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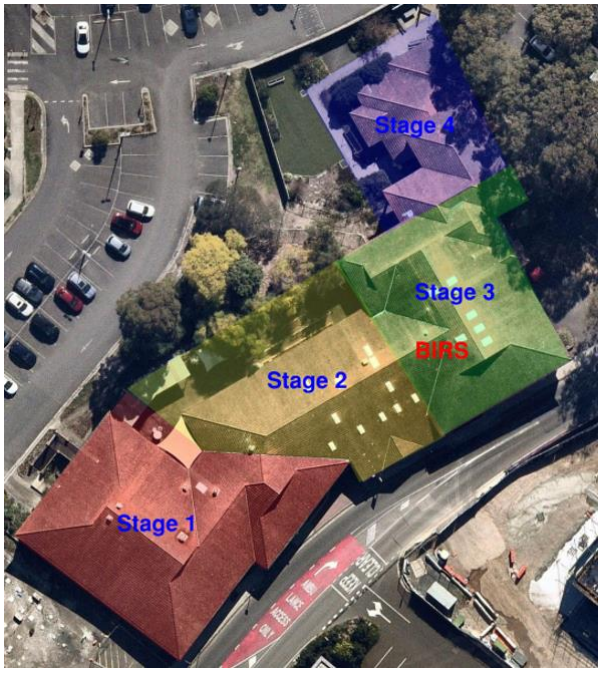
DEMOLITION WORK PLAN

BIR Unit

Cumberland West Mental Health Services Relocation: Corner of Dragonfly Drive and Redbank Road, Westmead NSW 2145



Revision F – 12.02.2024

DEMOLITION MANAGEMENT PLAN

1. PURPOSE

The purpose of the Demolition Work Plan is to address the requirements of AS 2601-2001 The Demolition of Structures. It plans how the demolition of BIR Unit located on the Corner of Dragonfly Drive and Redbank Road, Westmead NSW 2145 will be conducted with consideration to safety, program and environment.

2. SCOPE

The scope of works includes:

- Establishment of site facilities and management of site security;
- Installation of hoarding and scaffolding.
- Isolation of services.
- Removal hazardous contained materials to the building structure.
- Demolition and removal of all structures and materials from site inclusive of services, internal fixtures, fittings, furniture, internal finishes and building fabric at the site.
- Demolition of slab on ground.
- Complete site clearing of rubbish, waste and rubble.

3. LOCATION OF SITE

The building is located on the Corner of Dragonfly Drive and Redbank Road, Westmead NSW 2145 and is bounded by Dragonfly Drive on the south, Redbank School along the east and Carpark to the west and north.

4. SITE DIMENSIONS

The site area for BIR Unit is approximately 2,800m^2, 4m to 6m in height and situated along the boundary of Dragonfly Drive and Redbank Road including the carpark along the west and north elevations.

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5. STRUCTURAL CHARACTERISTICS

5.1 Occupancy Class

The existing dwelling is unoccupied.

Figure 1: Cumberland West Mental Health Services Relocation – Site Plan

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5.2 Structural Support System

The structure of the BIR Unit is a single storey brick building with a partial concrete suspended slab along the south with a lower ground carpark and concrete roof tiles. Other smaller structures include brick planter boxes, awning / canopies and concrete pavement pathways.

5.3 Services

Prior to demolition, the site will be inspected to determine if any services still require disconnection and capping.

Power will be disconnected from the building by a licensed electrician including all telecommunications and data services.

All existing stormwater pits to the site will be covered with geofabric sediment fencing to prevent sediment runoff into the stormwater system. To prevent sediment contamination, the filters will be regularly inspected and replaced during the duration of the works.

The water services to the building will be disconnected and capped with a temporary water service connection for dust control using a jacking pump (If required).

Services to be capped includes domestic water, fire services, gas, air conditioning, telecommunications and electrical.

5.4 Demarcate Site and Define Exclusion Zones

The site boundary will be demarcated utilising existing boundary fencing and newly installed hoarding along Redbank Road. Other areas of site may be demarcated as hazard removal areas or drop zones using crowd control barriers, temporary fencing or the existing structure. Hazardous removal areas or drop zones will be clearly communicated to all working personnel and visitors and sign posted. Physical barriers will be utilised to demarcate these areas.

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Prior to the demolition of adjoining or occupied residencies, the occupant of the neighbouring building is to be notified that the demolition works are occurring. H&R Hassarati will implement control measures to minimise the impacts of noise and vibration.

All demolition will occur during approved DA hours; no explosive or extensive hammering will occur. Where there is potential for machinery or plant to affect a resident's peace & quiet, H&R Hassarati & the stakeholder will notify the tenant prior. Site notices to be displayed in a prominent position are;

- Unauthorised Entry Prohibited.
- Warning Demolition Work in Progress.
- Warning Asbestos Removal.
- Mandatory PPE Information Signage.
- Sign Saying; H&R Hassarati, DE1 Demolition Supervisor Contact Details

During the nominated programme works will incur various demolition activities and show variance to noise and vibration management during the course of the works. The structures to be demolished is comprised of reinforced concrete floors, masonry walls, timber portal frame and concrete slab. The following excavator attachments will be used; rippers, buckets, hydraulic hammers and pulverisers to conduct the works. Hydraulic hammering is required to demolish the majority of the concrete structures during the course of the project while the masonry walls will be demolished using a combination of bucket and hydraulic hammering and demolished lastly, where practical to create a noise barrier. The demolition sequence will provide a barrier to the neighbouring residential & commercial properties in the vicinity of the demolition works.

As stated above, our proposal is to demolish the structures using a combination of mechanical means, thus limiting noise and vibration within the CDC approved working hours.

Control: All noise-creating activities are to be limited to the hours stipulated in the CDC. No work is to be carried out on Sundays or Public Holidays. All plant and equipment are to be muffled in accordance with manufacturers' requirements. The existing structure is to be used where possible to screen noise. The use of hydraulic hammers is to be limited and the size of equipment to be used will be increased to enable the increased use of bucket/ripper/pulverisers attachments in lieu of hydraulic hammers.

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Monitoring: Regular inspections will be performed by the Project Manager to determine the extent of noise/vibration at the nearest affected residence or workplace including sporadic background noise/vibration monitoring to confirm that the existing noise levels at the site during the day. The complaints register will be checked daily and any corrective action necessary taken immediately to ensure minimal interruptions.

Contingency: In the event of excessive noise/vibration is being created by the demolition process, work will stop immediately. Demolition methods will be modified to ensure that noise emissions during demolition work is minimised and vibration mitigation measures are taken such as the modification of demolition methodology. Cherrie Civil will be notified of any noise complaints immediately.

