INDEPENDENT AUDIT PROGRAM

SYDNEY METRO WEST – STAGE 1

SSI 10038

MARCH 2023

Authorisation

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1.0	09/08/22	For issue
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Report Name: Independent Audit Program – Sydney Metro West | SSI 10038

Project No.: 559

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CONTENTS

1. INTRODUCTION

This document outlines Sydney Metro's Audit Program for Sydney Metro West Stage 1 (State Significant Infrastructure (SSI) 10038).

The Audit Program was developed by the appointed Independent Auditor (WolfPeak) in consultation with Sydney Metro and the Department. It takes a strategic and risk-based approach to auditing, focusing the audit effort on identified construction and design activities and work programs that pose the greatest risk to the community and environment, where timely interventions and improvements will result in improved environmental performance and outcomes, and where compliance with Conditions of Approval is paramount in avoiding significant impacts.

The Audit Program sets out how the requirements from the Department's *Independent Audit Post Approval Requirements Guideline (2020)* (the PAR) have been adopted and the process to be followed for establishing the scope and timing for audits that differs from the PAR for the 2023 calendar year.

Once approved by the Department, this Audit Program will supersede the PAR. Any updates or extensions to this Audit Program will require approval from the Department prior to being adopted.

2. BACKGROUND

2.1 Project overview

Sydney Metro is responsible for delivery of the Sydney Metro West, which involves construction and operation of a new 24-kilometre metro line that would connect Greater Parramatta with the Sydney CBD. Confirmed stations include Westmead, Parramatta, Sydney Olympic Park, North Strathfield, Burwood North, Five Dock, The Bays and Sydney CBD.

The planning approvals and environmental impact assessment for Sydney Metro West have been staged in recognition of the size of the Project.

This includes the Sydney Metro West Concept and the following stages (as depicted in Figure 1, below):

- Stage 1 – All major civil construction works including station excavation and tunnelling between Westmead and The Bays
- Stage 2 – All major civil construction works including station excavation and tunnelling between The Bays to Sydney CBD
- Stage 3 – Tunnel fit-out, station building and operation of the line between Westmead to Sydney CBD.

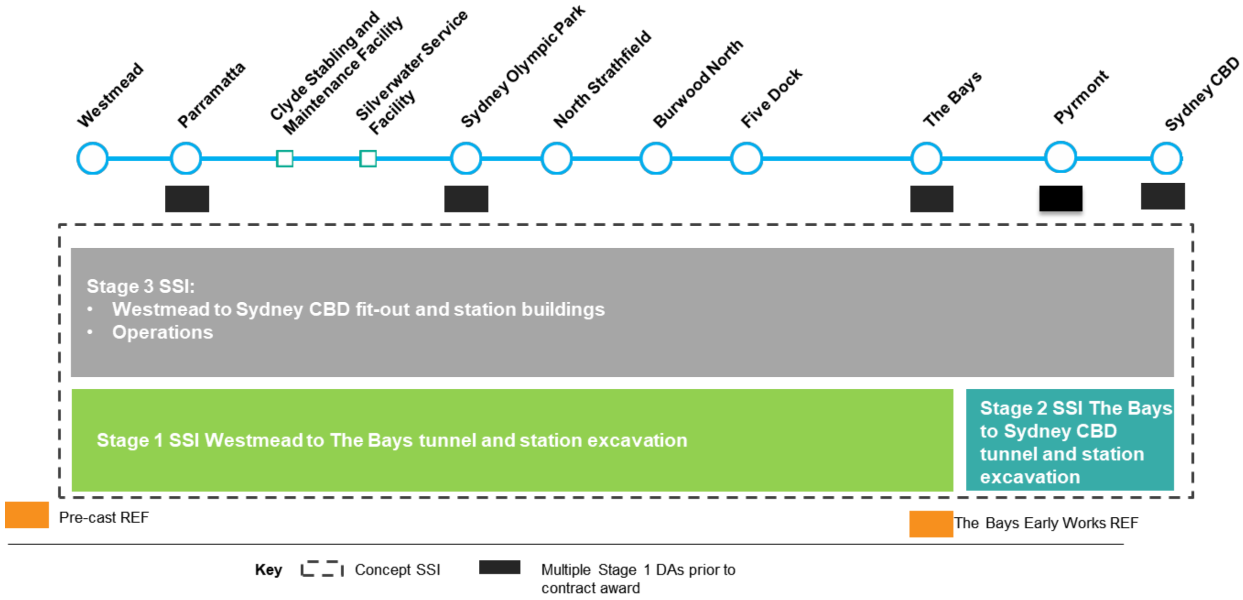

Figure 1: Sydney Metro West Planning Approval Strategy (source: Project Staging Report, rev 1.4)

Approval for the Concept and Stage 1 works was granted in State Significant Infrastructure (SSI) 10038 by the Minister for Planning and Public Spaces on 11 March 2021, subject to a number of conditions. The Stage 1 works involve major civil construction work between Westmead and The Bays, including:

- Enabling works such as demolition, utility supply to construction sites, utility adjustments and modifications to the existing transport network
- Tunnel excavation including tunnel support activities
- Station excavation for new metro stations at Westmead, Parramatta, Sydney Olympic Park, North Strathfield, Burwood North, Five Dock and The Bays
- Shaft excavation for services facility at Rosehill (within the Clyde stabling and maintenance facility construction site)
- Civil work for the stabling and maintenance facility at Clyde including earthworks and structures for crossings of A'Becketts Creek and Duck Creek; and
- Excavation of a tunnel dive structure and associated tunnels at Rosehill to support a connection between the Clyde stabling and maintenance facility and the mainline metro tunnels.

The location of the Sydney Metro West line in the context of the broader Sydney Metro network is shown in Figure 2. An overview of the Sydney Metro West Project is shown in Figure 3.

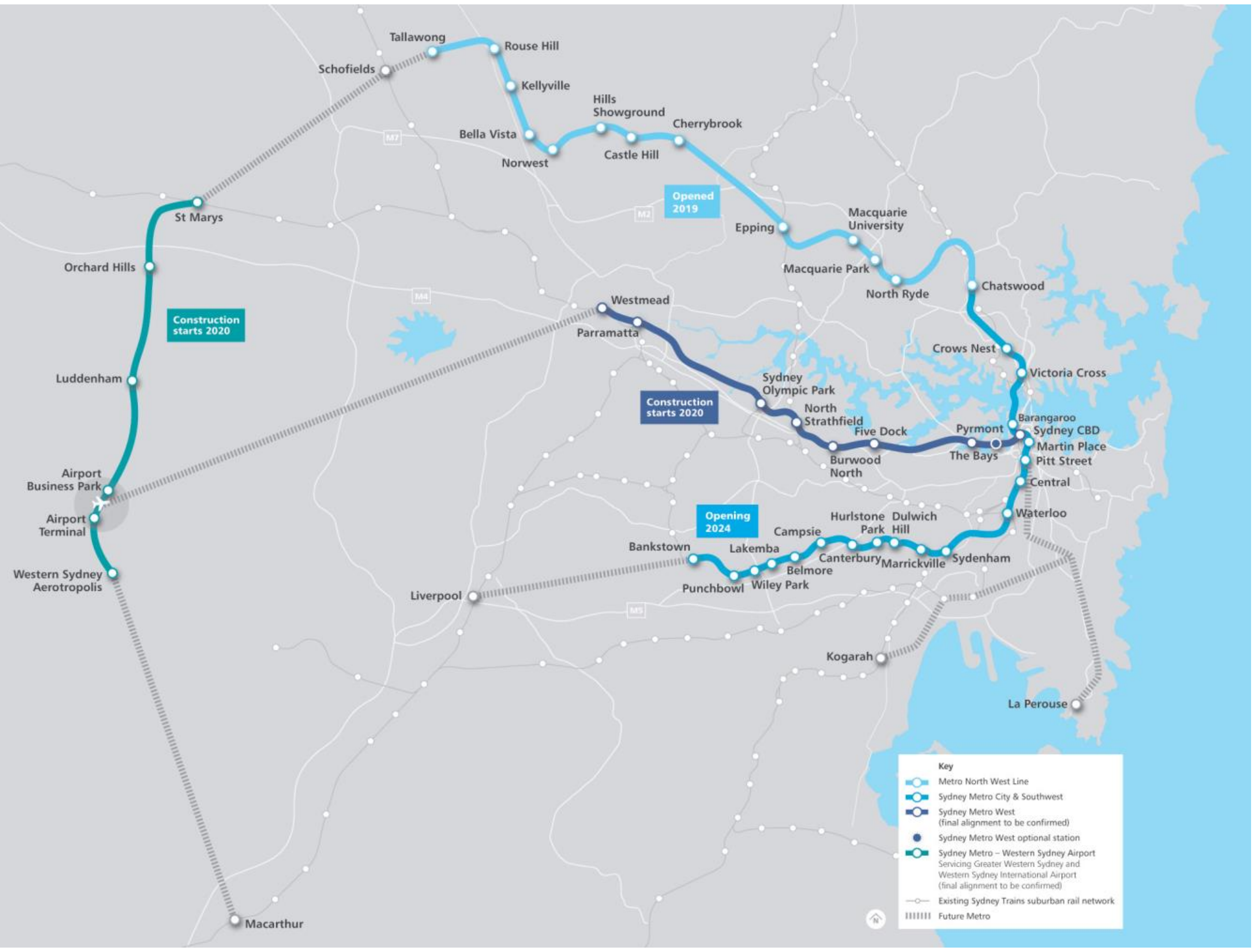

Figure 2: The Sydney Metro network (source: Project RtS)

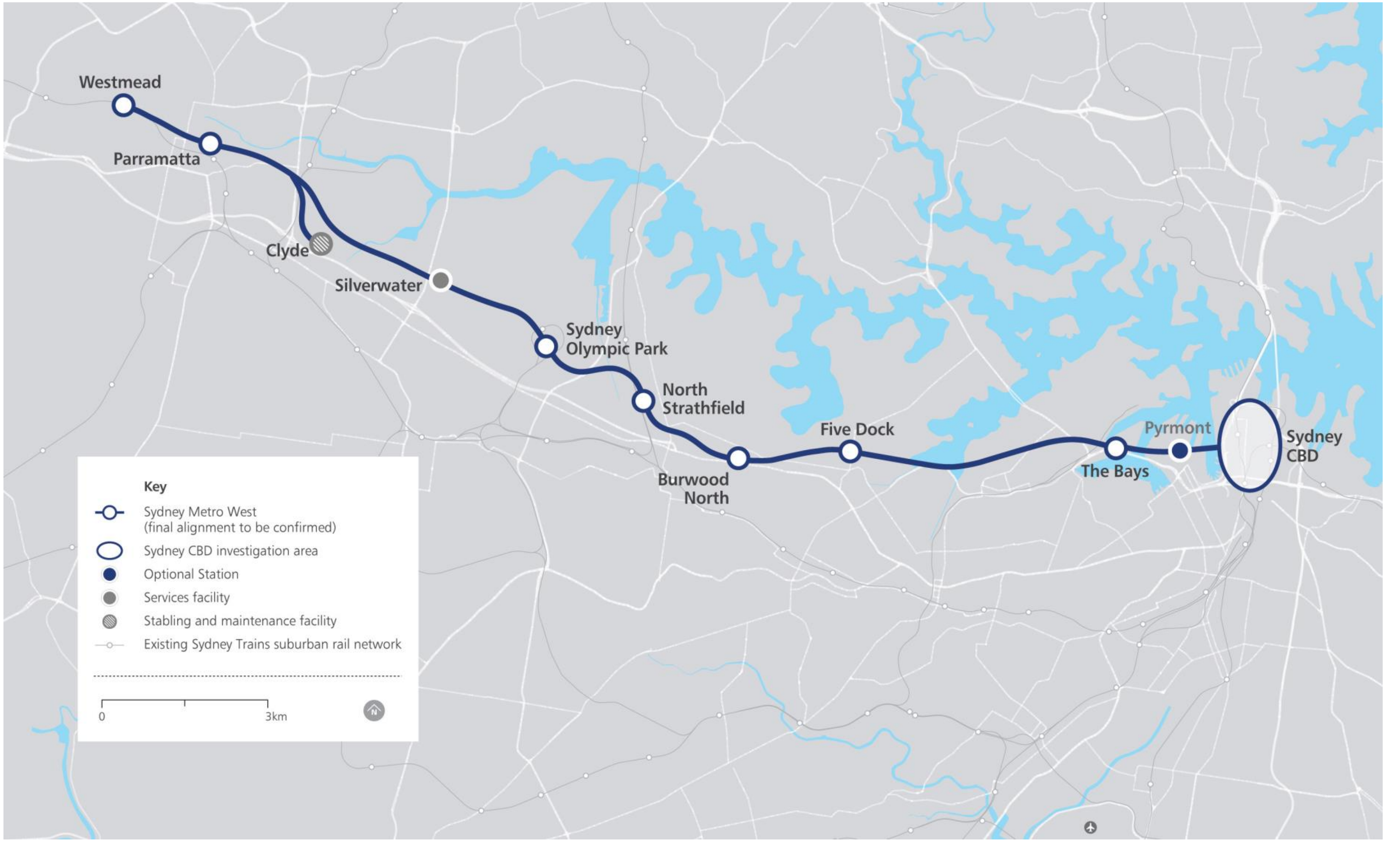

Figure 3: Sydney Metro West overview (source: Project RtS)

A Phasing Report has been prepared and approved for the Project: *Sydney Metro West Stage 1 – Phasing Report*, Revision 1.4, 1 May 2022. In line with this Report, construction of Stage 1 is being phased. Table 1 presents a summary of the construction phases for Stage 1 (as set out in the Phasing Report). A description of each phase is included in the Phasing Report.

Table 1: Overall Planning Approval and Delivery Strategy for Sydney Metro West Stage 1 (source: Sydney Metro West Stage 1 – Phasing Report, Revision 1.4, 1 May 2022)

Phased Delivery	Indicative Construction Commencement Date	Completion Date	Delivery Contractor
Phase A - Power Enabling Works	Jul 2021	Oct 2022	Quickway
Phase B1 - Central Tunnelling Early Works	Jan 2022	Jan 2025	Acciona Ferrovial Joint Venture (AFJV)
Phase B2 - Central Tunnelling Main Works	Jul 2022	Jan 2025	
Phase C1 – Parramatta, Westmead and Clyde Demolition Works	Dec 2021	Aug 2022	Delta Group (Delta)
Phase C2 – Parramatta and Clyde Archaeological Works	Mar 2022	Oct 2022	Delta Group (Delta)
Phase D – Greater Sydney Road Works	This Phase is removed		
Phase E – Existing Rail Corridor Enabling Works	Low Impact Works Commence October 2021	March 2023	TBC
Phase F – Western Tunnelling	Jun 2022	Aug 2025	Gamuda Australia and Laing O'Rourke Joint Venture (GOL)

Note 1: Grey shade indicates that the construction works associated with the phase have been completed at the time of writing this Audit Program.

2.2 Audit Program background

Sydney Metro, as the Project proponent, is required to engage an Independent Auditor to audit compliance against its Conditions of Approval. SSI 10038 condition A39 requires that Independent Audits be conducted and carried out in accordance with the *Independent Audit Post Approval Requirements (DPIE, 2020)* (the PAR).

Condition A39.1 allows for a departure from the PAR where this is through an Audit Program approved by the Planning Secretary. Condition A39.1 states:

> *Notwithstanding Condition A39, the Proponent may prepare an audit program to outline the scope and timing of each independent audit that will be undertaken during construction. If prepared, the audit program must be developed in consultation with, and approved by, the Planning Secretary before commencement of the first audit and implemented throughout construction.*

Sydney Metro has sought endorsement from the Department for a risk-based Audit Program which establishes the scope and timing for Independent Audits different to that defined under the PAR.

Sydney Metro has engaged the services of WolfPeak as its Independent Auditor to support the development and delivery of this Audit Program.

WolfPeak has developed the Audit Program in a manner consistent with the relevant parts of *AS/NZS ISO 19011.2019 – Guidelines for Auditing Management Systems* and the relevant parts of the Department's PAR. WolfPeak has adopted an iterative and consultative approach with both Sydney Metro and the Department in its development.

In accordance with Condition A39.1, Sydney Metro and WolfPeak consulted with the Department throughout the development of this Audit Program.

3. PURPOSE AND SCOPE

The purpose of this Audit Program is to satisfy Condition A39.1 and establish a program of Independent Audits. In doing so, it sets out:

- how the requirements from the PAR have been adopted
- the process to be followed for establishing the scope and timing for audits based on risk, and which differs from the PAR
- the procedure for conducting the Independent Audits in accordance with the PAR (where relevant) and the Audit Program, and
- the scope and timing for audits for 2023.

This Audit Program covers construction, design activities and works in the Sydney Metro West Stage 1 packages listed in Table 1 of this document, and all persons engaged in those works, including Sydney Metro and its contractors and consultants.

4. APPROACH

This Audit Program adopts a strategic and risk-based approach to Independent Audits which focus the audit effort on construction, design activities and works programs that are likely to pose a significant risk to the environment, community and integrity of the regulatory planning framework.

The Audit Program is intended to capture a wide range of higher risk construction and design activities across the Sydney Metro packages where likely environmental and community impacts are deemed to be material. Materiality and risk factors considered in the prioritisation of construction and design activities and works programs to be audited included:

- the scale, complexity and intensity of specific construction and design activities / works
- commonality and representation of construction and design activities and work programs across all packages
- the significance of the potential environmental and community impacts.

The criteria for selecting the location of higher risk construction and design activities and works programs to be audited also included:

- areas of high biodiversity value that may be significantly impacted (e.g. presence of endangered ecological communities or threatened species)
- presence of heritage or archaeological items of high significance
- the presence of sensitive environmental and community receptors where there may be significant exposure to noise & vibration, air pollution, water pollution and traffic.

Capturing common and representative higher risk activities will allow for audit findings, corrective actions, recommendations, lessons learnt and solutions to be shared and applied across similar construction and design activities and works programs, creating further opportunities for increased environmental performance and continuous improvement.

5. APPLICATION OF THE PAR

Table 2 sets out how each part of the PAR will be adopted for Independent Audits on the Project following approval of the Audit Program under Condition A39.1.

Table 2: Application of the Department's Independent Audit PAR on Sydney Metro West, following approval of the Audit Program.

Independent Audit Post Approval Requirements section reference	Degree of application on Sydney Metro West following approval of this Audit Program
Section 2 – Independent Audit frequency	Applied in full / included in scope. Refer Section 6 of this Audit Program.
Section 3.1 – Selection and agreement to the Auditors and technical specialists	Applied in full / included in scope. Refer Section 7.1 of this Audit Program.
Section 3.2 – Scope development.	Applied in full / included in scope. Refer Section 7.2 of this Audit Program.
Section 3.3 – Audit scope	(next page)

Independent Audit Post Approval Requirements section reference	Degree of application on Sydney Metro West following approval of this Audit Program
1. an assessment of compliance with: a) all conditions of consent applicable to the phase of the development that is being audited. Should there be any uncertainty to which conditions are to be audited, the auditor can seek clarification during the consultation as per Section 3.2; b) all post approval and compliance documents prepared to satisfy the conditions of consent, including an assessment of the implementation of Environmental Management Plans and Sub-plans; and c) all environmental licences and approvals applicable to the development excluding environment protection licences issued under the Protection of the Environment Operations Act 1997 or as otherwise agreed by the Secretary.	Applied in part. Each audit to include an assessment of compliance as defined in the agreed risk-based scope (set out in the Scoping Statement). Refer Section 7.2 of this Audit Program.
2. a review of the environmental performance of the development, including but not necessarily limited to, an assessment of: a) actual impacts compared to predicted impacts documented in the environmental impact assessment; b) the physical extent of the development in comparison with the approved boundary; c) incidents, non-compliances and complaints that occurred or were made during the audit period; d) the performance of the development having regard to agency policy and any particular environmental issues identified through consultation carried out when developing the scope of the audit; and e) feedback received from the Department, and other agencies and stakeholders, including the community or Community Consultative Committee, on the environmental performance of the project during the audit period;	Applied in part. Each audit shall include an assessment of environmental performance as defined in the agreed risk-based scope (set out in the Scoping Statement). In addition, each audit shall include a review of ALL (i.e.: Project wide) incidents, non-compliances and complaints for the audit period. Refer Section 7.2 of this Audit Program.
3. the status of implementation of previous Independent Audit findings, recommendations and actions (if any);	Applied in full / included in scope. Refer Section 7.2 of this Audit Program.
4. a high-level assessment of whether Environmental Management Plans and Sub-plans are adequate; and	Applied in part. Each audit shall include an assessment of Environmental Management Plans and Sub-plans as defined in the agreed risk-based scope (set out in the Scoping Statement). Refer Section 7.2 of this Audit Program.

