

# Site Establishment Sub Plan



<b>Project Name:</b>	Sydney Metro West		
<b>Client Name:</b>	Sydney Metro		
<b>Project Address:</b>	Delta will demolish buildings across the following sites: <ol style="list-style-type: none"> <li>1. Parramatta</li> <li>2. Clyde</li> <li>3. Westmead</li> </ol>		
<b>Project Description/Scope:</b>	Delta Pty Ltd (Delta) is responsible for the full structural demolition of existing structures including removal of all hazardous materials of the Sydney Metro West Demolition Project.		
<b>Prepared By:</b> (Project Engineer)	Name: ██████████	Signature: ██████████	██████████
<b>Reviewed By:</b> (Project Manager)	Name: ██████████	Signature: ██████████	██████████
<b>Authorised By:</b> (Project Director):	Name: ██████████	Signature: ██████████	██████████

## TABLE OF CONTENTS

1	AUTHORISATION AND CONTROL.....	3
1.1	Authorisation .....	3
1.2	Distribution .....	3
1.3	Revision .....	3
2	INTRODUCTION .....	4
2.1	Purpose .....	4
2.2	Scope of the SEMP .....	4
2.3	Project Description.....	4
2.4	Policy and Objectives .....	5
3	LEGAL AND OTHER REQUIREMENTS .....	5
3.1	Legislation .....	5
3.2	Guidelines and Other Documents.....	5
3.3	Minister’s Conditions of Approval and PIR Mitigation Measures .....	6
3.4	Sydney Metro Requirements .....	7
3.5	Construction Environmental Management Framework Requirement .....	7
4	ROLES AND RESPONSIBILITIES .....	8
5	ACTIVITIES UNDERTAKEN DURING ESTABLISHMENT .....	11
5.1	Initial Investigations .....	11
5.2	Establishing Site Security .....	11
5.3	Establishing Site Amenities .....	15
5.4	Establishing Site Environmental Controls .....	18
5.4.1	<i>Erosion and Sediment Controls</i> .....	18
5.4.2	<i>Air Monitors</i> .....	22
5.5	Sensitive Land Users .....	22
5.5.1	<i>Parramatta Construction Site</i> .....	22
5.5.2	<i>Clyde Construction Site</i> .....	23
5.5.3	<i>Westmead Construction Site</i> .....	23
5.6	Flora and Fauna Impacts .....	24
5.7	Heritage Items.....	25
6	ONGOING ANALYSIS & monitoring performance.....	29
6.1	Initial Risk Assessment .....	29
6.2	Program for Ongoing Analysis.....	29
6.2.1	<i>Site Inspection Report</i> .....	29
6.3	Program for monitoring performance outcomes .....	29
6.3.1	<i>Site Audits</i> .....	29
6.3.2	<i>Noise and Vibration Monitoring</i> .....	30
7	Appendix A – ENVIORNMENTAL POLICY .....	31
8	Appendix B – Noise and Vibration Monitoring Plans .....	32
9	Appendix C – Consultation evidence.....	34

# 1 AUTHORISATION AND CONTROL

## 1.1 Authorisation

This Plan is authorised by the Project Director. 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 Project Director 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 Delta Groups Management team
- Annual Review

All changes must be formally approved by the Project Director.

Changes to the recent revision will be highlighted.

The following table provides a record of amendments made to this document.

Rev	Date	Description	Page	Developed By	Approved By
0	06/08/2021	Issued for Review	All	[REDACTED]	[REDACTED]
1	20/09/2021	Revised to address SM comments	All	[REDACTED]	[REDACTED]
2	24/09/2021	Revised to include Appendix C	Appendix C	[REDACTED]	[REDACTED]
3	26/11/2021	Revised to include Sydney Metro site office location	15 and 25	[REDACTED]	[REDACTED]
4	15/12/2021	Revised to include ER comments	S. 5.6, Fig. 17 and P. 17	[REDACTED]	[REDACTED]

Distribution Register			
Rev No.	Date of Issue	Name of Recipient	Position / Organisation
0	25/08/2021	[REDACTED]	Principals Representative
1	20/09/2021	[REDACTED]	Principals Representative
2	24/09/2021	[REDACTED]	Principals Representative
3	26/11/2021	[REDACTED]	Principals Representative
4	15/12/2021	[REDACTED]	Principals Representative

## 2 INTRODUCTION

### 2.1 Purpose

This Site Establishment Management Plan (SEMP) has been prepared by Delta Pty Ltd. (Delta) to comply with the Minister for Planning and Environment's Conditions of Approval (CoA) for the demolition phase of the Sydney Metro West Project and to meet the requirements of Sydney Metro General Specifications and Health and Safety Standards.

Delta has been engaged to carry out the demolition of buildings as described in Section 2.3. The demolition of these buildings and structures is defined in this SEMP as "the Project".

This SEMP provides specific management measures to ensure that establishment of Delta's demolition works are carried out so as to manage environmental aspects of the Project in a responsible and sensitive manner.

Implementing the SEMP effectively will ensure that the Project meets regulatory and contract requirements in a systematic manner and continually improves its performance.

### 2.2 Scope of the SEMP

This SEMP addresses environmental practices and procedures that will be implemented for the establishment of ancillary facilities.

All Delta staff and subcontractors are required to comply fully with the requirements of this SEMP.

The plan forms part of the project management documentation that has been prepared in accordance with the requirements of the Contract. The Project will be guided by Delta's Integrated Management System (IMS). Delta's IMS is certified as meeting the requirements of:

- AS45001 Occupational Health and Safety Management Systems;
- ISO14001 Environmental management; and
- ISO9001 Quality Management Systems.

### 2.3 Project Description

This Site Establishment Sub Plan addresses the site establishment works within Scope of Work Packages at the Parramatta, Clyde and Westmead Sites.

The Sydney Metro West project is a new 24-kilometre metro line with stations confirmed at Westmead, Parramatta, Sydney Olympic Park, North Strathfield, Burwood North, Five Dock, The Bays, Pyrmont and Hunter Street in the Sydney CBD

The Package of Works will include enabling works, service disconnections and relocations, HAZMAT removal, and demolition of structures.

This SEMP addresses the initial establishment on site amenities, security and boundary hoarding/fencing requirements described within General Specification and Minister Conditions of Approval (MCoA). Delta notes that the Project must be carried out generally in accordance with the description provided in the Environmental Impact Statement as amended by the Preferred Infrastructure Report and the Conditions of Approval.



**Figure 1 Sydney Metro West project**

Source: Sydney Metro Submissions and Preferred Infrastructure Report.

## 2.4 Policy and Objectives

Delta’s Environmental Policy firmly establishes Delta’s aims of minimising its environmental impact and furthering sustainability in all of its operations. Delta’s Environmental Management Policy is in Appendix A.

Delta’s Environmental objectives for the Project are in compliance with the Sydney Metro Construction Environmental Management Framework as outlined in the CEMP.

## 3 LEGAL AND OTHER REQUIREMENTS

### 3.1 Legislation

The key NSW environmental legislative requirement applicable to the Environmental aspects of the Project are documented in the Environmental *Planning and Assessment Act 1979*. Delta regularly reviews its legislative requirements in accordance with its Integrated Management System (IMS).

- Work Health and Safety Regulation 2017
- Work Health and Safety Act 2011
- Construction Work Code of Practice 2012
- Demolition Work Code of Practice 2019

### 3.2 Guidelines and Other Documents

Guidelines, specifications, and policies relevant to SEMP include:

- Sydney Metro Construction Environmental Management Framework
- Sydney Metro Construction Noise and Vibration Standard
- Construction Traffic Management Framework Sydney Metro West and Greater West construction Revision 1. Sydney Metro (April 2020)
- Environmental Incident and Noncompliance Reporting Procedure
- ISO14001 Environmental Management System – Requirements with Guidelines for Use (2004)
- Interim Construction Noise Guidelines. Department of Environment and Climate Change (2009)
- Managing Urban Stormwater: Soil and Construction. Landcom. (2008)
- Environment Protection Manual for Authorised Officers: Bunding and Spill Management Technical Bulletin. NSW EPA (1997)

Relevant Council(s) and relevant government agencies will be engaged and consulted by Sydney Metro for the site establishment management plan and any comments will be addressed accordingly.

- City of Parramatta Council
- Cumberland City Council
- The Department of Planning, Industry and Environment (DPIE)
- Environment Protection Authority (EPA)

### 3.3 Minister’s Conditions of Approval and PIR Mitigation Measures

Delta notes that the Project must be carried out generally in accordance with the description provided in the Schedule 20 – Requirements of Authority approval.

**Table 1 Relevant CoA and Revised Environmental Mitigation Measures (REMM)**

Requirement	Detail	Where addressed
MCoA A17	Before establishment of any ancillary facility (excluding exempt or complying development, minor ancillary facilities determined by the ER to have minimal environmental impact and those established under Condition A21 of this schedule, and those considered in an approved CEMP), the Proponent must prepare a Site Establishment Management Plan which outlines the environmental management practices and procedures to be implemented for the establishment of the ancillary facilities. The Site Establishment Management Plan must be prepared in consultation with the Relevant Council(s) and relevant government agencies. The Site Establishment Management Plan must include:	Site Establishment Plans
MCoA A17	(a) a description of activities to be undertaken during establishment of the ancillary facility (including scheduling and duration of work to be undertaken at the site);	Section 5
MCoA A17	(b) figures illustrating the proposed operational site layout and the location of the closest sensitive land user(s);	Section 5.3 & 5.5
MCoA A17	(c) a program for ongoing analysis of the key environmental risks arising from the site establishment activities described in subsection (a) of this condition, including an initial risk assessment undertaken before the commencement of site establishment work;	Section 6
MCoA A17	(d) details of how the site establishment activities described in subsection (a) of this condition will be carried out to: (i) meet the performance outcomes stated in the documents listed in Condition A1 of this schedule, and (ii) manage the risks identified in the risk analysis undertaken in subsection (c) of this condition; and (e) a program for monitoring the performance outcomes, including a program for construction noise monitoring, where appropriate or required.	Section 6
A21	Lunch sheds, office sheds, portable toilet facilities, and the like, can be established and used where they have been assessed in the documents listed in Condition A1 of this schedule or satisfy the following criteria: (a) are located within or adjacent to the Construction Boundary; and (b) have been assessed by the ER to have: (i) minimal amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the ICNG, traffic and access impacts, dust and odour impacts, and visual (including light spill) impacts, and (ii) minimal environmental impact with respect to waste management and flooding, and (iii) no impacts on biodiversity, soil and water, and Heritage items beyond those already approved under other conditions of this approval.	Section 5.3
A48	The CSSI name, application number, telephone number, postal address and email address required under Condition B3 of this schedule must be available on site boundary fencing / hoarding at each ancillary facility before the commencement of construction. This information must also be provided on the website required under Condition B11 of this schedule.	Section 5.2
D116	Before undertaking any works and during maintenance or construction activities, erosion and sediment controls must be implemented and maintained to prevent water pollution consistent with LandCom’s Managing Urban Stormwater series (The Blue Book).	Section 5.4.2



### 3.4 Sydney Metro Requirements

Sydney Metro Requirements for the works are provided in Volume 4A and 4B – General and Particular Specification. The relevant requirements for this SEMP are listed in the table below:

**Table 2 Relevant Sydney Metro Requirements**

SMR	Relevant requirement	Where addressed
SM-W-PCE-GS-189	The Contractor must comply with the Sydney Metro Construction Environmental Management Framework (CEMF) (SM-20-00099351) to the extent indicated in Attachment A – CEMF Allocation Table.	CEMP and SEMP
SM-W-PCE-GS-190	The Contractor must maintain current documented evidence demonstrating compliance for each Minister’s Condition of Approval and Revised Environmental Mitigation Measures allocated to the Contractor. [MCoA A17]	SEMP
SM-W-PCE-GS-196	Contractor must ensure that heritage is addressed throughout the performance of the Contractor's Activities and that heritage is embedded into the delivery of the Works	Section 5.6
SM-W-PCE-GS-534	The Contractor must establish, provide, maintain, operate, service and remove facilities at both the Parramatta and Clyde Sites (Project Facilities) for use by the Principal’s personnel as identified in this section of this General Specification	Section 5.3
SM-W-PCE-GS-1875	The Contractor must comply with the Sydney Metro Project Security Standard (SM PS-ST-215) with the exception of Appendix 2 - Minimum Requirements which is to be replaced with Attachment D - Project Site Security Standard Minimum Requirements	Section 5.2
SM-W-PCE-PS-380	The Contractor must install and maintain temporary hoardings, fencing and walls on and around the Site as necessary and as required by the relevant authorities to provide safety and security in the performance of the Contractor's Activities.	Section 5.2

### 3.5 Construction Environmental Management Framework Requirement

There is no specific requirement in the CEMF for site establishment management plan but as a minimum, requirement for CEMP will be adopted for this SEMP (Section 3.4 of CEMF). The relevant requirements are listed in the table below:

CEMF Ref	Relevant requirement	Where addressed
3.4 d (i)	Include a contract specific environmental policy	Appendix
3.4 d (ii)	Include a description of activities to be undertaken during construction	Section 5
3.4 d (iii)	For each plan under the CEMP include a matrix of the relevant Conditions of approval or Consent referencing where each requirement is addressed	Section 3.3
3.4 d (v)	For each role that has environmental accountabilities or responsibilities, including key personnel, provide a tabulated description of the authority and roles of key personnel	Section 4
3.4 d (ix)	Management strategies for environmental compliance and review of the performance of environmental controls	Section 6.2
3.4 d (x)	Procedures for environmental inspections and monitoring, auditing and review, and reporting on environmental performance including environmental compliance tracking	Section 6.2

## 4 ROLES AND RESPONSIBILITIES

Table 3 provides the key roles and responsibilities under the HMSP.

