Preventing noisy plant working simultaneously and adjacent to sensitive receivers. • Minimising consecutive works in the same site area. • Orienting equipment away from noise sensitive areas. • Carrying out loading and unloading away from noise sensitive areas.
CM-NV10	The contractor will take reasonable steps to control noise from all plant and equipment, such as efficient silencers and low noise mufflers.
CM-NV11	The contractor will apply all feasible and reasonable work practices to meet the Noise Management Levels as identified in the Noise and Vibration Assessment prepared by PWNA (dated 01/04/2025) and inform all potentially impacted residents of the nature of works to be carried out, the expected noise levels, duration of noise generating construction works, and the contact details for the proposal.
CM-NV12	Noise monitoring, if required, will be performed by an acoustical consultant directly engaged by the contractor.

CM-NV13	Noise monitoring for the excavation, compaction and construction works will be undertaken using statistical noise loggers. The statistical parameters to be measured will include the following noise descriptors: LA90, LA10 and LAeq. Noise measurements will be conducted over consecutive 15-minute periods.
CM-NV14	Noise monitoring will be complemented by undertaking attended noise measurements to: • Differentiate between construction noise sources and other extraneous noise events (such as road traffic and aircraft noise) • Note and identify any excessive noise emitting machinery or operation.
CM-NV15	In the event of any complaints, the noise impact at the affected location will be confirmed by conducting attended noise measurements.
CM-NV16	The survey methodology and any equipment will comply with the requirements discussed in Standard AS 1055.1- 2018.
CM-NV17	Exceedance of the site's NMLs will result in an investigation as to whether alternate equipment could be used, or a different process could be undertaken.
CM-NV18	For plant items which are static, in the event exceedances are being measured due to operation of the plant item, an acoustic enclosure/screen will be constructed to reduce impacts, constructed from Fibre Cement (FC) sheeting or, if airflow is required, acoustic attenuators or louvres.
CM-NV19	For semi mobile plant, relocation of plant will be investigated to either be operated in an enclosed space or at locations away from a receiver.
CM-NV20	For mobile plant, investigations will be undertaken to reduce noise if required.
CM-NV21	Vibration monitoring, if required, will be undertaken continuously at the nearest most affected structures. The monitoring location will be on a stiff part of the structure (at the foundation) on the side of the structure adjacent to the subject demolition and construction works.
CM-NV22	The vibration monitoring system will be configured to record the peak vibration levels and to trigger an audible/visual alarm when predetermined vibration thresholds are exceeded. The thresholds correspond to an "Operator Warning Level" and an "Operator Halt Level", where the Warning Level is 75% of the Halt Level. The Halt Level will be determined based on the vibration criteria for building contents and structure.
CM-NV23	Exceedance of the "Operator Warning Level" will not require excavation or demolition work to cease, but rather, alerts the site manager to proceed with caution at a reduced force or load. An exceedance of the "Operator Halt Level" will require the contractor to implement an alternative excavation technique pending further analysis of the vibration frequency content in order to determine any potential exceedance of the criteria.
CM-NV24	The vibration monitoring will would be downloaded and analysed by the acoustical consultant.
CM-NV25	Reports of the measured vibration levels and their likely impacts will be prepared by the acoustical consultant and issued to the contractor.
CM-NV26	Contingency plans will be required to address noise or vibration problems if excessive levels are measured at surrounding sensitive receivers and/or if justified complaints occur. Such plans will include: • Stop the onsite works. • Identify the source of the main equipment within specific areas of the site which is producing the most construction noise and vibration at the sensitive receivers; and • Review the identified equipment and determine if an alternate piece of equipment can be used or the process can be altered. • In the event an alternate piece of equipment or process can be used, works can re-commence. • In the event an alternate piece of equipment or process cannot be determined implement a construction assessment to be performed by a suitably qualified acoustic consultant.
CM-NV27	AS 2436-2010 "Guide to Noise and Vibration Control on Construction, Demolition and Maintenance Sites" sets out numerous practical recommendations to assist in mitigating construction noise emissions. Examples of strategies that will be implemented are detailed in the Noise and Vibration Impact Assessment prepared by PWNA (dated 01/04/2025).

CM-NV28	The contractor shall use the best available techniques not entailing excessive cost to meet DECCW's construction noise and vibration requirements as far as practicable. Reference will be made to DECCW's "Interim Construction Noise Guideline (July 2009).
CM-NV29	For projects with a construction period longer than three weeks demolition and construction noise will be limited to DECCW's "Interim Construction Noise Guideline (July 2009)", which provides for a construction noise level of background plus 10 dB(A) and LAeq 75 dB(A) during recommended standard hours (Monday to Friday 7:00am-6:00pm, Saturday 8:00am-1:00pm, and no work on Sundays or public holidays) and a construction noise level of background plus 5 dB(A) outside standard hours.
CM-NV30	All reasonable practical steps shall be undertaken to reduce noise and vibration from the site.
CM-NV31	Construction noise shall be attenuated with the use of screening, acoustic enclosures, engine silencing and substitution by alternative processes to reduce noise emission levels from typical construction equipment. In addition to these physical noise controls, the following general noise management measures shall be followed.
CM-NV32	Plant and equipment shall be properly maintained.
CM-NV33	Equipment shall be checked and calibrated to the appropriate design requirements and to ensure that maximum sound power levels are not exceeded.
CM-NV34	Where possible, plant shall be strategically positioned on site to reduce the emission of noise to the site, surrounding neighbourhood and to site personnel.
