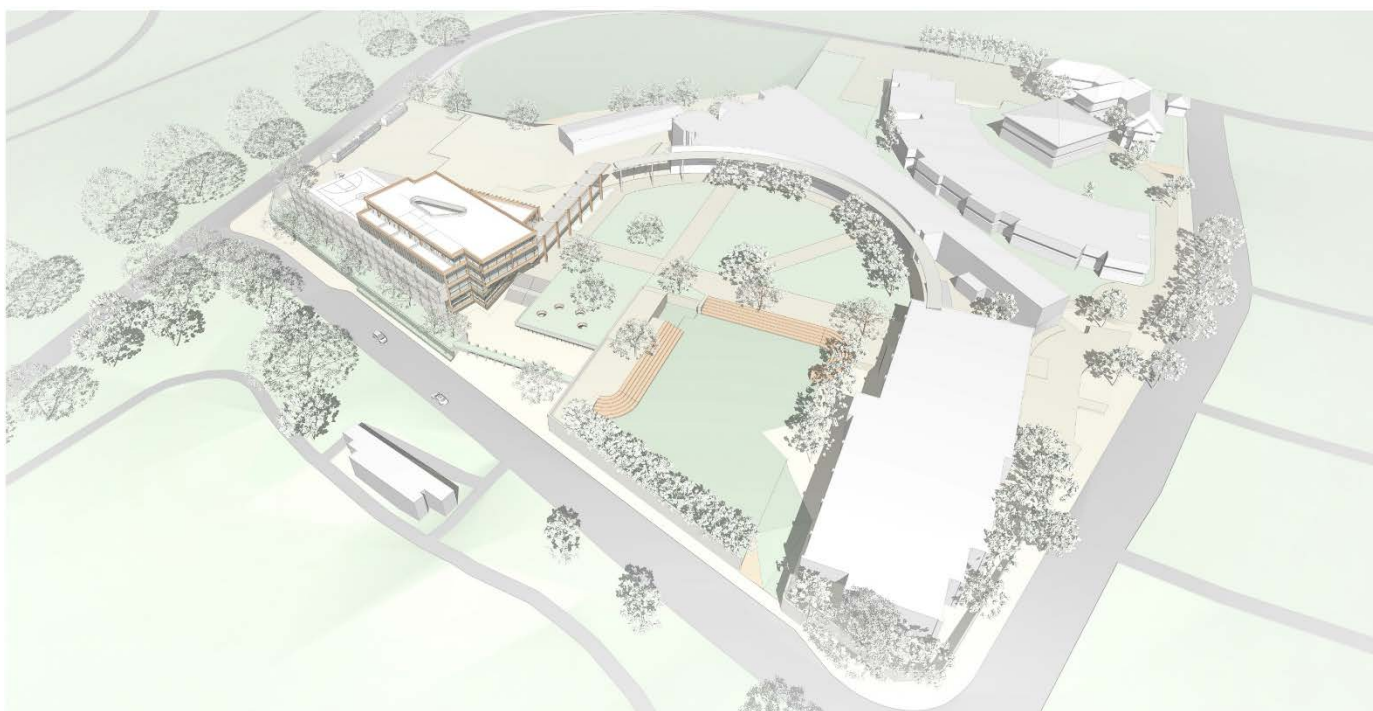

Moriah College Queens Park, Preliminary Construction Environment Management Plan

October 11, 2019



Prepared By:



Client:



Moriah College
בית ספר הר המוריה

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1. Background

1.1. Introduction

On behalf of the Principal, Moriah College, Aver Pty Ltd has prepared this Preliminary Construction Environment Management Plan (**the Plan**) for the construction of the new Moriah College buildings on Queens Park Road, Queens Park NSW 2022.

The objective of this document is to serve as a point of reference for the Principal Contractor in respect to the execution of the Works. The contents may be amended from time to time following the appointment of the Principal Contractor and prior to commencing works on site and in consultation with the consent authority as required.