Independent Audit Post Approval Requirements section reference	Degree of application on Sydney Metro West following approval of this Audit Program
5. any other matters considered relevant by the auditor or the Department, taking into account relevant regulatory requirements and legislation, knowledge of the development's past performance and comparison to industry best practices.	Applied in full / included in scope.
Section 3.4 – Opening and closing meetings	Applied in full on the auditee/s defined in the agreed risk-based scope (set out in the Scoping Statement). Refer Section 7.3 of this Audit Program.
Section 3.5 – On-site interviews	Applied in full on the auditee/s and site/s defined in the agreed risk-based scope (set out in the Scoping Statement). Refer Section 7.4 of this Audit Program.
Section 3.6 – Site inspections	Applied in full on the auditee/s and site/s defined in the agreed risk-based scope (set out in the Scoping Statement). Refer Section 7.5 of this Audit Program.
Section 3.7 – Evaluation of compliance	Applied in full on the auditee/s, phase/s and site/s defined in the agreed risk-based scope (set out in the Scoping Statement). Refer Section 7.6 of this Audit Program.
Section 3.8 – Compliance status descriptors	Applied in full on the auditee/s, phase/s and site/s defined in the agreed risk-based scope (set out in the Scoping Statement). Refer Section 7.7 of this Audit Program.
Section 4.1 – Independent Audit Report version control	Applied in full / included. Refer Section 8 of this Audit Program.
Section 4.2 – Independent Audit Report content	Applied in full covering the auditee/s, phase/s and site/s defined in the agreed risk-based scope plus the 'entire Project' matters as set out in this Audit Program (and as set out in the Scoping Statement). Refer Section 8 of this Audit Program.
Section 4.3 – Independent Audit Report proponent review and response	Applied in full / included. Refer Section 8 of this Audit Program.

Independent Audit Post Approval Requirements section reference	Degree of application on Sydney Metro West following approval of this Audit Program
Section 4.4 – Independent Audit Report declaration	Applied in full / included. Refer Section 8 of this Audit Program.
Section 4.5 – Independent Audit Report submission	Applied in full / included. Refer Section 10 of this Audit Program.
Section 4.6 – Independent Audit Report submission format	Applied in full / included. Refer Section 8 of this Audit Program.
Section 4.7 – Independent Audit Report review	Applied in full / included. Refer Section 9 of this Audit Program.

6. INDEPENDENT AUDIT TIMING AND FREQUENCY

Independent Audits will be conducted generally consistent with the frequency identified in the PAR, as is presented in Table 3. The timeframes in Table 3 include completion of all activities required within the nominated audit days.

Table 3: Audit frequency

Phase	Initial Independent Audit	Ongoing Independent Audits
Construction	Within 12 weeks of the commencement of construction[1]	At no greater than 6 monthly intervals
Operations	Within 26 weeks of the commencement of operation	At intervals no greater than 3 years or as otherwise agreed by the Secretary.

Notes:

1. The initial construction phase Independent Audit was completed in April 2022.

As per the PAR, in the circumstances where both construction and operation phases of a development are being carried out at the same time, the frequency of auditing that applies after the initial Independent Audit is that which is applicable to the phase of the development being carried out, for example, at least every 26 weeks for the construction phase, but every 3 years for the operational phases.

Each Independent Audit Report and the Sydney Metro’s response to audit findings must be submitted to the Planning Secretary within two (2) months of undertaking the independent audit site inspection (i.e.: submitted in October and April each year), unless otherwise agreed by the Planning Secretary.

A calendar of deliverables is presented in Table 4.

Table 4: Calendar of deliverables

Month	Deliverables for first Independent Audit each calendar year	Deliverables for second Independent Audit each calendar year
December	Submission of request for auditor approval to the Department. Submission of request for input into Independent Audit scope to the Department (accompanied by Scoping Statement)	
January		
February	Independent Audit (opening and closing meetings, inspections and interviews)	
March		
April	Submission of Independent Audit Report to the Department.	
May		
June		Submission of request for auditor approval to the Department. Submission of request for input into Independent Audit scope to the Department (accompanied by Scoping Statement)
July		
August		Independent Audit (opening and closing meetings, inspections and interviews)
September		
October		Submission of Independent Audit Report to the Department.
November		

7. INDEPENDENT AUDIT METHODOLOGY

7.1 Selection and agreement to the audit team

Section 3.1 of the PAR requires that Independent Audits must only be undertaken by a suitably qualified, experienced and independent auditor. The appointment of the auditor must be agreed in writing by the Planning Secretary before each audit is commissioned unless otherwise agreed by the Department. This requirement is echoed in Condition A40.

Prior to each Independent Audit, Sydney Metro will submit an application to the Department for approval of the nominated audit team. This will be submitted to the Department two months prior to each Independent Audit (i.e.: submitted in June and December each year).

The application must include:

- the curriculum vitae of the proposed auditor and any proposed audit team members, which must include details of how the competence requirements detailed at 3.1.1 (of the PAR) are met; and
- a written declaration from the proposed auditor and any proposed audit team members establishing how they meet the independence requirements detailed at 3.1.2 (of the PAR).

The Independent Audits must not commence until the proposed auditor and/or audit team has been agreed to in writing by the Department.

The Department's response agreeing to the auditor/audit team must be appended to each Independent Audit Report.

7.2 Scope development

7.2.1 Allocation of audit effort

Each Independent Audit would involve up to five days[1] of audit effort covering opening and closing meetings, site inspections, interviews, document reviews and drafting of the checklist (together, defined as 'audit days'). This will help ensure that the timeframes specified in the PAR and in Section 6 of this Audit Program are met. The audit days would be allocated as follows:

- Three audit days would be allocated to the matters set out in the Scoping Statement as submitted to the Department.
- Two days would be retained for matters raised by the Department (or other parties consulted with) during consultation on the audit scope.

The five audit days may, or may not be consecutive, but all matters to be assessed shall be considered within the nominated audit days.

[1] The number of 'audit days' may be adjusted upwards in the event Sydney Metro West Stages 2 and 3 are integrated into this program. Integration would not occur without prior approval from the Department.

In the event that the matters to be audited cannot be accommodated within the five days, the Auditor would refine the audit scope in consultation with the Department so that the five audit day allocation can be achieved.

7.2.2 Defining scope based on risk

In order to enable the Independent Audits to focus on matters with material risk the scope would be informed by:

- the potential risks identified in the environmental risk analysis presented in Chapter 28 of the Environmental Impact Statement (EIS)[2] as having a “very high” or “high” unmitigated risk rating (and their associated conditions within the Project Approval)
- a review of the likelihood of risks, from the EIS, for the preceding six months based on actual construction and design works and their impacts on the environment and community.[3]
- any relevant matters identified by the Department and other consulted parties.

Chapter 28 of the EIS is included in Appendix A.

The ratings from Chapter 28 of the EIS have been translated onto the Conditions of the Approval to understand which conditional requirements are associated with higher risks compared to lower risks and, therefore, which requirements attract a greater audit focus. The rated conditions are presented in Appendix B, along with the recommended timing of inclusion in the scope of an Independent Audit.

Prior to each audit, risk reviews will be completed by Sydney Metro in conjunction with the Auditor to help understand which impacts did occur or were likely to have occurred and which conditions were relevant to the activities undertaken on the Project in the preceding six months.

The review will be informed by:

- physical construction and design activities undertaken in the preceding six months as stated in the Project progress reports (or similar)
- the number, nature, source and locations of complaints received as recorded in the Sydney Metro West complaints register
- the number, nature (including severity), source and locations of incidents as recorded on the Sydney Metro West incidents register
- findings from the preceding Independent Audit
- findings from the Environmental Representative and Acoustic Advisor Monthly Reports
- notices from the regulators (the Department and the EPA).

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[2] Environmental Impact Statement, Sydney Metro, 15 April 2020.

[3] The risk ratings from Chapter 28 of the EIS consider the consequence of a hazard being realised and the likelihood of it occurring at some time throughout the Project lifecycle. Whilst the consequence of a hazard would remain largely consistent regardless of when it is realised, the likelihood of a hazard being realised within any given audit period will change depending on the activities being undertaken. Therefore the review of risks will focus on likelihood, and not consequence.

The output of the review shall be a Scoping Statement. A Scoping Statement will be prepared for each Independent Audit and shall identify:

- The audit period
- The auditee/s (i.e.: the organisations subject to audit)
- The sites to be inspected
- The conditions and requirements subject to audit within three ‘audit days’ as specified in Section 6
- The applicable milestones for delivery (i.e.: the month of the audit and the month of submission of the final Audit Report).

The Scoping Statement will be submitted to the Department as part of the consultation on the audit scope in accordance with Section 7.2.3 of this Program.

7.2.3 Consultation

Consistent with the PAR, the auditor will consult with the Department to obtain its input on the scope of each Independent Audit. The Department may request other parties to be consulted with.

Consultation on the audit scope would be submitted to the Department two months prior to each Independent Audit (i.e.: submitted in June and December each year). The request for input on the audit scope would be accompanied by the Scoping Statement.

Areas or issues identified by the Department or other stakeholder, where not already identified within the Scoping Statement that is submitted to the Department, would be included in the audit scope. Two audit days would be allocated for the audit of matters raised by the Department or other stakeholder. Refer to Section 7.2.1 regarding refining of scope in the event that the total scope cannot be accommodated within the nominated five audit days.

The Scoping Statement would be updated following feedback from the Department and other parties as required so as to identify the full audit scope to be executed for each audit.

Comments received during consultation that have been included in the audit scope must be reported in the Independent Audit Report. Specific environmental issues raised during consultation would be investigated and findings of the investigation must be reported in the Independent Audit Report. Where requests are not reasonable or outside of scope, justification of their exclusion must be included in the Audit Report.

7.2.4 Audit scope

The scope of each Independent Audit would comprise the following:

- An assessment of the auditees, activities and requirements identified as being subject to audit in the Scoping Statement, including:
    - An assessment of compliance with:
        - All conditions identified as being subject to audit within the Scoping Statement

- All post approval and compliance documents applicable to the conditions identified as being subject to audit within the Scoping Statement
    - All environmental licences and approvals applicable to the activities identified as being subject to audit within the Scoping Statement.
  - A review of the environmental performance of the activities and auditees identified as subject to audit in the Scoping Statement, including but not necessarily limited to, an assessment of:
    - Actual impacts compared to predicted impacts documented in the environmental impact assessment[4]
    - The physical extent of the activities subject to audit in comparison with the relevant parts of the approved boundary[5]
    - The performance of the auditee/s and activities subject to audit having regard to agency policy and any particular environmental issues identified through consultation carried out when developing the scope of the audit; and
    - Feedback received from the Department, and other agencies and stakeholders, including the community or Community Consultative Committee (if there is one for the Project), on the environmental performance of the auditee/s and activities subject to audit during the audit period
  - A high-level assessment of the adequacy of the Environmental Management Plans and Sub-plans relevant to the activities and auditees identified as subject to audit in the Scoping Statement
- A review of:
  - ALL (i.e.: Project wide) incidents, non-compliances and complaints that occurred or were made during the audit period

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[4] The EIS and RtS included a range of studies and predictions that relied on observation, measurement and modelling of the existing environments and potential outcomes arising from the Project. Full assessment of the accuracy of these predictions would also require a significant number of studies involving measurement and modelling using actual data points as inputs. Other than the construction requirements specified in the Conditions and REMMs (and associated management plans), to the Auditor's knowledge there are no requirements to undertake such studies and doing so does not form part of an Independent Audit. Any such comparison would be high level and qualitative only. With respect to conditions or requirements relating to compliance with the design, Building Codes of Australia (BCA) or satisfaction of the Independent Verifier / Certifier / Certifying Authority, the Independent Audits may rely on confirmation from the Independent Verifier / Certifier / Certifying Authority that this is the case. The Independent Audits do not extend to a verification of the works against the design or BCA requirements themselves, nor do they examine the steps the Independent Verifier / Certifier / Certifying Authority has taken to verify that the design is compliant.

[5] Physical assessment of boundaries would be completed by observation only and based on the EIS / RtS and any subsequent modifications and consistency assessments. Measurement, survey or geospatial comparison would not be included.

- The status of implementation of ALL previous Independent Audit findings, recommendations and actions (if any) that were open at the time of finalising the preceding Audit Report

- Any other matters considered relevant by the auditor or the Department, considering relevant regulatory requirements and legislation, knowledge of the development's past performance and comparison to industry best practices.

7.3 Opening and closing meetings

Opening and closing meetings will be conducted and recorded in accordance with the PAR.

The Independent Audits must commence with an opening meeting and conclude with a closing meeting. More than one opening meeting and closing meeting may be conducted where there are multiple contractors or phases involved. The meetings must be attended by a representative of Sydney Metro and its contractors at manager level or above, the auditor and technical specialists (if any).

During the opening meeting the objectives of the audit, the scope of the audit, the resources required and methodology to be applied must be discussed. At the closing meeting, preliminary audit findings must be presented, recommendations (if appropriate) must be made, and any post-audit actions must be confirmed.

A register of attendees (including their name and position title) for the opening and closing meetings is to be recorded and a copy of the registers provided with the Audit Report. The dates of the opening and closing meetings must also be included.

7.4 Interviews

Interviews will be conducted and recorded in accordance with the PAR.

Independent Audits must include interviews with key personnel involved in project delivery, including those with responsibility for environmental management, to assist with verifying the compliance status of the Project.

Auditors must be provided with reasonable access to the key site personnel as required by each Independent Audit scope.

The interview date(s) and role of interviewees must be included in the Independent Audit Report

7.5 Site inspection

Site inspections will be conducted in accordance with the PAR.

Independent Audits must include a physical site inspection. The site inspection must cover all development areas and environmental aspects that form part of the scope of each Independent Audit (as defined in the Scoping Statement).

The auditee/s must provide the auditor with reasonable access to all requested areas and activities, where safe to do so.

If the Auditor considers restricted access has limited their ability to adequately undertake the audit as scoped, it must be noted in the Independent Audit Report. Recommendations to overcome the restricted access (where feasible) must be proposed for subsequent Independent Audits.

7.6 Evaluation of compliance

Evaluation of compliance will be conducted in accordance with the PAR for the auditee/s and activities identified as being within the audit scope.

Compliance with Conditions of Approval

An Audit Table must be prepared identifying each condition subject to audit. The Audit Table must be included as an Appendix to the Independent Audit Report. For each condition audited, the evidence used to verify compliance (or otherwise), commentary around the findings and recommendations, and the applicable compliance status descriptor must be documented in the Audit Table.

Independent Audit findings must be based on verifiable evidence. Evidence must be collected using the following methods (as relevant):

- review of relevant records, documents and reports (including details such as any relevant document reference, the date of the document, revision number and author)
- interviews of relevant site personnel
- photographs (including the date the photograph was taken)
- GIS figures and associated shapefiles (as relevant and available)
- site inspections of relevant locations, activities and processes
- monitoring data and analysis including the period covered by the monitoring data; and
- delivery records, invoices and receipts including the record date and reference number.

Evaluating post-approval documents

When evaluating the post-approval documents that fall within the audit scope, the Auditor must assess whether:

- have been developed in accordance with the conditions and all other environmental licences and approvals applicable to the Project (if any) and their content is adequate.
- have been implemented in accordance with the conditions and all other environmental licences and approvals applicable to the Project (if any).

The adequacy of post approval documents was determined on the basis of whether:

- there are any non-compliances resulting from the implementation of the document; or
- whether there are any opportunities for improvement.

7.7 Compliance status descriptors

Compliance status descriptors from the PAR will be adopted.

The Auditor must determine the compliance status of each audited compliance requirement in the Audit Table, using the descriptors from Table 2 of the IAPAR, as listed in Table , below.

Table 5: Compliance descriptors from Table 2 of the IAPAR

Status	Description
Compliant	The Auditor has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with within the scope of the audit.
Non-compliant	The Auditor has determined that one or more specific elements of the conditions or requirements have not been complied with within the scope of the audit.
Not Triggered	A requirement has an activation or timing trigger that has not been met at the time when the audit is undertaken, therefore an assessment of compliance is not relevant.

Observations and notes may also be made to provide context, identify opportunities for improvement or highlight positive initiatives. However, the observations and notes must fit within one of the compliance status descriptors in Table 5.

7.8 Completing the audit

The Independent Audit Report will be distributed to the auditee/s to check factual matters and for input into actions in response to findings (where relevant). The Auditor retains the right to make findings or recommendations based on the facts presented. The Auditor's findings shall be determined independent of the auditee/s, the Department and any other parties, based on the evidence assessed during the audit.

8. INDEPENDENT AUDIT REPORT

Independent Audit Reports must address the requirements of the Department and the PAR relevant to the scope of the audit, as follows.

Version control

Each Independent Audit Report must clearly and prominently identify:

- the application number of the project
- each version or revision number of the report
- the date on which the report was prepared and issued to the Department; and
- the title and name of the person who certified the Independent Audit Report.

Contents

Each Independent Audit Reports must include the information detailed below.

Introduction

A brief overview of the audit including:

- background of the Project, including:
    - the relevant phasing report(s)
    - ALL (i.e.: Project wide) pre-construction / low impact works undertaken during the audit period
    - ALL (i.e.: Project wide) construction phases that were active during the audit period, including the commencement date and the completion date (if completed)
    - ALL (i.e.: Project wide) consistency assessments determined in the audit period (if any).
- the audit team (including qualifications and experience)
- the objectives of the audit
- the audit scope (as defined in the Scoping Statement)
- the temporal period covered by the audit (as defined in the Scoping Statement)

Audit methodology

Details of the methodology adopted including:

- documentation from the Planning Secretary agreeing to the auditor and any technical specialist(s);
- how the audit scope was developed (as per Section 7.2 of this Audit Program)
- a summary of the audit process adopted to determine the compliance status and assess if documents are adequate
- a register of attendees (including their name and position title) for the opening and closing meetings and a copy of the registers. The dates of the opening and closing meetings must also be included
- personnel interviewed including their name and position title (and including if access was not granted or possible with any required personnel and why)
- details of site inspections undertaken (including any areas where access was not granted or possible and why)
- a summary of the consultation undertaken; and
- meanings of compliance status descriptors used, as set out in this document.

Audit findings

Auditors must set out in Audit Report the audit findings relevant to the audit scope (defined by the Scoping Statement), including:

- a list of the approvals and the primary documents audited, noting that the full list of documents audited and evidence sighted would be captured in the Audit Table
- a summary of the assessment of compliance i.e. comparison between the total number of compliance requirements, the number of requirements complied with, not complied with and not triggered

- a summary of any formal notices, orders, penalty notices or prosecutions issued in relation to the audit scope during the audit period
- exception reporting of all non-compliances identified during the audit period. Details must include the relevant condition, the condition reference number, a unique non-compliance identification number, details of the non-compliance and the Auditor's recommended actions that are proposed to be taken or have been taken to address the non-compliance
- a brief discussion or table of the status, progress and outcomes of ALL (i.e.: Project wide) findings and actions that were considered unresolved at the time of finalisation of the preceding Audit Report. Details must include the source of the action, reference (condition number), action proposed, proposed completion date, the status (date completed, if relevant) and the action complete
- a brief discussion of whether the Environmental Management Plans, Sub-plans and compliance documents relevant to the audit scope are adequate, implemented and whether there are any opportunities for improvement
- a discussion of other matters considered relevant by the auditor or the Department taking into account relevant regulatory requirements and legislation and knowledge of the Project's past performance
- documentation of any feedback received as a result of consultation undertaken with the Department, and other agencies or stakeholders for the audit and the outcomes of this consultation
- a summary of ALL (i.e.: Project wide) complaints, and the adequacy of the response to, and management of complaints
- details of ANY (i.e.: Project wide) incidents (including any enforcement action by any agency) and the adequacy of the response to, and management of such incidents;
- an assessment of the actual impacts associated with the auditee/s and activities subject to audit, and the relevant predicted impacts documented in EIS, including an assessment of the physical extent of the audited works in comparison with the approved boundary and any potential off-site impacts of the development required under the *Environmental Planning and Assessment Act 1979*;
- evidence collected through site inspections undertaken during the audit (this may be presented in the appendices of the Report)
- evidence to support compliance assessment provided by the personnel interviewed during the audit (this may be presented in the appendices of the Report)
- a brief discussion of any continual environmental management improvement opportunities identified as part of the audit; and
- key strengths of the auditee/s and activities subject to audit environmental management and performance identified by the Auditor.

Recommendations and opportunities for improvement

A recommended action must be proposed to address each non-compliance and/or incident identified by the Auditor.

Appendices

Appendices to an Independent Audit Report must include at least:

- a completed Independent Audit Table with all relevant conditions, identifying each requirement, compliance status assessed, documenting verified evidence and providing recommendations for any non-compliance that is identified
- a copy of documentation from the Planning Secretary agreeing to the auditor and any technical specialist(s)
- documentation detailing consultation with the Department, and other agencies or stakeholders
- a copy of the register of attendees (including their name and position title) for the opening and closing meetings
- completed and signed Independent Audit Declaration Form(s)
- any reports prepared by the agreed technical specialist(s), as required; and
- site inspection photographs.

9. SYDNEY METRO REVIEW AND RESPONSE

Sydney Metro review and response to draft Independent Audit Report

In accordance with the PAR, the Auditor must provide a draft of the Independent Audit Report to Sydney Metro for review and allow Sydney Metro an opportunity to provide any additional information before finalising the Independent Audit Report.

A draft Independent Audit Report may only be revised in instances where the auditor is satisfied that the additional information or evidence provided is sufficient to determine that an error of fact or misunderstanding has taken place. Any additional information provided by Sydney Metro in this regard must be noted in the Independent Audit Report and the auditor’s view in relation to it recorded.

Sydney Metro response to audit findings

Sydney Metro must submit their response to the audit findings to the Department in a separate document to the final Independent Audit Report.

Sydney Metro must respond to all audit findings, including the recommendations and opportunities for improvement identified in the final Independent Audit Report. The response must clearly set out Sydney Metro’s responses to each of the audit findings. It is accepted that there may be instances where an action may address multiple non-compliance findings. Each proposed action should cross reference the relevant non-compliance condition number(s).

In relation to non-compliances, Sydney Metro’s response must set out the actions and the completion timing (dd/mm/yyyy) of such actions that are to be taken in response to each non-compliance.

