

2022

CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN



Woolworths Customer Fulfillment
Centre, Marrickville

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Details	Title	Name	Signature	Date
Prepared by	Engineer	Subhash Ahir		
Reviewed by	Project Manager	Ryan Bonakey		
Approved by	General Manager	Greg Banks		

CEMP - Revision Control

CMP issue number	Date Issued	Amended Page(s)	Action / Amendment Description	Approved By
1	02/11/2022	56	Appendix E Emergency Management Plan removed and incorporated into Appendix G Environmental Management Plan	Greg Banks

CEMP – Review

Date Reviewed	Reviewed By	Required Revision (Record Section Numbers where changes occurred)

CEMP Controlled Document Distribution

Issued to	Name and Organisation	Date	Issued By
James Webb	RP Infrastructure		Greg Banks
James Webb	RP Infrastructure	03/11/2022	Greg Banks

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1 - Authorisation and Control

1.1 Authorisation

This Plan is authorised by the General Manager. All project personnel are to ensure that their work activities and those of Project Consultants, Contractors and Suppliers are carried out in accordance with the requirements of this Plan.

1.2 Distribution

This Plan is a Controlled Document and must be distributed and revised under the guidance of the Project Manager. People who hold Controlled copies are responsible for maintaining their copies up-to-date.

1.3 Revision

The General Manager will monitor the implementation of this Plan and review the need for change or improvements having due regard to:

- Change in work scope, client comments etc.
- Internal and external audits
- Suggestions and comments from project personnel
- Incidence and frequency of non-conformance
- Necessity for corrective or preventative action
- Legal Update and Requirements
- Review by Central Civil (NSW) Management team
- Annual Review

All changes must be formally approved by the General Manager. Changes to the recent revision will be highlighted.

The table listed on page 2 provides a record of amendments made to this document

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2 - Project Information

2. Project Information

Client Details	Is the client the Principal Contractor	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Company Name	RP Infrastructure	
ABN	62 065 072 193	
Address	Level 19, 9 Hunter Street Sydney NSW 2000	
Phone	02 8272 9300	
Email	James.Webb@rpinfrastructure.com.au	
Client Contact Name	James Webb	
Client Contact Phone Number	0406 882 188	
Demolition Contractor Details	Is the contractor the Principal Contractor	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Company Name	Central Civil (NSW) Pty Ltd	
ABN	61 167 710 545	
Address	Unit 3B, Building 4, 256B New Line Road, Dural NSW 2158	
Phone	0499 010 000	
Email	greg@centralcivilnsw.com.au	
Project Specifics		
Project Name	Marrickville Online Customer Fulfilment Centre	
Project Address	74 Edinburgh Street Marrickville	
Start Date	12/10/2022	
Peak number of personnel on site	16	
Project Contacts		
Project Manager		
Name	Greg Banks	
Phone	0476 910 130	
Email	greg@centralcivil.com.au	
Competent Person on Site	Sarkis Elias/Thomas Madden	
Supervisor		
Name	Charlie Elias/Thomas Madden	
Phone	0450 170 630	
Project Engineer		
Name	Subhash Ahir	
Phone	0405 823 241	
Email	estimator@centralcivilnsw.com.au	

2.1 Introduction

Central Civil (NSW) is a respected firm, offering an array of turnkey solutions in demolition, civil and environmental remediation solutions, which includes asbestos abatement, hazardous material removal, soil remediation, asset recovery, and site preparation.

Over the last decade Central Civil (NSW) has assembled an unrivalled portfolio of work and expanded our business to incorporate highly specialised services with proven expertise and high calibre personnel.

Central Civil (NSW) is proud of what has been achieved internally and externally with our project partners. Partner of Choice is our organisations ethos. Our clients have become an intricate part of the organisations success who value Central Civil (NSW)'s ability to deliver projects time and time again.

Central Civil (NSW) commitment is:

- Central Civil (NSW) will complete the contract to RP Infrastructures and Woolworths vision & values.
- Central Civil (NSW) will complete the contract that will contribute to the achievement of the inheritance set for the project.
- Central Civil (NSW) will complete the contract to a standard that presents both RP Infrastructures, Woolworths and Central Civil (NSW) in a positive manner to the public.
- Central Civil (NSW) will complete the contract activities to a standard and innovation that is of the highest industry standard.

2.2 Purpose

This Construction Environmental Management Plan (CEMP) has been prepared by Central Civil (NSW) to accompany a State Significant Development Approval and satisfy Planning Secretary's environmental assessment requirements (SEARs) for the redevelopment of 74 Edinburgh Road, Marrickville (Lot 202 in DP 1133999, Lot 3 in DP 318232 and Lot 3 in DP 180969), in the Inner West local government area.

The intention of this document is to communicate that this development has been well considered and will be undertaken in a manner that seeks to minimise disturbance and impact on the surrounding environment. Items contained in this Plan include:

- Outline of major works
- Public amenity, safety, and pedestrian management
- Materials handling
- Traffic management including public transport interfaces and cumulative impacts of other construction sites within the precinct
- Environmental management
- Impact on adjoining and surrounding properties.

Central Civil (NSW) will work closely with the NSW Department of Planning, Industry and Environment, Inner West Council, neighbours, existing tenants, Stakeholders and transport Authorities to create plans that will ensure minimal impact and disruption to the surrounding area.

Consultation will continue to be a key priority throughout the demolition process to ensure the community and stakeholders receive regular updates and have the opportunity to provide feedback. This Plan has been prepared to describe how the Project Management team will implement and conduct its allocated site management responsibilities during the demolition phase of 74 Edinburgh Road, Marrickville development. This Plan has been formulated and may require changes to meet stakeholder and contractor's requirements as the project progresses.

A fundamental aim of this Plan is to ensure all demolition is properly facilitated, integrated and coordinated to deliver certainty to the objectives of the Project. It emphasises the importance of substantial pre-planning, detailed programming and adoption of innovative demolition methods to ensure the subsequent delivery of the project is not only a success for Woolworths Group Limited, but also satisfies key surrounding Stakeholders and Authorities.

It is intended that further detailed Construction Environmental Management Plan and work plans for each phase of the project, as outlined in this plan, will be prepared and relevant approvals secured prior to demolition commencement. The final version of this Plan will ensure all demolition is properly facilitated, integrated and coordinated thus guaranteeing the project's objectives are achieved.

74 Edinburgh Road is located to the north-west of the junction between Edinburgh Road and Sydney Steel Road in Marrickville on the fringe of a largely industrial area; it is a corner block and has frontages to both these streets which accommodate two-way flowing traffic.

2.3 Scope of this Plan

This Plan provides an approach that:

- Advises how the construction project management team will comply with the requirements of the contract relating to demolition.
- Defines the project objectives and targets of particular relevance to the demolition phase.
- Describes constraints specific to the demolition phase and the project in general.
- Describes the process for the identification and control of risks specific to the demolition phase.
- Details the proposed strategy for the demolition phase, with particular regard to establishment, resourcing, site organisation and demolition controls.

2.4 Interface with other Plans and Procedures

The final Construction Environmental Management Plan will form part of an integrated set of Project Management Plans which have been prepared by Central Civil (NSW). It should be read in conjunction with the Project Management Plans.

2.5 Policies

To deliver Demolition Activities in line with the Contract, Central Civil (NSW) has policies to demonstrate the commitment to the implementation of a Construction Environmental Management Plan.

These policies will be displayed in the Project office and communicated during the project induction.

Central Civil (NSW)'s policies are:

- Occupational Health and Safety Policy.
- Quality Policy.
- Environment Policy.
- Drug and Alcohol Policy.
- Employee Relations Policy.
- Return to Work Policy and
- Equal Opportunity, Discrimination & Harassment Policy.

2.6 Project Purpose

Central Civil (NSW) has been awarded the Demolition and Crushing Works at 74 Edinburgh Road, Marrickville NSW.

This Construction Environmental Management Plan (CEMP) has been prepared to provide the Project Team & RP Infrastructure a clear plan on how Central Civil (NSW) will meet the requirements of:

- Delivery of Scope of Works.
- Within Program.
- Within Contract Value.
- Project Objectives & Targets.
- Australian Standard 2601:2001 – Demolition of Structures.
- Demolition Code of Practice and Contract Requirements.

The Construction Environmental Management Plan (CEMP) is the lead Management Plan and is the overarching Plan to Project Delivery.

The Project Delivery will be guided by Central Civil (NSW)'s Integrated Management System (IMS).

Central Civil (NSW)'s IMS is in the process of being certified as meeting the requirements of:

- ISO45001 Occupational Health and Safety Management Systems.

- ISO14001 Environmental management and
- ISO9001 Quality Management Systems.

Under the IMS, Central Civil (NSW) will maintain its own project management system as well as comply with the requirements under the Contract, and with any legislative requirements.

2.7 Objectives and Targets

No.	Objective	Target	Evidence
1	Integration	Deliver project in line with management plans.	Project Audit Performance
2	In Scope	Full completion of scope.	Payment of Scope Item ITP complete.
3	On time	Delivery in required time frame.	No Delay Notices issued.
4	In Budget	Deliver project within budget.	Achievement of Contract Program.
5	Quality	Work to standard with zero major (>\$5k) non-conformance issues. Positive client feedback. Work fronts completed at defined mild stone determined by ITP's and inspection frequency. Plant delivered with risk assessments and plant certification reports. Identify areas of continual improvement to systems or process'.	Issue of NCR requiring work exceeding \$5k. Client Feedback Lodged. Inspections/Checklists completed. Observation and Internal Notices issued. Submission of Improvement Idea.
6	HR	Personnel follow Central Civil (NSW)'s safe work procedures and delivery of quality workmanship. Nil industrial disputes. Personnel have required tickets, training, competence verified by external RTO.	Reduced injuries. Issue Resolution. Delivery of Project Training Requirements.
7	Communication	Weekly Toolbox with standards, agenda delivered. Project co-ordination conducted with standard agenda.	Toolbox Talks conducted. Meeting minutes.
8	Risk Management	Weekly site inspections for project duration. Weekly safe work observations for project duration.	Site Inspection Reports. SWO completed. Outstanding actions report.