CM-NV35	Unnecessary noise shall be avoided when carrying out manual operations and operating plant.
CM-NV36	Any equipment not in use for extended periods during construction work shall be switched off.
CM-NV37	Good relations with people living and working in the vicinity of the construction site shall be established at the beginning of the project and be maintained throughout the project. Any complaints shall be registered, and then addressed seriously and expeditiously.
CM-VI	***Visual Impact***
CM-VI1	The Indigenous Centre of Excellence will be constructed in accordance with the primary mitigation measures incorporated into the design development, as highlighted in the Visual Impact Assessment, provided at **Appendix NN** of the of the SSDA Amendment / RTS Report.
CM-CDW	***Construction and Demolition Waste***
CM-CDW1	The Construction Contractor will implement the Waste Management Plan during the construction phase of development (refer to **Appendix YY** of the of the SSDA Amendment / RTS Report).
CM-CDW2	The Construction Contractor will be responsible for implementing this Waste Management Plan (Rev C – dated 25/06/2024), although site staff have a responsibility to ensure their own compliance at all times. Where possible, an Environmental Management Representative (EMR) will also be appointed for the project to help ensure compliance.
CM-CDW3	The following measures will be taken to improve demolition and construction waste management in future and to provide more reliable waste generation figures: • 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.
CM-CDW4	Records of waste volumes recycled, reused or contractor removed will be maintained. Additionally, dockets/receipts verifying recycling/disposal in accordance with the Waste Management Plan (Rev C – dated 25/06/2024) will be kept and presented to Council or the EPA if and when required.
CM-CDW5	Daily visual inspections of waste storage areas will be undertaken by site personnel and inspection checklists/logs recorded for reporting to the Site Manager on a weekly basis or as required. These inspections will be used to identify and rectify any resource and waste management issues.
CM-CDW6	Waste audits will be carried out by the Building Contractor to gauge the effectiveness and efficiency of waste segregation procedures and recycling/reuse initiatives. Where audits show that the above

	procedures are not carried out effectively, additional staff training will be undertaken and signage re-examined.
CM-CDW7	All environmental incidents will be dealt with promptly to minimise potential impacts. An incident register will be maintained on-site at all times and will include the contact details of the 24-hour EPA Pollution line.
CM-CDW8	Adaptive reuse of building materials will be encouraged, with significant consideration given to methods of reusing or recycling materials onsite as well as sourcing used or recycled materials from elsewhere to be used on site.
CM-CDW9	The site will facilitate where practical reuse and recycling by 'deconstruction', whereby various materials are carefully dismantled and sorted. Any unwanted reusable materials will be taken to a second-hand building centre, reducing waste disposal costs.
CM-CDW10	Materials that are individually wrapped will be avoided where possible, with preference given for materials that can be delivered in returnable packaging such as timber pallets.
CM-CDW11	During the construction phase of the development, there will be a commitment to engage qualified and certified contractors to remove all contaminated/hazardous materials (e.g. asbestos) and dispose of all contaminated/hazardous waste at an appropriately licenced facility, where applicable.
CM-CDW12	In the event that any contaminated or hazardous materials are unexpectedly uncovered during demolition or excavation works, the Site Manager will stop work immediately in that location and contact the relevant hazardous waste contractor prior to further works being undertaken in the area.
CM-CDW13	Contaminated material stockpiled on site will be minimised as far as possible and will be stored on HDPE liner, in a bunded location which is protected from inclement weather.
CM-CDW14	Sediment fences will be installed around the base of stockpiles and the stockpiles will be covered. Where excavated material requires validations, samples will be taken for NATA laboratory testing as per the requirements of the contamination assessment prior to restoration works, backfilling exercises and disposal.
CM-CDW15	Any trucks carrying contaminated materials will be securely and completely covered immediately after loading the materials (to prevent windblown emissions and spillage) and will be licensed by the NSW Environmental Protection Authority (EPA).
CM-CDW16	Decontamination of all equipment prior to demobilisation from the site will be undertaken.
CM-CDW17	All excavated material generated on this site will be re-used in the landscaping or used on other sites as fill material, provided no contamination is present. If sandstone is found to be present, this will be sold or incorporated into the building design.
CM-CDW18	Wherever practical, excavation material will be reused as part of the development.
CM-CDW19	Excavation material that is not natural (virgin) material will be transported to an approved landfill site or off-site recycling depot.
CM-CDW20	A waste classification assessment of the fill material will be undertaken prior to it being acceptable for waste disposal purposes.
CM-CDW21	Transportation routes for excavation material removed from site will be identified and used.
CM-CDW22	A demolition contractor will be engaged during this phase of the project. The contractor will be responsible for ensuring all demolition activities are planned and undertaken in accordance with relevant waste minimisation policies and DA requirements.
CM-CDW23	Waste generated during the construction stage of the development will be managed by the principal contractor and sub-contractors, with materials being reused and recycled wherever possible. Where neither reuse nor recycling are possible, waste will be disposed of as general waste at a licensed landfill site.
CM-CDW24	Construction and demolition materials removed from site will be managed in accordance with the provisions of current legislation and will include segregation by material type classification in accordance with NSW EPA (2014) *Waste Classification Guidelines, Part 1: Classifying Waste* and disposal at facilities appropriately licensed to receive the particular materials.
CM-CDW25	All staff employed during the demolition and construction stages of the development will undertake site-specific induction training regarding the procedures for waste management.

	Employees of the head contractor will undertake a specific induction outlining their duties and how they are to enforce the waste management procedures.