In relation to observations and opportunities identified for improvement, Sydney Metro must provide reasons if they propose not to implement any measures or make any changes in response.

Sydney Metro’s response to the audit findings must be submitted to the Department with the Independent Audit Report.

Declaration

The final Independent Audit Report provided to the Department must contain a declaration from the auditor in an Independent Audit Report Declaration Form, appended to the final Independent Audit Report. The form that must be used is provided in Appendix E of the PAR.

10. SUBMISSION

In accordance with the PAR and condition A42, the final Independent Audit Report Sydney Metro's response to audit findings must be submitted to the Department within 2 months of undertaking the independent audit site inspection, unless otherwise agreed by the Department.

An electronic copy of the final Independent Audit Report and Sydney Metro's response to the audit findings must be submitted to the Department by Sydney Metro via the Major Projects portal. The two documents must be submitted concurrently.

Any revised reports/documents submitted to the Department must include a track changed version and a clean copy.

If the Independent Audit Report and Sydney Metro's response to audit findings does not adequately address the requirements in the conditions of the Approval, or meet the requirements in this document, Sydney Metro will be required to work with the Auditor to revise and resubmit these documents.

Sydney Metro remains responsible for ensuring that the development is carried out in compliance with all the conditions of the Approval. The Department's review of an Audit Report does not and is not to be construed as absolving Sydney Metro of its responsibility to comply with the conditions of Approval.

Non-compliances will be reviewed, and the Department will respond to identified non-compliances in accordance with the processes outlined in the Department's Compliance Policy and powers under the *Environmental Planning & Assessment Act 1979*.

LIMITATIONS

This Document has been provided by WolfPeak Pty Ltd (WolfPeak) to the Client and is subject to the following limitations:

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APPENDIX A – ENVIRONMENTAL RISK ANALYSIS FROM PROJECT EIS

28 Environmental risk analysis

28 Environmental risk analysis

This chapter provides an environmental risk analysis for the Concept and Stage 1.

28.1 Secretary's environmental assessment requirements

The Secretary's Environmental Assessment Requirements relating to environmental risk analysis, and where these requirements are addressed in this Environmental Impact Statement, are outlined in Table 28-1.

Table 28-1: Secretary's Environmental Assessment Requirements – Environmental risk analysis

Reference	Secretary's Environmental Assessment Requirements	Where addressed
3. Key issues		
3.3	For each Stage 1 key issue, the Proponent must: d. identify, describe and quantify (if possible) the impacts associated with the issue, including the likelihood and consequence (including realistic worst case scenario) of the impact (comprehensive risk assessment), the impacts of concurrent activities and cumulative impacts (parallel and sequential) with other projects	Section 28.3 Section 28.5

28.2 Environmental risk analysis methodology

The environmental risk analysis was undertaken in accordance with the principles of the Australian and New Zealand standard AS/NZS ISO 31000:2018 Risk Management – Guidelines. This involved identifying foreseeable risks of the Concept and Stage 1 and understanding the implications that could occur from each risk, that is, the potential impact. The risk of each potential impact was evaluated by identifying the consequence of the potential impact and the likelihood of each impact occurring.

The first step in the risk analysis involved evaluating the consequence of an identified potential impact, which requires making professional judgements about the possible results of an impact if it occurs. The definitions of the consequences used are provided in Table 28-2. This is followed by identifying the likelihood of the potential impact occurring with the definitions of likelihood provided in Table 28-3. The consequence and likelihood are combined to identify the level of risk of the potential impact, as shown in the risk matrix in Table 28-4.

Table 28-2: Consequence definitions

Consequence level	Definition
Catastrophic	• Long-term (greater than 12 months) and irreversible large-scale environmental impact with loss of valued ecosystems • Extended substantial disruptions and impacts to stakeholder(s) or customers.
Severe	• Long-term (6 to 12 months), long-term environmental impairment in neighbouring or valued ecosystems. Extensive remediation required • Severe disruptions or long-term impacts to stakeholder(s) or customers
Major	• Medium-term (between 3 and 6 months), impacts external ecosystem and considerable remediation is required • Major impacts or disruptions to stakeholder(s) or customers.
Moderate	• Medium-term (between 1 and 3 months), short-term and/or well-contained environmental effects. Minor remedial actions probably required • Moderate impacts or disruptions to stakeholder(s) or customers.
Minor	• Short-term (less than 1 month), change from normal conditions within environmental regulatory limits and environmental effects are within site boundaries • Minor or short-term impacts to stakeholder(s) or customers.
Insignificant	• No noticeable or visible changes to environment and/or highly localised event • Negligible impact to environment, stakeholder(s) or customers.

Table 28-3: Likelihood definitions

Likelihood	Definition	Probability
Almost certain	Expected to occur frequently during time of activity or project (10 or more times every year)	>90%
Very likely	Expected to occur occasionally during time of activity or project (1 to 10 times every year)	75% to 90%
Likely	More likely to occur than not occur during time of activity or project (once each year)	50% to 75%
Unlikely	More likely not to occur than occur during time of activity or project (once every 1 to 10 years)	25% to 50%
Very unlikely	Not expected to occur during the time of activity or project (once every 10 to 100 years)	10% to 25%
Almost unprecedented	Not expected to ever occur during time of activity or project (less than once every 100 years)	<10%

Table 28-4: Risk matrix

Likelihood	Definition					
	Insignificant	Minor	Moderate	Major	Severe	Catastrophic
Almost certain	Medium	High	High	Very high	Very high	Very high
Very likely	Medium	Medium	High	High	Very high	Very high
Likely	Low	Medium	Medium	High	High	Very high
Unlikely	Low	Low	Medium	Medium	High	High
Very unlikely	Low	Low	Low	Medium	Medium	High
Almost unprecedented	Low	Low	Low	Low	Medium	Medium

28.3 Identification of key issues

Various environmental risk identification and analyses have been carried out during the development of Sydney Metro West – refer to Chapter 3 (Sydney Metro West development and alternatives). Most relevant to this chapter is the risk analysis carried out for the Sydney Metro West Scoping Report – Westmead to The Bays and Sydney CBD (Sydney Metro, 2019). This document, along with the assessments in this Environmental Impact Statement, identifies the key environmental issues associated with the Concept and Stage 1.

28.4 Environmental risk analysis – Concept

Using the framework described above, a preliminary environmental risk analysis was carried out for the Concept. A preliminary risk analysis workshop was held on 13 December 2018 to categorise issues as 'key' or 'other' to form the basis of the Scoping Report in seeking the Secretary's Environmental Assessment Requirements.

The risk analysis identifies an initial risk rating for each of the environmental issues and provides a description of how the risk ratings were derived. Further details regarding the existing environment and potential impacts associated with each environmental issue are provided for the Concept in Chapter 8 (Concept environmental assessment).

A further risk workshop and follow up risk analysis was carried out once results from the impact assessment and the detailed specialist investigations were available.

This enabled the risk analysis to be refined and performance outcomes to be assigned to each environmental issue. Performance outcomes for each of the potential risks are provided for the Concept in Chapter 8 (Concept environmental assessment).

The purpose of the Concept risk assessment is to identify key and other issues for assessment of future stages. The following guiding principles were applied:

- Risk ratings were considered at the broader issue level (for example construction noise and vibration). This allows for a focus on these issues during the design, development and assessment of subsequent stages of the Concept
- Only initial risk ratings were considered. Mitigation measures to inform a residual risk rating would be identified as part of assessments of future stages. Based on performance outcomes in Chapter 27 (Synthesis) and experience on previous projects, the potential risks and impacts can be appropriately managed to acceptable levels.

This risk analysis will be re-examined at key stages during future environmental assessments for subsequent stages of the Concept.

The environmental risk analysis for the Concept is shown in Table 28-5.

Table 28-5: Environmental risk analysis – Concept

Potential risks	Risk rating			Discussion
	Consequence	Likelihood	Risk rating	
Operational road transport and traffic				
• Potential deterioration of traffic performance on surrounding road network due to permanent altered traffic arrangements, road or lane closures • Potential changes to availability, location and number of parking spaces or loading zones • Potential alterations to existing pedestrian and cyclist arrangements to enable safe and convenient access and egress from the new metro stations • Changes to bus stop locations, routes and timetables to provide transport integration with metro stations • Potential for permanent changes to property access, particularly adjacent commercial and retail properties	Minor	Unlikely	Low	The Concept would improve the transport system by providing a stand-alone railway network with the capacity to operate 30 trains an hour in each direction. It would integrate with the existing transport network, help to relieve congestion on the existing rail network and stations, and reduce the number of cars on the surrounding road network. Changes to the network would likely include alterations to bus stop locations or the provision of a small number of kiss-and-ride and/or taxi spaces around the stations to enhance transport interchange. The Concept would not involve the provision of any major traffic generating features such as park-and-ride.
Construction transport and traffic				
• Potential temporary deterioration of traffic performance on surrounding road network to an unacceptable level of service, due to construction vehicles and temporary road or lane closures • Temporary loss of parking spaces or loading zones potentially affecting accessibility to transport, services and/or businesses • Potential temporary reduced pedestrian and cyclist access or flows due to construction • Potential temporary impacts on access to private (commercial and/or residential) property • Potential temporary reduced safety and amenity for traffic, pedestrians and cyclists due to construction activities, including within existing stations, and due to potential conflicts with construction vehicles. This would be managed through implementation of measures such as manual supervision, physical barriers, temporary traffic signals and modifications to existing signals • Potential temporary impacts on reliability of public transport services (Sydney Trains and buses), including relocation of bus stops, bus diversions and activities within the rail corridor	Moderate	Almost certain	High	A substantial number of heavy vehicles would be temporarily required to transport material to and from construction sites. Additionally, construction activities may require: • The temporary or permanent closure of some sections of roadways • Temporary alterations to pedestrian and cyclist facilities • Temporary alterations to existing public transport infrastructure or timetables.
Operational noise and vibration				
• Potential exceedances of airborne noise criteria from the stabling and maintenance facility • Potential exceedances of airborne noise criteria from stations or other surface infrastructure for fresh air ventilation, mechanical and electrical equipment, substations, public address systems • Potential exceedances of human comfort vibration levels from train operations • Potential exceedances of building or structure damage vibration levels from train operations • Potential exceedances of ground-borne noise criteria from train operations	Moderate	Very unlikely	Low	Operational noise and vibration levels are anticipated to comply with relevant guidelines. Train operation would mainly occur underground within twin tunnels. Ground-borne noise and vibration levels from operating trains are anticipated to be minor with the implementation of standard environmental management measures. The Clyde stabling and maintenance facility would be located aboveground, but within an industrial area with minimal sensitive receivers except the Rosehill Gardens racecourse and the stables which are located nearby.
Construction noise and vibration				
• Potential temporary exceedances of airborne noise management levels from tunnelling and surface construction sites during standard construction hours • Potential temporary exceedances of airborne noise management levels from tunnelling and surface construction sites outside standard construction hours • Potential temporary construction traffic potentially resulting in an increase in traffic noise greater than 2 dB • Potential temporary exceedances of human comfort or damage vibration levels from tunnelling or surface activities • Potential temporary exceedances of ground-borne noise criteria from tunnelling	Major	Almost certain	Very high	Temporary construction activities would occur across multiple construction sites. Some construction sites would be directly adjacent to residential areas/properties – including at Westmead, North Strathfield, Burwood North and Five Dock. Construction activities would likely temporarily exceed the relevant noise management levels for at least some locations and for some of the construction period. Additionally, activities outside of standard daytime construction hours would likely be required at some locations.

Potential risks	Risk rating – Consequence	Risk rating – Likelihood	Risk rating – Risk rating	Discussion
Non-Aboriginal heritage				
• Potentially unsympathetic design of operational infrastructure that detracts from the heritage significance of nearby heritage item(s) • Potential direct and indirect impacts on local and s170 register listed items during construction • Potential direct and indirect impacts on State Heritage Register listed items during construction • Potential indirect impacts on Commonwealth, or National heritage during construction • Potential damage to heritage items from vibration and settlement during tunnelling, construction and operation • Potential temporary change to the values of a heritage conservation area during construction • Potential impacts of temporary construction activities within the curtilage of listed items, but with no direct impacts on the significant components • Potential impacts on unknown heritage items (e.g. archaeological items) during construction	Moderate	Almost certain	High	Components of the Concept may impact heritage listed items or conservation areas during construction and operation but would be designed to minimise potential impacts.
Aboriginal heritage				
• Potential impacts on known Aboriginal heritage items • Potential impacts on areas of known Aboriginal cultural sensitivity • Potential impacts on unidentified Aboriginal heritage items	Major	Likely	High	Components of the Concept may impact on previously recorded Aboriginal heritage sites. Construction activities are expected to avoid or minimise impacts to known Aboriginal heritage items, however there would be potential impacts to items within the Parramatta Sand Body (a resource known to contain high potential for Aboriginal archaeology).
Property and land use				
• Potential incompatibility between Concept infrastructure and facilities and intended future surrounding land use (including restrictions on future development due to subsurface tunnels conflicting with a strategic plan) • Property acquisition • Potential direct impacts on other infrastructure during construction including utilities and Sydney Trains managed property	Major	Likely	High	The proposed stations would support planned growth and provide opportunities to integrate with existing or planned land use objectives. Several of the stations would be located within existing (or future) major commercial/strategic centres, and the proposed stations could potentially influence the development and delivery timeframes of surrounding precincts. Station place and design principles have been identified that will be supported by the Sydney Metro Design Quality Framework, Design Review Panel, and Design Guidelines. Acquisition of properties would be undertaken in accordance with the *Land Acquisition (Just Terms Compensation) Act 1991* and the land acquisition reforms announced by the NSW Government. Sydney Metro has appointed Personal Managers to offer residents and small businesses assistance and support throughout the acquisition process.
Landscape character and visual amenity				
• Potential changes (potentially positive and negative) to visual setting and landscape character during operation associated with the introduction of new stations, new public spaces, and other surface infrastructure (stabling facility, fresh air tunnel ventilation facilities, etc.) • Potential temporary impacts on landscape character during construction due to activities associated with new stations, ancillary infrastructure, and the stabling and maintenance facility (e.g. loss of street trees, parking/use of plant and equipment etc.) • Potential temporary impacts on visual amenity from private/public places as a result of acoustic sheds or other acoustic measures and hoardings associated with construction sites • Potential temporary light spill from construction sites at night • Potential light spill from stations, the stabling and maintenance facility and other operational infrastructure	Major	Likely	High	The stations, stabling and maintenance facility and ancillary infrastructure would introduce new built elements into the surrounding environment. The introduction of a new metro stations is expected to result in a positive landscape character impact and improved visual amenity during operation for areas surrounding stations, particularly where new stations are replacing building stock with unsympathetic visual design or which is old and in poor condition. Demolition of buildings for surface infrastructure would be required, resulting in a change to the current visual environment. The introduction of construction sites and use of acoustic sheds or other acoustic measures would result in a temporary change in the visual landscape.
Groundwater and ground movement				
• Potential groundwater drawdown/lowering of the water table due to dewatering during tunnel and station excavations and/or drawdown incurred by bed cracking or interference with geological features beneath surface-water bodies and drainage lines • Potential impacts on groundwater users due to reduced groundwater yields, reduced groundwater quality and/or direct impacts and damage to existing groundwater bores • Potential reduced baseflow in surface creeks or other surface water features due to groundwater drawdown • Potential ground movement/settlement due to tunnelling and other excavations • Potential ongoing operational changes to groundwater flows and levels from underground stations and other untanked structures	Moderate	Likely	Medium	The excavation of the tunnels and underground stations during construction may result in localised changes to the hydrogeological environment associated with groundwater drawdown. The tunnels and the majority of stations are proposed to be tanked, which would limit the potential impacts of this component of the Concept to the construction phase. Ground movement and settlement is expected to be negligible.

Potential risks	Risk rating			Discussion
	Consequence	Likelihood	Risk rating	
Soils and water quality				
• Potential temporary erosion of soils resulting in offsite sedimentation of waterways and exceedances of water quality criteria during construction • Potential exposure of acid sulfate soils during construction resulting in off-site discharge of acidic water • Potential exposure of soil salinity/saline soils during construction resulting in off-site discharge of saline water resulting in exceedances of water quality trigger levels • Potential water quality impacts on nearby watercourses due to discharge of treated groundwater, contaminated water, or spills during construction and operation • Potential contamination of land or groundwater due to spills and leaks during construction	Minor	Unlikely	Low	Potential impacts such as erosion and sedimentation, and spill or leaks are anticipated to be manageable through the implementation of standard environmental management measures. Groundwater captured from the tunnel excavation would be treated prior to discharge. Acid sulfate soils are likely to occur, and would need to be managed at the Parramatta, Clyde stabling and maintenance facility, and The Bays construction sites.
Contamination				
• Disturbance of contaminated land during construction potentially causing impact to human health or receiving environments • Disturbance of contamination (soil or groundwater) potentially exacerbating existing contamination risks by mobilising otherwise stable contamination and potentially causing contaminated media to migrate across sites or off-site • Potential contamination of groundwater and land due to spills and leaks during operation	Major	Likely	High	Known contaminated sites could be encountered and disturbed at Clyde stabling and maintenance facility, Silverwater services facility, Sydney Olympic Park and The Bays construction sites. Localised contaminated soils could also be encountered at other locations. Appropriate management approaches would be developed to manage contamination.
Social impacts and community infrastructure				
• Health and liveability benefits associated with increased access to public transport during operation • Improved access to employment, education and entertainment opportunities during operation • Potential temporary changes to the way of life for residents close to the construction sites • Potential permanent loss of community facilities/open space, and changes in access to community facilities during operation • Potential community concern and disruption to people from property acquisition and/or termination of existing residential or commercial leases • Potential community concern with proposed changes to the character of local areas • Potential temporary social impact on broader community from construction activities • Potential temporary impacts, or temporary loss of, community facilities/open space due to construction activities and/or changes to access during construction	Major	Likely	High	The Concept would facilitate transit-oriented development through the generation of new rail catchment areas. Health and liveability benefits would primarily be associated with increased active transport opportunities around stations. Acquisition of residential and commercial properties is required for the proposed station sites and construction areas and would be managed in accordance with the *Land Acquisition (Just Terms Compensation) Act 1991* and the land acquisition reforms announced by the NSW Government. Sydney Metro has appointed Personal Managers to offer residents and small businesses assistance and support throughout the acquisition process. Construction activities may result in some temporary social impacts, both for individuals and the community at various sites along the corridor. Construction activities may result in the temporary or permanent loss of community facilities and/or public open space. Opportunities to minimise these impacts (such as replacement of facilities within the local area) would be explored.
Business impacts				
• Potential alterations to access, visibility and amenity of business premises during operation • Potential temporary disruptions to servicing, deliveries and access during construction (including from traffic congestion) • Potential temporary loss of power and utilities by planned or accidental shutdowns during construction • Potential temporary reduced visibility during construction activities, due to hoardings and other structures • Potential temporary reduced amenity (particularly due to noise, vibration, visual and air quality impacts) during construction • Property acquisition or termination of existing leases, and associated business impacts	Major	Likely	High	Operation of the Concept would provide benefits for some businesses located close to new metro stations. Acquisition of premises owned or leased by businesses is required for the proposed station sites and construction areas. This would be managed in accordance with the *Land Acquisition (Just Terms Compensation) Act 1991* and the land acquisition reforms announced by the NSW Government. Sydney Metro has appointed Personal Managers to offer residents and small businesses assistance and support throughout the acquisition process. Businesses adjacent to construction sites may also be temporarily impacted by changes to amenity, access and visibility of the business. Businesses that supply to the construction sector and certain business types near construction sites may experience increased business activity.
Hydrology and flooding				
• Potential alterations to existing stormwater flows and the existing stormwater drainage infrastructure • Potential impacts on construction activities due to changes to flooding regimes • Potential impacts on flood-prone areas (e.g. increase in flood risk outside the construction sites) due to new structures or displacing flood storage areas • Potential temporary flooding of the tunnels or other infrastructure during construction and operation	Moderate	Likely	Medium	A number of sites are located within flood prone land. The protection of the infrastructure from potential floods and any potential impacts on off-site flood behaviour are anticipated to be manageable through appropriate project design.