		Corrective actions from site inspections/audits closed out.	
9	Procurement	Progress claims submitted on due date for both contractor and subcontractors.	Submission and Assessment of claims.
10	Environmental Management	No breaches of EPA.	Implementation of Construction Environmental Management Plan and sub-plans.

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3 - Site Description & Scope

3 Site Description & Scope

The Site is located within the Inner West Local Government Area (LGA). The Site is situated approximately 5.5km south-west of Sydney CBD and approximately 2.9km north-east of Sydney International Airport within the suburb of Marrickville.

The Site has an area of approximately 28,090sqm and has frontages to both Edinburgh Road (north) and Sydney Steel Road (east). The boundaries of the Site are illustrated below in Figure 1.

The key elements within and surrounding the Site include:

- The Site is located within the industrial area of Marrickville and currently accommodates several large freestanding industrial buildings and associated car parking and loading areas.
- Vehicular access to the Site is via an existing entry and exit driveway at the Edinburgh Road frontage. Access is also available from Sydney Steel Road.
- The Site contains minimal vegetation which is fragmented by buildings and areas of hardstand surfaces. Vegetation is limited to scattered trees and shrubs within the Site and planted within the nature strip.
- The Site is located within 1km of Sydenham Railway Station, which is currently being upgraded as part of the Sydney Metro Chatswood to Bankstown metro line; and
- The Site is well positioned in terms of access to arterial and main roads, public transport modes of bus and rail, Sydney Airport and the retail centre of Marrickville.

The Works will comprise of, authority approvals, demolition and site clearance to achieve Practical Completion under the Contract, including rectification of defects during the Defect Liability Period (DLP).

3.1 Hours of Work

General demolition works will be undertaken within the hours permitted under the Development Approval / Conditions of Consent.

In some cases, after-hours permits will be sought from the relevant Authorities where special requirements exist, for example oversized deliveries.

Working hours are foreseen as follows:

- Between 7:00AM and 6:00PM - Monday to Friday
- Between 8:00AM and 1:00PM – Saturday
- No working Sundays or public holidays.



Figure 1 Site Boundaries

3.2 Site Constraints

The Site possesses a number of constraints which may influence not only the development outcome but also the demolition strategy and methodology. These include:

- Proximity to residential zones to north-west and associated acoustic considerations both during Demolition (e.g., concrete crushing works).
- Potential flood risk and flood liability
- A potable water reticulation line beneath Sydney Steel Road
- Wastewater reticulation mains within the property, including a critical 600×990mm wastewater trunk main located in easement which bisects the site.
- Several major stormwater lines, including a covered pipe beneath Sydney Steel Road, a major open stormwater channel which passes through the north-eastern part of the site, and a covered box culvert beneath Edinburgh Road.
- Proximity to flight path of Sydney Airport and implications to future tower cranes during demolition
- Other nearby construction sites

3.3 Adjoining and Neighbouring Properties

The Site is well positioned in terms of access to arterial and main roads, public transport modes of bus and rail, Sydney Airport and the retail centre of Marrickville. The Site is located on the northern periphery of the Sydenham Precinct which is part of the Sydenham to Bankstown Urban Renewal Corridor, earmarked for significant employment growth.

The Site also forms part of a large industrial precinct bounded by Edinburgh Road to the north, Railway Parade and the railway line to the east, Marrickville Road/the railway line to the south and Meeks Road/Farr Street/Shepherd Street to the west. The Industrial precinct includes:

- Large free standing industrial buildings.
- Industrial estates including smaller individual warehouse buildings to the south and east.

- Manufacturing, freight and logistics uses and includes storage facilities, car smash repairs, warehousing and factories.

The Marrickville Metro Shopping Centre also lies to north of the Site. Residential uses are well separated from the Site to the south and east. The Site is also physically separated from residential dwellings to the north and northwest by Edinburgh Road.

3.4 Prior to Commencement of the Works

- Establishment and maintenance of Construction (demolition) Program.
- Prepare a site-specific Site Establishment Plan.
- Prepare a site-specific Traffic / Pedestrian Management Plan (and update as required).
- Prepare a site-specific Health and Safety Management Plan.
- Prepare a site-specific Site Hazard and Risk Assessment.
- Establish a Quality Assurance System (project specific) including Inspection and Test Plan (scoping all testing and inspection services) and final surveys as required.
- If required, prepare Notices of Interference, Impairment or Isolation for any services and / or systems which will be affected by the performance of the Works.
- Undertake a complete dilapidation and existing conditions survey of all areas of the existing site and adjoining buildings, infrastructure which will be affected physically by the Works.
- Complete Ausgrid Decommissioning in accordance with the Ausgrid plan including any level 1 works.
- Review of the draft development consent conditions and compliance of all items required to complete the full scope of demolition works.
- Letter drop to local residents and businesses advising them of the Works.
- Review and compliance with the Aboriginal and Cultural Heritage Report.
- Review and compliance of Hazardous Materials Survey Report, including but not limited to:
 - Engage AS-1 Licensed asbestos removal contractor - above and below
 - Engage an occupation hygienist to conduct air monitoring during demolition works
 - Engage an occupation hygienist to conduct clearance inspection and clearance
- Review and compliance of the Construction Environmental Management Plan.

3.5 Mobilisation to Site

- Undertake any necessary approved isolations and/or impairments to existing systems and/or services to enable site establishment and the Works to proceed.
- Site establishment and any necessary approved temporary works (site amenities, fencing, temporary access, storage and set down areas), including the separation of the Site from public areas.
- Provision of all facilities, cramage, hoisting, scaffolding, protective screens and hoarding and any other temporary works including temporary (Central Civil (NSW)'s) power supply, lighting (area and task) and communications infrastructure as may be necessary.
- Comprehensive planning and co-ordination before commencing work and during the Works.
- Coordinate access times (during working hours and outside of working hours) for Ausgrid to complete the decommissioning works (including associated fees)

3.6 During the Performance of the Demolition Works

All existing structures will be demolished.

The site will be cleared of all HAZMAT material, following which the buildings will be demolished on a floor-by-floor basis using a combination of excavators with hammer and pulverizing attachments and bobcats.

Perimeter scaffold and scaffold designed hoarding will be concurrently stripped on a floor-by-floor and area by area basis.

Stability of adjoining owner party walls will be carefully monitored during the demolition works and where necessary, demolition using hand tools will be used in preference to machine demolition if any doubts or concerns are advised by the Structural Engineering Consultant as to wall stability.

All Central Civil (NSW) personnel and sub-contractors undertaking these works will be appropriately qualified and licenced.

Demolition will be undertaken as follows:

- Compliance with all Australian Standards, Code of Practice and Local Authority Requirements.
- Maintain site security at all times.
- Maintain separation of site and public at all times.
- Facilitate access to site for main works contractor site inspections, investigations and testing
- Installation of concrete barriers and barrier mesh around site installed monitoring wells.
- Allowance for permanent perimeter fencing/ rectification to damaged perimeter fences and gates.
- Coordinating decommissioning of existing Ausgrid Services times (during working hours and outside of working hours) including any fees associated with access, delays, inclement weather, changes to design, etc.
- Protect existing services, systems and commercial assets.
- Comply with any Sydney Water requirements, particularly in relating to protection of existing assets.
- Conduct all necessary surveys to accurately set out the Works.
- Conducting (including provision of any necessary equipment) verification of in ground services (especially live electrical) prior to commencing.
- Obtaining all necessary subsidiary permits and / or statutory permits as are specified or otherwise required.
- Implementing the project specific safety, traffic management, construction management, environmental and quality plans and participating in all necessary audits and inspections of same.
- Provision of all necessary temporary construction signage including all required statutory signage to identify the Site, advise safety control measures, hazardous materials and dangerous goods stored within, and re-direct non-construction vehicular and pedestrian traffic around the perimeter of the Site.
- Demolition and removal of all above ground buildings and services.
- Terminate, run back to service feed and cap off all redundant services including but not limited to sewer, potable water, fire services, power, gas, telecommunications.
- Demolition of all existing above ground slabs and structures, termination and capping (including authority applications and approvals) of all redundant inground services, removal, and disposal of all redundant above ground services.
- Make good to all damaged council foot paths and roads.
- Removing and/or recycle rubbish.
- Maintaining site safety, order and cleanliness.
- OHS Independent Audits during the Works.
- Levelling and spreading of crushed concrete to eliminate site trip hazards.
- Monthly safety audit by the contractor.
- Use of existing water on site possible with the inclusion of a temporary water meter. The water disconnection to be completed once demolition scope is finished. The demolition contractor may be required for provide periodic reporting of the water meter.

3.7 During the Performance of the Works – Unexpected Finds

- Removal of potential hazardous material will be undertaken in accordance with requirements outlined within the pre-demolition hazardous material report.
- Complete regular visual assessments of demolition waste types, and clarification of waste types, for segregation and stockpiling.