1.2. Development Overview

The proposal seeks consent for:

- Staged demolition of existing buildings A, B, C, D, J, E and removal of demountable buildings S, D, Z.
- Staged construction of new school buildings.
- **Stage 1a & 1b** - Construction of a part 3 and part 4 storey STEAM building containing:
 - science, technology, engineering, art and maths rooms
 - technology and applied science rooms
 - administration offices
 - canteen and cafe
 - independent learning centre (library)
 - meeting rooms and auditorium
 - enhanced pedestrian entry at Gate 3A off Baronga Ave
 - basement parking for staff, waste management and storage rooms
 - modified vehicular circulation internal to the site
 - Redesign of the York Road Gate 4 parking area to create improved circulation and on site staff parking
- **Stage 2** - Construction of a 3 storey Early Learning Centre (ELC) building and administration offices.
- Student population increase.
- Modification to internal traffic and parking on the site.
- Active and passive landscape upgrades to the site.
- Removal of trees.

The site is legally described as 101 York Road, Queens Park/ Lot 22 DP 879582, 1 Queens Park Road, Queens Park/ Lot 1 DP 701512 and 3 Queens Park Road, Queens Park/ Lot 3 DP 701512 (refer to Figure 2).

In a broader context the Site is surrounded by Centennial Park and Queens Park and singular 1-2 storey residential dwellings on Queens Park Road.

The locational context of the Site is shown Figure 1 whilst the site boundaries and existing site features are shown in Figure1 and 2. .



Figure 1 - Site Lots



Figure 2 - Area subject to physical works

2. The Construction Management Plan

The Plan covers the following areas of the Works:

- Site establishment;
- Public property and vegetation protection;
- Construction methodology and sequence;
- Environmental management (noise/vibration/dust) principles;
- Construction and demolition waste management principles;
- Traffic and pedestrian management;
- Sediment and erosion control principles;
- Workplace Health and Safety Plan principles; and
- Quality management system principles.

All tasks undertaken in relation to the project whether they be physical construction activities, office duties or procedural tasks are to be undertaken in accordance with the following:

1. Suppliers and contractors shall provide assurance of the quality of all goods, materials and services to be provided; and
2. All materials and works are to be undertaken to the manufacturer's specification or industry standards.

Moriah College has engaged various consultants to assist in the investigation planning and state significant development application process. Other reports and plans to read in conjunction with this Plan include:

- Architectural Plans: FJMT
- Traffic Report: TTPP
- Hazardous Materials: Banksia EOHS
- Arborist: Botanic Tree Wise People
- Environmental: JBS&G
- Structural: Northrop
- Civil Engineers: JHA Engineers
- Electrical: JHA Engineers
- Acoustic: JHA Engineers
- Aboriginal Heritage: Urbis
- European Heritage: Urbis
- Planner: Urbis
- Surveyor: Hill & Blume
- Waste Management Consultant: Waste Audit

The appointed Principal Contractor will adhere to the *Protection of the Environment Operations Act 1997*.

The principles that underpin this statute are:

- To protect, restore and enhance the quality of the environment in New South Wales, having regard for the need to maintain ecologically sustainable development;
- To provide increased opportunities for public involvement and participation in environment protection;
- To ensure that the community has access to relevant and meaningful information about pollution;
- Pollution prevention and cleaner production;

- Reduction to harmless levels of the discharge of substances likely to cause harm to the environment;
- Reduction in the use of materials and the re-use or recycling of materials;
- Making progressive improvements including the reduction of pollution;
- To rationalise, simplify and strengthen the regulatory framework for environment protection;
- To improve the efficiency of administration of the environment protection legislation; and
- To assist in the achievement of the objectives of the Waste Minimisation and Management Act 1995.

Management measures described in the Plan are to be implemented prior to the commencement of any works including demolition. These management measures are to be maintained throughout the works. A copy of the Plan will be kept on site at all times.

