

KANE

ENVIRONMENTAL MANAGEMENT PLAN

Children's Hospital Westmead (CHW) Stage 2 & VVMF – Refurbishment Works

31/05/2023



CHANGE HISTORY

FREQUENCY OF REVIEW

☐ Monthly ☒ Quarterly ☐ Annually ☐ Event:

ISSUE	CHANGE TYPE	AMENDMENT SUMMARY	DRAFTED	APPROVED	DATE
01	For CC	First Issue	SS	SB	07/03/23
02	Reviewed	Minor changes based on PwC feedback	SS	SB	31/05/23
03					
04					
05					

SCHEDULE 3 (Clause Ref 3.5)

Environmental Management Plan

Who shall implement	Project Manager to prepare for implementation on site
When to implement	Each Project
How to use/implement	<p>The Project Manager shall prepare and authorise for use the Project Environmental Management Plan EMP. In preparing the EMP, the Project Manager must:</p> <ul style="list-style-type: none">• insert names of Kane staff into the chart• detail consultation process• prepare environmental risk assessment and checklist• prepare incident response flowchart

SELF VERIFICATION CHECKLIST

	REF Requirement	DOCUMENT REFERENCE
10	A detailed Construction Environmental Management Plan (CEMP) is to be prepared prior to the commencement of works 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:	
10 (a)	Details of: <ul style="list-style-type: none"> 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. viii. community consultation and complaints handling. 	Section 5.1 Attachment 4 Section 5.3 / Attachment 2 Refer CSWMP Refer CSWMP Refer CEMP (this document) Attachment 1 Attachment 4
10 (b)	Construction traffic and pedestrian management plan;	Refer CTPMP
10 (c)	Construction noise and vibration management;	Refer CNVMP
10 (d)	Construction waste management, including contaminated waste;	Refer CWMP
10 (e)	Construction soil and water management;	Refer CSWMP
10 (f)	Flood management;	N/A
10 (g)	Tree protection;	N/A
10 (h)	Air quality and dust management measures;	Section 5.3 / Section 5.10
10 (i)	Demolition work plans;	Attachment 10
10 (j)	Unexpected finds protocol for Aboriginal and non-Aboriginal heritage and associated communications procedure;	Attachment 9
10 (k)	Unexpected finds protocol for historical heritage;	Attachment 9

10 (l)	Unexpected finds protocol for contamination; and	Attachment 8
10 (m)	Emergency Management Plan.	N/A
10 (n)	Training of responsibilities under National Parks and Wildlife Act 1975, Heritage Act 1977 and any other relevant legislation.	N/A

	PSB SSDA Requirement Stage 5: Pathology Expansion (only)	DOCUMENT REFERENCE
B14	<p>Management plans required under this consent must be prepared having regard to the relevant guidelines, including but not limited to the Environmental Management Plan Guideline: Guideline for Infrastructure Projects (DPIE April 2020).</p> <p>Note:</p> <ul style="list-style-type: none"> • The Environmental Management Plan Guideline is available on the Planning Portal at: https://www.planningportal.nsw.gov.au/major-projects/assessment/post-approval • The Planning Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans. <p>Prior to the commencement of construction, the Applicant must submit a Construction Environmental Management Plan (CEMP) to the Certifier and provide a copy to the Planning Secretary for information. The CEMP must include, but not be limited to, the following:</p>	
	<p>(a) Details of:</p> <p>(i) hours of work;</p> <p>(ii) 24-hour contact details of site manager;</p> <p>(iii) management of dust and odour to protect the amenity of the neighbourhood;</p> <p>(iv) groundwater management plan including measures to prevent groundwater contamination; and</p> <p>(v) external lighting in compliance with AS 4282-2019 Control of the obtrusive effects of outdoor lighting;</p>	<p>Section 5.1</p> <p>Attachment 4</p> <p>Section 5.3 / Attachment 2</p> <p>Refer CSWMP</p> <p>Section 5.12</p>
	(b) an unexpected finds protocol for contamination and associated communications procedure to ensure that potentially contaminated material is appropriately managed;	Attachment 8
	(c) an unexpected finds protocol for Aboriginal and non-Aboriginal heritage and associated communications procedure;	Attachment 9
	(d) Construction Traffic and Pedestrian Management Sub-Plan (see condition B16);	Refer CTPMP

	(e) Construction Noise and Vibration Management Sub-Plan (see condition B17);	Refer CNVMP
	(f) Construction Waste Management Sub-Plan (see condition B18);	Refer CWMP
	(g) Construction Soil and Water Management Sub-Plan (see condition B19); and	Refer CSWMP
	(h) Flood Emergency Response (see condition B20).	N/A

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1 INTRODUCTION

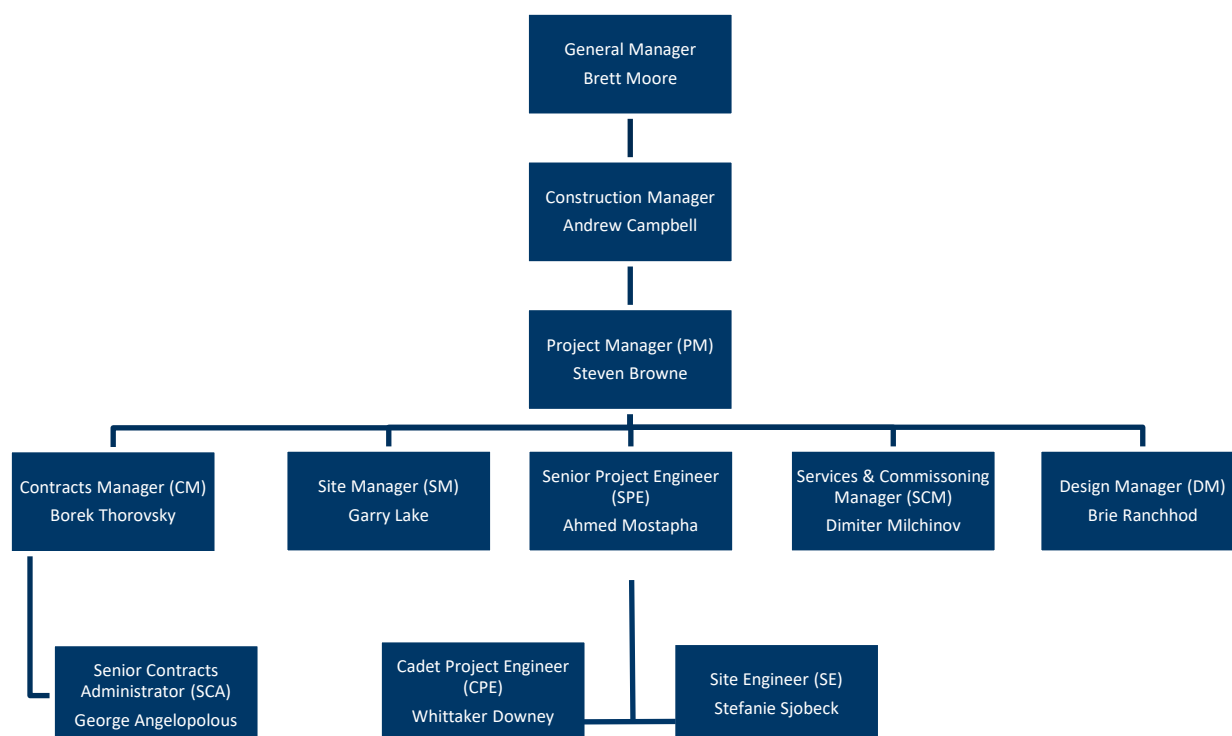
The Kane Constructions Environmental Management System is third party certified to ISO 14001 and developed for functionality and use at construction site level. The system is designed so that when implemented, will assist in achieving the objectives of the Kane Environmental Management Policy.

The Environmental Management Plan facilitates a systematic approach to site environmental management by applying the processes, checklists and forms of the Kane EMS to achieve compliance with relevant Environmental Legislation. When implemented on site, the checklists and forms of the Kane EMS become a record of project environmental management. We audit internally for compliance with the Kane EMS and randomly select sites for third party surveillance auditing for compliance with ISO 14001.

The Environmental Management Plan is developed to identify workplace environmental hazards, assess risks and implement control measures associated with activities, products and services over which Kane have control or influence.

The Kane project team is identified in the chart below. The project staff responsible for environmental management is assessed for competence, understanding and acceptance of the environmental responsibilities. Confirmation of this is provided – *refer Attachment 7*

1.1 Project Team Chart



2 CONSULTATION AND COMMUNICATION

2.1 Site Induction

Before commencing work, all visitors must report to the site office for a site specific induction where employees and service providers are presented information contained in the Environmental Induction Booklet (*refer Attachment 3*). Consultation and communication processes established are communicated at the site induction. All workers are encouraged to express their views on environmental issues direct to the Site Manager.

2.2 Currency and Awareness of Environmental Information

Kane Constructions seek Environmental advice, assistance and keep updated with changes to Environmental legislation, regulations and guidelines through the following (not limited to);

- Environmental Protection Authority Victoria
- Office of Environment and Heritage NSW
- Department of Environment and Resource Management QLD
- Department of the Environment, Climate Change, Energy and Water ACT
- Standards Australia Update emails etc.

During toolbox talks, the Site Manager shall communicate relevant alerts, newsletters, bulletins, results of audits, corrective actions etc. consistent with current activities on site. These shall be recorded using the OHSMS Schedule W-Record of Meeting proforma.

3 TRAINING AND COMPETENCY

3.1 Kane Staff

Kane Constructions ensures ongoing Environmental Management and Awareness training for all employees based on skill gaps. This targets the needs of individual people and relates appropriately to their roles and responsibilities. Certificates of competency are maintained in staff personnel files and available to validate competency upon request.

3.2 Non Kane Staff

The employer is responsible for providing their employees with the relevant training and supervision so they have the necessary competency and skills to undertake their responsibilities.

4 HAZARD IDENTIFICATION AND RISK CONTROL

4.1 Hazard Identification

Refer to Attachment 8 for the Unexpected Finds & Communications Protocol for contaminated materials.

4.2 Risk Assessment

An Environmental Risk Assessment and Checklist is prepared by the Project Manager to identify environmental aspects associated with the activities to be undertaken (*refer Attachment 2*). The risk of those aspects occurring and causing environmental impact is rated, and control measures identified to reduce the risk.

The Site Manager is responsible for ensuring the control measures determined in the Environmental Risk Assessment and Checklist are implemented and remain effective. The aspects that have significant impact and assessed to be of higher risk must be given the highest order of priority.

5 ENVIRONMENTAL ASPECTS

5.1 Work Hours

Construction, including the delivery of materials to and from the site, may only be carried out between the following hours:

- (a) between 7am and 6pm, Mondays to Fridays inclusive; and
- (b) between 8am and 1pm, Saturdays (and between 1pm and 5pm if works do not exceed the existing background noise level plus 5dB).

No work may be carried out on Sundays or public holidays.

5.2 Noise

The Site Manager will ensure noise and vibration levels meet acceptable standards and statutory requirements. Potential noise sources include but not limited to; plant, machinery, radios and construction methods.

"On-site" noise assessments and benchmarking of specific equipment, which are forecasted to have moderate to high noise impacts, will be conducted periodically during the project to ensure the maintenance of safe noise levels for on-site workers, as well as neighbouring residences and businesses.

Refer to the Construction Noise Vibration Management Plan prepared by Acoustic Logic.

5.3 Dust and Odour

The main site activities that have potential to generate dust & odour are; disturbance of ground conditions including the interim capping layer, vehicle movements, vehicle emissions, dry powdery soils, stockpiled soils, and ponding water. The Project Manager will identify sources and apply appropriate controls while the Site Manager will ensure the controls are managed effectively. It is up to the Project Managers discretion to identify dust causing activities and appropriate controls to be implemented. Such controls could include; wheel shakers, wheel wash, manual cleaning, tarpaulins to cover haulage trucks, daily monitoring of weather conditions (wind), daily hose down of problem areas, dust protection sprinklers, dust suppression machines and chemical applications as required.

5.4 Waste

The accumulation of waste resulting from demolition works, construction works, packaging, office tasks and amenities will be managed accordingly by Kane and/or engaged subcontractors. The Site manager shall ensure facilities are provided to adequately dispose of all types of waste. All site waste management will be in accordance with the Kane Constructions Waste Management Plan.

5.5 Chemicals

Various chemicals stored on site include but not limited to fuels, oil, paint and adhesives may have an impact on the environment if not handled appropriately. The Site manager will ensure minimum quantities of chemicals are stored correctly on site and empty packaging is disposed of in accordance with state laws and regulations.

5.6 Land Contamination / Soil Contamination

Various activities may contribute to the contamination of land and soil including wash water, brick cutting and plaster. Effective controls shall be implemented to ensure contamination to soil is

minimised. Refer to the Kane Constructions Unexpected Finds protocol for contamination and associated communications procedure (Attachment 8).

5.7 Erosion and Sediment

Rain and/or water used on site over recently disturbed or bare areas of soils have potential to carry sediment off site and cause erosion impacting native vegetation and water courses. The Site Manager shall minimise the disturbance of vegetation to reduce the likelihood of sediment loss and erosion. All erosion and sediment controls will be completed in compliance with the Construction Soil and Water Management Plan (CSWMP).

5.8 Flora / Fauna

Plant/machinery and various forms of construction work can impact negatively on surrounding flora and native vegetation. Protection of existing native vegetation from the impacts of construction work shall be implemented by the Site Manager.

When native fauna is encountered, it must not be disturbed. Notify the Site Manager if you see any fauna which is in the way of conducting work. Disturbing, injuring or killing native fauna without a permit may lead to prosecution.

5.9 Mud on Road

Vehicle movements after heavy rain events increase the risk of transferring mud and dirt onto public roads. The Site Manager shall put controls in place to ensure the risk of mud on roads is minimised. These controls may include; shaker grids, wheel wash downs, tarpaulins on haulage trucks and road cleaning as required.

5.10 Heritage Sites

Various forms of construction work including demolition can have an impact on the cultural heritage of an existing building or site. The heritage significance of the building shall be determined by the Project Manager and the Site Manager shall ensure agreed protection methods are implemented on site. Refer to the Kane Constructions Unexpected Finds protocol for aboriginal and non-aboriginal heritage items (Attachment 9).

5.11 Air Pollution

Poor plant maintenance and exhaust emissions will impact the quality of the air. The Site Manager shall ensure that incoming plant is assessed and confirmed to be maintained in accordance with manufacturer's recommendations. Other sources of air contaminants shall be contained and managed appropriately.

5.12 Obtrusive Lighting

All external site lighting will be selected, positioned and controlled in a manner that there will be no obtrusive impacts on surrounding buildings in accordance with AS4282-2019. Project Manager and site management will monitor the above and ensure compliance.

6 SYSTEM IMPLEMENTATION AND RESPONSIBILITIES

Site staff have responsibility for implementation of the following site specific Environmental Management system procedures and related Kane Business Management System procedures. Responsibilities listed below must be read in conjunction with the Kane EMS responsibilities (refer Clause 3.1). The priority, order and timeframes in which the items below are implemented may

differ as determined by the Project Manager to suit the project construction programme and the findings of the environmental risk assessment.

Project Specific Systems	Corporate Responsibility	Individual Responsibility
1. Include Environmental Management as a fixed agenda item of meetings	Kane	Kane PM, CM, CA
2. Develop the Environmental Management Plan EMP and all attachments	Kane	PM
3. Deliver Site Induction (including policy, controls, incident response)	Kane	SM / WHS Coordinator
4. Implement the environmental controls identified in the EMP	Kane and Subcontractors	SM, Subcontractor Supervisor, WHS Coordinator
5. Implement Incident Response procedure (where incidents occur)	Kane and Subcontractors	SM, Subcontractor Supervisor, WHS Coordinator
6. Raise Non-conformance reports and initiate corrective and preventative action	Kane and Subcontractors	SM, Subcontractor Supervisor, WHS Coordinator
7. Communicate alerts, incidents etc via Toolbox Meetings	Kane and Subcontractors	SM, Subcontractor Supervisor
8. Update site noticeboard with material waste data sheets	Kane	SM, WHS Coordinator
9. Monitor and evaluate environmental controls (document weekly)	Kane and Subcontractors	SM, Subcontractor Supervisor, WHS Coordinator
10. Measure and evaluate the effectiveness of the EMP	Kane	PM, WHS Coordinator

7 INCIDENT NOTIFICATION, INVESTIGATION AND RESPONSE

7.1 Incident notification

All site employees are responsible for notifying the Site Manager if they witness a pollution incident including leak, spill or escape of a substance or pollution incident causing or threatening public or property harm. In the event of an incident, the clean-up process shall be managed under the direct supervision of the Site Manager. The Site Manager is responsible for reporting notifiable incidents to the relevant environmental authority, Kane Senior Management and the Client Emergency Contacts in accordance with Attachment 4 Incident Response Flowchart.

7.2 Investigation and action taken

Procedural and/or legislative Non-conformances are identified, investigated, corrected and prevented by raising an Improvement Notice (refer Attachment 5). When raised, Kane Site Management documents the non-conformance and recommendation on how to correct the non-conformance. The Improvement Notice recipient is required to document the action taken to rescind the notice. Kane Site Management determines if the rectification is complete and adequate to prevent recurrence.

If the incident is of a large magnitude and poses high risk, the Site Manager shall contact and allow emergency services to manage the clean-up process. Such incidents shall be investigated using Kane OHSMS Schedule M/2 - Incident Investigation to determine how the incident occurred, how to prevent recurrence and how procedures may require revision to improve preparedness

and response. The findings of an investigation are reviewed by the Construction Director, Systems Manager, Systems Coordinator, and Construction Supervisor NSW/QLD with a view to disseminating the lessons learnt to all projects.

8 AUDITING AND FREQUENCY

8.1 Internal

Quarterly Audit Report (refer Attachment 7) is used by the Project Manager to audit effective implementation of the Kane EMS. Points are awarded for effective implementation and points taken where noncompliance is observed. The audit facilitates recognising good practice environmental management and requires actions be documented where improvement is necessary. Each site is audited quarterly (minimum) close to the end of each reporting period on a day determined by the Project Manager. The audit report is issued to the Systems Manager for VIC projects or Construction Supervisor for NSW/QLD projects to review against company objectives/targets and identify trends that may appear (positive and negative). The audits are scheduled at the end of the following months (or otherwise scheduled to avoid holiday and extremely busy periods i.e. lead up to Christmas)

- March (Jan – Mar)
- June (Apr – Jun)
- September (Jul – Sept)
- December (Oct – Dec)

Random EMS audits are undertaken by the Systems Manager/Coordinator (VIC) and Construction Supervisor (NSW/QLD). Reports are prepared and distributed to all staff on the project for actioning and for information to the Directors in each state.

8.2 External

Kane Constructions certification to ISO 14001 – Environmental Management requires third party surveillance audits be undertaken. Projects are selected randomly. Each audit confirms if the company certification should remain. Corrective action must be promptly closed where identified.

It is not uncommon for head contracts to require external audits of projects. The auditor is commonly required to have Lead Auditor competency. Audit frequency and reporting requirements differ based on project complexity and risks.

9 ATTACHMENTS

Attachment	Document Title	Kane OHS / BMS Reference
1	Schedule of Acts, Regulations, Standards and Codes of Practice	EMS-SYS-SCH3-ATT1
2	Risk Assessment and Checklist	EMS-SYS-SCH3-ATT2
3	Environmental Induction	EMS-SYS-SCH3-ATT3
4	Incident Response Flowchart	EMS-SYS-SCH3-ATT4
5	Improvement Notice	EMS-SYS-SCH3-ATT5
6	Quarterly Audit Report	EMS-SYS-SCH3-ATT6
7	Confirmation of Responsibilities	EMS-SYS-SCH3-ATT7
8	Unexpected Finds Protocol Contamination and Associated Communications Procedure	-
9	Unexpected Finds Protocol Aboriginal & Non-Aboriginal Heritage Items	-
10	Demolition Work Plans	-
11	VVMF Asbestos Management Plan	-

The below table identifies the documents associated with this EMP, however are integrated with and presented in the Kane Occupational Health and Safety Management System.

Document Title	Document Description	Document Number	Kane OHS / BMS Reference
Skills Register	Register of training /competency	OHS-SYS-SCHD	OHS Schedule D
Post Tender Interview	Contract document detailing environmental management obligations of all subcontractors engaged	NA	Section 8.26
Incident Investigation	Form completed for the purposes of investigating incidents	OHS-SYS-SCHM2	OHS Schedule M2
Site Induction Record	Form completed by all inductees detailing personal and employment details	OHS-SYS-SCHP	OHS Schedule P
Record of Consultation	Form used to record consultation / communication	OHS-SYS-SCHW	OHS Schedule W

ATTACHMENT 1

Schedule of Acts, Regulations, Standards and Codes of Practice

Who shall implement	Construction Director/Secretary- Maintain currency of documentation All Project Staff- Ensure availability of publications for the use on site
When to implement	Bi Annually- Maintain Currency As required - Provide documentation
How to use/implement	The list of publications is available to confirming legal obligations / best practice controls / guidance material for works on site. All Commonwealth legislation applies across Australia. All other legislation is relevant to the state of NSW.