**Table 3 Key Roles and Responsibilities**

Project Role	Responsibilities
<b>Project Director (Ben Shum)</b>	<p>The Project Director will be engaged full-time across each and all Packages and Portions throughout Delta’s Activities to ensure that Delta meets all Contract obligations.</p> <p>He will be Delta’s primary contact with the Principal's Representative on all aspects of the Project, including community consultation and stakeholder engagement.</p> <p>The Project Director will interface:</p> <ul style="list-style-type: none"> <li>• with the Principal through monthly progress meetings, the Monthly Report, and ad hoc meetings as and when required;</li> <li>• With the Environmental Representative as and when required; and</li> </ul>
<b>Project Manager</b>	<p>Responsible for site establishment and environmental issues at the workplace, including:</p> <ul style="list-style-type: none"> <li>• Implementing and maintaining the SEMP and CEMP;</li> <li>• Undertake a detailed review of the project documentation and prepare a schedule of scope deliverables which forms the environmental management plan;</li> <li>• Identify key environmental management risks and opportunities to ensure high environmental management outputs;</li> <li>• Communicating with the principal contractor to reduce environmental management risks;</li> <li>• Ensure that all staff under their control have adequate training and experience for the for the work in conjunction with operations supervisor;</li> <li>• Ensure that all staff under their control has adequate equipment to carry out the works in conjunction with operations supervisor;</li> <li>• Periodic audits of their environmental control processes;</li> <li>• Leading by example and promoting sound environmental management practices at every opportunity;</li> <li>• Reviewing environmental management reports and inspections, and following up on recommendations; and</li> <li>• Regular attendance at on-site meetings to ensure environmental management related issues are raised for review.</li> </ul> <p>The Project Manager will interface:</p> <ul style="list-style-type: none"> <li>• With the Principal through monthly progress meetings and ad hoc meetings as and when required;</li> <li>• With the Environmental Representative during ER site inspections and in addressing ER correspondence or enquiries.</li> </ul>
<b>Demolition Site Manager</b>	<p>Responsible for site establishment and environmental management at the workplace, including:</p> <ul style="list-style-type: none"> <li>• Implementing the SEMP and CEMP;</li> <li>• Providing advice and assistance on environmental matters to employees;</li> <li>• Undertaking inspection of the planned works to ensure that environmental control measures are implemented and effective;</li> <li>• Leading by example and promoting sound environmental practices at every opportunity;</li> <li>• Attending other on-site meetings to ensure environmental issues are raised for review;</li> <li>• Taking all reasonable care to maintain a high standard of care and workmanship;</li> <li>• Recording all daily site activities in a site diary;</li> <li>• Other environmental related duties as directed by the Project Manager.</li> </ul> <p>The Site Manager will interface:</p>



Project Role	Responsibilities
	<ul style="list-style-type: none"> <li>• With the Principal through attendance at collaborative site inspections and surveillance activities, and <i>ad hoc</i> meetings;</li> <li>• With the Environmental Representative during ER site inspections and in addressing ER correspondence or enquiries.</li> </ul>
<b>Environmental Representative ER</b>	<p>Appointed ER must be meet the requirement of Department’s Environmental Representative Protocol (DPE) and responsible for:</p> <ul style="list-style-type: none"> <li>• receive and respond to communication from the Planning Secretary in relation to the environmental performance of Stage 1 of the CSSI;</li> <li>• consider and inform the Planning Secretary on matters specified in the conditions of this approval;</li> <li>• consider and recommend to the Proponent any improvements that may be made to work practices to avoid or minimise adverse impact to the environment and to the community;</li> <li>• review documents identified in Conditions A10, A17, A19, C1, C5 and C14 of this schedule and any other documents that are identified by the Planning Secretary, to ensure they are consistent with requirements in or under this approval and if so:</li> <li>• endorse the documents before submission of such documents to the Planning Secretary (if those documents are required to be approved by the Planning Secretary); or</li> <li>• endorse the documents before the implementation of such documents (if those documents are only required to be submitted to the Planning Secretary / Department for information or are not required to be submitted to the Planning Secretary / Department);</li> <li>• for documents that are required to be submitted to the Planning Secretary / Department for information under (d)(ii) above, the documents must be submitted as soon as practicable to the Planning Secretary / Department after endorsement by the ER, unless otherwise agreed by the Planning Secretary;</li> <li>• regularly monitor the implementation of the documents listed in Conditions A10, A17, A19, C1, C5 and C14 of this schedule to ensure implementation is being carried out in accordance with the document and the conditions of this approval;</li> <li>• as may be requested by the Planning Secretary, help plan or attend audits of the development commissioned by the Department including scoping audits, programming audits, briefings and site visits, but not independent environmental audits required under Condition A39 of this schedule;</li> <li>• as may be requested by the Planning Secretary, assist in the resolution of community complaints received directly by the Department;</li> <li>• consider or assess the impacts of minor ancillary facilities required by Condition A21 of this schedule; and</li> <li>• consider any minor amendments to be made to the Site Establishment Management Plan, CEMP, CEMP Sub-plans and construction monitoring programs without increasing impacts to nearby sensitive receivers, and are consistent with the conditions of this approval and the Site Establishment Management Plan, CEMP, CEMP Sub-plans and construction monitoring programs approved by the Planning Secretary and, if satisfied such amendment is necessary, approve the amendment. This does not include any modifications to the conditions of this approval;</li> <li>• prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, an Environmental Representative Monthly Report providing the information set out in the Environmental Representative Protocol under the heading “Environmental Representative Monthly Reports”. The Environmental Representative Monthly Report must be submitted within seven (7) days following the end of each month for the duration of the ER’s engagement for Stage 1 of the CSSI, or as otherwise agreed by the Planning Secretary; and assess the impacts of activities as required by the Low Impact Work definition.</li> </ul> <p>With respect to above, the ER is not required to endorse the specialist content in documents requiring specialist review and / or endorsement.</p>
<b>Environment and Sustainability Manager</b>	Responsible for environmental management at the workplace, including:

Project Role	Responsibilities
<b>(Wayne Duffy)</b>	<ul style="list-style-type: none"> <li>• Conducting internal audits and inspections of the site and compliance with the CEMP and Sub Plans;</li> <li>• Participating in Principal-led site audits;</li> <li>• Assisting in the implementation of the SEMP and CEMP;</li> <li>• Updating the management plans as required, and preparing Consistency Assessments in accordance with the Sydney Metro Planning Approval Consistency Assessment Procedure, as required;</li> <li>• Understanding the requirements of the contract;</li> <li>• Providing advice and assistance on environmental management matters to employees;</li> <li>• Ensuring that all environmental defects and incidents are identified, actioned and closed out;</li> <li>• Leading by example and promoting sound environmental management practices at every opportunity;</li> <li>• Attending on-site meetings to ensure environmental management related issues are raised for review;</li> <li>• Other environmental management related duties as directed by the Project Manager.</li> </ul> <p>The Environment and Sustainability Manager will interface:</p> <ul style="list-style-type: none"> <li>• With the Principal through attendance at collaborative site inspections and surveillance activities, Consistency Assessments, and <i>ad hoc</i> meetings;</li> <li>• With the Acoustic Advisor when preparing Consistency Assessments and as and when required;</li> <li>• With the Environmental Representative during ER site inspections and in addressing ER correspondence or enquiries.</li> </ul>
<b>Acoustic Advisor (Nominated by Sydney Metro)</b>	<p>Sydney Metro will nominate a suitably qualified and experienced Acoustics Advisor (AA) and responsible for:</p> <ul style="list-style-type: none"> <li>• Receive and respond to communication from the Planning Secretary in relation to the performance of Stage 1 of the CSSI in relation to noise and vibration;</li> <li>• consider and inform the Planning Secretary on matters specified in the conditions of this approval relating to noise and vibration;</li> <li>• consider and recommend, to the Proponent, improvements that may be made to avoid or minimise adverse noise and vibration impacts;</li> <li>• review all proposed night-time works (with the exception of low risk activities) to determine if sleep disturbance would occur and recommend measures to avoid sleep disturbance or appropriate additional alternative mitigation measures;</li> <li>• review all noise and vibration documents required to be prepared under the conditions of this approval and, should they be consistent with the conditions of this approval, endorse them before submission to the Planning Secretary (if required to be submitted to the Planning Secretary) or before implementation (if not required to be submitted to the Planning Secretary);</li> <li>• regularly monitor the implementation of all noise and vibration documents required to be prepared under the conditions of this approval to ensure implementation is in accordance with what is stated in the document and the conditions of this approval;</li> <li>• review the Proponent’s notification of incidents in accordance with Condition A43 of this schedule;</li> <li>• in conjunction with the ER (where required), the AA must: <ul style="list-style-type: none"> <li>○ as may be requested by the Planning Secretary or Community Complaints Mediator (required by Condition B8 of this schedule), help plan, attend or undertake audits of noise and vibration management of Stage 1 of the CSSI including briefings, and site visits,</li> <li>○ in the event that conflict arises between the Proponent and the community in relation to the noise and vibration performance of Stage 1 of the CSSI, follow the procedure in the Overarching Community Communication Strategy referenced in Condition C-B1 of this schedule to attempt to resolve the conflict, and if it cannot be resolved, notify the Planning Secretary,</li> </ul> </li> </ul>

Project Role	Responsibilities
	<ul style="list-style-type: none"> <li>○ if requested by the ER, consider relevant minor amendments made to the Site Establishment Management Plan, CEMP, relevant sub-plans and noise and vibration monitoring programs that require updating or are of an administrative nature, and are consistent with the conditions of this approval and the management plans and</li> <li>○ monitoring programs approved by the Planning Secretary and, if satisfied such amendment is necessary, endorse the amendment, (this does not include any modifications to the conditions of this approval),</li> <li>○ if requested by the ER, review the noise impacts of minor ancillary facilities, and prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, a Monthly Noise and Vibration Report detailing the AA's actions and decisions on matters for which the AA was responsible in the preceding month. The Monthly Noise and Vibration Report must be submitted within seven (7) days following the end of each month for the duration of the AA's engagement for Stage 1 of the CSSI, or as otherwise agreed by the Planning Secretary.</li> </ul>
<b>Noise and Vibration Consultant (Osterman Consulting)</b>	<p>Noise and Vibration Consultant will be:</p> <ul style="list-style-type: none"> <li>● Available to the Principal's Representative's, with the Contractor, on community stakeholder acoustic and vibration matters;</li> <li>● Responsible for all noise and vibration compliance matters associated with the Delta's activities; and</li> </ul> <p>Responsible for and have the authority to develop and implement the noise and vibration monitoring and mitigation strategy.</p>

## 5 ACTIVITIES UNDERTAKEN DURING ESTABLISHMENT

Below is a brief outline of tasks and activities that will be undertaken during the establishment of ancillary facilities to complete the scoped works. Once Construction Environmental Management Plan (CEMP) is approved, all works onsite will then be conducted under the CEMP. Site establishment activities will commence after site possession around mid-October 2021 and scheduled to take approximately 1-2 months depending on each site. For detailed staging and sequencing, refer to baseline programme.

