

PEOPLE WHO BUILD

CONSTRUCTION METHODOLOGY PLAN

PROJECT NAME

GRIFFITH BASE HOSPITAL
REDEVELOPMENT - BUILDING 33

PROJECT NO.

HI 21266



Construction Methodology Plan



VERSION CONTROL

Rev. No.	Issue Date	Approved By	Position	Details
0	Tender Issue	Josh Innes	Senior Project Manager	
1	15.12.2022	Kelsey Godwin-Smith	Design Manager	Updated for Building 33 ONLY
2	31.01.2023	Liam Clark		Updated for Building 33 ONLY
3	17.03.2023	Liam Clark		Updated for 'Day Works'
4	09.07.2023	Kelsey Godwin-Smith	Senior Design Manager	For Final Issue
5	21.12.2023	Ben Yee	Design Manager	Issued for REF

ADCO PROJECT PERSONNEL CONSULTATION AND SIGN OFF

We, the undersigned, confirm that we have been consulted on the contents of this document, read and understood the contents of this document, and agree to implement the requirements of this Plan on this project site

Name	Position	Signature	Date
Josh Innes	Senior Project Manager		17/03/2023
Kelsey Godwin-Smith	Design Manager		17/03/2023
Liam Clark	Assistance Design Manger		17/03/2023
Ben Yee	Design Manager		21/12/2023
Andrew Galvin	Senior Project Engineer		21/12/2023

STAGING, SEQUENCING & ACCESS MANAGEMENT

MILESTONE 4 - BUILDING 33 REFURBISHMENTS

The refurbishment works are through various rooms within the centre – ADCO will notify head of department staff prior to commencement and suitable provide physical barriers between the construction and public access zones. All works will be undertaken during approved SSDA condition hours.

This will also ensure no interaction with the public and staff including vehicles in the external car parking area.

Milestone 4 will commence from September 2024 through to March 2025.

To ensure dust is concealed within the work area, hoardings will be installed to the larger fit out areas with the smaller areas to use plastic zip walls. Dust extraction fans will be used as required.

Prior to the commencement of works, a notice will be provided and required to be signed off by the head of staff to confirm acceptable start time and acceptance to shutdown mechanical and fire systems during works.

The NSW fire brigade will be notified of all shutdowns and when systems are back up and running. This is to prevent false fire alarms during works and ensure no spread of dusty air to other section of the facility.

Fire egress paths will be maintained and modified where required in accordance with fire engineer and private certifying authority requirements. No works will be undertaken until this is established and signed off.

Following works the foreman will ensure all areas are clean, including the adjacent car park, systems are up and running and the area is signed back over to the staff including the notification to NSWFB and any other authorities.



Figure 1: Milestone 4 - refurbishment of Community Health Building

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WASTE MANAGEMENT

ON SITE MANAGEMENT

General	/	Waste products will be recycled wherever possible.
	/	Waste bins will be provided and emptied regularly.
	/	Waste unsuitable for recycling will be disposed of to an approved landfill.
	/	Tipping dockets will be obtained as required.
Solids and liquids	/	Disposal of any solid and liquid waste will be by an approved contractor to an approved location.
Concrete	/	A concrete wash out area will be nominated on site.
	/	Concrete washout will be recycled where possible and used on site to stabilise access or for fill material.
Contaminated	/	Contaminated materials identified on site will be managed in accordance with specialist guidance.
Stockpiles	/	Stockpiles will be in areas approved by the Site Manager.
	/	Stockpiles will be managed to prevent pollution i.e. covered or sprayed etc.

Waste Subcontractors

During the construction of the project, removal and recycling of waste will be provided by: MOITS (Waste Subcontractor) including Tipping dockets.

Waste removed from site will be transported to an approved waste or recycling facility. All waste removed from site will be tracked through waste documents and/or monthly waste reports provided by the contractor.

Concrete and masonry product	/	Concrete waste generated during demolition will be recycled
	/	Concrete wash out will be used for access paths and road where possible. All other concrete waste will be placed in designated skips on site.
	/	Excess concrete will be returned to the supplier.
	/	Masonry recovered during demolition will be recycled where possible by the demolition contractor.
	/	Masonry off cuts from construction may be reused on site for temporary access ways or placed in designated skip bins for recycling.
General waste	/	All general waste generated on site including food scraps will be placed in the bins provided in the amenities buildings.
	/	Such waste will be removed from site by an approved contractor.
Excavated material	/	Normal excavation methods will be used by the approved contractor.
	/	Work areas will have identification barriers to prevent unauthorised access.
	/	All personnel will be required to follow the safety management plan while conducting excavations works.

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	<ul style="list-style-type: none">/ Any contaminated soil to be removed will be tested prior to removal directly to waiting trucks. Contaminated material will be transported by the most direct route to an approved treatment/landfill facility./ The transport of all materials from the site will conform to the requirements of the EPA, Local Councils, RTA and other relevant authorities./ Where contaminated material is to be stockpiled the area is to be designated by the approved consultant or site manager. Protective barriers are to be in place to warn and protect workers on site./ Trucks removing material from site will have the loads securely covered to prevent spillage. Drivers are required to ensure that no materials are tracked onto the road. All traffic leaving the site is to use the designated wash down bay to remove mud, dust and other debris./ Materials to be removed from site may include:<ul style="list-style-type: none">o General waste including organic material, concrete and other hard wasteo Imported fill materialo Topsoilo Landfill wasteo General fillo Unsuitable materialo Contaminated material
Green waste	<ul style="list-style-type: none">/ Green waste generated as a result of tree felling, mulching or top soil removal will be:/ Maintained on site and reused during landscaping works.
Glass, paper, plastic and cardboard	<ul style="list-style-type: none">/ During the construction of the project, such products will be placed in designated bins for recycling.
Plasterboard	<ul style="list-style-type: none">/ During the construction of the project, such products will be placed in designated bins for recycling.
Polystyrene	<ul style="list-style-type: none">/ During the construction of the project, such products will be placed in designated bins for recycling.
Steel and aluminium	<ul style="list-style-type: none">/ Where practicable, such products recovered during the demolition process will be recycled. During the construction of the project, such products will be placed in designated bins for recycling.
Timber	<ul style="list-style-type: none">/ Timber recovered during the demolition process will be assessed on site by the demolition contractor and recycled where possible/ Timber will be used and cut in the most economical fashion where ever possible./ Timbers for formwork, temporary structures and handrails will be reused and maintained at full lengths wherever possible./ Rainforest timbers and Australian high conservation timbers will not be used on this project.