Publication	Source
Acts <u>Environment Protection</u> Protection of the Environment Administration Act 1991 National Environment Protection Council (NSW) Act 1995 Protection of the Environment Operations Act 1997 Smoke Free Environment Act 2000 Contaminated Land Management Act 1997 <u>Planning and Environmental Impact Assessment</u> Waste Avoidance and Resource Recovery Act 2001 Environmental Reform (Consequential Provisions) Act 1999 Environment Protection and Biodiversity Conservation Act 1999 (Commonwealth) <u>Heritage and Other Land Protection Legislation</u> National Parks and Wildlife Act 1974 <u>Other Acts with Potential to Affect Construction Activities</u> Health Administration Act 1982 Dangerous Goods (Road and Rail Transport) Regulation 2014 Water Act 2007 (Commonwealth)	NSW Legislation and Parliamentary Document Website http://www.legislation.nsw.gov.au/ Search Using title OR Commonwealth Legislation Website http://www.comlaw.gov.au/Home Search using title

<p>Regulations</p> <p>Protection of the Environment Operations (Clean Air) Regulation 2010</p> <p>Protection of the Environment Operations (General) Regulation 2009</p> <p>Protection of the Environment Operations (Noise Control) Regulation 2017</p> <p>Protection of the Environment Operations (Waste) Regulation 2014</p> <p>Contaminated Land Management Regulation 2013</p>	<p>NSW Legislation and Parliamentary Document Website http://www.legislation.nsw.gov.au/ Search using title</p>
<p>Office of Environment and Heritage Publications and Guidelines</p> <p>Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW</p> <p>Managing Urban Stormwater Harvesting and Re-Use</p> <p>Soil and Construction</p> <p>Environmental Management on the Urban Fringe</p> <p>6.1 Economic incentives for environmental management</p> <p>6.2 Property management plan</p> <p>6.3 Environmental assessment</p> <p>Storing and Handling Liquids: Environmental Protection - Participants Manual Interim</p> <p>Construction Noise Guideline</p> <p>Review of alternatives to 'beeper alarms' for construction equipment</p> <p>Assessing Vibration: A Technical Guideline</p>	<p>NSW Government – Office of Environment and Heritage Website</p> <p>http://www.environment.nsw.gov.au/ Search using title</p> <p>http://www.environment.nsw.gov.au/clm/index.htm</p> <p>https://www.epa.nsw.gov.au/</p>
<p>Other Standards and Guidelines</p> <p>ISO</p> <p>ASNZS ISO 14001:2015 - Environmental Management Systems</p> <p>Environmental Management System Guides – Risk Based Licencing Biodiversity</p> <p>Biodiversity Conservation Act 2016</p> <p>The National Strategy for the Conservation of Australia's Biological Diversity</p>	<p>http://www.environment.gov.au</p> <p>https://legislation.nsw.gov.au/view/html/inforce/current/ac%20t-2016-063</p>

<p>Australian Government Department of Defence</p> <p>Defence Environmental Strategic Plan 2016- 2036</p>	<p>Department of Defence Infrastructure Management Website</p> <p>https://defence.gov.au/EstateManagement/governance/p%20olicy/environment/Policy/EnvironmentStrategy2016.PDF</p>
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ATTACHMENT 2

Risk Assessment and Checklist

ATTACHMENT 2 – INTERIM ENVIRONMENTAL RISK ASSESSMENT and CHECKLIST (CI 3.5.1)				ASSESS RISK RATING IN ACCORDANCE WITH THE BELOW RISK CLASSIFICATION TABLE Determine the RATING for each aspect (including any site specific) after consideration of the standard risk controls. After implementation of the standard risk controls, is there:					
Job No. 2591		Job Title: Children's Hospital Westmead Stage 2 & VVMF - Refurbishment		• Potential for pollution resulting in long term damage • Potential for pollution that cannot be mitigated immediately • A specific contract requirement • A specific permit requirement • A specific authority requirement			H - HIGH	Additional risk controls required. Frequency of monitoring to be based on level of risk	
Prepared By : Steven Browne		Position : Project Manager Sign :  Date Approved: 07/03/2023							
Date of Review: 07/03/2023		Risk Review undertaken by (list names / company);		• Minimal potential for public or other complaint • Minimal potential for pollution (mitigated with minor damage)			M - MEDIUM	Monitor weekly to ensure controls are effective (may require increased monitoring based on inspections)	
Review Number 1				• No potential for public or other complaints • No potential for a legal breach • No specific contract requirement • No specific permit requirement • No specific authority requirement			L - LOW	No additional risk controls. Monitor weekly	
No	ASPECTS	SOURCE	STANDARD RISK CONTROLS	Residual Risk Rating (H, M, L)	Additional Risk Controls Required (where risk rating is H)	No. of Compliance Controls Observed	No. of Non-Compliance Controls	Minor Actions Required [Improvement Notice (Attachment 5) to be raised where significant Non-compliance is observed]	Initial and Date when action Completed
1	Noise	Plant / Machinery Construction Methods Radios	<ul style="list-style-type: none">Plant /machinery maintained in accordance with manufacturer recommendationsSilencers placed on large compressors / generatorsComply with council work hoursLimit volume of radiosUtilise prefabricated materials	L		5	0	0	SB
2	Dust & Odour	Ground disturbance Vehicle Movement Dry powdery soils	<ul style="list-style-type: none">Protect surrounding buildings ventilation systems with louvre filtersProtect areas of vegetation and minimise clearing / disturbanceCover exposed ground with mulch or other suitable materialRestrict vehicle movementsDampen surfaces with fence mounted sprinklers, water cart (seek approval where water restrictions apply)Landscape and re-vegetate as soon as possibleSeed, or cover and maintain soil stockpilesSpecial, high quality hoarding which meets infection control standards installed for operational healthcare facilitiesPlant / machinery maintained in accordance with manufacturer recommendationsPlant / machinery exhaust emissions monitored for smoke (should not observe continuous smoke for longer than 10 seconds)	L		10	0		SB
3	Waste	Demolition Construction Works Packaging Office Amenities	<ul style="list-style-type: none">Utilise separate recycle bins for paper, steel etc (space permitting on site)Use bin contractors who sort and recycle construction wasteUtilise existing client facilities for domestic recyclables (paper, cans etc)Recycle demolished materials wherever possiblePlace lids on domestic waste bins for odour and vermin control	L		4	0		SB
4	Chemicals	Fuel Oil Paint Adhesives	<ul style="list-style-type: none">No bulk storage of fuel / oil on site (fuel tankers to visit site as required)Paints, adhesives stored on site at minimum quantities in vented containers/roomsAll storage of chemicals shall comply with the Material Safety Data SheetMajor servicing of plant e.g. where large quantities of oil requires changing shall be undertaken off site	L		4	0		SB
5	Contamination (from slurry / wash water) & Soil	Paint Plaster Concrete Brick / Paver	<ul style="list-style-type: none">Use paint wash trough. Settled solids should be removed by an appropriate waste disposal companyDesignate a washing up and brick cutting area away from stormwater drains. Build an earth bund to contain wash water from concrete, plaster, brick cuttingDocumented evidence of contaminated soil removed from site is accepted by landfill facility	L		2	1	Given the nature of the project comprising of internal refurbishment works and extension of the existing hospital building, the	SB

	Contamination	cutting						potential for works to encounter contaminated materials is low	
6	Erosion and Sediment	Disturbed / cleared soils Rain events	<ul style="list-style-type: none"> Protect and maintain natural vegetation and minimise clearing / disturbance Connect downpipes to stormwater drainage as soon as possible or pipe roof water onto grassed areas Install sediment fences close to the site boundary and drains where surface water may carry sediment off site Place gravel sausages across pit openings 	L		4	4		SB
7	Mud on Road	Muddy site Vehicle Movements Significant Rain Event	<ul style="list-style-type: none"> Crushed rock placed in areas of vehicle movement Restrict vehicle movements on un-vegetated/exposed ground Cover exposed trafficked ground with mulch or other suitable material Protect areas of vegetation and minimise clearing / disturbance Remove water from site by connecting downpipes to stormwater drainage Install rumble strips at site exit to promote cleaning mud off vehicle tyres 	L		5	1		SB
8	Heritage Sites	Demolition Construction Works	<ul style="list-style-type: none"> Project documentation to be closely reviewed for areas of Heritage significance Any Heritage significance to be identified during site induction Agreed protection measures to be included in the work method statement 	L		0	3	Project scope does not include known heritage sites. Unexpected finds protocol for heritage items to be followed if required.	SB
9	Air Pollution	Plant / Machinery	<ul style="list-style-type: none"> Plant / machinery maintained in accordance with manufacturer recommendations Plant / machinery exhaust emissions monitored for smoke (should not observe continuous smoke for longer than 10 seconds) 	L		2	0		SB
Total Compliant and Non-compliant Observed									
Total Compliant and Non-compliant Observed						36	6	Since Project Started	

ATTACHMENT 3

Environmental Induction Booklet

ATTACHMENT 3 (Clause 3.5.2)

Environmental Induction Booklet for the Children's Hospital Westmead (CHW) Stage 2 & VVMF – Refurbishment Project

Environment Policy	All personnel (Kane Constructions and Subcontractors) must be committed to achieving the objectives of Kane's Environment Policy. The policy is posted on the noticeboard or induction room for all inductees to read
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Incident Response	All site employees are responsible for notifying the Site Manager if they witness a pollution incident including leak, spill escape of a substance or pollution incident causing or threatening public or property harm
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Waste Data Sheets	The Site Noticeboard is updated as required with Material Waste Data Sheets (good practice environmental control information) for all to read
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NOISE	Source <ul style="list-style-type: none">• Plant / Machinery• Construction Methods• Radios• Unnecessary
	Risk Controls <ul style="list-style-type: none">• Plant /machinery maintained in accordance with manufacturer recommendations• Silencers placed on large compressors / generators• Comply with council work hours• Limit volume of radios• Utilise prefabricated materials







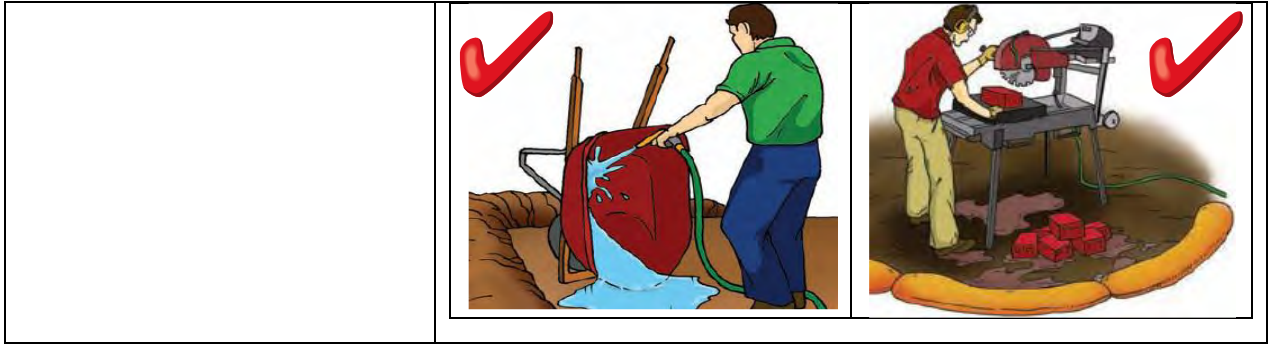
DUST & ODOUR	Source <ul style="list-style-type: none">• Ground disturbance• Vehicle Movement• Dry powdery soils• Cutting• Stagnant water• Infection Control
	Risk Controls <ul style="list-style-type: none">• Protect areas of vegetation and minimise clearing / disturbance• Cover exposed ground with mulch or other suitable material• Restrict vehicle movements• Dampen surfaces (seek approval where water restrictions apply)• Landscape and re-vegetate as soon as possible• Seed or cover soil stockpiles

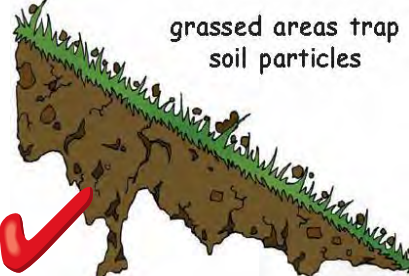

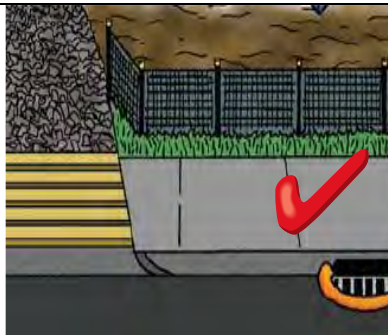
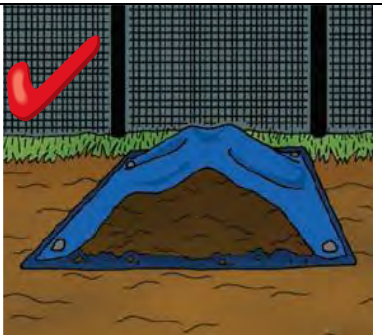



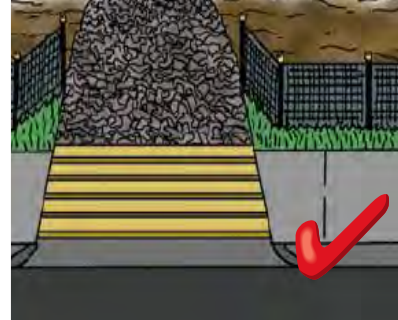
	<ul style="list-style-type: none"> • Monitor stormwater catchments and eliminate ponding zones • Special, high quality hoarding which meets infection control standards installed for operational healthcare facilities <div style="display: flex; justify-content: space-around;">   </div>
---	---

<p style="text-align: center;">WASTE</p>	<p>Source</p> <ul style="list-style-type: none"> • Demolition • Construction Works • Packaging • Office • Amenities
 <p style="text-align: center;">LITTER</p>	<p>Risk Controls</p> <ul style="list-style-type: none"> • Utilise separate recycle bins for paper, steel etc (space permitting on site) • Use bin contractors who sort and recycle construction waste • Utilise existing client facilities for domestic recyclables (paper, cans etc) • Recycle demolished materials wherever possible • Place lids on domestic waste bins for odour and vermin control
 <p style="text-align: center;">RECYCLE</p>	

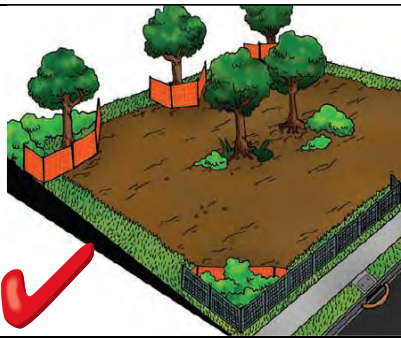
<h2>CHEMICALS</h2>	Source <ul style="list-style-type: none"> Fuel Oil Paint Adhesives
 	Risk Controls <ul style="list-style-type: none"> No bulk storage of fuel / oil on site (fuel tankers to visit site as required) Paints, adhesives stored on site at minimum quantities in vented containers/rooms All storage of chemicals shall comply with the Material Safety Data Sheet Major servicing of plant e.g. where large quantities of oil requires changing shall be undertaken off site
<h2>CONTAMINATION (FROM SLURRY/ WASHWATER)</h2>  	Source <ul style="list-style-type: none"> Paint Plaster Concrete Brick / Tile / Paver cutting Risk Controls <ul style="list-style-type: none"> Use paint wash trough. Settled solids should be removed by an appropriate waste disposal company Designate a washing up and brick cutting area away from stormwater drains. Build an earth bund to contain wash water from concrete, plaster, brick cutting Designate a washing up and brick cutting area away from stormwater drains. Build an earth bund to contain wash water from concrete, plaster, brick cutting Documented evidence of contaminated soil removed from site is accepted by landfill facility

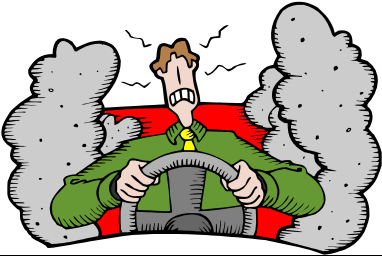


EROSION AND SEDIMENT	Source <ul style="list-style-type: none"> • Disturbed / cleared soils • Rain events
 <p>grassed areas trap soil particles</p>  <p>ROOF WATER connected to storm water or piped onto grassed area</p>	Risk Controls <ul style="list-style-type: none"> • Protect and maintain natural vegetation and minimise clearing / disturbance • Connect downpipes to stormwater drainage as soon as possible or pipe roof water onto grassed areas • Install sediment fences close to the site boundary and drains where surface water may carry sediment off site • Place gravel sausages across pit openings  

MUD ON ROAD	Source <ul style="list-style-type: none"> • Muddy site • Vehicle Movements • Significant Rain Event
 	Risk Controls <ul style="list-style-type: none"> • Crushed rock placed in areas of vehicle movement • Restrict vehicle movements on un-vegetated/exposed ground • Cover exposed trafficked ground with mulch or other suitable material • Protect areas of vegetation and minimise clearing / disturbance • Remove water from site by connecting downpipes to stormwater drainage • Install rumble strips at site exit to promote cleaning mud off vehicle tires

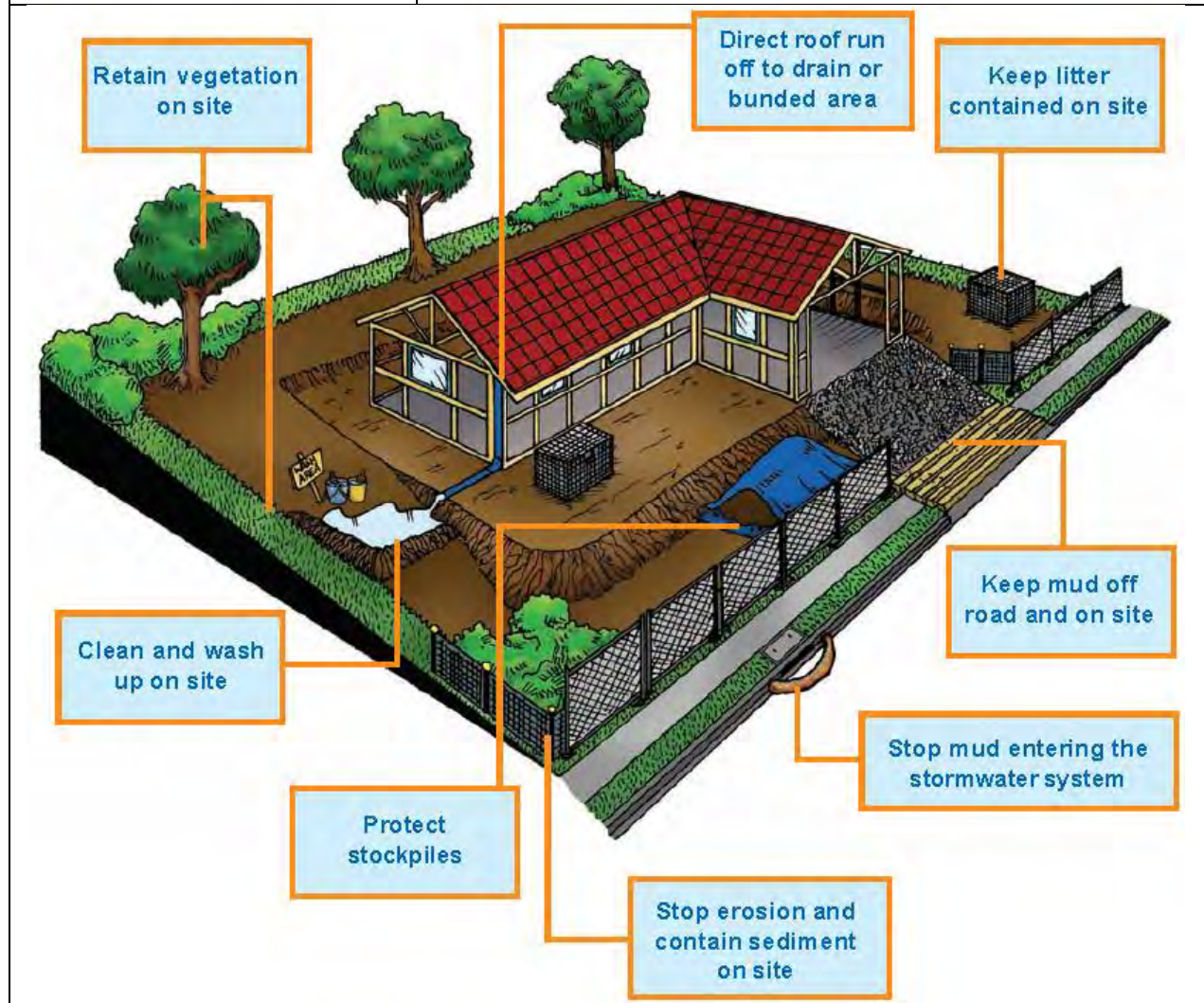


FLORA / FAUNA	Source <ul style="list-style-type: none"> Plant / Machinery Construction Works
	Risk Controls <ul style="list-style-type: none"> Trees, shrubs etc is protected by flagging, roped off i.e. "No Go Zone" Vehicles parked outside of tree root zone to avoid damage No entry to fenced off areas, no pets on sites, stick to access roads, and notify Site Manager of any fauna

AIR POLLUTION	Source <ul style="list-style-type: none"> Plant / Machinery
	Risk Controls <ul style="list-style-type: none"> Plant / machinery maintained in accordance with manufacturer recommendations Plant / machinery exhaust emissions monitored for smoke (should not observe continuous smoke for longer than 10 seconds)

SUMMARY

Risk Controls



ATTACHMENT 4

Incident Response Flowchart

ATTACHMENT 4 (Clause 3.5.3)

Incident Response **NSW**



New South Wales

Organisations operating under the New South Wales Department of Planning and Environment (DPE) issued environmental licences are required to notify pollution incidents by calling the DPE Pollution Watch Line.

Pollution incident means an incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise.