CM-CDW26	The following measures will be adopted during material selection and ordering: • Selection of all materials will be undertaken by architectural designers; • Prefabrication of materials off-site where possible; • Materials requirements are to be accurately calculated to minimise waste from over-ordering; • Materials ordering process is to aim at minimisation of materials packaging; • Material Safety Data Sheets (MSDS) are to accompany all materials delivered to site, where required, to ensure that safe handling and storage procedures are implemented.
CM-CDW27	The following waste avoidance opportunities will be implemented: • Limiting unnecessary excavation; • Selection of construction materials taking into consideration to their long lifespan and potential for reuse; • Ordering materials to size and ordering pre-cut and prefabricated materials; • Reuse of formwork; • Planned work staging; • Use of naturally ventilating buildings to reduce ductwork; • Reducing packaging waste on-site by returning packaging to suppliers where possible, purchasing in bulk and requesting cardboard or metal drums rather than plastics; • Requesting metal straps rather than shrink wrap and using returnable packaging such as pallets and reels; • Reduction of PVC use; • Use of low VOC (volatile organic compounds) paints, floor coverings and adhesives; • Use of fittings and furnishings that have been recycled or incorporate recycled materials; • Use of building materials, fittings and furnishings with consideration to their longevity, adaptation, disassembly, reuse and recycling potential.
CM-CDW28	The following site procedures will be implemented: • Excavated materials will be used onsite where practical; • Green waste will be mulched and reused in landscaping either onsite or offsite; • Concrete, tiles and bricks will be reused or recycled offsite; • Steel will be recycled offsite; all other metals will be recycled where economically viable; • Framing timber will be reused on-site or recycled off-site; • Windows, doors and joinery will be recycled off-site where possible; • Plumbing, fittings and joinery will be recycled off-site where possible; • Plasterboard will be re-used in landscaping on-site or returned to the supplier for recycling where possible; • All used crates will be stored for reuse unless damaged; • All glass that can be economically recycling will be; • All solid waste timber, brick, concrete, rock, plasterboard and other materials that cannot be reused or recycled will be taken to an appropriate facility for treatment to recover further resources or for disposal to landfill in an approved manner; • All asbestos, hazardous and/or intractable wastes are to be disposed of in accordance with WorkCover Authority and EPA requirements; • Provision for the collection of batteries, fluorescent tubes, smoke detectors and other recyclable resources will be provided on site; • Beverage container recycling will be provided on-site for employee use; • All waste and recycling will be disposed of via council approved systems.
CM-CDW29	All waste management facilities onsite will: • Be conveniently located to enable easy access for on-site movement and collection; • Be incorporated with other loading/unloading facilities; • Have sufficient space for the quantity of waste generated and careful source separation of recyclable materials; • Have sufficient space to contain any on-site treatment facilities, such as compaction equipment; • Have adequate weather protection and, where required, be enclosed or undercover; • Be secure and lockable; • Be well-ventilated and drained to the sewer;

	• Be clearly sign-marked to ensure appropriate use.
CM-CDW30	A sufficient quantity of skip bins will be provided for the separate storage of each type of C&D material generated on site.
CM-CDW31	If the developer chooses to adopt a traditional waste management strategy, whereby waste is deposited into comingled skip bins to be sorted offsite, a single skip bin will be provided. However, if the site is to pursue source separation, dedicated skips for the following materials will be provided: • Timber; • Plasterboard; • Concrete; • Bricks; • Scrap metal; • General waste.
CM-CDW32	Separate receptacles for the safe disposal of hazardous waste types (i.e. light bulbs, batteries, etc) will be provided. Where possible, additional bins will be provided in common areas for the collection of commingled recyclables such as beverage containers (glass, plastic, aluminium), paper products, recyclables food containers, etc. Specialised bins for cigarette butts will be provided.
CM-CDW33	The following safety measures will be considered for the waste storage area: • Location will not interfere with sight lines of drivers entering or leaving the site; • Skip bins will be clearly visible and located in well-lit areas; • Safe paths of travel will 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.
CM-CDW34	Standard signage will be installed in all waste areas, with all skip bins colour coded and labelled appropriately on all sides to allow clear identification of the type of waste to be deposited into each bin.
CM-CDW35	Where space is restricted, dedicated stockpile areas will be allocated onsite, with regular transfers to the dedicated skip bins for sorting and collections.
CM-CDW36	Skip bins will be monitored on a daily basis by the Site Manager to ensure they do not overflow. If skip bins are reaching capacity, removal and replacement will be organised for within 24 hours. All skip bins leaving the site will be covered with a suitable tarpaulin to reduce spillage of waste while in transit.
CM-CDW37	All waste collection for construction works will be conducted between approved hours as per Council requirements (typically between 7am and 7pm Monday to Friday, and between 7am and 1pm on Saturdays). All waste generated on site will be transported to an approved and appropriately licensed resource recovery facility and/or landfill site.
CM-CDW38	All waste generated by the project, shall be beneficially reused, recycled or directed to a waste facility lawfully permitted to accept the materials in accordance with the DECCW's "Waste Classification Guidelines (2008)" and the Protection of the Environment Operations Act 1997.
CM-CDW39	Where available, recyclable site and construction waste shall be recycled in accordance with the NSW Government's "Waste Reduction and Purchasing Policy (WRAPP guidelines)". Waste oil shall be sent to approved recyclers.
CM-CDW40	No burning or burying of wastes shall be permitted on site.