### 5.1 Initial Investigations

Investigations will be undertaken onsite for a variety of reasons. These have been outlined below:

(Note that some of the initial investigations will be conducted under Low Impact Works after obtaining necessary approvals)

- Site walk to determine onsite environmental controls and monitoring locations to assist in producing the Environmental Control Maps (e.g., erosion and sediment controls)
- Ecologist walk
  - Clyde to assess potential for micro bat roosting and also proximity of the works to mangroves
  - Pre-clearance survey of trees to be removed to assist in preparing the Post-clearing Report (required under 2.2.7c of the Sydney Metro West Particular Specification).
- Heritage
  - Salvage
  - Advise the N&V consultant on requirements should loggers be attached to heritage structures
- Noise and Vibration assessments
- Hazmat surveys based on Gap analysis

### 5.2 Establishing Site Security

Site security will be established according to the project site security standard minimum requirements outlined in the site security management plan (SSMP). A combination of A Class and B Class hoarding will be utilised to secure the site boundaries. Perimeter fencing will be a minimum height of 2.4m in accordance with the requirement. On each site boundary fencing/hoarding, site specific contact details (i.e. site supervisor) and details of the principal and principal contactor will be displayed. The below Sydney metro graphics will be displayed on site boundaries:

To be displayed at site gates:



West

**1800 612 173**

MANDATORY SITE SAFETY REQUIREMENTS

## Gate XX

CONSTRUCTION SITE

**NO UNAUTHORISED ACCESS**

**THIS PROTECTIVE EQUIPMENT  
MUST BE WORN  
IN THIS AREA**

<b>FOR SITE CONTACT DETAILS</b> Name Title <b>PRINCIPAL CONTRACTOR</b> Name <b>PROJECT OFFICE</b> Address Website
--

<b>EPL LICENSEE</b> Company name Website
<b>SYDNEY METRO WEST PROJECT</b> SSI sydneymetrowest@transport.nsw.gov.au Sydney Metro West, PO Box 4659, Haymarket NSW 1240



West

**1800 612 173**

MANDATORY SITE SAFETY REQUIREMENTS

**DANGER**

**WORK  
IN  
PROGRESS**

**DANGER**

**NO ENTRY  
AUTHORISED  
PERSONNEL ONLY**

**THIS PROTECTIVE EQUIPMENT  
MUST BE WORN  
IN THIS AREA**

<b>FOR SITE CONTACT DETAILS</b> Name Title <b>PRINCIPAL CONTRACTOR</b> Name <b>PROJECT OFFICE</b> Address Website
--

<b>EPL LICENSEE</b> Company name Website
<b>SYDNEY METRO WEST PROJECT</b> SSI sydneymetrowest@transport.nsw.gov.au Sydney Metro West, PO Box 4659, Haymarket NSW 1240

To be displayed on hoardings/fencing:



Community information line  
**1800 612 173**



Community information line  
**1800 612 173**



Community information line  
**1800 612 173**



Community information line  
**1800 612 173**

To be displayed for information:



West

# Construction site

ALL VISITORS MUST REPORT TO SITE OFFICE

**DANGER**

**CONSTRUCTION  
SITE**

**UNAUTHORISED PERSONS  
KEEP OUT**

**THIS PROTECTIVE  
CLOTHING MUST BE  
WORN AT THIS SITE**

As required

<b>FOR SITE CONTACT DETAILS</b> Name Title <b>PRINCIPAL CONTRACTOR</b> Name <b>PROJECT OFFICE</b> Phone Address Website
---

<b>EPL LICENSEE</b> Company name Website
<b>SYDNEY METRO WEST PROJECT</b> SSI 1800 612 173 Community information line open 24 hours sydneymetrowest@transport.nsw.gov.au Sydney Metro West, PO Box 4659, Haymarket NSW 1240



**Sydney Metro West**

**SSI 10038**

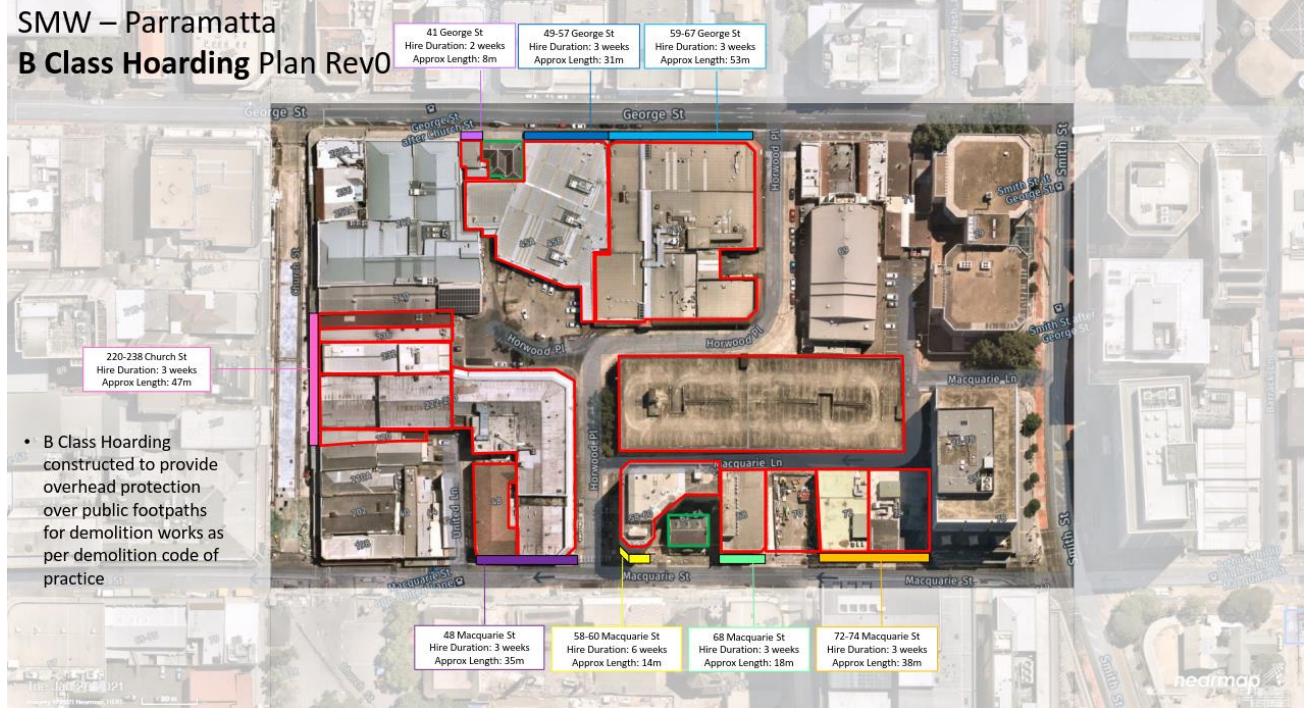


The installation of fencing and hoarding will be in accordance with the below site utilization plans:

**Parramatta Site**

Figure 1 illustrates the B class hoarding plan which will provide overhead protection for public footpath during demolition works. Scaffold will be erected over b-class hoarding as protection during demolition of high structures. Erection of scaffold will be done in accordance with the sequencing of buildings to be demolished (May not be included in site establishment activities)

**Figure 1 Parramatta Site Hoarding Plan**



**Clyde Site**

Clyde site is broken up into two portions separate by the creek. Figure 2 illustrates the hoarding plan for Northern portion where chainwire fencing is proposed to be used (highlighted in green). The areas highlighted in blue are proposed A class hoarding locations due to the proximity to public footpath. Existing fences will be used where possible with Sydney Metro shade cloth installed.

**Figure 2 Clyde Site Hoarding Plan (Area C1 – C5)**

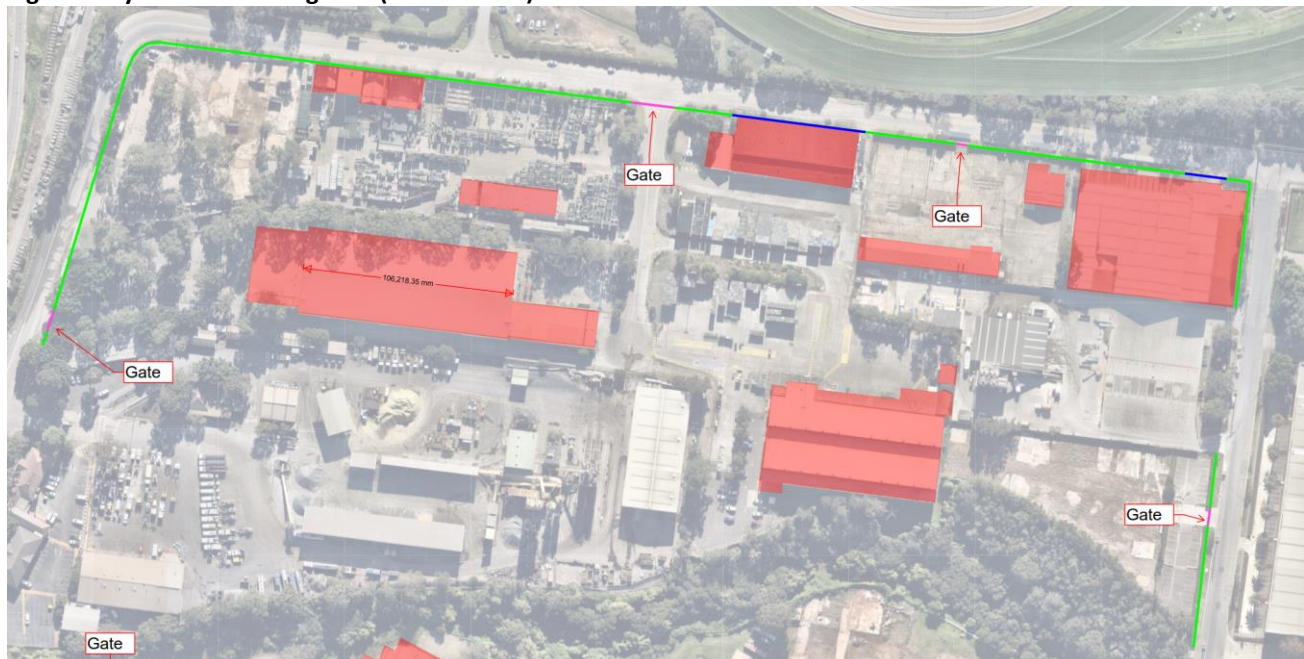




Figure 3 shows the hoarding plan for southern portion of Clyde site. Similar to Figure 2, chainwire fencing is highlighted in green and proposed locations for A-class hoarding are illustrated in blue. Chainwire fencing is proposed to be used instead of A class hoarding because for buildings to be demolished that are safely away from the footpath, A class hoarding is not required (Pending Parramatta City Council Approval).

**Figure 3 Clyde Site Hoarding Plan (Area C6-C10)**



**Westmead Site**

Hoarding plan for westmead site is as shown in Figure 4 where the entire boundary will be secured by A class hoarding. Hoarding will be erected within site boundary where possible but some locations require hoarding to encroach on the garden patch along the footpath. Overhead protection for demolition of building close the footpath will be provided by erecting B-class hoarding in areas shown below. Cumberland city council requirement for footpath encroachment to be followed.

**Figure 4 Westmead Site Boundary Hoarding Plan**





### 5.3 Establishing Site Amenities

Site amenities will be established taking into consideration of the demolition works sequencing, availability of existing services to establish temporary services, practicality of the locations and lastly, CEMF requirement regarding site layout.