- Protection of the Environment Operations Act 1997 (links are to the [NSW legislation website](#)):
 - Section 116: It is an offence to willfully or negligently cause any substance to leak, spill in a manner that harms or is likely to harm the environment.
 - Section 120: It is illegal to pollute or cause or permit pollution of waters.
 - Section 124-126 Businesses must maintain and operate equipment and deal with materials in a proper and efficient manner to prevent air pollution at all times.
 - Section 139 and 140: It is an offence to allow noise from your premises to be generated as a result of the failure to maintain or operate machinery.
 - Section 142: It is an offence to pollute land
 - section 147: Meaning of material harm to the environment
 - section 148: Pollution incidents causing or threatening material harm to the environment
 - section 149: Manner and form of notification
 - section 150: Relevant information to be given
 - section 151: Incidents not required to be reported
 - section 152: Offence for breaching duty to notify pollution incidents
 - section 153: Incriminating information

The DPE relies on everyone in the community to report pollution. The community is encouraged to call the DPE Pollution Watch Line when the following is noticed:

- Smoke or odours from an industry or business
- Spills or slicks in waterways
- Illegal dumping of wastes
- Noise from a factory or industrial complex
- Littering
- Smokey Vehicles

CONTACT ENVIRONMENT LINE

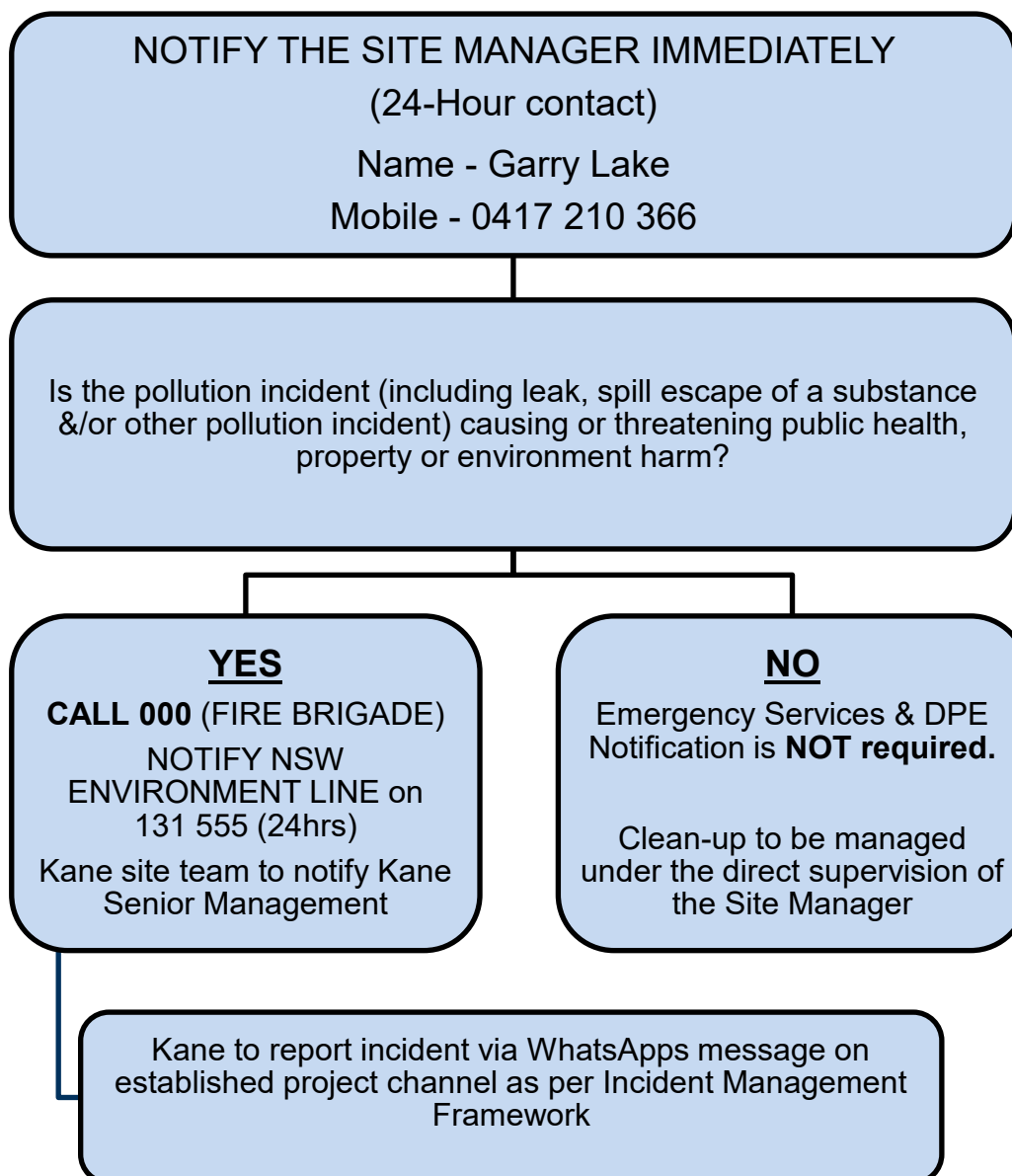
Metropolitan – 131 555 (24 hours)

All site employees are responsible for notifying the Site Manager if they witness a pollution incident including leak, spill escape of a substance or pollution incident causing or threatening public or property harm. When notified, the Site Manager shall implement the attached Incident Response Flowchart.



In the event of an ENVIRONMENTAL INCIDENT

(all types of incidents) notify the Site Manager



3. Incident Management Framework

Category 1 – Critical Incident Trigger: Incident involving fatality or severe injury or major impact to critical hospital operations or incident resulting in potential severe corporate reputational damage.	Category 2 – Significant Incident Trigger: Incident involving major detrimental impact to project, including damage to civil structures, extreme weather impacts, and threats to life or property or major environmental impact, or significant impact to critical hospital operations or any LTI, significant near-miss or external environmental breach.	Category 3 – Minor Incident Trigger: Incident involving Medical Treatment Injury (MTI), potential for LTI, or on-site environmental impact, or minor near miss or non-conformance likely to lead to LTI	Category 4 – Notifiable Incident Trigger: Minor incident and/or safety breach on worksite For example: first aid treatment or non-conformance on site not likely to lead to an LTI
Step 1 – Immediate Contractor sends WhatsApp message on established project channel: Project Manager HI Regional Director / Senior Project Directors/Project Directors/Construction Managers Contractor informs Regulators and Emergency Services if required	Step 1 – Immediate Contractor sends WhatsApp message on established project channel: Project Manager HI Regional Director / Senior Project Directors/Project Directors/Construction Managers Contractor informs Regulators and Emergency Services if required	Step 1 – Within 1 hour Contractor sends WhatsApp message on established project channel: Project Manager HI Regional Director / Senior Project Director/Project Directors/Construction Managers Contractor informs Regulators	Step 1 – Within 4 hours Contractor sends WhatsApp message on established project channel: Project Manager HI Project Directors/Senior Project Directors/Regional Director /Construction Managers
Step 2 – Immediate Regional Director informs: HI Chief Executive Executive Director Western Region/Executive Director Northern Region/Executive Director Rural & Regional HI Communications Business Partner and Director Communications and Engagement	Step 2 – Immediate Regional Director informs: HI Chief Executive Executive Director Western Region/Executive Director Northern Region/Executive Director Rural & Regional HI Communications Business Partner and Director Communications and Engagement	Step 2 – Within 1 hour Regional Director / Senior Project Director / Project Director informs: Executive Director Western Region/Executive Director Northern Region/Executive Director Rural & Regional HI Communications Business Partner and Director Communications and Engagement	Step 2 – Within 8 hours Project Director/Senior Project Director: Engage with HI Communications Business Partner and Director Communications and Engagement
Step 3 – Immediate Chief Executive and Executive Director: Inform Secretary (and if instructed to the Minister), Ministry, Local Health District/s Inform the HI Board Chair Engage with Director Communications and Engagement	Step 3 – Immediate At discretion of CE and ED. Chief Executive and Executive Director inform Secretary (and Minister if instructed), Ministry, Local Health District/s Informs the HI Board Chair Engage with Director Communications and Engagement	Step 3 – Within 2 hours Executive Director: Informs CE and Leadership Team	Step 3 – Within 3 working days Incident report submitted with recommended mitigation to Executive Director Incident Management Team not required Managed through routine project governance and reporting
Step 4 – Immediate HI Chief Executive / Executive Director officially declare incident as detailed in the NSW health Incident Management Policy	Step 4 – Immediate At discretion of CE and ED HI Chief Executive / Executive Director officially declare incident	Step 4 – Within 24 hours Stakeholder Communications Plan implemented Media Management Plan implemented, as required	Step 4 – Within 24 hours Stakeholder Communications Plan implemented Media Management Plan implemented, as required
Step 5 – Within 1 hour Upon CE / ED officially declaring incident, a HI Incident Management Team is formed – see Section 2 below	Step 5 – Within 1 hour Upon CE / ED officially declaring incident, a HI Incident Management Team is formed – see Section 2 below	Step 5 – Within 3 working days Incident report submitted with recommended mitigation to Executive Director Incident Management Team not required Managed through routine project governance and reporting Employee status monitored and incident escalated if condition becomes serious	
Step 6 – Ongoing Incident Management Team assumes control of incident response Media and stakeholder communication managed in line with Section 3 – Stakeholder Relationship Managers and Appendix 1 – Incident Media Protocols	Step 6 – Ongoing Incident Management Team assumes control of incident response Media and stakeholder communication managed in line with Section 3 – Stakeholder Relationship Managers and Appendix 1 – Incident Media Protocols		

ATTACHMENT 5

Improvement Notice

ATTACHMENT 5 (Clause 3.5)



Improvement Notice

This notice is issued as a consequence of your failure to maintain adequate environmental controls during the performance of your contract works

PROJECT – CHILDREN’S HOSPITAL WESTMEAD STAGE 2.	PROJECT NO.
SITE MANAGER – Garry Lake	DATE:

TO:

.....

.....

Company Name

FROM:

.....

.....

Company Name

<input type="checkbox"/> Noise	<input type="checkbox"/> Dust and/or Odour
<input type="checkbox"/> Waste	<input type="checkbox"/> Chemicals
<input type="checkbox"/> Contamination (slurry, wash water, oil)	<input type="checkbox"/> Erosion and Sediment
<input type="checkbox"/> Flora / Fauna	<input type="checkbox"/> Mud on road
<input type="checkbox"/> Heritage	<input type="checkbox"/> Air Pollution
<input type="checkbox"/> Other	<input type="checkbox"/>

Where this Improvement Notice is issued as a result of an environmental incident, IDENTIFY ACTION TAKEN TO CLEAN UP

ACTION TAKEN TO ELIMINATE THE CAUSE (i.e re-induction, improved control measure etc)

VERIFICATION OF ACTION TAKEN (Kane Site Management use only)

☐ Action verified as completed
(inadequate)

☐ Action inadequate (describe why

.....

.....

.....

.....

Signed:

Date:.....
Kane Representative

In the event the company issued this notice fails to action, all costs incurred to undertake these works will be back-charged.

☐ Labour to Rectify

men x hours = Total
Hours

Distribution:

- ☐ Site File
- ☐ Project Manager
- ☐ Subcontractor

ATTACHMENT 6

Environmental Management Audit Report

ATTACHMENT 6 (Clause 4.1.2)

Environmental Management Audit



Who shall implement	Project Manager (Auditor) - Audit and submit report Site Manager (Auditee) - Implement actions identified
When to implement	Quarterly (minimum)
How to use/implement	Project Manager to check compliance, with the Site Manager, of all items against actual site record/observations and score out of 150. If not applicable, write N/A and award total points. Do not award negative points. Lowest score possible is zero. Any issue identified shall be listed (<i>immediate actions required column</i>) and actioned by the Site Manager (<i>sign and date in the closed column</i>). The report is to be issued to the Systems Manager (Vic) or Construction Supervisor (NSW/QLD).

Job Title: CHILDREN'S HOSPITAL WESTMEAD STAGE 2		Period Audited
Site Manager: Garry Lake	Job No.	Date Audited

* if not applicable write N/A and award total points

EMS Sch / CL Ref	Audit Criteria	* Points Scored	Immediate Actions Required	Closed Sign/Date
Sch 1B	1. All EMS (body and schedules) implemented on site is the most current revisions i.e check documents against revision control table (<i>Award 15 points, less 2 points for each document not current</i>)			
Sch 3	2. Environmental Management Plan is signed, dated and prepared using current revision (<i>15 points if signed, dated and current. Less 10 points if not signed and dated. Zero points if not current revision used</i>)			
Sch 3 Att 2	3. Environmental Risk Assessment and Checklist prepared (<i>15 points if prepared, less 10 points if not signed and dated by PM, less 10 points if risk rating is not completed, less 5 points if names of attendees not listed, zero points if not prepared</i>)			
Sch 3 Att 2	4. Environmental Risk Assessment implementation (<i>15 points for completed weekly checks, less 10 points for weeks not completed, zero points for no implementation</i>)			
Sch 3 Att 2	5. Tally of Compliant / Non-Compliant Controls Maintained (<i>5 points, less 2 points if tally not updated, zero points if no tally</i>)			

EMS Sch / CL Ref	Audit Criteria	* Points Scored	Immediate Actions Required	Closed Sign/Date
Sch 3 Att 2	6. Environmental Risk Assessment minor actions required (10 points for minor actions required and closed out, less 2 points each action not closed out)			
Sch 3 Att 3	7. Environmental Induction Booklet displayed in induction room (10 points for induction book displayed, zero points if not displayed)			
Sch 3 Att 4	8. Incident Response Flowchart completed with Site manager's name and displayed on site noticeboard (10 points if completed and displayed, less 5 points for not displaying on the noticeboard and zero points if not completed)			
Sch 3 Att 5	9. Improvement notices raised and closed out (20 points for notices closed out, less 10 points for each notice raised and not closed out)			
Sch 4	10. Materials Waste Data Sheets displayed on site notice board relevant to stage of project works (10 points, less 2 points for each data sheet not relevant to works)			
Sch 3 Att 6	11. Quarterly environmental reporting statistics are submitted by the requested date (15 points, less 10 points if not submitted on time)			
Sch 3 Att 6	12. Are issues/actions repeated from previous audits? (10 points, less 10 points if answered Yes without an explanation why the issues/actions are repeated from previous audits)	Yes/No	If Yes, list the reasons why the issues/actions are not actioned from previous audits	
4.1.2	13. Is the Kane EMS effective in achieving the objectives and targets? (10 points, less 10 points if answered No without an explanation why the system is not effective)	Yes/No	If No, list why (i.e system change, training etc)	

Total Points achieved	maximum score 160	Date Immediate Actions must be closed by	write date above
<p>If maximum points are <u>not achieved</u> on the Audit Criteria 1 and 2 above, the Total Points achieved for this audit shall default to "Improvement Required"</p> <p>If maximum points are <u>not achieved</u> on the Audit Criteria 3, 4 and 6 above, the Total Points achieved for this audit shall default to "Unsatisfactory Result"</p>			
Between 90 - 100% (144 – 160) Points		Kane EMS trainer/mentor suitable to train young foreman	
Between 70 – 89 % (112 – 143) Points		Good Implementation (above average implementation)	
Between 50 – 69 % (80 – 111) Points		Improvement Required (average implementation)	
Below 50 % (0 – 79) Points		Unsatisfactory result (Non-conformance report and re-induction)	

Print Name
(Site Manager)

Print Name.....
(Project Manager)

Distribution

Site File

Systems Manager/Systems Coordinator (VIC)/Construction Supervisor (NSW, QLD)

ATTACHMENT 7

Confirmation of Responsibilities

ATTACHMENT 7



Confirmation of Responsibilities

The project staff responsible for management of environmental management is assessed for competence, understanding and acceptance of their environmental responsibilities. Confirmation of this is provided below.

Each individual shall complete the table to verify the items listed below. Write either Yes or No (alongside the item in your column only) sign and date.

Item 1 I understand my responsibilities identified in the Kane EMS (revision A2)

Item 2 I understand my responsibilities identified in the Environmental Management Plan (revision 1)

Item 3 I was consulted and given opportunity for input in the development of this Environmental Management Plan

Item 4 I am competent to carry out my responsibilities identified in the Kane EMS and this Environmental Management Plan

Item 5 I will carry out my responsibilities identified in the Kane EMS and this Environmental Management Plan

Name	Position	Item 1 Yes/No	Item 2 Yes/No	Item 3 Yes/No	Item 4 Yes/No	Item 5 Yes/No	Sign	Date
Steven Browne	Project Manager	Yes	Yes	Yes	Yes	Yes		7/03/23
Ahmed Mostapha	Senior Project Engineer	Yes	Yes	Yes	Yes	Yes		7/03/23
Borek Thorovsky	Contracts Manager	Yes	Yes	Yes	Yes	Yes		7/03/23
George Angelopoulos	Senior Contracts	Yes	Yes	Yes	Yes	Yes		7/03/23
Matthew Murphy	WHS Coordinator	Yes	Yes	Yes	Yes	Yes		7/03/23
Whittaker Downey	Cadet Project Engineer	Yes	Yes	Yes	Yes	Yes		7/03/23
Briean Ranchhod	Design Manager	Yes	Yes	Yes	Yes	Yes		7/03/23
Stefanie Sjobeck	Site Engineer	Yes	Yes	Yes	Yes	Yes		7/03/23
Garry Lake	Site Manager	Yes	Yes	Yes	Yes	Yes		7/03/23

ATTACHMENT 8

Unexpected Finds Protocol Contamination and Associated Communications Procedure

UNEXPECTED FINDS PROTOCOL FOR CONTAMINATION AND ASSOCIATED COMMUNICATIONS PROCEDURE

Revision History

Revision	Date	Author	Approval	Description
REV 1	7/03/2023	SS	SB	ISSUED FOR CC

Works within the Viral Vector Manufacturing Facility (VVMF) development within the Innovation Centre (IC) are to be in accordance with the associated Asbestos Management Plan 56200/150219 [Rev A] 24 February 2023 by JBS&G (refer Attachment 11).

With regards to the CHW scope of works in areas associated with the Remedial Action Plan for Westmead Children's Hospital Stage 2 PSB by JBS&G (56200/133,598 [Rev 1] 11 May 2022), it is acknowledged that previous investigations of the site have been undertaken to assess the identified contaminants of potential concern in selected parts of the site. However, ground conditions between sampling points may vary, and further hazards may arise from unexpected sources and/or in unexpected locations during remediation. The nature of any residual hazards which may be present at the site are generally detectable through visual or olfactory means, for example;

- bottles / containers of chemicals (visible);
- construction / demolition waste (visible);
- ash and/or slag contaminated soils / fill materials (visible);
- petroleum contaminated soils (odorous, staining / discolouration visible) beyond the identified impact, or at levels that prevent off-site disposal without treatment; and
- volatile organic compound contaminated soils (odorous).

As a precautionary measure to ensure the protection of the workforce and surrounding community, 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 Kane Constructions and HI must be immediately notified and works must cease in the location of the contamination.

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 SEPP (Resilience & 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.

Following completion of the remediation, a Site Remediation & Validation Report (SRVR) which documents the completeness of the remedial work is to be submitted to HI and the EPA, if required. Any contaminated materials or hazardous substances that need to be removed from site are to be classified first and then stored, transported and disposed of in accordance with EPA requirements at an EPA licensed waste facility.

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 Safework Australia Code of Practice "How to Manage and Control Asbestos in the Workplace" February 2016, including being undertaken by contractors who hold a current Safework Asbestos or Demolition License and any other current Safework License required.

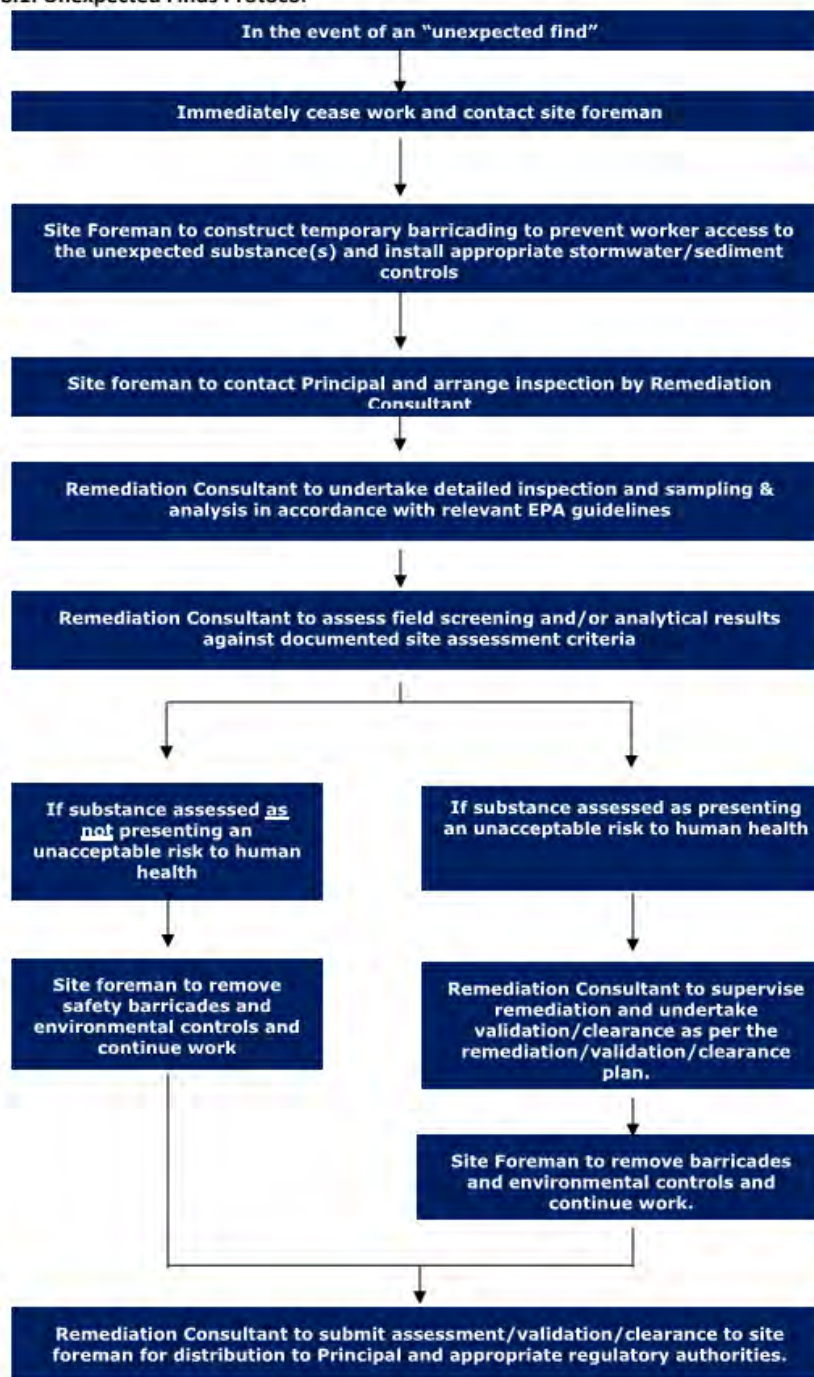
If soils are to be disposed offsite during construction, they are required to be disposed in accordance with the waste classification, subject to additional sampling and analysis. Construction works should not result in the contamination of the site. A spill containment kit will be available at all times. All personnel will be made aware of the location of the kit and trained in its effective deployment. Materials will be sourced from licensed quarries and operators. All materials will be certified uncontaminated and environmentally safe.

The procedure is summarised in the following flowcharts from both the Remedial Action Plan for Westmead Children's Hospital Stage 2 PSB by JBS&G (56200/133,598 [Rev 1] 11 May 2022) Section 8.1 'Unexpected Finds Protocol' and from the Asbestos Management Plan for Westmead Hospital VVMF by JBS&G (56200/150219 [Rev A] 24 February 2023) Section 9.1 'Unexpected Finds Protocol'.

