

HEALTH INFRASTRUCTURE

Cowra Hospital Redevelopment

Wiradjuri Country

Decision Statement for Review of Environmental Factors –
Prepared by Ethos Urban

9/5/23

Version Number 1



Cowra Hospital Redevelopment

Project Details

Project Name	Cowra Hospital Redevelopment
Project Location	Cowra Health Service, 64 Liverpool Street, Cowra New South Wales 2794
REF Prepared by	Ethos Urban dated 27/04/2023
Activity Description	Erection of a health services facility and associated site works, including demolition. Includes parking, signage, landscaping and other ancillary works.

Decision Statement

Based on the REF document, the Recommendation report and any other information and any advice from other relevant determining authorities:

- the proposed activity is not likely to have a significant impact on the environment and therefore an Environmental Impact Statement (EIS) is not required;
- the proposed activity will not be carried out in a declared area of outstanding biodiversity value and is not likely to significantly affect threatened species, populations or ecological communities, or their habitats or impact biodiversity values, meaning a Species Impact Statement (SIS) and/or Biodiversity Development Assessment Report (BDAR) is not required; and
- the proposed activity may proceed subject to the Mitigation Measures in Schedule 1 below that are required to eliminate, minimise or manage environmental impacts.

Determination

Acting as a delegate of the Health Administration Corporation, and, in accordance with Section 5.5 of the *Environmental Planning and Assessment Act 1979*, having taken into account to the fullest extent possible all matters likely to affect the environment as a result of the proposed activity, and having regard to the Assessment Report, the Statement of Compliance and the Review of Environmental Factors prepared by Ethos Urban dated 27/04/2023, I hereby determine the Review of Environmental Factors by granting approval subject to the Mitigation Measures in Schedule 1 below.



Rebecca Wark

Chief Executive Health Infrastructure

29 May 2023

Date

Schedule 1

Mitigation measures

The following Mitigation Measures have been imposed to ensure that the activity is carried out in accordance with the plans/documentation and any amendment approved under Part 5 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). These mitigation measures are required to eliminate, minimise or manage environmental impacts of the activity. They provide measures for the appropriate environmental performance of the activity, including regular monitoring and reporting.

General measures

1. Obligation to prevent impacts to the environment

In addition to meeting the mitigation measures in this determination, all reasonable and feasible measures should be implemented to prevent impacts to the environment that may result from the activity.

2. Development in Accordance with Plans and Documentation

The proposal must be carried out generally in accordance with the Review of Environmental Factors dated 27 04 2023 and prepared by Ethos Urban on behalf of NSW Health Infrastructure (including accompanying **Appendices A - EE**) and generally in accordance with the following plans/documentation as modified below and by any of the under-mentioned measures.

Drawing Title	Drawing Ref	Revision	Date	Prepared by
Cover Page	REF 00	C	09/12/22	DJRD Architects
Site Plan	REF 01	D	09/12/22	DJRD Architects
Main Works Demolition + Staging Plan Stage 1	REF 05	02	13/02/22	DJRD Architects
Main Works Demolition + Staging Plan Stage 2	REF 06	A	20/12/22	DJRD Architects
Main Works Demolition + Staging Plan Stage 3	REF 07	A	22/12/22	DJRD Architects
Main Works Demolition + Stage 4 Part 1	REF 08	A	22/12/22	DJRD Architects
GA Plan – Ground Floor	REF 10	D	09/12/22	DJRD Architects
GA Plan – First Floor	REF 11	D	09/12/22	DJRD Architects
GA Plan – Plant Floor	REF 12	D	09/12/22	DJRD Architects
GA Plan – Roof	REF 13	C	09/12/22	DJRD Architects
Elevations – Sheet 1	REF 20	D	09/12/22	DJRD Architects
Elevations – Sheet 2	REF 21	D	09/12/22	DJRD Architects
Elevations – Sheet 3	REF 22	D	09/12/22	DJRD Architects
Section – Sheet 1	REF 25	D	09/12/22	DJRD Architects
Section – Sheet 2	REF 26	D	09/12/22	DJRD Architects
Section – Sheet 3	REF 27	D	09/12/22	DJRD Architects
Shadow Diagrams	REF 50	D	09/12/22	DJRD Architects
Building Materiality	REF 60	D	09/12/22	DJRD Architects
Wayfinding and Signage	REF 70	A	09/12/22	DJRD Architects

Drawing Title	Drawing Ref	Revision	Date	Prepared by
Cover sheet	0000	B	08/12/22	Site Image
Materials and Plant Schedule	0001	A	25/11/22	Site Image
Landscape Master Plan	0002	B	08/12/22	Site Image
Landscape Plan Ground Floor	0100	B	08/12/22	Site Image
Landscape Plan Level 01	0110	A	25/11/22	Site Image
Landscape Details	0501	A	25/11/22	Site Image
Landscape Details	0502	A	25/11/22	Site Image
Existing Trees	0901	A	08/12/22	Site Image
Canopy Cover	0902	A	08/12/22	Site Image

3. Design integrity

Necessary arrangements must be implemented by the Proponent to ensure that DRJD Architects are engaged in any design documentation phase to ensure that the design quality of the activity is preserved through the construction phase to the completion of the Project.

4. Crown Certificate

A Certificate under Section 6.28 of the *Environmental Planning and Assessment Act 1979* is to be obtained prior to any work commencing.

5. National Construction Code (NCC)

All building work is to be undertaken in accordance with the NCC and referenced Australian Standards, including the requirements of AS 1428.1:2021 Design for access and mobility, Part 1: General requirements for access – New building work.