Below table addresses each requirement from the section 5.3 – Site layout from the CEMF:

Requirement from Section 5.3 of CEMF	Delta comments and considerations
<b>i. The location of noise intensive works and 24 hour activities in relation to noise sensitive receivers</b>	There will be minimal noise and vibration impacts in the site establishment works. Delta Noise and Vibration Management plan addresses impacts during demolition works
<b>ii. The location of site access and egress points in relation to noise and light sensitive receivers, especially for sites proposed to be utilised 24 hours per day</b>	All site establishment works will be undertaken during approved construction hours (no night shifts). Site access are included in site amenities plans taking into consideration of minimum disruption to current traffic and sensitive receivers.
<b>iii. The use of site buildings to shield noisy activities from receivers</b>	This is mainly applicable for demolition works. See comments for item (i) above
<b>iv. The use of noise barriers and / or acoustic sheds where feasible and reasonable for sites proposed to be regularly used outside of daytime hours</b>	Not applicable for demolition works
<b>v. Aim to minimise the requirement for reversing, especially of heavy vehicles</b>	Noted and access into sites will be through existing gates and driveways if possible. Swept path analysis are undertaken for heavy vehicle to be entered into sites and detailed in Construction Traffic Management Plan (CTMP)
<b>vi. Any applicable requirements of the Construction Traffic Management Framework (CTMF)</b>	Addressed in detailed in CTMP

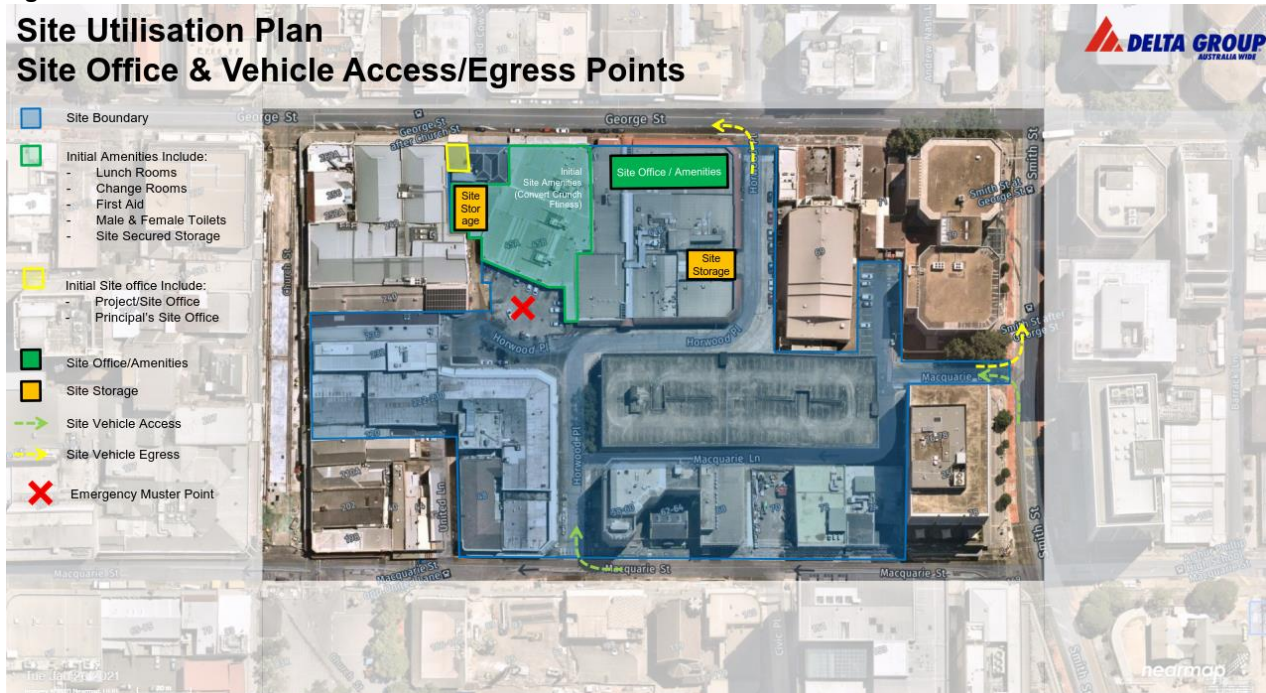
#### Parramatta Site

For parramatta site, existing space and amenities within crunch fitness gym located on 49-57 George St will be utilised as initial site amenities for the site as shown in Figure 5. Necessary temporary service connections and fitouts will be undertaken within the building to establish the site amenities to satisfy construction code of practice and Sydney Metro Particular specification.

**Site office for Sydney Metro will be established at the Kia Ora building located at 64 Macquarie Street, Parramatta.**

In last stages of the demolition works, site office and amenities will relocate to portable site sheds in location as shown on 61B George st which will be demolished down to slab level.

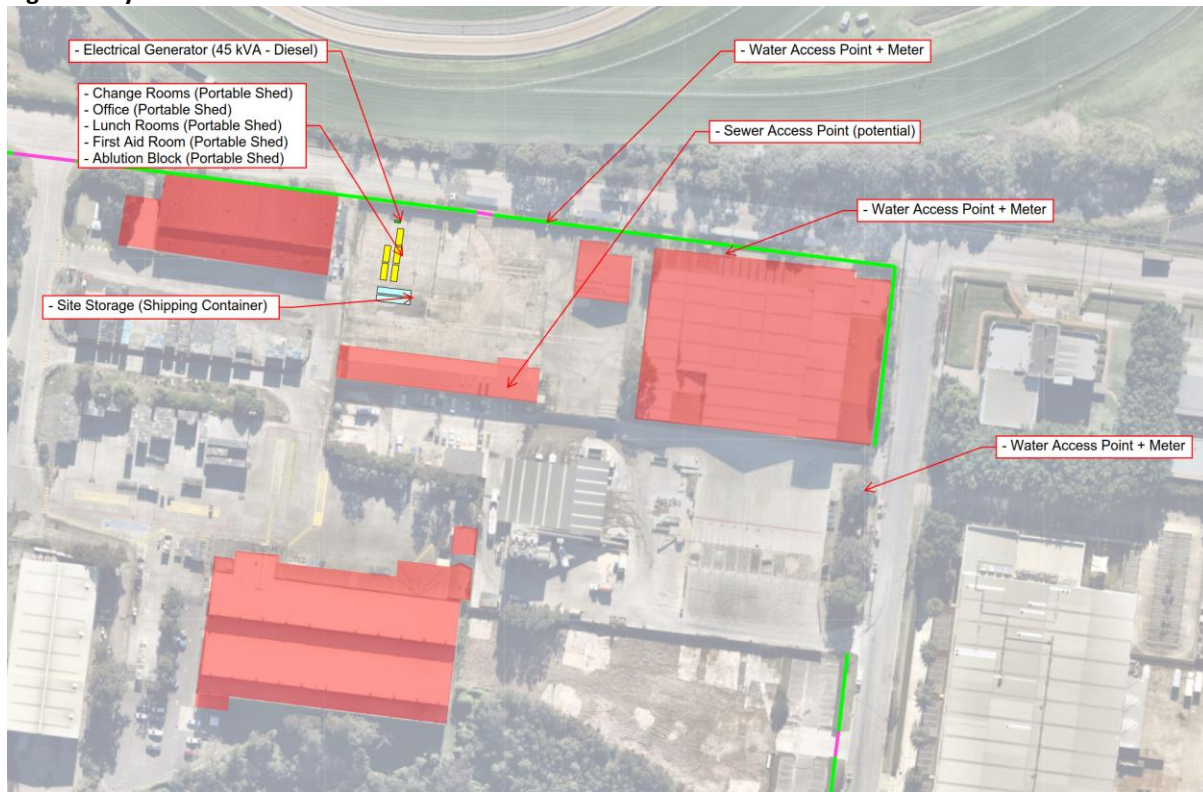
Figure 5 Parramatta Site Amenities Plan



**Clyde Site**

Amenities for Clyde site will be established on the available hardstand area located behind 5 Unwin Street Building. Site amenities will be established utilizing portable sheds as shown in Figure 6. Temporary power will be supplied by a diesel powered generator and temporary services such as potable water and sewer will be tapped into existing services.

**Figure 6 Clyde Site Amenities Plan**



For southern portion of the Clyde site, portable toilets and portable water points will be set up for amenities during demolition works. Main amenities will be as per Figure 6 and workers will be transported to work areas by site vehicles. This is achievable as works involved in Southern Portion only require a single crew for demolition of the buildings.

**Figure 7 Clyde Site Southern Portion Amenities Plan**

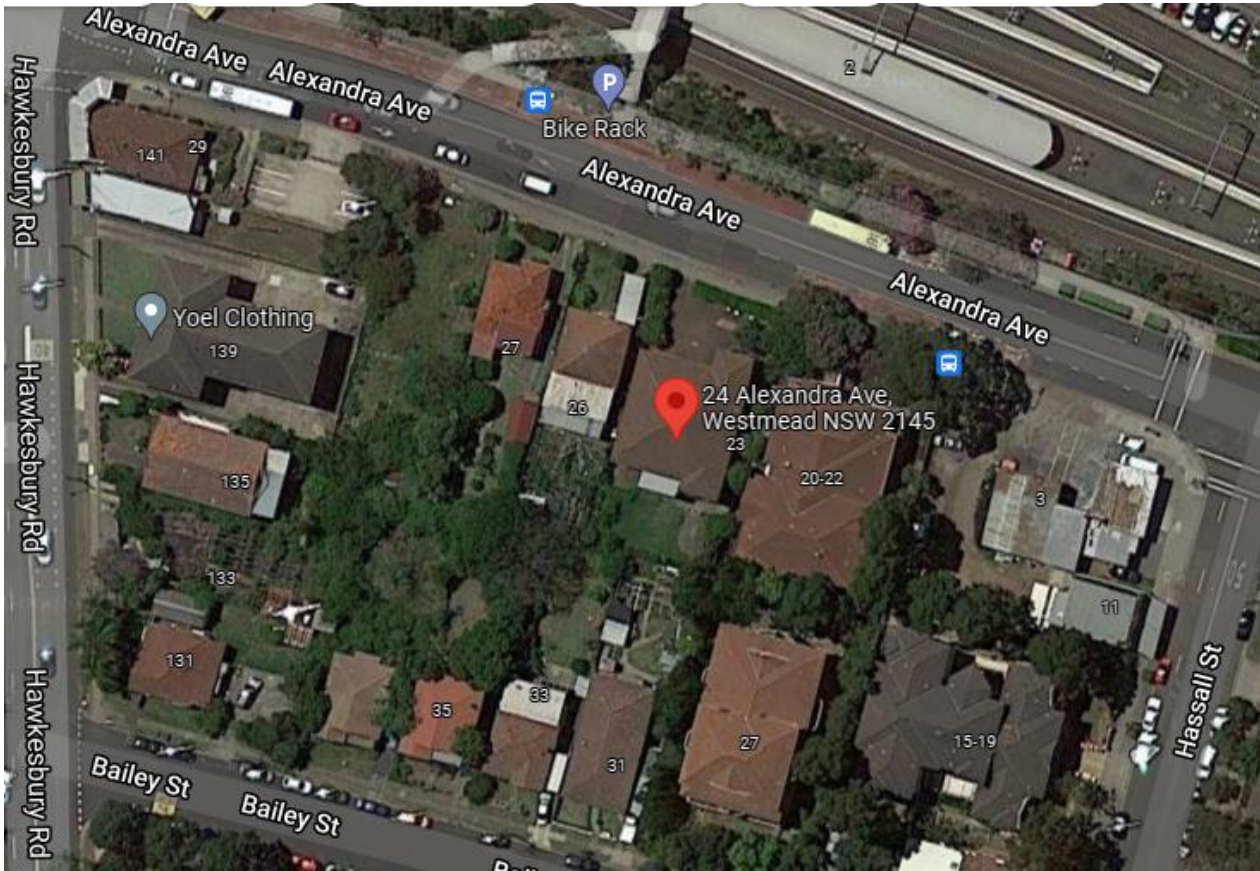




**Westmead Site**

The initial site office and amenities for Westmead site will be established at 24 Alexandra Avenue, Westmead. The site office will be subject to change as the demolition progresses.

**Figure 8 Westmead Site Amenities Plan**



Establishing Site Environmental Controls

**5.3.1 Erosion and Sediment Controls**

The establishment of the erosion and sediment controls is governed by the following objectives:

- Minimise pollution of surface water through appropriate erosion and sediment control;
- Minimise leaks and spills from construction activities;
- Maintain existing water quality of surrounding surface watercourses; and
- Source construction water from non-potable sources, where feasible and reasonable.

This is further detailed in the Construction Environmental Management Plan (CEMP). As part of site establishment works, necessary controls will be established to prevent sediment entering existing stormwater drains. Proposed methodology to mitigate runoff into existing stormwater drains will be by utilising drain guard. Example of a product shown and maintenance shown below. Where this is not possible, combination of sandbags and coir logs around the drain lined with geofabric will be utilised.

Following on from initial site inspections, environmental control maps can be seen below illustrating the erosion and sediment controls. This is to be progressively altered according to the site conditions and further findings onsite once works commence. All controls will be installed in accordance with the blue book.


**Figure 9 Example of Proposed Drain Guard**

STORMWATER PROTECTION


### THE DRAIN POLLUTION GUARD

#### STORMWATER FILTER MANAGEMENT

The DRAIN POLLUTION GUARD keeps oil and other contaminants (eroded soil, windblown debris) from entering the stormwater system. Designed for use in parking lots, vehicle storage/service areas, construction sites and industrial plants.




Lift grate from sump and attach absorbent pillow. Place drain guard over the sump and drop pillow into the Drain Guard.



Replace grate, standing on it to make it secure. Draw a line around the grate about 10 cm out from the edge. Trim fabric around line – excess material allows the drain guard to reposition and stretch into the drain sump.