5.5 Environmental Management Controls

Noise and Vibration:
Control: All noise-creating activities are to be limited to the hours stipulated in the DA conditions. No work is to be carried out on Sundays or Public Holidays. All plant and equipment are to be muffled in accordance with manufacturers' requirements. The existing structure is to be used where possible to screen noise. The use of hydraulic hammers is to be limited and the size of equipment to be used will be increased to enable the increased use of bucket/ripper/pulverisers attachments in lieu of hydraulic hammers.

Monitoring: Regular inspections will be performed by the Project Manager to determine the extent of noise/vibration at the nearest affected residence or workplace including sporadic background noise/vibration monitoring to confirm that the existing noise levels at the site during the day. The complaints register will be checked daily and any corrective action necessary taken immediately to ensure minimal interruptions.

Contingency: In the event of excessive noise/vibration is being created by the demolition process, work will stop immediately. Demolition methods will be modified to ensure that noise emissions during demolition work is minimised, and vibration mitigation measures are taken such as the modification of demolition methodology. Principal Contractor will be notified of any noise complaints immediately.

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Water Management:
Controls – All existing drains will be kept clear of rubble to remain operational during the works. Sediment filter fabric will be installed across the drain inlets to prevent sediment run off. Additionally, silt control will be installed outside the site around the local stormwater inlet drains.

Monitoring – Regular weekly inspections will be carried out to ensure that the drain inlet is not blocked, and free flow of stormwater is enabled. The sediment fencing will be inspected to ensure its effectiveness and serviceability.

Contingency – In the event of sediment runoff into drains or outside the site boundary, work will stop immediately. Sedimentation controls will be redirected to the effected areas and cleanup of the sediment runoff will begin. If sediment has infiltrated the stormwater drainage system, Sydney Water will be notified. The Superintendent's Representative will be notified immediately.

Air Quality:
Air Quality is a significant factor in all types of demolition works in which it affects the health and wellbeing of the area and the production methods. The different types of air quality controls that H&R Hassarati has taken in consideration are as follows:

Dust Control:
Controls - Dust suppression methods, through handheld hoses and or sprinklers will be used to control dust at the source point. Demolition staging, such as demolishing perimeter walls last, will be used to minimise the exposure duration of adjoining neighbours to dust creating activities. During high winds demolition methods will be modified or ceased to prevent dust exposure beyond the site boundaries. Rubble and spoil stockpiles will be soaked to prevent dry loading. Shadecloth will encapsulate perimeter fencing to contain dust during demolition works for buildings along the perimeter of the site where required.

Monitoring – Regular visual monitoring will be conducted to determine if cross boundary dust contamination is occurring and the need to enhance dust mitigation action for excessive dust levels. A complaint register will be kept on site for any complaints from neighbours; any corrective actions arising from complaints will be carried out immediately.

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Contingency – In the event of excessive dust outside the site boundary, work will stop immediately. Dust control methods will be modified to ensure that dust emissions during demolition work is minimised. The Superintendent's Representative will be notified immediately.

Odour Control:
Controls – Odour generating materials will be identified and either masked or suppressed using suitable agents; or the extent of the works will be limited such that the odours are kept to a minimum. Odours on site are expected to be a minimum because of no odour creating agents anticipated.

Monitoring – regular monitoring is to check for any evidence of excess odours. The complaints register is to be checked weekly and any suitable corrective action taken immediately.

Contingency – In the event of excessive odour being generated by the works, demolition will cease immediately, and the source of the odour will be identified, and suitable action taken before commencement of demolition. The Superintendent's Representative will be notified immediately.

Hydrocarbon Management:
Controls – All fuel will be stored in approved dangerous goods containers within a bunted area on site in accordance with EPA Guidelines. The bunted area shall be kept clear and dry of all stormwater. Warning signs and firefighting equipment will be located adjacent to the storage area. A fuel spillage kit will be maintained on site for containment of spills. Any in-ground fuel tanks will be pumped out and purged of fumes in accordance with the Australian Institute of Petroleum's Code of Practice for safe removal.

Monitoring – Regular weekly inspections will be performed to ensure the fuel bund is free of stormwater and in operable condition. Inspections will also ensure all containers are also in a safe and serviceable condition and that the warning signs are in place and the fuel spillage kit is on site and maintained.

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Contingency – In the event of a fuel or oil spill, the area around the spill will be isolated. Control methods will be put in place to prevent any runoff of fuel/oil off the site or into drains or pipes. Emergency control methods are on hand at the site and are in the form of spill kits, filter fabric, sediment control socks, sawdust and sand for emergency controls of diesel/oil spills.

Chemical Management:
Controls – A register of all chemicals shall be kept on site and maintained regularly. An SDS for all chemicals will be on site and available for use at all times. All chemicals will be stored on site in accordance with the manufacturers SDS.

Monitoring – The chemical register will be checked weekly as part of the EMP site inspection and updated accordingly. Any spillages will be documented and appropriate corrective procedures taken immediately.

Waste Management:
Controls – All waste generated on-site will be recycled where possible or salvaged for resale or reuse. Any materials which cannot be salvaged or recycled will be disposed of at licensed landfill. All contaminated waste will be disposed of at appropriate registered landfill locations for hazardous materials.

Monitoring – A register of hazardous materials disposal will be kept on site and maintained. Weekly site inspections are to check and ensure all waste is being disposed of in accordance with regularity requirements.

5.6 Emergency Services Pick Up Point

Emergency access will be off the main site access point at the southern end of the site accessed via Dragonfly Drive. In the event of Emergency Services being called, all truck movements will be suspended the internal route to the incident point will be cleared prior to their arrival. A traffic controller will wait at the site entrance to and assist getting them onto and leaving site. First Aid room located within the site compound IPO Building. Response Scenarios include emergency stop button for all plant and ensuring safe access is accessible to work area. Example may include the operator has a medical episode and the spotter will then push the emergency stop button. Skidsteer to be used to clear pathway, if required. Example unexpected structural collapse clear pathway where safe for emergency responders. Check sign in register account for all personnel onsite and call authorities if person is trapped or missing.

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5.7 Plant and Equipment

• 35t Excavator (1)	• Barricades (30lm)	• Temporary Fencing (30lm)
• 25t Excavators (1)	• Amenities (Cherrie)	• Power Tools (10 off)
• 14 Excavators (1)	• Bins (8 off)	• Generators (1 off)
• 5t Excavator (2)	• Trucks (6 off)	• Saw cutting (1 off)
• Skidsteer (2)	• Oxy Cutting (2 off)	• Hand Tools (20 off)

6. METHOD OF DEMOLITION

6.1 General

All works will be performed in accordance with relevant Legislation, Australian Standards, Codes of Practice and Guidelines for demolition. As a minimum, NSW WH&S Act 2011, NSW WH&S Regulations 2011, AS 2601 – Demolition of Structures and the Demolition Work Code of Practice will be followed.

