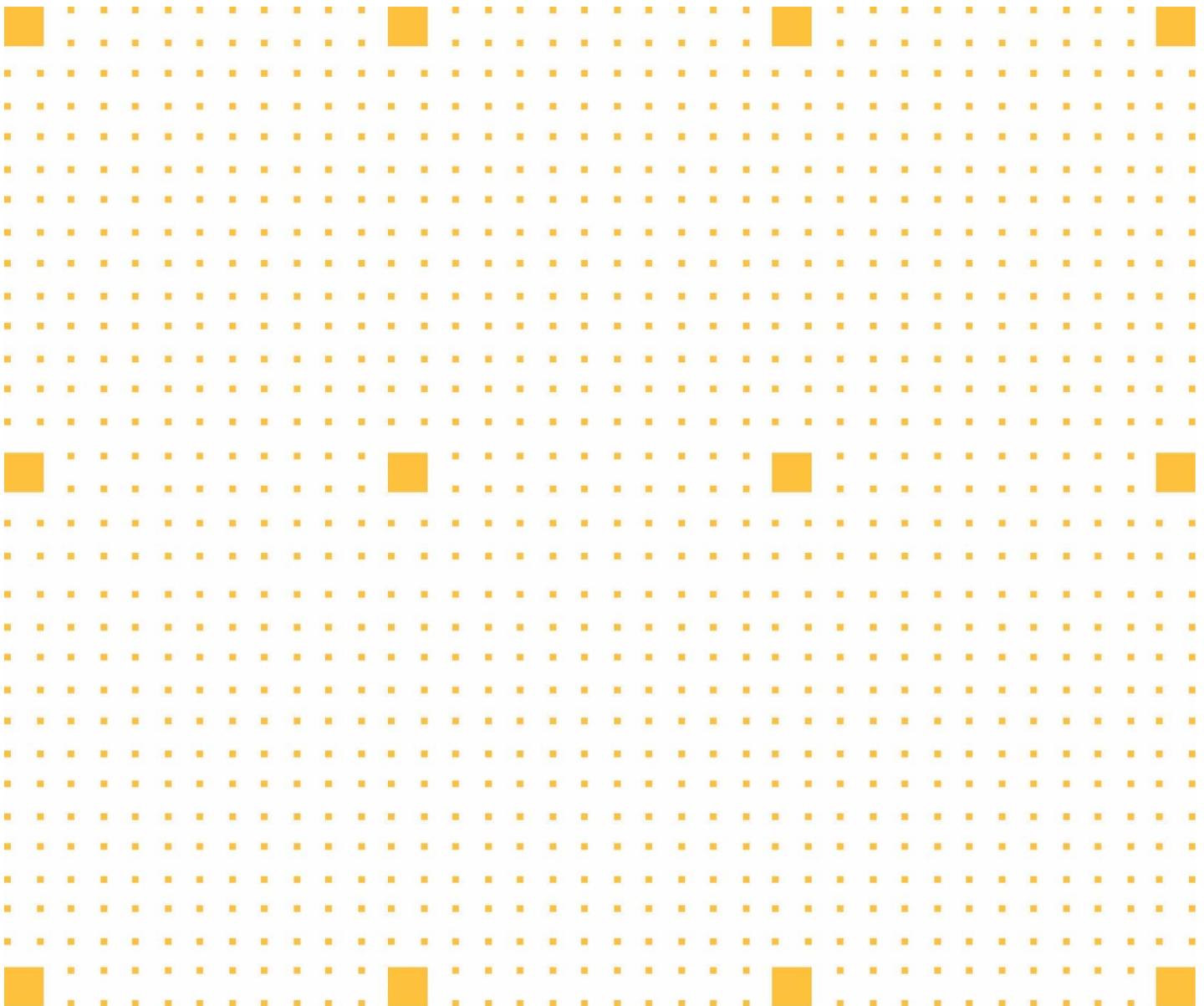


## Demolition Management Plan

**Project:** New Primary School at Murrumbateman

**Job No:** SC135 Monaro 2 ■ Dec 2021



**Rev: 3**

**Uncontrolled Document in Hard Copy**  
Copies shall not be made without the written  
permission of Hansen Yuncken Project Manager

Rev: 3

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## 1 Authorisation

### 1.1 Review & Approval

I have read this Demolition Management Plan, and understood and agree to implement the procedures as defined:

Position	Name	Sign	Date
<b>Review</b>			
Contractors Representative			
Project Manager	Paul Todhunter		
Services Manager	Luke French		
Snr Contracts Administrator	Ronaldo Bermudez		
Contracts Administrator	Ben Hohua		
Site Manager	Michael Venables		
Foreman			
Safety Coordinator / Officer			
Project Engineer			
Site Engineer	Nick Gordon		
Site Engineer	Cameron Hough		
Site Engineer	James Golder		
Undergraduate Engineer / Builder			
<b>Approval</b>			
Project Manager	Paul Todhunter		16/12/2021
Civil Site Manager	Eugene Godfrey		16/12/2021

### 1.2 Document Control

Revision	Description	Issued by	Issue date
Revision 1	Draft	N. Gordon	23 November 2021
Revision 2	Final	N. Gordon	29 November 2021
Revision 3	Final with signoff from qualified person	N. Gordon	16 December 2021

## 2 Definitions & Abbreviations


The following definitions & abbreviations have been used in this plan and project documentation. Further definitions & abbreviations are provided in referenced procedures & plans:

<b>HY</b>	Hansen Yuncken Pty Ltd
<b>OHS</b>	Occupational Health & Safety
<b>PM</b>	HY Project Manager
<b>S/C</b>	Subcontract(s) or Subcontractor(s) as the context requires
<b>SM</b>	HY Site Manager
<b>SSO</b>	HY Site Safety Officer

## 3 Background

### 3.1 Statement of compliance

The methodology contained within this Demolition Plan has been developed by Hansen Yuncken in accordance with *AS 2601-2001 - The Demolition of Structures*. Hansen Yuncken will ensure compliance to this demolition plan and that the proposals contained within the plan comply with the safety requirements of the standards.

Qualified Personnel Details:	
Name:	Eugene Godfrey
Title:	Civil Site Manager
Qualifications:	Qualified Surveyor
Experience:	21 years (12 years as a Site Manager)
Signature:	

### 3.2 Purpose

The purpose of the Demolition Management Plan is to address the requirements of *AS 2601-2001 - The Demolition of Structures* and outline how demolition works at the new Murrumbateman Primary School site will be conducted.

### 3.3 Location

The site is located at 2 Fairley Street Murrumbateman, NSW 2582.