#### MAINTENANCE AND RUBBISH REMOVAL

After 4-5 months the Drain Guard will need to be removed for cleaning or replacement. It can easily be serviced by trained staff.



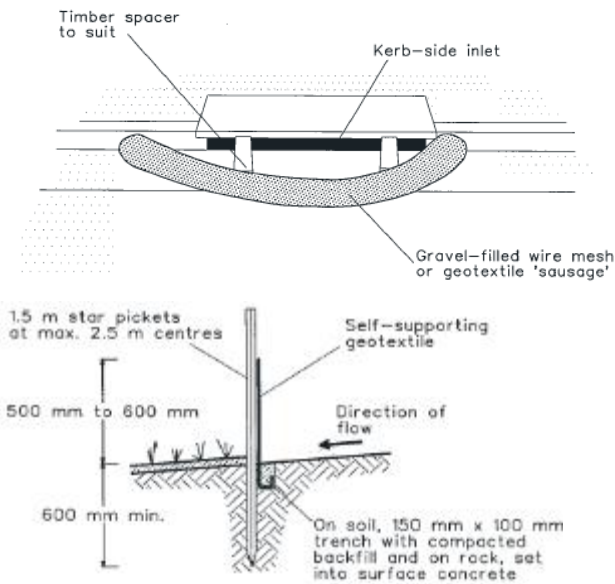
Lift grate from sump and untie the bilge rat from the grate. Proceed with caution when lifting the Drain Guard (it may weigh up to 15 kg). Remove the Drain Guard from the sump, making sure captured debris isn't spilt back into the unprotected sump.

Clean-up the contents and dispose of the waste under guidelines set by local and federal government departments. Replace Drain Guard if necessary.

Supplied by: Argyle Commercial, 2 Gulson Street, Goulburn NSW, 2580. Ph: 1800 006 099 Fax: 02 4821 0037



**Figure 10 Alternative methods for erosion and sediment controls**

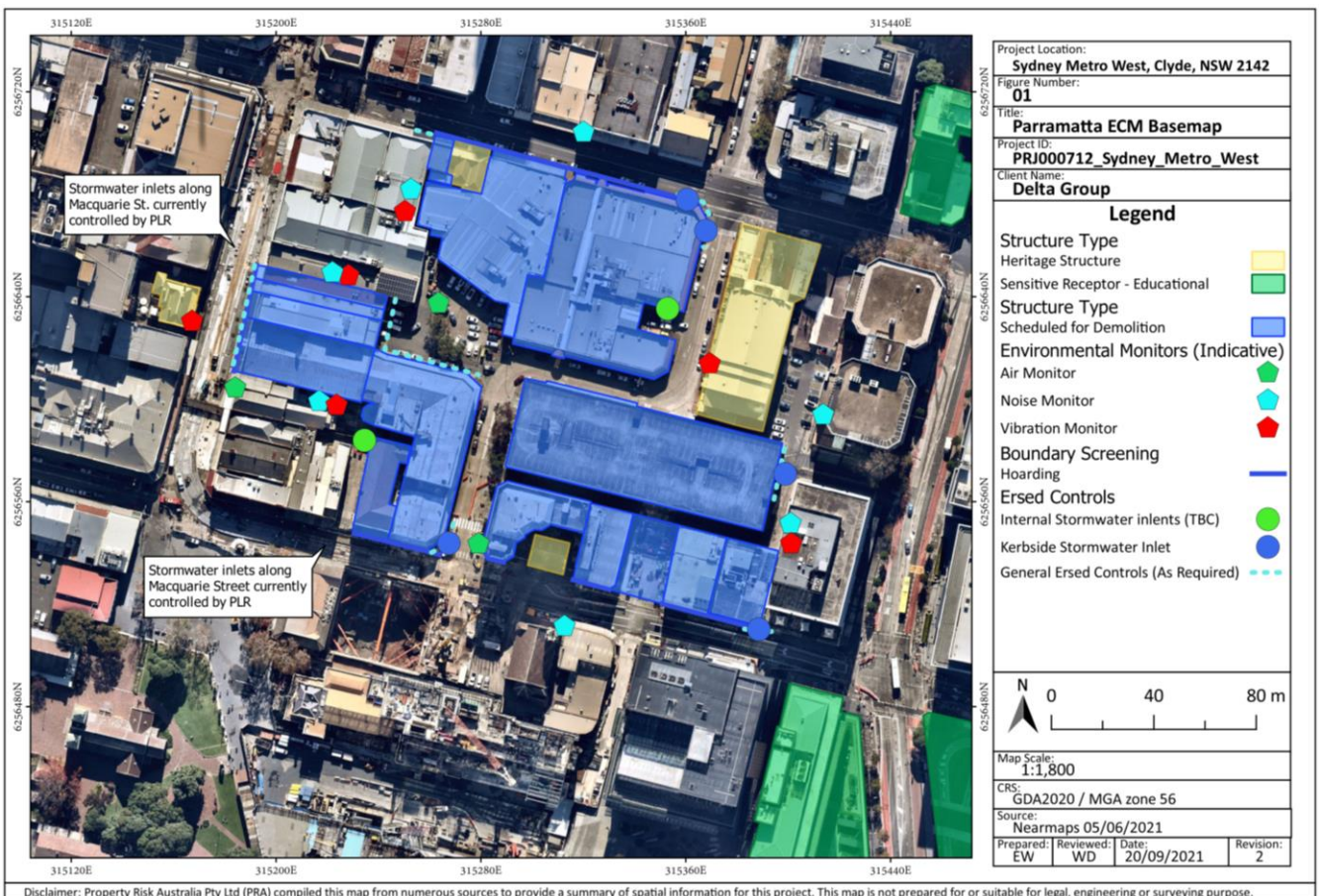


**Parramatta site**

Erosion and sediment controls into existing stormwater drainage inlets are illustrated in figure 11 below. Several stormwater inlets within the site boundary and kerbside inlet have been identified which will be protected by methods outlined in figure 9 and 10 in the previous section.

To protect sediment running outside the site boundary, a combination of coir logs and sand bags are proposed to be installed along the base of the hoarding within the site boundary. This has been identified in the below figure as general ersed controls.

**Figure 11 Parramatta Site Environmental Control Map**

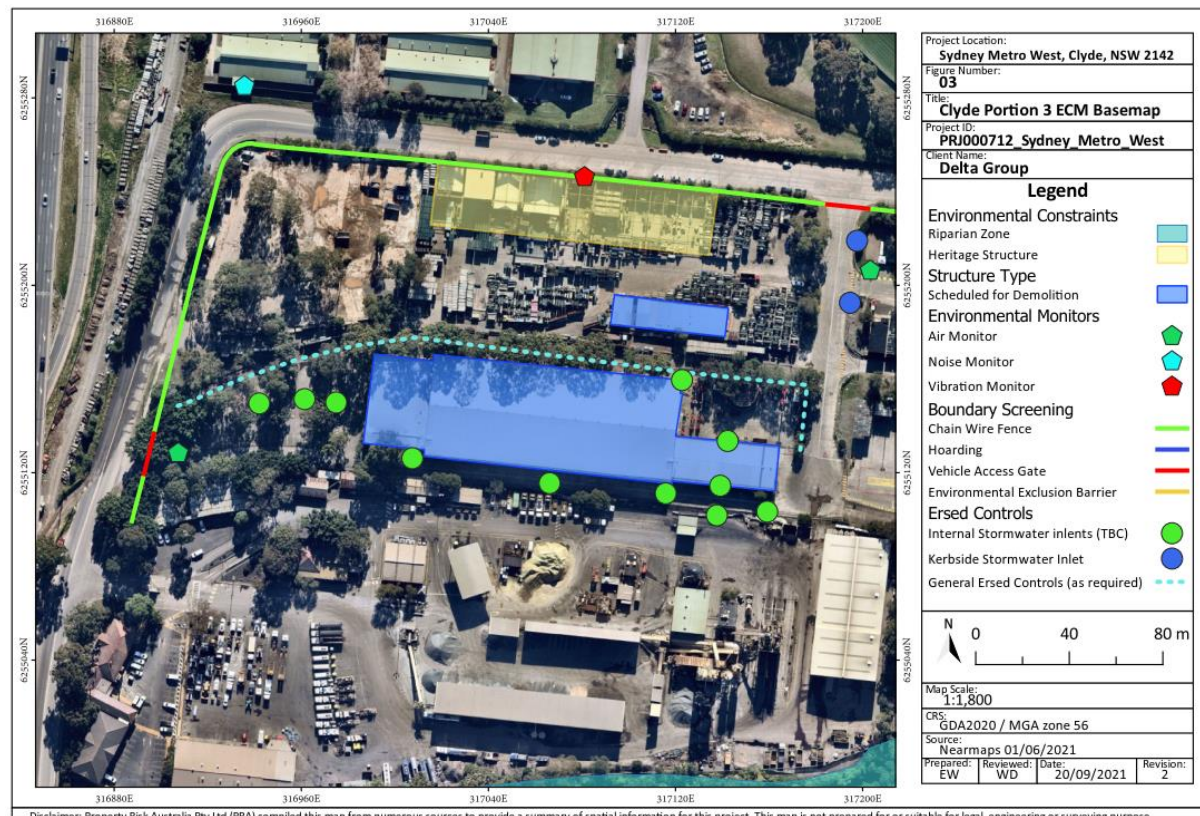
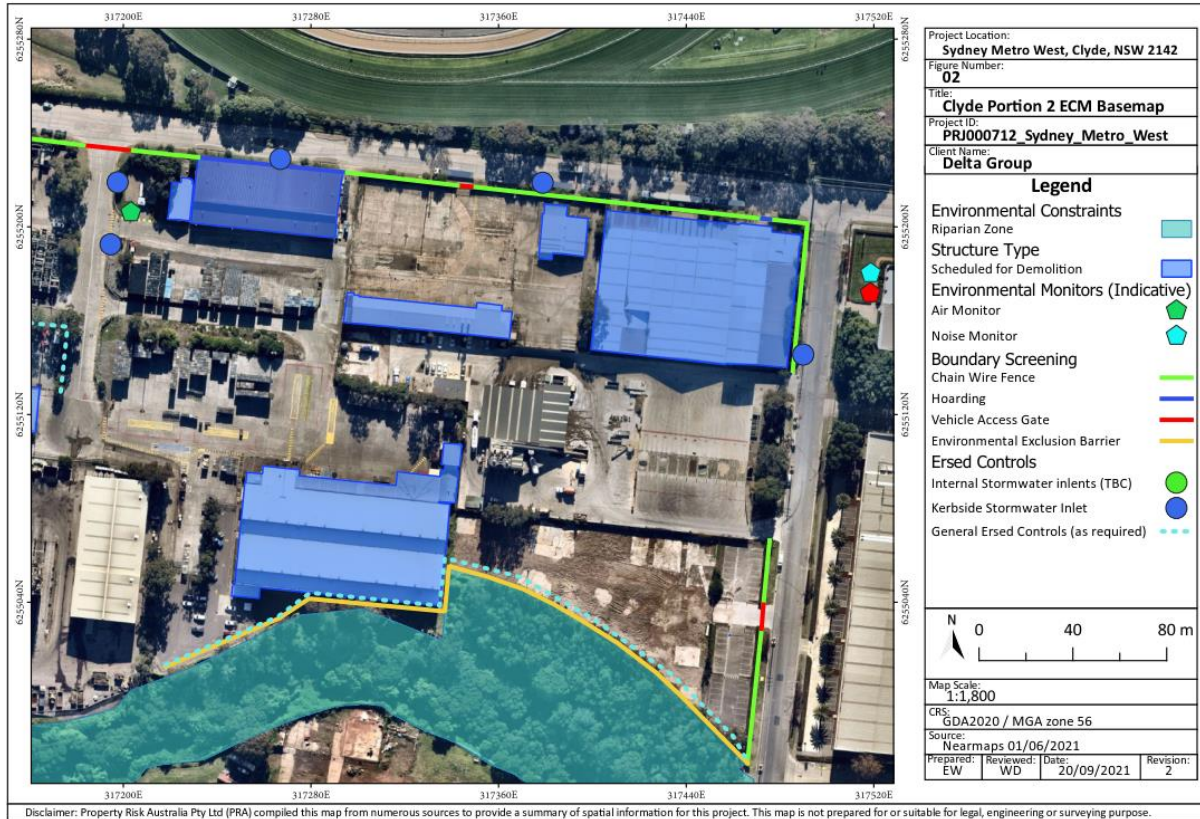