6. Approvals

These conditions do not remove any obligation to obtain all other licences, permits, approvals and land owner consents from all relevant authorities and land owners as required under any other legislation for the Project. The terms and conditions of such licences, permits, approvals and permissions must be complied with at all times. A copy of all approvals is to be kept on site.

7. Long Service Levy

The Crown Certificate must not to be issued unless the Crown Certifier is satisfied the required levy payable under Section 34 of the *Building and Construction Industry Long Service Payments Act 1986* has been paid. The levy must be paid by the person liable, as specified in Section 38 of the *Building and Construction Industry Long Service Payments Act 1986*. For further information contact the Long Service Corporation on their Helpline 131441.

8. Tree Management and Landscape

- 8.1 Trees not proposed to be removed are to be protected in accordance with AS 4970-2009 Protection of Trees on Development Sites.
- 8.2 No building materials, builder's sheds and the like are permitted to be stored under the canopy of existing trees.
- 8.3 Trees proposed to be removed are to be in accordance with the Plans and Documentation approved under this Determination.

- 8.4 Prior to any work, it must be demonstrated to the Crown Certifier amended Landscape Plans are prepared by Site Image that show the planting of 38 new native trees that are endemic to the area and would have a canopy at maturity of 8 metres or greater.
- 8.5 The amended Landscape Plans must reflect the relevant requirements of Arborist Report prepared by McArdle Consultancy dated 16 February 2023 and be generally in accordance with the Landscape Plans prepared by Site Image within Mitigation Measure 2.
- 8.6 Landscaping on the site must be completed in accordance with the amended Landscape Plans under Mitigation Measure 8.

9. Prior Notice of any Category 2 Remediation Work

Regulatory notifications and permits are to be obtained, including the Notification of Category 2 Remediation Works to Council, for any required remediation work at least 30 days before the commencement of the work. Notice must be given in accordance with clause 4.13 of the State Environmental Planning Policy (Hazards and Resilience) 2021.

10. Demolition

Demolition work must be undertaken in accordance with the provisions of Australian Standard AS 2601-2001 The Demolition of Structures. The Demolition Work Plan must comply with the safety requirements of this standard.

11. Structural adequacy

All new buildings and structures, and any alterations or additions to existing buildings and structures, that are part of the activity, must be constructed in accordance with the relevant requirements of the National Construction Code.

12. External walls and cladding

The external walls of buildings, including additions to existing buildings, that are part of the activity, must comply with the relevant requirements of the National Construction Code.

13. External materials

The external colours, materials and finishes of buildings must be generally consistent with the approved plans under Mitigation Measure 2. Any minor changes to the colour and finish of the approved external materials may be approved by the Crown Certifier, provided that:

- a. The alternative colour/material is of a similar tone/shade and finish to the approved external materials and colours; and
- b. The quality and durability of any alternative material is the same standard as the approved external building materials.

14. Sustainability

- 14.1 Prior to the commencement of construction, it must be demonstrated to the Crown Certifier that the ESD initiatives recommended by the ESD Report titled Cowra Hospital Redevelopment Ecologically Sustainable Development Report, prepared by Stantec and dated 12 April 2023, have been incorporated into the design, construction and operation of the activity.
- 14.2 The activity is to achieve compliance with Section 2.5.6 of the Health Infrastructure Engineering Services Guidelines dated 6 August 2021 (including Design Guidance Note No. 058) by attaining a minimum of 45 points in accordance with the ESD Evaluation Tool.

15. Tree management

The activity shall adopt the recommendations of the Arborist Report titled Main Works Arborist Report prepared by McArdle Consultancy and dated 16 February 2023.

16. Ecology

The activity shall adopt the key mitigations of the Flora and Fauna Assessment titled Cowra Hospital Redevelopment Flora and Fauna Assessment Report prepared by RPS and dated 19 December 2022.

17. Contamination

The activity shall adopt the recommendations of the Contamination Report titled Cowra Hospital Redevelopment Detailed Site Investigation (Contamination) prepared by SMEC and dated 23 December 2022.

18. Acoustics – Construction

The activity shall adopt the relevant recommendations of the Construction Noise and Vibration Management Plan titled Cowra Hospital Noise and Vibration Management Plan prepared by Acoustic Logic and dated 25 July 2022.

19. Compliance with Mitigation Measures

The Proponent must ensure that all relevant personnel, including contractors (and their subcontractors), are aware of these Mitigation Measures, and the requirement to undertake the activity within these Measures.

20. Non-compliance notification

- 20.1 The HI-Planning Team and the Regional Director must be notified where a non-compliance with a mitigation measure is identified.
- 20.2 The notification should identify relevant activity, set out the mitigation measure that is non-compliant with, the way in which it does not comply, any known reasons for the non-compliance and what actions have been, or will be undertaken, to address the non-compliance.

Prior to commencement of works

Note: The following Measures are to be complied with prior to the commencement of works on the activity site, and at other stages where stated.

21. Consultation Approach

Prior to the commencement of work, a consultation approach shall be prepared that:

- a. Identifies the relevant people that may be consulted during the construction phases of the activity. At the minimum this should include the relevant Council, community (including adjoining affected landowners, businesses and any other directly impacted by the activity) and those on the existing Hospital site;
- b. Determines the suitable methods of consultation with relevant stakeholders, including the receipt of feedback; and
- c. Provides the approach access to project information.