3.8 Existing Services

It has been identified that there are several existing utilities which run through and around the site and

must be taken into consideration. The following is a non-exhaustive list:

- Existing right of way to the northwest of site leading to the existing sub-station for unknown services.
- Sydney Water Sewer Mains.
- Fire Services along Edinburgh Road boundary.
- Underground electrical power throughout the site.
- Belowground Stormwater Culvert cutting the site east to west.
- Storm water pipes along the south and west boundary.
- Telstra services along Edinburgh Road.
- Gas services (HP) along Edinburgh Road with gas mains noted on site.
- Water along Edinburgh Road and Sydney Steel Street.

3.9 Existing Trees

An Arborist report has been prepared by Naturally Trees Arboricultural Consulting. Their initial report along with landscape documentation by Site Image identifies trees to be removed and retained, refer to Annexure E. Trees along Edinburgh Road are to be excluded from the demolition scope, as these will be maintained until future building works commence.

3.10 No-Go Areas for Machine's

Existing stormwater infrastructure is to be protected using concrete barriers with an access point via steel road plates.



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4 - Site Setup and Materials Handling

4.1 Site Office

Site sheds and the site office will be set up in the north-western corner of the site - a highly visible and easily accessible location. When appropriately established, the office building may then be used as a temporary site office.

4.2 Hoardings and Gantries

Scaffold B Class hoarding will be used to separate the live construction site to the public, prior to the demolition works. The selected hoarding type, built to standards produced by SafeWork and the Inner West Council, will enclose all site boundaries and where required, provide protection to adjoining buildings. A gantry over a nearby bus stop on Edinburgh Road may be required.

4.3 Traffic Management

Central Civil (NSW) will prepare a detailed Construction Traffic Management Plan. The intent of the plan will be to minimise the impact that the construction site and associated traffic e.g., movement of vehicles involved in transport of demolished materials, movement of vehicles involved in handling and installation of materials, movement and parking of site personnel vehicles etc. has on the local area. Possible cumulative impact of construction in the area will be taken into consideration and, where possible, the vast area of the site will be fully taken advantage of to reduce stress to public roadways.

If required, the Construction Traffic Management Plan will be updated as necessary to reflect anticipated changes to the site's configuration and demolition methodology.

Traffic will generally be managed in the following way:

- Designated transport routes will be communicated to all personnel and enforced.
- Designated peak hour and non-peak hour delivery vehicle waiting areas.
- Strict scheduling of vehicle movement will occur to minimise off site waiting times.
- On-site parking will be made available to site workers to minimise occupancy of publicly available street parking surrounding the site. Further, where possible, the use of public transport and car sharing will be encouraged.
- Vehicle movements will be compliant with any relevant Conditions of Consent and broader road-use regulations, particularly regarding hours of work, materials loading and unloading, and over size deliveries and installation.
- Stakeholder feedback.

A suitable vehicle hold/staging point will be nominated on the site area to facilitate the coordination as deliveries arrive and are unloaded.

Due to the scale of the site, it is expected that trucks will be able to move in forward directions both when entering and exiting the site reducing risk of accidents and increasing efficiency of deliveries.

4.4 Street Closures

For works to be completed safely, some temporary street closures may be required. These closures will be well planned by Central Civil (NSW), with approvals sought from relevant Authorities. Activities that may require a street closure include scaffold and hoarding erection and dismantling and installation of major plant. Wherever possible these closures will be scheduled for non-peak times. A specific management plan will be established to ensure the best possible outcome.

4.5 Pedestrian Safety and Site Access

The site frontages on both Edinburgh Road and Sydney Steel Road with both being relatively low pedestrian activity zones. However, pedestrian access will be maintained along both roads at all times and will be managed by Traffic Control.

Pedestrian direction signs will be installed on both primary and secondary frontages to advise road users of changed traffic conditions. Additionally, no unauthorized personnel will be permitted within the site unless accompanied by the site supervisor.

In accordance with OH&S requirements all visitors accessing the site will be required to wear PPE to ensure that they are visible to moving traffic.

4.6 Emergency Vehicle Access and Police Vehicles

During all stages of demolition, care will be taken to ensure there is no disruption to the path of emergency vehicles on the public roadways bounding the site. Central Civil (NSW) will be responsible for coordinating deliveries to site to minimise disruption to emergency vehicle movements along Edinburgh Road and Sydney Steel Road.

4.7 Site Security

Central Civil (NSW) will provide the following services:

- Central Civil (NSW) will monitor the entry and exit of all personnel during site working hours.
- Workplace Health & Safety – Central Civil (NSW) will monitor the entry of subcontractors and check that those entering site are wearing the appropriate PPE for working on a demolition site. They will also issue PPE to visitors entering the site.
- Public Relations – Central Civil (NSW) gate personnel perform an important PR role as they are the face of the site, the first people with whom visitors, passers-by and neighbours have contact.

There are several benefits to the project utilising gate monitoring:

- To control workers and visitors entering the site, to ensure only appropriate personnel are onsite at any given time.
- To comply with statutory requirements - upon entry each subcontractor's insurances are checked to ensure they are valid. If the insurances are not valid, the subcontractor will not be allowed to enter to site.
- To comply with an emergency management plan - a consolidated list of subcontractors, employees and visitors to the site. In the case of an emergency, there is a list of names to check off at the emergency evacuation point.
- Ensure all vehicles coming on site are logged in and out.
- Direct site workforce, visitors and construction vehicles to the designated areas.
- Provide general site security.
- Report any security breaches to the Site Manager.
- Helps to maintain good public relations.

The implementation of these security provisions also ensures general public safety, as these additional site controls ensure there is a clear delineation between the demolition site and the areas open to the public.

4.8 Material Handling

4.8.1 Material and Plant Laydown

To minimise disruption to traffic flow, where possible, material loading/unloading will occur within the site boundary.

All works within the site and associated vehicle movements will be restricted to the permitted operating hours of the site.

4.9 Waste Management

A Waste Management Plan has been developed by Central Civil (NSW) to document the anticipated procedures that will be undertaken to manage the wastes generated as part of the demolition works. It outlines details of quantities, classification, storage, handling and disposal of waste associated with the life of this development.

This plan will be relevant to the ultimate demolition methodology and will acknowledge that a tidy site is a safe site, and this principle will be maintained throughout the demolition duration.

Rubbish bins / skips will be provided at strategic positions around the site, where all subcontractors will be required to clear their rubbish as it accumulates.

A site-specific Waste Minimisation Plan will be developed in accordance with the Environmental Management System to ensure optimum waste management initiatives are implemented.

Central Civil (NSW) will develop a Waste Minimisation Plan that is included as a sub plan of the Environmental Management Plan. The aim of this plan is to work at best practice in minimising the amount of waste produced during the demolition and manage that waste in order to reduce the amount going to landfill.

The Waste Minimisation Plan (WMP) will exceed regulatory requirements and meet compliance with Green Star benchmarks set for the Project.

In setting such high standards and to achieve waste re-use and recycling onsite, the site-specific Waste Minimisation Plan will be implemented. Central Civil (NSW) 's project team will be trained in the WMP and the subcontractors informed on variations to the required changes from the industry 'business-as-usual' approach.

Where space permits, Central Civil (NSW) may also provide specifically labelled recycling bins for materials such as, cardboard and plasterboard to maximise the amount of material able to be recycled. In addition, all subcontractors are responsible for removing their own packaging and other re-usable items such as pallets from site.

Adopting this policy:

- Promotes recycling by subcontractors and suppliers
- Removes unnecessary packaging at the source rather than at site
- Reduces the amount of rubbish being sent to landfill.

4.10 Cumulative Impact

It is acknowledged that there may be multiple construction projects ongoing in this precinct at the same time resulting in a cumulative increase in construction vehicle movement affecting general traffic, bus operations and pedestrian activity if not adequately managed. This Plan aims to minimise this projects contribution to such impact by adopting the high-level principles set out in section 4 to traffic management (pedestrian safety and site access, emergency vehicle access), site security and material handling and waste management.

4.11 Temporary Infrastructure

Temporary water and power will be established to service the requirements of the site during demolition.

4.11.1 Electrical Power

Existing power supply to the buildings to be demolished will be made safe and then used for providing temporary demolition power supplies.

Temporary electrical services including power and lighting will be provided where required for:

- Hoarding lighting
- Temporary power boards on site
- Power for site amenities

4.11.2 Temporary Hydraulics

Temporary hydraulics including cold water, hot water, sewer and drainage will be provided where required to:

- Site toilets, hot water boiler and showers.
- First aid and lunch amenities.
- Site office amenities.

4.11.3 Fire Control Measures

Temporary fire control measures consist of:

- Temporary Fire Hose Reels on water tankers.
- Fire Extinguishers at each temp electrical board, site accommodation and adjacent hot works.
- Hot work permits will be used onsite.
- Site sheds to be constructed from fire rated material.
- Good housekeeping to ensure fire risks are reduced.
- Fire drills included as part of emergency procedures.

05

5 - Adjoining and Neighbouring Owners Management

5.1 Communication

Prior to commencement of works, Central Civil (NSW) will undertake a communication letter drop to surrounding commercial and residential tenants. This will involve an outline of the demolition sequence, together with an overview of the timing of the works.

To ensure ease of communication between all parties, a protocol will be established to define lines of communication and appoint a single point of contact for neighbours.

Points of contact between Central Civil (NSW) 's project team and Stakeholders will be provided with 24-hour contact numbers.

Weekly and/or daily inspections of areas will be organised so potential issues can be identified early and addressed.

5.2 Emergency Contact Details

The initial point of contact for the Project for complaints or emergencies will be the Contractor's Project Manager and the Site Manager.

- Project Manager: Greg Banks

- Site Manager: Ryan Bonakey

The responsible person and contact details will be displayed on the site notice board per current legislation. The responsible person will be available at any time of day or night.