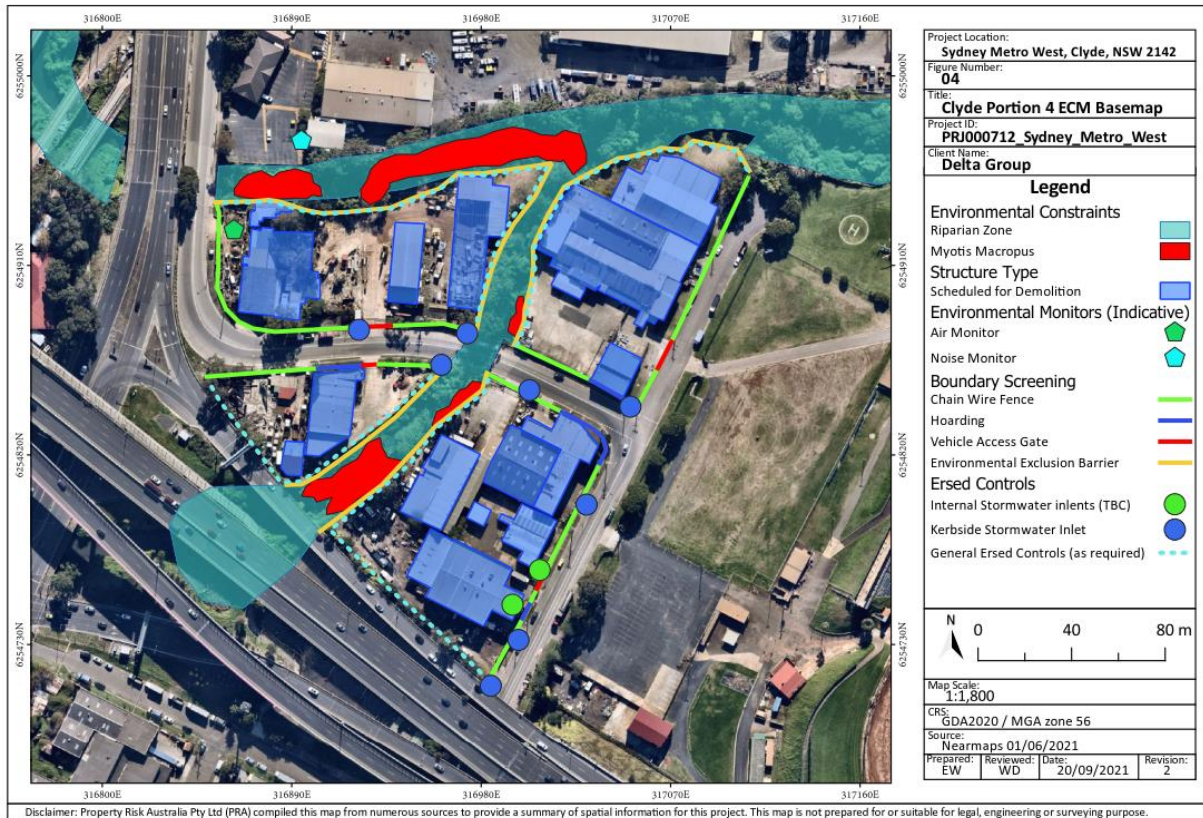
**Clyde site**

Similar to the parramatta site, stormwater inlets within the boundary and kerb inlets that requires protection against erosion and sediment runoff are shown in Figure 12 for clyde site. Controls will be in place to prevent sediment runoff into the existing creek which is highlighted as Riparian zone in the environmental control maps. Sediment controls for the creek will include a combination of coir logs and sand bags or sediment fencing erected with star pickets. These will be installed as required taking into consideration of the direction of flow and high risk area of sediment runoff into the creek.

**Figure 12 Clyde Site Environmental Control Maps**







**Westmead Site**

Figure 13 illustrates the proposed locations of stormwater inlets protections to prevent erosion and sediment runoff into existing stormwater. Along the base of the hoarding around the site, a combination of erosion and sediment controls will be installed as required to prevent sediment running off site.

**Figure 13 Westmead Site Environmental Control Map**





### 5.3.2 Air Monitors

Project works such as demolition, stockpiling, and transport of materials have the potential to impact on surrounding air quality. Delta will implement the air quality management provided in the Air Quality Management Sub Plan in the CEMP.

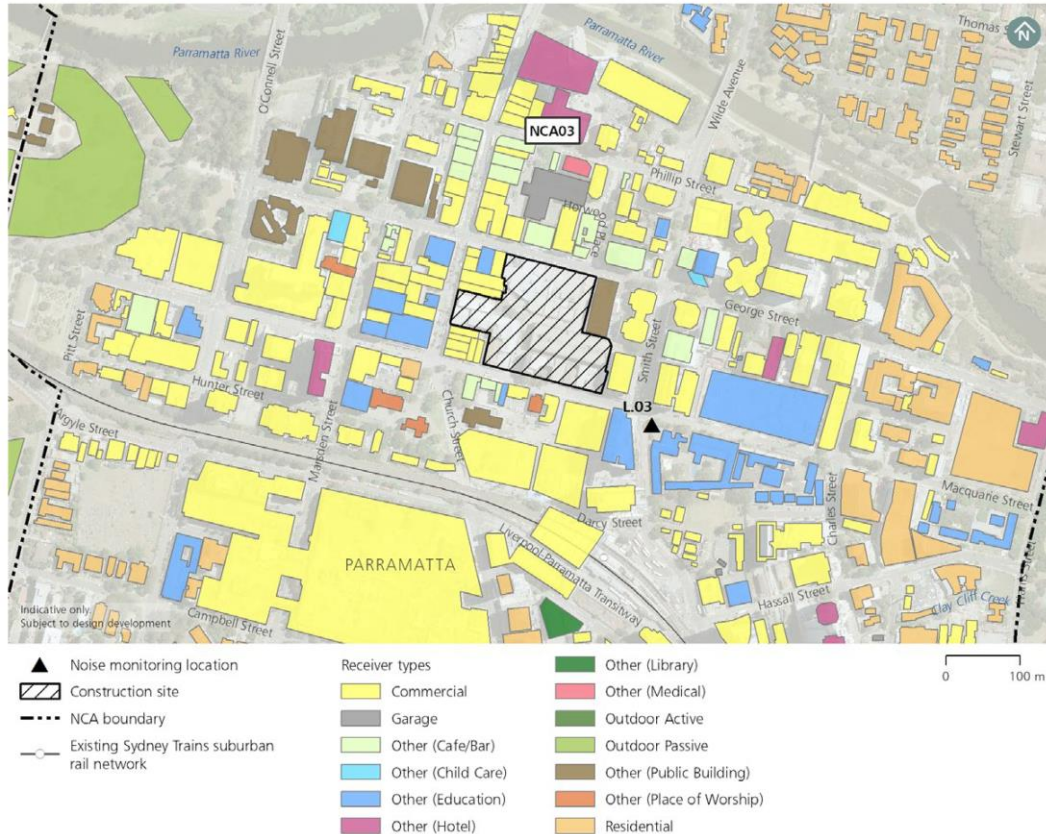
Since demolition works will not commence immediately after site possession, air monitoring may not be established as part of the site establishment works. However, environmental control maps in Section 5.4.1 of this SEMP illustrates the proposed locations of the air monitors to be established taking into consideration of the sensitive receivers as outlined in section 5.5.

## 5.4 Sensitive Land Users

### 5.4.1 Parramatta Construction Site

Sensitive receivers near Parramatta site includes Western Sydney University Parramatta, Arthur Phillip High School, Parramatta Public School, a number of nearby hotels and places of worship as illustrated in the figure below:

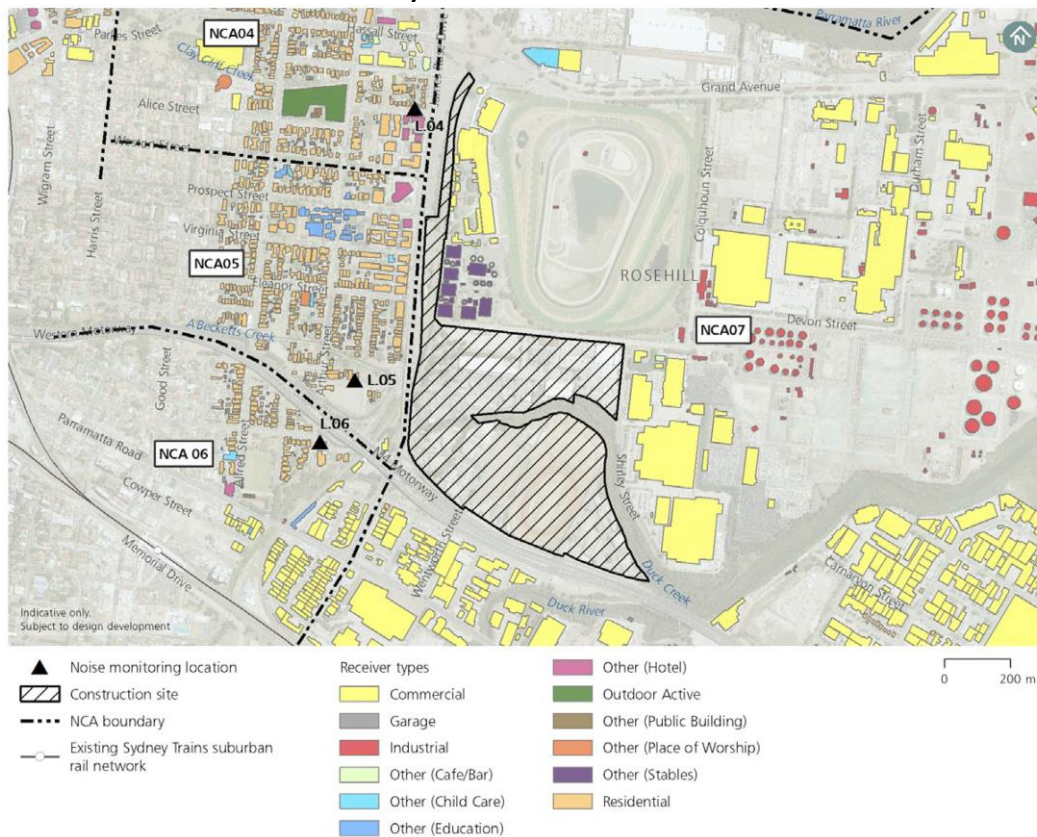
**Figure 14 Location of sensitive receivers near Parramatta site**



### 5.4.2 Clyde Construction Site

Sensitive receivers near Clyde site include Rosehill Public School, number of hotels and child care centres as illustrated in the figure below:

**Figure 15 Location of sensitive receivers near Clyde site**



### 5.4.3 Westmead Construction Site

The area surrounding the construction site is mainly residential and the nearest receivers are near the boundary of the site. The Westmead health precinct is to the north of the site and educational facilities are also located relatively close by. Other sensitive receivers include Westmead Public School, Westmead Hospital, Western Sydney University – Westmead, and Parramatta Marist High School. A child care centre and a number of medical facilities are to the north of the existing Westmead Station.



Figure 16 Location of sensitive receivers near Westmead site



## 5.5 Flora and Fauna Impacts

Site establishment activities will be undertaken to have no impact on existing flora and fauna. If disturbance to existing flora and fauna is required, it will be highlighted in the low impact works application with ecologist or necessary assessment carried out prior to commencement of the works.

Below are the assessment for each site addressing the potential impacts on flora and fauna during construction phase of Sydney Metro West project (Extract from Flora and Fauna Management Plan)

### Parramatta

Due to its high degree of urbanisation, there were no instances of naturally occurring vegetation present within the vicinity of the construction site. There are isolated native species in gardens along Horwood Place however, the rest of the plant species either exotic or opportunistic weeds.

### Clyde

This site is mostly occupied by commercial and industrial facilities that lack natural vegetation there are several regions of concern as follows:

- Small areas of mangrove forest along A'Becketts Creek and Duck Creek that are considered protected under the Fisheries Management Act 1994.
- Though weed-dominated, the riparian zone along A'Becketts Creek is home to a few native species that exist along the creek bank.
- Though weed-dominated, the vegetation along Duck Creek also features some native vegetation.
- There is a community of 'Subtropical and Temperate Coastal Saltmarsh' approximately 1.2 kilometres south of the Clyde construction site which is listed under the Environment Protection and Biodiversity Conservation Act 1999.

### Westmead

The demolition zone for Westmead features a majority of previously residential and commercial premises. There are some potential areas of concern within the existing T1 Rail Corridor, which contains a small, poor condition, plant community (Type 849). This community is listed as critically endangered under the Biodiversity Conservation Act 2016. Delta's activities are unlikely to have an impact on the plant community (Type 849) zone as it falls within the rail corridor to the north, outside the demolition site.