Notification to SafeWork NSW is required to submitted seven days prior to commencement of activity for demolition works. Approvals are to be displayed on site**.**

The Site Supervisor for this project, will be a SafeWork NSW Unrestricted Demolition Supervisor with experience in high-risk demolition works.

Hot works will be in accordance with H&R Hassarati procedure for oxy/acetylene use in the SWMS for oxycutting. All oxycutting will cease a minimum of one hour prior to the completion of work and carry out a 30m fire watch after use. An inspection will be carried out of the working floors prior to workers leaving the site and inspection records kept on site. Hot works permit to be obtained prior cutting.

All work areas will be barricaded, and warning signs posted to ensure access is restricted to the demolition crew only.

Temporary power will be supplied to the area by portable generator or a temporary builder's supply with ELCB protection. All temporary electrical installations will comply with AS 3012-1990-Electrical Installations – Construction and Demolition Sites. All power tools and leads will be tagged and checked on a monthly basis and earth leakage protection shall be used.

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Temporary poly pipes will be used as the demolition progresses from one side to another as per the staging diagrams. This is to ensure there is water available for dust control and firefighting, if required.

All employees working in boom lifts will be required to use safety harnesses. Employees using boom lifts will only enter and exit boom lifts from the ground level. All operators of boom lifts more than 11 metres high will be ticketed or under instruction from a ticketed operator.

All work areas will be barricaded, and warning signs posted to ensure access is restricted to the working crew only. Where it is proposed to place demolition plant and equipment on suspended floors for stripout or demolition (If required), the floor will be certified by a structural engineer prior to the machine being placed in position.

All employees will be inducted on the procedure of the Safe Work Method Statement and the general work procedures outlined in the site induction prior to commencing works on site. Workers will attend a pre-start toolbox talk daily outlining the activities for the day including hazard identifications and risk assessments.

The demolition area will be fenced off to all unauthorised personnel and signposted appropriately for demolition work to comply with regulations. Employees working in areas where a fall of 1.8m can occur must wear a safety harness attached to a fall arrest system approved by a competent person. The site will be enclosed by a metal fencing along Dragonfly Drive with personnel entry gates and truck bays.

When external walls are being demolished ensure fall risks are maintained with exclusions zones using barriers, line marking bunting and/or fencing 2m back from the live edge. Ensure this is included in the daily toolbox talk identifying location.

6.2 Site Establishment

Initially during site establishment access to the site will be via existing entry along Redbank Road bitumen carpark which will be managed by traffic management. Site establishment includes the disconnection of services and establishment of site amenities within the site compound. At least one area will be kept clear of demolition material to provide egress to amenities and site entry.

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6.3 Asbestos Removal and Disposal

A hazardous materials survey has been completed for the project (see Hazardous Materials Survey Report by JBS&G). These works will be performed by asbestos removal contractor who holds a SafeWork NSW Friable (Class A) Asbestos Removal Licence Monitoring and inspection will be done by an NATA accredited occupational environmental hygienist.

An asbestos management plan will be developed by the asbestos contractor and all works will be carried out in accordance with Work Health and Safety Regulation 2011 and the NSW Government and SafeWork document entitled How to manage and control asbestos in the work place: Code of Practice (NSW SafeWork) and the City of Sydney Managing Asbestos Policy. Five days prior to the commencement of asbestos removal, SafeWork NSW will be formally notified of the works. Refer to Appendix A Asbestos Control Plan.

Air monitoring will be done during the removal of asbestos. On completion of the asbestos and hazardous material removal works, a clearance certificate will be issued by an occupational hygienist prior to demolition commencing. A copy of waste dockets will be provided to the client confirming all hazardous materials removed from site were disposed of at an EPA approved landfill.

Signs and barricades will be erected to clearly indicate the area where the asbestos removal work is being performed. Signs will be placed in positions so that people are aware of where the asbestos removal work area is and will remain in place until removal is completed and clearance to demolish has been granted.

If any suspected asbestos contaminated material is found during the demolition works, the area shall be isolated refer the Unexpected Finds Procedure (See below). An occupational hygienist shall test the material to determine whether the material is in fact contaminated with asbestos. If it is, asbestos contractor will be engaged to remove the asbestos and a clearance certificate obtained prior to recommencement of demolition in that area.

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6.4 Unexpected Finds Procedure

If an unexpected actual or suspected contamination find is encountered during the development works, the following generic procedure applies:

1. Stop work in the potentially hazardous area as soon as it is safe to do so and move to the upwind side of the area, or away from the area.
2. Assess the potential immediate risk to human health posed by the unexpected find and assess if evacuation or emergency services need to be contacted. Notify appropriate representatives.
3. Delineate an exclusion zone around the affected area using fencing and/or appropriate barriers and signage. Additional control measures may be required for:
    a) Odours and/or volatile compounds: odour suppression and no smoking signage.
    b) Potential asbestos containing materials: if area is small, cover with weighted plastic sheeting or geofabric. For larger areas, regular dust suppression may be required.
4. Contact the appointed environmental consultant for advice and request a site visit to undertake an assessment of the unexpected find.
5. The environmental consultant will assess the unexpected find and provide advice regarding:
    a) Preliminary assessment of the contamination and need for immediate management controls;
    b) What further assessment and/or remediation works are required and how such works are to be undertaken in accordance with contaminated site regulations and guidelines;
    c) Preparation of an addendum to the Construction Environmental Management Plan or provide clean up advice (if necessary);
    d) Implement required remediation works (where applicable);
    e) Validation works required following remediation works (if applicable).

6. Works are not to recommence in the affected area until appropriate advice has been obtained from the environmental consultant and the environmental consultant has provided relevant information to the Site Supervisor, particularly for considering changes to additional controls to mitigate risks to construction personnel.
7. If it is deemed safe to do so by the Site Superintendent, works may resume in the affected area.

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6.4 Hoarding and Scaffolding Plan

The site will be enclosed by existing fencing or newly installed temporary fencing as along the boundary including B-Class hoarding along Redbank Road.

