

# Site Waste Minimisation and Management Plan

## Grafton Hospital Redevelopment Stage 1 – Refurbishment of the Old Jail Site



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Prepared for: Health Infrastructure  
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# Site Waste Minimisation and Management Plan

<b>Applicant Details</b>	
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Project details	<p>Refurbishment of part of the old Jail site into office and administration accommodation to allow for construction of Stage 2 of the Grafton Hospital Redevelopment (Main Works) which will be subject to a State Significant Development Application.</p> <p>The application also involves minor enabling works on the current hospital site.</p>
Address of development	<ul style="list-style-type: none"> <li>■ Lot 2 DP1276261 corner of Arthur and Queen Streets, Grafton (former Jail site)</li> <li>■ Lot 22 DP1024231, 184 Arthur St, Grafton (Grafton Base Hospital)</li> </ul>
Existing buildings and other structures currently on the site	<p>The Grafton Base Hospital (GBH) site is developed land including landscaping, trees, buildings and hardstand areas for parking, access and walkways associated with the existing hospital.</p> <p>The former Jail site is also developed land and contains a gymnasium, Blocks A and B, concrete hard stand and landscaped areas with connecting pathways. Blocks C and D are accommodation units.</p>
Description of proposed development	<p>The proposal is for alterations to existing buildings within the old Jail site for repurposing for hospital use. It also includes the construction and temporary use of demountable buildings within the hospital site and will also include:</p> <ul style="list-style-type: none"> <li>■ Decanting of hospital facilities/departments to other buildings within the existing site and the Acquisition Site.</li> <li>■ Installation of a private ICT pathway</li> <li>■ Electrical infrastructure</li> </ul>
<p><i>This development achieves the waste objectives set out in the DCP. The details of this form are the provisions and intentions for minimising the waste related to this project. All records demonstrating lawful disposal of waste will be retained and kept readily accessible for inspection by regulatory authorities such as Council, DPIE or SafeWork NSW.</i></p>	



Name	Simon Waterworth
Signature	
Date	03/04/2024



#### Objectives Regarding Demolition and Construction

- Optimise adaptive reuse opportunities of existing building / structures.
- Maximise reuse and recycling of materials.
- Minimise waste generation.
- Ensure appropriate storage and collection of waste.
- Minimise environmental impacts associated with waste management.
- Avoid illegal dumping.
- Promote improved project management.

<div> <div>Most favourable</div> <div>←</div> <div>Least favourable</div> </div>				
	Reuse	Recycling	Disposal	
Type of waste generated	Estimate volume (m <sup>3</sup> ) or weight (t)	Estimate volume (m <sup>3</sup> ) or weight (t)	Estimate volume (m <sup>3</sup> ) or weight (t)	Specify method of on-site reuse, contractor and recycling outlet and / or waste depot to be used
Excavation material	N/A	N/A	Circa 120m3	Circa 20m3 excavation for slab removal for linkbridge footings, new slab, and services trenching Circa 100m3 from removal of concrete external walkway Exclude external services trenchings
Timber (specify) Formwork	N/A	N/A	Circa 130m2	Assume all formwork will be disposed of: - circa 21m2 for suspended linkbridge - circa 10m2 circular column formwork to support link bridge - circa 2sides of 52m2 for liftcore
Concrete	N/A	N/A	Circa 26-56m3	Circa 6m3 from existing slab for new wet areas Circa 20-50m3 from existing external walkway slab



Bricks / pavers	N/A	Opportunity for recycling if possible	Circa 122.00 t	Assume all internal partitions are brick. Circa 610m2 (assume 200kg/m2)
Tiles	N/A	N/A	Circa 340m2	Circa 60m2 of floor finishes Circa 280m2 of wall finishes
Metal (specify) offcuts	N/A	N/A	Circa 3.00-9.90 t for mesh fence  Circa 9.20-18.45t for roof sheeting	Circa 660m2 of mesh fence removal, assume 5-15kg/m2 Circa 1845m2 existing roof sheeting say 5-10kg/m2
Glass	N/A	N/A	Circa 340m2	Circa 60m2 of floor finishes Circa 280m2 of wall finishes
Furniture	N/A	N/A	N/A	
Fixtures and fittings	N/A	Nil	4nr of kitchen sink 6nr WC 8nr handbasin Including misc fittings	4nr of kitchen sink 6nr WC 8nr handbasin
Floor coverings	N/A	Nil	Circa 1,155m2	Circa 1,155m2 of existing floor finishes (carpet/ vinyl)
Packaging (used pallets, pallet wrap)	Builder's prerogative AG unable to quantified	Builder's prerogative AG unable to quantified	Builder's prerogative AG unable to quantified	
Garden organics	N/A	N/A	N/A	



Containers (cans, plastic, glass)	Builder's prerogative AG unable to quantified	Builder's prerogative AG unable to quantified	Builder's prerogative AG unable to quantified	
Paper / cardboard	Builder's prerogative AG unable to quantified	Builder's prerogative AG unable to quantified	Builder's prerogative AG unable to quantified	
Residual waste	N/A	N/A	N/A	
Hazardous / special waste e.g.: asbestos (specify)	N/A	N/A	N/A	Any hazardous materials, including asbestos, would be handled, managed, transported, and disposed of according to applicable regulations, including Work Health and Safety (WH&S) and EPA waste protocols.
Suspended ceiling plasterboard	N/A	N/A	Circa 1,845m2	Internal and external ceiling
Other (specify)	NIL			

**Ongoing Operation:** The proposal is for refurbishment of part of the old Jail site to facilitate the redevelopment of the Grafton Base Hospital and enabling works on the current hospital site. Disposal of waste will be through the existing waste management system.

### **Construction Design**

Outline how measures for waste avoidance have been incorporated into the design, material purchasing and construction techniques of the development e.g.:

- Estimate volumes of materials to be used and incorporate these volumes into a purchasing policy so that correct quantities are purchased.
- Incorporate use of prefabricated components and recycled materials.
- Identify potential reuse / recycling opportunities for excess construction materials.
- Consider organising to return excess materials to supplier or manufacture.
- Arrange for delivery of materials 'as needed' to prevent degradation of materials through weathering and moisture damage.

### **Measures**

The proposal will employ the following waste minimisation measures during the construction phase:

- Resource management hierarchy principles are to be followed during the construction phase which include:
  - Avoid unnecessary resource consumption as a priority
  - Avoidance is followed by resource recovery (including reuse of materials, reprocessing, recycling and energy recovery)
  - Disposal is undertaken as a last resort.
- Waste is not to be burnt on site.
- Working areas are to be maintained, kept free of rubbish and cleaned up at the end of each working day.
- Non-recyclable wastes would be collected and disposed of in accordance with CVC waste disposal protocols and EPA guidelines.

Any contaminated waste generated or encountered would be disposed of in accordance with the EPA approved methods of waste disposal (and per RAP).

Written evidence of records demonstrating lawful disposal of waste shall be retained and kept readily accessible for possible inspection by relevant regulatory authorities. Volumes of lawful waste disposal shall generally reconcile with relevant estimated volumes of waste documented in this SWMMP.



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