## 5.6 Heritage Items

Activities included in the site establishment works will have minimal to no effect on heritage listed items for all three projects.

Kia Ora building (Parramatta LEP item No. I796) will be utilized for Sydney Metro Site office. The proposed use of the Kia Ora building as a site office by Sydney Metro is consistent with Section 12.4 of the EIS, which committed to retain and protect the building. There will be no building modifications required to allow the building to be used as a Sydney Metro site office (for example, modifications for power, water, aircon and IT). Where repairs or protective measures are required for the building they will be undertaken in accordance with Condition D16 of the Planning Approval (SSI 10038), including advice from a suitably qualified and experienced built heritage expert.

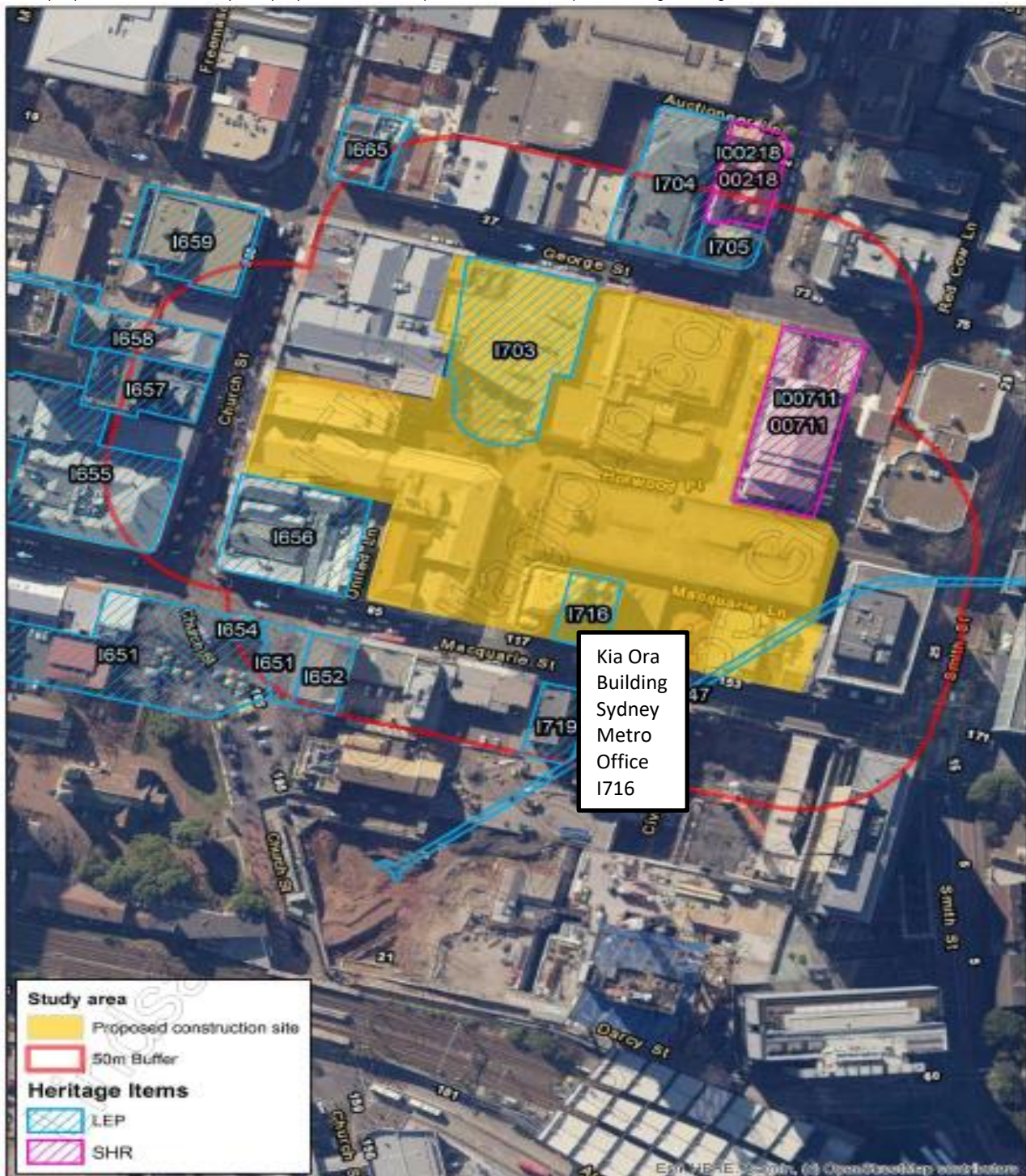
The archival recording was prepared in accordance with the endorsed Heritage Management Sub Plan for the Kia Ora and issued to the ER on the 29 November 2021.

Heritage listed items to be retained and protected are illustrated in the below figures across the construction sites:



**Figure 17 Parramatta metro station construction site heritage items map**

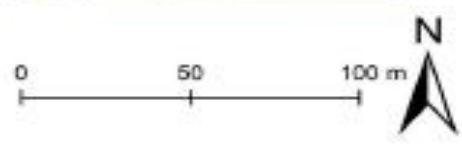
Source: Sydney Metro Westmead to The Bays and Sydney CBD Environmental Impact Statement Technical Paper 3 Non-Aboriginal Heritage



Document Path: D:\GIS\GIS\_Mapping\18260\_Sydney\_Metro\_West\PROJECT\Study area and heritage maps\_A\05-12-2019\18260\_ParramattaStation\_HeritageItems.mxd

**Parramatta Metro Station  
Heritage Items**  
18260 Metro West  
LGA: City of Parramatta

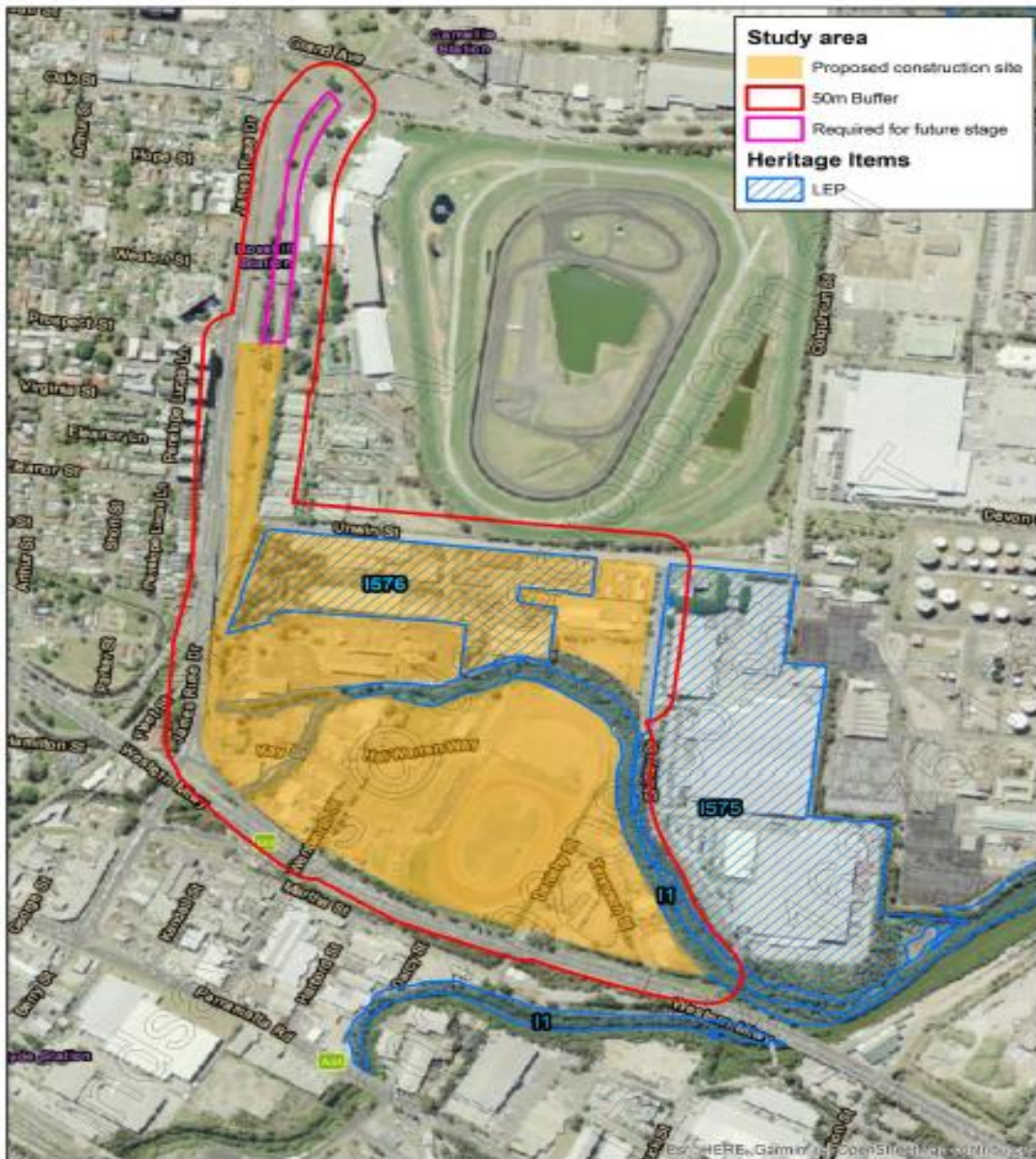
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DATE 5/12/2019





**Figure 18 Clyde site heritage items map**

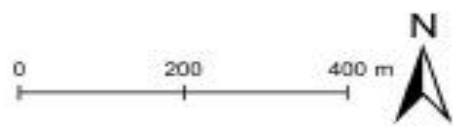
Source: Sydney Metro Westmead to The Bays and Sydney CBD Environmental Impact Statement Technical Paper 3 Non-Aboriginal Heritage



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**Clyde stabling and maintenance facility - Heritage Items**  
18260 Metro West  
LGA: City of Parramatta

SCALE 1:8,000  
SIZE A4  
DATE 5/12/2019





**Figure 19 Westmead site heritage items map**

Source: Sydney Metro Westmead to The Bays and Sydney CBD Environmental Impact Statement Technical Paper 3 Non-Aboriginal Heritage

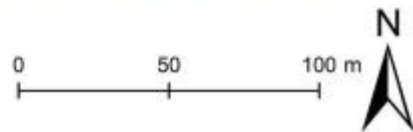


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**Westmead Metro Station**  
**Heritage Items**  
18260 Metro West  
LGA: City of Parramatta and Cumberland



SCALE 1:2,000  
SIZE A4  
DATE 5/12/2019



## 6 ONGOING ANALYSIS & MONITORING PERFORMANCE

### 6.1 Initial Risk Assessment

As part of the site establishment process, Delta SEF 006 - Environmental Aspects and Impacts Assessment will be completed as initial risk assessment. This will identify requirement for controls and ongoing monitoring of environmental. Risk assessment shown below. Works involved in the site establishment involved very little impact to the environment as it can be seen below. For tasks that are not described will be conducted under Low Impact Works with risk assessment carried for the specific task.



#### ENVIRONMENTAL ASPECTS & IMPACTS ASSESSMENT

Delta PL – ABN 67 007 069 794  
Head Office: 577 Plummer Street,  
Port Melbourne 3207  
03 9 646 8277

Project Information		
Project Name: Sydney Metro West	Site Address: Parramatta, Clyde, Westmead	Project no.: N1-409
Project Director: Ben Shum	Contact no.: 0423 796 946	Site Supervisor: tbc Contact no.:
Completed by: Swan Pyae	Communicated by Toolbox: To be done prior to commencement	Date 16/09/21

Month	Work Performed	Environmental Impacts (Tick where applicable)	Risk Level	Recommended Control Measures
Date: Oct-Nov 2021	Site establishment (setting up amenities and services for amenities)	<input type="checkbox"/> Erosion (Water & soil wearing away)	Low	Cease operations during raining weather; Avoid land disturbance on steep slopes.
	Investigation and survey works	<input checked="" type="checkbox"/> Stormwater Runoff	Low	Put sediment traps in place across a waterway or lower drainage; Cut off drains.
		<input type="checkbox"/> Puddles & De-watering	Low	Transfer water to a sediment control area to remove contaminants.
	Hazmat survey works	<input type="checkbox"/> Dust	High	Frequent water sprays; Vehicle exit wash; Water spray unsealed roads; Restrict works on windy days; Protect stockpiles from wind; Apply vehicle speed limit.
		Salvage works and noise & vibration assessment	<input type="checkbox"/> Dirty Roads	High
	Establishing environmental and sediment controls		<input type="checkbox"/> Stockpile and Batters	Medium
Establishing site security		<input type="checkbox"/> Work near Waterways & Flood plains	High	Schedule work to dry and low flow season; Avoid disturbance to banks.
	Establishing environmental and sediment controls	<input checked="" type="checkbox"/> Noise and Vibration	High	Strict operating hours; Noise monitoring; Install mufflers on vehicles and machinery; Install sound walls and barriers wherever appropriate; Maintain vehicles and machinery.
		Establishing site security	<input type="checkbox"/> Solid Waste	Medium
	Establishing site security		<input type="checkbox"/> Air Quality – Smoke & Odour	Medium
		Establishing site security	<input type="checkbox"/> Oil, Fuel, Diesel and Lubricant Leaks	High
	Establishing site security		<input checked="" type="checkbox"/> Chemicals and Dangerous Goods	High
Establishing site security		<input type="checkbox"/> Contaminated Materials and Soil	High	Such materials must be treated, transported and disposed by licensed facilities.
	Establishing site security	<input checked="" type="checkbox"/> Flora and Fauna	Medium	Biological assessments must be carried out before starting work; Use of pesticides should be limited; Organic materials must be treated appropriately.
Establishing site security		<input checked="" type="checkbox"/> Cultural and Historical Features	High	Cultural and historical heritage must be protected at all times.