An enlarged version of the unexpected finds protocol, suitable for use on-site, will be posted in the Site Office and referred to during the Site Specific Induction by the Contractor.

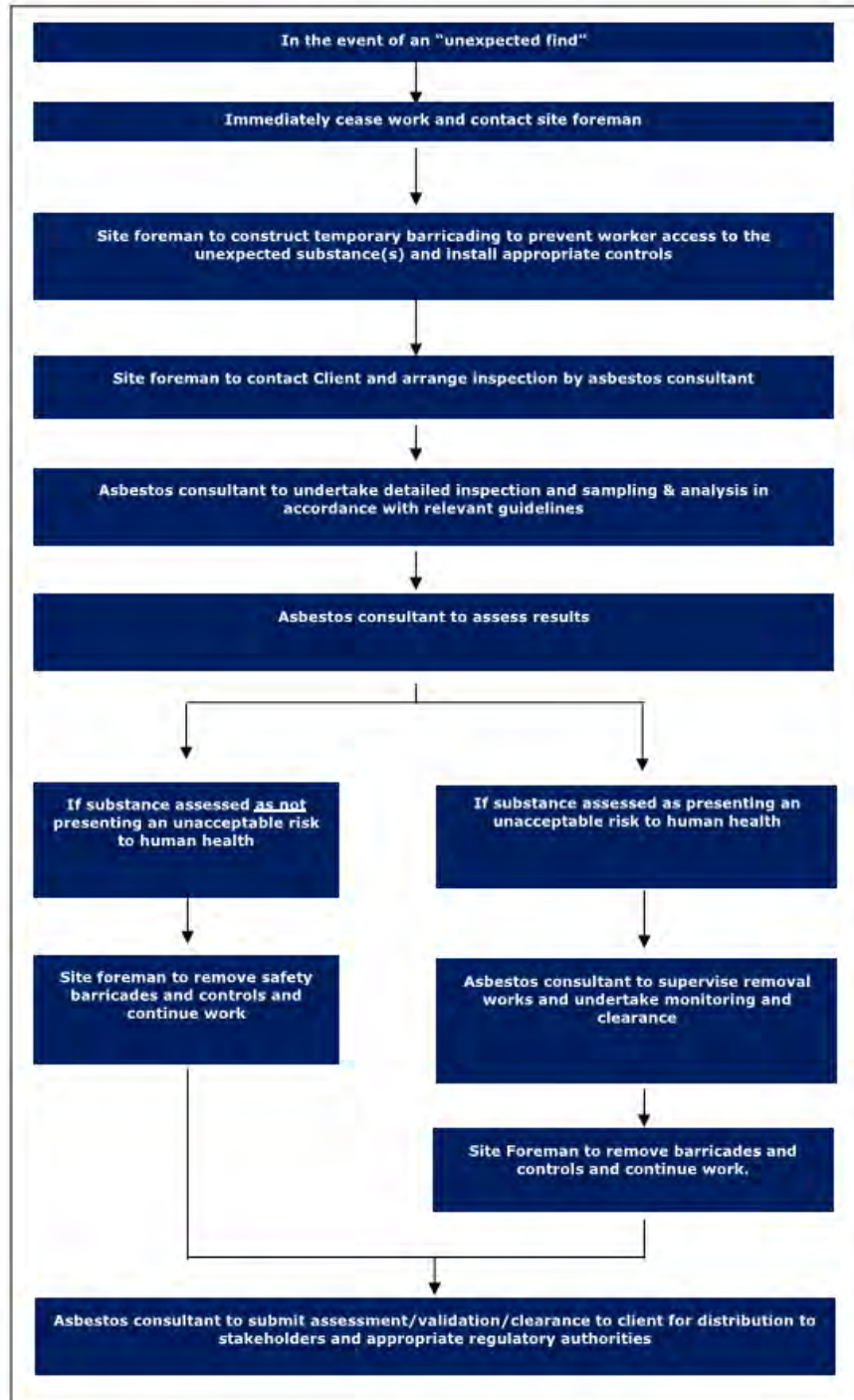


Flowchart 8.1: Unexpected Finds Protocol





Flowchart 9.1 – Unexpected Finds Protocol



BE AWARE
UNEXPECTED HAZARDS MAY BE
PRESENT



drums



asbestos



chemical bottles



odour

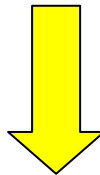


ash / slag

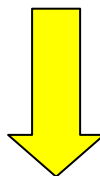


demolition waste

If you SEE or SMELL anything
unusual



STOP WORK & contact the Site
Manager / WHS Coordinator



do not restart working before the area
has been investigated and cleared by an
Environmental Consultant.

ATTACHMENT 9

Unexpected Finds Protocol Aboriginal & Non-Aboriginal Heritage Items

UNEXPECTED FINDS PROTOCOL FOR ABORIGINAL AND NON-ABORIGINAL HERITAGE ITEMS

PURPOSE

This management plan has been developed to provide a consistent method for managing unexpected finds of either Aboriginal or non-Aboriginal heritage discovered during work on a project site.

This procedure assumes that an appropriate level of Aboriginal and non-Aboriginal heritage assessment has been undertaken prior to work commencing.¹

Despite appropriate and adequate investigation, unexpected heritage items may still be discovered during construction works. When this happens, the following procedure must be followed.

REVISION HISTORY

Revision	Date	Author	Approval	Description
01	7/03/2023	SS	SB	Issue for CC

LEGISLATIVE REQUIREMENTS

Table 1 below identifies some of the relevant legislation / regulations for the protection of heritage and the management of unexpected heritage finds in NSW.

Table 1: Requirement and Objectives

Relevant Requirement	Objectives and offences
Environmental Planning and Assessment Act 1979 (EP&A Act)	Requires heritage to be considered within the environmental impact assessment of projects. This guideline is based on the premise that an appropriate level of Aboriginal and non-Aboriginal cultural heritage assessment and investigations and mitigation have already been undertaken under the relevant legislation, including the EP&A Act, during the assessment and determination process. It also assumes that appropriate mitigation measures have been included in the conditions of any approval
Heritage Act 1977	The Heritage Act provides for the care, protection and management of (Heritage Act) heritage items in NSW. Under section 139, it is an offence to disturb or excavate any land knowing or having reasonable cause to suspect that the disturbance or excavation will or is likely to result in a relic being discovered, exposed, moved, damaged or destroyed, unless the disturbance or excavation is carried out in accordance with an excavation permit issued by the Heritage Division of the . Under the Act, a relic is defined as: 'any deposit, artefact, object or material evidence that: (a) relates to the settlement of the area that comprises New South Wales, not being Aboriginal settlement, and (b) is of State or local heritage significance.' A person must notify the Heritage Division of DPE, if a person is aware or believes that they have discovered or located a relic (section 146). Penalties for offences under the Heritage Act can include six months imprisonment and/or a fine of up to \$1.1million.

¹ If previous studies have identified that finds are likely, an *application may be required under the Heritage Act 1977 or the National Parks and Wildlife Act 1974.*

<p>National Parks and Wildlife Act 1974 (NPW Act)</p>	<p>The NPW Act provides the basis for the care, protection and management of Aboriginal objects and places in NSW. An Aboriginal object is defined as: ‘any deposit, object or material evidence (not being a handicraft made for sale) relating to the Aboriginal habitation of the area that comprises New South Wales, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains’. An ‘Aboriginal place’ is an area declared by the Minister administering the Act to be of special significance with respect to Aboriginal culture. An Aboriginal place does not have to contain physical evidence of occupation (such as Aboriginal objects). Under section 87 of the Act, it is an offence to harm or desecrate an Aboriginal object or place. There are strict liability offences. An offence cannot be upheld where the harm or desecration was authorised by an AHIP and the permit’s conditions were not contravened. Defences and exemptions to the offence of harming an Aboriginal object or Aboriginal place are provided in section 87, 87A and 87B of the Act. A person must notify DPE if a person is aware of the location of an Aboriginal object. Penalties for some of the offences can include two years imprisonment and/or up to \$550,000 (for individuals), and a maximum penalty of \$1.1 million (for corporations)</p>
---	---

It should be noted that significant penalties exist for breaches of the listed legislation as a result of actions that relate to unauthorised impacts on heritage items. Further, it is noted that heritage that has been assessed and is being managed in accordance with relevant statutory approvals(s) can be exempt from these offences.

To avoid breaches of legislation, it is important that Kane and its contractors are aware of our statutory obligations under relevant legislation and that appropriate control measures are in place to ensure that unexpected heritage items are appropriately managed during construction.

AN UNEXPECTED FIND

An *unexpected find* in the context of heritage is usually categorized as one or more of the following:

- a) **Aboriginal objects**
- b) **Historic (non-Aboriginal) heritage items**
- c) **Human skeletal remains**

All of these are protected by law and destruction or disturbance of them could result in significant fines or even jail terms. The relevant legislation that applies to each of these categories is described below.

a) ABORIGINAL OBJECTS

The *National Park and Wildlife Act 1974* protects *Aboriginal objects*. These include stone tool artefacts, shell middens, axe grinding grooves, pigment or engraved rock art, burials and scarred trees.

If any impact is expected to an Aboriginal object, an Aboriginal Heritage Impact Permit (AHIP) is usually required from the Department of Planning and Environment (DPE). When a person becomes aware of an Aboriginal object they must notify the Secretary of the Department Planning Industry and Environment about its location. Assistance on how to do this is provided in Section 7.

b) HISTORIC HERITAGE ITEMS

Historic (non-Aboriginal) heritage items may include:

- Archaeological 'relics'

Other historic items (i.e. works, structures, buildings or movable objects).

c) ARCHAEOLOGICAL RELICS

The *Heritage Act 1977* protects relics which are archaeological items of local or state significance which may relate to past domestic, industrial or agricultural activities in NSW, and can include bottles, remnants of clothing, pottery, building materials and general refuse.

d) OTHER HISTORIC ITEMS

Some historic heritage items are not considered to be 'relics'; but are instead referred to as works, buildings, structures or movable objects. Examples of these items may be encountered include culverts, historic road formations, historic pavements, buried roads, retaining walls, tramlines, cisterns, fences, sheds, buildings and conduits. Although an approval under the *Heritage Act 1977* may not be required to disturb these items, their discovery must be managed in accordance with the procedure as per *Figure 1*.

As a general rule, an archaeological relic requires discovery or examination through the act of excavation. An archaeological excavation permit under Section 140 of the *Heritage Act 1977* is required to do this. In contrast, 'other historic items' either exist above the ground's surface (e.g. a shed), or they are designed to operate and exist beneath the ground's surface (e.g. a culvert).

Despite this difference, it should be remembered that relics can often be associated with 'other heritage items', such as archaeological deposits within cisterns and underfloor deposits under buildings.

e) HUMAN SKELETAL REMAINS

Human skeletal remains can be identified as either an Aboriginal object or non-Aboriginal relic depending on ancestry of the individual (Aboriginal or non-Aboriginal) and burial context (archaeological or non-archaeological). Remains are considered to be archaeological when the time elapsed since death is suspected of being 100 years or more. Depending on ancestry and context, different legislation applies.

As a simple example, a pre-European settlement archaeological Aboriginal burial would be protected under the NPW Act, while a historic (non-Aboriginal) archaeological burial within a cemetery would be protected under the Heritage Act. In addition to the NPW Act, finding Aboriginal human remains also triggers notification requirements to the Commonwealth Minister for the Environment under section 20(1) of the *Aboriginal and Torres Strait Islander Heritage Protection Act 1984* (Commonwealth).

However, where it is suspected that less than 100 years has elapsed since death, the human skeletal remains come under the jurisdiction of the State Coroner and the *Coroners Act 2009* (NSW). Such a case would be considered a 'reportable death' and under legal notification obligations set out in section 35(2); a person must report the death to a police officer, a coroner or an assistant coroner as soon as possible. This applies to all human remains less than 100 years old² regardless of ancestry (i.e. both Aboriginal and non-Aboriginal remains). Public health controls may also apply.

SEEKING ADVICE

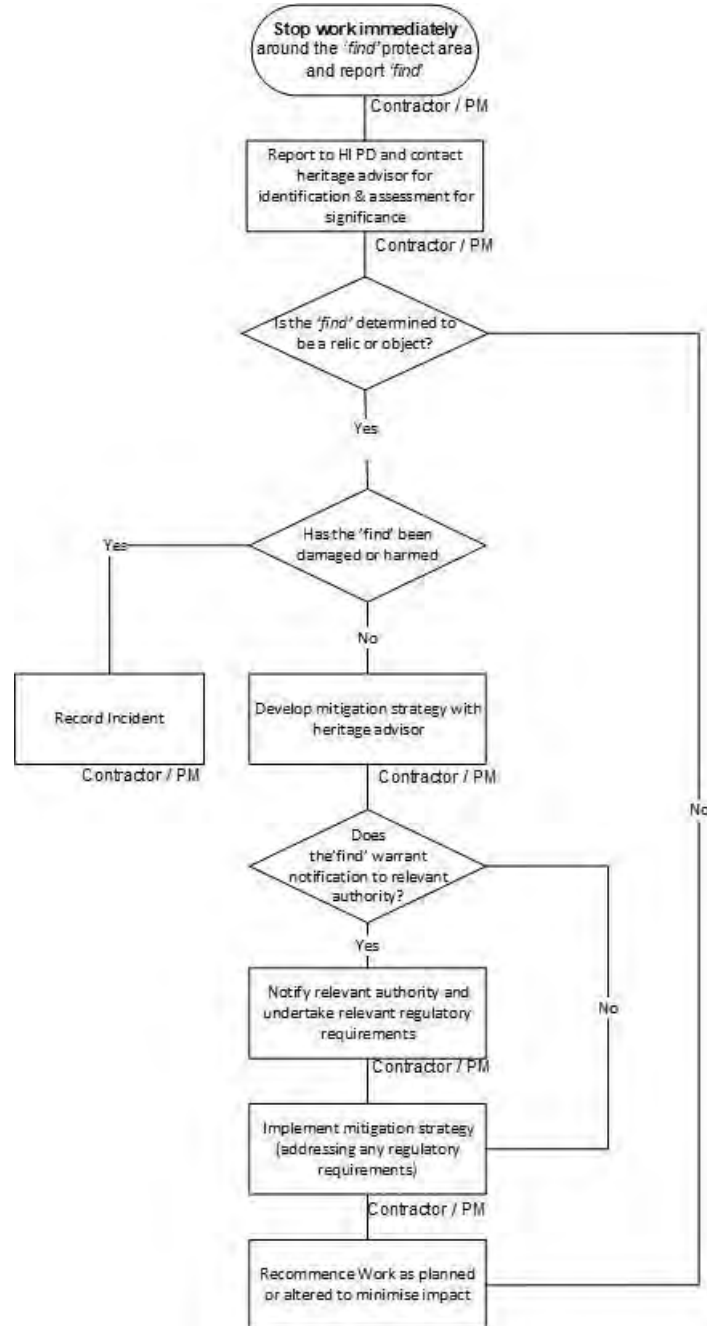
Technical archaeological or heritage advice regarding an unexpected heritage item should be sought from HI and the contracted archaeologist. Technical specialist advice can also be sought from heritage policy staff within Environment Branch to assist with the preliminary archaeological identification and technical reviews of heritage/archaeological reports.

² Under section 19 of the *Coroners Act 2009*, the coroner has no jurisdiction to conduct an inquest into reportable death unless it appears to the coroner that (or that there is reasonable cause to suspect that) the death or suspected death occurred within the last 100 years.

UNEXPECTED HERITAGE ITEMS PROCEDURE

In the event that an unexpected find is encountered, refer to flow chart below for procedure.

Figure 1: Procedure flow chart with an unexpected finding



APPENDIX A

UNCOVERING BONES

All matters relating to uncovering bones/human remains require notification to HI Development Team staff. They will guide Project Managers through occurrences of uncovering bones.

This appendix A provides Project Managers with advice (1) on what to do on first uncovering bones (2) the range of human skeletal notification pathways and (3) additional considerations and requirements when managing the discovery of human remains.

1. FIRST UNCOVERING BONES

Stop all work in the vicinity of the find. All bones uncovered during project works should be **treated with care and urgency** as they have the potential to be human remains. Therefore they must be identified as either human or non-human as soon as possible by a qualified forensic or physical anthropologist. These specialist consultants can be sought by contacting regional environment staff and/or heritage staff at Environment Branch.

On the very rare occasion where it is instantly obvious from the remains that they are human, the Project Manager (or a delegate) **should inform the police by telephone** prior to seeking specialist advice. It will be obvious that it is human skeletal remains where there is no doubt, as demonstrated by the example in Figure 2. Often skeletal elements in isolation (such as a skull) can also clearly be identified as human. Note it may also be obvious that human remains have been uncovered when soft tissue and clothing are present.



Figure 2: Schematic of a complete skeleton that is 'obviously' human¹².



Figure 3: Disarticulated bones that require assessment to determine species.

¹² After Department of Environment and Conservation NSW (2006), *Manual for the identification of Aboriginal*

Remains:

Where it is not 'obvious' that the bones are human (in the majority of cases, illustrated by Figure 3), specialist assessment is required to establish the species of the bones. Photographs of the bones can assist this assessment if they are clear and taken in accordance with guidance provided in photo above. Good photographs often result in the bones being identified by a specialist without requiring a site visit; noting they are nearly always non-human. In these cases, non-human skeletal remains must be treated like any other unexpected archaeological find.

If the bones are identified as human (either by photographs or an on-site inspection) a technical specialist must determine the likely ancestry (Aboriginal or non-Aboriginal) and burial context (archaeological or forensic). This assessment is required to identify the legal regulator of the human remains so urgent notification (as below) can occur. Preliminary telephone or verbal notification by the Project Manager to the HI Representative, and/or HI's planning team is essential.

2. RANGE OF HUMAN SKELETAL NOTIFICATION PATHWAYS

The following is a summary of the different notification pathways required for human skeletal remains depending on the preliminary skeletal assessment of ancestry and burial context.

A) HUMAN BONES ARE FROM A RECENTLY DECEASED PERSON (LESS THAN 100 YEARS OLD).

☒ Action

A police officer must be notified immediately as per the obligations to report a death or suspected death under s35 of the Coroners Act 2009 (NSW). It should be assumed the police will then take command of the site until otherwise directed.

B) HUMAN BONES ARE ARCHAEOLOGICAL IN NATURE (MORE THAN 100 YEARS OLD) AND ARE LIKELY TO BE ABORIGINAL REMAINS.

☒ Action

The DPE and the HI's Planning Team must be notified immediately. The Planning Team, must then contact and inform the relevant Aboriginal community stakeholders who may request to be present on site..

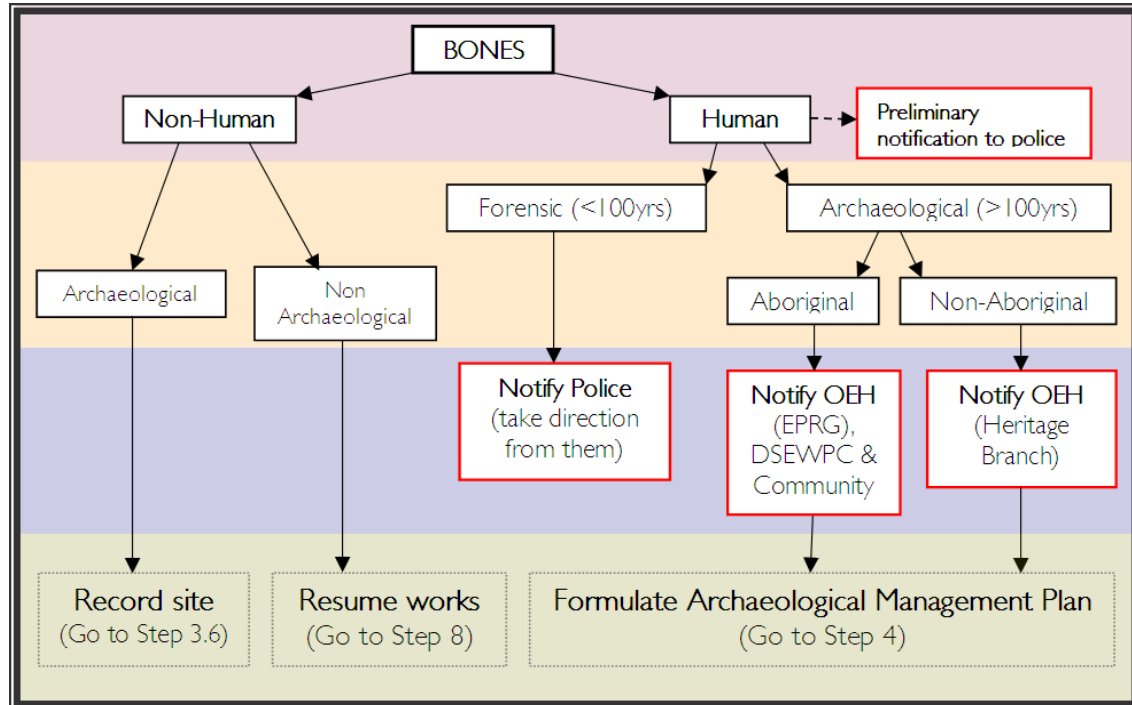
C) HUMAN BONES ARE ARCHAEOLOGICAL IN NATURE (MORE THAN 100 YEARS OLD) AND LIKELY TO BE NON-ABORIGINAL REMAINS.

☒ Action

The DPE (Heritage Branch, Conservation Team) must be notified immediately.

The simple diagram below summarises the notification pathways on finding bones.

Figure 2: Notification pathways on bones finding



After the appropriate verbal notifications (as described in B and C), the Kane Project Manager must proceed through the Unexpected Heritage Items Procedure to formulate an archaeological management plan (Step 4). Note no archaeological management plan is required for forensic cases (A), as all future management is a police matter.

Non-human skeletal remains must be treated like any other unexpected archaeological find and so must proceed to recording the find as per Step 3.6.