22. Community Notification

- 22.1 Prior to commencement of work, the Proponent must notify in writing to Council and the occupier of any land within 40 metres of the boundary of the site works. The notification should outline the project, the expected timing for commencement and completion of construction works.
- 22.2 Where practicable, work programs for noisy work should be coordinated with the Hospital at least two (2) weeks prior to commencement to minimise impacts on their operations.
- 22.3 Complaints received prior to and during the undertaking of works shall be recorded and attended to promptly. On receiving a complaint, works shall be reviewed to determine whether issues relating to the complaint can be avoided or minimised. Feedback shall be provided to the complainant explaining what remedial actions (if any) were taken.

- 22.4 The Proponent shall develop a complaints management system and record details of all complaints received and the means of resolution of those complaints. The Complaints Register shall be made available on request.
- 22.5 A site notice board must be located at the entrance or other appropriate location on the site in a prominent position. The notice must be A1 sized, durable and weatherproof and include the following:
- a. 24-hour contact person for the site;
 - b. Telephone, facsimile numbers and email addresses;
 - c. Site activities and time frames; and
 - d. Details of where accessible project information can be sourced.
- 22.6 The site notice must be placed at eye level and be erected no less than 2 days prior to the commencement of works.

23. Site contamination

- 23.1 Prior to the commencement of work, the recommendations of the Detailed Site Investigation (Contamination) report prepared by SMEC and dated 23 December 2022 are to be implemented for the proposed activity. This includes the preparation of Interim Site Management Plan, Hazardous Building Material Management Plan and a Material Management and Reuse Plan.
- 23.2 Prior to commencement of work, a NSW EPA-accredited Site Auditor must be engaged to provide advice throughout the duration of the works to ensure that any work required in relation to contamination is appropriately managed.

24. Hazardous Materials

- 24.1 All asbestos handling shall be carried out consistent with the recommendations of the Hazardous Building Materials Survey prepared by JK Environments and dated 4 May 2022.
- 24.2 An Asbestos Management Plan is to be prepared to provide a procedure to control the risk of exposure from asbestos and lead impacted topsoil during the work.
- 24.3 An unexpected finds procedure is to be included in an overarching Construction Environmental Management Plan (CEMP) for the work, in the event that other contamination is encountered which have not been identified during this assessment.
- 24.4 Waste must be transported by an appropriately licensed transporter, and disposed to a facility that is licensed to receive that class of waste. It is recommended that this report is sent to the proposed receiving facility to confirm their acceptance of the material prior to off-site disposal. If the description of the soil differ from that described within, then further assessment for waste classification purposes may be required prior to off-site disposal.
- 24.5 SafeWork NSW is to be notified in accordance with the relevant policy prior to work involving asbestos material being undertaken.
- 24.6 Air monitoring devices shall be put in place, around the site, during the demolition. A qualified environmental hygienist shall be on site to supervise the work to ensure the safety of workers and the public are not compromised in anyway. Daily monitoring and results will be taken and analysed to ensure safe air quality levels ensue.
- 24.7 A Lead Removal Control Plan will be developed and implemented by the contractor. Lead based paint is defined as paint containing more than 1% lead by weight, and is classified as hazardous waste according to EPA NSW Waste Classification Guidelines, Part 1: Classifying Waste.

25. Pre-Construction Flora and Fauna Requirements

- 25.1 Prior to demolition, habitat that is to be removed shall be done so under supervision of a suitably qualified Ecologist.
- 25.2 Any fauna injured during such activities should be transported to a veterinarian hospital or taken by a WIRES volunteer.
- 25.3 Prior to demolition, bat detection devices (Anabat) should be used in all areas of potential habitat.

26. Pre-Construction Dilapidation Report

- 26.1 Prior to construction, a dilapidation report is to be prepared for the Hospital, Council or other assets within the zone of influence of the work.
- 26.2 The dilapidation report should:
 - a. Be prepared in consultation with the relevant asset owner or provider of any services and infrastructure that are to be affected by the activity, to make suitable arrangements for access to diversion, protection and support of the affected assets or infrastructure;
 - b. Identify the condition of affected assets or infrastructure in the vicinity of the work; and
 - c. Be provided to the Hospital, Council, other assets or provider and the Crown Certifier.

27. Pre-Construction Survey – Adjoining Properties

- 27.1 Prior to construction, an offer of a pre-construction survey is to be made to adjoining buildings within the zone of influence of the work.
- 27.2 Where the offer of a pre-construction survey is accepted, it should:
 - a. Be prepared prior to the commencement of vibration generating works that could impact on identified buildings; and
 - b. Be provided to the owner of identified buildings and Crown Certifier in the form of a Pre-Construction Survey Report.

28. Construction Management

A detailed Construction Environmental Management Plan (CEMP) is to be prepared prior to the commencement of works, provided to the Crown Certifier, and implemented during the undertaking of works. The CEMP must be prepared having regard to the *Environmental Management Plan Guideline: Guideline for Infrastructure Projects (2020)* prepared by the Department of Planning and Environment, and is to include (where relevant), but not be limited to, the following:

- a. Details of:
 - i. hours of work;
 - ii. 24-hour contact details of site manager;
 - iii. management of dust and odour;
 - iv. stormwater control and discharge;
 - v. measures to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the site;
 - vi. any other specific environmental construction mitigation measures detailed in this REF;
 - vii. any requirements outlined in any relevant approvals, permits or licences; and
 - viii. community consultation and complaints handling.
- b. Construction traffic and Pedestrian Management Plan;

- c. Construction noise and vibration management;
- d. Construction waste management, including contaminated waste;
- e. Construction soil and water management;
- f. Flood management;
- g. Tree protection and management measures;
- h. Air quality and dust management measures;
- i. Demolition Work Plan;
- j. Unexpected finds protocol for Aboriginal and non-Aboriginal heritage and associated communications procedure;
- k. Unexpected finds protocol for historical heritage;
- l. Unexpected finds protocol for contamination;
- m. Emergency Management Plan; and
- n. Training of responsibilities under *National Parks and Wildlife Act 1975*, *Heritage Act 1977* and any other relevant legislation.