SEF 006

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### 6.2 Program for Ongoing Analysis

#### 6.2.1 Site Inspection Report

A timetable of site inspections is provided in Table below.

##### Site Inspection Timetable

Inspection	Frequency	Content
Surveillance by Site Foreman	Daily	Environment
Daily Pre-start	Daily	Safety, environment, quality
Site Inspection	Weekly	Safety, environment
Environmental Inspection	Weekly	Environment
ER Inspection	Fortnightly (at discretion of ER)	Environment

### 6.3 Program for monitoring performance outcomes

#### 6.3.1 Site Audits

Delta carries out routine safety, environmental, and quality audits of all of its projects. Delta's Environmental management measures will be incorporated into these in accordance with Delta's IMS Procedure AUD 005 Audit Environmental.

Where Delta performs compliance audits of its systems and procedures, the Principal will be invited to participate in the audit planning and oversee conduct of the audit. Delta will later provide a copy of the audit report to the Principal.



Where sub-contractors are employed to deliver aspects of the Project, Delta will require its audit and surveillance requirements are maintained by the sub-contractor, and provide evidence that the sub-contractor’s activities are being effectively overseen by Delta. If requested by the Principal, Delta will provide evidence of the effective implementation of management systems and procedures by its sub-contractors.

Delta’s management plans, systems, and processes will be subject to audit and surveillance by the Principal to gain assurance that Delta has established effective management systems and processes to meet the requirements of the Contract. The Principal may utilise its own auditors and surveillance officers to perform these activities, supported by subject matter experts where relevant.

The audit and surveillance activities may include risk-based compliance testing, desktop review of documentation, inquiry and observation of activities, or review of developing processes or activities.

Delta will be cooperative in assisting the Principal’s auditors and surveillance officers in undertaking their duties. This will include providing safe access to sites, systems and documentation, providing facilities to perform audits and surveillance, and the participation of Delta and Subcontractor representatives as required.

A timetable of site audits is provided below.

**Table Site Audit Timetable**

Inspection	Frequency	Content
Internal HSEQ Audit	Monthly	Safety, environment, quality
Internal Project Audit	Monthly	Project objectives Project specific management plans and procedures
Principal’s Audit	As determined throughout contract	Project management plans, systems, and processes
Independent Environmental Audit	As determined by MCoA A39-A42	In accordance with the Independent Audit Post Approval Requirements

### 6.3.2 Noise and Vibration Monitoring

The objectives for establishing noise and vibration monitors are to:

- Minimise unreasonable noise and vibration impacts on residents and businesses;
- Avoid structural damage to buildings or heritage items as a result of construction vibration;
- Undertake active community consultation; and
- Maintain positive, cooperative relationships with schools, childcare centres, local residents and building owners.

Most activities involved in the site establishment will be low impact works with minimal noise and vibration generation. Plans and map of noise and vibration monitors are included in appendix B of this SEMP (Extract from current Construction Noise and Vibration Management Plan).

Noise and vibration monitoring will be undertaken using permanent installations at the nearest representative sensitive receivers around the demolition site. Results from these monitors shall be reviewed on a weekly basis to ensure ongoing compliance. Where complaints are received, additional monitoring may be conducted at the specific location of complaint.

Monitoring results shall be made available for access by key project stakeholders. Proposed permanent monitor locations are detailed the Noise and Vibration Management Sub Plan and Noise and Vibration Impact Assessments. The number and location of monitoring points shall be reviewed after an initial period of 2 - 3 months. Where noise and vibration levels are negligible and, in consideration of the works still to be completed, those levels are not expected to increase for the remainder of the project, consideration shall be given to the removal of redundant monitoring points.

## 7 APPENDIX A – ENVIRONMENTAL POLICY



### ENVIRONMENTAL MANAGEMENT POLICY (04)

#### POLICY STATEMENT

As part of our commitment to achieving the principles of responsible environmental management, sustainability and protection of the natural environment in our worksites, we recognise our legal and moral responsibility to ensure that our activities, products and services are designed to protect and enhance the environment in the communities in which we operate, and our obligations to ensuring that our operations do not place the natural environment or the local community at risk of harm.

#### AIMS AND OBJECTIVES

We are committed to environmental improvement and prevention of pollution. We will achieve this by working with our customers, suppliers and the community. To achieve these objectives we will –

- develop, implement and maintain a management system that addresses the requirements of ISO 14001;
- reduce waste through innovative work practices and recycling practices;
- minimise environmental impacts by reduction of polluting substances produced by our operations, activities, products or services;
- minimise the impact of our operations on the neighbouring community;
- increase the use of environmentally acceptable materials, equipment and technology in place of those which are considered harmful;
- ensure that our suppliers follow acceptable environmental policies; and
- actively promote environmental awareness among workers, clients, customers and the general public

At Delta Group we recognise that the overall responsibility environmental sustainability rests with management, who will be accountable for the implementation of this policy. These responsibilities include –

- ensuring that all environmental policies and procedures are implemented;
- establishing measurable objectives and targets to ensure continued improvement aimed at the elimination of waste, pollution and environmental harm;
- encouraging consultation and co-operation between management, workers and stakeholders in matters which may affect or impact on the environment; and
- providing adequate resources to meet these environmental commitments.

Workers responsibilities include –

- following all environmental policies and procedures; and
- recognising and reporting hazards which may affect the health and well-being of the environment.



**Jason Simcocks**  
CEO

#### AUSTRALIA WIDE

Head Office: 577 Plummer Street, Port Melbourne VIC 3207 / Ph: 03 9646 8277 Fax: 03 9646 6877 / delta@deltagroup.com.au

**1800 335 824 / DELTAGROUP.COM.AU**





## 8 APPENDIX B – NOISE AND VIBRATION MONITORING PLANS



Impact Category	Monitoring Category	Sensitive Receiver Category
Low Impact	Noise	Commercial
Moderate Impact	Regenerated Noise	Residential
High Impact	Vibration	Educational
Demolition Zone	Noise & Vibration	Subsurface Infrastructure
		Childcare
		Place of worship
		Public Building
		Heritage



www.osterman.com.au

Sydney Metro Demolition - Parramatta  
Noise and Vibration Sensitive Receivers

Date: 21/08/2021  
Created by: MDS  
Project No: 0121.023



The contents within this document are based on third party data. The accuracy of the information can not be guaranteed.



Impact Category	Monitoring Category	Sensitive Receiver Category
Low Impact	Noise	Commercial
Moderate Impact	Regenerated Noise	Residential
High Impact	Vibration	Educational
Demolition Zone	Noise & Vibration	Industrial
		Childcare
		Place of worship
		Public Building
		Heritage



www.osterman.com.au

Sydney Metro Demolition - Clyde  
Noise and Vibration Sensitive Receivers

Date: 24/08/2021  
Created by: MDS  
Project No: 0121.023



The contents within this document are based on third party data. The accuracy of the information can not be guaranteed.





Impact Category	Monitoring Category	Sensitive Receiver Category	
<span style="display:inline-block; width:15px; height:15px; background-color:lightgreen; border:1px solid black;"></span> Low Impact	<span style="display:inline-block; width:15px; height:15px; border:1px solid blue; border-radius:50%;"></span> Noise	<span style="display:inline-block; width:15px; height:15px; border:1px solid blue; border-radius:50%;"></span> Commercial	<span style="display:inline-block; width:15px; height:15px; border:1px solid purple; border-radius:50%;"></span> Childcare
<span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span> Moderate Impact	<span style="display:inline-block; width:15px; height:15px; border:1px solid orange; border-radius:50%;"></span> Regenerated Noise	<span style="display:inline-block; width:15px; height:15px; border:1px solid red; border-radius:50%;"></span> Residential	<span style="display:inline-block; width:15px; height:15px; border:1px solid yellow; border-radius:50%;"></span> Place of worship
<span style="display:inline-block; width:15px; height:15px; background-color:orange; border:1px solid black;"></span> High Impact	<span style="display:inline-block; width:15px; height:15px; border:1px solid red; border-radius:50%;"></span> Vibration	<span style="display:inline-block; width:15px; height:15px; border:1px solid yellow; border-radius:50%;"></span> Educational	<span style="display:inline-block; width:15px; height:15px; border:1px solid brown; border-radius:50%;"></span> Public Building
<span style="display:inline-block; width:15px; height:15px; background-color:lightblue; border:1px solid black;"></span> Demolition Zone	<span style="display:inline-block; width:15px; height:15px; border:1px solid blue; border-radius:50%; border:1px solid red;"></span> Noise & Vibration	<span style="display:inline-block; width:15px; height:15px; border:1px solid green; border-radius:50%;"></span> Subsurface Infrastructure	<span style="display:inline-block; width:15px; height:15px; border:1px solid lightblue; border-radius:50%;"></span> Heritage



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**Sydney Metro Demolition - Westmead  
Noise and Vibration Sensitive Receivers**

Date: 23/08/2021  
Created by: MDS  
Project No: 0121.023



The contents within this document are based on third party data. The accuracy of the information can not be guaranteed.



## 9 APPENDIX C – CONSULTATION EVIDENCE

15 December 2021

██████████  
Director Sustainability, Environment  
& Planning  
Metro West  
Sydney Metro  
Transport for NSW  
PO Box K659  
HAYMARKET NSW 1240

REF: SEMP REV4

Dear ██████████

**RE: Sydney Metro Parramatta, Clyde and Westmead Enabling works: Site Establishment Management Plan (SEMP Rev4)**

I refer to Sydney Metro's (SM) submission of the following document required by Condition A17 of the Sydney Metro West Infrastructure Approval (SSI 10038) which was approved by the Department of Planning, Industry and Environment (DPIE) on 11 March 2021:

- Sydney Metro West, Delta Group Site Establishment Management Plan (SEMP Rev4 dated 15 December 2021).

It is noted that:

- The SEMP has been developed in accordance with the Condition A17 for the establishment of site ancillary facilities. An initial version of the SEMP was approved by the ER on 27 September 2021. This revision of the SEMP includes changes that relate to the use of the KiaOra Building (owned by Sydney Metro) as a project office by Sydney Metro. There are no planned changes to the building by Sydney Metro and Sydney Metro has confirmed that there will be no impacts to the building through their use of the building.
- DPIE has nominated the ER to endorse the SEMP under Condition A19 in a letter dated 24 September 2021.
- Previous versions of the document have been reviewed and updated following comments from the ER.
- Sydney Metro has also reviewed and commented on the document.
- Following the above reviews the document is considered to contain information required by the Conditions of Approval (SSI 10038) in relation to the SEMP (Condition A17).



As the approved Environmental Representative for the Metro West and as required by Conditions A30(d) and A17, on the basis of the above comments the Site Establishment Management Plan (SEMP Revision 4) is endorsed.

The endorsement is conditional upon Sydney Metro consulting Council in regard to the planned use of the building as a site office prior to use of the building and responding to any reasonable requirements of Council. The requirements of the original endorsement remain relevant i.e. Delta (and or Sydney Metro) obtaining and complying with any relevant approval, licence or permit required for the works; complying with relevant Conditions of Approval as they relate to the works; and appropriate notifications being issued prior to the works.

Yours sincerely



Environmental Representative – Sydney Metro West – Power Enabling Works

CC: 