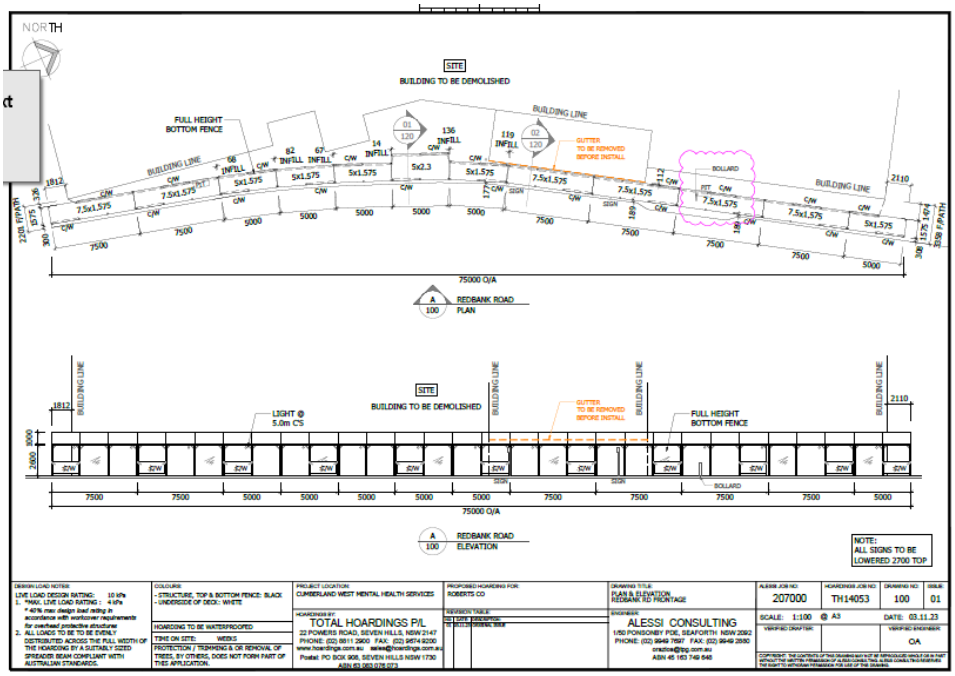

Figure 2: Cumberland West Mental Health Services Relocation – Hoarding Plan

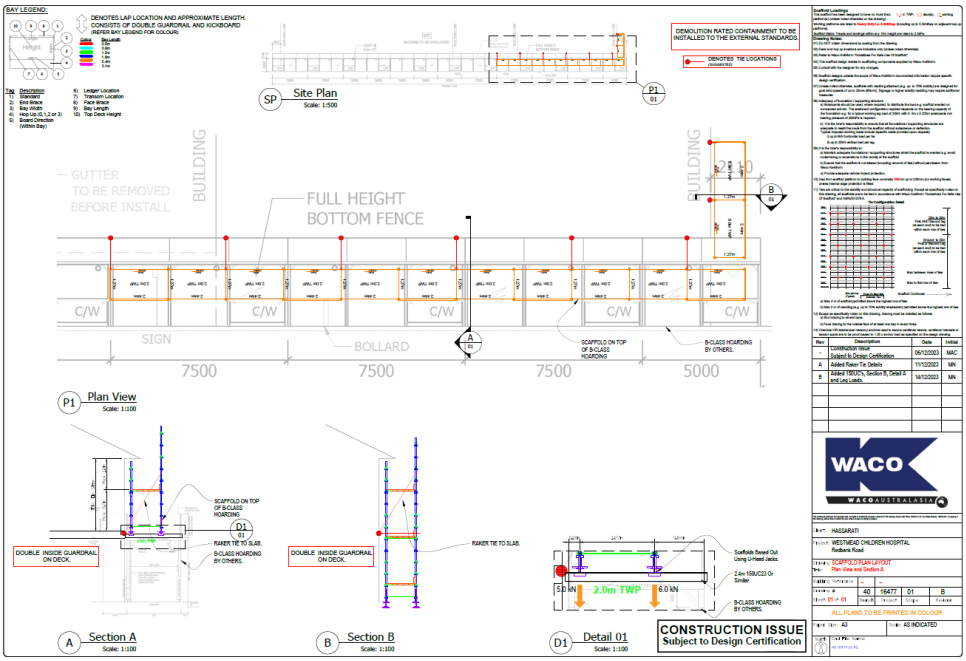

Figure 3: Cumberland West Mental Health Services Relocation – Scaffold Plan

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6.5 Demolition

Load Out Zone:

Following the protection and removal of trees, vegetation and hazardous materials, the existing dwellings will contain a strip-out and structural demolition drop zone. Ensure the areas nominated for the drop zone is barricaded below and warning signs posted. Site to be secured during this activity ensuring no personnel to enter. Workers on the working within the dwellings and the drop zone area will communicate via two-way radio to ensure that prior to dropping material down that the base of the drop zone has been fenced off and workers are not in the area.

Figure 4: Cumberland West Mental Health Services Relocation – Dropzone and Bin Dropoff Location

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Stripout:

The area to be demolished will be barricaded off and appropriate demolition signs placed at the entry points to the building. The strip-out will commence after isolation of all services has occurred. The area under the floor to be demolished will also be cordoned off to all site personnel and signs will be displayed warning that the area is restricted.

All material will be sorted out on the ground into different stockpiles depending on whether it is to be recycled or sent to landfill for disposal.

Skidsteers and/or excavator will be used to transfer the demolished materials to the load out area. The area at the bottom of the drop zone at Ground Floor will be fenced off and signposted. The area around the dropzone opening will be fenced off at all times when not in use. The drop zone / load out area will be fenced off at both ends at each working floor to prevent personnel entering the dropzone area.

Personnel on the working floor and dropzone area will communicate via two-way radio to ensure that prior to dropping material down that the base of the dropzone has been fenced off and personnel are not in the area.

Before structural demolition work commences, demolition areas will be barricaded off and appropriate demolition signs placed at the entry points to the floors. The strip-out will commence after isolation of all services has occurred.

Personnel will work with skidsteers and small excavator to demolish the non-structural walls, ceilings and floor coverings including manually stripping floors as per SOP's. Structural engineer confirmed live loads to include 5t and 1.7t excavator and skidsteer up to 3t to work on suspended slab with plant separation by a slab panel and not less than 2.0mm clear between machines (Refer to Appendix B). All material will be sorted out into different stockpiles depending on whether it is to be recycled or sent to landfill as rubbish.

Skidsteers and/or excavator will be used to transport materials to the designated drop/load zone where the materials will be processed and loaded onto trucks by the larger excavator and finally taken off site to a recycling facility or landfill. Upon completion of the internal stripout, the buildings will be generally free of all rubbish materials and consist of a building shell structure.

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Roof Removal:

Following internal stripout, small excavator to commence with the demolition of the roof structure using grab attachment demolishing one bay at a time moving in a south to north direction. During the roof removal, concrete roof tiles will also be part of the demolition by lowering part of the roof on the ground, separate and place in nominated load out zone.