### 3.4 Scope

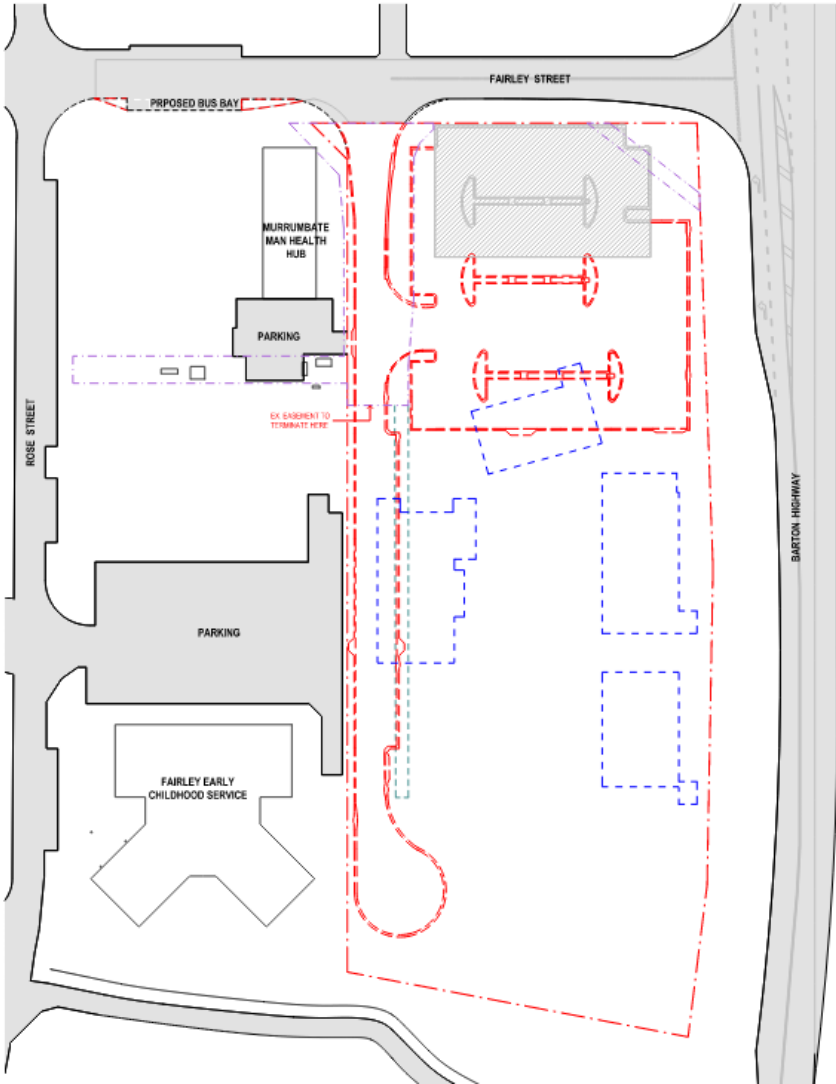
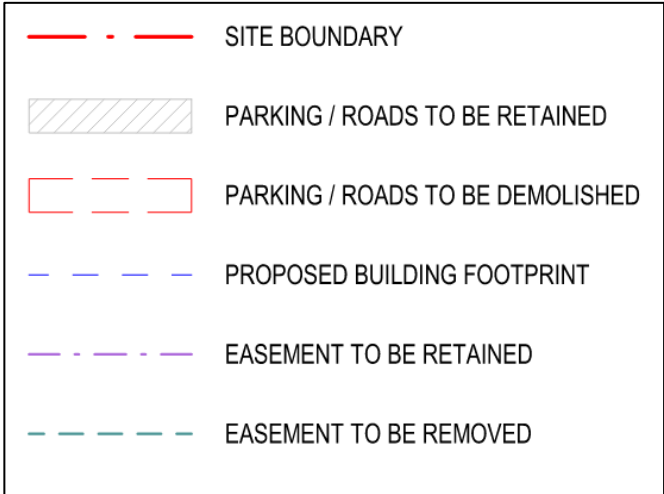
The scope of works includes the demolition of:

- an internal road, and
- part of an existing at-grade car park.

The areas to be demolished are primarily constructed of asphalt/bitumen pavement with concrete kerbs and gutters, on a sub-base material. There is also some metal in the form of reinforcement, signs, poles, railings, and the like.

The demolition work on this project does not include demolishing or dismantling any structure or part of a structure that is load-bearing or otherwise related to the physical integrity of a structure.

The following Site Demolition Plan shows the extent of demolition works to be carried out.



## 3.5 General Requirements

The following are HY requirements for the Demolition Plan:

- All works will be performed in accordance with:
  - NSW WH&S Act 2011
  - NSW WH&S Regulation 2017
  - AS 2601-2001 The Demolition of Structures
- A Dial Before You Dig enquiry is to be lodged to determine the location of services, and inspections will be carried out to determine which services require protecting, non-destructive locating or disconnecting/isolating by a licensed tradesperson. Hansen Yuncken will issue a Services Isolation Permit before demolition works can commence.
- Demolition work areas are to be barricaded and warning signs posted to restrict access to authorised personnel only. As a minimum, a 1.8m high temporary fence will be erected around the perimeter of the site to keep out unauthorised persons.
- Erosion and sediment control measures are to be in place prior to commencing demolition works. These measures are to remain in place throughout demolition, and regularly inspected and maintained.
- The demolition subcontractor is required to induct their workers on the procedure outlined in their Safe Work Method Statement (SWMS), in addition to the general work procedures outlined in the site induction prior to commencing works on site. Workers will also attend a pre-start toolbox talk outlining the activities for the day.
- All mobile plant is to be inducted to site, and power tools and equipment are to be tested and tagged.
- All personnel onsite are required to wear PPE, including a Hi-Viz vest to ensure they are visible to moving plant.
- The demolition subcontractor is required to obtain a Hansen Yuncken Hot Works Permit prior to commencing hot works.
- Hansen Yuncken expects that, where possible, recyclable materials will be separated from other debris and carted to an appropriate recycling facility. All other unusable material generated from the demolition process will be disposed of at a suitable waste facility.
- All vehicle movements are to comply with the Construction Traffic and Pedestrian Management Plan (CTPMP) and the relevant authority regulations for Heavy Vehicle Movements on public roads. Except where traffic control is specifically required as part of the CTPMP, the arrival and departure of trucks associated with the demolition works will be managed and controlled by site personnel.
- Trucks will enter and exit the site via Fairley Street. Hansen Yuncken expects the demolition subcontractor to not exceed prescribed weight limits when loading exiting trucks, and ensure loads are covered prior to trucks exiting site.