As other key personnel commence onsite, further names and contact numbers will be issued and displayed prominently on-site sign boards.

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6 - Environmental, Heritage & Archaeological Management

6.0 Environmental, Heritage & Archaeological Management

On commencement of site mobilisation, all subcontractors will be inducted into the Environmental Management Plan and all subcontractors will have had their plans audited and approved by Central Civil (NSW).

6.1 Occupational Health and Safety

Central Civil (NSW) will be the nominated as the “Principal Contractor” as required under the OH&S Act. This role will require the careful and controlled management of worker and public safety. Detailed methodologies will be developed, however typical approaches include training, pre-starts, toolbox talks, and implementation of emergency management plans, safe work method statements, weekly OH & S meetings and audits to confirm compliance.

Central Civil (NSW) will be required to report on OH&S statistics on a regular basis and at a minimum with the lodgement of each Progress Claim.

6.2 Hazardous Materials

Consultant survey works have been developed to establish existing site conditions and identify any remediation works that may be required. A Hazardous Materials (Hazmat) survey has been conducted for the existing buildings to be demolished. The results of this investigation did not yield any positive results but due to the nature of the site and previous uses risk of hazardous materials presence is high.

In the event that previously unidentified hazardous materials are uncovered once site works have commenced, the following procedures and principles will be followed:

- Notification to client and project Stakeholders.
- Central Civil (NSW) to develop a remediation management plan.
- Advise the client of the most cost and time efficient solutions whilst adhering to industry best practice standards.
- Agree strategy and commence implementation.

All employees need to be trained in the recognition of asbestos and lead paint as part of their employers Safe Work Method Statements (SWMS). Employees would cease work on discovering any Hazmat not identified in the report and then inform their supervisor who would arrange for the appropriate action to be taken.

General procedures for hazardous materials removal (including asbestos) will usually be carried out according to Standards or best practice, but often specific details and procedures will be developed upon material identification. Detailed work method statements will be produced identifying processes such as:

- The area to be decontaminated to be isolated at a minimum 10 metre radius.
- Asbestos warning signage to be erected to inform people of the nature of the work being carried out.
- ‘No Unauthorised Access’ signage to be erected.
- Water points to be established for dampening down dust.
- Personal Protective Equipment (PPE) including but not limited to Hard Hat, Safety Boots, Disposable Coveralls to the required Standard, Gloves, Respirators/Face Masks to the required Standard and worn at all times when in the Hazmat removal zone.
- All personnel involved in the removal of asbestos to have attended and completed the approved Workcover courses and to be the holders of valid Work Cover approved asbestos removal licenses.
- Tools and equipment appropriate to the type of asbestos containing material to be used for its removal in order to minimise the disturbance of the material thus preventing the release of fibres.
- Where appropriate, water is to be used to keep the material slightly damp thus minimising the chances of dust and fibres being released.
- All asbestos waste to be wrapped in 200µm plastic and tightly secured with Asbestos warning labels attached.
- All asbestos waste is to be removed from site and disposed at a licensed EPA asbestos disposal facility.
- Asbestos waste is to be removed at the end of each shift. Stockpiling of asbestos will not be permitted.

- Clearance certificates to be provided on completion of Hazmat removal, including any air quality monitoring clearance certificates if asbestos has been removed in confined spaces.

6.3 Site Remediation

Consultant survey works have already been carried out to establish existing site conditions and to identify any remediation works that may be required. Although hazardous materials have not been identified, it is still anticipated that remediation works will be required. Central Civil (NSW) will develop procedures to ensure safe removal of the hazards and remediation of the site before demolition commences. Processes required are outlined below:

- Notify client and project Stakeholders
- Develop a Remediation Management Plan
- Advise the client of efficient solutions according to industry best practice standards
- Agree strategy and commence documentation of DSA (Disruption Shutdown Applications)
- Communicate DSA to all Stakeholders
- Validation of Remediation Action Plan upon completion of hazardous material removal.
- Hazardous substances supplied to the project will be approved for use and accompanied by a current Material Safety Data Sheet (MSDS). All hazardous substances will be registered, correctly stored, decanted, used and disposed in accordance with the MSDS and regulatory requirements. Employees will be trained in the Safe Work Method Statement (SWMS) based on the MSDS and provided with the appropriate Personal Protective Equipment (PPE).

6.4 Council Assets and Infrastructure

The protection of all council infrastructure including trees, overhead cables, and existing services will be managed to ensure that all infrastructure is maintained, and in the same condition at the completion of the project.

The following protection procedure will be adopted by Central Civil (NSW) :

- Ensure all existing services are identified, and terminated or diverted as appropriate
- Ensure movement or placement of construction plant does not damage infrastructure
- 7 days prior to beginning the demolition, advise adjoining and nearby properties of commencement date, possible disruptions and approximate construction time.

6.5 Site Discharge

Any discharges from the site will be strictly controlled to ensure hazardous materials and contaminants are contained to authority requirements and do not pollute the council storm water system. Central Civil (NSW) will have within its standard procedures, the requirement of spill kits for hazardous materials also including environmental audits that review the usage and storage of hazardous materials onsite.

6.6 Truck Wash Facilities

A truck wash facility will be required onsite at truck access/egress points in Sydney Steel Road and/or Edinburgh Road. Construction zones will be kept clean at all times to ensure tyres of trucks and vehicles exit in the same condition that they have entered with the use of a rumble grid.

6.7 Silt Protection Maintenance of Roads

A stormwater and sediment control plan will be developed by Central Civil (NSW) to ensure that stormwater from the project does not enter adjoining properties or access roads and that no water entering the council stormwater system contains silt or other contaminants.

The stormwater and sediment control plan includes, but is not limited to, providing further detail to the below key control measures:

- Extent/location of silt protection to be installed.
- Regular weekly checks of silt fences, and the like.
- Specific checks after any significant storm event to ensure integrity and performance of silt protection.

- Sediment fences to be repaired as required and excessive sediment deposits will be removed.
- Maintenance and cleaning of adjoining and surrounding access roads.

6.8 Ecological Sustainability

Survey by consultant ecologist has noted that there is potential presence of microbats in the vicinity of the site.

In line with the ecologist's recommendations, a policy is currently under development for the situation where unexpected finds/encounters with microbats are reported.

6.9 Dust Control

Dust control will be implemented in areas of all active demolition. Dust control will also be implemented within the demolition zone as determined by Central Civil (NSW), and as required for the health and safety of employees.

All works will be undertaken in accordance with a 'Construction Air Quality' sub-plan as part of the Environmental Management Plan. Dust control measures will be implemented as required, and in accordance with Protection of the New South Wales Environment Operations Act.

Dust management will be most critical during the demolition phase of the project. All subcontractors involved with these works will be required to provide Environmental Work Method Statements that specifically address dust management.

Methods of reducing dust that will be implemented are:

- Reduce quantum of demolition "breaker" work by cutting structural demolition elements into larger sections for removal by earth moving equipment.
- Encapsulating work zones through the construction of engineer designed full height dust proof structures / hoardings.
- Reviewing tool and plant selection to select plant with superior acoustic performance.
- Utilising concrete saw cutting techniques to reduce dust generation.
- Continuous cleaning throughout dust generating work activities.
- Ensuring demolition debris skips are always covered.
- Demolition - Working surfaces will be watered down as required with stock piling of material minimised.
- Plant movement will be minimised with all loads covered before exiting the site and a stabilised driveway maintained.

6.10 Noise and Vibration Management

Particular care will need to be taken during the demolition of each phase of the project to control noise and vibration. A forecast of the potential impacts of noise and vibration along with an evaluation of works/activities during the demolition of the project has been commissioned by Central Civil (NSW).

This will be documented in a Construction Noise and Management Plan produced by an appropriately qualified Acoustic Consultant. The report outlines the feasibility for noise and vibration impacts to be controlled and minimised through certain measures.

Methodologies and plant selection for demolition will be reviewed to determine the most practical and programme-effective solutions for these works. This active approach will mitigate the potential for human discomfort and noise and vibration disruptions to surrounding key Stakeholders.

Prior to the commencement of any works onsite a noise and vibration management plan will be developed by Central Civil (NSW) to develop strategies for the mitigation of noise and vibration generated by the works.

In order to help meet the noise and vibration requirements of the site, baseline testing will be carried out and existing operational levels identified. Early identification of baseline levels will enable subcontractor

methodologies to be specifically tailored to ensure the benchmarks are not exceeded. Vibration and noise generating activities will be coordinated and undertaken in consultation with the appropriate parties and carried out during the subsequent agreed periods.

Work methodologies and plant selection will be reviewed to mitigate the potential for noise and vibration from the new works.

Work practices that minimise noise and vibration will be used wherever possible. These include but are not limited to the following:

- Flexible working hours avoiding noisy work during peak business operation times.
- Plant and equipment selection to reduce noise where possible.
- Plant and equipment fitted with silencers where possible.
- Acoustic testing of proposed methodologies prior to commencing work.
- Erection of temporary screens to encapsulate dust and noise.
- Diligent housekeeping to minimise the generation of dust.
- Methodology development aimed at finding alternatives capable of reducing noise and vibration where possible.
- Location of major plant such as crushers away from noise and vibration sensitive areas where possible.

The following items outline some of Central Civil (NSW) 's key control measures which will be applied during the demolition phase to assist with noise reduction:

- Plant known to emit noise strongly in one direction would, where possible, be orientated so that noise is directed away from noise sensitive areas.
- Machines fitted with engine covers would be kept closed when not operating.
- The height materials are placed into trucks would be limited where possible.
- Stationary and mobile equipment including offsite vehicles would be maintained regularly.
- Operation would be limited to occur within the approved hours.
- Continuous training through inductions and ongoing meetings would be provided for operators, labourers, subcontractors and supervisors, to keep minimal noise impacts on local residents and businesses top of mind.
- Notifications of particularly noisy works would be undertaken prior to any planned works commencing.