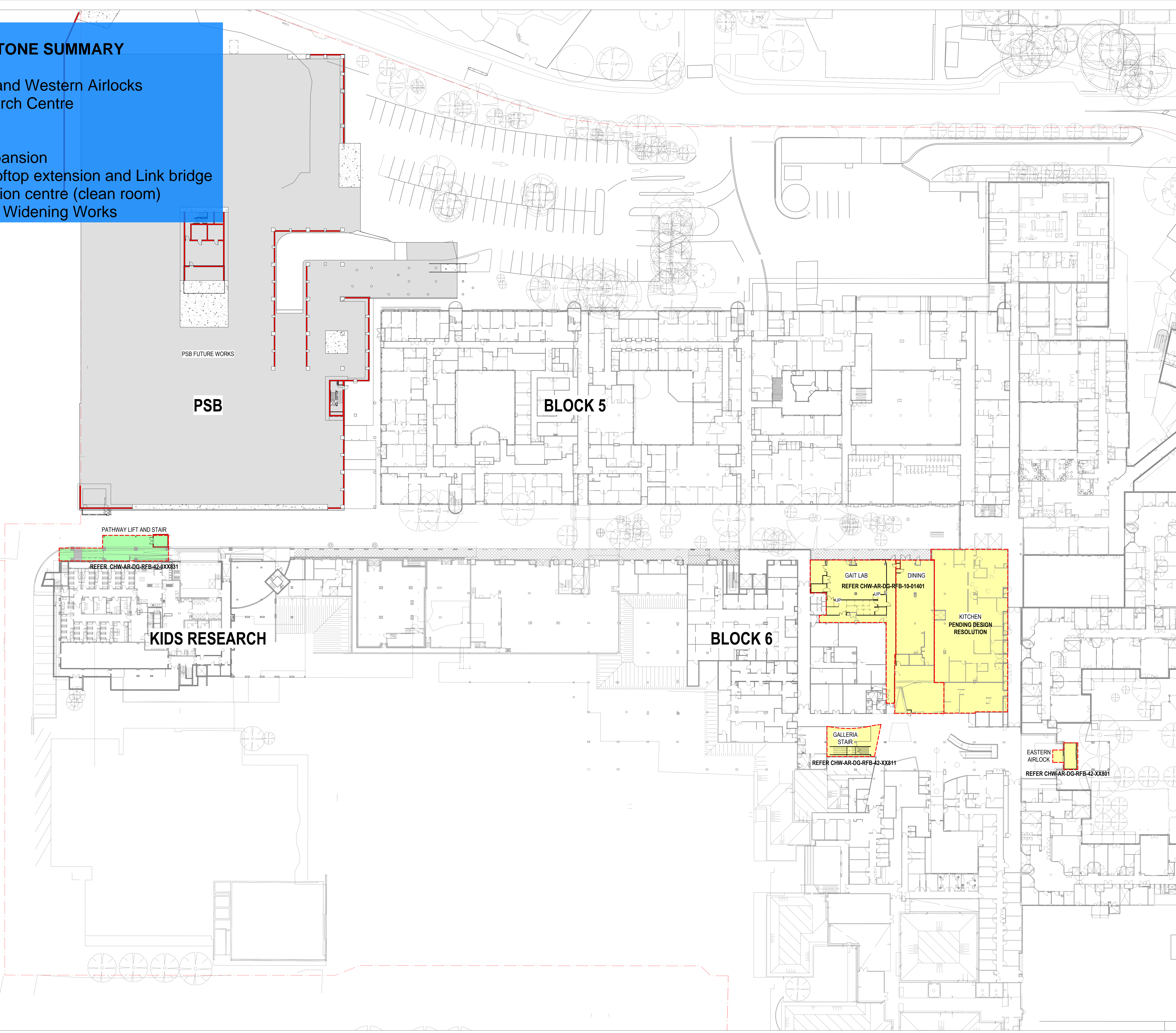
¹³ This requirement is in addition to heritage approvals under the *Heritage Act*

ATTACHMENT 10

Demolition Work Plans

PROJECT MILESTONE SUMMARY

- 01 - Galleria East and Western Airlocks
- 02 - Clinical Research Centre
- 03 - Gait Lab
- 04 - Blood bank
- 05 - Pathology Expansion
- 06 - VVMF KR Rooftop extension and Link bridge
- 07 - VVMF Innovation centre (clean room)
- 08 - CHW Corridor Widening Works



NOTES

INTERFACE AREAS IMPACTED BY REFURB WORKS, INCLUDE GALLERIA ON L1 & L2, STAFF DINING, PATHWAY WORKS, FORECOURT AND IMPACTS ON EXISTING FIRE EGRESS PATHWAYS TO BE MAINTAINED BY THE BUILDER.

NOTE 1
FUTURE SHARED STAFF HUB TO BE PRICED BY TENDERERS AS A PRINCIPAL'S PRICING OPTION - REFER TO PRICING OPTIONS IN RFT DOCUMENTATION.

LEGEND

- REFURB SCOPE (2022)
- FUTURE SCOPE (2024)
- WORKS BY PSB CONTRACTOR
- FORECOURT SCOPE

F	ISSUED FOR TENDER	25/03/22
E	ISSUED FOR TENDER	18/02/22
D	ISSUED FOR TENDER - DRAFT	17/12/21
C	FOR COORDINATION	10/12/21
B	FOR INFORMATION	24/11/21
A	FOR INFORMATION	28/10/21
REV	REVISION DESCRIPTION	DATE
MECHANICAL / ELECTRICAL		Stantec
Level 6, Bldg B, 207 Pacific Hwy St Leonards, NSW 2065 T +61 8484 7000 https://www.stantec.com		
ARUP		
CIVIL / STRUCTURE / HYDRAULIC / FIRE		ARUP Level 5, 151 Clarence Street Sydney, NSW 2000 T +61 2 9320 9320 sydney@arup.com www.arup.com
PROJECT MANAGER		PricewaterhouseCoopers
pwc		One International Towers Sydney Watermans Quay, Barangaroo NSW 2000 T +61 2 6266 1000 www.pwc.com.au
ARCHITECT		Billard Leese Partnership Pty Ltd Architects & Urban Planners Level 6, 72-80 Cooper St Sunny Hills NSW 2010 T +61 2 8096 4066 info@blp.com.au www.blp.com.au
CLIENT		Health Infrastructure, NSW
NSW Health Infrastructure		Level 6, 1 Reserve Road St Leonards, NSW 2065 T +61 2 9518 5402 www.hinfra.health.nsw.gov.au

PROJECT:
The Childrens Hospital at Westmead
Redevelopment - Stage 2

Sheet Name
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23/03/22

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FOR TENDER

NOTES

INTERFACE AREAS IMPACTED BY REFURB WORKS, INCLUDE GALLERIA ON L1 & L2, STAFF DINING, PATHWAY WORKS, FORECOURT AND IMPACTS ON EXISTING FIRE EGRESS PATHWAYS TO BE MAINTAINED BY THE BUILDER.

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	FUTURE SCOPE (2024)
	WORKS BY PSB CONTRACTOR
	FORECOURT SCOPE

G	ISSUED FOR TENDER	18/04/22
F	ISSUED FOR TENDER	25/03/22
E	ISSUED FOR TENDER - DRAFT	18/02/22
D	ISSUED FOR TENDER - DRAFT	17/12/21
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MECHANICAL / ELECTRICAL		Stantec

Level 6, Bldg B, 207 Pacific Hwy
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<https://www.stantec.com>

CIVIL / STRUCTURE /
HYDRAULIC / FIRE

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Bangarang NSW 2000
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Billard Leese Partnership Pty Ltd
Architects & Urban Planners
Level 6, 72-80 Cooper St
Sunny Hills NSW 2010
T +61 2 8096 4066
info@blp.com.au
www.blp.com.au

CLIENT
Health Infrastructure, NSW
Level 6, 1 Reserve Road
St Leonards, NSW 2065
T +61 2 9578 5402
www.hinfra.health.nsw.gov.au

PROJECT:
The Childrens Hospital at Westmead
Redevelopment - Stage 2

Sheet Name
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WC
Revision Date
08/04/22
Checked By
ALJAG
Revision
G

Scale
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Project No 19038
Drawing No CHW-AR-DG-RFB-04-02001

Revision By
WC
Revision Date
08/04/22
Checked By
ALJAG
Revision
G

Scale
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Project No 19038
Drawing No CHW-AR-DG-RFB-04-02001

Revision By
WC
Revision Date
08/04/22
Checked By
ALJAG
Revision
G

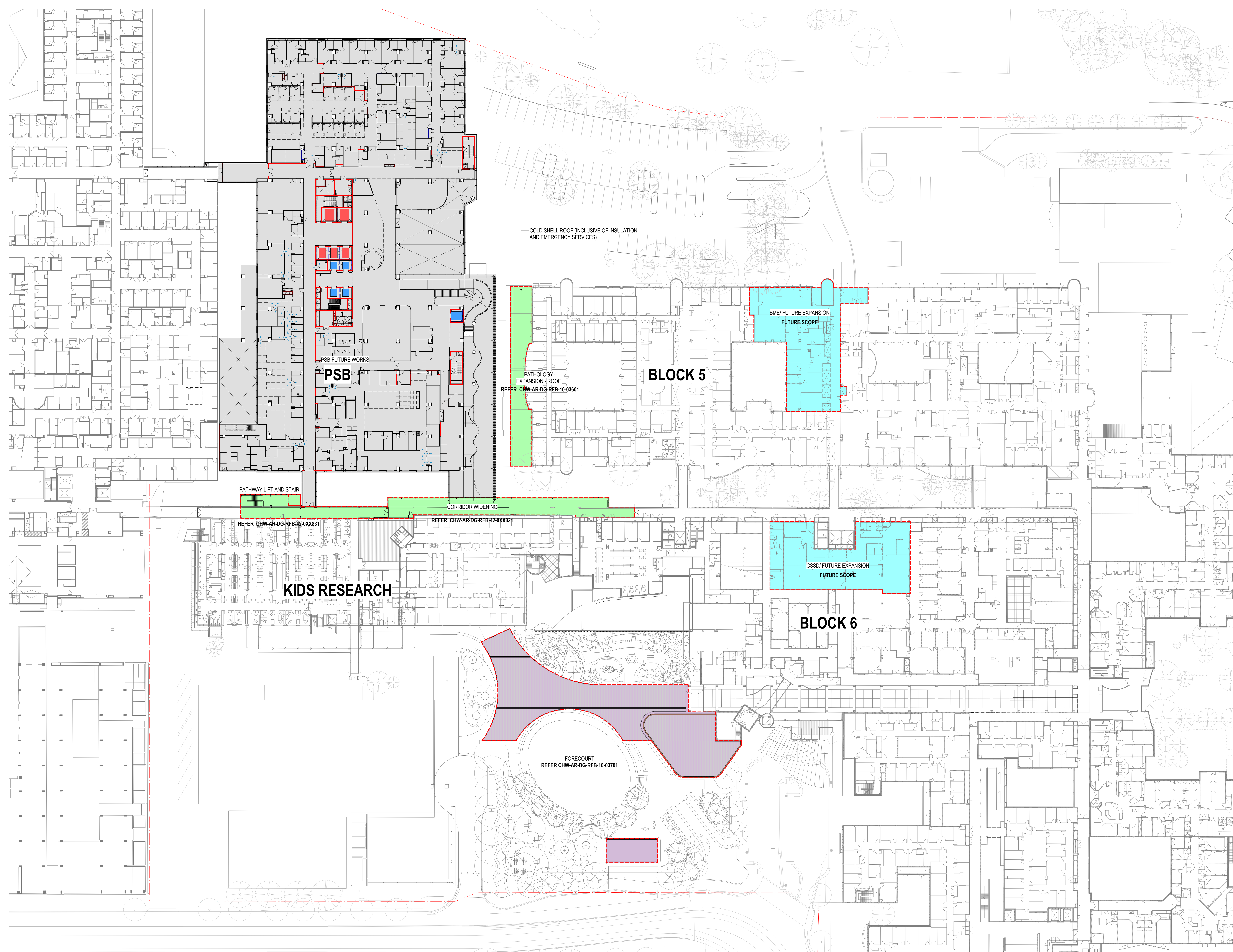
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Project No 19038
Drawing No CHW-AR-DG-RFB-04-02001

Revision By
WC
Revision Date
08/04/22
Checked By
ALJAG
Revision
G

Scale
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Project No 19038
Drawing No CHW-AR-DG-RFB-04-02001



NOTES

INTERFACE AREAS IMPACTED BY REFURB WORKS, INCLUDE GALLERIA ON L1 & L2, STAFF DINING, PATHWAY WORKS, FORECOURT AND IMPACTS ON EXISTING FIRE EGRESS PATHWAYS TO BE MAINTAINED BY THE BUILDER.

NOTE 1
FUTURE SHARED STAFF HUB TO BE PRICED BY TENDERERS AS A PRINCIPAL'S PRICING OPTION. REFER TO PRICING OPTIONS IN RFT DOCUMENTATION.

LEGEND

- REFURB SCOPE (2022)
- FUTURE SCOPE (2024)
- WORKS BY PSB CONTRACTOR
- FORECOURT SCOPE

H	ISSUED FOR TENDER	06/04/22
G	ISSUED FOR TENDER	25/03/22
F	ISSUED FOR TENDER	19/03/22
E	ISSUED FOR TENDER - DRAFT	24/01/22
D	ISSUED FOR TENDER - DRAFT	17/12/21
C	FOR COORDINATION	10/12/21
B	FOR INFORMATION	24/11/21
A	FOR INFORMATION	08/11/21
REV	REVISION DESCRIPTION	DATE
MECHANICAL / ELECTRICAL	Stantec	

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CLIENT
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PROJECT:
The Children's Hospital at Westmead
Redevelopment - Stage 2

Sheet Name
PLAN - GENERAL ARRANGEMENT - LEVEL 03 -
OVERALL

Project No
19038

Drawing No
CHW-AR-DG-RFB-04-03001

Scale
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1:50

Drawn By
FN

Checked By
ALJAG





Revision No
08/04/22


Revision
H

FOR TENDER

INTERFACE AREAS IMPACTED BY REFURB WORKS, INCLUDE GALLERIA ON L1 & L2, STAFF DINING, PATHWAY WORKS, FORECOURT AND IMPACTS ON EXISTING FIRE EGRESS PATHWAYS TO BE MAINTAINED BY THE BUILDER.

LEGEND

	REFURB SCOPE (2022)
	FUTURE SCOPE (2024)
	WORKS BY PSB CONTRACT
	FORECOURT SCOPE

 **Stantec**

ARUP

pwc

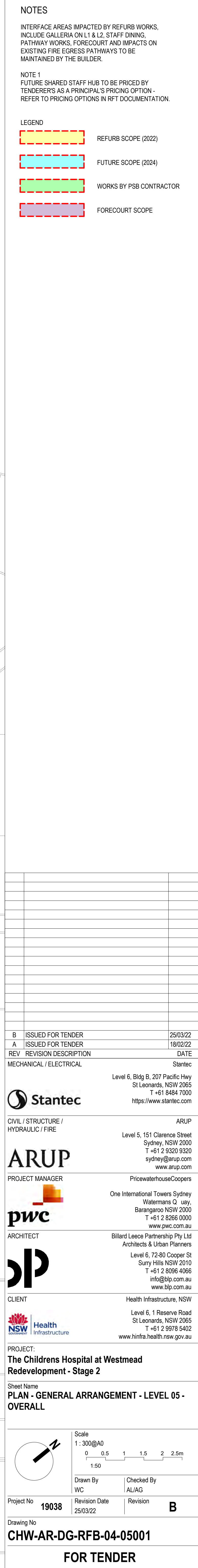
CLIENT	Health Infrastructure, NSW
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PROJECT:
**The Childrens Hospital at Westmead
Redevelopment - Stage 2**

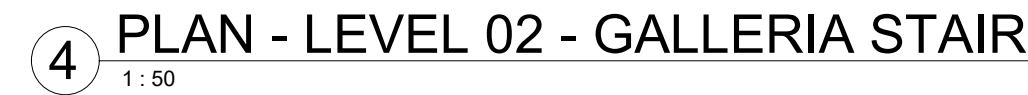
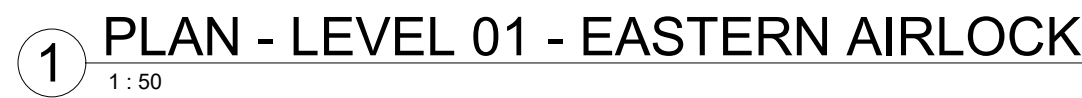
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Project No	19038	Revision Date	25/03/22	Revision	D
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FOR TENDER



DEMOLITION PLAN

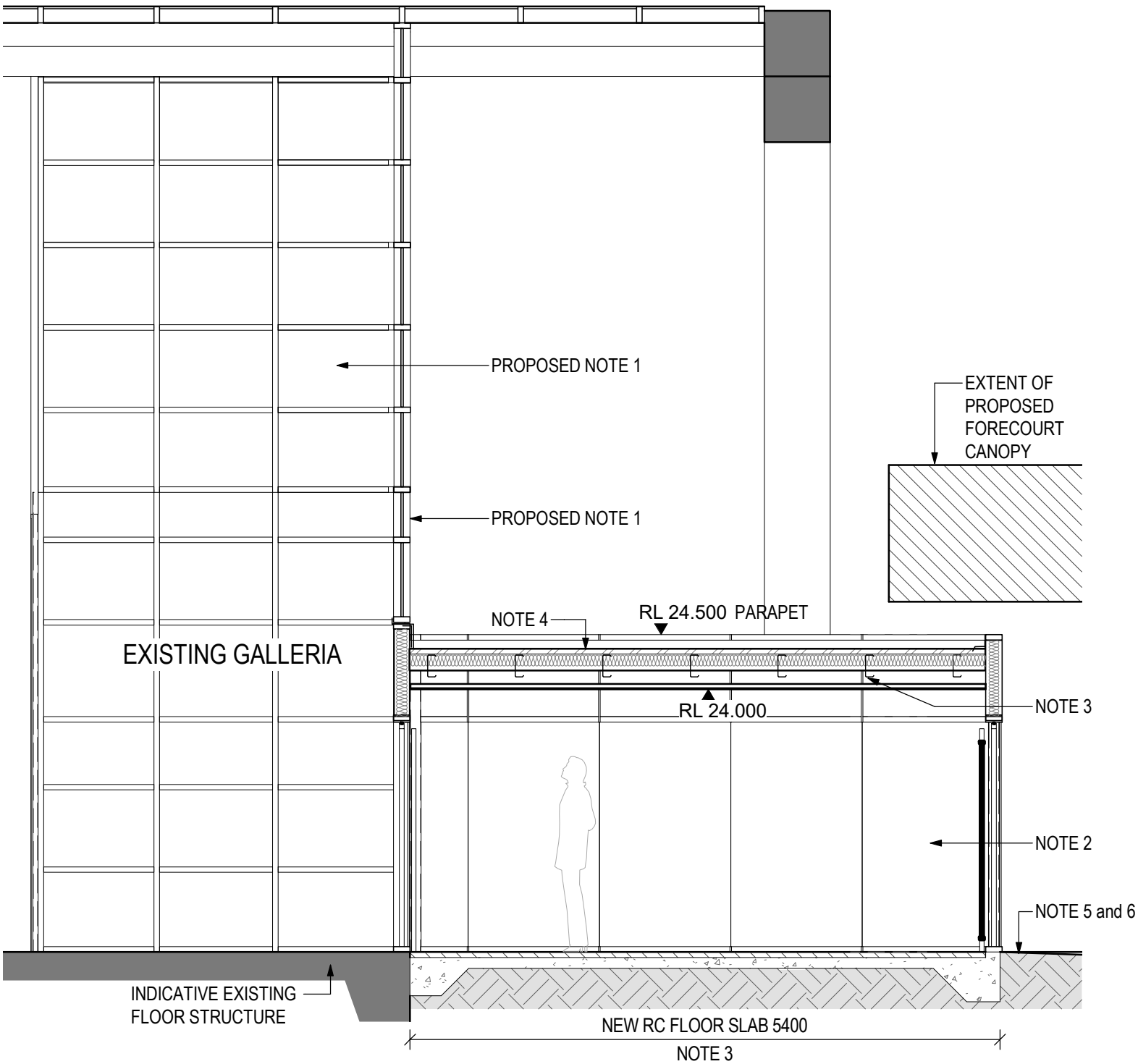


1. ALL HANDRAILS AND BALUSTRADES CONSTRUCTED TO BE CONTINUOUS TO STAIR FLIGHTS AND LANDINGS. BALUSTRADES AND HANDRAILS ARE SHOWN INDICATIVE. BALUSTRADE POST SPACINGS TO BE EQUALLY SPACED.
2. PROVIDE REQUIRED STAIR NOSINGS - AMST-101
3. PAINTED STEEL FRAMED STAIR STRINGER AND LANDING TO STRUCTURAL ENGINEER'S DESIGN AND DRAWINGS.
4. PAINTED FOLDED STEEL PLATE TREADS AND RISERS WITH VINYL - FLV-504. FLOOR JOINTS AND FINISH INSTALL AS PER SUPPLIER INSTRUCTION. PROVIDE PLASTERBOARD LINING TO UNDERSIDE OF STAIR BETWEEN STRINGERS. SERVICES TO BE CONCEALED WITHIN SOFFIT.
5. PROVIDE 900M HANDRAIL (BSSB-106) AS BARRIER TO UNDERSIDE OF STAIR (BELOW 2000 HEAD CLEARANCE)