3. Legislative Requirements

The Works will be undertaken in accordance with the following legislative requirements and any other relevant standards and codes not mentioned below:

- Protection of the Environment Operations Act 1997 and Regulations.
- Environmentally Hazardous Chemicals Act 1985.
- Protection of the Environment Administration Act and Regulations.
- Work Health and Safety Act 2011 and relevant codes of practice and Standards.
- Work Health and Safety Regulation 2011 and relevant codes of practice and Standards.
- Australian Standard 2601-2001: Demolition of Structures.
- Code of Practice for the Safe Removal of Asbestos (NOHSC:2002 1998).
- Guide to the Control of Asbestos Hazards in Buildings and Structures (NOHSC:3002 1998).
- Resource and Recovery Act 2001.
- Environmental Planning and Assessment Act 1979 and Regulations.
- Local Government Act 1993.

4. Hours of Operation

Any work activity or activity associated with the development consent shall only be performed during the hours of work: 7am to 6pm Monday to Friday and 8am - 5pm on Saturdays. No work or ancillary activity is permitted on Sundays or Public Holidays. Or the hours prescribed in the development consent (if they differ).

The works will occur within an operating school and therefore the Contractor will work with the school to determine the least disruptive timing.

5. Site Establishment

The following site establishment activities will be carried out:

- Temporary site fencing to secure areas not already secured by existing perimeter fencing
- On-site storage, compounds, site office and amenities
- Connection to temporary services
- Sediment & erosion control measures
- Identification and marking of trees to be retained and/or removed

- Protection of trees that are to be retained.
- Statutory and contact signage.

Please refer to Appendix E which demonstrates the staging plans for Stages 1a, 1b and 2.

6. Public Property Protection

The Site is accessible via the driveway off York Road.

Adequate perimeter signage will be installed identifying construction works are in progress and ensuring that there is no unauthorized entry to site.

Construction vehicle access to the Site is available via the driveway and gate off York Road. The Site gate will be located within the site and will be manned by qualified traffic supervisors at the times of construction vehicular access and egress to the Site. The Site entry location provides a setback ensuring unimpeded ELC and staff access to the York Rd car park during construction.

The proposed public and property protection measures will be reviewed at the time of commencing the Works to ensure alignment with proposed preferred methodologies and sequencing developments and to ensure that the safety of the general public is maintained at all times during the Works.

It will be the responsibility of the contractor to inspect and ensure the gates/hoardings are adequate for their intended use and maintained in good working order.

7. Environmental

The following specific environmental management principles will be implemented on site with environmental performance to be monitored throughout the Works.

7.1. Noise and Vibration

The objectives of the noise and vibration management as directly relating to the development are as follows:

- Minimise the impact of construction generated noises and comply with relevant regulatory criteria
- Ensure noise and vibration impacts are prevented from reoccurring by the successful implementation of control measures
- Prevent damage to adjacent public utilities, structures and buildings resulting from construction vibration
- Control vibration generated from site operations.

Work shall be undertaken in accordance with the Acoustic Report [JHA ...title]. Noise from the Site shall not exceed the limits set out in the Protection of the Environment Act 1997.

All construction works would be carried out in accordance with the following legislative requirements:

- Australian Standard 2436-1981 "Guide to Noise Control on Construction, Maintenance and Demolition Sites".
- Interim Construction Noise Guideline (DECCW, 2009)

The noise and vibration from the use of any plant equipment and/or building services associated with the premises shall not give rise to an offensive noise as defined under the provisions of the Protection of the Environment Act 1997.

As part of the noise mitigation treatment for the project if practicable:

- All trucks and machinery involved in the Works shall be checked for defective exhaust systems and general servicing, to eliminate the impact on adjoining properties and members of the general public.
- Substitution of alternative low noise process
- Placement of work compounds, parking areas, equipment and material stockpile sites away from noise sensitive locations
- Consideration of community when programming intensive noise works
- All vehicles to follow approved routes off site and limit speeds to local requirements
- Regular communication with staff on site to discuss noise minimisation.