This would include either personal or community meetings with adjoining properties owners and/or tenants, this process will be undertaken in particular prior to the demolition phase of the project.

- Regular servicing of equipment, or when an individual plant item is identified as being particularly noisy, would be conducted.
- A construction noise monitoring plan for the demolition period prior to commencing works would be designed and implemented.
- All complaints in relation to noise would be monitored and recorded.
- An onsite person would be identified as the contact point in the event of noise complaints with contact details provided within the Construction Environmental Management Plan.

6.11 Monitoring of Noise and Vibration

Central Civil (NSW) will engage an independent acoustic / vibration consultant to install and monitor noise and vibration logging equipment at suitable locations. These monitors will be calibrated and programmed to an agreed level with an alarm being triggered in the event of vibration or noise exceeding the acceptable range.

This alarm will automatically page the nominated Central Civil (NSW) officer. In the event of such an incident, works will cease in the specific area and be reviewed and if appropriate, alternate methods will be adopted.

Noise monitoring will be undertaken to monitor and help minimise demolition noise in order to avoid discomfort to the building occupants and their cliental, the public, and occupants of surrounding premises.

The specific noise and vibration monitoring methods that will be used will be outlined in Central Civil (NSW)'s Construction Noise and Vibration Management Plan.

- Unmanned Noise Monitors.
- These monitors are programmed to notify 'back to base' and alarm locally whenever noise exceeds the required level. They are also linked back to software programs that are used for monthly noise reports and specific incident reporting.
- Locations for the monitors are selected strategically based on assessment of the nearest affected receivers.
- Should they be installed in an unsecure location, typically the noise monitoring equipment would be housed in a steel cage to prevent damage, theft or vandalism.
- Manned Noise Monitors.
- Manned noise monitoring will be undertaken to assess specific and new work methodologies when required.
- Construction methods will be reviewed and changed if required by Central Civil (NSW).
- Noise Reports will be prepared on an as required basis, but at a minimum monthly.
- Community Liaison will be carried out if required by Central Civil (NSW) to address any community concerns regarding noise.
- Vibration Monitoring
 - Vibration monitoring during the demolition phase will be undertaken in order to monitor potential human discomfort and potential structural damage in and around the existing buildings.
 - Upon establishment of the required vibration monitoring equipment, monitoring will be carried out on a regular basis to ensure work is being undertaken within the agreed vibration levels. Working hours, work methods and site practices will be reviewed accordingly.
 - Vibration monitoring reports will be prepared on an as required basis i.e. monthly or incident reporting.

6.12 Heritage and Archaeology

The site is not located in an area which the Heritage consultant considers archaeological investigation could be required. However, an Aboriginal Cultural Heritage Assessment (ACHA) Policy is under development in the unlikely event that any unexpected finds are uncovered.

Should any archaeological investigation be required, then the Contractor will be responsible for employing suitably qualified and experienced archaeological consultants to perform site investigations and recovery of items of heritage or archaeological significance.

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7 - Management Control

7. Management Control

7.1 Systems

Functional and technical control of the Project will be guided by Central Civil (NSW)'s IMS and the Contract. The IMS is the key project control system utilized by Central Civil (NSW) in the execution of the Project. In order to maintain effective, consistent and timely control of all activities and complete the project according to budget and schedule, Central Civil (NSW) will apply IMS procedures for program/project control and reporting, and in accordance with the contract, Central Civil (NSW) will work with the Principal to maintain this CMP to track and integrate the following critical control elements of the Project:

Central Civil (NSW) will use the following tools to perform facilitate Demolition Activities:

- Microsoft Project.
- Internal Cost Management
- PO/ Procurement Management
- Subcontractor Compliance and pre-qualification
- Plant & Equipment Maintenance Management
- Project Communications.
- Central Civil (NSW) Internal Induction (including subcontractors)
- Demolition Risk Assessment Workshop
- Subscriptions - Identification of Legislation, Standards, Codes of Practice to ensure Planned Methods are compliant before proceeding
 - WorkSafe Legislation Library - to identify all applicable legislation to demolition activities
 - Australian Standards online - to identify all applicable standards to demolition activities
 - MSDS & Chemical Risk Assessment

7.2 Program

Central Civil (NSW)'s Program will be submitted to the Principal as required under the Contract. The initial and all subsequent versions of Central Civil (NSW)'s Program will meet the following general requirements of the Principal Contract.

7.2.1 Program Tool – Microsoft Project

- I. Identify the Dates for Completion of each Portion and demonstrate how Central Civil (NSW) will achieve Completion of each Portion by the relevant Date for Completion.
- II. Identify the full scope of Central Civil (NSW)'s activities, and any Temporary Works including items such as traffic management, mobilisation, site establishment, interface management, review periods.
- III. Minimise the use of positive or negative lags between activities by replacing lags with activities.
- IV. Not constrain the networks so as to prevent the program from reacting dynamically to changes.
- V. Include details on programming contingencies, providing rationale for the applied program contingency amount.
- VI. Be based on a time-scaled calendar in units of one week and identify working days, non-working days, shifts, statutory holidays, rostered days off, Christmas shutdown and any other shutdowns.
- VII. Break down all activities into periods of no greater than four weeks with sufficient details to allow accurate monitoring of the progress of Central Civil (NSW)'s activities.
- VIII. Identify access and handover dates, staging and sequences of design and construction activities, other significant events, the critical path and the float relating to activities not on the critical path.
- IX. Differentiate between the work to be undertaken by Central Civil (NSW) and the work to be undertaken by its Subcontractors.
- X. Identify all significant external events activities that have a bearing on time required to complete the Contractor's Activities.
- XI. Identify all staging of Central Civil (NSW)'s activities and all external interfaces that:
 - Impact on Central Civil (NSW)'s activities.
 - Impact on the activities of the follow-on Contractor; and
 - Provide opportunities for the follow-on Contractor to commence work earlier.
- XII. Be submitted in electronic format which will:
 - Include electronic format for publishing in Adobe Acrobat pdf files.

7.2.2 Status Program

Central Civil (NSW) will submit monthly updates of the Program to the Principal on the 7th Business Day of each calendar month. Central Civil (NSW)'s updates will include progress information to the end of the preceding calendar month.

Central Civil (NSW)'s monthly updates of Central Civil (NSW)'s Program will include:

- I. The actual progress of activities based on the physical work completed.
- II. The remaining duration, actual start, and actual finish for progressed and completed activities.
- III. Clearly identifiable activities supporting progress payments, key milestones, and Portions.
- IV. Clearly identifiable amount of program contingency available for each Contract Portion.

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8 - Demolition

8. Demolition

8.1 Planning Phase

Central Civil (NSW) has a detailed and extensive Planning Process prior to commencing of any demolition works.

Submission and completion of these tasks will be detailed in each Site Program – refer to Appendix Site Programs. This includes:

Phase	Activities	Who	CC Procedures
Response to Tender	<p>Scope Clarification – review Scope of Works and clarify assumptions/ queries</p> <p>INVESTIGATIONS</p> <ul style="list-style-type: none"> • Interface with Public • Adjoining Neighbours and surrounding sensitive receivers • Revision of Site Drawings – review archives to locate AS IS Drawings • Review of Services and Locations - drains, power, gas, sewer, water, communications • Materials of construction – including HAZMAT Report • Type of structural system and sequence of construction used • Key members of structural elements providing stability – in all directions e.g. cores. • Condition of Structure • Site Logistics with regards to Traffic Management <p>Initial Risk Assessment Demolition Work Plan. Program Development Budget Development</p>	Central Civil (NSW) Tender Team – consulting with Unrestricted Supervisor and Engineer as required	Corporate Governance Demolition Management Risk Management
Handover	<p>Formal Project Handover from Tender Team to Delivery Team including:</p> <ul style="list-style-type: none"> • Contract Scope of Works • Contract Program of Works • Demolition Work Plan • Contract Budget for Works • Quality Assurance/ Control Requirements • Human Resource requirements • Communication Protocols with key Stakeholders • Risk Management – Review / Update of Risk Assessment, Review of HAZMAT Register • Procurement of Subcontractors • Permit & Notification Requirements • Council Requirements • DA Conditions 	General Manager issued to Project Team	Risk Management Demolition Management

Phase	Activities	Who	CC Procedures
Project Team Planning	<p>Develop Project Specific Documents and issue for approval:</p> <ul style="list-style-type: none"> • Demolition Work Plan • Project Management Plans • Site Establishment Plans • Safety Management Plans • Environmental Management Plans • HAZMAT Plan • Traffic Management Plans • Emergency Response Plan • Temporary Works Plans • ITPs • SWMS <p>Apply for Project Specific Permits Issue Communications to Neighbouring Properties as per DA requirements Authority Notification of Demolition & HAZMAT Demolition Risk Assessment Workshop Finalise Temporary Works Identify Asset Owners and issue Notifications.</p>	Project Delivery Team in Consultation with Unrestricted Supervisor	Risk Management Demolition Management Consultation & Communication Safety in Design

8.2 Execution Phase

Phase	Activities	Who	CC Procedures
Site Establishment	<p>Establish Site as per Site Establishment Plan – including perimeter/ overhead protection, signage, access, amenities, emergency equipment, storage areas, environmental controls.</p> <p>All site personnel to complete Site Induction All plant to complete Plant Induction HOLD POINT</p>	Central Civil (NSW) Delivery Team	Risk Management Asbestos Management & Removal Induction & Training Demolition Management Consultation & Communication Emergency Response Scaffold Management Traffic Management
Service Disconnection	<p>Disconnection, isolation of Services HOLD POINT</p>	Subcontractor	Service Disconnection, Isolation and Lockout
HAZMAT Removal	<p>Remove HAZMAT Obtain Clearance Certificates HOLD POINT</p>	Subcontractor	Risk Management Asbestos Management & Removal
Demolition	<p>Implement Management Plans & Demolition Work Plans Complete Change Management as Required WITNESS POINT</p>	Collaborative Consultation with Central Civil (NSW) Project Team	Central Civil (NSW) Management System and Procedures Demolition Work Plans
Monitor/ Review	<p>Site Inspections Safe Works Observations Audit WITNESS POINT</p>	Central Civil (NSW) Project Team & QSE Management	Audit Monitoring & Measurement
Demolition Close	<p>Post Conditional Surveys Survey of Service locations Complete Demolition Handover Checklist</p>	Engineer Central Civil (NSW) Project Manager	Demolition Close Procedure

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9 - Quality Management

9 Quality Management

Central Civil (NSW) is in the process of conducting gap analysis and implementation of its Quality Management Plan and Central Civil (NSW)'s Integrated Management System (IMS) leading to Certification to ISO 9001. THE IMS will be implemented across this project.