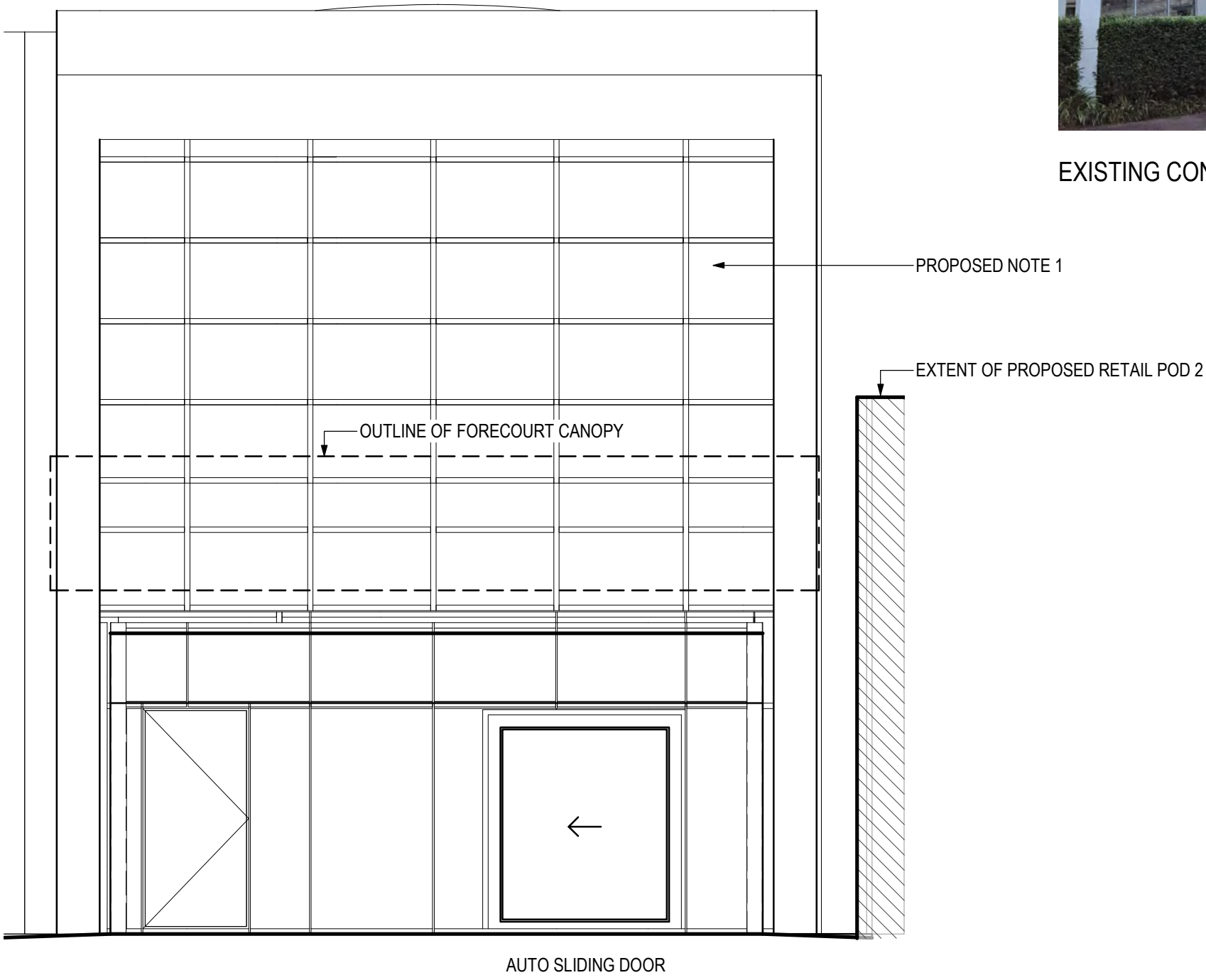
FOR TENDER

MILESTONE 01 - GALLERIA UPGRADES

DEMOLITION PLAN



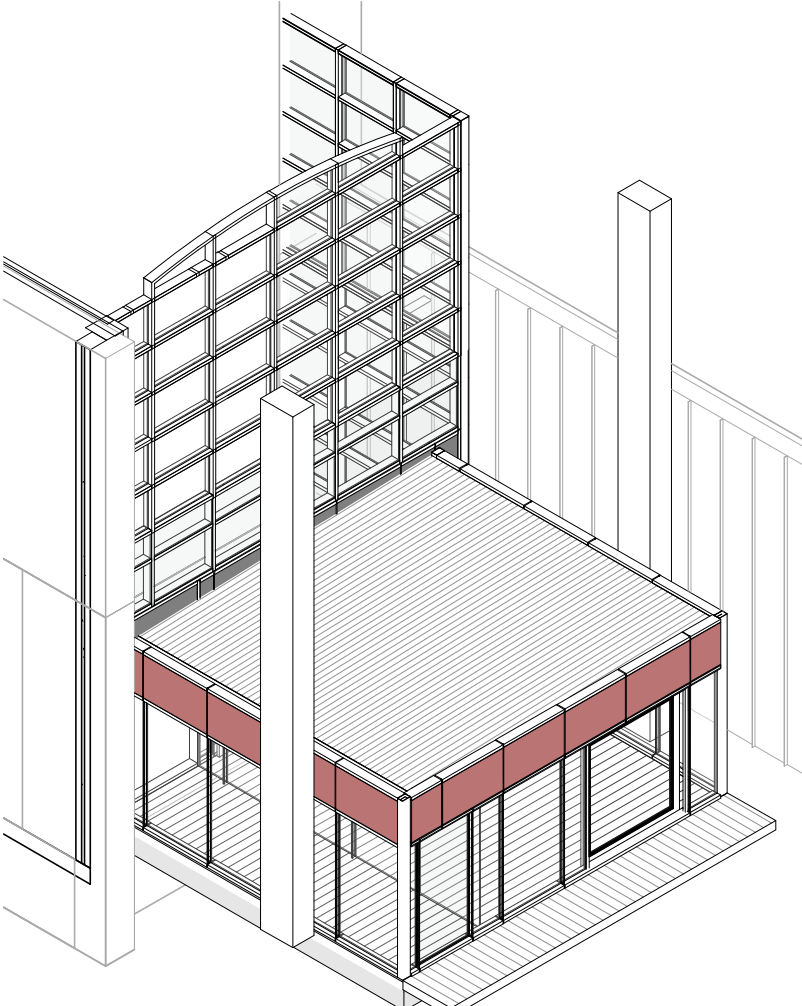
5 SECTION - GALLERIA AIR-LOCK
1:50



6 ELEVATION - PROPOSED GALLERIA AIR-LOCK
1:50



EXISTING CONDITION VIEWS



FORECOURT AND GALLERIA CANOPY NOT SHOWN FOR CLARITY

9 AXO VIEW of Galleria AIRLOCK

LEGEND:

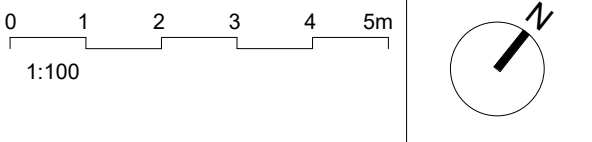
- NEW
- EXISTING
- DEMOLITION
- INDICATIVE LINE OF PROPOSED WORKS
- + RL EXISTING LEVELS
- RL PROPOSED LEVELS
- SC STRUCTURAL COLUMN
- DP DOWNPIPE FOR ROOF DRAINAGE
- SJ BLACK SILICON JOINT
- RWO RAINWATER OUTLET

DEMOLITION NOTES:

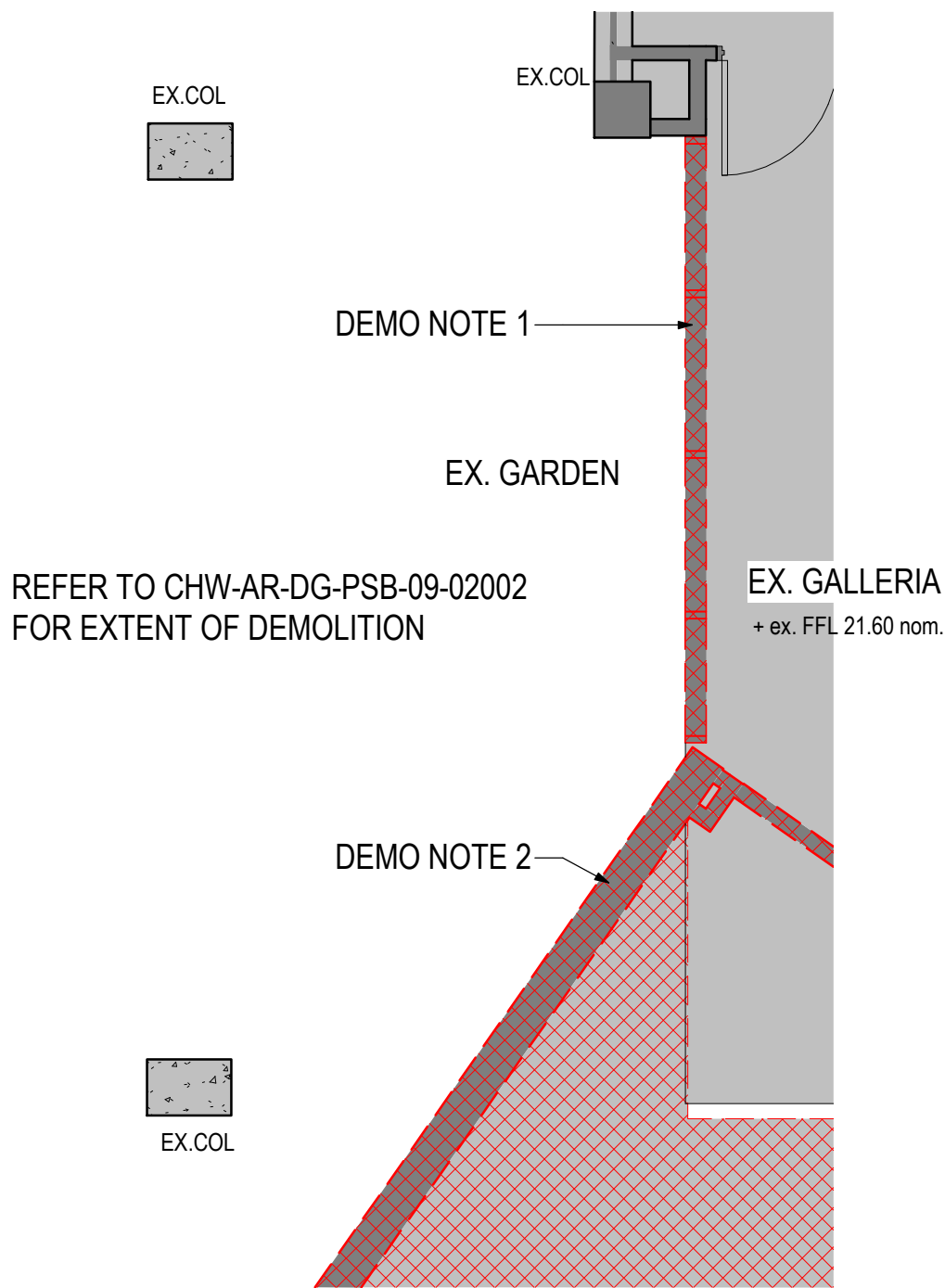
- REMOVE EXISTING GLAZED FACADE AND SUPPORTING STRUCTURE. MAKE GOOD SURFACES FOR NEW WORKS.
- DEMOLISH OF EXISTING WALL AND MAKE GOOD SURFACES FOR NEW WORKS BY FORECOURT CONTRACTOR.
- REFER TO CHW-AR-DG-PSB-09-02002 FOR EXTENT OF ADJACENT DEMOLITION WORKS.

GENERAL NOTES:

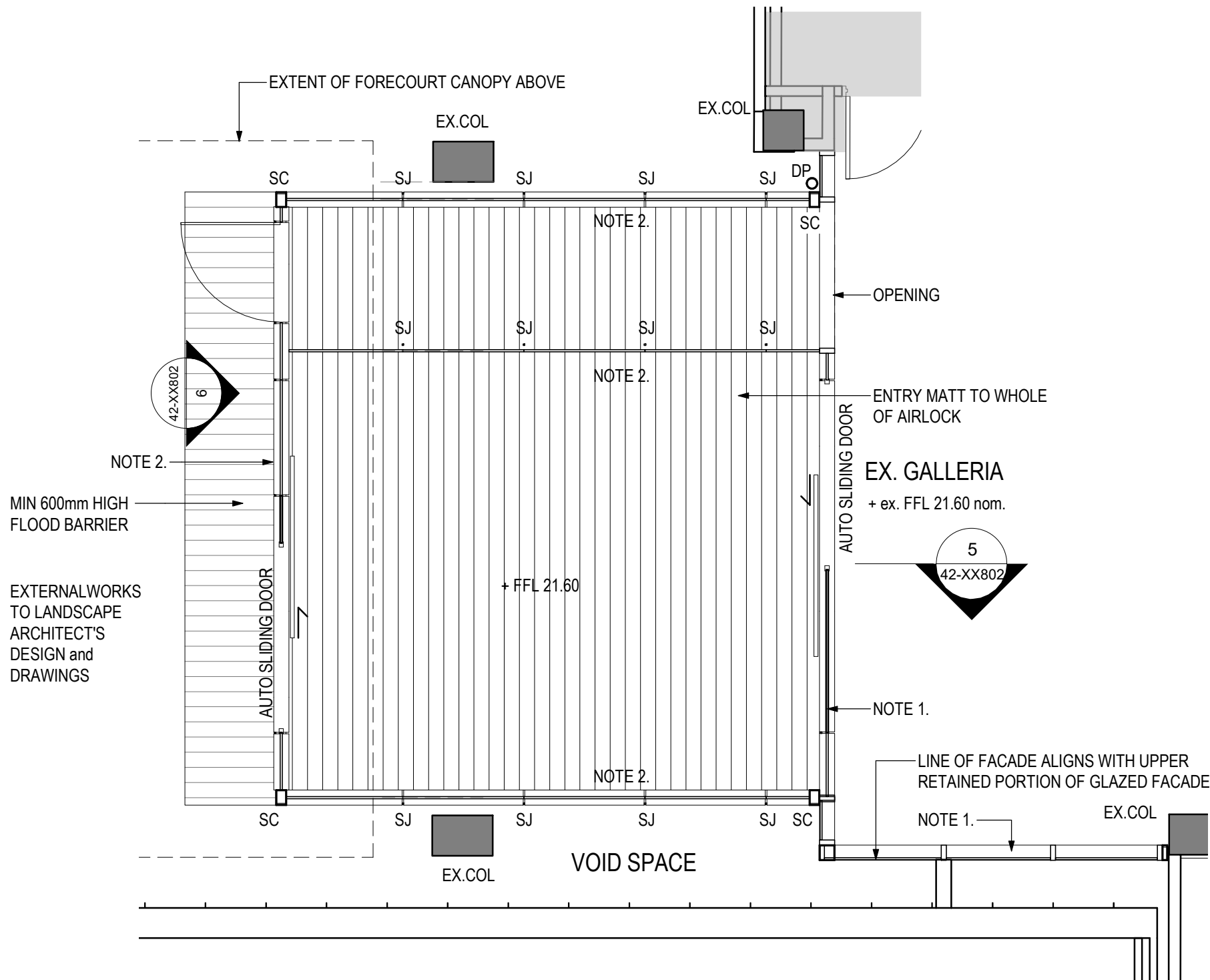
- PROPOSED ALUMINIUM FRAMED GLAZED CURTAIN WALL / SHOPFRONT SYSTEM TO SUIT EXISTING GLAZED FACADE BY REFURB CONTRACTOR. TRANSOM LOCATIONS TO ALIGN WITH EXISTING SYSTEM. INTERNAL WALL JOINTS. MULLION LOCATIONS TO ALIGN WITH ATRIUM SKYLIGHT FRAMING - CONFIRM ON SITE.
- PROPOSED FRAMELESS GLASS EXTERNAL AIR-LOCK WALLS BY REFURB CONTRACTOR. PROVIDE MULLIONS AND TRANSOMS AS SHOWN ON THE ELEVATIONS / SECTIONS. REFER TO THE STRUCTURAL ENGINEER'S DESIGN AND DRAWINGS FOR THE STRUCTURAL SLAB AND ROOF FRAME.
- COLORBOND STEEL ROOF LAID TO FALL, FIXED TO STEEL ROOF FRAME BY REFURB CONTRACTOR.
- REFER TO THE LANDSCAPE ARCHITECT'S DESIGN AND DRAWINGS FOR THE EXTERNAL WORKS INTERFACE.
- REFER TO THE CIVIL ENGINEER'S DESIGN AND DRAWINGS FOR THE EXTERNAL WORKS INTERFACE.



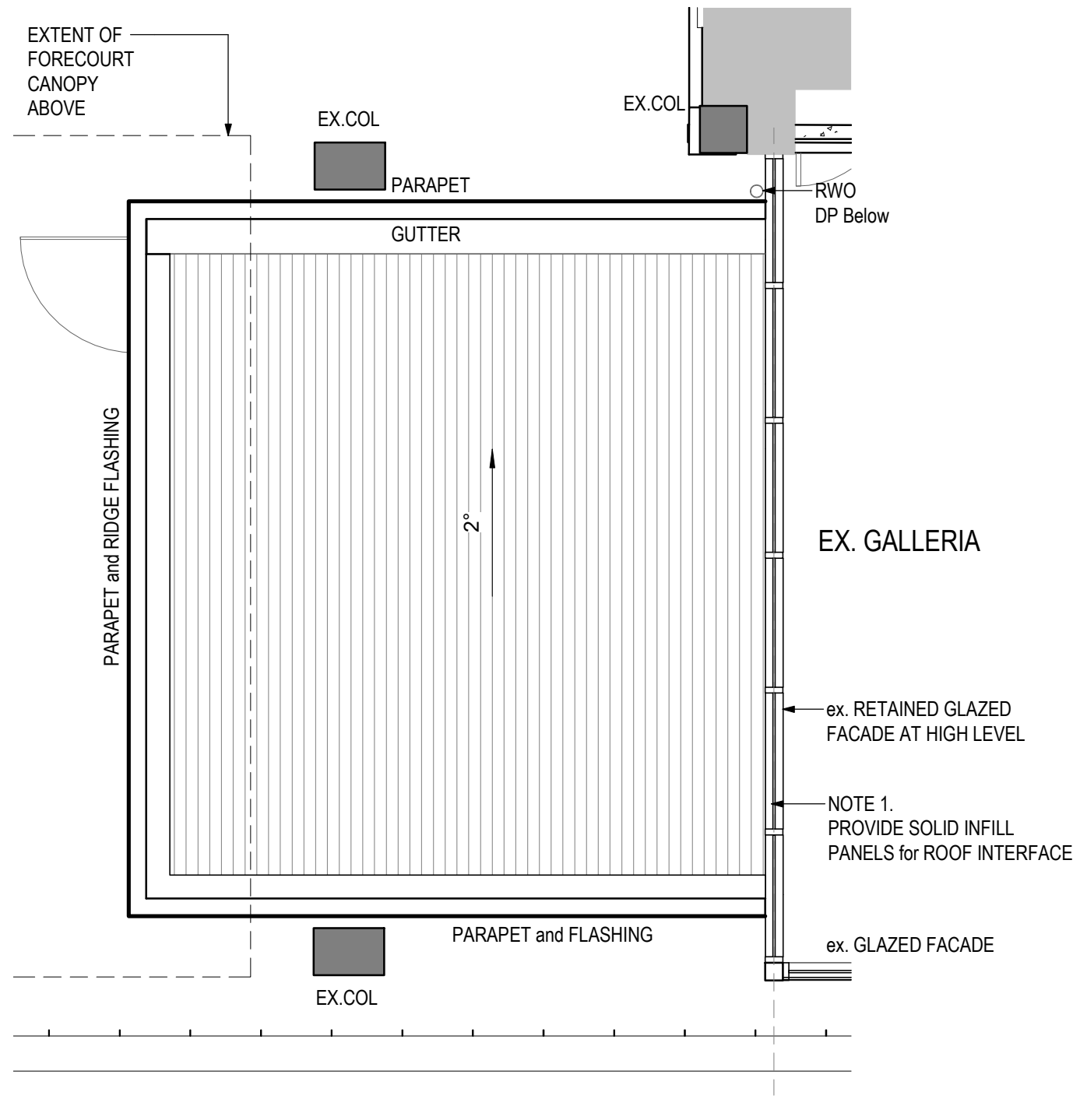
KEY PLAN



1 PLAN - DEMOLITION LEVEL 2 GALLERIA AIR-LOCK
1:50



2 PLAN - LEVEL 2 GALLERIA AIR-LOCK PROPOSED
1:50



3 PLAN - GALLERIA AIR-LOCK ROOF PROPOSED
1:50

REV	DESCRIPTION	DATE
A	ISSUED FOR TENDER	25/03/22
REV	DESCRIPTION	DATE
MECHANICAL / ELECTRICAL		Stantec

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Architects & Urban Planners

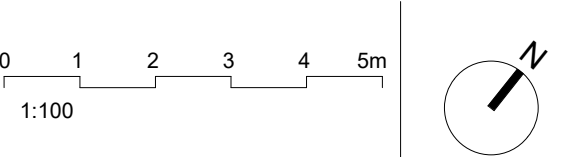
Health Infrastructure NSW

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PROJECT
The Children's Hospital at Westmead
Stage 2 Redevelopment

Scale As indicated@A1	Date 25/03/22
Drawn By JP	Checked By AG
Project No 19038	Revision A
Drawing No CHW-AR-DG-RFB-42-XX802	
FOR TENDER	

DEMOLITION PLAN



KEY:

----- WALLS/DOORS
TO BE DEMOLISHED

EXISTING
TO BE RETAINED

PRESUMED EXISTING
FIRE RATED WALL
BASED ON ENGINEER'S
DESKTOP STUDY
29/11/21 & 01/12/21 -
CONTRACTORS TO
VERIFY ON SITE

NOTE:
COMPLIANCE IS REQUIRED FOR ALL FIRE WALLS
BOTH NEW AND EXISTING. EXISTING
CONSTRUCTION AND SERVICE PENETRATIONS
WILL BE REQUIRED TO BE INSPECTED TO
DETERMINE COMPLIANCE. WHERE EXISTING
WALLS ARE DEFICIENT, WALLS WILL BE REQUIRED
TO BE UPGRADED TO ENSURE ADEQUATE FIRE
(SMOKE) SEPARATION.