7.2. Dust

Effective management will be put in place to mitigate dust emissions in order to maintain acceptable levels. This is to include control measures for site preparation which will remain in place for the duration of the Works, this will include:

- Erection of site fencing to provide appropriate barriers at the site boundary if current site boundary fencing is inadequate.
- Erection of effective screens and barriers around dusty activities. Cleaning of the screens and barriers should be completed as necessary.
- Establishment of a complaints management system to record details of any reason for air quality-based complaints.
- Avoidance of dry sweeping in large areas

Dust control measures for Demolition and Construction Works will include:

- Sheet and screen buildings with suitable material and where possible strip out internals before demolition begins.
- Use of effective water suppression where necessary
- Limit demolition activities that will create dust during times of adverse wind
- Dusty materials should be removed from site as soon as practicable
- Covering of stockpiles
- Trucks are to be fitted with enviro-tarps or similar prior to leaving the loading area
- Wheel washing system for trucks if necessary

Should these measures be undertaken it is expected that dust impacts can be kept at acceptable levels throughout the Works.

7.3. Odour Control

In terms of proposed activity for the Site, odour problems will be minimal. All plant and machinery involved in the Works will be regularly serviced and checked for exhaust emissions.

7.4. Storage of Dangerous Goods

The Works may involve the use of flammable fuels such as petrol, diesel, oxy-acetylene and oils. If required, such items will be stored in a lockable compound, within an appropriately bunded area with sufficient ventilation in accordance with relevant codes of practice and standards.

Material safety data sheets (MSDS) on all flammable and potentially harmful liquids will be provided to the contractor undertaking the Works. Copies of MSDS will be kept in the site office and easily accessible to all construction personnel.

7.5. Erosion and Sediment Control

The site would be managed in accordance with Managing Urban Stormwater - Soils and Construction (Blue Book) and the Protection of the Environment Operations Act 1997 (PoEO Act) by way of implementing appropriate measures to prevent sediment run-off, erosion and excessive dust emanating from the site during construction. Erosion and sediment control measures will be implemented and maintained throughout the construction period in accordance with Appendix T - Erosion and Sediment Control prepared by JHA and will be undertaken to the satisfaction of the principal certifying authority. All necessary erosion and sediment control devices will remain in place until the site has been stabilised and revegetated noting that all disturbed areas are rendered erosion resistant by turfing, mulching, paving or similar.

As a minimum, the following sediment and erosion controls will be implemented as appropriate throughout the duration of construction works:

- A stabilised access point and appropriately located stockpiles, sand, aggregate and other materials capable of being moved by water will be stored clear of any drainage lines, easements, natural watercourses, footpaths, kerbs or roadsides.
- Sediment control fencing and straw bales would be implemented to prevent the migration of soil and weed propagules on the site during construction allowing clean water runoff to be diverted around cleared or exposed areas.
- The site will be continually cleaned of rubble to minimise possible sediment flow during rainfall periods.
- Existing stormwater kerbs and drainage lines will have sediment controls in the form of sedimentation socks as required- as per the sediment control plans.
- Existing stormwater grate inlets will be covered with geo-textile fabric to allow water to enter into drains, whilst retaining sediments - as per the sediment control plans.
- All drainage control devices will be regularly maintained for the duration of the Works particularly during heavy rainfall periods.

7.6. Tree Management

Refer to the Arboricultural Impact Assessment prepared by Botanics Tree Wise people dated 12 September 2019 (refer Appendix U), which identifies the requirements for tree protection and tree removal. Refer also to the development consent for tree removal and protection.

Details of the tree protection measures to be implemented must be detailed and lodged with the Construction Certificate application for approval and shall be in accordance with Section 4 - *Australian Standard AS 4970-2009: Protection of trees on development sites* and the Development Consent. Refer the development consent and the arborist report for tree protection measures.

No trees are to be removed on neighbouring properties or public land without the prior written approval of Council.

7.7. Flood Mitigation

Flood damage and potential environment risks caused by flooding shall be minimized by:

- Providing controlled access points across the site;
- Maintenance of all erosion control measures during the works.