CM-CDW41	Non-recyclable waste and containers shall be regularly collected and disposed of at a licensed landfill or other licensed disposal sites in the area.
CM-CDW42	Any bulk garbage bins delivered by authorised waste contractors shall be placed and kept within the Campus boundary.
CM-CDW43	Waste management practices for the Proposal shall follow the resource management hierarchy principles embodied in the Waste Avoidance and Resource Recovery Act 2001. These practices include: avoid unnecessary resource consumption; recover resources (including reuse, reprocessing, recycling and energy recovery); and dispose (as a last resort).
CM-AQ	***Air Quality***

C/M-AQ1	Spraying of paint and other materials with the potential to become air borne particulates shall only be undertaken in still or light wind conditions.
C/M-AQ2	No burning of vegetation, waste or other materials shall be permitted on site or at the construction compound.
C/M-AQ3	Dust generation during construction activities shall be controlled by regular control measures such as on-site watering.
C/M-AQ4	Areas of open excavation shall be kept to a minimum.
C/M-AQ5	Use of mesh and shade cloth fences shall be used around open excavation areas as required to reduce wind velocity and also trap any wind born objects.
C/M-AQ6	Construction vehicles and equipment shall be suitably serviced within the six-month period prior to commencement of construction activities and all necessary maintenance undertaken during construction period. In addition, where practicable, the excessive use of vehicles and powered construction equipment shall be avoided.
C/M-AQ7	Regular removal of loose materials.
C/M-AQ8	Mud deposited on the road network due to truck movements to and from the site shall be either prevented or cleaned up immediately.
CM-CT	***Construction Traffic***
C/M-CT1	Appropriate hoarding or fencing will be provided at construction site boundary.
C/M-CT2	Construction traffic movements will be scheduled outside peak periods where possible. However, some movements will be necessary from time to time such as for significant concrete pours which cannot be interrupted. Therefore, additional measures for minimisation and management of these impacts will be required and would be determined in advance based on the nature of the event.
C/M-CT3	A Construction Worker Transport Strategy will be prepared and implemented by the Contractor to encourage alternate transport modes, and reductions in car usage by construction workers, to minimise demand for on-street car parking.
C/M-CT4	A detailed swept path analysis will be conducted to ensure sufficient manoeuvring clearance. Structural capacity of nearby local roads will also be investigated and exclude such roads from construction vehicle routes if any roads are incapacitated for oversized trucks.
C/M-CT5	Sufficient communication measures are to be implemented to ensure nearby neighbours are well-informed of any project updates.
C/M-CT6	During days of high estimated vehicle movements, communication between the site and incoming vehicles will be maintained to stagger the arrival of vehicles, in order for them to be accommodated within the worksite and to minimise traffic disruptions.
C/M-CT7	Loading and unloading activities will occur within the site, at the nominated vehicle zones, or within any approved Works Zone. Truck movements to and from the site will be scheduled outside peak hours where possible to reduce impacts to the local and state road network. All deliveries are to be made within the approved work hours.
C/M-CT8	Non-tonal reversing beepers (or an equivalent mechanism) will be fitted and used on all construction vehicles and mobile plants regularly used on-site (i.e., greater than one day) and for any out of hours work.
C/M-CT9	All construction vehicles will travel on the main road network (such as motorways and arterial roads) as far as practical, except where strictly required to reach the construction site.
C/M-CT10	A detailed Construction Traffic Management Plan will be prepared by the appointed contractor prior to construction, documenting the construction duration of each stage along with their respective traffic arrangements and details. The structural capacity of local roads (namely, Bridge Street) in the vicinity will also be investigated in the detailed CTMP to ensure such roads possess adequate weight capacities, where relevant.
C/M-CT11	All trucks will enter and exit the site in a forward direction only. Reverse manoeuvres will occur within the WSU site and would be managed under traffic control.

C/M-CT12	The site manager will be responsible for liaising with the site manager of the surrounding construction projects once identified. Communication across sites will ensure: • Overall project programs will be identified and shared. • High-volume days or periods (such as concrete pours) will be communicated, and where possible will be coordinated to avoid excessive impact to the road network. • Oversize / overmass delivery days will be communicated, and where possible will be coordinated to avoid excessive impact to the road network. • Traffic control measures (including Traffic Control Plans / Traffic Guidance Schemes) will be shared if these are relevant to construction vehicle routes for surrounding projects.
C/M-CT13	Community notification will be undertaken as per TfNSW requirements and includes (but is not limited to): • Temporary notification signage installed around the site and affected areas highlighting the upcoming changes / impact. • Door knocks to immediately surrounding stakeholders advising them of the upcoming works. • Mailbox drops within a set radius around the project distributing the monthly project updates. • Project specific website containing project updates, notifications, planning documents, and contact numbers. • Project specific distribution lists that can be signed up to by members of the public who wish to receive notifications electronically.
C/M-CT14	Prior to issue of the relevant Construction Certificate, the P1 Replacement Car Park is to be operational as detailed in the Traffic Impact Assessment.
C/M-CT15	The PCA will ascertain that any new element in the carpark not illustrated on the approved plans such as columns, garage doors, fire safety measures and the like do not compromise appropriate manoeuvring and that compliance is maintained with AS 2890.1, AS2890.2 and AS 2890.6. Details will be illustrated on plans submitted with the construction certificate application.
C/M-CT16	The applicant will submit an application for a Road Occupancy Permit through Council's Traffic and Transport Services, prior to carrying out the construction/restoration works.