OUT OF SCOPE

OUT OF SCOPE
FUTURE TURNER WARD

AIRLOCK REFER
CHW-AR-DG-RFB-42-XX802

REFER
CHW-AR-DG-RFB-09-02701


E	ISSUED FOR TENDER	25/03/22
D	ISSUED FOR TENDER	18/02/22
C	ISSUED FOR TENDER - DRAFT	17/12/21
B	FOR INFORMATION	24/11/21
A	FOR INFORMATION	28/10/21
REV/	DESCRIPTION	DATE
	MECHANICAL / ELECTRICAL	Stanley

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ARCHITECT	Billard Leece Partnership Pty Ltd Architects & Urban Planners
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CLIENT	Health Infrastructure, NSW
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PROJECT
The Childrens Hospital at Westmead
Redevelopment - Stage 2

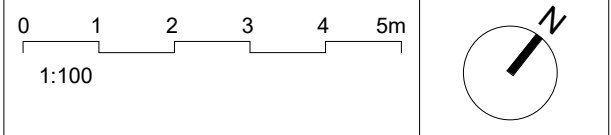
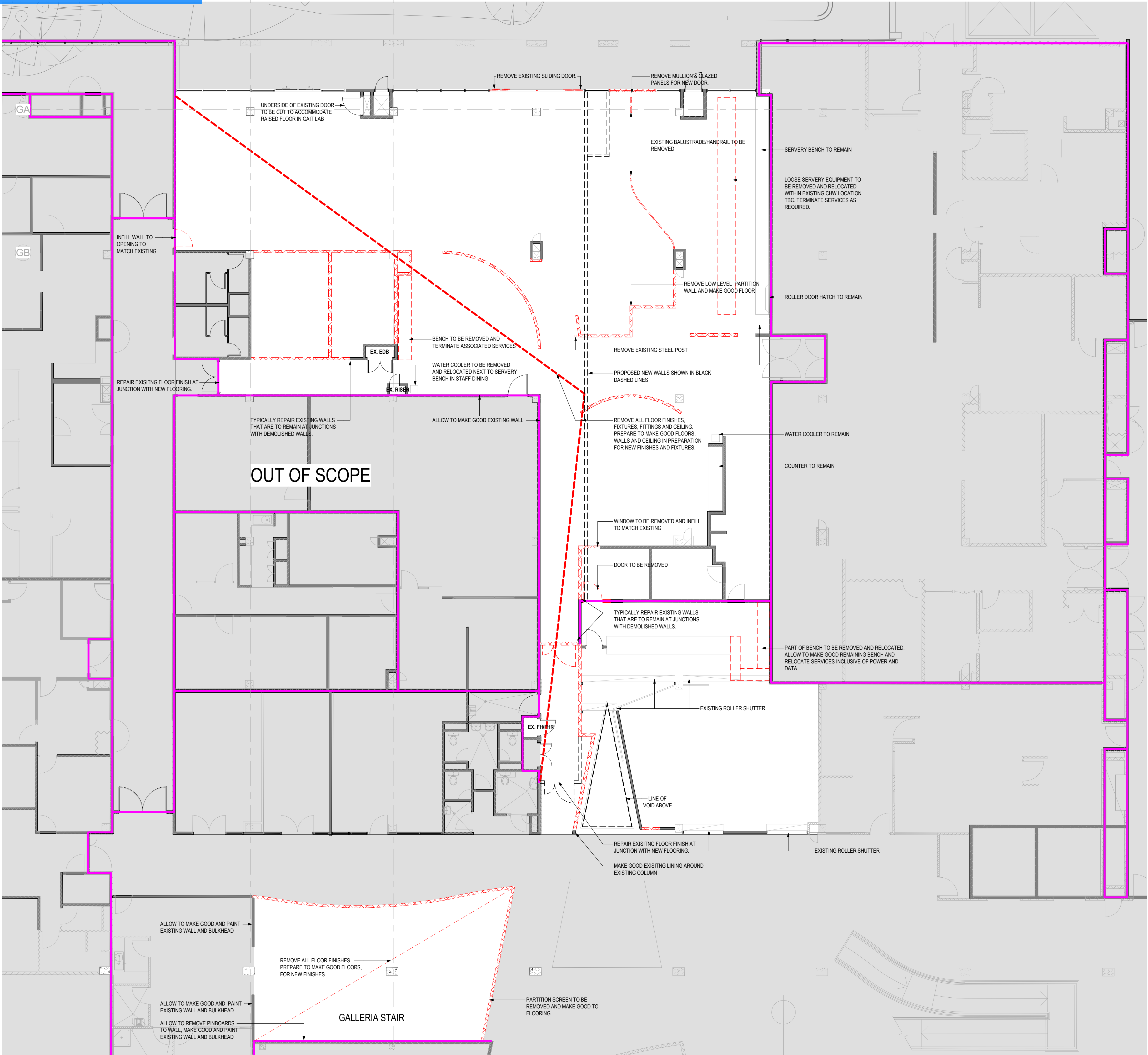
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PLAN - DEMOLITION - LEVEL 02
- CRC & PATHOLOGY
COLLECTIONS

Scale	Date
1 : 100@A1	25/03/22
Drawn By	Checked By
WC	AL/AG
	Revision
	E
Project No	19038

Drawing No
CHW-AR-DG-RFB-09-02301

FOR TENDER

25/03/2022 3:07:16 PM BIM 360://CHW-Stage 2/CHW-BLP-MDL-ARC-BK6-BLD.rvt



KEY:

- WALLS/DOORS TO BE DEMOLISHED
- EXISTING TO BE RETAINED
- PRESUMED EXISTING FIRE RATED WALL BASED ON ENGINEER'S DESKTOP STUDY 29/11/21 & 01/12/21 - CONTRACTORS TO VERIFY ON SITE

NOTE:
COMPLIANCE IS REQUIRED FOR ALL FIRE WALLS BOTH NEW AND EXISTING. EXISTING CONSTRUCTION AND SERVICE PENETRATIONS WILL BE REQUIRED TO BE INSPECTED TO DETERMINE COMPLIANCE. WHERE EXISTING WALLS ARE DEFICIENT, WALLS WILL BE REQUIRED TO BE UPGRADED TO ENSURE ADEQUATE FIRE (SMOKE) SEPARATION.

REV	DESCRIPTION	DATE
E	ISSUED FOR TENDER	18/02/22
D	ISSUED FOR TENDER - DRAFT	17/12/21
C	FOR INFORMATION	24/11/21
B	FOR INFORMATION	10/11/21
A	FOR INFORMATION	28/10/21

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PROJECT The Childrens Hospital at Westmead
Redevelopment - Stage 2

Sheet Name
**PLAN - DEMOLITION - LEVEL 01
- GAIT LAB**

Scale
1 : 100@A1

Date
18/02/22

Drawn By
SG

Checked By
AL/AG

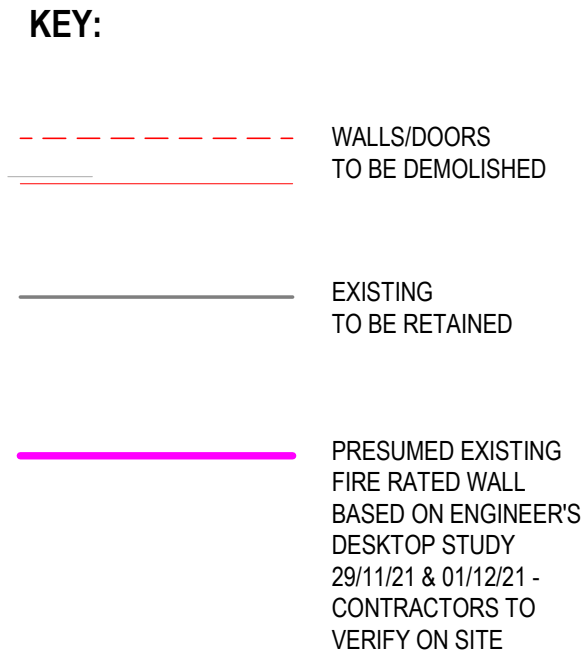
Revision
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Project No
19038

Drawing No
CHW-AR-DG-RFB-09-01401

FOR TENDER

DEMOLITION PLAN



NOTE:
COMPLIANCE IS REQUIRED FOR ALL FIRE WALLS
BOTH NEW AND EXISTING. EXISTING
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TO BE UPGRADED TO ENSURE ADEQUATE FIRE
(SMOKE) SEPARATION.

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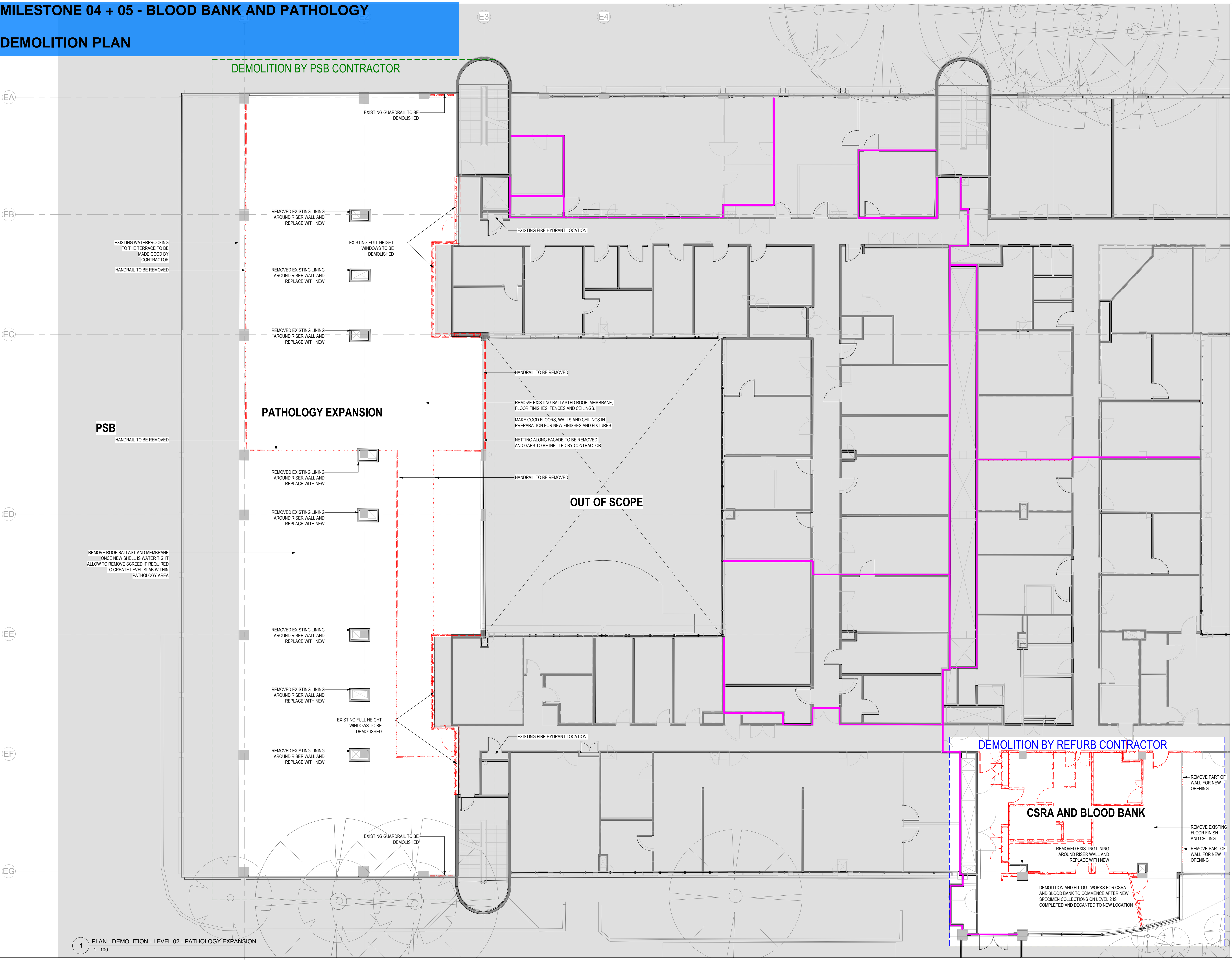
PROJECT
The Childrens Hospital at Westmead
Redevelopment - Stage 2

Sheet Name
**PLAN - DEMOLITION - LEVEL 02
- PATHOLOGY EXPANSION -
STAGE 01**

Scale 1 : 100@A1		Date 08/04/22
Drawn By FN	Checked By AL/AG	Revision G
Project No		19038
Drawing No		

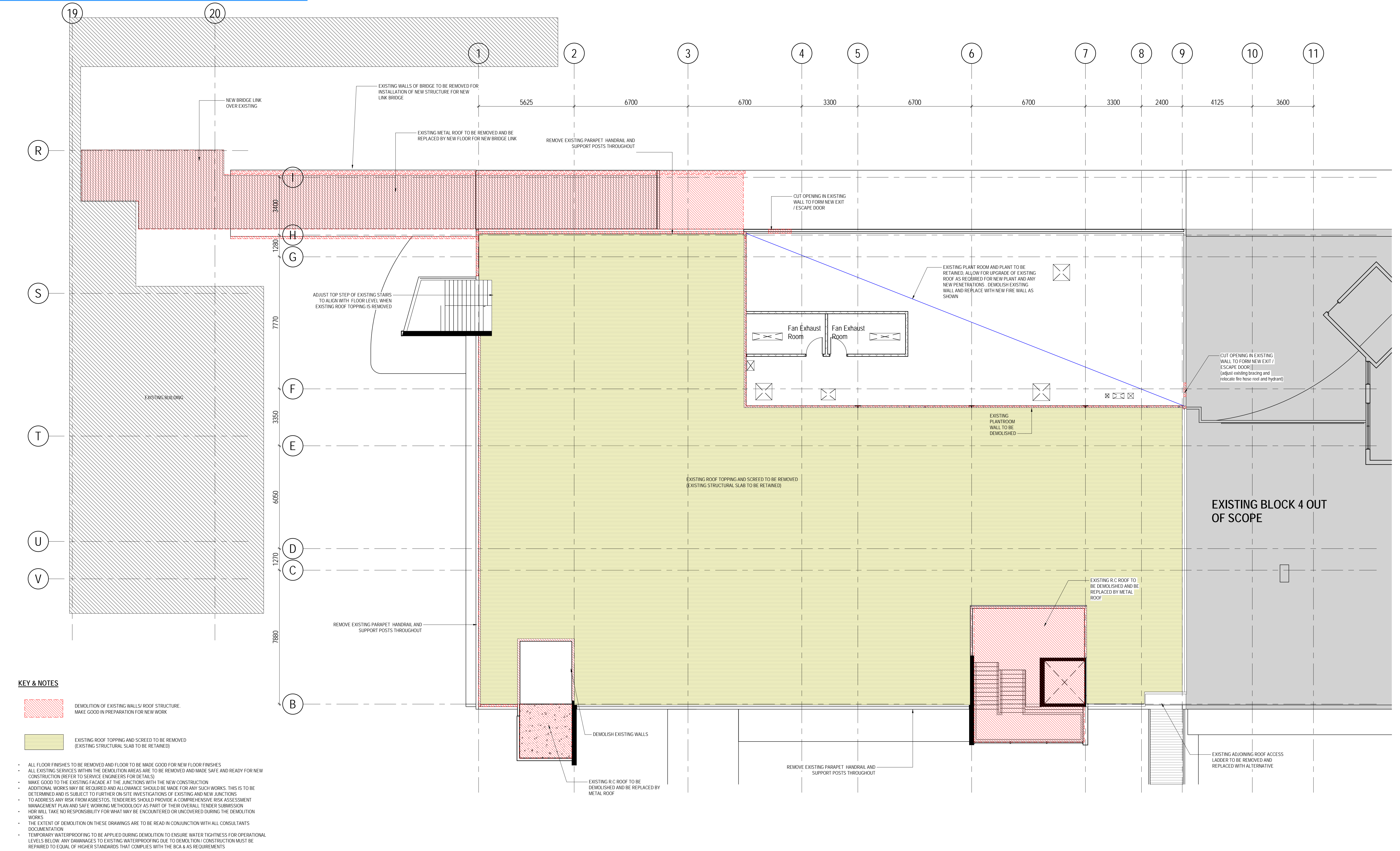
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MILESTONE 06 - KR ROOFTOP

DEMOLITION PLAN



KEY & NOTES

- DEMOLITION OF EXISTING WALLS/ ROOF STRUCTURE. MAKE GOOD IN PREPARATION FOR NEW WORK
- EXISTING ROOF TOPPING AND SCREED TO BE REMOVED (EXISTING STRUCTURAL SLAB TO BE RETAINED)

- ALL FLOOR FINISHES TO BE REMOVED AND FLOOR TO BE MADE GOOD FOR NEW FLOOR FINISHES
- ALL EXISTING SERVICES WITHIN THE DEMOLITION AREAS ARE TO BE REMOVED AND MADE SAFE AND READY FOR NEW CONSTRUCTION (REFER TO SERVICE ENGINEERS FOR DETAILS)
- MAKE GOOD TO THE EXISTING FACADE AT THE JUNCTIONS WITH THE NEW CONSTRUCTION
- ADDITIONAL WORKS MAY BE REQUIRED AND ALLOWANCE SHOULD BE MADE FOR ANY SUCH WORKS. THIS IS TO BE DETERMINED AND IS SUBJECT TO FURTHER ON-SITE INVESTIGATIONS OF EXISTING AND NEW JUNCTIONS
- TO ADDRESS ANY RISK FROM ASBESTOS, TENDERERS SHOULD PROVIDE A COMPREHENSIVE RISK ASSESSMENT MANAGEMENT PLAN AND SAFE WORKING METHODOLOGY AS PART OF THEIR OVERALL TENDER SUBMISSION
- HDR WILL TAKE NO RESPONSIBILITY FOR WHAT MAY BE ENCOUNTERED OR UNCOVERED DURING THE DEMOLITION WORKS
- THE EXTENT OF DEMOLITION ON THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL CONSULTANTS' DOCUMENTATION
- TEMPORARY WATERPROOFING TO BE APPLIED DURING DEMOLITION TO ENSURE WATER TIGHTNESS FOR OPERATIONAL LEVELS BELOW. ANY DAMAGES TO EXISTING WATERPROOFING DUE TO DEMOLITION / CONSTRUCTION MUST BE REPAIRED TO EQUAL OR HIGHER STANDARDS THAT COMPLIES WITH THE BCA & AS REQUIREMENTS

2/21/2022 6:28:19 PM

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01	03/11/21	ISSUED FOR SCHEMATIC DESIGN	TR	HDR
02	31/01/22	ISSUED FOR 90% DESIGN DEVELOPMENT	SS	AC
03	21/02/22	FINAL DESIGN DEVELOPMENT ISSUE	SS	AC

PROJECT:
WESTMEAD VVMF
DRAWING TITLE:
DEMOLITION PLAN (KR) - LEVEL 04

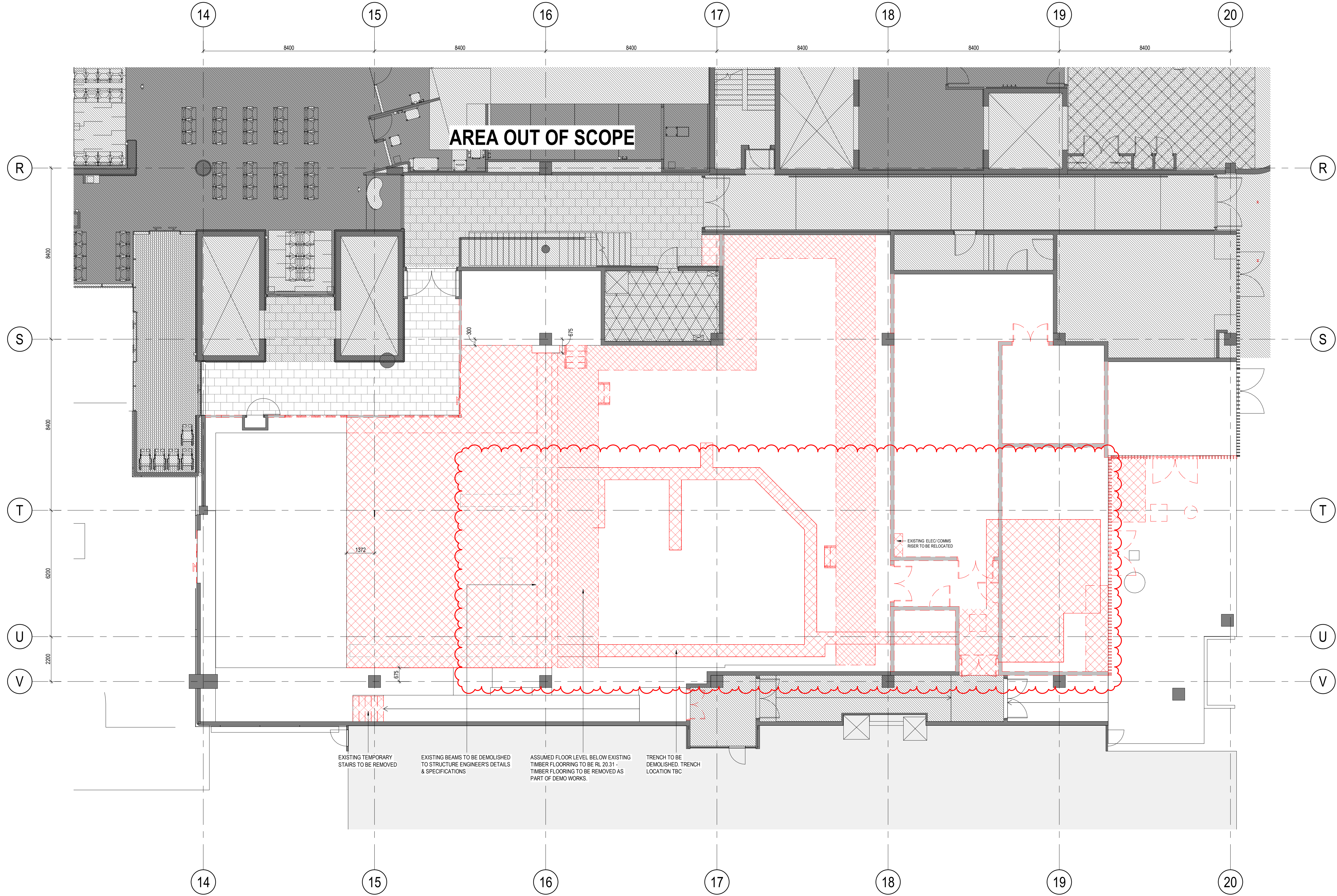
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HDR-AR-DG-20340
STATUS:
DESIGN DEVELOPMENT

REVISION:
03
SCALE:
1 : 100 @ A1



MILESTONE 07 - VVMF INNOVATION CENTRE

DEMOLITION PLAN



- GENERAL NOTES - SERIES A 0300 (DEMOLITION)
1. MAKE GOOD ALL EXISTING SURFACES IN PREPARATION FOR NEW WORKS.
 2. MAKE GOOD ALL VOIDS IN CEILINGS LEFT BY DEMOLISHED WALLS.
 3. DEMOLISH AND/OR REPLACE EXISTING SERVICES FIXTURES AS REQUIRED CAP THE SERVICES IF NOT NEEDED REFER TO ENGINEERS DRAWINGS FOR DETAILS.
 4. REFER TO STRUCTURE ENGINEER'S DOCUMENTATION FOR ANY STRUCTURE DEMOLITION REQUIREMENTS TO ENSURE INTEGRITY IS MAINTAINED.
 5. PLAN HAS BEEN PREPARED IN CONJUNCTION WITH THE SURVEY PROVIDED BY LTS DATED 22/06/2022 - REFERENCE NUMBER 32572-107INT
 6. REFER TO CONTAMINATION REPORT AS PREPARED BY JBS&G REPORT DATED 17 DECEMBER 2021 FOR FURTHER DETAILS REGARDING DEMOLITION REQUIREMENTS OVER ABESTOS CONTAMINATED SITE