Potential risks	Risk rating			Discussion
	Consequence	Likelihood	Risk rating	
Biodiversity				
• Potential impacts on threatened ecological communities within or proximate to the construction footprint • Potential impacts on groundwater dependent ecosystems • Potential impacts on native vegetation • Potential impacts on threatened flora species • Potential impacts on threatened fauna species, migratory and endangered populations due to clearing of habitat, demolition of existing buildings and structures and/or as a result of collisions with construction plant and vehicles • Potential indirect impacts on biodiversity values such as from light and noise impacts, sedimentation, spread of weeds	Minor	Likely	Medium	The potential for biodiversity impacts is anticipated to be limited. While construction sites may provide suitable habitat for some threatened fauna species and endangered populations, the potential removal of this habitat is considered to be minor and these species are likely to be highly mobile. Any species present are likely to be accustomed to impacts such as noise and light spill which are already occurring. Loss of mangrove and riparian vegetation would occur in sections of Duck Creek and A'Becketts Creek, however these impacts would be minimised as much as possible. Any residual impacts would be offset in accordance with the *Biodiversity Conservation Act 2016*.
Air quality				
• Potential impacts on local air quality around stations, services facilities and at the stabling and maintenance facility from train operations (brake wear and metal wear), routine maintenance activities and emergency conditions (e.g. in-tunnel fire) • Potential temporary impacts on local air quality due to construction plant and equipment and increase in vehicle movements during construction • Potential temporary impacts on local air quality during construction due to dust generation from exposed surfaces, spoil stockpiles or spoil haulage	Minor	Unlikely	Low	The operation of the Concept could contribute to long-term improvements in air quality associated with a potential mode shift by customers from road to rail. Potential temporary air quality impacts during construction and operation are anticipated to be minor and similar to other infrastructure projects of this nature and scale. These impacts would be manageable through the implementation of standard environmental management measures.
Greenhouse gas and energy				
• Emissions of greenhouse gases from embodied energy in materials • Emissions of greenhouse gases from construction activities including energy use for tunnel boring machines over and above emissions for similar projects of a comparable scale	Minor	Unlikely	Low	The Concept could contribute to a long-term reduction in greenhouse gas emissions associated with a potential mode shift by customers from road to rail. The generation of greenhouse gas emissions during construction would be similar to other infrastructure projects of this nature and scale. These impacts would be manageable through the implementation of standard environmental management measures. Options to reduce greenhouse gas emissions and energy use when compared to other metro projects would be investigated.
Climate change adaptation				
• Impact of climate change on rail operations and infrastructure • Impact of climate change on customer and staff comfort	Moderate	Very unlikely	Low	Potential climate change impacts have been considered through design development and would be managed through the implementation of appropriate design standards.
Spoil, waste management and resource use				
• Potential impacts associated with inappropriate management of waste during construction and operation • Potential temporary impacts associated with the management and disposal of excess spoil from tunnel construction • Potential increased demand on electricity and water supply during construction and operation • Potential temporary increased demand on local and regional resources including sand and aggregate during construction • Potential temporary increased diesel use during construction	Minor	Unlikely	Low	Spoil generated during the construction of the Concept would be classified in accordance with NSW Waste Classification Guidelines (Environment Protection Authority, 2014) and managed consistently with the adopted hierarchy of management options (reuse on Sydney Metro sites, reuse off site, recycling, disposal). The generation of waste and the anticipated resource consumption during construction would be similar to other infrastructure projects of this nature and scale. These impacts would be managed through the implementation of standard environmental management measures (such as application of the waste management hierarchy). Waste generated by the construction and operation of the Concept would be managed in accordance with the Sydney Metro West Sustainability Plan, and waste hierarchy outlined in the *Waste Avoidance and Resource Recovery Act 2001*. Construction activities would be unlikely to result in any resource becoming scarce or in short supply.

Potential risks	Risk rating			Discussion
	Consequence	Likelihood	Risk rating	
Hazards				
• Potential incidents associated with transport and storage of hazardous substances and dangerous goods during construction • Potential for tunnel collapse during construction • Potential impacts to utilities • Potential hazards to customers and public safety and security • Potential unauthorised access to the rail corridor	Major	Almost unprecedented	Low	Potential hazards and risks during construction and operation would be managed through the implementation of appropriate design standards and construction methodologies.
Cumulative impacts				
• Potential temporary cumulative construction noise and traffic associated with other major projects • Temporary spoil management and disposal from multiple tunnelling projects in Sydney • Temporary construction fatigue of local communities affected by multiple projects either at the same time or occurring consecutively	Major	Almost certain	Very high	Construction activities may be carried out concurrently with, or consecutively to, a number of other major infrastructure projects in Sydney. This may result in temporary cumulative impacts associated with noise and traffic during construction, particularly around Parramatta and The Bays. Strategies for spoil management and community engagement would consider coordination with other projects.

28.5 Environmental risk analysis – Stage 1

Following the environmental risk analysis for the Concept, issues relevant to Stage 1 have been subjected to a further risk analysis of the specific Stage 1 impacts and mitigation measures.

The purpose of the Stage 1 risk analysis was to provide early identification of high residual impacts to allow a focus on these areas during the refinement of the design and the development of construction planning and methodologies. As a result, the risk analysis for Stage 1 was carried out at a greater level of detail than the Concept. The following considerations guided the risk analysis:

- Risk ratings were considered at a more detailed issue level (for example construction airborne noise and vibration from daytime works)
- Industry standard practice was considered in determining initial risk ratings, and project-specific mitigation and performance outcomes were applied for residual risk ratings.

Further details regarding the existing environment and potential impacts associated with each environmental issue are provided for Stage 1 in Chapters 10 to 26. The environmental risk analysis for Stage 1 is documented in Table 28-6.

Table 28-6: Environmental risk analysis – Stage 1

Potential impact	Initial risk rating (unmitigated)			Effect of key Stage 1 proposed mitigation measures[1]	Residual risk rating (with mitigation)		
	Unmitigated consequence	Unmitigated likelihood	Unmitigated risk rating		Residual consequence	Residual likelihood	Residual risk rating
Construction transport and traffic							
Potential temporary deterioration of traffic performance on surrounding road network to an unacceptable level of service due to construction vehicles and temporary road or lane closure	Moderate	Almost certain	High	Mitigation measures in relation to minimising construction vehicle movements in peak periods and during school drop off and pick up times would reduce the likelihood of traffic conflicts and congestion	Moderate	Likely	Medium
Temporary loss of parking spaces or loading zones undermining accessibility to transport, services and/or businesses. While impacts to on-street car parking would be minimal, the Parramatta metro station construction site would require the demolition of the City Centre car park and some off-street parking spaces – a loss of 850 parking spaces. The demolition of the City Centre car park was previously identified in the Draft Parramatta CBD Public Car Parking Strategy (City of Parramatta, 2017) along with measures to offset potential loss of car parking in Parramatta CBD. Parking spaces would also be lost from streets near Westmead, Parramatta, Silverwater, North Strathfield, Burwood North, and Five Dock construction sites	Moderate	Almost certain	High	Minimising the demand for parking at construction sites would reduce the consequence of impacts from loss of parking at construction sites	Minor	Almost certain	High
Potential temporary reduced pedestrian and cyclist access or flows due to construction	Moderate	Likely	Medium	Provision and management of alternative routes, including signage, would reduce the consequence of impacts on cyclists and pedestrians	Minor	Likely	Medium
Potential temporary changes to access to private property	Moderate	Likely	Medium	Maintaining access to adjacent properties and buildings would reduce the consequence and likelihood of impacts	Minor	Unlikely	Low
Potential temporary reduced safety and amenity for traffic, pedestrians and cyclists due to construction activities, including within existing stations, and due to potential conflicts with construction vehicles	Major	Unlikely	Medium	Measures at site access points and additional road safety enhancements for pedestrian, cyclist and motorist safety near the construction sites would reduce the likelihood of impacts	Major	Very unlikely	Medium
Potential temporary impacts to the availability of on street parking in local streets surrounding construction sites	Moderate	Likely	Medium	Minimising demand for parking at construction sites would reduce the consequence and likelihood impacts	Minor	Unlikely	Low
Potential temporary delays to emergency vehicles in the vicinity of the Westmead metro station construction site	Severe	Likely	High	Access for emergency vehicles would be maintained at all times and emergency service providers would be consulted during construction. This would reduce the likelihood of impacts	Severe	Almost unprecedented	Medium
Potential temporary impacts on reliability of public transport services (Sydney Trains and buses), including temporary relocation of bus stops, bus diversions and activities within the rail corridor, particularly in Westmead, Parramatta, North Strathfield and Burwood North	Minor	Almost certain	High	Consultation with the relevant council and public transport service operators, and use of wayfinding signage would reduce the consequence of impacts	Insignificant	Almost certain	Medium
Construction noise and vibration							
Potential temporary exceedances of airborne noise management levels from tunnelling and surface construction sites during standard construction hours impacting sensitive receivers	Major	Almost certain	Very high	Application of feasible and reasonable noise mitigation measures, including use of low noise equipment, acoustic sheds and respite periods would reduce the likelihood and consequence of noise impacts	Moderate	Very likely	High
Potential temporary exceedances of airborne noise management levels from tunnelling and surface construction sites outside standard construction hours impacting sensitive receivers	Major	Almost certain	Very high	Minimising noisy activities at night-time and offering additional mitigation measures as outlined in the Sydney Metro Construction Noise and Vibration Standard (Appendix E would reduce the likelihood and consequence of night-time noise impacts	Moderate	Very likely	High
Temporary construction traffic resulting in a potential increase in traffic noise greater than 2 dB	Moderate	Likely	Medium	Minimising truck movements past sensitive receivers and during night-time periods would reduce the likelihood and consequence of traffic noise impacts	Minor	Unlikely	Low
Potential temporary exceedances of human comfort or damage vibration levels from tunnelling or surface activities	Moderate	Very likely	High	Further assessment of relevant structures to determine appropriate vibration levels and adjusting work methods where required would reduce the consequence of potential impacts	Minor	Very likely	Medium
Potential temporary exceedances of ground-borne noise criteria from tunnelling	Moderate	Very likely	High	Measures such as scheduling of noisy activities, prior notification to receivers, monitoring, and the additional mitigation measures outlined in the Sydney Metro Construction Noise and Vibration Standard (Appendix E) would reduce the consequence of impacts	Minor	Very likely	Medium

Potential impact	Initial risk rating (unmitigated)			Effect of key Stage 1 proposed mitigation measures[1]	Residual risk rating (with mitigation)		
	Unmitigated consequence	Unmitigated likelihood	Unmitigated risk rating		Residual consequence	Residual likelihood	Residual risk rating
Non-Aboriginal heritage							
Potential direct and indirect impacts on local and s170 register listed items during construction	Major	Likely	High	Use of low impact demolition methods would reduce the likelihood of indirect impacts on heritage items. Archival reporting and heritage interpretation would reduce the consequence of direct impacts on heritage items	Minor	Likely	Medium
Potential indirect impacts associated with views and vibration on State significant items during construction including the Roxy Theatre (Parramatta) and White Bay Power Station (The Bays)	Major	Likely	High	Use of low impact demolition methods would reduce the likelihood of impacts on State significant heritage items	Major	Very unlikely	Medium
Potential direct and indirect impacts on the State significant State Abattoir (Sydney Olympic Park).	Moderate	Very likely	High	Reinstatement of the garden in accordance with the Conservation Management Plan would reduce the consequence of impacts	Minor	Very likely	Medium
Potential damage to heritage items from vibration and settlement during tunnelling and construction	Moderate	Unlikely	Medium	Feasible and reasonable measures would be informed by detailed assessments and condition surveys to reduce the likelihood of vibration impacts on heritage items	Moderate	Very unlikely	Low
Temporary impacts on the values of The Valley heritage conservation area near The Bays Station construction site	Minor	Likely	Medium	Measures to reduce the visual impacts to The Bays Station construction site would also reduce the likelihood of impacts to the conservation area	Minor	Very unlikely	Low
Potential impacts of temporary construction activities within the curtilage of listed items, but with no direct impacts on the significant components	Moderate	Unlikely	Medium	Use of low impact demolition methods would reduce the likelihood of indirect impacts on heritage items	Moderate	Very unlikely	Low
Potential impacts during construction on unknown heritage items (e.g. archaeological items) associated with the earliest phases of European settlement, including convict huts, yards and gardens at Parramatta CBD	Moderate	Very likely	High	Archaeological research design(s) informing archaeological testing, monitoring and mitigation measures, prepared in consultation with the NSW Heritage Division, including in situ conservation of State significant archaeology where feasible and reasonable, would reduce the consequence of impacting archaeological items	Minor	Very likely	Medium
Aboriginal heritage							
Potential impacts on a known Aboriginal heritage item (at the Parramatta metro station construction site)	Major	Almost certain	Very high	Archaeological test excavation, including salvage when required, and interpretation, would reduce the consequence of the impact	Minor	Almost certain	High
Potential impacts on areas of known Aboriginal cultural sensitivity such as the Parramatta Sand Body	Major	Very likely	High	Archaeological test excavation, including salvage when required, and interpretation, undertaken in consultation with Aboriginal parties would reduce the consequence of the impact	Minor	Very likely	Medium
Potential impacts on unidentified Aboriginal heritage items, particularly in areas with potential archaeological sensitivity such as Clyde stabling and maintenance facility and The Bays Station construction sites.	Major	Likely	High	Archaeological test excavation, including salvage when required, and interpretation, carried out in consultation with Aboriginal parties would reduce the likelihood and consequence of impacts on unidentified Aboriginal heritage items	Moderate	Unlikely	Medium
Property and land use							
Potential restrictions on future development due to subsurface tunnels and other infrastructure	Minor	Unlikely	Low	In most cases, subsurface acquisition does not affect the continued existing or intended future uses of property at the surface. As such, mitigation measures are not required	Minor	Unlikely	Low
Landscape character and visual amenity							
Potential temporary impacts on landscape character during construction activities associated with new stations, ancillary infrastructure, and the stabling and maintenance facility (e.g. loss of street trees, use of plant and equipment etc.)	Major	Almost certain	Very high	Design of construction sites, including location of structures and buildings, design of hoardings, public art opportunities, and retention and replacement of trees would reduce the consequence of impacts on landscape character	Moderate	Almost certain	High
Potential temporary impacts on visual amenity from private/ public places as a result of acoustic sheds (or other acoustic measures) and hoardings associated with construction sites	Major	Almost certain	Very high	Design of acoustic measures and hoardings would seek to reduce the impact on views, would be maintained and kept free of graffiti, and would incorporate public art where appropriate to reduce consequence of impacts to visual amenity	Moderate	Almost certain	High
Potential temporary light spill from construction sites at night	Moderate	Very likely	High	Lighting of construction sites would be orientated to minimise glare and light spill, thereby reducing the consequence and likelihood of light spill impacts on adjacent receivers	Minor	Unlikely	Low
Business impacts							
Potential temporary disruptions to servicing, deliveries and customer access during construction (including from traffic congestion and loss of parking)	Major	Likely	High	Access to businesses would be maintained for customers, servicing and deliveries, reducing the likelihood of business disruption	Major	Unlikely	Medium
Potential need for some businesses to find new suppliers	Minor	Very unlikely	Low	Engagement with small business owners adversely impacted by construction would reduce the consequence of the potential impact	Insignificant	Very unlikely	Low

Potential impact	Initial risk rating (unmitigated)			Effect of key Stage 1 proposed mitigation measures[1]	Residual risk rating (with mitigation)		
	Unmitigated consequence	Unmitigated likelihood	Unmitigated risk rating		Residual consequence	Residual likelihood	Residual risk rating
Potential temporary loss of power and utilities during planned or accidental shutdowns during construction	Moderate	Likely	Medium	Planned power and utility interruptions would be scheduled to outside of typical business hours where feasible and reasonable, reducing the likelihood of impacts	Moderate	Very unlikely	Low
Potential temporary reduced business visibility through the presence of construction activities, hoardings and other structures	Major	Likely	High	Appropriate design and location of hoarding, clear pathways, signage and lighting would maximise visibility of businesses. EEngagement with small business owners adversely impacted by construction would be undertaken. These measures would reduce the likelihood and consequences of reduced business visibility	Minor	Unlikely	Low
Potential temporary reduction in amenity at nearby business premises (particularly due to noise, vibration, visual and air quality impacts)	Moderate	Likely	Medium	Noise, visual and air quality mitigation measures would minimise local amenity impacts of construction, reducing the consequences of these impacts for businesses. Engagement with small business owners adversely impacted by construction would reduce the consequence of the potential impact	Minor	Likely	Medium
Impacts to businesses located within properties being acquired	Minor	Very unlikely	Low	Sydney Metro manages property acquisition in accordance with the *Land Acquisition (Just Terms Compensation) Act 1991*, and has appointed Personal Managers to support small businesses throughout the acquisition process. As such no further mitigation measures are required	Minor	Very unlikely	Low
Social impacts							
Potential temporary impacts on the way of life for local communities, local employees and visitors due to travel disruptions and changes to routines	Moderate	Likely	Medium	Access would be maintained to local services, business and public transport infrastructure. Consultation with the relevant council and public transport service operators, and use of wayfinding signage would minimise disruptions reducing the consequence of impacts	Minor	Likely	Medium
Potential community concern with proposed changes to the character of local areas	Moderate	Likely	Medium	The development and implementation of a community benefit plan would provide local benefits to counteract and reduce the likelihood of potential impacts	Moderate	Unlikely	Medium
Potential community concern and disruption to people from property acquisition	Major	Likely	High	Sydney Metro manages property acquisition in accordance with the *Land Acquisition (Just Terms Compensation) Act 1991*, and has appointed Personal Managers to support residents throughout the acquisition process, reducing the consequence and likelihood of impacts	Moderate	Unlikely	Medium
Potential temporary impacts on community facilities or open space due to construction activities including changes to access and amenity during construction	Moderate	Likely	Medium	Noise, traffic, access and local amenity mitigation measures would reduce the consequence and likelihood of impacts affecting the useability of social infrastructure, including community facilities and open space	Minor	Unlikely	Low
Groundwater and ground movement							
Potential impacts on groundwater supply due to reduced groundwater yields or reduced groundwater quality at two groundwater bores near Westmead and Burwood North	Moderate	Unlikely	Medium	Groundwater levels and quality, including existing viable water bores, would be monitored throughout construction, and make good measures would be implemented if a loss of yield were to occur, reducing the consequence and likelihood of impacts from groundwater drawdown	Insignificant	Unlikely	Low
Potential loss or changes to baseflow of surface water features due to groundwater drawdown	Moderate	Likely	Medium	Additional site investigations would be carried out at potentially affected watercourses to confirm the existing groundwater baseflow contribution to the streamflow. Where a significant reduction in baseflow is identified, design responses would be implemented to reduce potential baseflow loss reducing the consequence and likelihood of potential impacts from groundwater drawdown	Minor	Unlikely	Low
Potential ground movement/ settlement due to tunnelling and other excavations	Moderate	Likely	Medium	A structural assessment of the potentially affected buildings/ structures would be carried out and specific measures implemented to address the risk of damage, reducing the likelihood of adverse impacts from ground movement/ settlement	Moderate	Very unlikely	Low
Soils and surface water quality							
Temporary erosion of soils resulting in off-site sedimentation of waterways during construction, potentially resulting in exceedances of water quality criteria	Moderate	Unlikely	Medium	Erosion and sediment control measures would be implemented in accordance with the principles and requirements in Managing Urban Stormwater – Soils and Construction, Volume 1 (Landcom 2004) and Volume 2D (NSW Department of Environment, Climate Change and Water 2008), and water collected from construction sites would be appropriately treated prior to discharge, reducing the consequences of soil erosion	Minor	Unlikely	Low

Potential impact	Initial risk rating (unmitigated)			Effect of key Stage 1 proposed mitigation measures[1]	Residual risk rating (with mitigation)		
	Unmitigated consequence	Unmitigated likelihood	Unmitigated risk rating		Residual consequence	Residual likelihood	Residual risk rating
Potential exposure of acid sulfate soils during construction, potentially resulting in off-site discharge of acidic water	Moderate	Unlikely	Medium	Acid sulfate soil testing would be carried out to determine the presence of actual and/or potential acid sulfate soils, enabling management measures to be implemented in accordance with the Acid Sulfate Soil Manual (ASSMAC, 1998) that would reduce the likelihood of discharging acidic water	Moderate	Very unlikely	Low
Potential exposure of soil salinity/saline soils during construction resulting in off-site discharge of saline water, potentially resulting in exceedances of water quality trigger levels	Minor	Likely	Medium	Soil salinity testing would be carried out to determine the presence of saline soils, enabling management measures to be implemented in accordance with Book 4 Dryland Salinity: Productive Use of Saline Land and Water (NSW DECC 2008) that would reduce the likelihood of impacts	Minor	Very unlikely	Low
Potential temporary water quality impacts on nearby watercourses due to discharge of treated groundwater, contaminated water, or spills during construction	Major	Unlikely	Medium	Prior to discharge, water would be treated to comply with ANZECC/ ARMCANZ (2000) and ANZG (2018) default guidelines for 95 per cent species protection	Major	Very unlikely	Medium
Potential contamination of land or groundwater due to spills and leaks during construction	Moderate	Likely	Medium	Locating all fuels in a sealed bunded area, together with the use of spill kits, would reduce the likelihood of soil or groundwater contamination	Moderate	Very unlikely	Low
Contamination							
Disturbance of contaminated land during construction potentially causing impacts to human health or receiving environments	Major	Likely	High	Areas with a higher potential for contamination would be subject to a Detailed Site Investigation and, if necessary, a Remedial Action Plan to reduce contamination risks during and following completion of construction, reducing the consequence of contamination and the likelihood if impacts	Moderate	Unlikely	Medium
Disturbance of contamination (soil or groundwater) potentially exacerbating existing contamination risks by mobilising otherwise stable contamination and causing on-site and off-site migration	Major	Likely	High	Areas with a higher potential for contamination would be subject to a Detailed Site Investigation and, if necessary, a Remedial Action Plan to reduce contamination risks from throughout and following completion of construction, reducing the consequence of contamination and the likelihood of impacts	Moderate	Unlikely	Medium
Potential impacts from the management or incorrect disposal of contaminated soils	Major	Likely	High	Contaminated soils would be kept separate from other spoil, and classified for disposal, reducing the likelihood of cross-contamination or inappropriate disposal	Major	Very unlikely	Medium