## 3.6 Environmental

Demolition works will be carried out in accordance with the Construction Environmental Management Plan (CEMP) and the following associated sub-plans:

- Construction Traffic and Pedestrian Management Sub-Plan (CTPMSP),
- Construction Noise and Vibration Management Sub-Plan (CNVMSP),
- Construction Waste Management Sub-Plan (CWMSP), and
- Construction Soil and Water Management Sub-Plan (CSWMSP).

The CEMP and sub-plans have been developed specifically for the project and will be kept onsite and referred to in managing all environmental aspects of the project.

## 4 Demolition Contractor

A fully licensed and experienced demolition contractor will be engaged to undertake the demolition works in accordance with safety requirements of the relevant Australian Standards, Acts and regulations.

All the necessary and required SWMS, Risk Assessments, Worksafe Notification for Removal of Asbestos, Structural Engineering Reports, WHS Start Up Documents etc will be provided and reviewed accordingly by Hansen Yuncken Site and HSE Management who will liaise closely with the client to ensure they are fully aware of all activities.

### 4.1 Handover Process

Prior to the demolition process commencing the following process will take place:

- Prepare a Pre-Construction Dilapidation Report identifying the current condition of public infrastructure and assets in the vicinity of the site, in accordance with condition B5 of SSD-11233241.
- Lodge a Dial Before You Dig enquiry to determine the location of services, take necessary action to locate, protect or disconnect services, and provide demolition subcontractor with details. Hansen Yuncken will issue a Services Isolation Permit before demolition works can commence.
- Ensure any necessary permits and approvals from the NSW Government/Council are in place prior to commencing demolition works.
- Erect a 1.8m high temporary fence around the perimeter of the site to keep out unauthorised persons and install signage.
- Implement CTPMP requirements and provide a copy of the plan to the demolition subcontractor to ensure compliance with vehicle movements and any other conditions.
- Install erosion and sediment control measures in accordance with the Construction Environmental Management Plan (CEMP) and Construction Soil and Water Management Sub-Plan (CSWMP).
- Induct all workers prior to them commencing work on site.
- Provide the demolition subcontractor with a Hot Works Permit prior to commencing hot works as required.



## 5 Works Description

<b>Location</b>	2 Fairley Street, Murrumbateman NSW 2582
<b>Construction Materials</b>	Asphalt/bitumen, concrete (existing kerbs), metal (reinforcement, signs, poles, railing), and sub-base
<b>Known Contamination</b>	N/A
<b>Unknown Risks</b>	Risk of latent conditions being discovered once demolition/excavation commences
<b>Unexpected Finds</b>	Risk of unexpected finds once demolition/excavation commences
<b>ESD Principles</b>	As per NSW Government and Hansen Yuncken requirements
<b>Scope of Works</b>	Demolition of an internal road and at-grade car park

## 6 Demolition Plan - Detailed Sequence

The sequencing of demolition works is summarised as follows:

- Pre-Construction Dilapidation Report of public infrastructure
- Erect site fencing, barricades and signage
- Install erosion and sediment control measures
- Locate, protect or disconnect/isolate services where required
- Induct workers and mobile plant
- Obtain all necessary permits
- Demolish internal road
- Demolish at-grade car park
- Load out material for disposal off site.

### 6.1 Pre-demolition works

A Pre-Construction Dilapidation Report has already been prepared to identify the existing condition of public (non-residential) infrastructure and assets in the vicinity of the site (including roads, gutters and footpaths) that have the potential to be affected. A dial-before-you dig enquiry will also be lodged and the site will be inspected to locate services and determine those that require disconnection, relocation or protection from damage. Licensed trades will be engaged to carry out the necessary works and a Services Isolation Permit will be issued to the demolition subcontractor.

All work areas will be barricaded, and warning signs posted to ensure access is restricted to authorised workers only. As a minimum, a 1.8m high temporary fence will be erected around the perimeter of the site to keep out unauthorised persons.