8. Traffic Management Plan

The following Construction Traffic & Pedestrian Management Plan (CTMP) has been prepared by TTPP for the development and covers site establishment, demolition and construction works. The CTMP has been prepared based on the following principles:

- Approvals
- Risk Management
- Site Access
- Site Traffic
- Traffic Access Plan (TAP)

The objectives of this TAP are to:

- Ensure the safety of the travelling public and minimise disruptions to traffic past and through work areas where applicable;
- Ensure the safety of workers entering and exiting the site from nominated locations along the perimeter of the works;
- Minimise the impact of construction activities on the operation of traffic, public transport, pedestrians and cyclists, and;
- Minimise the disruptions and impacts to nearby residents.

The CTMP and TAP are subject to change throughout the course of the project and will be managed as controlled documents by the Contractor. For detail please refer to Appendix EE –Construction Traffic & Pedestrian Management Plan

8.1. Approvals

The development and approval of individual Traffic Control Plans for the Works shall be done in consultation with Waverley Council and shall continue throughout the duration of the Works to ensure the traffic management strategies remain effective.

Contact details for the site shall be provided to the local Police, Emergency Services and Waverley Council in the event of an incident within the work zone.

All works on the road or road related areas are to be clearly delineated and designed in accordance with the relevant standards, refer to "AS 1742.3-2009" and the Roads and Maritime Services "Traffic Control at Worksites (TCAWS) Manual, Version 4.0, 2010"

8.2. Risk Management

Prior to the selection or development of a specific TCP the Contractor's Project Manager shall ensure a location risk assessment is undertaken of the work area in accordance with Clause 4.5 of the Traffic Control at Worksites Manual. These inspections will be undertaken by a suitably qualified person with a copy of the inspection assessment to be saved on site. Work activity risk assessments and the installation of traffic control devices including the activity of controlling traffic shall be done in accordance with the Safe Work Method Statement (SWMS) developed for the project by the Contractor.

The emergency response plan developed for the site by the Contractor shall take into account construction traffic incidents.

8.3. Site Access

Site access will be available during hours of operation as set out above in Section 4 - Hours of Operation.

Access arrangement are as per the Traffic Access Plan. The Traffic Access Plan will be communicated to all workers associated with the project through site familiarisations, toolbox talks, SWMS and pre-shift briefings.

Construction vehicle mitigation measures will include the following:

- Limited parking will be available in the Gate 4 Carpark;
- Waiting zone for the loading of trucks will be established in the Gate 4 carpark adjacent to the hoarding outside of the student drop-off and pick-up times;
- The shortest allowable return route for trucks will be taken

Where applicable, copies of site access plans and site contact details will be provided to suppliers and delivery companies prior to their arrival on site. No queuing or marshalling/parking will be permitted on public streets, unless otherwise approved. Construction vehicles are to radio or call on approach to ensure adequate access to the site is made available. All construction vehicles are required to enter and exit the site in a forward direction, unless otherwise approved.

8.4. Site Traffic

The TCP shall set out detail of signage to be used, delineation such as barriers, cones and/or the location of traffic controllers (if required). Traffic management plans shall be monitored in accordance with the requirements of the Traffic Control at Worksites Manual. A copy of this manual is to be kept on site for reference.

All traffic control safety inspections are to be undertaken by suitably qualified persons and a copy of the project records is to be kept on site for reference.

8.4.1. Construction Vehicle Management

No queuing/marshalling of construction vehicles is to occur on public roads.

Large construction vehicles will be accommodated on site with access/egress associated with this vehicles via Gate 4.

8.4.2. Demolition/Construction Vehicle Routes

Adequate advanced warning and directional signage will be placed upon entry and exit of the site. The signage will direct drivers to the site. Site access and egress will be staged throughout the project.

RMS accredited traffic controllers will be present whilst the site is in operation to assist vehicle and pedestrians into and around the site. All vehicle movements to site will use the aforementioned access points and exit the site in the way detailed within in this document.

As shown in the TAP, vehicles approaching and leaving site shall approach using York Road and will enter and exit via Gate 4.