Prior this, ensure the scaffold is installed including additional screen along the eastern boundary above the B-Class ensuring roof tiles are always managed within the site boundary. Screen can consist of chainwire fencing and/or scaffold screen.

By using a smaller excavator to demolish the roof structure with the concrete roof tiles, the operator can safely manage small portions at a time with additional protection along the eastern boundary.

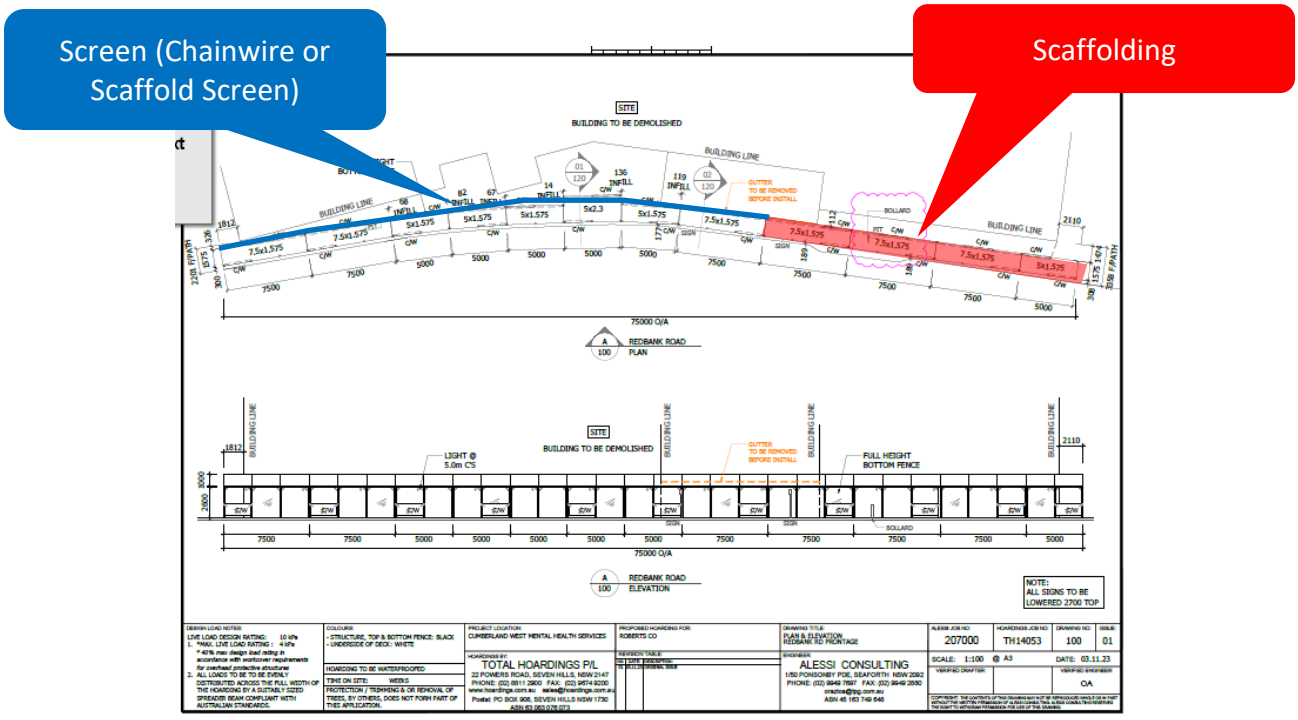

Figure 5: Cumberland West Mental Health Services Relocation – Roof Tile Protection Plan

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Structural Demolition

Before commencement of structural demolition, the area around the floor to be demolished will be cordoned off and appropriate demolition signs displayed. The area under the floor to be demolished will also be cordoned off to all site personnel and signs will be displayed warning that the area is restricted. No personnel will be allowed inside the exclusion zone during structural demolition.

Buildings will be demolished with large excavators working off the ground commencing from the towards one direction when demolishing the structures. Excavators to use various attachments and commence with the remaining roof, then walls and finally ground structure. Personnel will work with the excavator using a water hose to mitigate dust during the demolition process and to sort out demolition material once it has been demolished and stockpiled on the ground.

During demolition works, an excavator working in the loadout/drop zone area will remove the rubble and load out the trucks driving in and out from Dragonfly Drive. Traffic controller/gate personnel will be used to guide the trucks into the site.

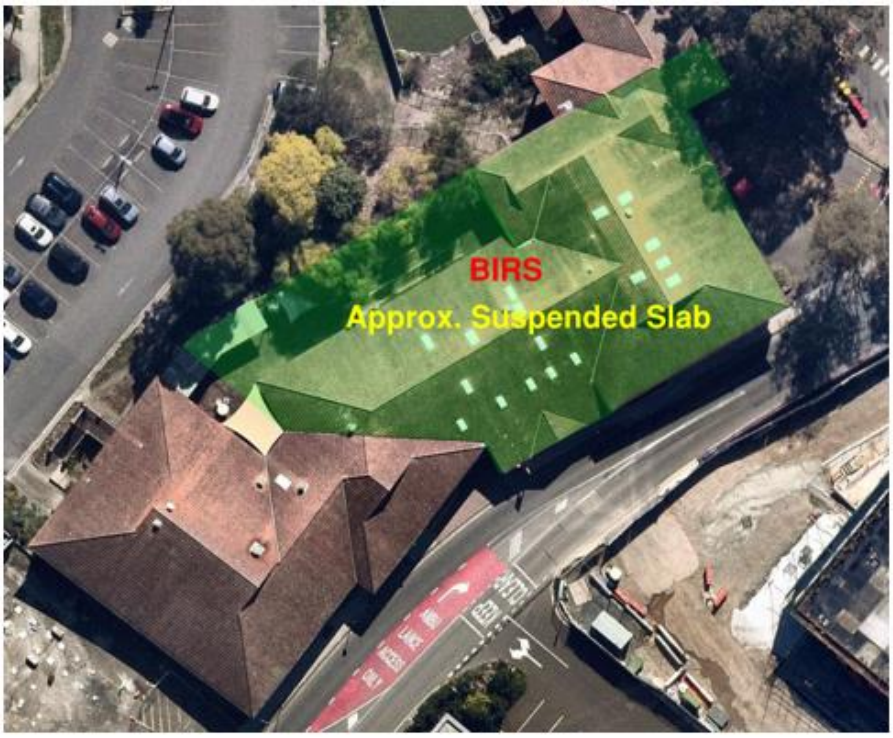

Figure 6: Cumberland West Mental Health Services Relocation – Approx Location of Suspended Floor