Erosion and sediment control measures will be installed in accordance with the CEMP and Construction Soil and Water Management Sub-Plan

Workers will be inducted onto site as well as the procedures outlined in the demolition subcontractors SWMS. Workers will also need to attend a daily pre-start toolbox talk outlining the activities for the day.

Any other necessary permits (e.g. hot works) will be issued as required, but must be obtained in advance of the activity being undertaken.

### 6.2 Demolition works

The demolition subcontractor will primarily use mobile plant, such as an excavator and bobcat, to carry out the works. Workers with hand tools may also be used as required. All mobile plant will be inducted onto site and power tools tested and tagged.

The process involves using mobile plant and equipment to break up concrete kerbs and gutters, remove asphalt/bitumen pavement, and bulk excavation of sub-base material. Metal signs, poles, railings and the like within the demolition work area will also be removed during the process.

All material will be sorted into different stockpiles depending whether it is to be recycled or sent to landfill as rubbish. Once the materials are processed onsite, they will be loaded onto trucks and/or into Skip Bins by an excavator and taken off site to a licensed recycling facility or landfill.

Upon completion of demolition works, the work area will be left clear of waste and debris and made safe to enable other works to commence.

Section 6.4 provides marked up plans of the demolition work sequence.

### 6.3 Waste disposal

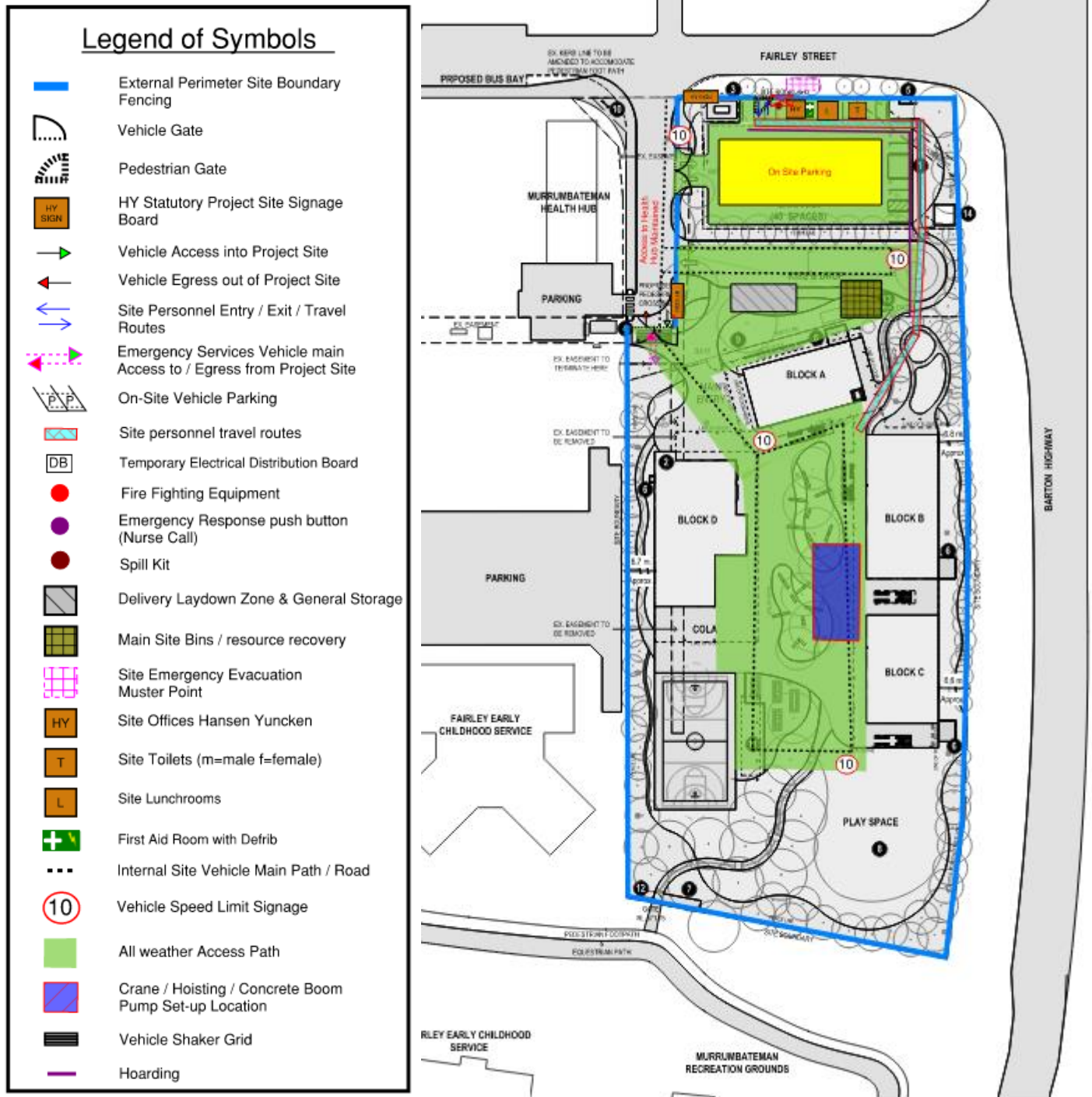
Removal and reporting of demolition waste will generally be in accordance with the CEMP and Construction Waste Management Plan (CWMP). Material generated from the demolition process will be progressively removed from site as it is generated and sorted. The demolition material will be sorted locally as it is demolished prior to being transported off site to recycling yards or landfill sites.