9.1 Document Reference

Central Civil (NSW) will maintain a register of selected documents that are ongoing importance for reference or monitoring, including but not limited to:

- Development consent conditions.
- The Contract.
- WHS Legislation.
- AS2601 Demolition of Structures.
- Demolition Code of Practice.
- Asbestos Code of Practice.
- AS1576 Scaffold.
- Scaffold Code of Practice.
- Roads Act (NSW) and associated regulations.
- Environmental Planning and Assessment Act.
- AS/NZS ISO 9001 Quality Management Systems.
- AS/NZS ISO 14001 Environmental Management Systems.
- AS/NZS 45001 Safety Management Systems.
- AS/NZS ISO 19011 Guidelines for Quality and / or Environmental Management Systems auditing.
- Relevant Australian Standards.
- Building Code of Australia.
- Authority requirements.
- NSW Code of Practice for Procurement.
- National Heavy Vehicle Legislation.

Central Civil (NSW) will develop and implement Management Plans, SWMS, ITPs, Work Plans that meet the requirements of referenced documents.

Central Civil (NSW) will monitor implementation of these and other through audit schedule.

9.2 Document Records

Throughout the course of the project Central Civil (NSW) will implement Management Plans and Processes that will achieve Contract Deliverables, this will be evidenced through Project Documentation and supporting evidence this will include but not limited to:

- Management Plans
- Demolition Work Plans
- ITPs
- SWMS
- Engineer Design, Verification & Inspection Reports
- HAZMAT Reports, Monitoring & Clearance Certificates
- Service Sign Offs
- Material Disposal
- Demolition Handover Certificates

Central Civil (NSW) will keep a register of all documents developed over the course of the project.

All Project Records will be maintained as per Central Civil (NSW) Integrated Management System - Records.

This will include both Hard Copy and Electronic Filing and Archive process.

9.3 Document Management

9.3.1 Internal

Central Civil (NSW)'s internal document management procedures will be as per the Central Civil (NSW) Integrated Management System.

1. Central Civil (NSW) will establish Electronic Project Folders and Hard Copy Folders as per Document Control Procedure
2. All Hard Copy Controlled Documents issued / received / generated will be filed in appropriate folders
3. Electronic records will be located in Project Folder on Central Civil (NSW) Internal drives as per Document Control Procedure
4. Site Records managed and recorded as per Central Civil (NSW) Document Control Procedure.
5. Records maintained as per Records Management Procedure

9.3.2 External

Central Civil (NSW) will use a format approved by the Principle for the entirety of its activities, as notified by the Principal's Representative. Central Civil (NSW) will carry out all liaison activities within this format, including:

- Creation and responses to all project correspondence.
- Requests for information (RFI).
- Upload of all controlled documents including but not limited to, drawings, specifications, procedures, checklists, management plans, test plans, inspections, Safe Work Method Statements, certificates and schedules.
- Transmittal of documentation to other project participants.

Drawings and shop drawings

Further to issuing and receiving drawings (approved, rejected, or approved with comments) and acting on all transmitted information within the time parameters provided, Central Civil (NSW) will on a weekly basis undertake a review of all drawings and ensure that all items have been actioned.

Correspondence

All correspondence with Principal will be by a format approved by the Principle.

Site instructions (SIs)

SI's will be submitted to Principal representative via a format approved by the Principle. SI response and close out will be logged and recorded.

Request for information (RFI)

RFI's will be submitted to Principal representative via a format approved by the Principle. RFI response and close out will be logged and recorded.

Samples

Samples will be submitted to rep Principal representative via a format approved by the Principle and logged and recorded. The sample will be presented to the necessary consultant and the client for approval, with Principal providing written advice as to its approval. Potential Samples include suspected HAZMAT.

Retention of records

Central Civil (NSW) will comply with Principal requirements for retention of records and with any legislative requirements.

9.4 Design

Central Civil (NSW) will implement its Temporary Works Design Process and will be Site Specific. The Procedure presents the processes for preparation, certification & verification for Temporary Design Works & Methodology.

Temporary Design Process will include Project Planning, Concept Design, Internal Design Review, Structural Engineer Review, Independent Review, Submission to the Principle, Review and Implementation. Demolition Work Plans will list required Temporary Work Design requirements. Site Programs will identify lead and delivery times of Temporary Works Designs including review process.

9.5 Verification

Design Verification will be completed via ITP Process.

Verification of Temporary Works Design Construction will be completed by The Structural Engineer who completed the Design.

This process will be captured in ITP Process.

Central Civil (NSW) will complete Site Inspections as per schedule detailed in Project Health & Safety Plan and will include but not limited to

- 3rd Party Engineering Inspection
- Site Inspections by Competent Person

9.6 ITP

Central Civil (NSW) will prepare a schedule of ITP's and ITP forms that Central Civil (NSW) will use to verify that its activities comply with the Contract. Central Civil (NSW) will submit a monthly schedule showing the status of all ITP's to the Principal's Representative for review, in accordance with the Contract. Where requested, Central Civil (NSW) will submit any ITP to the Principal's Representative for review in accordance with the Contract.

The following ITP's will be used for the project:

- Strip out
- HAZMAT Removal
- Temporary Works

Site Specific Demolition Work Plans will identify ITP requirements based on risk. Further ITP's will be developed as required and will be recorded in ITP Register.

Central Civil (NSW) will prepare a schedule of Witness Points and Hold Points. This schedule will list all proposed Witness and Hold Points and will be kept up to date. The Principal's Representative may at any stage nominate additional Hold Points and Witness Points for inclusion in the ITPs.

Monitoring of ITPs will be through routine/scheduled Site Surveillance – Site Inspections and Audits.

The Principal's Representative, Heritage Representative and the Environmental Representative will be given a minimum of three (3) business days' notice of upcoming Hold Points and Witness Points to allow their attendance. The Principal's Representative, Heritage Representative and the Environmental Representative may nominate persons to attend or witness the release of any Hold Point or to attend any Witness Point. Central Civil (NSW) will assign a nominee for each Hold Point and seek approval for the nominee from the Principal's Representative. Monitoring of ITP will be through Project Health & Safety Management Plan.

9.7 Defects Management

This section describes the procedures to ensure prompt identification and recording of defects, including the process for rectification of these defects.

Where a Defect is Identified, Central Civil (NSW) will complete an Incident Report to investigate cause.

Typical Defects in Demolition can include but not limited to:

- Scaffolding not erected as per design
- Temporary Power not meeting Site Power Requirements.

Through investigation process will identify key stakeholders, Consultation with key stakeholders will determine rectification process.