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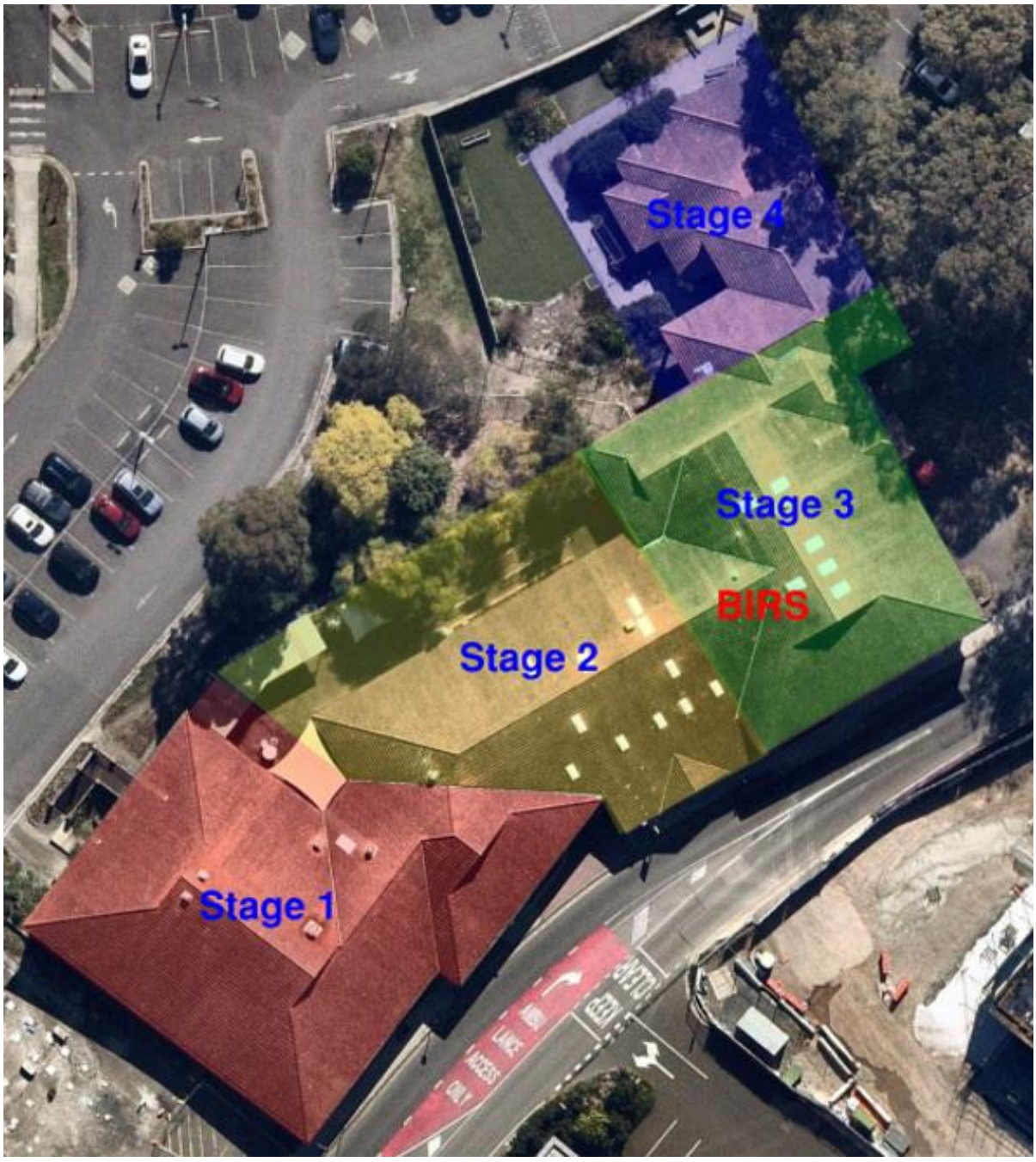

Figure 7: Cumberland West Mental Health Services Relocation – Staging Plan

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Material will be sorted out at ground level into recycling or landfill and disposed of appropriately by trucks loaded by the excavator. Men will be on hand to work with the excavator during the demolition process to act as a spotter and to control dust using a water hose. Maintain exclusion zone/s within the drop zone area with barriers or fencing with warning signs. 2-way radio communication at all times between operator and spotter. Drop zone to be managed daily in toolbox talks.

7. MATERIALS HANDLING AND DISPOSAL

The purpose of the Waste Management Plan is to address the requirements of the Councils Guidelines for Waste Management in New Developments to ensure that a demolition waste management plan is prepared to maximise resource recovery and manage waste in line with legislative requirements.
The objectives of this WMP are as follows:

- Identify wastes likely to be generated during demolition. This includes a description how waste can be reduced, reused, recycled or disposed of in accordance with relevant legislation;
- Minimise resource requirements and construction waste through reuse and recycling and the efficient selection and use of resources;
- Maximise reuse or recycling of and demolition waste either on site or elsewhere;
- Ensure waste management systems are compatible with collection services;
- Minimise risks associated with waste management at all stages of development;
- Nominate location of demolition waste which must be contained and stored within the boundaries of the development;
- Waste dockets are to be retained to confirm and verify which facility received the material for recycling or disposal and
- Waste dockets are to be retained to confirm and verify that at least eighty percent (80%) of demolition material diverted from landfill for re-use and recycling.

The City of Sydney Policy for Waste Minimisation in New Developments 2005 requires measures to reuse or recycle at least 80% of construction and demolition waste, either on site or diverted for reuse and recycling with receipts sufficient to demonstrate this target are required to be achieved. The demolition contractor will be responsible for ensuring these targets are met, and for retaining waste dockets from appropriately licensed facilities that receive the developments construction and demolition waste.

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7.1 Concrete and Brick

Brick will be generated from internal and external walls. Brick will be separated from other debris and stockpiled. It will be loaded into trucks and then transported to an appropriate recycling facility. The material will then be crushed for reuse. Concrete will be pulverised with the view to separate out the steel and to achieve a maximum size of 600mm in any direction. As with brick, concrete will be separated from other debris and stockpiled. It will be loaded into trucks and then transported to an appropriate recycling facility. The material will then be crushed for use in engineering materials.

7.2 Metals

Metals will be separated into their individual types and further into light gauge and heavy gauge including ferrous and non-ferrous metals. These will be stockpiled and then loaded into bins for removal to a scrap recycling facility by H&R Hassarati trucks.

7.3 General Waste

General Waste includes plasterboard, timber (engineered and natural), glass, carpet and insulation etc. These items will be loaded into trucks and transported to landfill by H&R Hassarati trucks.