The demolition material will be loaded onto trucks by an excavator within the confines of the site, and trucks will have their loads covered prior to exiting the site.

All vehicle movements to and from site will be in accordance with the CTPMP, with trucks entering and exiting the site via Fairley Street.

## 6.4 Site layout and staging plans

### Site Layout Plan



## Pre-demolition – Site Setup





## Demolition - Carpark



## Demolition – Internal Road



## 7 Asbestos Management On Site

A preliminary contamination investigation was completed by Douglas Partners (refer report 203624.01.R.001.Rev0), and no contaminated material or asbestos has been identified on the site. Therefore, an 'unexpected finds protocol' will be implemented outlining the procedure to be followed in the event that unexpected contamination is found throughout the duration of the project.

### 7.1 Unexpected finds protocol – asbestos and other forms of contamination

Should asbestos (or other forms of contamination) be detected on site, the following 'Unexpected Finds Protocol' will apply:

- a. Upon discovery of suspected asbestos containing material, the Site Manager is to be notified and the affected area closed off by the use of barrier tape and warning signs. Warning signs shall be specific to Asbestos Hazards and shall comply with the AS1319-1994 – Safety Signs for the Occupational Environment.
- b. An Occupational Hygienist is to be notified to inspect the area and confirm the presence of asbestos and to determine the extent of remediation works to be undertaken. A report detailing this information would be compiled by the Occupational Hygienist and provided to the Principal (or their representative) and the site manager.
- c. The location of the identified asbestos material would be surveyed using sub-meter Differential Global Positioning System (DGPS).
- d. If the impacted soil is to be disposed off site, it should be classified in accordance with the DECCW's Waste Classification Guidelines (2008) and disposed of, as a minimum, as asbestos contaminated waste to a suitably licensed landfill. In dry and windy conditions the stockpile would be lightly wetted and covered with plastic sheet whilst awaiting disposal.
- e. All work associated with asbestos in soil would be undertaken by a contractor holding a class ASA Licence. WorkCover must be notified 7 days in advance of any asbestos works.
- f. Monitoring for airborne asbestos fibres is to be carried out during the soil excavation in asbestos contaminated materials.
- g. Documentary evidence (weighbridge dockets) of correct disposal is to be provided to the Principal (or their representative).
- h. At the completion of the excavation, a clearance inspection is to be carried out and written certification is to be provided by an Occupational Hygienist that the area is safe to be accessed and worked. If required, the filling material remaining in the inspected area can be covered/sealed by an appropriate physical barrier layer of non-asbestos containing material prior to sign-off.
- i. Validation samples would be collected from the remedial excavation to confirm the complete removal of the asbestos containing materials. If the asbestos pipes/conduits are uncovered, then sampling density would typically comprise one sample per 10-20 linear meter (depending on the length of the pipe). If asbestos debris are found, then the sampling density would typically comprise 1 sample per 5 metre x 5 metre grid.
- j. The sampling locations should be surveyed using a sub-meter DGPS.
- k. Details are to be recorded in the site record system.
- l. Following clearance by an Occupational Hygienist, the area may be reopened for further excavation or construction work.



## 7.2 Unexpected finds protocol flow chart – Asbestos (and other forms of contamination)

### Unexpected Finds Protocol - ASBESTOS