29. Demolition/Construction Waste Management Plan

- 29.1 A Demolition/Construction Waste Management Plan shall be prepared by an appropriately qualified contractor prior to the commencement of works. The Waste Management Plan should be prepared in accordance with the Department of Environment and Climate Change (DECC) *Waste Classification Guidelines (2008)* and the *Protection of the Environment Operations Act 1997*. A copy of the plan is to be provided to the Crown Certifier.
- 29.2 The Demolition/Construction Waste Management Plan is to include the following requirements and details:
- a. The type and volume of all waste materials (e.g. excavation material, green waste, bricks, concrete, timbers, plasterboard and metals) is to be estimated prior to the commencement of works, with the destination for each waste identified. Waste should be re-used or recycled as much as practicable. Where not practicable, the location of a suitable waste disposal facility is to be identified. Information of final waste volumes are to be separately provided to Council for their information;
 - b. Cleaning out of batched concrete mixing plant is not permitted within any construction compound;
 - c. Non-recyclable waste and containers are to be regularly collected and disposed of at a licensed disposal site. Frequency of collection should be identified;
 - d. No burning or burying of waste is permitted on the site; and
 - e. Any bulk garbage bins delivered by authorised waste contractors are to be placed and kept within the property boundary.
- 29.3 The following mitigation measures will be implemented in order to prevent adverse impacts in relation to waste generated by the proposed works:
- a. No materials will be used in a manner that will pose a risk to public safety and waste generated from the proposed works will be recycled where possible;
 - b. Unnecessary resource consumption will be avoided; and
 - c. Non-recyclable wastes will be collected and disposed of or recycled in accordance with Office of Environment and Heritage (OEH) guidelines.

30. External walls and cladding

- 30.1 Prior to commencement of work, independent advice is required to confirm that the products and systems proposed for use or used in the construction of any external walls, including finishes and claddings such as synthetic or aluminium composite panels, comply with the requirements of the National Construction Code.

- 30.2 The independent advice is to be prepared and signed by a suitable qualified expert, such as a façade engineer or other building professional and a copy of the advice is to be provided to the Crown Certifier.

31. External lighting

- 31.1 Prior to commencement of work, independent advice is required to confirm that the proposed external lighting design would be in accordance Australian Standards AS/NZS 1158.3.1:2020 Lighting for roads and public spaces – Part 3.1: Pedestrian area (Category P) lighting – Performance and design requirements and AS/NZS 4282:2019 Control of the Obtrusive Effects of Outdoor Lighting.
- 31.2 The independent advice is to be prepared and signed by a suitably qualified expert, such as a practising lighting engineer, and a copy of the advice is to be provided to the Crown Certifier.

32. Operational noise – Mechanical Plan and Equipment

- 32.1 Prior to the installation of mechanical plant and equipment, advice is required to confirm compliance with relevant project noise trigger levels/acoustic criteria as provided in the Noise and Vibration Impact Assessment titled Cowra Hospital Redevelopment Operational Noise Management Plan, prepared by Acoustic Logic and dated 14 December 2022.
- 32.2 The advice should be prepared by suitably qualified expert, such as a practising acoustic engineer, and a copy of the advice is to be provided to the Crown Certifier.

33. Noise Management Measures

- 33.1 The works are to be undertaken in accordance with the relevant recommendations of the Construction Noise and Vibration Management Plan prepared by Acoustic Logic dated 25 July 2022.
- 33.2 During preparation of the construction program, consult with the Hospital to determine what areas (if any) of the Hospital is particularly noise sensitive, and at what time (ward rooms, operating theatres, etc.).
- 33.3 Identify feasible acoustic controls or management techniques (use of screens, scheduling of noisy works, notification of adjoining land users, respite periods) when excessive levels may occur.
- 33.4 For activities where acoustic controls and management techniques still cannot guarantee compliant noise levels, implement a notification process whereby nearby development is made aware of the time and duration of noise intensive construction processes.

34. Erosion and Sediment Control

- 34.1 Erosion and sediment controls will be implemented in accordance with the Landcom guideline *Managing Urban Stormwater, Soils and Construction* (Blue Book) and ensure any water diversion or control outlets associated with the works do not result in scouring.
- 34.2 Additional erosion controls will be implemented in accordance with the relevant plans within the Civil Drawings titled Civil Engineering Services, prepared by Acor Consultants and dated 15 December 2022.
- 34.3 Works will only commence once all erosion and sediment controls have been established. The controls will be maintained in place until the works are complete and all exposed erodible materials are stable.
- 34.4 Erosion and sedimentation controls will be checked and maintained (including clearing of sediment from behind barriers) on a regular basis (including after any precipitation events) and records kept and provided on request.

35. Services and Utilities

Prior to the commencement of works, any services and utilities that may be impacted by the works are to be appropriately relocated.

36. Construction Traffic Management

- 36.1 A Construction Traffic Management Plan shall be prepared prior to commencement of works. A copy of the plan is to be provided to the Crown Certifier.
- 36.2 The Construction Traffic Management Plan is to ensure that it provides for a Traffic Guidance Scheme that provides for safety at construction vehicle entries and the existing road network.

37. Construction worker transport strategy

Prior to the commencement of works, a construction worker transport strategy shall be prepared. The strategy is to detail the provision of sufficient parking facilities or other travel arrangements for construction workers for the activity, in order to minimise parking in adjacent areas. A copy of the strategy is to be provided to the Crown Certifier.