The following measures would also be adopted for the Works:

- All trucks will be loaded to their prescribed weight limits, within the site boundary and be covered with a tarp (rubbish loads only) prior to exiting the Site.
- All trucks are to be held within the College grounds for the works, with no queueing on public roads to occur.
- Construction workers / tradespersons will be encouraged to utilise public transport and/or car pool with other construction workers.
- All vehicles are to be contained wholly within the site and vehicles must enter the site before stopping. A construction zone will not be permitted on surrounding public roads.
- Establishment and enforcement of appropriate on-site vehicle speed limits;
- Deliveries would be planned to ensure a consistent and minimal number of trucks arriving at site at any one time and outside of the school pick-up and drop-off times.

The closest Waste Management Centre is Bingo Recycling centre in Alexandria and the most direct route takes traffic from York Road towards Avoca Street.

Site access of all vehicles will be supervised by traffic controllers. All vehicles will be required to enter/exit the York Rd Gate 4 access in a forward direction.

The site facilities and equipment storage location shall be contained on the site.

8.4.1. Pedestrian Management

Where vehicle movements to and from the site have the potential to impact on cyclists and pedestrians, suitable controls shall be incorporated into the TCP. Access past the site for cyclists and pedestrians is to be maintained during Works. Please refer to the Traffic Control Plan in Appendix CC for the revised pedestrian access route from the pedestrian gate on Baronga Avenue.

9. Demolition Management

9.1. Scope of Works

The demolition scope for the Work for Phase 1a, 1b and 2 is represented in the demolition plan (see Appendix E- Demolition Staging Plans) and includes the following:

Building Phase (Plan Reference)	Stage	Work Summary
1	1	Construction of the vehicular turning circle via Gate 4, Ausgrid access ramp, amphitheatre infill and car park construction
	2	Demolition of Building A & B, tree removal and construction of Phase 1a building including bulk excavation of the basement level and temporary sports courts
	3	Construction of the Phase 1b building
	4	Removal of all demountable buildings - uses decanted into the new Phase 1 building
	5	Demolition of Block C, Block D, Block E and Block J
	6	Landscaping works in the centre of the site
2	7	Construction of the Phase 2 building
	8	Demolition of the Block Z and completion of the ELC outdoor landscaped area

Pending development approval, the Phase 1 works which cover construction stages 1-6 are expected to commence in December 2020. Stages 1-2 are anticipated to take 20 months to complete. After Stage 3, much of the programmed work is intended to be undertaken outside of School term times as far as practical. An indicative timeline will be as follows:

1. Phase 1 - Stage 1 Demolition - 2 months
2. Phase 1 Stage 2 -3 Bulk Excavation, Construction and Fit-Out - 18 MonthsPhase 1 - Stages 4 - 6 - Subsequent Demolition and Landscaping - 12 Months

9.2. Site Establishment

For details on Site Establishment please refer to Appendix E.

9.3. Traffic Management Plan

All demolition vehicles will be contained wholly within the site. All vehicles transporting demolition materials from the site are to have covered loads and are not to track any soil or waste materials on the road. For details on Site Traffic Management please refer to Appendix CC.

9.4. Adherence to Codes

At all times the Contractor shall comply with all relevant Guidelines, Standards, Codes, Acts and Regulations, including but not limited to the following:

1. AS2601 - 2001 The Demolition of Structures
2. AS2436 - 1981 Guide to Noise Control on Construction, Maintenance and Demolition sites

3. AS1319 – 1994 Safety signs for the Occupational Environment
4. AS1742.3 – 2009 Manual of Uniform Traffic Control Devices
5. Environmental Planning and Assessment Act 1979 / SEPP55
6. Water Management Act 2000
7. Protection of the Environment Operations (Waste) Regulation 2005
8. RMS "Traffic Control at Worksites (TCAWS) Manual, Version 4.0, 2010"

and all other standards/regulations associated with the Works shall be applied and strictly adhered to.

9.5. Investigation

An investigation of the structures to be demolished and surrounding environment will be undertaken in accordance with the Australian Standards for Demolition of Structures, AS2601 – 2001.

The observations from the investigation will be broken up into 3 sections and record:

1. Investigation of Site
2. Investigation of Structures and
3. Investigation of Services (including Dial Before You Dig)

Where practical, services disconnection will be carried out prior to commencing clearing works. The appropriate authorities will be consulted prior to the works.