C/M-CT17	The applicant will submit an application for an Oversize Vehicle Access Permit through NHVR's portal, prior to driving through local roads within the City of Parramatta LGA.
C/M-CT18	Transport of contaminated material from the site and imported material to the site shall be via a clearly delineated haul route(s) and this route shall be used exclusively for entry and egress of vehicles used to transport contaminated materials within and away from the site, and onto and within the site. The proposed transport route(s) (to be determined by the Remediation Contractor) will be notified to Council and truck dispatch shall be logged and recorded by the Remediation Contractor for each load leaving or arriving the site. A record of the truck dispatch will be provided to the Environmental Consultant. All haulage routes for trucks transporting soil, materials, equipment or machinery to and from the site must be selected to meet the following objectives: • Comply with all road traffic rules; • Minimise noise, vibration and dust to adjacent premises; and • Use State roads and minimise use of local roads as far as practicable. The remediation work will be conducted such that all vehicles: • Conduct deliveries of soil, materials, equipment or machinery only during the specified hours of remediation; • Have securely covered loads to prevent any dust or odour emissions during transportation; and • Exit the site in a forward direction.
C/M-IU	***Infrastructure and Utilities***
C/M-IU1	The Proponent will undertake the necessary augmentation works as specified within the Utility Statement prepared by Steensen Varming (refer to **Appendix O** of the of the SSDA Amendment / RTS Report) and the supporting letter to the Sydney Water Corporation prepared by Warren Smith Consulting Engineers (refer to **Appendix P** of the original SSDA EIS).
C/M-IU2	An application will be made to request an additional Wastewater (Sewer drainage) connection to the DN225 SWC asset within the project area.
C/M-IU3	Prior to the issue of an Occupation/Subdivision Certificate, a compliance certificate will be obtained from Sydney Water, under Section 73 of the Sydney Water Act 1994.

C/M-IU4	Prior to the issue of a Construction Certificate/ Complying Development Certificate, the plans must be approved by Sydney Water prior to demolition, excavation or construction works commencing. Any amendments to plans will require re-approval.
C/M-IU5	The Proponent will undertake the necessary augmentation works as specified within the Utility Services Response to Submissions prepared by Steensen Varming.
C/M-IU6	Prior to commencement of construction activities, any services near the building site which will be impacted by the works shall be accurately located.
C/M-SI	***Social Impact***
C/M-SI1	A green travel plan will be prepared for the construction and operational stages of the project to reduce the use of private vehicles.
C/M-SI2	A construction traffic management plan will be required prior to works commencing. The plan will recommend measures to divert construction traffic from local streets and limit the impact of construction workforce parking in nearby residential streets.
C/M-SI3	A noise and vibration assessment will be prepared prior to works commencing that introduces measures to minimise construction noise for surrounding residents and minimise the impacts of construction noise on WSU students and staff, particularly during examinations of other events.
C/M-SI4	The Proponent will ensure ongoing engagement with First Nations stakeholders.
C/M-SI5	The Contractor will prepare and implement a Construction Worker Transport Strategy to encourage alternate transport modes, and reductions in car usage by construction workers, to minimise demand for on-street car parking.
C/M-SI6	The Contractor will communicate with any sensitive receivers prior to any potential high noise or significant dust making activities to advise of the pending activity and assist with appropriate noise and dust reduction measures.
C/M-SI7	The Contractor will include the addition and use of air quality monitors, as required.
C/M-SI8	The Contractor will conduct ongoing noise monitoring to confirm measured levels are consistent with predictions in the acoustic assessment, and to verify that the mitigation procedures are appropriate for the affected receivers.
C/M-SI9	The Contractor will provide offers of respite to stakeholders subjected to an ongoing noise impact where required.
C/M-SI10	Where required, the Contractor will consider alternative construction options that achieve compliance with relevant criteria.
C/M-SI11	The Contractor will maximise the offset distance between plant items and nearby noise sensitive receivers.
C/M-SI12	The Contractor will prevent noisy plant working simultaneously and adjacent to sensitive receivers.
C/M-SI13	The Contractor will minimise consecutive works in the same site area.
C/M-SI14	The Contractor will orient equipment away from noise sensitive areas.
C/M-SI15	The Contractor will carry out loading and unloading away from noise sensitive areas.
C/M-SI16	The Contractor will develop an issues register for ease of documentation of concerns throughout the construction and transition process to ensure that issues are addressed timely and adequately.
C/M-SI17	The Proponent will continue the frequent distribute project information to First Nations stakeholders during the construction stage emphasising participation in detailed design stages.
C/M-SI18	The development will add more trees around the lone melaleuca tree in the centre of the car park.
C/M-SI19	The Proponent will hold a Welcome to Country and smoking ceremony before the start of test excavations, and a smoking ceremony to close out once excavations are finished.
C/M-SI20	The Contractor will have both male and female RAPs present on site in the case that either men's or women's business artefacts/archaeological features are identified.

C/M-FI	***Flood***
C/M-FI1	The Contractor will minimise disturbance and harm to the area via use of a sediment control and erosion plan, to be implemented prior to the construction phase of the project.
C/M-FI2	The Proponent will follow the flood emergency response procedure for the ICoE as set out in the Flood Impact Assessment prepared by GRC Hydro, provided at **Appendix N** of the of the SSDA Amendment / RTS Report.
C/M-FI3	The proposed development will have a finished floor level of 9.0mAHD.