38. Monitoring and Reporting

- 38.1 Prior to the commencement of works, a program for the monitoring and reporting of compliance with these mitigation measures shall be prepared. The timing and scope of these are to be defined in the program, however, must be undertaken at least every 6 months following the commencement of works.
- 38.2 The compliance reporting should:
- Provide a summary and analysis of the monitoring undertaken;
 - Details of any complaints received, and responses and actions to these;
 - Any strategies to reduce the recurrence of such complaints; and
 - Results from any other monitoring and/or audit undertaken, and any actions taken in response to these.
- 38.3 The compliance reports are to be provided to the HI-Planning Team and the relevant Regional Director.
- 38.4 Refer also to Advisory Note AN1.

39. Independent Audit

- 39.1 Prior to the commencement of works, a program of independent audits shall be prepared for the activity generally in accordance with the *Independent Post Approval Requirements 2020* (published on the Department of Planning and Environment website) and AS/NZS ISO 19011-2019 Guidelines for Auditing Management Systems.
- 39.2 The timing and scope of each audit is to be defined in the program.
- 39.3 The independent auditor must be engaged in accordance with HI's *Town Planning Approvals – Guide to Post Approval Management* (February 2023).
- 39.4 Audits should be undertaken by suitably qualified personnel independent to the activity ('independent auditor') and documented in an audit report which:
- Assesses how the mitigation measures of the Determination are being satisfied;
 - Adequacy of any documents required under the mitigation measures;
 - Outlines the performance of the activity with respect to any impacts on the surrounding environment including local community; and
 - Recommends any measures or actions to improve the performance of the activity, if deemed required.
- 39.5 The independent audit reports are to be provided to the HI-Planning Team and the Regional Director.

During construction/undertaking of work

Note: The following Measures are to be complied with during the approved construction/undertaking of works.

40. Site notice

The Site Notice(s) required under Mitigation Measure 22 must be prominently displayed during the construction of the activity.

41. Construction Site Management

- 41.1 Construction site fencing is to be installed around the construction site. Vehicle and workforce access points and roads to the construction compounds are to be clearly designated and controlled for authorised access only. Vegetation clearance is to be minimised.
- 41.2 The work site should be left tidy and rubbish free each day prior to leaving the site and at the completion of works.
- 41.3 Site hygiene measures should ensure that the spread of feral pest, disease or weed species is discouraged.
- 41.4 The use and storage of hazardous materials, chemicals and dangerous goods, including petroleum, distillate and other chemicals, shall be in accordance with the relevant legislation including, but not limited to:
- *Protection of the Environment Operations Act 1997*;
 - Work Health and Safety Regulation 2017;
 - AS 1940:2017 The Storage and Handling of Flammable and Combustible Liquids; and
 - SafeWork NSW Code of Practice – Managing Risks of Hazardous Chemicals in the Workplace.
- 41.5 All materials on site or being delivered to the site must be wholly contained within the site. The requirements of the *Protection of the Environment Operations Act 1997* are to be complied with when placing/stockpiling loose material or when disposing of waste products or during any other activities likely to pollute drains or watercourses.
- 41.6 The public way must not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances.
- 41.7 All equipment and machinery should be secured against vandalism outside of working hours.
- 41.8 No batching plant is permitted on the site.
- 41.9 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.
- 41.10 All contractor(s) must meet all workplace safety legislation and requirements.
- 41.11 No vehicle maintenance is permitted in the demolition and construction areas except in emergencies.
- 41.12 All loose material stockpiles are to be stored within the temporary construction compound(s) and are to be protected from possible erosion.

42. Erosion and Sediment Control

- 42.1 Disturbance of sediment during the construction phase of the development and the design management and implementation of pollution controls must be consistent with *Managing Urban Stormwater: Soils and Construction* (NSW Landcom, 2004), (Blue Book), and *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA)* to ensure containment of sediment to the immediate work site.
- 42.2 All sediment control measures must be regularly inspected and cleaned out and/or repaired as necessary, and all collected silt disposed of appropriately. Stockpiles should also have adequate sediment control measures in place.

42.3 Erosion and control measures are not to be removed until disturbed areas have stabilised.

43. Air Quality and Dust Management

43.1 Spraying of paint and other materials with the potential to become airborne particulates is only to be undertaken on days with still or light wind conditions.

43.2 No burning of materials is permitted.

43.3 Dust generated during construction activities is to be controlled to avoid impact on surrounding properties.

43.4 All necessary maintenance for construction vehicles and equipment is to be undertaken during the construction period.

43.5 Excessive use of vehicles and powered construction equipment is to be avoided.

43.6 Exposed areas are to be progressively revegetated as soon as practical.

43.7 Vehicle wash down areas are to be established to ensure all mud and soil from construction vehicles is not carried onto public roads.

43.8 All vehicles involved in any excavation and/or demolition and departing the site with demolition materials, spoil or loose matter must have their loads fully covered before entering the public roadway.

43.9 Vehicles, machinery and equipment will be maintained in accordance with manufacturer's specifications in order to meet the requirements of the *Protection of the Environment Operations Act 1997* and associated regulations.

44. Construction

44.1 No blasting shall be permitted during construction.

44.2 To minimise the noise levels during construction and loss of amenity to the surrounding area, the use of any rock excavation machinery, mechanical pile drivers, and grinding/saw cutting or the like is restricted to the hours of:

- a. 9am to 12pm, Monday to Friday;
- b. 2pm to 5pm Monday to Friday; and
- c. 9am to 12pm Saturday.