Potential impact	Initial risk rating (unmitigated)			Effect of key Stage 1 proposed mitigation measures[1]	Residual risk rating (with mitigation)		
	Unmitigated consequence	Unmitigated likelihood	Unmitigated risk rating		Residual consequence	Residual likelihood	Residual risk rating
Potential disturbance of existing leachate and gas management systems at Sydney Olympic Park	Moderate	Likely	Medium	A Remedial Action Plan would be developed for the site and approved by an EPA accredited site auditor, to reduce contamination risks from construction and ensure that ongoing active management beyond construction is carried out, where required. This would reduce the potential consequence and likelihood of impacts	Minor	Unlikely	Low
Hydrology and flooding							
Alterations to existing stormwater flows and drainage infrastructure	Moderate	Likely	Medium	Drainage would be designed, where feasible and reasonable, to avoid or minimise obstruction of overland flow paths and limit the extent of flow diversions, reducing the likelihood of adverse alterations to local runoff conditions	Moderate	Unlikely	Medium
Potential impacts on existing flood emergency management arrangements at Parramatta, Clyde and The Bays	Major	Unlikely	Medium	Emergency flood planning would be carried out in consultation with the NSW State Emergency Service and the relevant local council, reducing the likelihood of impacts on flood evacuation routes	Major	Very unlikely	Medium
Impacts on flood-prone areas (e.g. increase in flood risk outside the construction sites) due to new structures or filling at the Clyde stabling maintenance facility and The Bays Station construction sites	Major	Likely	High	Detailed construction planning would consider flood risk at and around construction sites, including identification of measures to not worsen flood impacts, reducing the potential consequence and likelihood of off-site flood impacts	Minor	Unlikely	Low
Biodiversity							
Impacts on Cumberland Plain Woodland in the Sydney Basin Bioregion threatened ecological communities within or proximate to the construction footprint at Westmead	Insignificant	Likely	Low	The unmitigated risk rating is low because only 0.03 of a threatened ecological community is directly impacted, and this is already in poor condition represented by regrowth native species amongst plantings and weeds. No further mitigation measures are required	Insignificant	Likely	Low
Potential impacts on groundwater dependent ecosystems	Minor	Unlikely	Low	Additional investigations would be carried out to assess potential impacts to groundwater dependent ecosystems from groundwater drawdown. This would be used to inform any further mitigation measures, if required and reduce the likelihood of impacts	Minor	Very unlikely	Low
Impacts on Mangrove Forests in estuaries of the Sydney Basin Bioregion and South East Corner Bioregion at Clyde	Moderate	Almost certain	High	Any removed vegetation would be offset reducing the consequence of vegetation clearing	Insignificant	Almost certain	Medium

Potential impact	Initial risk rating (unmitigated)			Effect of key Stage 1 proposed mitigation measures[1]	Residual risk rating (with mitigation)		
	Unmitigated consequence	Unmitigated likelihood	Unmitigated risk rating		Residual consequence	Residual likelihood	Residual risk rating
Impacts on habitat for the Southern Myotis (*Myotis macropus*)	Moderate	Almost certain	High	Any removed vegetation comprising Southern Myotis habitat would be offset reducing the consequence of habitat loss	Insignificant	Almost certain	Medium
Potential indirect impacts on threatened fauna species, migratory and endangered populations due to clearing of habitat, demolition of existing buildings and structures, from light and noise impacts, sedimentation, spread of weeds and/or as a result of collisions with construction plant and vehicles	Minor	Likely	Medium	The implementation of measures such as those to control light spill and minimise construction noise would reduce the likelihood of impacts	Minor	Unlikely	Low
Impacts of proposed creek crossings at Clyde including fish passage	Major	Likely	High	The creek crossings would be designed to provide sufficient fish passage where possible, incorporate suitable scour protection, avoid worsening of existing flow velocities, and incorporate a vegetated riparian zone where feasible and reasonable, reducing the consequence of impacts	Minor	Likely	Medium
Air quality							
Potential temporary impacts on local air quality due to construction plant and equipment and increase in vehicle movements	Minor	Likely	Medium	Vehicles, plant and equipment would be maintained in a proper and efficient manner, reducing the likelihood of air quality impacts from plant	Minor	Very unlikely	Low
Potential temporary impacts on local air quality during construction due to dust generation from exposed surfaces, spoil stockpiles or spoil haulage	Moderate	Likely	Medium	Best practice dust management measures would be implemented during all construction works, reducing the likelihood and consequence of air quality impacts from dust	Minor	Unlikely	Low
Potential temporary impacts on local air quality during demolition	Moderate	Likely	Medium	Best practice measures would be implemented during demolition, including demolition sequencing and water suppression, reducing the consequence and likelihood of potential impacts	Minor	Unlikely	Low
Potential temporary mobilisation of airborne hazardous materials, odours or vapours as a result of uncovering contaminated soils or hazardous materials during excavation or demolition	Major	Unlikely	Medium	Best practice odour management measures would be implemented, including minimising the disturbance of contaminated soil, use of odour suppression agents, and regular monitoring. These mitigation measures would reduce the consequence and likelihood of mobilising airborne hazardous materials, odours or vapours	Moderate	Very unlikely	Low
Spoil, waste management and resource use							
Potential temporary impacts associated with inappropriate management of waste during construction	Minor	Unlikely	Low	Waste would be assessed, classified, managed and disposed in accordance with the Waste Classification Guidelines, reducing the likelihood of impacts	Minor	Very unlikely	Low
Potential temporary impacts associated with the management and disposal of spoil from tunnel construction	Minor	Unlikely	Low	Spoil would be managed in accordance with the spoil management hierarchy, and 100 per cent of usable spoil would be reused. This would reduce the likelihood of impacts associated with spoil management	Minor	Very unlikely	Low
Potential temporary increased demand on electricity and water supply during construction	Minor	Likely	Medium	Sustainability initiatives would be incorporated into the detailed design and construction to minimise demand for water and electricity, reducing the likelihood of the potential impacts	Minor	Very unlikely	Low
Potential temporary increased demand on local and regional resources including sand, aggregate and fuel during construction resulting in resource becoming in short supply	Minor	Unlikely	Low	Sustainability initiatives would be incorporated into the detailed design and construction to minimise demand for resources, reducing the likelihood of the potential impacts	Minor	Very unlikely	Low
Hazards							
Potential incidents associated with transportation and storage of hazardous substances and dangerous goods during construction	Moderate	Very unlikely	Low	Storage and handling of dangerous goods and hazardous substances would be in accordance with the *Dangerous Goods (Road and Rail Transport) Act 2008* and Dangerous Goods (Road and Rail Transport) Regulation 2014, and would comply with the Australian Dangerous Goods Code. As such, no mitigation measures are required	Moderate	Very unlikely	Low
Potential damage, rupture and/or failure to shut down, isolate or otherwise appropriately manage underground utilities, resulting in the release of sewage, water, gas or electrical currents	Moderate	Very unlikely	Low	Dial before you dig searches and non-destructive digging would be carried out to identify the presence of underground utilities, and ongoing consultation would be carried out with utility providers for high pressure gas or petroleum pipelines to identify appropriate construction methodologies, reducing the likelihood of impacts to utilities	Moderate	Almost unprecedented	Low
Sustainability and climate change							
Emissions of greenhouse gases from embodied energy in materials	Minor	Likely	Medium	Sustainability initiatives, including a sustainable procurement strategy would reduce the consequence of impacts	Insignificant	Likely	Low

Potential impact	Initial risk rating (unmitigated)			Effect of key Stage 1 proposed mitigation measures[1]	Residual risk rating (with mitigation)		
	Unmitigated consequence	Unmitigated likelihood	Unmitigated risk rating		Residual consequence	Residual likelihood	Residual risk rating
Emissions of greenhouse gases from construction activities, including emissions associated with energy use for tunnel boring machines	Minor	Likely	Medium	Sustainability initiatives, including offsetting 25 per cent of the greenhouse gas emissions associated with consumption of electricity during construction would reduce the potential consequence of this impact	Insignificant	Likely	Low
Cumulative impacts							
Potential temporary cumulative construction impacts, including potential construction fatigue with other major projects	Major	Almost certain	Very high	Coordination and consultation with relevant agencies and stakeholders would occur to manage the interface of projects under construction at the same time, including identifying conflicts and strategies to manage conflicts, such as making adjustments to construction program, work activities or haul routes, and coordination of traffic management arrangements between projects	Moderate	Almost certain	High

Note 1: Mitigation also includes measures proposed as part of the Construction Environmental Management Framework described in Chapter 28 (Synthesis of the Environmental Impact Statement).

28.6 Conclusions and next steps

The Concept environmental risk analysis (refer to Section 28.4) has identified the following issues as having a high or medium risk rating:

- Construction transport and traffic
- Construction noise and vibration
- Non-Aboriginal heritage
- Aboriginal heritage
- Landscape character and visual amenity
- Business impacts
- Social impacts
- Soils and surface water quality
- Contamination
- Hydrology and flooding
- Biodiversity
- Air quality
- Cumulative impacts.

These risks would be considered in greater detail during the assessment of future stages of Sydney Metro West. The risk analysis for the Concept will be re-examined during future environmental assessments for subsequent stages.

The Stage 1 environmental risk analysis (refer to Section 28.5) has identified that the following issues would have a high residual risk after implementation of the mitigation measures proposed in this Environmental Impact Statement:

- Construction transport and traffic
- Construction noise and vibration
- Aboriginal heritage
- Landscape character and visual amenity
- Cumulative impacts.

This suggests that an increased focus would be required on these aspects throughout construction of Stage 1 to reduce these risks further to meet an acceptable risk level. In particular, Sydney Metro has developed a Construction Noise and Vibration Standard (Appendix E) and Construction Traffic Management Framework (Appendix F) to manage the noise and vibration and transport and traffic related impacts respectively. The high residual risk rating for Aboriginal heritage and landscape character and visual amenity is based on the very high residual likelihood of unavoidable impacts at some of the construction sites.

Coordination and engagement with proponents for other concurrent or consecutive construction projects would continue through design and construction of Stage 1 so that opportunities to reduce or manage construction fatigue are identified. Ongoing community and stakeholder engagement would also be carried out so that potential cumulative impacts are better understood and reduced where possible.

Issues that would have a medium residual risk include:

- Non-Aboriginal heritage
- Business impacts
- Social impacts
- Soils and surface water quality
- Contamination
- Hydrology and flooding
- Biodiversity
- Air quality.

The assessment carried out for these issues has determined the likely extent of impacts can be suitably managed with the implementation of recommended feasible and reasonable mitigation measures. The implementation of the Construction Environmental Management Framework (Appendix D) would help to further reduce these potential impacts.

Issues that have a low residual risk can be adequately managed through detailed design and construction, and by the implementation of standard management measures so that all necessary environmental criteria and guidelines would be achieved. Issues with a low residual risk level include:

- Property and land use
- Groundwater and ground movement
- Spoil, waste management and resource use
- Hazards
- Sustainability and climate change.

APPENDIX B – CONDITIONS OF APPROVAL

Unique ID	Compliance requirement[1]	Applicability to each phase (Phasing Report, Version 1.4, May 2022)					Frequency / timing of inclusion in audit scope[2,3]
		Phase A	Phase B	Phase C	Phase E	Phase A	
SCHEDULE 2: CONDITIONS OF APPROVAL FOR CONCEPT PROPOSAL							
PART C-A: ADMINISTRATIVE CONDITIONS							
General							
C-A1	Approval is granted to the 'Concept' as described in Schedule 1 and in Chapter 6 and in Chapter 7 of the Sydney Metro West – Westmead to The Bays and Sydney CBD Environmental Impact Statement dated 15 April 2020, as amended by the following: a) Sydney Metro West – Westmead to The Bays and Sydney CBD Amendment Report dated 20 November 2020; and b) Sydney Metro West – Westmead to The Bays and Sydney CBD Submissions Report dated 20 November 2020.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Not included in Stage 1 Audit Program.
C-A2	The Proponent must carry out the CSSI Concept in accordance with the conditions of this approval and the documents listed in Condition C-A1 of this schedule unless otherwise specified in, or required under, the conditions of this approval.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Not included in Stage 1 Audit Program.
C-A3	In the event of an inconsistency between: a) the conditions of this approval and any document listed in Condition C-A1 of this schedule inclusive, the conditions of this approval will prevail to the extent of the inconsistency; and b) any document listed in Condition C-A1 of this schedule, the most recent document will prevail to the extent of the inconsistency. *Note: For the purpose of this condition, there will be an inconsistency between a term of this approval and any document if it is not possible to comply with both the term and the document.*	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Not included in Stage 1 Audit Program.
C-A4	Except to the extent described in any document listed in Condition C-A1 of this schedule, any over station development, including any future uses, does not form part of this CSSI and will be subject to the relevant assessment pathway prescribed by the EP&A Act.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Not included in Stage 1 Audit Program.
PART C-B: KEY ISSUE CONDITIONS							
Place and Design							
C-B1	**Place and Design**	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not included in Stage 1 Audit Program.

Note 1: Colour text indicates the risk rating from Chapter 28 of the EIS as follows:

- X = No rating
- X = Ch 28 of the EIS identifies the risk of one or more impacts associated the issue/aspect as being 'Low'
- X = Ch 28 of the EIS identifies the risk of one or more impacts associated the issue/aspect as being 'Medium' or less
- X = Ch 28 of the EIS identifies the risk of one or more impacts associated the issue/aspect as being 'High' or 'Very high'

Note 2: Where the Phasing Report has identified a condition as not being required for a certain phase, the requirement will not be audited on that phase unless otherwise requested by the Department.

Note 3: The Scoping Statement will identify whether the requirement will be included in the scope of each audit.

Unique ID	Compliance requirement[1]	Applicability to each phase (Phasing Report, Version 1.4, May 2022)					Frequency / timing of inclusion in audit scope[2,3]
		Phase A	Phase B	Phase C	Phase E	Phase A	
	To ensure that a high-quality urban design response is achieved, the CSSI must have regard to, and be generally consistent with, the place and design principles for each location outlined in the documents listed in Condition C-A1 of this schedule, unless expressly specified in the conditions of this approval.						
C-B2	**Clyde Stabling and Maintenance Facility Site** For the relevant future stage application, the following must be considered at the Clyde Maintenance and Stabling Facility site: a) publicly-accessible active transport corridors immediately around the site adjoining James Ruse Drive that connects to existing and future links and open spaces; b) public spaces for recreational use on residual land to offset the loss of the private recreational land, or any alternate and commensurate opportunity that achieves the objective and provides value for money, developed in consultation with City of Parramatta Council; c) renaturalisation of parts of Duck Creek and A'Becketts Creek and rehabilitation of the riparian corridor; and d) integration with strategic planning for the precinct.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not included in Stage 1 Audit Program.
C-B3	**Parramatta Metro Station Site** The delivery of the section of the future Parramatta Civic Link located on the Parramatta metro station construction site must be facilitated to enable completion before operation of the CSSI.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Full Compliance	Not included in Stage 1 Audit Program.
Aboriginal and Non-Aboriginal Heritage							
C-B4	The relevant future stage application relating to the design of stations must include a Heritage Interpretation Strategy, prepared in consultation with Heritage NSW, which outlines how key Aboriginal and non-Aboriginal heritage values and stories of Heritage items will be interpreted in the project design, including station and precinct urban design. The Heritage Interpretation Strategy must include procedures for how to include results of archaeological findings (historical and Aboriginal archaeological results) when they become available.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not included in Stage 1 Audit Program.
C-B5	The Heritage Interpretation Strategy must be prepared in accordance with the NSW Heritage Manual, the NSW Heritage Office's Interpreting Heritage Places and Items: Guidelines (August 2005), and the NSW Heritage Council's Heritage Interpretation Policy.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not included in Stage 1 Audit Program.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
C-B6	The Heritage Interpretation Strategy must include, but not be limited to: a) a discussion of key interpretive themes, stories and messages proposed to interpret the history and significance of archaeological excavation, the affected Heritage items and sections of heritage conservation areas (if applicable); b) options for the re-purposing of archaeological finds (results and artefacts), heritage features or listed items salvaged or protected during construction stages of the CSSI, and how they will be integrated into the final project design; c) Aboriginal cultural and heritage values of the project area including the results of any archaeological investigations undertaken (or any interim results of any archaeological investigations that have commenced but have yet to be completed) and key socio-cultural values identified in the Aboriginal Cultural Heritage Assessment Report referred to in Condition C-A1 of this schedule, and those of any future stages of the CSSI; d) details of the audience, potential devices to be employed in interpretation, possible locations for interpretation and how this will be incorporated into design; e) engagement with the Relevant Council(s) and regard for any relevant council heritage interpretation guidelines; and f) with respect to the Parramatta construction site and (a) above, any discussion must include how the heritage interpretation of the CSSI relates to the heritage interpretations of other projects in Parramatta, including State Significant Development projects and other SSI projects.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not included in Stage 1 Audit Program.
Sustainability							
C-B7	The CSSI must achieve a minimum Infrastructure Sustainability Council of Australia (ISCA) Infrastructure Sustainability rating of 75 (Version 1.2) (or equivalent level of performance using a demonstrated equivalent rating tool) or a 5-Star Green Star rating (or equivalent level of performance using a demonstrated equivalent rating tool).	Not Applicable	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Not included in Stage 1 Audit Program.
Biodiversity and Trees							
C-B8	As many mature trees as practicable must be retained. In addition, within ten (10) years of the date of this approval or no later than the commencement of operation of the CSSI (whichever is earlier) there must be a net increase in the number of mature trees provided at a ratio of 2:1. A net increase in the number of mature trees does not apply to trees that are subject to a biodiversity offset	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Not included in Stage 1 Audit Program.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
C-B9	The CSSI must result in an increase in tree canopy coverage.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Not included in Stage 1 Audit Program.
C-B10	Parts of Duck Creek and A'Becketts Creek that remain open channels at the Clyde Stabling and Maintenance Facility site must be rehabilitated and / or renaturalised before operation of the CSSI commences. **In areas that are within the tidal limits of Duck Creek and A'Becketts Creek, only species that are representative of PCT 920 are to be used in the revegetation. Elsewhere, revegetation must use species that are representative of the most appropriate plant community type in each location, depending on levels of inundation, salinity levels, and elevation as determined by an ecologist.** **Note: The most appropriate PCT may include the following: 1234, 1136, 781, 1808, 849, and 1800** **MOD-3**	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not included in Stage 1 Audit Program.
Climate Change							
C-B11	The CSSI must be designed to withstand known impacts associated with climate change to year 2100.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Not included in Stage 1 Audit Program.
SCHEDULE 3: CONDITIONS OF APPROVAL FOR STAGE 1							
PART A: ADMINISTRATIVE CONDITIONS							
General							
A1	The Proponent must carry out Stage 1 of the CSSI in accordance with the conditions of this approval and generally in accordance with the: a) Sydney Metro West – Westmead to The Bays and Sydney CBD Environmental Impact Statement dated 15 April 2020; b) Sydney Metro West – Westmead to The Bays and Sydney CBD Submissions Report dated 20 November 2020; c) Sydney Metro West – Westmead to The Bays and Sydney CBD Amendment Report dated 20 November 2020.;	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.

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	d) Sydney Metro West – Westmead to The Bays and Sydney CBD Modification Request Letter dated 21 June 2021; e) Sydney Metro West – Clyde stabling and maintenance facility Modification Report dated November 2021; f) Sydney Metro West – Concept and Stage 1 – Modification 2 Clyde stabling and maintenance facility (SSI-10038-Mod-2): Response to submissions dated 21 March 2022; g) Sydney Metro West – Concept and Stage 1 – Modification 3 Administrative Mod dated May 2022; and h) Sydney Metro West -Concept and Stage 1 – Modification 4 Administrative Mod dated 11 November 2022						
A2	Stage 1 of the CSSI must only be carried out in accordance with all procedures, commitments, preventative actions, performance criteria and mitigation measures set out in the documents listed in Condition A1 of this schedule unless otherwise specified in, or required under, this approval.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
A3	In the event of an inconsistency between: a) the conditions of this approval and any document listed in Condition A1 of this schedule, the conditions of this approval will prevail to the extent of the inconsistency; and b) any document listed in Condition A1 of this schedule, the most recent document will prevail to the extent of the inconsistency. *Note: For the purpose of this condition, there is an inconsistency between a term of this approval and any document if it is not possible to comply with both the term and the document.*	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
A4	In the event that there are differing interpretations of the conditions of this approval, including in relation to a condition of this approval, the Planning Secretary's interpretation is final.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
A5	The Proponent must comply with all written requirements or directions of the Planning Secretary, including in relation to: a) the environmental performance of Stage 1 of the CSSI; b) any document or correspondence in relation to Stage 1 of the CSSI; c) any notification given to the Planning Secretary under the conditions of this approval; d) any audit of Stage 1 of the CSSI;	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	e) the conditions of this approval and compliance with the conditions of this approval (including anything required to be done under this approval); f) the carrying out of any additional monitoring or mitigation measures; and g) in respect of ongoing monitoring and management obligations, compliance with an updated or revised version of a guideline, protocol, Australian Standard or policy required to be complied with under the conditions of this approval.						
A6	Where the conditions of this approval require a document or monitoring program to be prepared, or a review to be undertaken, in consultation with identified parties, evidence of the consultation undertaken must be submitted to the Planning Secretary with the document. The evidence must include: a) documentation of the engagement with the party identified in the condition of approval that has occurred before submitting the document for approval; b) a log of the dates of engagement or attempted engagement with the identified party and a summary of the issues raised by them; c) documentation of the follow-up with the identified party(s) where feedback has not been provided to confirm that the party(s) has none or has failed to provide feedback after repeated requests; d) outline of the issues raised by the identified party(s) and how they have been addressed; and e) a description of the outstanding issues raised by the identified party(s) and the reasons why they have not been addressed.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
A7	This approval lapses five (5) years after the date on which it is granted, unless work has physically commenced on or before that date.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	The Project works have physically commenced. Not included in the Stage 1 Audit program.
A8	References in the conditions of this approval to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, standards or policies in the form they are in as at the date of this approval.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
A9	Any document that must be submitted or action taken within a timeframe specified in or under the conditions of this approval may be submitted or undertaken within a later timeframe agreed with the	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.