C/M-FI4	The development will: • maintain or rehabilitate a Riparian Corridor (RC)/Vegetated Riparian Zone (VRZ) with fully structured native vegetation in accordance with Table 1 Controlled activities – Guidelines for riparian corridors on waterfront land Department of Planning and Environment 4 • minimise disturbance and harm to the recommended RC/VRZ • minimise the number of creek crossings and provide perimeter road separating development from the RC/VRZ • locate services and infrastructure outside of the RC/VRZ. Within the RC/VRZ provide multiple service easements and/or utilise road crossings where possible • treat stormwater run-off before discharging into the RC/VRZ.
C/M-SW	***Stormwater***
C/M-SW1	Any damage from construction to the ground surface shall be restored to pre-construction condition on completion of works.
C/M-SW2	Any loose material stockpiles shall be located within the temporary construction compounds and be protected from possible erosion.
C/M-SW3	Protect all stockpiles of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
C/M-SW4	All soil and water control measures are to be put back in place at the end of each working day, and modified to best suit site conditions.
C/M-SW5	All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
C/M-SW6	All vehicles leaving the site shall be cleaned and inspected before leaving.
C/M-SW7	Maintain all stormwater pipes and pits clear of debris and sediment. inspect stormwater system and clean out after each storm event.
C/M-SW8	Manage stormwater during remediation works to mitigate potential adverse impacts from surface runoff (e.g cross contamination, mobilisation of contaminants in soil particles, etc). The Remediation Contractor will take appropriate measures including: • Construction, where necessary, of stormwater diversion channels, bunding and linear drainage sumps with catch puts in and around the remediation areas to divert stormwater from the contaminated areas; • Provision of appropriately located sediment traps including geotextiles; and • Discharge of excess water in excavations / low points on a regular basis to limit the potential for flooding.
C/M-SW7	Any runoff or seepage water accumulated in site excavations that requires removal must initially be sampled and tested for suspended solids, pH and any contaminants of potential concern (CoPC) as identified by the Environmental Consultant. The options for management of excavation pump-out water, dependent upon the test results, are for disposal of the water as follows: • Discharge to stormwater with prior approval from Council. Provided the test results comply with relevant ANZG Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, 2018), or any other compliance requirements stipulated by Council. The Environmental Consultant must consider the most appropriate criteria to be used; or • Discharge to sewer, as industrial trade wastewater, with prior approval from Sydney Water. This option would require the analysis of a larger list of analytes, and compliance with the Sydney Water acceptance standards; or • Pumping by a liquid waste contractor for removal of the water off-site, in accordance with regulatory requirements.
C/M-TP	***Tree Protection***

C/M-TP1	All tree removal work will be carried out by an arborist with a minimum AQF Level 3 qualification in Arboriculture, in accordance with Australian Standard AS4373-2007, Pruning of Amenity Trees (AS4373), the Work Health and Safety Act 2011, and Work Health and Safety Regulations 2017.
C/M-TP2	Minor vegetation trimming will be required to accommodate construction clearances. Standard pruning specifications are outlined below: • Pruning will not exceed 10% of the overall canopy volume. • No limbs greater than 150mm in diameter will be removed. • The final pruning cut will be at the branch collar or growth point in accordance with AS4373. • All tree pruning work will be carried out by an arborist with a minimum AQF Level 3 qualification in Arboriculture, in accordance with AS4373 and the NSW WorkCover Code of Practice for the Amenity Tree Industry (1998).
C/M-TP3	Tree protection fencing will be established at the locations shown in the Tree Protection Plan, provided at **Appendix CC** of the of the SSDA Amendment / RTS Report. Tree protection fencing must be installed prior to site establishment and remain intact until the completion of works. Once erected, protective fencing must not be removed or altered without the approval of the project arborist. Specifications for the tree protection fencing are as follows: • Temporary mesh panel fencing (minimum height of 1.8m). • Installed prior to site establishment and remain intact until the completion of works. • Protective fencing must not be removed or altered without the approval of the project arborist. • Prominently signposted with 300mm x 450mm boards stating, “NO ACCESS - TREE PROTECTION ZONE.” • Certified and inspected by the project arborist.
C/M-TP4	Certain activities are excluded from the identified Tree Protection Zone, as shown in **Appendix CC** of the of the SSDA Amendment / RTS Report, including, but not limited to; machine excavation and trenching, ripping or cultivation of the soil, storage of building materials, waste, and waste receptacles, disposal of waste materials and chemicals, including paint, solvents, cement slurry, fuel, oil, and other toxic liquids, movement and storage of plant, equipment, and vehicles, soil level changes, including the placement of fill material, mechanical removal of vegetation, affixing of signage or hoardings to trees, other physical damage to the trunk or root system, and any other activity that is likely to cause damage to the tree.
C/M-TP5	Where the provision of tree protection fencing is impractical or must be temporarily removed, trunk protection will be installed to avoid accidental mechanical damage.
C/M-TP6	Ground protection will be installed if temporary access for vehicle, plant or machinery is required within the Tree Protection Zone. Where possible, areas of the existing pavement will be used as ground protection.
C/M-TP7	Demolition works within Tree Protection Zone will be supervised by the Project Arborist. Any demolition machinery will operate from inside the footprint of the existing structures or outside the Tree Protection Zone, to minimise soil disturbance and compaction. Where this is not possible outside the Tree Protection Zone of trees to be retained, ground protection will be required. The demolition will be undertaken inwards into the footprint of the existing structures.