44.3 All services and utilities in the area of construction must be appropriately disconnected and reconnected as required. The contractor is required (if necessary) to consult with the various service authorities regarding their requirements for the disconnection of services.

44.4 Where services are found not to be adequate to support the activity they shall be appropriately augmented.

45. Stormwater management system

45.1 Within three months of the commencement of construction, the operational stormwater management system for the activity must be submitted to the satisfaction of the Crown Certifier. The system must:

- a. Be generally in accordance with the report Civil Engineering Review of Environmental Factors Design Report dated 15 December 2022 prepared by Acor Consultants and the Civil Engineering Services Plans dated 15 December 2022 prepared by Acor Consultants;
- b. Be in accordance with the applicable Australian Standards;
- c. Ensure that the system capacity has been designed in accordance with Australian Standards; and

- d. Ensure that the system has been designed in accordance with *Australian Rainfall and Runoff (Engineers Australia, 2016)* and *Managing Urban Stormwater: Council Handbook (EPA, 1997) Guidelines*.

46. Traffic Management

Existing traffic access and arrangements should be maintained during construction as much as practicable.

47. Contamination (Unexpected Finds)

- 47.1 Should any new soil contamination information or contaminants be identified during the undertaking of works which have the potential to alter previous conclusions about site contamination, then the Managing Contractor and HI must be immediately notified and works must cease in the location of the contamination.
- 47.2 Works must not recommence until a suitably qualified contaminated land specialist (i.e. a Certified Environmental Practitioner) has investigated and assessed the category of the contamination in accordance with *State Environmental Planning Policy (Resilience and Hazards) 2021*, and, if required, prepare a Remediation Action Plan (RAP) which details the necessary remedial work or management required to render the site suitable for the proposed development.
- 47.3 Following completion of the remediation, a Site Remediation and Validation Report (SRVR) which documents the completeness of the remedial work is to be submitted to HI and the EPA, if required.
- 47.4 Any contaminated materials or hazardous substances that need to be removed from the site are to be classified first and then stored, transported and disposed of in accordance with EPA requirements at an EPA licensed waste facility.
- 47.5 Asbestos removal and management in NSW is regulated under the *Work Health and Safety Act 2011* and *Work Health and Safety Regulation 2017*. The handling of asbestos work must be carried out in accordance with Safe Work Australia Code of Practice *How to Manage and Control Asbestos in the Workplace February 2016*, including being undertaken by contractors who hold a current Safe Work Asbestos or Demolition Licence and any other current Safe Work Licence required.
- 47.6 A notice of completion of any resulting remediation work must be given in accordance with Section 4.14 and Section 4.15 of the *State Environmental Planning Policy (Resilience and Hazards) 2021*.
- 47.7 If soils are to be disposed offsite during construction, they are required to be disposed in accordance with the waste classification, subject to additional sampling and analysis.
- 47.8 A spill containment kit will be available at all times. All personnel will be made aware of the location of the kit and trained in its effective deployment.
- 47.9 The contractor shall develop a procedure for the management of acid sulfate material (ASM) including identification, testing and treatment of ASM encountered during the works and opportunities for reuse of treated ASM within the site.
- 47.10 Materials will be sourced from licensed quarries and operators. All materials will be certified uncontaminated and environmentally safe.

48. Contamination

- 48.1 All work must be undertaken in accordance with the relevant management plans recommended within the Detail Site Investigation (DSI) report prepared by SMEC dated 23 December 2022, as noted under Mitigation Measure 23.
- 48.2 Construction works should not result in the contamination of the site.
- 48.3 Any materials imported on site by the Contractor to re-establish ground levels or to be applied as a capping layer must be validated, environmentally suitable material.

- 48.4 In a storm or an extended rainfall event, the structures located on site for sediment control shall be monitored and replaced or altered if necessary by the Contractor. Collected material shall be managed in accordance with remediation works by the Contractor.

49. Noise and Vibration Management

- 49.1 All works will be in accordance with AS 2436-2010: Guide to Noise and Vibration Control on Construction, Demolition and Maintenance Sites.
- 49.2 Additional noise and vibration management control will be implemented in accordance with the Construction Noise and Vibration Management Plan prepared by Acoustic Logic and dated 25 July 2022.
- 49.3 Building contractors are to implement the requirements of the Office of Environment *Interim Construction Noise Guideline (July 2009)* as far as practicable.
- 49.4 Construction is to be carried out in accordance with the National Construction Code deemed-to-satisfy provisions with respect to noise transmission.
- 49.5 All reasonable, practicable steps are to be undertaken to reduce noise and vibration from the site.
- 49.6 Plant and equipment is to be maintained, checked and calibrated in accordance with the appropriate design requirements and to ensure that maximum sound power levels are not exceeded.
- 49.7 Plant and equipment (where possible) is to be strategically positioned on site to reduce the emission of noise from the site to the surrounding area, users of the site and on site personnel.
- 49.8 Unnecessary noise is to be avoided when carrying out manual operations and operating plant.
- 49.9 Any equipment not used for extended periods is to be switched off.
- 49.10 Construction vehicles (including concrete agitator trucks) are to not arrive at the site or any surrounding residential precincts outside of the construction hours of work outlined under Mitigation Measure 52.

50. Non Aboriginal Heritage

- 50.1 All personnel working on site will receive training in their responsibilities under the *Heritage Act 1977*.
- 50.2 If any item of European heritage is discovered during works, work shall cease immediately and the project heritage consultant, the relevant Council and/or Office of Environment and Heritage notified.
- 50.3 Work shall not recommence until the significance of the find is established.