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Unique ID	Compliance requirement[1]	Applicability to each phase (Phasing Report, Version 1.4, May 2022)					Frequency / timing of inclusion in audit scope[2,3]
		Phase A	Phase B	Phase C	Phase E	Phase A	
	Planning Secretary. This condition does not apply to the written notification required in respect of an incident under Condition A43 of this schedule						
Phasing							
A10	Stage 1 of the CSSI may be constructed in phases. Where phased construction is proposed, a Phasing Report must be prepared and submitted to the Planning Secretary for information. The Phasing Report must be submitted to the Planning Secretary for information no later than one (1) month before the commencement of construction of the first of the proposed phases of construction	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
A11	The Phasing Report must: a) set out how construction of the whole of Stage 1 of the CSSI will be phased, including details of work and other activities to be carried out in each phase and the general timing of when construction of each phase will commence and finish; b) specify the relevant conditions that apply to each phase and how compliance with conditions will be achieved across and between each of the phases of Stage 1 of the CSSI; c) set out mechanisms for managing any cumulative impacts arising from the proposed phasing; and d) **for the purposes of informing Conditions C2, C7 and C18,** include an assessment of the predicted level of environmental risk and potential level of community concern posed by the construction activities required to construct each phase of Stage 1 of the CSSI. With respect to (d) above, the risk assessment must use an appropriate process consistent with AS/NZS ISO 31000: 2018; Risk Management - Principles and Guidelines and must be endorsed by the ER. **[SSI-10038 Mod-1]**	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
A12	Stage 1 of the CSSI must be phased in accordance with the Phasing Report, as submitted to the Planning Secretary for information.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
A13	Where phasing is proposed, the conditions of this approval that apply or are relevant to the work or activities to be carried out in a specific phase must be complied with at the relevant time for that phase.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
A14	Where changes are proposed to the phasing of construction, a revised Phasing Report must be prepared and submitted to the Planning Secretary for information before the commencement of changes to the phasing of construction.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
A15	With the approval of the Planning Secretary, the Proponent may submit any strategies, plans or programs required by this approval on a progressive basis within each phase of Stage 1 of the CSSI. *Notes:* 1. *While any strategy, plan or program may be submitted on a progressive basis, the Proponent will need to ensure that the existing activities on site are covered by suitable strategies, plans or programs at all times; and* 2. *If the submission of any strategy, plan or program is to be submitted on a progressive basis, then the relevant strategy, plan or program must clearly describe the activities to which the strategy, plan or program applies, the relationship of this activity to any future activities within the phase, and the trigger for updating the strategy, plan or program*	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction.
Ancillary Facilities							
A16	**Ancillary Facilities** Ancillary facilities that are not identified by description and location in the documents listed in Condition A1 of this schedule can only be established and used in each case if: a) they are located within or immediately adjacent to the Construction Boundary; and b) they are not located next to sensitive land user(s) (including where an access road is between the facility and the receiver), unless the landowner and occupier have given written acceptance to the carrying out of the relevant facility in the proposed location; and c) they have no impacts on Heritage items (including areas of archaeological sensitivity), threatened species, populations or ecological communities beyond the impacts approved under the conditions of this approval; and d) the establishment and use of the facility can be carried out and managed within the outcomes set out in the conditions of this approval, including in relation to environmental, social and economic impacts. *Note: This condition does not apply to any ancillary facilities or work that are exempt or complying development, established before the commencement of construction under this approval or minor ancillary facilities established under Condition A21 of this schedule.*	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following establishment of ancillary facilities not identified in the EIS for contractors and sites identified as subject to audit in the Scoping Statement.
Site Establishment Work							
A17	**Site Establishment Management Plan**	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following commencement of site establishment

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Unique ID	Compliance requirement[1]	Applicability to each phase (Phasing Report, Version 1.4, May 2022)					Frequency / timing of inclusion in audit scope[2,3]
		Phase A	Phase B	Phase C	Phase E	Phase A	
	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: 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); b) figures illustrating the proposed operational site layout and the location of the closest sensitive land user(s); 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; 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. Nothing in this condition prevents the Proponent from preparing individual Site Establishment Management Plans for each ancillary facility.						ancillary facilities for contractors and sites identified as subject to audit in the Scoping Statement.
A18	With the exception of a Site Establishment Management Plan relating to the Silverwater ancillary facility referred to in Condition A19 below and any other Site Establishment Management Plan expressly nominated by the Planning Secretary to be endorsed by the ER, all Site Establishment Management Plans must be submitted to the Planning Secretary for approval one (1) month before the establishment of any ancillary facilities.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following commencement of site establishment of ancillary facilities for contractors and sites identified as subject to audit in the Scoping Statement.
A19	A Site Establishment Management Plan relating to the Silverwater ancillary facility and any other Site Establishment Management Plan expressly nominated by the Planning Secretary must be submitted	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following commencement of site establishment at

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	to the ER for endorsement one (1) month before the establishment of that ancillary facility or as otherwise agreed with the ER.						Silverwater ancillary facility.
A20	**Use of Ancillary Facilities** The use of an ancillary facility for construction must not commence until the CEMP required by Condition C1 of this schedule, relevant CEMP Sub-plans required by Condition C5 of this schedule and relevant Construction Monitoring Programs required by Condition C14 of this schedule have been approved by the Planning Secretary or endorsed by the ER (whichever is applicable). Note: This condition does not apply to Condition A21 of this schedule or where the use of an ancillary facility is Low Impact Work or for Low Impact Work.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following commencement of use of ancillary facilities for contractors and sites identified as subject to audit in the Scoping Statement.
A21	**Minor Ancillary Facilities** 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.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following establishment of minor ancillary facilities for contractors and sites identified as subject to audit in the Scoping Statement.
A22	**Boundary Screening** Boundary screening must be erected around ancillary facilities that are adjacent to sensitive land user(s) for the duration that the ancillary facility is in use unless otherwise agreed with relevant affected residents, business operators or landowners.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following establishment of ancillary facilities for contractors and sites identified as subject to audit in the Scoping Statement.
A23	Boundary screening required under Condition A22 of this schedule must minimise visual impacts on adjacent sensitive land user(s).	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following establishment of ancillary facilities for

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		Phase A	Phase B	Phase C	Phase E	Phase A	
							contractors and sites identified as subject to audit in the Scoping Statement.
Independent Appointments							
A24	All Independent Appointments required by the conditions of this approval must hold current membership of a relevant professional body, unless otherwise agreed by the Planning Secretary.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction until all independent appointments are complete.
A25	The Planning Secretary may at any time commission an audit of how an Independent Appointment has exercised their functions. The Proponent must: a) facilitate and assist the Planning Secretary in any such audit; and b) make it a term of their engagement of an Independent Appointment that the Independent Appointment facilitate and assist the Planning Secretary in any such audit.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit in the event the Planning Secretary commissions an audit under this requirement.
A26	Upon completion of an audit under Conditions A25 above, the Planning Secretary may withdraw its approval of an Independent Appointment should they consider the Independent Appointment has not exercised their functions in accordance with this approval. *Note: Conditions A25 and A26 of this schedule apply to all Independent Appointments including the ER, AA and Independent Auditor*	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit in the event the Planning Secretary commissions an audit under this requirement.
Environment Representative							
A27	Work must not commence until an Environmental Representative (ER) has been nominated by the Proponent and approved by the Planning Secretary.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following nomination of each ER.
A28	The proposed ER must be a suitably qualified and experienced person(s) who was not involved in the preparation of the documents listed in Condition A1 of this schedule, and is independent from the design and construction personnel for the CSSI and those involved in the delivery of it.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following nomination of each ER.
A29	The Proponent may engage more than one ER for Stage 1 of the CSSI, in which case the functions to be exercised by an ER under the conditions of this approval may be carried out by any ER that is approved by the Planning Secretary for the purposes of Stage 1 of the CSSI. The ER must meet the requirements of the Department's Environmental Representative Protocol (DPE, 2018). The	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following nomination of each ER.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	appointment of the ER must have regard to the Department's guideline Seeking approval from the Department for the appointment of independent experts (DPIE, 2020).						
A30	For the duration of the work or as agreed with the Planning Secretary, the approved ER must: a) receive and respond to communication from the Planning Secretary in relation to the environmental performance of Stage 1 of the CSSI; b) consider and inform the Planning Secretary on matters specified in the conditions of this approval; c) 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; d) 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: I. 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 II. 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); e) 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; f) 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; g) 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; h) as may be requested by the Planning Secretary, assist in the resolution of community complaints received directly by the Department;	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit periodically during construction.

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Unique ID	Compliance requirement[1]	Applicability to each phase (Phasing Report, Version 1.4, May 2022)					Frequency / timing of inclusion in audit scope[2,3]
		Phase A	Phase B	Phase C	Phase E	Phase A	
	i) consider or assess the impacts of minor ancillary facilities comprising lunch sheds, office sheds and portable toilet facilities as required by Condition A21 of this schedule; and j) 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; k) 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 l) assess the impacts of activities as required by the Low Impact Work definition. With respect to (d) above, the ER is not required to endorse the specialist content in documents requiring specialist review and / or endorsement.						
A31	The Proponent must provide the ER with all documentation requested by the ER in order for the ER to perform their functions specified in Condition A30 of this schedule (including preparation of the ER monthly report), as well as: a) the Complaints Register (to be provided on a weekly basis or as requested); and b) a copy of any assessment carried out by the Proponent of whether proposed work is consistent with the approval (which must be provided to the ER before the commencement of the subject work).	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit periodically during construction.
Acoustics Advisor							
A32	A suitably qualified and experienced Acoustics Advisor(s) (AA) in noise and vibration management, who is independent of the design and construction personnel, must be nominated by the Proponent and engaged for the duration of work (as required by Condition A35 of this schedule) and for no less than six (6) months following completion of construction of Stage 1 of the CSSI.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following appointment of each AA.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
A33	Work must not commence until an AA has been nominated by the Proponent and approved by the Planning Secretary.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following appointment of each AA.
A34	The Proponent must cooperate with the AA by: a) providing access to noise and vibration monitoring activities as they take place; b) providing access to the Complaints Register if requested; c) providing for review of noise and vibration documents required to be prepared under the conditions of this approval; and d) considering any recommendations to improve practices and demonstrating, to the satisfaction of the AA, why any recommendation is not adopted.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit periodically during construction.
A35	The Proponent may nominate additional suitably qualified and experienced persons to assist the lead AA for the Planning Secretary's approval.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following appointment of each AA.
A36	The approved AA must: a) 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; b) consider and inform the Planning Secretary on matters specified in the conditions of this approval relating to noise and vibration; c) consider and recommend, to the Proponent, improvements that may be made to avoid or minimise adverse noise and vibration impacts; d) 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; e) 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);	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit periodically during construction.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	f) 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; g) review the Proponent's notification of incidents in accordance with Condition A43 of this schedule; h) in conjunction with the ER (where required), the AA must: I. 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, II. 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 B1 of this schedule to attempt to resolve the conflict, and if it cannot be resolved, notify the Planning Secretary, III. 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 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), IV. if requested by the ER, review the noise impacts of minor ancillary facilities, and V. 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.						
Notification of Commencement							

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		Phase A	Phase B	Phase C	Phase E	Phase A	
A37	The Department must be notified in writing of the date of commencement of construction before the commencement of construction	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following commencement of each phase.
A38	If construction of Stage 1 of the CSSI is to be phased, the Department must be notified in writing before the commencement of each phase, of the date of the commencement of that phase.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following commencement of each phase.
Independent Environmental Audit							
A39	Independent Audits of Stage 1 of the CSSI must be conducted and carried out in accordance with the Independent Audit Post Approval Requirements (DPIE, 2020).	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	This is conducted by the Auditor. Details to be included in the relevant Audit Report.
A39.1	**Notwithstanding Condition A39, the Proponent may prepare an audit program to outline the scope and timing of each independent audit that will be undertaken during construction. If prepared, the audit program must be developed in consultation with, and approved by, the Planning Secretary before commencement of the first audit and implemented throughout construction.** **MOD-1**	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	This is conducted by the Auditor. Details to be included in the relevant Audit Report.
A40	Proposed independent auditors must be approved by the Planning Secretary before the commencement of an Independent Audit	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	This is conducted by the Auditor. Details to be included in the relevant Audit Report.
A41	The Planning Secretary may require the initial and subsequent Independent Audits to be undertaken at different times to those specified in the Independent Audit Post Approval Requirements (DPIE, 2020), upon giving at least four (4) weeks' notice (or timing as stipulated by the Planning Secretary) to the Proponent of the date upon which the audit must be commenced.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	This is conducted by the Auditor following direction from the Department. Details to be included in the relevant Audit Report.
A42	Independent Audit Reports and the Proponent's response to audit findings must be submitted to the Planning Secretary within two (2) months of undertaking the independent audit site inspection as outlined in the Independent Audit Post Approval Requirements (DPIE, 2020), unless otherwise agreed by the Planning Secretary.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit in each subsequent audit.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
Incident and Non-compliance Notification and Reporting							
A43	The Planning Secretary must be notified via phone or in writing via the Major Projects website immediately after the Proponent becomes aware of an incident. Any notification via phone must be followed up by a notification in writing via the Major Projects website within 24 hours of the initial phone call. The written notification must identify the CSSI (including the application number and the name of the CSSI if it has one) and set out the location and general nature of the incident.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.
A44	Subsequent notification must be given and reports submitted in accordance with the requirements set out in Appendix A.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.
A45	The Planning Secretary must be notified in writing via the Major Projects website within seven (7) days after the Proponent becomes aware of any non-compliance with the conditions of this approval.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.
A46	A non-compliance notification must identify the CSSI (including the application number for it), set out the condition of approval that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be undertaken to address the non-compliance. *Note: A non-compliance which has been notified as an incident does not need to also be notified as a noncompliance.*	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.
Identification of Workforce							
A47	All Heavy Vehicles used for spoil haulage must be clearly marked on the sides and rear with the project name and application number to enable immediate identification by a person viewing the Heavy Vehicle standing 20 metres away.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction for contractors and sites identified as subject to audit in the Scoping Statement.
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.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction for contractors and sites identified as subject to audit in the Scoping Statement.
PART B: COMMUNITY INFORMATION AND REPORTING							

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Unique ID	Compliance requirement[1]	Applicability to each phase (Phasing Report, Version 1.4, May 2022)					Frequency / timing of inclusion in audit scope[2,3]
		Phase A	Phase B	Phase C	Phase E	Phase A	
Community Information, Consultation and Involvement							
B1	**Community Communication** The Overarching Community Communication Strategy as provided in the documents listed in Condition A1 of this schedule must be implemented for the duration of the work.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction for contractors and sites identified as subject to audit in the Scoping Statement.
Complaints Management System							
B2	A Complaints Management System must be prepared and implemented before the commencement of any work and maintained for the duration of construction and for a minimum for 12 months following completion of construction of Stage 1 of the CSSI.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.
B3	The following information must be available to facilitate community enquiries and manage complaints before the commencement of work and for 12 months following the completion of construction: a) a 24- hour telephone number for the registration of complaints and enquiries about the CSSI; b) a postal address to which written complaints and enquires may be sent; c) an email address to which electronic complaints and enquiries may be transmitted; and d) a mediation system for complaints unable to be resolved. This information must be accessible to all in the community regardless of age, ethnicity, disability or literacy level.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.
B4	A Complaints Register must be maintained recording information on all complaints received about the CSSI during the carrying out of any work and for a minimum of 12 months following the completion of construction. The Complaints Register must record the: a) number of complaints received; b) date and time of the complaint; c) number of people in the household affected in relation to a complaint, if relevant; d) method by which the complaint was made; e) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	f) issue of the complaint; g) means by which the complaint was addressed and whether resolution was reached, with or without mediation; and h) if no action was taken, the reason(s) why no action was taken.						
B5	Complainants must be advised of the following information before, or as soon as practicable after, providing personal information: a) the Complaints Register may be forwarded to government agencies, including the Department (Department of Planning Industry and Environment, 4 Parramatta Square, 12 Darcy Street, Parramatta NSW 2150), to allow them to undertake their regulatory duties; b) by providing personal information, the complainant authorises the Proponent to provide that information to government agencies; c) the supply of personal information by the complainant is voluntary; and d) the complainant has the right to contact government agencies to access personal information held about them and to correct or amend that information (Collection Statement). The Collection Statement must be included on the Proponent or development website to make prospective complainants aware of their rights under the Privacy and Personal Information Protection Act 1998 (NSW). For any complaints made in person, the complainant must be made aware of the Collection Statement.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.
B6	The Complaints Register must be provided to the Planning Secretary upon request, within the timeframe stated in the request. Note: Complainants must be advised that the Complaints Register may be forwarded to Government agencies to allow them to undertake their regulatory duties.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.
B7	A Community Complaints Mediator that is independent of the design and construction personnel must be engaged by the Proponent, upon the referral of the complaint by the ER in accordance with the Overarching Community Communication Strategy.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following referral of each complaint for mediation by the ER.
B8	The role of the Community Complaints Mediator is to provide independent mediation services for any reasonable and unresolved complaint referred by the ER where a member of the public is not satisfied by the Proponent's response. Where a Community Complaints Mediator is required, a mediator accredited under the National Mediator Accreditation System (NMAS), administered by the Mediator Standards Board must be appointed.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following referral of each complaint for mediation by the ER until complaint resolved.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
B9	Community Complaints Mediation will: a) review any unresolved disputes, referred by the ER in accordance with the Overarching Community Communication Strategy; b) make recommendations to the Proponent to satisfactorily address complaints	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following referral of each complaint for mediation by the ER until complaint resolved.
B10	Community Complaints Mediation will not be enacted before the Complaints Management System required by Condition B2 of this schedule has been executed for a complaint and will not consider issues such as property acquisition, where other dispute processes are provided for in this approval or clear government policy and resolution processes are available, or matters which are not within the scope of this CSSI.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following referral of each complaint for mediation by the ER until complaint resolved.
Provision of Electronic Information							
B11	A website or webpage providing information in relation to the CSSI must be established before commencement of work and maintained for the duration of construction, and for a minimum of 24 months following the completion of all phases of construction of Stage 1 of the CSSI. Up-to-date information (excluding confidential, private, commercial information or other documents as agreed to by the Planning Secretary) must be published before the relevant work commencing and maintained on the website or dedicated pages including: a) information on the current implementation status of Stage 1 of the CSSI; b) a copy of the documents listed in Condition A1 of this schedule, and any documentation relating to any modifications made to the CSSI or the conditions of this approval; c) a copy of this approval in its original form, a current consolidated copy of this approval (that is, including any approved modifications to its conditions), and copies of any approval granted by the Minister to a modification of the conditions of this approval, or links to the referenced documents where available; d) a copy of each statutory approval, licence or permit required and obtained in relation to Stage 1 of the CSSI, or where the issuing agency maintains a website of approvals, licences or permits, a link to that website; e) a current copy of each document required under the conditions of this approval, which must be published within one (1) week of its approval or before the commencement of any work to which they relate or before their implementation, as the case may be; and f) a copy of the audit reports required under this approval. Where the information / document relates to a particular work or is required to be implemented, it must be published before the	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit for the entire Project in every audit.

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	commencement of the relevant work to which it relates or before its implementation. All information required in this condition is to be provided on the website or webpage, and easy to navigate.						
PART C: CONSTRUCTION ENVIRONMENTAL MANAGEMENT							
Construction Environmental Management Plan							
C1	Construction Environmental Management Plans (CEMPs) and CEMP Sub-plans must be prepared in accordance with the Construction Environmental Management Framework (CEMF) included in the documents listed in Condition A1 of this schedule to detail how the performance outcomes, commitments and mitigation measures specified in the documents listed in Condition A1 of this schedule will be implemented and achieved during construction	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit the adequacy and implementation of the CEMP Sub-plan for the contractors, sites and key issues nominated for audit in each Scoping Statement.
C2	With the exception of any CEMPs expressly nominated by the Planning Secretary to be endorsed by the ER, all CEMPs must be submitted to the Planning Secretary for approval.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following commencement of construction of each Phase.
C3	The CEMP(s) not requiring the Planning Secretary's approval must be submitted to the ER for endorsement no later than one (1) month before the commencement of construction or where construction is phased no later than one (1) month before the commencement of that phase. That CEMP must obtain the endorsement of the ER as being consistent with the conditions of this approval and all undertakings made in the documents listed in Condition A1 of this schedule.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following commencement of construction of each Phase.
C4	Any CEMP to be approved by the Planning Secretary must be endorsed by the ER and then submitted to the Planning Secretary for approval no later than one (1) month before the commencement of construction or where construction is phased no later than one (1) month before the commencement of that phase.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following commencement of construction of each Phase.
C5	Of the CEMP Sub-plans required under Condition C1 of this schedule, the following CEMP Sub-plans must be prepared in consultation with the relevant government agencies identified for each CEMP Sub-plan. Details of issues raised by a government agency during consultation must be included in the relevant CEMP Sub-plan, including copies of all correspondence from those government agencies as required by Condition A6 of this schedule. Where a government agency (ies) request(s) is not included, the Proponent must provide the Planning Secretary / ER (whichever is applicable) justification as to why:	Full Compliance, except for (b), (d) and (e).	Full Compliance	Full Compliance Except in relation to C5 (c)	Not Applicable	Full Compliance	Audit the adequacy and implementation of the CEMP Sub-plan for the contractors, sites and key issues nominated for audit in each Scoping Statement.