C/M-TP8	Where possible, underground services will be routed outside of the TPZ. If underground services need to be installed within the TPZ, they must be installed using tree-sensitive excavation methods under the supervision of the project arborist.
C/M-TP9	All excavations and root pruning work will be undertaken in accordance with Australian Standard 4373: Pruning of Amenity Trees (2007) and Australian Standard 4970: Protection of Trees on Development Sites.
C/M-TP10	All excavations (including root investigations) within the Tree Protection Zone will be carried out using tree-sensitive methods under the supervision of the project arborist.
C/M-TP11	Manual excavation, air spade, or hydro-vacuum will be utilised excavation lines within the Tree Protection Zone prior to the commencement of mechanical excavation. Excavation will be a depth of 1 metre (or to unfavourable root growth conditions such as bedrock or heavy clay, if agreed by the project arborist). Any conflicting roots will be pruned using clean, sharp secateurs or a pruning saw to ensure a clean cut, free from tears. All root pruning will be documented and carried out by the project arborist. After all root pruning is completed, machine excavation is permitted within the footprint of the structure.

C/M-TP12	Manual excavation, air spade, or hydro-vacuum will be utilised at the location of pier footings within the Tree Protection Zone. Any conflicting roots will be pruned using clean, sharp secateurs or a pruning saw to ensure a clean cut, free from tears. All root pruning will be documented and carried out by the project arborist. After all root pruning is completed, machine excavation is permitted within the footprint of the structure.
C/M-TP13	Underground services will be installed using tree-sensitive excavation methods if required within the Tree Protection Zone, under the supervision of the project arborist. Alternatively, boring methods such as horizontal directional drilling (HDD) will be used for underground service installation, providing the installation is at a minimum depth of 800mm below grade. Excavations for entry/exit pits must be located outside the Tree Protection Zone.
C/M-TP14	Any conflicting roots greater than 50mm in diameter identified during the supervised excavations shall be pruned using clean, sharp secateurs or a pruning saw to ensure a clean cut, free from tears. All root pruning (>50mm) must be documented and carried out by the project arborist.
C/M-TP15	The remnant woodland paperbark Melaluca linarifolia near the centre of the development area will be protected from damage during construction in accordance with the recommendations included in the Arboricultural Impact Assessment & Tree Protection Plan.
C/M-TP16	Tree inspections will be conducted by the project arborist at the following key project stages: • Prior to any work commencing on-site (including demolition, earthworks, or site clearing) and following the installation of tree protection. • During any excavations, building works, and any other activities carried out within the TPZ of any tree to be retained & protected. • A minimum of once per 12 weeks (every 3 months) during the construction phase for trees with a major encroachment within the TPZ. • After all major construction has ceased, following the removal of tree protection.
C/M-TP17	The project manager will notify the project arborist prior to any works within the TPZ of any protected tree at a minimum of 48 hours' notice.
C/M-TP18	Where approved works are required within the TPZ, fencing will be setback to provide construction access. Trunk, branch, and ground protection shall be installed and must comply with AS4970. Any additional construction activities within the TPZ of the subject trees must be assessed and approved by the project arborist.
C/M-OT	**Operational Traffic**
C/M-OT1	The proposed development must demonstrate that it meets the minimum physical infrastructure, operational measures and external improvements provided in Table 29 of **Appendix P** of the SSDA Amendment / RTS Report prior to an Occupation Certificate being issued.
C/M-OT2	The proposed development must be designed with consideration of the following road safety recommendations: • The site access points, building entries and areas of main pedestrian activity are located away from Victoria Road, with access from Fifth Street. • The ICoE entry points tie into the existing zebra crossings on Fifth Street, providing safe connection across the roadway and across to the network of footpaths on-campus. • The vehicle access points are located away from the main pedestrian entry points to the ICoE and other university buildings, where minimal pedestrian activity is expected. • A direct footpath connection is provided from the Elders car park to the building, so that pedestrians do not have to walk around via the roadway to access the building. • The internal service road and loading dock are located at the back of the building away from areas of pedestrian activity.
C/M-WSUD	***Water Sensitive Urban Design***
C/M-WSUD1	The detailed design of the proposed development must be consistent with the proposed reconfiguration of WSUD elements provided in section 3 of **Appendix U** of the SSDA Amendment / RTS Report.
C/M-WSUD2	Maintenance of WSUD elements proposed are required in order to ensure ongoing operation and performance: • Periodic maintenance of the underground rainwater storage tank is required to remove any accumulated sediments using high pressure washers and vacuum pumps.

	• Disinfection and water quality treatment for rainwater tanks is required, using enhanced filtering and ultra violet disinfection plant equipment. • Pumps and rainwater tank plumbing are required to be fitted out with devices capable of switching over to potable water supplies, if necessary. • Regular maintenance of swales including weeding, trimming and periodic infill planting is required. • Wetland maintenance tasks including desilting, weeding or trimming and periodic infill planting is required. Desilting activities will not need to be frequent due to the nature of the upstream sub-catchments (roof and landscaped areas) and the existence of the rainwater tank and swale. The upstream end of the wetland is to be configured as a deeper pond which can act as a sediment trap but it is expected that cleanout frequency will need to be in the range of 20 - 30 years; and be undertaken as a complete re-set of the wetland vegetation at that time. • The bioretention system maintenance requirement is that it needs to be accessible via the proposed car parking areas so that litter collection, removal of sediments, weeding or trimming and periodic infill planting can be tended to. A re-set of the bioretention system will be required at 10 to 20 year intervals and would comprise removal and replacement of the top-most 100mm of bioretention media and vegetation.