7.4 Synthetic Mineral Fibre

Synthetic Mineral Fibre (SMF) is found in the building chiefly in ceilings and walls. The Hazardous Materials Reports found Synthetic Mineral Fibre (SMF) materials are present in the building. These materials are associated with building insulation and should be removed under controlled conditions prior to demolition, in accordance with the requirements of the Code of Practice for the Safe Use of Synthetic Mineral Fibres [NOHSC: 2006(1990)].

Demolition of the building will be undertaken in accordance with the Construction Management Plan and Australian Standard AS 2601:2001: The Demolition of Structures.

Disposal of SMF will be through General Waste and taken to landfill by H&R Hassarati trucks.

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7.5 Waste and Recycling Facilities

The below table provides the contact details for the waste and recycling disposal facilities that will be used to dispose waste and recyclables during the demolition phase.

Name of Company	Address	Opening Hours	Contact Details
Genesis Alexandria	76 Burrows Rd Alexandria	Mon – Thurs 6am - 6pm Sat 7am - 1pm	9519 9999
Sydney Transwaste Industries	160 Arthur Street Homebush West	Mon – Sun 6am - 7pm	9746 8333
Concrete Recyclers (Group)	14 Thackeray Street Camellia	Mon – Fri 7am - 4pm Sat 7am - 2pm	9684 6811
InfraBuild Recycling	53-57 Riverside Road, Chipping Norton	Mon – Fri 7am - 4pm Sat 7am - 2pm	9205 7900
Kurnell Landfill	330 Captain Cook Drive Kurnell	Mon – Fri 6:15am - 4pm Sat 6:15am - 1:30pm	9668 8539
Bingo Eastern Creek Recycling Ecology Park (& Landfill)	1 Kangaroo Ave, Eastern Creek	Mon – Fri 5:00am - 5pm Sat 5:am – 5pm	1300 424 646
SIMS Metal	72 Burrows Road, Alexandria	Mon-Fri 7:00 am -3.30pm	9509 7002

All material moved offsite must be transported in accordance with the requirements of the Protection of the Environment Operations Act (1997).

7.6 Storage of Demolition Waste

All demolition material will be stored within the site boundary at all times

8 SEQUENCE OF DEMOLITION AND PROGRAMME:

The proposed sequence of demolition is as follows:

i) Site establishment – 2 Days
ii) Temporary fencing demarcation including B-Class Hoarding Installation – 6 Days
iii) Scaffolding as per scaffold plan – 3 days
iv) Disconnection of Services – 12 days
v) Protection and removal of trees – 2 days
vi) Removal of hazardous materials – 14 Days
vii) Stripout building – 24 Days
viii) Structural demolition of all structures – 54 Days
ix) Load out and disestablish – 60 Days

DEMOLITION MANAGEMENT PLAN

9 DEMOLITION EXCLUSION ZONE

Exclusion zones shall be setup around all structural demolition and drop/loadout zone areas. Personnel other than spotters and plant operators are not permitted within demolition zones. Exclusion will also be established around areas onto which waste from the upper levels of the building will be dropped down to ground. Barricading and a spotter will be required to direct other personnel around the drop zone. All exclusion zones will be communicated through Daily Prestart Talks which are to be minuted and signed. All un-inducted visitors are to be accompanied by an inducted person.

10 EVACUATION ASSEMBLY POINT

Evacuation assembly point is located along the north in the carpark.

11 TRAFFIC MANAGEMENT

The Traffic Management Plan (TMP) for these proposed works will incorporate a Traffic Control Plans (TCP), incorporating Pedestrian Management Plans and Vehicle Movement Plans. Each specific worksite will implement a Traffic Control Plan which will identify and show the management of vehicle, pedestrian and plant movement around works as per approved CTMP. The approval from stakeholders (City of Ryde and Roads & Maritime Services RMS) will also form the TMP. All TCP's and approvals will be attached and updated, as necessary. All worksites and TCP's will be implemented by suitably qualified personnel as per authorised TCP for the stage of works.

11.2 Access/Egress of Vehicles:

All exiting trucks will be loaded to their prescribed weight limits, within the site boundary. All trucks will be covered by tarpaulin or like prior to exiting the site.

The demolition site will not interfere with any pedestrian movement other than at the access/egress points. Works will be carried out so that no impacts affect the surrounding buildings and roads. Vehicles will access the site from Dragonfly Drive. Vehicles will enter and exit the site in a forward direction.

There will be no requirement to block any traffic lanes during the demolition works. Access to neighbouring properties will be maintained at all times.

DEMOLITION MANAGEMENT PLAN

The arrival and departure of trucks associated with the demolition works will be carefully managed and controlled by site personnel using two-way radios. Trucks will be called onto the site when required and enter from Dragonfly Drive as per approved TMP.

11.2.1 Ingress

- Vehicles will access the site from the west via Dragonfly Drive and turn left into site via Redbank Road.
- Vehicles will enter the site under the direction of a ticketed traffic controller in a forward direction.

11.2.2 Egress

- Vehicles exiting the site will turn left onto Redbank Road and head in a north bound direction for their haul to the recycling yards and landfill.
- All vehicles will exit the site in a forward direction. Ticketed traffic controllers will stop traffic as required when trucks are exiting the site.

The hardstand area will be used to load the demolition material on to trucks for removal off site. Trucks will remain on the hardstand areas during prior to exiting the site to prevent material being tracked onto the surrounding roadways. Labourers will use water hoses to wash down trick wheel prior to exiting the site as required.

11.2.3 Identification and assessment of worksites

Each work site has different requirements, these will be identified individually, and management plans put into place, the site TCP will include more detail of this implementation and how the controls put in place will minimise disruption whilst maintain a safe work area for construction crews.

11.2.4 Transport Vehicles & Frequency

Transport Vehicles:
All demolition waste will be transported in rigid tipper trucks.

Transport Frequency:
The demolition works will involve approximately 24 truckloads averaging 4 loads per day.

DEMOLITION MANAGEMENT PLAN

11.2.5 Pedestrian Management

All pedestrian travel within the site for site workers will be confined to designated walkways identified by safety signs and paraweb or alternate temporary fencing. No unauthorised personnel will be permitted within the demolition zone unless accompanied by the site supervisor. Whilst within the confines of the demolition works, all personnel will attire in Hi-Viz vests to ensure that visible to moving traffic. The site perimeter will be bound by hoardings to prevent unauthorised access to the site.

12 EROSION AND SEDIMENT CONTROL PLAN

This Stormwater and Sediment Control Plan details the treatment of stormwater and wastewater during the demolition works to the BIR Unit located on the Corner of Dragonfly Drive and Redbank Road, Westmead NSW 2145.