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<tr><td>C6</td><td>The CEMP Sub-plans must state how:
a) the environmental performance outcomes identified in the documents listed in Condition A1 of this schedule will be achieved;
b) the mitigation measures identified in the documents listed in Condition A1 of this schedule will be implemented;
c) the relevant conditions of this approval will be complied with; and
d) issues requiring management during construction (including cumulative impacts), as identified through ongoing environmental risk analysis, will be managed through SMART principles.</td><td>Full Compliance</td><td>Full Compliance</td><td>Full Compliance</td><td>Not Applicable</td><td>Full Compliance</td><td>Audit the adequacy and implementation of the CEMP Sub-plan for the contractors and key issues nominated for audit in each Scoping Statement.</td></tr>
<tr><td>C7</td><td>With the exception of any CEMP Sub-plans expressly nominated by the Planning Secretary to be endorsed by the ER, all CEMP Sub-plans must be submitted to the Planning Secretary for approval.</td><td>Full Compliance</td><td>Full Compliance</td><td>Full Compliance</td><td>Not Applicable</td><td>Full Compliance</td><td>Audit once following submission of each CEMP Sub-plan to</td></tr>
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Unique ID	Compliance requirement[1]	Applicability to each phase (Phasing Report, Version 1.4, May 2022)					Frequency / timing of inclusion in audit scope[2,3]
		Phase A	Phase B	Phase C	Phase E	Phase A	
							the Planning Secretary.
C8	The CEMP Sub-plans not requiring the Planning Secretary's approval must obtain the endorsement of the ER as being in accordance with the conditions of approval and all relevant undertakings made in the documents listed in Condition A1 of this schedule. Any of these CEMP Sub-plans must be submitted to the ER with, or subsequent to, the submission of the CEMP but in any event, no later than one (1) month before construction or where construction is phased no later than one (1) month before the commencement of that phase.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit once following ER endorsement of each CEMP Sub-plan.
C9	Any of the CEMP Sub-plans to be approved by the Planning Secretary must be submitted to the Planning Secretary with, or subsequent to, the submission of the CEMP but in any event, no later than one (1) month before construction or where construction is phased no later than one (1) month before the commencement of that phase.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit once following commencement of construction of each Phase.
C10	Construction must not commence until the CEMP and all CEMP Sub-plans have been approved by the Planning Secretary or endorsed by the ER (whichever is applicable), unless otherwise agreed by the Planning Secretary. The CEMP and CEMP Sub-plans, as approved by the Planning Secretary or endorsed by the ER (whichever is applicable), including any minor amendments approved by the ER, must be implemented for the duration of construction. Where construction of Stage 1 of the CSSI is phased, construction of a phase must not commence until the CEMP and CEMP Sub-plans for that phase have been approved by the Planning Secretary or **endorsed** by the ER upon nomination by the Planning Secretary (whichever is applicable). **MOD-1**	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit the adequacy and implementation of the CEMP Sub-plan for the contractors and key issues nominated for audit in each Scoping Statement.
C11	In addition to the relevant requirements of the CEMF, the Flora and fauna CEMP Sub-plan must include, but not be limited to: a) site specific mitigation measures to manage impacts (including proposed techniques, timing, frequency and responsibility of implementing); b) measures to minimise disturbance to habitat associated with Myotis macropus / Southern Myotis, including demolition inspections by a suitably qualified ecologist of any vegetation to be cleared and any buildings or structures identified as potential roosting habitat for microbats that are to be demolished or refurbished; c) measures to minimise and mitigate disturbance to mangrove forests at the Clyde Maintenance and Stabling construction site to the extent necessary; and d) details for undertaking and mitigating vegetation clearance through improved environmental outcomes.	Not Applicable	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit the adequacy and implementation of the Flora and Fauna CEMP Sub-plan/s when flora and fauna is nominated for specific contractor/s as being subject to audit within the Scoping Statement (following clearing of native vegetation or habitat).

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		Phase A	Phase B	Phase C	Phase E	Phase A	
C12	In addition to the relevant requirements of the CEMF, the Soil and Water CEMP Sub-plan must include, but not be limited to: a) details of construction activities and their locations which have the potential to expose areas known to contain, or potentially contain, contaminated soils and / or materials; b) measures for the handling, treatment and management of hazardous and contaminated soils and materials including measures to manage and / or minimise worker and public health and safety with regards to exposure to contamination; and c) a description of how the effectiveness of the actions and measures for managing contamination impacts would be monitored during the proposed works, clearly indicating how often this monitoring would be undertaken, the locations where monitoring would take place, and how the results of the monitoring would be recorded and reported.	Full Compliance	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit the adequacy and implementation of the Soil and Water CEMP Sub-plan as requested by the Department or other stakeholder, or in the event of recurring construction water related incidents, complaints or ER observations. Audit to focus on the contractor/s / sites that are the source of the incidents, complaints and observations and will be defined within the Scoping Statement.
C13	In addition to the relevant requirements of the CEMF, the Heritage CEMP Sub-plan must include, but not be limited to: a) be prepared in consultation with a suitably qualified and experienced heritage expert; b) identify exclusion zones, archival recording requirements, baseline and periodic monitoring protocols (including before and during construction); c) identify and assess the heritage significance of the ancillary structures proposed to be demolished or significantly impacted that are within the curtilage of White Bay Power Station and other items identified as retaining 'potential heritage significance' in the documents listed in Condition A1 of this schedule and which will be impacted by the CSSI; d) in association with Condition D61 of this schedule, set out the final site inspections to be conducted within three (3) months of completion of construction for the following heritage sites unless otherwise agreed by the Planning Secretary: I. the Roxy Theatre (SHR I00711); II. White Bay Power Station (SHR I01015);	Not Applicable	Full Compliance with respect to the White Bay Power Station and former State Abattoirs	Full Compliance except for in relation to archival recording requirements, (c.) (d) (ii), (iii)	Not Applicable	Full Compliance, except with respect to White Bay Power Station and former State Abattoirs	Audit the adequacy and implementation of the Heritage CEMP Sub-plan periodically during construction until all known heritage items are cleared. Audit once >6 months after completion of construction at the construction site/s identified in the relevant Heritage CEMP Sub-plan.

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<tr><td></td><td>III. the former State Abattoirs (State Environmental Planning Policy (State Significant Precincts) 2005 Item 141); and
IV. the RTA Depot facade fronting Unwin Street (Parramatta Local Environmental Plan 2011 I576); and
e) set out means of rectification of any damage by the CSSI to Heritage items (d)(i) to (d)(iv) above within six (6) months of the completion of construction at the construction site identified in the relevant Heritage CEMP Sub-plan. This rectification work must be in consultation with a suitably qualified and experienced heritage consultant to ensure the use of appropriate materials, appropriate conservation practices and in accordance with existing heritage management documents (for example, conservation management plans or strategies) to protect and conserve the heritage significance of the items. The Heritage CEMP Sub-plan must include Aboriginal cultural heritage management and mitigation measures (that may include conservation, archaeological salvage excavation and community collection) based on the Aboriginal Cultural Heritage Excavation Report and continuing Aboriginal community consultation.</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td colspan="2">Construction Monitoring Programs</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>C14</td><td>The following Construction Monitoring Programs must be prepared in consultation with the relevant government agencies identified for each to compare actual performance of construction of Stage 1 of the CSSI against the performance predicted in the documents listed in Condition A1 of this schedule or in the CEMP:
<table>
<tr><th></th><th>Required Construction Monitoring Programs</th><th>Relevant government agencies to be consulted for each Construction Monitoring Program</th></tr>
<tr><td>a)</td><td>Noise and vibration</td><td>EPA, SOPA (in respect of Sydney Olympic Park), Place Management NSW (in respect of The Bays) and Relevant Council(s)</td></tr>
<tr><td>b)</td><td>Blasting</td><td>SOPA (in respect of Sydney Olympic Park), Place Management NSW (in respect of The Bays) and Relevant Council(s)</td></tr>
<tr><td>c)</td><td>Surface water quality</td><td>DPE Water, Relevant Council(s) and Sydney Water (if any Sydney Water assets are impacted)</td></tr>
<tr><td>d)</td><td>Groundwater</td><td>DPE Water and SOPA (in respect of Sydney Olympic Park)</td></tr>
</table></td><td>Full Compliance, except for (b), (c) and (d)</td><td>Full Compliance, except for (b)</td><td>Full Compliance only in relation to C14 (a).</td><td>Not Applicable</td><td>Full Compliance</td><td>Audit the adequacy and implementation of the Construction Monitoring Program/s for the contractors, sites and key issues nominated for audit in each Scoping Statement.</td></tr>
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		Phase A	Phase B	Phase C	Phase E	Phase A	
	Note: The Blasting Construction Monitoring Program is only required to be prepared if blasting is proposed to be conducted during construction. **MOD-2**						
C15	Each Construction Monitoring Program must provide: a) details of baseline data available including the period of baseline monitoring; b) details of baseline data to be obtained and when; c) details of all monitoring of the project to be undertaken; d) the parameters of the project to be monitored; e) the frequency of monitoring to be undertaken; f) the location of monitoring; g) the reporting of monitoring results and analysis results against relevant criteria; h) details of the methods that will be used to analyse the monitoring data; i) procedures to identify and implement additional mitigation measures where the results of the monitoring indicated unacceptable project impacts; j) a consideration of SMART principles; and k) any consultation to be undertaken in relation to the monitoring programs; and l) any specific requirements as required by Conditions C16 to C17 of this schedule.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit the adequacy and implementation of the Construction Monitoring Program/s for the contractors, sites and key issues nominated for audit in each Scoping Statement.
C16	The Noise and Vibration Construction Monitoring Program and Blasting Construction Monitoring Program must include: a) noise and vibration monitoring determined in consultation with the AA to confirm the best achievable construction noise and vibration levels with consideration of all reasonable and feasible mitigation and management measures that will be implemented; b) for the purposes of (a), noise monitoring must be undertaken during the day, evening and night-time periods and within the first month of work as well as throughout the construction period and cover the range of activities being undertaken at the sites; and	Full Compliance, except for a Blast Construction Monitoring Program	Full Compliance, except in relation to a Blasting Monitoring Program	Full Compliance except in relation to the Blasting Construction Monitoring Program.	Not Applicable	Full Compliance, except in relation to a Blasting Monitoring Program	Audit the adequacy and implementation of the Noise and Vibration Monitoring Program/s when nominated for specific contractor/s as being subject to audit within the Scoping Statement.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	c) a process to undertake real time noise and vibration monitoring. The results of the monitoring must be readily available to the construction team, the Proponent, ER and AA. The Planning Secretary and EPA must be provided with access to the results on request.						
C17	Groundwater Construction Monitoring Program must include: a) groundwater monitoring networks at each construction excavation site; b) detail of the location of all monitoring bores with nested sites to monitor both shallow and deep groundwater levels and quality; c) define the location of saltwater interception monitoring where sentinel groundwater monitoring bores will be installed between the saline sources of the estuary or river and that of the stations or shafts; d) results from existing monitoring bores; e) monitoring and gauging of groundwater inflow to the excavations, appropriate trigger action response plan for all predicted groundwater impacts upon each noted neighbouring groundwater system component for each excavation construction site; f) trigger levels for groundwater quality, salinity and groundwater drawdown in monitoring bores and / or other groundwater users; g) daily measurement of the amount of water discharged from the water treatment plants; h) water quality testing of the water discharged from treatment plants; i) management and mitigation measures and criteria; j) groundwater inflow to the excavations to enable a full accounting of the groundwater take from the Sydney Basin Central Groundwater Source; and k) reporting of groundwater gauging at excavations, groundwater monitoring, groundwater trigger events and action responses; and l) methods for providing the data collected to Sydney Water where discharges are directed to their assets.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit the adequacy and implementation of the Noise and Vibration Monitoring Program/s for specific contractor/s as requested by the Department or in the event of complaints relating to settlement or decline in water supply.
C18	With the exception of any Construction Monitoring Programs expressly nominated by the Planning Secretary to be endorsed by the ER, all Construction Monitoring Programs must be submitted to the Planning Secretary for approval.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit once following submission of each Construction Monitoring Program

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							to the Planning Secretary.
C19	The Construction Monitoring Programs not requiring the Planning Secretary's approval must obtain the endorsement of the ER as being in accordance with the conditions of approval and all undertakings made in the documents listed in Condition A1 of this schedule. Any of these Construction Monitoring Programs must be submitted to the ER for endorsement at least one (1) month before the commencement of construction or where construction is phased no later than one (1) month before the commencement of that phase.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit once following ER endorsement of each Construction Monitoring Program.
C20	Any of the Construction Monitoring Programs which require Planning Secretary approval must be endorsed by the ER and then submitted to the Planning Secretary for approval at least one (1) month before the commencement of construction or where construction is phased no later than one (1) month before the commencement of that phase.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit once following commencement of construction of each Phase.
C21	Unless otherwise agreed with the Planning Secretary, construction must not commence until the Planning Secretary has approved, or the ER has endorsed (whichever is applicable), all of the required Construction Monitoring Programs and all relevant baseline data for the specific construction activity has been collected.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit once following commencement of construction of each Phase.
C22	The Construction Monitoring Programs, as approved by the Planning Secretary or the ER has endorsed (whichever is applicable), including any minor amendments approved by the ER, must be implemented for the duration of construction and for any longer period set out in the monitoring program or specified by the Planning Secretary or the ER (whichever is applicable), whichever is the greater.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit the adequacy and implementation of the Construction Monitoring programs for the contractors and key issues nominated for audit in each Scoping Statement.
C23	The results of the Construction Monitoring Programs must be submitted to the Planning Secretary, ER and relevant regulatory agencies, for information in the form of a Construction Monitoring Report at the frequency identified in the relevant Construction Monitoring Program. *Note: Where a relevant CEMP Sub-plan exists, the relevant Construction Monitoring Program may be incorporated into that CEMP Sub-plan.*	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit the reporting on the results from the Construction Monitoring programs for the contractors and key issues nominated for audit in each Scoping Statement.
PART D: KEY ISSUE CONDITIONS							

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Air Quality							
D1	All reasonably practicable measures must be implemented to minimise the emission of dust and other air pollutants during construction.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit in the event of repeat complaints regarding dust / air quality. Audit to focus on site/s that are the source of the complaints.
Biodiversity and Trees							
D2	**Biodiversity Credits** The clearing of native vegetation must be minimised to the greatest extent practicable with the objective of reducing impacts to threatened ecological communities and threatened species habitat.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit at each site where clearing of native vegetation has occurred. Audit to occur following the clearing.
D3	Impacts to plant community types must not exceed those identified in the documents listed in Condition A1 of this schedule, unless otherwise approved by the Planning Secretary. In requesting the Planning Secretary's approval, an assessment of the additional impact(s) to plant community types and an updated ecosystem and / or species credit requirement under Condition D4 below, if required, must be provided	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit following any native vegetation clearing events until all clearing is complete and all credits retired.
D4	Before any vegetation clearing or tree removal that must be offset, **the relevant** credits specified in Table 3 below must be purchased and retired. The retirement of credits must be carried out in accordance with the offset rules of the BC Act. Table 3: Biodiversity Credits to be Retired Credit Type — Number of Credits Ecosystem Credits — Mangrove Forests in estuaries of the Sydney Basin Bioregion and South East Corner Bioregion (Plant Community Type 920) - Poor — 3	Not Applicable	Not Applicable	Full Compliance	Not Applicable	Full Compliance	Audit following any native vegetation clearing events until all clearing is complete and all credits retired.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	<table><tr><td>Species Credits for Threatened Species</td><td></td></tr><tr><td>Myotis macropus / Southern Myotis (Fauna)</td><td>3</td></tr><tr><td>**Acacia pubescens / Downy Wattle (Flora)**</td><td>1</td></tr></table> **MOD-1 and MOD-2**						
D5	The requirement to retire credits in Condition D4 above may be satisfied by payment to the Biodiversity Conservation Fund of an amount equivalent to the class and number of species credits, as calculated by the Biodiversity Offsets Payment Calculator.	Not Applicable	Not Applicable	Full Compliance	Not Applicable	Full Compliance	Audit following any native vegetation clearing events until all clearing is complete and all credits retired.
D6	The Proponent must submit evidence of the retirement of credits required by Condition D4 above to the Planning Secretary for information within one (1) month of receiving evidence of the retirement of credits and / or a certificate confirming payment under Condition D5 above before any vegetation clearing or tree removal that must be offset.	Not Applicable	Not Applicable	Full Compliance	Not Applicable	Full Compliance	Audit following any native vegetation clearing events until all clearing is complete and all credits retired.
D7	**Microbat Management** Before the removal or clearing of any vegetation, or the demolition of structures identified as potential roosting sites for microbats at the Clyde Stabling and Maintenance Facility site commences, pre-clearing / demolition inspections for the threatened species must be undertaken. The inspections, and any subsequent relocation of fauna and associated management / offset measures, must be undertaken under the guidance of a suitably qualified and experienced ecologist. Survey and relocation methodologies and management / offset measures must be included in the Flora and fauna CEMP Sub-plan required under Condition C5 of this schedule or the relevant Site Establishment Management Plan required by Condition A17 of this schedule.	Not Applicable	Not Applicable	Full Compliance	Not Applicable	Full Compliance	Audit following the removal or clearing of any vegetation, or the demolition of structures identified as potential roosting sites for microbats at the Clyde Stabling and Maintenance Facility site.
D8	In the event roosting sites have been identified under Condition D7 above, bat boxes must be provided or suitable habitat built within the Clyde Stabling and Maintenance Facility site.	Not Applicable	Not Applicable	Full Compliance	Not Applicable	Full Compliance	Audit following the removal or clearing of any vegetation, or the demolition of structures identified as potential roosting

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		Phase A	Phase B	Phase C	Phase E	Phase A	
							sites for microbats at the Clyde Stabling and Maintenance Facility site.
D9	**Tree Removal** As many mature trees and as much urban canopy as practicable must be retained during construction. Canopy trimming should be considered where practicable prior to any mature tree removal.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following any tree removal events until all clearing is complete.
Flooding							
D10	**Unless otherwise agreed by the Planning Secretary,** Stage 1 of the CSSI must be designed and constructed to not worsen flooding characteristics within and in the vicinity of the CSSI. Not worsen existing flooding characteristics means the following: a) a maximum increase in inundation time of one hour in a one (1) per cent Annual Exceedance Probability (AEP) flood event; b) a maximum increase of 10 mm in inundation at properties where floor levels are currently exceeded in a one (1) per cent AEP flood event; c) a maximum increase of 50 mm in inundation of land at properties where floor levels would not be exceeded in a one (1) per cent AEP flood event; and d) no inundation of floor levels which are currently not inundated in a one (1) per cent AEP flood event. Measures identified in the documents listed in Condition A1 of this schedule to not worsen flooding characteristics or measures that achieve the same outcome must be incorporated into the detailed design of Stage 1 of the CSSI. The incorporation of these measures must be reviewed and endorsed by a suitably qualified and experienced person in consultation with directly affected landowners, **DPE** Water, DPI Fisheries, **DPE BCD**, NSW State Emergency Service (SES), SOPA (in respect of Sydney Olympic Park) and Relevant Council(s). **Where flooding characteristics exceed the levels identified in (a), (b), (c), (d) above, the Proponent must undertake the following:** **a) consult with property owners for properties adversely flood affected as a result of Stage 1 of the CSSI and mitigate where necessary; and** b) **consult with the NSW State Emergency Service (SES), SOPA (in respect of Sydney Olympic Park) and Relevant Council(s) regarding the management of any residual**	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance (In relation to Clyde)	Audit throughout construction until final design and construction of permanent built surface works.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	flood risk beyond the 1 per cent AEP flood event and up to the probable maximum flood. **MOD-3**						
D11	**Deleted** **MOD-3**	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	
D12	Flood information including flood reports, models and geographic information system outputs must be provided to the Relevant Council(s), SOPA (in respect of Sydney Olympic Park), **DPE BCD** and the SES in order to assist in preparing relevant documents and to reflect changes in flood behaviour as a result of Stage 1 of the CSSI. The Relevant Council(s), SOPA (in respect of Sydney Olympic Park), **DPE BCD** and the SES must be notified in writing that the information is available no later than one (1) month following the completion of construction. Information requested by the Relevant Council(s), SOPA (in respect of Sydney Olympic Park), **DPE BCD** or the SES must be provided no later than six (6) months following the completion of construction or within another timeframe agreed with the Relevant Council(s), SOPA (in respect of Sydney Olympic Park), **DPE BCD** and the SES. The project flood models and data must be uploaded to the NSW Flood Data Portal and access must be provided to the Relevant Council(s), **DPE BCD**, SES and SOPA (in respect of Sydney Olympic Park) no later than one (1) month following the completion of construction. **MOD-2**	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit more than 1 month and more than 6 months after construction of each applicable Phase.
Heritage							
D13	**Non-Aboriginal Heritage** The Proponent must not destroy, modify or otherwise physically affect any Heritage item not identified in documents referred to in Condition A1 of this schedule. Unexpected heritage finds identified by Stage 1 of the CSSI must be managed in accordance with the Unexpected Finds Protocol outlined in Conditions D31 to D33 of this schedule. Consideration of avoidance and redesign to protect state significant unexpected finds must be addressed where this condition applies. **Note: Affect in this condition means any impact above "little to no impact" as defined in the Material Threshold Policy (Heritage NSW, 2020)** **MOD-3**	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction until all known heritage items are cleared or following an unexpected find or following a heritage related incident.
D14	Before installing protective site boundary hoarding or equipment used for vibration and noise monitoring at any Heritage item identified in the documents listed in Condition A1 of this schedule, the advice of a suitably qualified and experienced built heritage expert must be obtained and implemented to ensure any such work does not have an adverse impact on the heritage significance	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit following site establishment and during construction at sites with known