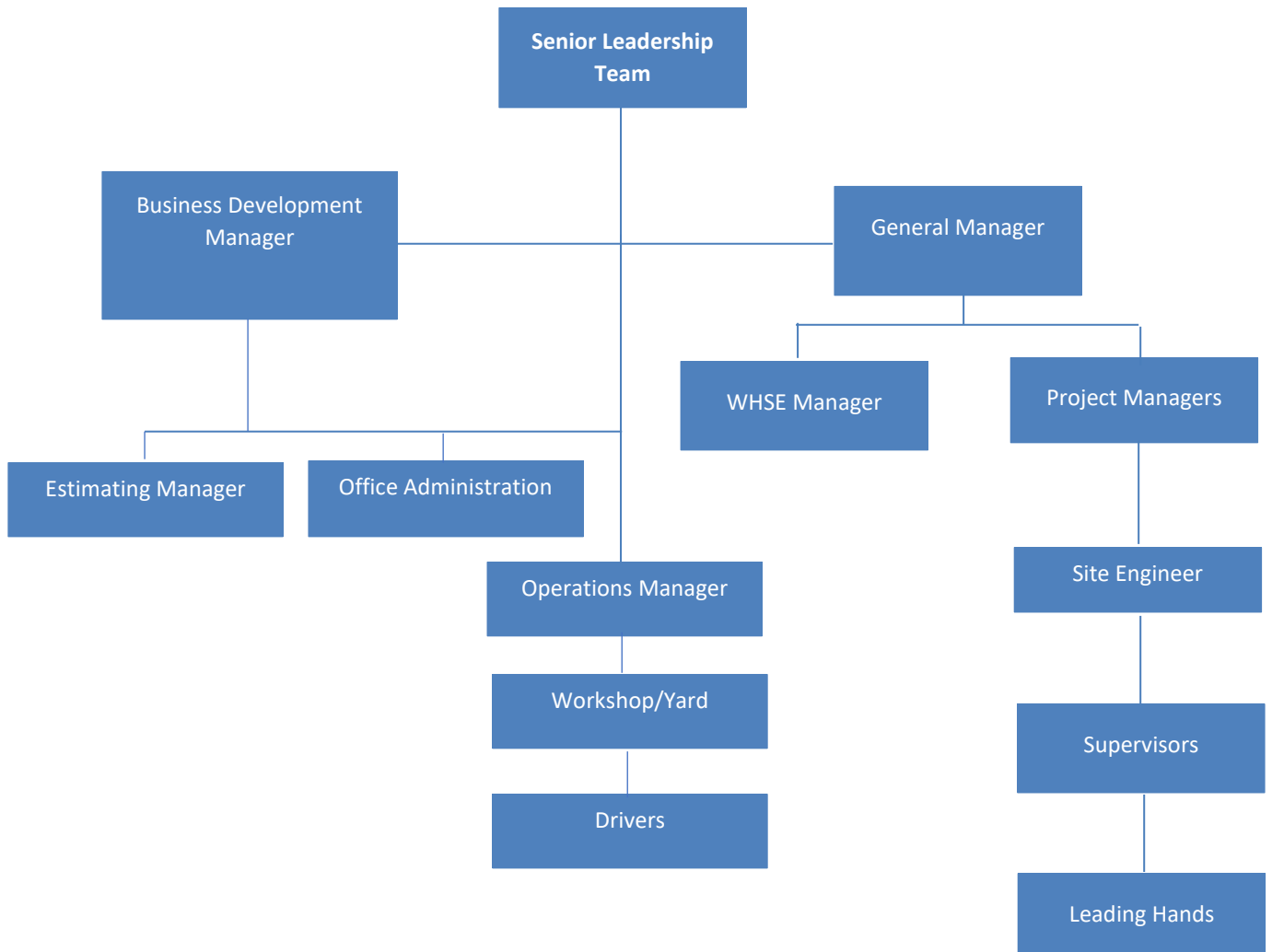
Incident Investigation process as per Project Health & Safety Management Plan.

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10 - Resources

10 Resources

10.1 Organisational Chart-Central Civil (NSW)



10.2 Resources and Plant

Personnel:

Trade	Supervisors	Leading Hands	Frontline Workers	TOTAL
Hazmat	1	0	4	5
Internal Demolition	0	1	4	5
External Demolition	1	1	2	4
Service	1	0	1	2
				16

Mobile Plant:

	Item	Maximum Quantity
1	35 tonne Excavator with operator	2
2	27 tonne Excavator with operator	1
3	14 tonne Excavator with operator	1
4	Elevated Work Platform	1
5	Front End Loader with operator	1
6	Dozer with operator	1
7	Crusher with operator	1

Equipment:

1	Demolition Saw
2	Skid Steer Loader
3	Fire Extinguishers
4	Water Cart
5	Laser Level
6	Hand Tools
7	TBC
8	TBC

10.3 Transport and Logistics

It is proposed to use the following transportation methods to transport materials.

- 12 tonne tipper trucks & 30 tonne truck & dogs (Demolition Waste)
- Rigid trucks (Steel)

Materials will be taken to the following facilities:

- Bingo - Eastern Creek or Veolia - Kemp Creek (Demolition Waste)
- Sell and Parker Metal - Blacktown (Scrap Steel)
- Cleanaway - Kemps Creek (Asbestos Waste)

All trucks exiting the site will have their loads covered with tarps or other approved coverings prior to leaving the site or construction zones. Once loaded the trucks tyres will be inspected to ensure that debris is removed as best as possible prior to leaving the site. In the event that any debris is transported onto the roadways, the use of hand sweeping and road sweepers will be used to clean off the debris as soon as practically possible.

Trucks will transport materials along the fastest route to its end destination. Trucks heading west will either travel along the Parramatta Road onto the M4 or Princess Highway onto the M5 & M7 respectively to its end destination depending on which route has the least amount of traffic. During peak load out sessions, trucks will be staged at the commencement of the day to stagger their starting times. This is to avoid trucks waiting to enter the works zone.

10.4 Roles and Responsibilities

The roles and responsibilities of Central Civil (NSW)'s key personnel during the Project are provided in the following section. An Organisational Chart showing the management relationship for all personnel from the level of Supervisor and above is Section 10.1. Each Position Holder must be inducted and accept responsibility

<p>Position: General Manager Name: Greg Banks</p>	<p>Responsibilities</p> <ul style="list-style-type: none"> • Engaged throughout Central Civil (NSW)'s Activities to ensure that Central Civil (NSW) meets all Contract obligations; and • Central Civil (NSW)'s primary contact with the Principal's Representative on community consultation and stakeholder engagement. • Ultimate Responsibility for Project Delivery • Authorisation of Management Plans • Contractors Representative • Roles & Responsibilities as per Management Plans • Provide guidance and direction to Project Teams
<p>Position: Project Manager Name: Ryan Bonakey</p>	<p>Responsibilities</p> <ul style="list-style-type: none"> • Has the authority to act on behalf of Central Civil (NSW) in respect of the Central Civil (NSW)'s Activities. • Engaged full-time and is on or around the relevant Portion during the Central Civil (NSW)'s Activities. • At all times implement, monitor, report and coordinate Central Civil (NSW)'s Activities including all community, environmental and workplace Requirements. • Co-ordinate all authority consultations and approvals, stakeholder engagement, and mitigation measures. • Co-ordinate and provide access for all Interface Contractors. • Provide information and access for all independent verification, structural, and environmental consultants; and • Manage provisional sum works. • Roles & Responsibilities as per Management Plans • Manage Subcontract Works
<p>Position: Site Manager / Nominated Supervisor Name: Charlie Elias</p>	<p>Responsibilities</p> <ul style="list-style-type: none"> • Full-time on each Demolition Site and Portion during Central Civil (NSW)'s Activities and has the authority to act and implement Central Civil (NSW)'s contractual obligations. • Execute works as per Management Plans, Work Plans, ITPs • Supervision and Site Management • Roles & Responsibilities as per Management Plans • Supervise Subcontract Works
<p>Position: Quality, Safety & Environment Manager Name: Bob Brady</p>	<p>Responsibilities</p> <ul style="list-style-type: none"> • Implementing and maintaining the Safety Management Plan. • Conduct internal audits and inspections of the safety management system • Assist in the implementation of the safety management plan. • Assist where possible to communicate to the workforce including toolbox meetings & inductions • Understand the requirements of the contract. • Providing advice and assistance on safety matters to employees. • Advise when training required. • Ensure that all defects and incidents are identified, actioned and closed out. • Leading by example and promoting sound safety practices at every opportunity. • Regular attendance at on-site meetings to ensure safety related issues are raised for review. • Lead the process of ensuring safety audits undertaken periodically; and • Other safety related duties as directed by the Project Director/GM.

	<ul style="list-style-type: none"> • Roles & Responsibilities as per Management Plans • Audit & Inspect Subcontract Works • The Principal's Representative's primary contact with Central Civil (NSW) on environment matters. • Responsible for all environmental compliance matters associated with Central Civil (NSW)'s Activities. • Responsible for the environment performance of Central Civil (NSW)'s Activities. • Responsible for and has the authority to develop and implement the Construction Environmental Management Plan, including supporting sub-plans. • Has the authority to act freely and independently, to require all reasonable steps to be taken to achieve environmental compliance, to avoid or minimise environmental impacts and to stop the progress of the relevant part of Central Civil (NSW)'s Activities when any non-conformance with the environmental compliance requirements of the Contract is identified. • Conducting internal audits and inspections of the site and compliance with the CEMP and Sub Plans. • Participating in principle led site audits; • Assisting in the implementation of the CEMP. • Understanding the requirements of the contract. • Providing advice and assistance on environmental management matters to employees. • Advising when training is required. • Ensuring that all environmental defects and incidents are identified, actioned and closed out. • Leading by example and promoting sound environmental management practices at every opportunity. • Attending on-site meetings to ensure environmental management related issues are raised for review; and • Other environmental management related duties as directed by the Project Manager. • Roles & Responsibilities as per Management Plans • Audit and Inspect Subcontract Works
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Position: Structural Engineer Design Category A Name: Peter Blacker & Associates	Responsibilities <ul style="list-style-type: none"> • Responsible for all Temporary Works design and compliance matters for Central Civil (NSW)'s Activities including design, monitoring, inspections and certifications associated with Central Civil (NSW)'s Activities. • Certification of demolition works in accordance with AS2601 Demolition of Structures
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11 - Site Control

11 Site Control

11.1 Site Management

The Principle and any other person nominated by the Principle, Authorities, non-inducted employees will be deemed Visitors to site and as such must report to Site Office in the first instance. Principle must comply with all site PPE requirements, signage and conditions of Entry that is posted and communicated during Visitor Access Process.

11.2 Site Mobilisation

Prior to Site Mobilisation - Central Civil (NSW) will develop Site Specific Induction for Personnel. This will include but not limited to:

- Project Introduction
- Scope of Works
- Program
- Subcontract interfaces
- Site Rules, Systems and Processes
- Roles & Responsibilities
- Emergency Procedures
- Comprehension Quiz

All site personnel working on the Site must complete and comprehend site Induction. All non-inducted personnel must be escorted at all times on site by an inducted person/s.

All Mobile Plant mobilising to site will need to provide prior evidence of meeting requirements of Mobile Plant Checklist and Risk Assessments.