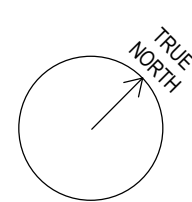
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LEGEND - SERIES A 0300 (DEMOLITION)

- AREA OF SLAB TO BE DEMOLISHED
- AREA OF TIMBER STRUCTURE TO BE DISMOUNTED
- EXISTING WALLS TO BE DEMOLISHED
- EXISTING TO BE RETAINED

11/4/2022 3:45:38 PM BIM 360://10292941_VVM_Viral_Vector_2020/10292921-A-VV-CASB-EV1.rvt

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REV	DATE	DESCRIPTION	DWN	CHK
01	02/05/22	FOR INFORMATION	FM	AC
02	15/08/22	WIP ISSUE	MC	AC
03	29/08/22	WIP ISSUE	RS	AC
04	14/10/22	WIP ISSUE	MC	AC
01	21/10/22	DRAFT DESIGN DEVELOPMENT ISSUE	MC	AC
02	28/10/22	100% DESIGN DEVELOPMENT	MC / KD	AC
03	04/11/22	UPDATED 100% DESIGN DEVELOPMENT ISSUE	KD	AC

PROJECT:
CASB VVMF FITOUT
DRAWING TITLE:
DEMOLITION (IC) - LEVEL 01

PROJECT NUMBER:
10292941
DRAWING NUMBER:
HDR-AR-DG-1-10301
STATUS:
**100% DESIGN DEVELOPMENT
ISSUE**

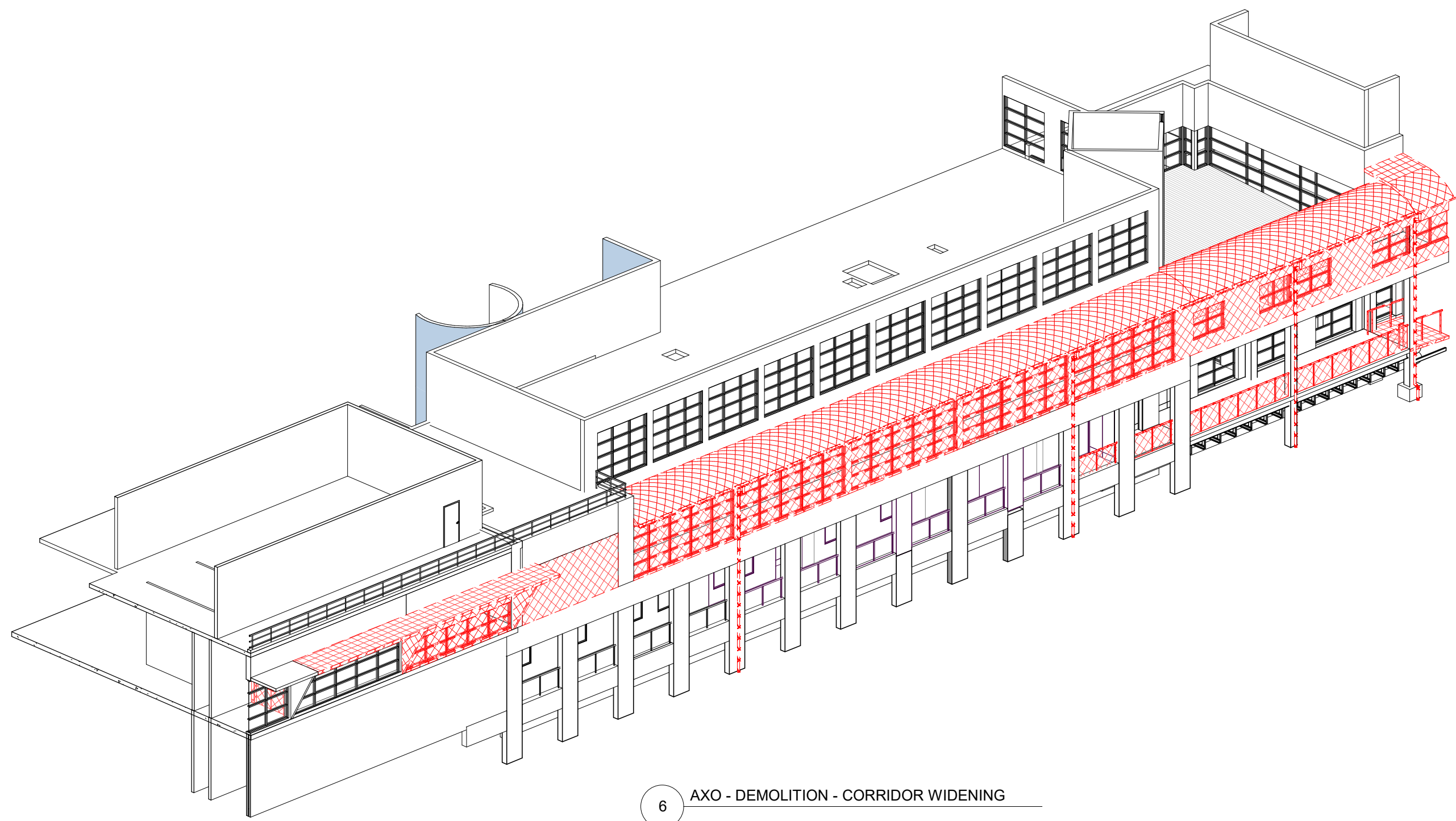
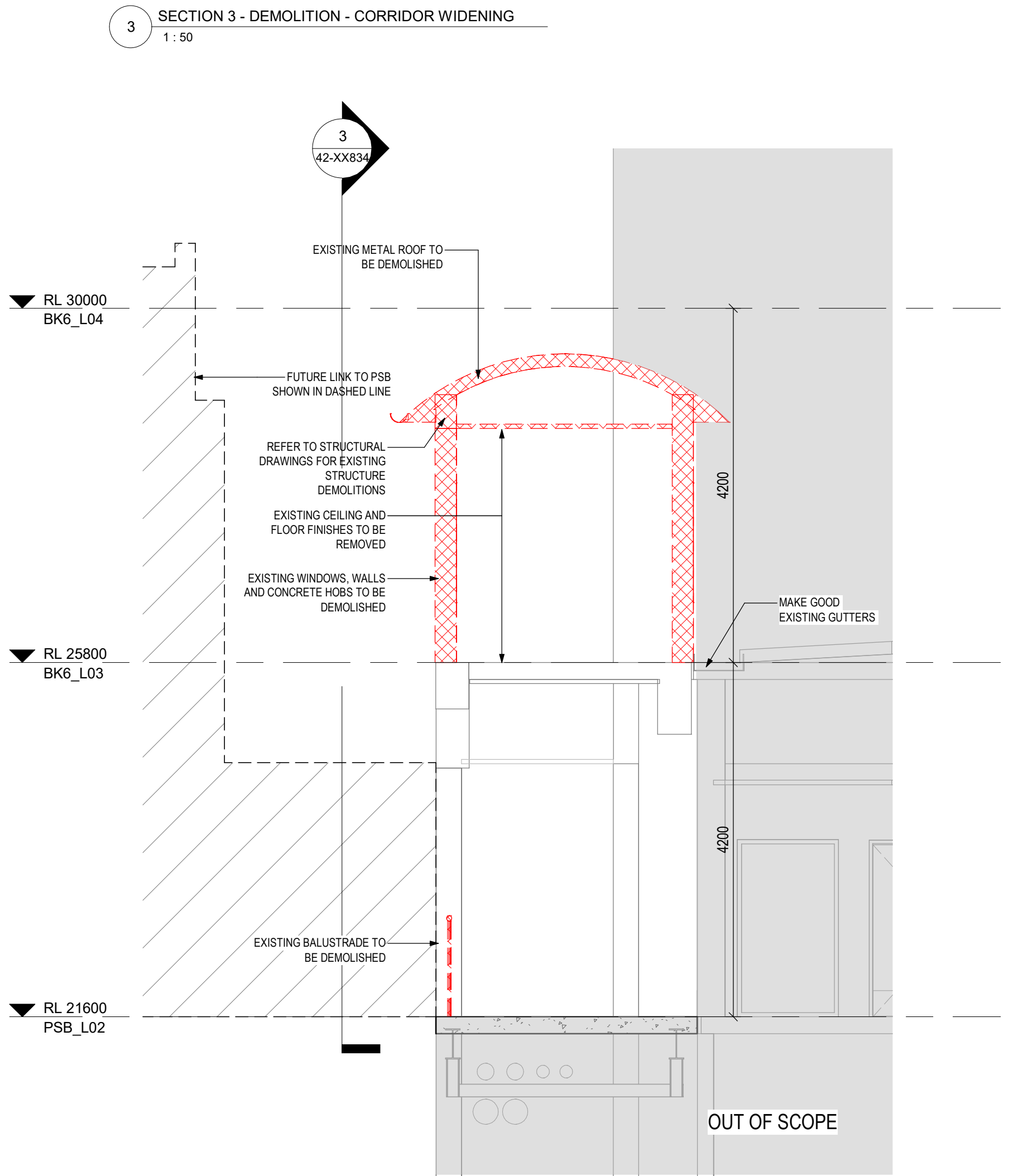
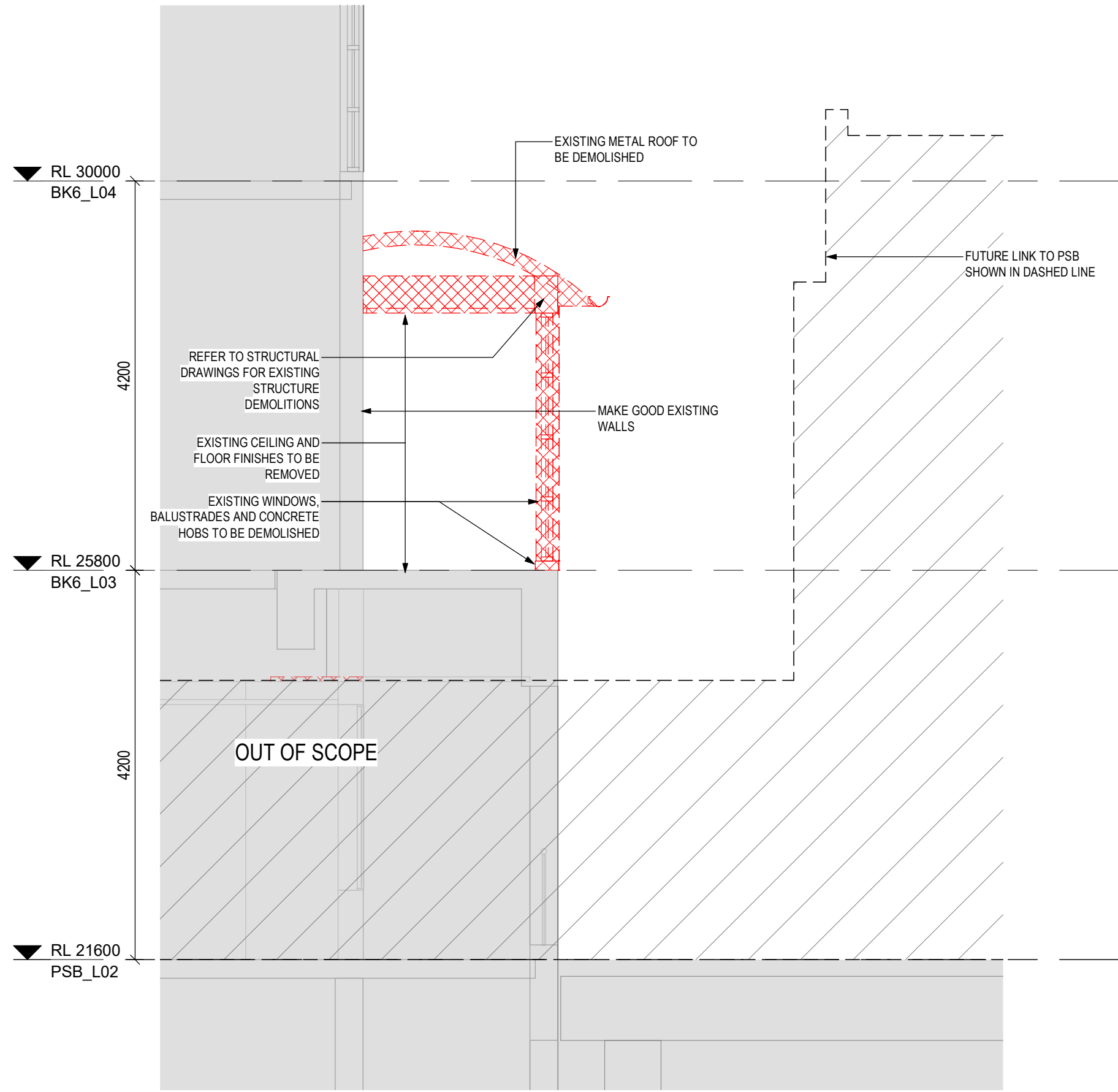
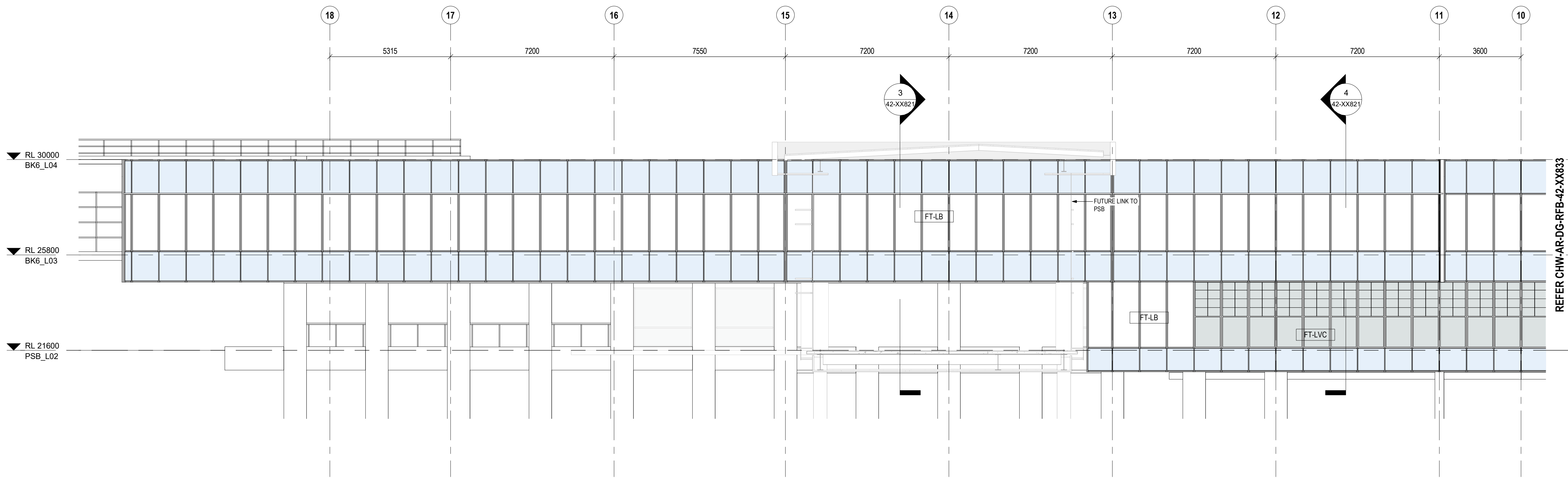
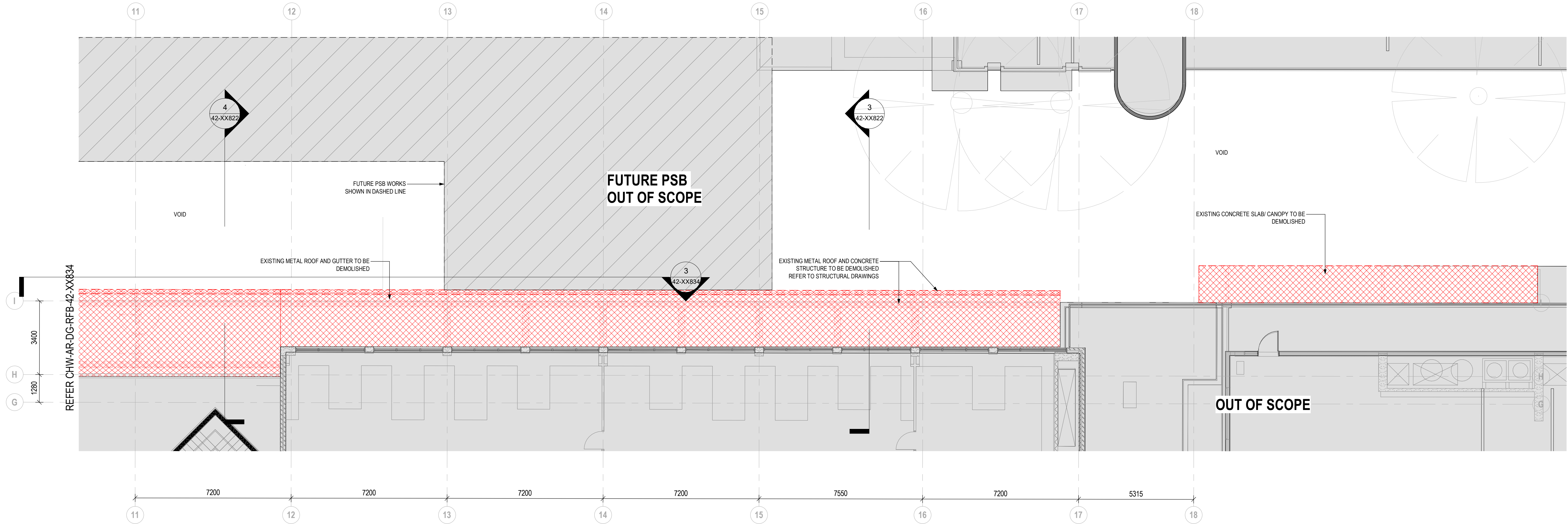
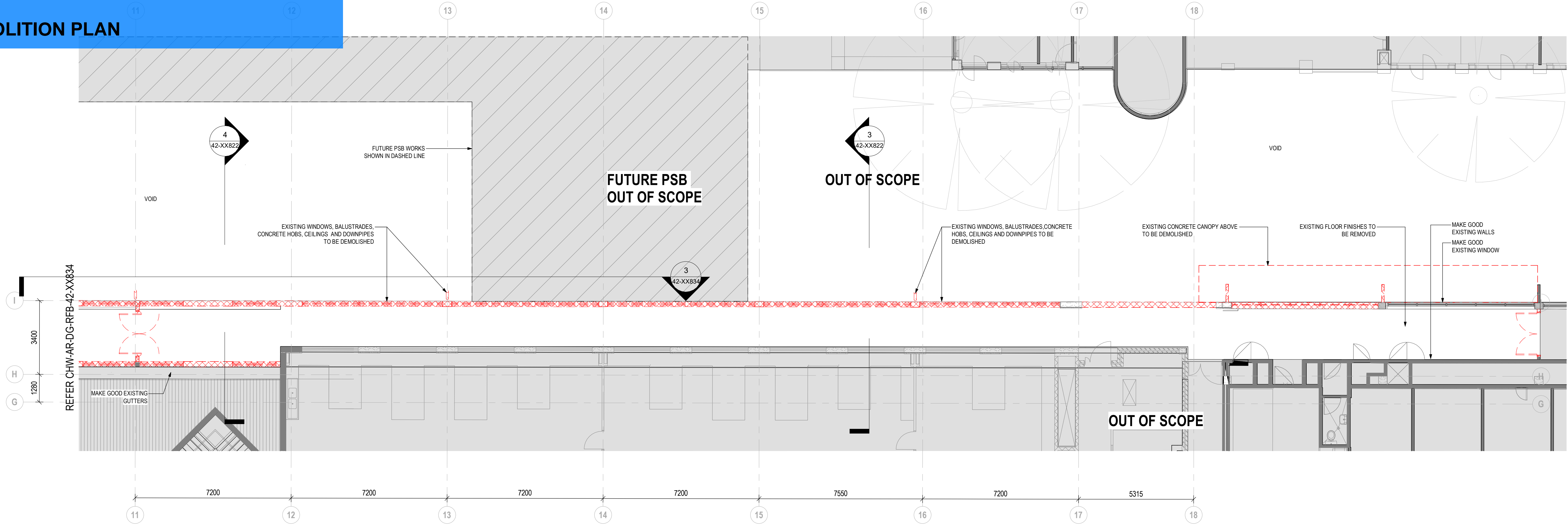
REVISION:
04
SCALE:
As indicated @ A1



**Health
Infrastructure**



CLIENT:
Level 14, 77 Pacific Highway
North Sydney NSW 2060



REV	REVISION DESCRIPTION	BY	DATE
D	ISSUED FOR TENDER		28/02/22
C	ISSUED FOR TENDER - DRAFT		18/02/22
B	ISSUED FOR TENDER - DRAFT		24/01/22
A	ISSUED FOR INFORMATION		21/12/21

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PROJECT MANAGER	PricewaterhouseCoopers
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Level 6, 1 Reserve Road	
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PROJECT:	The Childrens Hospital at Westmead Redevelopment - Stage 2
Sheet Name:	PATHWAYS - CORRIDOR WIDENING - SHEET 2

Project No:	19038
Drawing No:	CHW-AR-DG-RFB-42-XX822
Scale:	As indicated@AD
Scale:	0 0.5 1 1.5 2 2.5m
Scale:	1:50
Drawn By:	FNWVC
Checked By:	ALJAG
Revision Date:	28/02/22
Revision:	D

ATTACHMENT 11

VVMF Asbestos Management Plan

Refer to Aconex Document No. CHW-EN-RPT-56200/150219 'R14 (Westmead Hospital VVMP AMP)'