In general terms the following principles will be adopted when disconnecting services:

- All Service authorities will be consulted prior to the Works commencing to ascertain lead times and correct termination locations.
- All termination works will be undertaken in accordance with design engineers' specifications and instructions.
- All termination works will be undertaken by suitably licensed contractors.
- Any termination works that impact on adjoining owners will be notified and will be undertaken out of hours to minimise impact.

There will be a number of services (certain sewer and electrical connections) which will need to be maintained until new services are online, whereupon they can be disconnected and removed.

9.6. Restricted Areas (exclusion zones)

- Outside of working hours (or when the site is otherwise unoccupied), suitable fencing or other measures are to be erected/ installed to restrict public access to the site and building works, materials and equipment.
- A sign is to be erected in a clearly identifiable position stating that unauthorised entry to the site is not permitted. The sign is to include an after-hours contact name and telephone number.
- All exclusion zones, as nominated by the Contractor will be properly demarcated throughout the works.
- No unauthorised persons shall be permitted into the demolition and work area.
- All personnel and visitors will follow the Site Personnel and Visitor Registration Procedure.

9.7. Hazardous/Contaminated Materials

The removal and disposal of the identified hazardous materials from the existing structures are to be undertaken by the contractor. In addition to and after those works are completed, an 'unexpected finds protocol' will be in place to manage the potential risk of encountering unidentified hazardous materials.

If any undetected hazardous materials are discovered during the Works, materials and areas suspected of containing hazardous substances shall not be disturbed until Principal's Representatives has issued a Direction.

The suspected materials/areas shall be isolated by surrounding with temporary fencing or containment structures.

9.8. Method of Demolition

9.8.1. Demarcation of Site and Definition of Exclusion Zones

A temporary B Class hoarding, fence or awning must be erected between the work site and adjoining in use areas before starting work and must be kept in place until completion of the works if there is a risk that the works:

- Could cause danger, obstruction or inconvenience to pedestrian or vehicular traffic
- Could cause damage to adjoining lands.
- Involve the enclosure of a public place or part of a public place.

Council and DPIE will be notified in writing prior to the erection of any structure or other obstruction on public land.

Other areas of the Site may be demarcated as hazard removal areas only if ACM is identified with the following:

1. Unauthorised Entry Prohibited.
2. Warning Demolition.
3. Warning Asbestos Removal (if required).
4. Contractors Details including Contacts.

9.8.2. Mechanical Demolition

- Mechanical Demolition will take place with the use of excavators.
- All buildings can be reached from the ground.
- Materials suitable for recycling will be removed and separated for appropriate recycling.
- An excavator will stockpile the rubbish at points around the building for load out by excavator, bobcat, semi-trailers and loaders.
- A watcher will work with plant and equipment operators at all times.
- Water will be maintained at the face of demolition for dust suppression where required.

9.8.3. Disposal of Demolished Materials

- Demolished material will be separated and stockpiled ready for load out.
- Water will be maintained on stockpiles as required for dust suppression.
- Traffic controllers will be in place to watch for pedestrians when vehicles entering and leaving site.
- The approved Construction Traffic and Pedestrian Management Plan will be adhered to at all times. All trucks will follow the truck route and guidelines on entering and exiting site.

9.9. Permits

All relevant permits will be sought and displayed on-site at all times.

10. Construction Works

10.1. Scope of Works

Please refer to Appendix E for the sequencing of demolition and construction for Stage 1a and 1b.

The construction methodology will involve the use of numerous types of plant & machinery to aid the execution of the construction activities, materials handling, and installation and fit-out.

Phase 1 construction works are scheduled to take approximately 40 months with the maximum amount of personnel involved at any one time estimated to be around 50 workers.

10.2. Site Accommodation & Amenities

Site accommodation, amenities and office facilities will be located in the area designated 'Work Zone' as identified in Appendix E.

A tower cranes crane will be utilised with construction with material hoists being utilised for specific trades to be located within the construction work zone.