Mobile Plant will be recorded on Plant & Equipment Register.

Central Civil (NSW) will establish a communication board, this can include but not limited to:

- Daily Activities
- Access ways
- Haul Roads
- Staging of works
- Hazards of the Day
- Safety Statistics
- Stakeholder Communications
- Covid 19 Risk Assessment Process will be established on site to identify situations that could potentially expose workers to COVID-19. From the findings, a COVID-19 Workplaces Safety Plan will be developed.

11.3 Subcontractor Management

Subcontractors will be treated and have the same expectations as per Central Civil (NSW).

- Subcontractors will be issued Scope of Works, Program, Subcontract, and Project Risk Assessment.
 - Subcontract requirements will be “back to back” where applicable/appropriate, in particular
 - Workforce Development Participation Requirements
 - Training Requirements
 - Fitness for Work
 - Project Health & Safety, Hygiene & Wellbeing
 - Environmental Management
 - Workplace Relations
- Subcontractors will be required to Complete Project Induction Requirements
- Subcontractors will be required to participate and contribute in communication/consultation schedule
- Subcontractors will be required to submit SWMS for all high-risk activities and submit for approval prior to commencing

- Subcontractors will be required to submit ITP for all quality assurance/control activities and submit for approval prior to commencing
- Subcontractors must follow Project Management Plan requirements - Subcontractor Management Plans will be treated as a sub plan to Central Civil (NSW) Management Plans.
- Subcontractors will be subject to audit and surveillance.

Refer to Project Health & Safety Management Plan.

11.4 Subcontractors on Project

Subcontracts to be awarded across the Sites are:

- Hazmat Removal
- Strip-out
- 3rd party engineer

Subcontracts will be awarded following Central Civil (NSW) Procurement procedures including Pre-Qualification process and compliance to NSW Procurement Guidelines.

11.5 Project Communication

11.5.1 Interface Management

Central Civil (NSW) have established an interface management process to ensure effective consultation & communication with key stakeholders, Internal & External.

11.5.2 Internal Communications

Project meetings will be held throughout the duration of the Project, to ensure open and regular internal communication across Work Packages and Portions, and across Central Civil (NSW) internal functions. Function specific meetings are addressed in their respective management plans. Table below outlines the key project meetings.

Internal Meetings Schedule:

Team Meeting	Frequency	Attendees
Project Pre-Start	Daily	Site Delivery Team including Subcontractors.
Project Logistics Meeting	Daily	Crane, Transport, Site Manager
Project Toolbox	Weekly	Central Civil (NSW) & Subcontractors Project Management Teams
Project Coordination Meetings	Weekly	Central Civil (NSW) & Subcontractors Project Management Teams
Project GM's meetings	Weekly	Central Civil (NSW) Project Management Team
Management review meetings	Monthly (ahead of Monthly Report to the Principal)	Central Civil (NSW) General Manager & Project Manager

11.5.3 External Communications

11.5.3.1 Communication with Principle

External project meetings will be held to ensure open and regular communication with key stakeholders in the Project.

Monthly progress meetings will be held with the Principal and will be attended by:

- The Central Civil (NSW) General Manager (or delegate).
- The Central Civil (NSW) Project Manager.
- The Principal's Representative (or delegate).
- Any Subcontractor required by the Principal's Representative; and

- Any other Project person or stakeholder requested by the Principal’s Representative.

Electronic Communication will be used for all written communications between Central Civil (NSW) and the Principal.

11.5.3.2 Notifications

Notifications:

- SafeWork NSW for Demolition – Central Civil (NSW)
- SafeWork NSW for Asbestos Removal - Central Civil (NSW)
- Hoardings – Central Civil (NSW)
- Council DA/CC – Principle
- Occupancy Permits – Principle
- Asset Owners – Principle
- Neighbours – Central Civil (NSW)

Permits:

- Hoarding – Central Civil (NSW)
- Traffic permits – Central Civil (NSW)
- Footpath – Central Civil (NSW)
- Out of Hours – Central Civil (NSW)

Table provides a summary of the key groups of stakeholders and the methods of communication with them.

Stakeholder	Communication Method
The Principal	Meetings, correspondence, email. A Prescribed Electronic Portal to be used for all formal correspondence.
Government agencies and authorities	Co-ordination meetings. Specifically nominated authority contacts.
Local Government	Meetings, correspondence. Specifically nominated Council contacts
Utility providers	Meetings, correspondence, email.
Local businesses	Other aspects managed by the Principal Placement Officer.
Local residents	Other aspects managed by the Principal Placement Officer.
Sensitive community facilities	Other aspects managed by the Principal Placement Officer.
Other contractors	Interface and coordination meetings as required.
Elected members of Local, State and Federal Government	No direct contact. Managed by the Principal
Media	No direct contact. Managed by the Principal

11.5.3.3 Complaint Management

Central Civil (NSW) have an established Complaints Handling Procedure as part of IMS.

Noting that Central Civil (NSW) is the principle and as such will manage all complaints in the first instance.

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12 - Management Plans

12 Management Plans

The CMP is the overarching plan in the set of Project plans.

The supporting plans emphasise various Project activities and responsibilities. The CMP and the other plans are provided below, along with the relevant Contract requirements and the details of the person responsible for developing and updating each Management Plan.

To Deliver Contract Works, Central Civil (NSW) will utilise the framework of its Management System for Planning, Executing, Monitoring/Review, Report, Act. – Quality Framework.

Central Civil (NSW) will conduct a Formal Handover from Bid Team to Delivery Team. Project Team will develop Project Management Plans and once approved will be responsible for executing and reporting on Plan implementation.

Central Civil (NSW) maintains an Integrated Management System to meet the requirements of ISO 9001, ISO 14001, and AS/NZS 45001.

Central Civil (NSW) will prepare the various Management Plans and submit to the Principal's Representative for review and comment to enable specific knowledge and experience of the Principal to be utilised in the development of the Management Plans.

Central Civil (NSW) will interface with the Principal's Representative via informal meetings to enable specific knowledge and experience of the Principal to be utilised in the development of the Management Plans.

The process for approval of Management Plans will be

1. Central Civil (NSW) Draft of Management Plan
2. Central Civil (NSW) Internal Review/Update
3. Central Civil (NSW) to Issue Informally to Principles Representative for Comment
4. Central Civil (NSW) to Update Plans as per comment (repeat step 3 if required)
5. Central Civil (NSW) to Issue Management Plan to The Principles Representative for Initial Submission
6. Principle Representative to complete Review
 - Central Civil (NSW) to Update Plans if required and resubmit for approval
7. Principle approves plan, the management system documents will be controlled and communicated using the Project's document control system.

12.1 Quality Management Plan

Central Civil (NSW) will develop a project specific Quality Management Plan (QMP) that will meet the requirements of Central Civil (NSW) Integrated Management System.

12.2 Safety Management Plan

Central Civil (NSW) will develop a project specific Project Health, Safety, Environment and Quality Management Plan (HSEQMP).

12.3 Environmental Management Plan

Central Civil (NSW) will develop a Project specific Construction Environmental Management Plan (CEMP).

12.4 Hazmat Management Plan

Prior to any works commencing on the project a review of the hazardous materials survey will be completed for each project/site location.

The materials identified in the hazardous materials survey on the project will be removed as detailed in specific HAZMAT Removal/Control Plan prior to any further works in the immediate area can occur.

A clearance certificate will be provided for the works completed as per the reports. If further HAZMAT is identified Central Civil (NSW) Unexpected Finds Procedure is to be followed.

12.5 Monthly Reporting

Central Civil (NSW) will develop a project/site specific Project Monthly Report

12.6 Audits and Surveillance

Central Civil (NSW) audits its Contract Requirements & HSEQ procedures on a monthly basis as per its Integrated Management System Audit Schedule to ensure effective implementation and identify areas of improvement.

Central Civil (NSW) will participate in Principle Audit & Surveillance Programs.

At an Internal project level, Central Civil (NSW) will undertake Project Audits to ensure implementation of Project specific management plans and procedures.

1 st Audit	Within first month on site – Project Start Up Audit
Follow-up Audits	Monthly after the Project Start Up Audit

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13 - Conclusion

13.1 Conclusion

This Construction Environmental Management Plan demonstrates the demolition involved for this development has been well considered and the environmental impact associated can be managed and minimised. Despite the site's proximity to areas with sensitivity to acoustic and vibration disturbance, potential contamination, other site-specific limitations and common concerns associated with demolition works, this Plan in reference to other plans (e.g. Waste Management Plan, Construction Noise and Vibration Management Plan, Aboriginal Cultural Heritage Assessment (ACHA) Policy, Ecological Policy etc.), has demonstrated the ability for this development to handle both expected barriers and unexpected circumstances/events during demolition and ultimately result in a considered response.

Furthermore, this plan validates the intent to ensure all demolition is properly facilitated, integrated, and coordinated to deliver certainty to the objectives of the Project but also satisfies key surrounding Stakeholders and Authorities. It forms the basis of the expected objectives of the development in its demolition phase and the expectations of Central Civil (NSW) or and demolition management team.

Appendix

Appendix

Appendix	Title
A	Health, Safety, Environment and Quality Management Plan (HSEQ)
B	Noise and Vibration Management Plan
C	Sediment Control Plan
D	Waste Management Plan
E	Aboriginal Cultural Heritage Research Design and Excavation Methodology
F	Final Remediation Action Plan
G	Environmental Management Plan
H	Traffic Management Plan
I	Site Program
J	AS2601 Demolition of Structures Engineers Compliance Notification
K	Aboriginal Cultural Heritage Assessment (ACHA)
L	Company Policies
M	Flood Emergency Response Management Plan