51. Aboriginal Heritage

- 51.1 If suspected Aboriginal material has been uncovered as a result of development activities within the Project Area:
- Work in the surrounding area is to stop immediately;
 - A temporary fence is to be erected around the site, with a buffer zone of at least 10 metres around the known edge of the site;
 - An appropriately qualified archaeological consultant is to be engaged to identify the material; and
 - If the material is found to be of Aboriginal origin, the Aboriginal community is to be consulted in a manner as outlined in the *OEH guidelines: Aboriginal Cultural Heritage Consultation Requirements for Proponents (2010)*.

- 51.2 Should human remains be located at any stage during earthworks within the Project Area, all works must halt in the immediate area to prevent any further impacts to the remains. The site should be cordoned off and the remains themselves should be left untouched. The nearest police station, the relevant Local Aboriginal Land Council and the OEH Regional Office are all to be notified as soon as possible.
- 51.3 If Aboriginal cultural materials are uncovered as a result of development activities within the Project Area, they are to be registered as Sites in the Aboriginal Heritage Information Management System (AHIMS) managed by the OEH. Any management outcomes for the site will be included in the information provided to the AHIMS.
- 51.4 All efforts must be taken to avoid any impacts on Aboriginal Cultural Heritage values at all stages during the development works. If impacts are unavoidable, mitigation measures should be negotiated between the Proponent, OEH and the Aboriginal community.

52. Restriction on Hours during Construction

- 52.1 The undertaking of any construction activity on the subject site is to be limited to the following hours:
- Monday to Friday inclusive: 7.00am to 6.00pm;
 - Saturdays: 8.00am to 1.00pm; and
 - Sundays and Public Holidays: No work permitted.
- 52.2 Entry and departure of vehicles from the site will be restricted to the imposed work hours.
- 52.3 Activities may be undertaken outside of hours in Mitigation Measure 52.1 if required:
- By the police or a public authority for the delivery of vehicles, plant or materials; or
 - In an emergency to avoid the loss of life, damage to property or to prevent environmental harm; or
 - Where the works are inaudible at the nearest sensitive receiver, a disruption notice has been issued by the relevant Local Area Health District (LHD) or Hospital and a letter of support has been provided from the relevant LHD or Hospital for the Out of Hours Works.
- 52.4 Consideration will be given to extending these hours to allow for specific work tasks on a case by case basis, subject to approval from HI being sought prior to this occurring and the assessment of any impact of this extension.

53. Access and pedestrian movements

- 53.1 Safe pedestrian access and movement to the hospital and surrounding buildings shall remain unimpeded at all times.
- 53.2 Appropriate signage and directional information shall be provided.

Prior to commencement of operation

Note: The following Measures are to be complied with prior to commencement of operation.

54. Works as Executed

Prior to the completion of Stage 4, "Works as Executed" drawings are to be submitted to HI.

55. Structural certification

- 55.1 All new buildings and structures, and any alterations or additions to existing buildings and structures, shall have a structural certificate prior to their use.
- 55.2 The structural certificate must be prepared by a qualified and practicing Structural Engineer and confirms that the structural work is compliant with the structural drawings.

55.3 A copy of the structural certificate is to be provided to the Crown Certifier.

56. Section 64 Contributions – Water Supply and Sewer

Prior to the completion of Stage 2, Section 64 Contribution/s in response to a Development Servicing Plan for any Water Supply and/or Sewer headworks that have been identified as necessary for the activity must be paid to the Council in accordance with their requirements.

57. Warm water systems and cooling systems

57.1 Prior to the completion of Stage 2, the installation of warm water systems and water cooling systems (as defined under the *Public Health Act 2010*) must comply with the *Public Health Act 2010*, Public Health Regulation 2012 and Part 1 (or Part 3 if a Performance-based water cooling system) of AS/NZS 3666.2:2011 Air handling and water systems of buildings – Microbial control – Operation and maintenance, and NSW Health Code of Practice for the Control of Legionnaires' Disease.

57.2 Documentation demonstrating compliance must be submitted to the Crown Certifier.

58. Fire safety certification

58.1 Prior to the completion of Stage 2, a Fire Safety Certificate must be obtained for all Essential Fire or Other Safety Measures required as part of the operation of the activity.

58.2 A copy of the Fire Safety Certificate is to be provided to the Crown Certifier, the Hospital and/or the LHD.

59. Post-construction dilapidation report

59.1 Prior to the completion of Stage 4, a post-construction dilapidation report is to be prepared.

59.2 The post-construction dilapidation report should:

- a. Identify whether the construction work created any structural damage to affected infrastructure, as identified in the pre-construction dilapidation report at Mitigation Measure 26;
- b. Have written confirmation from the relevant infrastructure authorities that there is no damage to their infrastructure; and
- c. Be provided to the Hospital, Council, asset or other provider and the Crown Certifier in the form of a Post-Construction Dilapidation Report.

59.3 Where the post-construction dilapidation report determines that there is damage to infrastructure as a result of construction activity, the Proponent must repair any damage caused by carrying out the works.

60. Post-construction survey – adjoining properties

60.1 Prior to the completion of Stage 4, a post-construction survey report is to be prepared.

60.2 The post-construction survey should:

- a. Identify whether construction work caused any damage to affected buildings identified in the pre-construction survey at Mitigation Measure 27; and
- b. Be provided to the owner of identified buildings and Crown Certifier in the form of Post-Construction Survey Report.

60.3 Where the post-construction survey report determines that there is damage to a building as a result of construction activity, the Proponent must repair any damage caused by carrying out the works.