C/M-RAP	***Remediation Action Plan***
C/M-RAP1	Transport of contaminated material from the site and imported material to the site shall be via a clearly delineated haul route(s) and this route shall be used exclusively for entry and egress of vehicles used to transport contaminated materials within and away from the site, and onto and within the site. The proposed transport route(s) (to be determined by the Remediation Contractor) will be notified to Council and truck dispatch shall be logged and recorded by the Remediation Contractor for each load leaving or arriving the site. A record of the truck dispatch will be provided to the Environmental Consultant. All haulage routes for trucks transporting soil, materials, equipment or machinery to and from the site must be selected to meet the following objectives: • Comply with all road traffic rules; • Minimise noise, vibration and dust to adjacent premises; and • Use State roads and minimise use of local roads as far as practicable. The remediation work will be conducted such that all vehicles: • Conduct deliveries of soil, materials, equipment or machinery only during the specified hours of remediation; • Have securely covered loads to prevent any dust or odour emissions during transportation; and • Exit the site in a forward direction.
C/M-RAP2	Dust emissions must be confined within the site boundary as far as is practicable. The following example dust control procedures must be employed to comply with this requirement, as necessary: • Erection of dust screens around the perimeter of the site (as applicable); • Securely covering all loads entering or exiting the site; • Use of water sprays across the site to suppress dust; • Stockpiles shall be lightly conditioned by sprinkler or covered by geotextile or similar cover to prevent dust generation (if remaining overnight); • Stockpiles impacted, or potentially impacted, with asbestos must be covered by geotextile or similar cover to prevent dust generation; • Include wheel wash (if applicable); and • Keeping excavation and stockpile surfaces moist.
C/M-RAP3	No odours will be detected at any boundary of the site during remediation works by an authorised Council Officer relying solely on sense of smell. The following example procedures must be employed to comply with this requirement as necessary: • Use of appropriate covering techniques such as plastic sheeting, polythene or geotextile membranes to cover excavation faces or stockpiles; • Fine spray of water and/or hydrocarbon mitigating agent on impacted areas / stockpiles or loads to lightly condition the material; • If required, restrict uncovered stockpiles to appropriate sizes to minimise odour generation; • Ceasing works during periods of inclement weather such as high winds or heavy rain; • Regular checking of the fugitive dust and odour issues to ensure compliance. Undertake immediate remediation measures to rectify any cases of excessive dust or odour (e.g. use of misting sprays or odour masking agent); and • Adequate maintenance of equipment and machinery to minimise exhaust emissions.

C/M-RAP4	All site work must be undertaken in a controlled and safe manner with due regard to potential hazards, training and safe work practices. To attain this the SWMS developed by the Remediation Contractor must comply with policies specified in the Work Health and Safety Regulation 2011.
C/M-RAP5	All appropriate permits, licences and notifications required for the remediation activities must be obtained prior to the commencement of remediation works.
C/M-RAP6	Appropriate fencing and signage must be installed around and within the site to prevent unauthorised access and restrict access to remediation areas and/or deep excavations. Access restrictions and administrative arrangements for management of entry of workers or related personnel on site is the responsibility of the Remediation Contractor. Any existing pits or unstable areas on site that generate potential safety, or operational risk will be demarcated and taped off, with appropriate rectification action undertaken (e.g. backfilling of pits).
C/M-RAP7	Before undertaking works on site, all personnel will be made aware of the officer responsible for implementing WHS procedures. All personnel must read and understand this WHSP and overarching SWMS prior to commencing site works and sign a statement to that effect. Contractors employed at the site will be responsible for ensuring that their employees are aware of, and comply with, the requirements of this WHSP and Remediation Contractor's SWMS. The appropriate safe work practices will be clearly defined by the Remediation Contractor in their SWMS.
C/M-RAP8	SafeWork NSW must be notified a minimum of five days in advance of any asbestos works. The Asbestos Contractor must, before commencing the licensed asbestos removal work, inform the person with management or control of the workplace that licensed asbestos removal work is to be carried out at the workplace and when the work is to commence.
C/M-RAP9	The Asbestos Contractor is to prepare an asbestos removal control plan (ARCP) in accordance with regulatory requirements. Refer to Section 8.5.3 of **Appendix HH** of the SSDA Amendment / RTS Report for further detail of inclusions.
C/M-RAP10	The remediation works will be conducted within the days and hours specified in the development consent.
C/M-RAP11	During construction activities on the site, the following inspection or preventative actions will be performed by the Remediation Contractor: • Regular inspection of works; • Completion of routine environmental checklists and follow-up of non-compliance situations; • Maintenance and supervision on-site; and • An induction process for site personnel involved in the remediation works that includes relevant information on the contamination status of the site, the remediation works being undertaken, worker health and environmental protection requirements and ensures that all site personnel are familiar with the site emergency procedures.
C/M-RAP12	A validation assessment report will be prepared by the Environmental Consultant in accordance with NSW EPA (2020). The validation report shall describe the remediation approach adopted, methodology, results and conclusion of the assessment and make a statement regarding the suitability of the site for the proposed SSD. Refer to Section 17 of **Appendix HH** of the SSDA Amendment / RTS Report for details of inclusions into this assessment. If the preferred remediation strategy of on-site management is undertaken the Environmental Consultant will prepare a LTEMP in accordance with NSW EPA guidelines to outline management procedures for future works to maintain the integrity of the cap A validation assessment report must be completed as part of the remediation works.