10.3. Proposed Machinery

Installation of major items such as steel, roof sheeting, concrete, plant and equipment, along with façade and glazing elements may be installed via the use of a crane.

10.4. Materials Handling and Deliveries

General deliveries will be via the designated entry to site at York Road, refer to Site Establishment and Figure 5 - Traffic Management Plan in this document).

All terrain forklift will be available to off-load materials delivered to site, resulting in a cut down on the number of visits from mobile cranes and other heavy vehicles entering the site.

10.5. Waste Minimisation and Management Plan

Construction waste management will be carried out to ensure that all construction activities will minimise landfill and maximise waste material avoidance, reuse and recycling. Refer Appendix V for the Construction Waste Management Plan.

All excavated material and construction waste generated will be placed in the onsite bins and transported to the appropriate recycling and waste facility. General locations of stockpiles and skip bin locations have been detailed in Appendix V.

The majority of material from the Works will be recycled excluding selected soft demolition materials and hazardous materials such as asbestos.

Once the main structure is in place and internal fit-out works commence, a number of bins may be allocated and utilised for general waste removal. The number will be determined by the construction requirements - please refer to the Appendix V for detail.

10.6. Structure

Construction of the substructure of the new building will be undertaken with conventional formwork, reinforcement and concrete.

Construction of the typical floor will be undertaken with conventional formwork, reinforcement and concrete.

10.7. Scaffolding

Scaffolding may be required to be erected around the perimeter of the building for the staged erection of the typical floor structures. The extent and time at which it is erected will be at the discretion of the Construction Manager.

Scaffolding will provide access, fall protection and working platforms for the erection and completion of walls, facades, roofing and fit-off.

10.8. Services

10.8.1. Water

To sufficiently supply potable water to the proposed development a connection to SWC water mains will be required.

A formal Section 73 application to Sydney Water will need to be submitted to assess the detailed servicing requirements for the site.

10.8.2. Wastewater

A formal Section 73 application to Sydney Water will need to be submitted to assess the detailed servicing requirements for the site.

As part of the works, sections of the existing wastewater network will need to be relocated.

10.8.3. Gas

Design and construction details will be prepared and formal applications made to Jemena following receipt of SSDA consent.

10.8.4. Telecommunications

Design and construction details will be prepared and formal applications made to the appropriate carrier/s following receipt of SSDA consent.

10.9. Completion

Completion of the works will include but not be limited to:

- Removal of all Plant, Machinery, Equipment, Storage, Amenities etc.
- Removal of temporary Stormwater Management Controls
- Removal of Temporary Fencing, shade-cloth and signage
- Make-good of any damaged Public or Private Infrastructure as a result of the works
- Landscaping
- Obtain Occupation Certificate

11. Other Specific Management Plan Principles

11.1. Work Occupational Health & Safety Management Principles

A site-specific Plan will be developed and will be tailored to meet the project requirements.

The Plan will look to cover induction and training, safe work method statements (SWMS), risk management, injury management, incident management, training, inspections, audits and performance reporting.
The WHS management system shall, as a minimum, demonstrate compliance with all duties of an employer specified in the *Work Health and Safety Act 2011*.

The site-specific Safety Management Plan shall consider and respond to the specific WHS hazards and issues relevant to the works and shall document the systems and methods to be implemented for the term of the Contract.

11.2. Environmental Management Principles

The Plan will be developed and used to identify Environmental Aspects, Impacts and to control Environmental Risk and document the processes to manage those risks during the demolition and construction of the Project.

The general outcomes for the project are:

- That the construction work complies with all relevant legislation;
- That the works be undertaken such that all environmental and construction objectives are achieved; and
- Compliance with the criteria and safeguards as specified in the various planning and approval documents; and
- The environmental parameters set in the Developments Conditions of Approval and regulatory agencies requirements are adhered to.

11.3. Quality Management Principles

The plan will be developed to focus not only on product/service quality, but also the means to which it is achieved.

Planning for quality management can reduce the risk of project failure attributable to inadequate project management processes that result in outputs failing to meet defined and agreed standards.