61. Operational waste management

- 61.1 Prior to the completion of Stage 2, any operational waste management measures necessary for the activity shall be finalised in an Operational Waste Management Plan. This plan should outline how waste would be minimised, handled, stored and disposed of appropriately, including in accordance with any relevant guidelines.
- 61.2 A copy of the Operational Waste Management Plan is to be provided to the Crown Certifier, Hospital and/or LHD.
- 61.3 On completion of Stage 4, the Operational Waste Management Plan shall be reviewed, and amended if necessary, with any amended copy provided to the Crown Certifier, Hospital or LHD.

62. External Lighting

Prior to the completion of Stage 4, it must be demonstrated to the Crown Certifier that all external lighting complies with Australian Standard AS/NZS 4282:2019 Control of the Obtrusive Effects of Outdoor Lighting.

63. Mechanical ventilation

Prior to the completion of Stage 2, it must be demonstrated to the Crown Certifier that mechanical ventilation systems complies with:

- a. Australian Standard AS 1668.2-2012 The use of ventilation and air-conditioning in buildings – Mechanical ventilation in buildings and other relevant codes; and
- b. Any dispensation granted by Fire and Rescue NSW.

64. Operational Noise – Plant and Machinery

Prior to the completion of Stage 2, it must be demonstrated to the Crown Certifier that noise associated with the operation of any mechanical plant or machinery does not exceed the relevant project noise trigger levels as recommended in the Cowra Hospital Redevelopment Operational Noise Management Plan, prepared by Acoustic Logic and dated 14 December 2022.

65. Landscaping

Prior to the completion of Stage 4, all landscaping shown on the final Landscape Plans under Mitigation Measure 8 must be completed on the site to the satisfaction of the Crown Certifier.

66. Landscape Management Plan

- 66.1 Prior to the completion of Stage 4, a Landscape Management Plan must be prepared that provides measures for on-going operation and management of landscaping.
- 66.2 A copy of the Landscape Management Plan is to be provided to the Crown Certifier, Hospital and/or LHD.

67. Bicycle Parking

Prior to the completion of Stage 4, it must be demonstrated to the Crown Certifier that the following requirements for secure bicycle parking have been satisfied:

- a. The provision of 6 bicycle parking spaces;
- b. The layout, design and security of bicycle facilities that comply with the minimum requirements of the latest version of AS 2890.3:2015 Parking Facilities, Part 3: Bicycle Parking, and are suitably located with respect to access and surveillance;
- c. Where feasible, associated shower and change facilities are made available; and
- d. Appropriate wayfinding and/or advisory signage.

68. Car Parking

- 68.1 Prior to the completion of Stage 2, it must be demonstrated to the Crown Certifier:
- The northern car park is delivered with 11 spaces per the Plans and Documents under Mitigation Measure 2;
 - The layout and design of this car park complies with the relevant Australian Standards;
 - Associated lighting to this car park facility; and
 - Appropriate wayfinding and/or advisory signage.
- 68.2 Prior to the completion of Stage 4, it must be demonstrated to the Crown Certifier that the following requirements for all car parking have been satisfied:
- The provision of a maximum of 42 car parking spaces on the site;
 - The layout and design of car parking complies with the relevant Australian Standards;
 - Associated lighting to car parking facilities;
 - Required operational measures, including an Operational Management Plan, that also provides relevant measures for any fleet parking and staff parking; and
 - Appropriate wayfinding and/or advisory signage.

69. Signage

- 69.1 Prior to the completion of Stage 2, the freestanding sign near the Brisbane Street driveway and the freestanding directional sign at Liverpool and Brisbane Streets must be installed to the satisfaction of the Crown Certifier.
- 69.2 Prior to the completion of Stage 4, all signage on the Plans at Mitigation Measure 2 must be installed to the satisfaction of the Crown Certifier.

Post operation

Note: The following Conditions are to be complied with post operation of the facility.

70. Operation of plant and machinery

All plant and equipment used as part of the activity must be maintained and operated in a proper and efficient condition.

71. External lighting

Should the external lighting result in any impacts on the amenity surrounding sensitive receivers, the Proponent must provide appropriate measures to reduce the impacts. Such measures may include adjusting light mounting and direction, and/or screening devices such as shades.

72. Stormwater management

Stormwater management systems must be maintained and operated in a proper and efficient condition.

73. Discharge limits

The activity must remain compliant with Section 120 of the POEO Act, which prohibits the pollution of waters.

74. Sustainability

Within 6 months of completion of Stage 4, the Crown Certifier is to be provided with evidence that the activity attains the minimum number of ESD points as required by Mitigation Measure 14.2.

75. Landscape management

Landscaping must remain appropriately maintained, and cared for, in accordance with the Landscape Management Plan required at Mitigation Measure 66.

76. Hazards and risks

Chemicals, fuels and oils that could be used on the site are to be handled in accordance with:

- a. The requirements of relevant Australian Standards; and/or
- b. The EPA Storing and Handling of Liquids: Environmental Protection – Participants Manual if the chemicals are liquids.

77. Dangerous goods

Dangerous goods, as defined by the Australian Dangerous Goods Code, are to be stored and handled in accordance with the recommendations of the Cowra Hospital Redevelopment Resilience and Hazards SEPP Screening prepared by Arup dated 30 September 2022, and all relevant Australian Standards.

Advisory Notes

AN1 Project Compliance – DGN 40

Health Infrastructure (HI) is responsible for ensuring that the conditions of consent are complied with during the course of the delivery of the project. To ensure that HI is complying with its legal obligations, compliance with the requirements of DGN 40 – Compliance with Planning Approval Conditions is required.