HAZARDOUS MATERIALS

Safe Work Australia classifies a 'Hazardous Substance' as a substance that fits the criteria for a hazardous substance as set out in the document entitled Approved Criteria for Classifying Hazardous Substances published by Safe Work Australia.

Asbestos, material containing asbestos, polychlorinated biphenyl (PCB) and lead based paints are recognised as hazardous substances. Other substances in certain situations are also considered hazardous and therefore require controlled handling. Examples are glues, solvents, cleaning agents, paints, and water treatment chemicals.

Work involving stone, rock, concrete, masonry and such materials containing silica, is work under the Contract whether explicitly identified in the Specification or not. ADCO is responsible for the control of any hazard which may arise from the presence of silica.

Response to Unexpected Discovery

If any hazardous substance not specified in work under the Contract is discovered on the Site, ADCO must suspend all work which may result in exposure to such hazardous substance and notify the Principal immediately of the type of substance and its location.

With the initial notification, or as soon as practicable thereafter, ADCO will submit details, including:

- The additional work and additional resources ADCO estimate to be necessary to deal with the substance so that work and subsequent use of the Works may proceed safely and without risk to health.
- ADCO's estimate of the cost of the measures necessary to deal with the substance.
- Other details reasonably required by the Principal.

ASBESTOS REMOVAL & AIR MONITORING

Where ADCO is responsible for asbestos removal work and will comply with the relevant statutory requirements, standards, codes and guidelines, including but not limited to the:

- SafeWork NSW requirements.
- SafeWork NSW Code of Practice How to manage and control asbestos in the workplace.
- SafeWork NSW Code of Practice How to safely remove asbestos.
- Environmentally Hazardous Chemicals Act 1985 (NSW).
- Waste Avoidance and Resource Recovery Act 2001 (NSW).

Notification and Permit

ADCO will notify the local office of SafeWork NSW and the Principal of the intention to carry out that work, not less than seven (7) days prior to commencing any asbestos removal work. Where the regulations require a licence for asbestos removal work, before the work commences, ADCO will submit a copy of the current licence held by the entity that will undertake the work and a copy of any SafeWork NSW permit required for the work.

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Air Monitoring

ADCO will engage an independent testing authority to provide asbestos air monitoring in respect of the following:

- For each day that demolition, ground remediation and any works involving existing fill material likely to contain asbestos, are being carried out.
- Otherwise on each day during asbestos removal until completion of each area where removal has been undertaken.
- To avoid any doubt, asbestos air monitoring for demolition and ground remediation is not subject to asbestos being present or removed.

TRIGGER	CONDITION GREEN	CONDITION AMBER	CONDITION RED
Asbestos Management Plan	Trigger Action	Trigger Action	Trigger Action
	Asbestos Management Plan is available (as part of ADCO's Project WHS Management Plan), covering all asbestos related risks for the particular project.	Project WHS Management Plan is not up to date in relation to asbestos management.	Principal determines that the Project WHS Management Plan, as submitted by ADCO as part of its tender for this Project, will not be treated as a complying Project WHS Management Plan for the Project at the Date of Contract.
	Planned Response	Planned Response	Planned Response
	Unless the Principal otherwise determines, the Project WHS Management Plan, as submitted by ADCO as part of its tender for this Project, will be treated as a complying Project WHS Management Plan for the Project at the Date of Contract. ADCO must (where necessary) updates the Asbestos Management Plan through the WHS Management Monthly Report.	Principal may issue instruction to ADCO to address this issue as soon as possible. Principal may treat this as non-compliance and withhold payment (including in respect of a Payment Claim) to such extent that it considers appropriate until this is addressed.	ADCO cannot commence construction until Project WHS Management Plan is addressed in the manner required by the Principal. Principal may issue an instruction to ADCO to action as soon as possible. Principal may treat this as non-compliance and withhold payment (including in respect of a Payment Claim) to such extent that it considers appropriate until this is addressed.
Asbestos Removal Licence	Trigger Action	Trigger Action	Trigger Action
	Entity that carries out asbestos removal work is licensed, with any conditions imposed on license appropriate for this particular asbestos removal.	Entity's asbestos removal license has expired, or has conditions imposed on license inappropriate for this particular asbestos removal.	Entity is unlicensed to carry out asbestos removal.
	Planned Response	Planned Response	Planned Response
	Before any asbestos removal work commences, ADCO to submit to the Principal a copy of the current licence held by	Principal may issue instruction to ADCO requiring license to be renewed, or that another entity be engaged if license conditions	Principal may issue instruction to ADCO requiring entity be licensed or another licensed entity be engaged.

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	the entity that will undertake this work.	are inappropriate for this particular asbestos removal, as soon as possible. Principal may treat this as non-compliance and withhold payment (including in respect of a Payment Claim) to such extent that it considers appropriate until this is rectified.	Principal may treat this as non-compliance and withhold payment (including in respect of a Payment Claim) to such extent that it considers appropriate until this is rectified.
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