Water and sediment will be controlled by ensuring that all existing drains will be kept clear of rubble to remain operational during the works. Sediment filter fabric will be installed across the drain inlet to prevent sediment run off, in particular along Dragonfly Drive. Where the demolition of the structure will create sediment runoff to areas other than to the existing drains then sediment fencing will be established at the perimeter of the works.

The sediment fencing will be complimented by drainage swales and sediment ponds where the gradient of the site is likely to cause erosion and failure of sediment fencing. Additionally, silt control will be installed outside the site around the local stormwater inlet drains.

Regular inspections will be carried out to ensure that the drain inlets are not blocked, and free flow of stormwater is enabled. The sediment fencing will be inspected to ensure its effectiveness and serviceability.

Existing concrete and hardstand areas will be used for truck access and egress from the site. The hardstand area will be kept clean of demolition rubble to ensure no material is taken out to the roadway by trucks exiting the site.

All paints, oils, solvents, and fuels will be stored correctly and bunted safely.

APPENDIX A
SafeWork NSW Demolition Notification

Work Health and Safety Act 2011 (WHS Act)
Work Health and Safety Regulation 2017 (WHS Regulation)

NSW GOVERNMENT SafeWork NSW

Notice of intent to commence demolition work

☒ Structure/ part structure that is at least six (6) metres in height

☒ Involving load shifting machinery on a suspended floor

☐ Involving explosives

Notification number: 941R-00398228-01 **Date of notice:** 9/01/2024 **Notification status:** Acknowledged

LICENCE DETAILS

Demolition licence number:212609 Expiry date:5/03/2028

Licence holder name: H & R Hassarati Pty Ltd

Class(es): DE1/ DE2

Registered business name:H & R Hassarati Pty Ltd

A.B.N:98616076987

Daytime contact number:

WORK/ SITE DETAILS

Proposed work start date: 16/01/2024 Proposed work finish date: 30/03/2024

Site name: Cumberland West Mental Health Services

Site address: 166 Hawkesbury Rd Westmead NSW 2145

Site owner: Cherrie Civil Engineering Telephone:

Type of structure to be demolished: Brick Clad Building, Concrete Slabs, Tiled Roof.

Machinery to be used in the demolition: Excavators, Skidsteers, Trucks.

Explosives to be used in the demolition: ☐ Yes ☒ No

Explosive licence number: Explosive licence expiry date

Explosive licence holder name:

Was a blast management plan provided: ☐ Yes ☒ No

SUPERVISOR/ WORKER DETAILS

Supervisor	DOB	Competency	Telephone
		DE1 ASB	

All work is to be carried out in accordance with the *Work Health and Safety Regulation 2017* and the associated codes of practice.
This notification of intent to commence demolition work is required by clause 142 of the *Work Health and Safety Regulation 2017*.
See Section 268 of the *Work Health and Safety Act 2011* for offences relating to the giving of false or misleading information under the Act or the Regulation.

APPENDIX B
Structural Engineering Certificate

Structural Design Group Engineers Pty Ltd
Phone: 02 8605 9161 Email: info@sdgeng.com.au

john@hassarati.com.au

Job No: 23123
18 December 2023
John Saad
H&R Hassarati P/L
5-7 Juno Parade
GREENACRE NSW 2190

Dear Sir

RE : BRAIN INJURY REHABILITATION UNIT
AT : REDBANK ROAD, WESTMEAD

Upon your request, we carried out an inspection of the existing building at the above address and carried out a structural assessment of the structural floor proposed to be loaded with the listed machines below. We based our review on the following criteria/information below:

- No structural drawings/documentation available of the building.
- The existing building, at the time of inspection; does not show visible signs of excessive structural distress and instability.
- The building is a purpose-built hospital building with the suspended reinforced concrete bondek floor over steel beam and column construction.
- We adopted a general loading of than 2.0kPa floor load based on the usage of the building as a Type A2 – Hospital Wards and general use for the suspended floor.

Figure 1

Figure 2 – Google Satellite View – Brin Injury Rehabilitation Unit Building

Directors: Ramon Gonzales BE Struc (Hons) MIEAust CPEng NER RPEng RPEQ
Suite 424 14-16 Lexington Drive, BELLA VISTA NSW 2153 Telephone: 0493 454 565 or 0422 987 234
Structural Design Group Engineers Pty Ltd – ABN 26 657 216 905 Email: info@sdgeng.com.au Website: www.sdgeng.com.au

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Phone: 02 8605 9161 Email: info@sdgeng.com.au

The following machine is proposed to be used on the suspended floor of the building.

Suspended Reinforced Concrete Floor (including the external rear veranda)

- One (1) Yanmar ViO17-1B rubber track excavator with maximum total weight 1.9t or similar.
- One (1) Bobcat Skid Steer up to maximum total weight of 2.0t or similar.
- One (1) Yanmar ViO50-6B steel track excavator with maximum total weight 5.6t or similar.

Our assessment found that the existing floor structure of the buildings at the above site address is structurally capable of supporting the plant equipment/machines listed above provided the listed conditions/requirements below are strictly adhered to and/or met.

1. Back propping to the underside of the suspended floor is not required.
2. All infill/opening to the floor shall be located and clearly marked prior to machines being placed on the floor. Machines shall not be permitted to travel, operate and park on infill and opening.
3. Machine(s) shall have a minimum of one (1) meter clear from floor free edges and edges of openings.
4. All machines shall be separated by a slab panel and not less than 2.0mm clear between machines. Note - slab panels defined as the area bounded by three or more beams and/or three or more adjacent columns.
5. Machines shall not be allowed to travel, park and operate over the demolished debris on the floor.
6. The lightweight debris material shall not be more than 1000mm high and the demolished concrete and masonry materials shall not be more than 350mm high. Do not combine or mix the lightweight and concrete/masonry debris. If mixing debris is not possible the maximum height of debris shall be 350mm.

If you require further clarification, please do not hesitate to contact the undersigned.

Yours faithfully
SDG Engineers Pty Ltd

BE Struc (Hons) MIEAust CPEng NER RPEQ RPEng
Director – Senior Structural Design Engineer

APPENDIX C

Location, Condition of Underground Essential Services Including Isolation Certificates

DEMOLITION MANAGEMENT PLAN

INDUCTION RECORD

I hereby confirm that I participated in the Demolition Work Plan at the BIR Unit located on the Corner of Dragonfly Drive and Redbank Road, Westmead NSW 2145.

Name	Signature	Date

DEMOLITION MANAGEMENT PLAN

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