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	of the item. The installation must also consider and avoid impacts to potential historical archaeology and seek advice from the Excavation Director approved under Condition D27 below.						heritage items proximal to the site.
D15	Before commencement of any excavation at the Parramatta metro station construction site, a detailed investigation must be undertaken to precisely locate the Parramatta Convict Drain. All options available to retain the Parramatta Convict Drain in situ must be considered. If retention of any part of the Parramatta Convict Drain located in situ is not feasible, the Proponent must satisfactorily demonstrate to the Planning Secretary why its removal is appropriate. If it is not feasible to retain the Parramatta Convict Drain in situ, archival recording must be undertaken on the affected section of the item in accordance with Heritage Council of NSW guidelines.	Not Applicable	Not Applicable	Full Compliance	Not Applicable	Full Compliance	Audit following commencement of excavation and during construction at the Parramatta metro station construction site.
D16	During construction, the Proponent must implement protective measures to prevent adverse impacts on the heritage significance of the Victorian Regency terraced shops at 41-45 George Street, Parramatta and Kia Ora Georgian House at 64 Macquarie Street, Parramatta. Before installing such measures, the advice of a suitably qualified and experienced built heritage expert must be obtained and implemented to ensure any such work does not have an adverse impact on the heritage significance of the item. Protection measures must also consider and avoid potential impacts to significant historical archaeology and seek the advice from the Excavation Director approved under Condition D27 below	Not Applicable	Not Applicable	Full Compliance	Not Applicable	Full Compliance	Audit during construction at or proximal to the Victorian Regency terraced shops at 41-45 George Street, Parramatta and Kia Ora Georgian House at 64 Macquarie Street, Parramatta.
D17	The Roxy Theatre, White Bay Power Station, the former State Abattoirs and the former RTA Depot facade fronting Unwin Street must not be destroyed, modified or otherwise adversely affected, except as identified in the documents listed in Condition A1 of this schedule.	Full Compliance with respect to the White Bay Power Station	Full Compliance with respect to the White Bay Power Station and former State Abattoirs	Full Compliance except in relation to the White Bay Power Station, and the former State Abattiors.	Not Applicable	Full Compliance except in relation to the White Bay Power Station, and the	Audit during construction at or proximal to the Roxy Theatre, White Bay Power Station, the former State Abattoirs and the former RTA Depot facade fronting Unwin Street.
D18	Where Heritage items, or items assessed to be of local heritage significance in the documents listed in Condition A1 of this schedule, are proposed to be fully or partially destroyed, heritage salvage must occur in consultation with a suitably qualified heritage specialist. The Proponent must develop a **significant fabric** and moveable heritage **salvage** register. The register must identify significant items to be salvaged. Salvage must occur **for items that are assessed as having heritage significance and** where significance is retained **or** the potential for re-use, reinstatement or re-sale has been identified. The salvage from any State listed items must be undertaken in consultation with Heritage NSW.	Not Applicable	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit during construction where known heritage items, or items assessed to be of local heritage significance, are to be potentially (partially or fully) destroyed.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	MOD-3						
D18.1	**The Proponent must investigate opportunities to relocate the Rosehill Railway Station Footbridge to an alternate location in the City of Parramatta LGA in consultation with City of Parramatta Council before the dismantled footbridge can be removed from the Clyde Stabling and Maintenance Facility Site. The Railway Footbridge Heritage Conservation Strategy 2016 (GAO Heritage Group, 2016) and any other relevant guideline or plan must be considered when assessing alternate locations. The Rosehill Railway Station Footbridge must be stored in accordance with relevant Heritage NSW guidelines and, where a suitable location is found, must be reinstated no later than 12 months following the completion of construction, unless otherwise agreed with the Planning Secretary.** **If an alternate location cannot be agreed to between the Proponent and Relevant Council, evidence of consultation, including consideration of alternative sites, must be submitted to the Planning Secretary for information before the dismantled Rosehill Railway Station Footbridge is removed from the Clyde Stabling and Maintenance Facility Site.** **MOD-2**	Not captured in Staging Report.	Not captured in Staging Report.	Not captured in Staging Report.	Not captured in Staging Report.	Not captured in Staging Report.	Audit during construction, following the dismantling of the Rosehill Railway Station Footbridge. Audit again more than 12 months following completion of construction.
D18.2	**Where an alternative location for the Rosehill Railway Station Footbridge is agreed to, a Heritage Asset Action Plan, including an updated statement of significance, in accordance with Statement of Best Practice for Heritage Asset Action Plans (Heritage Council of NSW 2021), must be prepared to reflect its new setting within 12 months of relocation and at no cost to council. The Proponent is responsible for maintenance of the Rosehill Railway Station Footbridge until ownership is transferred to Council.** **Note: This condition does not prevent the Proponent from providing funding or similar to Council for the preparation of the required documents and does not prevent Council from preparing them.** **MOD-2**	Not captured in Staging Report.	Not captured in Staging Report.	Not captured in Staging Report.	Not captured in Staging Report.	Not captured in Staging Report.	Audit >12 months following relocation of the Rosehill Railway Station Footbridge and following transfer of ownership to Council.
D19	**Aboriginal Heritage** All reasonable steps must be taken not to harm, modify or otherwise impact Aboriginal objects except as authorised by this approval.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction until all known Aboriginal heritage objects are cleared or following an unexpected find or following a heritage related incident.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
D20	The Registered Aboriginal Parties (RAPs) must be kept informed about Stage 1 of the CSSI. The RAPs must continue to be provided with the opportunity to be consulted about the Aboriginal cultural heritage management requirements of Stage 1 of the CSSI.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction.
D21	Aboriginal archaeological test excavation must be undertaken at those areas identified in Table 25 of the revised Aboriginal Cultural Heritage Assessment Report (ACHAR) prepared by Artefact Heritage and dated November 2020.	Not Applicable	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit during construction until all Aboriginal archaeological test excavations in areas identified in Table 25 of the revised ACHAR are complete and cleared by suitably qualified expert.
D22	An Aboriginal Archaeological Test Excavation Methodology(s) must be prepared and appropriately integrated with the revised Archaeological Research Design and Excavation Methodology. The Aboriginal Archaeological Salvage Excavation Methodology(s) must be prepared after analysis of the test excavation results.	Not Applicable	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit after analysis of the test excavation results until the Methodology(s) are incorporated into the ARDEM.
D23	At the completion of Aboriginal cultural heritage test and salvage excavations, an Aboriginal Cultural Heritage Excavation Report(s), prepared by a suitably qualified expert, must be prepared in accordance with the Guide to Investigation, assessing and reporting on Aboriginal cultural heritage in NSW, OEH 2011 and the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, DECCW 2010. The Aboriginal Cultural Heritage Excavation Report(s) must document the results of the archaeological test excavations and any subsequent salvage excavations. The RAPs must be given a minimum of 28 days to consider the report and provide comments before the report is finalised. The final report must be provided to Heritage NSW within 24 months of the completion of the Aboriginal archaeological excavations (both test and salvage).	Not Applicable	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit following completion of Aboriginal cultural heritage test and salvage excavations. Audit >24 months from completion of Aboriginal archaeological excavations (both test and salvage), or following submission of final report to heritage NSW (whichever is sooner).
D24	Where previously unidentified Aboriginal objects are discovered, all work must immediately stop in the vicinity of the affected area and a suitably qualified and experienced Aboriginal heritage expert must be contacted to provide specialist heritage advice, before construction recommences. The	Full Compliance, except measures to consider and manage	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following an unexpected find or

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	measures to consider and manage this process must be specified in the Heritage CEMP Sub-plan required by Condition C5 of this schedule and, where relevant, include registration in the Aboriginal Heritage Information Management System (AHIMS).	the process will be specified in the CEMP					following a heritage related incident.
D25	**Excavation and Archeology** Before the commencement of any **excavation** at Parramatta and The Bays metro station construction sites, a revised Archaeological Research Design and Excavation Methodology(s) must be prepared in accordance with Heritage Council of NSW guidelines and with reference to the detailed design of Stage 1 construction of the CSSI to guide archaeological excavation. The revised Archaeological Research Design and Excavation Methodology(s) must be prepared by the Excavation Director (approved under Condition D27 below) and must include: a) site specific research for the Parramatta and The Bays metro station construction sites which is conducted by a professional historian to clearly articulate the historical development of the allotments to assist with the reassessment of potential and significance; b) comparative analysis from archaeological investigations in Parramatta (including theses, publications and grey literature reports); c) preparation of research questions based on the additional site-specific research required by this condition, and relevant research agendas from previously excavated early historical occupation in Parramatta including recovered artefact assemblages; and d) a reconsideration of archaeological methods to manage the sites based on this additional assessment. The revised Archaeological Research Design and Excavation Methodology(s) must apply to both Parramatta and The Bays metro station construction sites and be prepared in consultation with Heritage NSW and Place Management NSW (in respect of The Bays) and submitted to the Planning Secretary for approval. The revised Archaeological Research Design and Excavation Methodology(s) must be implemented throughout the archaeological excavation programs. *Note: Nothing in these conditions prevents the Archaeological Research Design and Excavation Methodology to be separate procedures.* **MOD-1**	Full Compliance, only in relation to the Bays Metro Station Construction Site and the White Bay Power Station (inlet) Canal and Beattie Street Stormwater Channel.	Full Compliance except in relation to Parramatta	Full Compliance	Not Applicable	Not Applicable	Audit following commencement of excavation at Parramatta and The Bays metro station construction sites. Audit during construction until archaeological excavation programs are complete.
D26	**The revised Archaeological Research Design and Excavation Methodology(s) must include provision for early physical investigation of areas of impact identified as likely to contain State significant archaeology or subterranean Heritage items in the research design to inform excavation in these areas. This must include the Parramatta and The Bays metro station sites,**	Full Compliance, only in relation to the Bays Metro Station Construction Site and	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit following commencement of excavation at Parramatta and The

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	including Parramatta Convict Drain, Parramatta Sand Body, White Bay Power Station (inlet) Canal and Beattie Street Stormwater Channel. **MOD-4**	the White Bay Power Station (inlet) Canal and Beattie Street Stormwater Channel.					Bays metro station construction sites. Audit during construction until archaeological excavation programs are complete.
D27	Before commencement of archaeological excavation, the Proponent must nominate a suitably qualified Excavation Director, who complies with Heritage Council of NSW's Criteria for Assessment of Excavation Director (September 2019), to oversee and advise on matters associated with historical archaeology for the approval of the Planning Secretary, in consultation with Heritage NSW. The Excavation Director must be present to oversee excavation, advise on archaeological issues, advise on the duration and extent of oversight required during archaeological excavations consistent with the approved Archaeological Research Design and Excavation Methodology(s) required under Condition D25 of this schedule. Aboriginal archaeological excavations must be conducted by a suitably qualified person in accordance with the requirements of the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW 2010). More than one Excavation Director may be engaged for Stage 1 of the CSSI to exercise the functions required under the conditions of this approval.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit during construction until archaeological excavation programs are complete.
D28	Following completion of archaeological excavation programs, a Final Excavation Report and an Aboriginal Cultural Heritage Excavation Report must be prepared that includes further detailed and site-specific historical research undertaken to enhance the final reporting, and results of archaeological excavations. The report must include details of any significant artefacts recovered (salvaged), where they are located and details of their ongoing conservation. The Final Excavation Report must document significant results and artefacts which may be re-used in future stages of the CSSI. The Final Excavation Report must be prepared in accordance with guidelines and standards required by Heritage Council of NSW.	Not Applicable	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit >24 months after completion of construction or following submission of the Final Excavation Report and Aboriginal Cultural Heritage Excavation Report to the Planning Secretary, Heritage NSW and the Relevant Council (whichever is sooner).
D29	The Final Excavation Report and Aboriginal Cultural Heritage Excavation Report must be submitted to the Planning Secretary, Heritage NSW and the Relevant Council for information no later than 24 months after the completion of the archaeological excavation.	Not Applicable	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit >24 months after completion of construction or following submission of the Final

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		Phase A	Phase B	Phase C	Phase E	Phase A	
							Excavation Report and Aboriginal Cultural Heritage Excavation Report to the Planning Secretary, Heritage NSW and the Relevant Council (whichever is sooner).
D30	In the event the CSSI salvages state significant historical archaeology associated with early convict occupation at the Parramatta metro station construction site for which retention and future conservation is not possible: (a) the key findings of the archaeological investigations must be documented which explain their significance within the context of Parramatta and NSW no later than two (2) years after the completion of the archaeological excavations; and (b) provide for the curation, display and public access of artefacts, site records and final reports. *Note: In reference to (b) above, this may involve partnerships with museums, local heritage centres and/or universities*	Not Applicable	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit following completion or termination of salvages state significant historical archaeology associated with early convict occupation at the Parramatta metro station construction site.
D31	**Unexpected Finds** An Unexpected Heritage Finds and Human Remains Procedure must be prepared to manage unexpected heritage finds (heritage items and values) in accordance with any guidelines and standards prepared by the Heritage Council of NSW or Heritage NSW.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following commencement of construction of each Phase.
D32	The Unexpected Heritage Finds and Human Remains Procedure must be prepared by a suitably qualified and experienced heritage specialist in consultation with the Heritage Council of NSW (with respect to non-Aboriginal cultural heritage) and in relation to Aboriginal cultural heritage, in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW 2010) and submitted to the Planning Secretary for information no later than one (1) month before the commencement of construction.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following commencement of construction of each Phase.
D33	The Unexpected Heritage Finds and Human Remains Procedure, as submitted to the Planning Secretary, must be implemented for the duration of construction. *Note: Human remains that are found unexpectedly during the carrying out of work may be under the jurisdiction of the NSW State Coroner and must be reported to the NSW Police immediately. Management of human remains in NSW is subject to requirements set out in the Public Health Act*	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following any unexpected finds or following any heritage related incidents.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	2010 (NSW) and Public Health Regulation 2012 (NSW). Nothing in these conditions prevents separate procedures for the Unexpected Heritage Finds and Human Remains Procedure.						
Noise and Vibration							
D34	**Land Use Survey** A detailed land use survey must be undertaken to confirm sensitive receivers (including critical working areas such as operating theatres and precision laboratories) potentially exposed to construction noise and vibration and construction ground-borne noise. The survey may be undertaken on a progressive basis but must be undertaken in any one area before the commencement of work which generates construction noise, vibration or ground-borne noise in that area. The results of the survey must be included in the Noise and Vibration CEMP Subplan required under Condition C5 of this schedule.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following commencement of work at each site that generates construction noise, vibration or ground-borne noise in that area.
D35	**Construction Hours** Work must only be undertaken during the following hours: a) 7:00am to 6:00pm Mondays to Fridays, inclusive; b) 8:00am to 6:00pm Saturdays; and c) at no time on Sundays or public holidays.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction focusing on sites / works where work hours impact on nearby receivers (as informed by Land Use Surveys, DNVIS, complaints register).
D36	**Highly Noise Intensive Work** Except as permitted by an EPL, highly noise intensive work that results in an exceedance of the applicable NML at the same receiver must only be undertaken: a) between the hours of 8:00 am to 6:00 pm Monday to Friday; b) between the hours of 8:00 am to 1:00 pm Saturday; and c) if continuously, then not exceeding three (3) hours, with a minimum cessation of work of not less than one (1) hour. For the purposes of this condition, 'continuously' includes any period during which there is less than one (1) hour between ceasing and recommencing any of the work.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction focusing on sites / works involving highly noise intensive work that results in an exceedance of the applicable NML (as informed by Land Use Surveys, DNVIS, complaints register).
D37	**Variation to Work Hours**	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction focusing

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	Notwithstanding Conditions D35 and D36 of this schedule work may be undertaken outside the hours specified in the following circumstances: a) Safety and Emergencies, including: I. for the delivery of materials required by the NSW Police Force or other authority for safety reasons; or II. where it is required in an emergency to avoid injury or the loss of life, to avoid damage or loss of property or to prevent environmental harm. On becoming aware of the need for emergency work in accordance with (a)(ii) above, the AA, the ER, the Planning Secretary and the EPA must be notified of the reasons for such work. The Proponent must use best endeavours to notify as soon as practicable all noise and/or vibration affected sensitive land user(s) of the likely impact and duration of those work. b) **Low noise impact work**, including: I. construction that causes LAeq(15 minute) noise levels: • no more than 5 dB(A) above the rating background level at any residence in accordance with the ICNG, and • no more than the 'Noise affected' NMLs specified in Table 3 of the ICNG at other sensitive land user(s); and II. construction that causes LAFmax(15 minute) noise levels no more than 15 dB(A) above the rating background level at any residence; or III. construction that causes: • continuous or impulsive vibration values, measured at the most affected residence are no more than the preferred values for human exposure to vibration, specified in Table 2.2 of Assessing Vibration: a technical guideline (DEC, 2006), or • intermittent vibration values measured at the most affected residence are no more than the preferred values for human exposure to vibration, specified in Table 2.4 of Assessing Vibration: a technical guideline (DEC, 2006). c) By Approval, including: I. where different construction hours are permitted or required under an EPL in force in respect of the CSSI; or						on sites / works involving OOHW.

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	II. works which are not subject to an EPL that are approved under an Out-of-Hours Work Protocol as required by Condition D38 of this schedule; or III. negotiated agreements with directly affected residents and sensitive land user(s). d) By Prescribed Activity, including: I. tunnelling (excluding cut and cover tunnelling and surface works) are permitted 24 hours a day, seven days a week; or II. concrete batching at the Clyde construction site is permitted 24 hours a day, seven days a week; or III. delivery of material that is required to be delivered outside of standard construction hours in Condition D35 of this schedule to directly support tunnelling activities, except between the hours 10:00 pm and 7:00 am to / from the Five Dock and Westmead construction sites and to / from Burwood North construction site using any roads / streets other than directly from Parramatta Road; or IV. haulage of spoil except between the hours of 10:00 pm and 7:00 am to / from the Five Dock and Westmead construction sites and to / from Burwood North construction site using any roads / streets other than directly from Parramatta Road; or V. work within an acoustic shed where there is no exceedance of noise levels under **low noise impact work** circumstances identified in (b) above, unless otherwise agreed by the Planning Secretary. *Note: Tunnelling does not include station box excavation* **MOD-3**						
D38	**Out-of-hours Work Protocol – Work Not Subject to an EPL** An Out-of-Hours Work Protocol must be prepared to identify a process for the consideration, management and approval of work which are outside the hours defined in Conditions D35 and D36 of this schedule. The Protocol must be approved by the Planning Secretary before commencement of the out-of-hours work. The Protocol must be prepared in consultation with the ER, AA and EPA. The Protocol must provide: a) identification of low and high-risk activities and an approval process that considers the risk of activities, proposed mitigation, management, and coordination, including where: I. the ER and AA review all proposed out-of-hours activities and confirm their risk levels;	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction focusing on sites / works involving OOHW that are not regulated by an EPL.

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	II. low risk activities can be approved by the ER in consultation with the AA; and III. high risk activities that are approved by the Planning Secretary; b) a process for the consideration of out-of-hours work against the relevant NML and vibration criteria; c) a process for selecting and implementing mitigation measures for residual impacts in consultation with the community at each affected location, including respite periods consistent with the requirements of Condition D50 of this schedule. The measures must take into account the predicted noise levels and the likely frequency and duration of the out-of-hours works that sensitive land user(s) would be exposed to, including the number of noise awakening events; d) procedures to facilitate the coordination of out-of-hours work including those approved by an EPL or undertaken by a third party, to ensure appropriate respite is provided; and e) notification arrangements for affected receivers for all approved out-of-hours works and notification to the Planning Secretary of approved low risk out-of-hours works. This condition does not apply if the requirements of Condition D37(b) of this schedule are met. *Note: Out-of-hours work is any work that occurs outside the construction hours identified in Condition D35 and D36 of this schedule.*						
D39	**Construction Noise Management Levels and Vibration Criteria** All reasonable and feasible mitigation measures must be implemented with the aim of achieving the following construction noise management levels and vibration criteria: a) construction 'Noise affected' noise management levels established using the Interim Construction Noise Guideline (DECC, 2009); b) vibration criteria established using the Assessing vibration: a technical guideline (DEC, 2006) (for human exposure); c) Australian Standard AS 2187.2 - 2006 "Explosives - Storage and Use - Use of Explosives" (for human exposure); d) BS 7385 Part 2-1993 "Evaluation and measurement for vibration in buildings Part 2" as they are "applicable to Australian conditions"; and (e) the vibration limits set out in the German Standard DIN 4150-3: Structural Vibration- effects of vibration on structures (for structural damage for structurally unsound heritage items).	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction focusing on sites / works potentially impacting on nearby receivers (as informed by Land Use Surveys, DNVIS, complaints register).

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	Any work identified as exceeding the noise management levels and / or vibration criteria must be managed in accordance with the Noise and Vibration CEMP Sub-plan. *Note: The ICNG identifies 'particularly annoying' activities that require the addition of 5 dB(A) to the predicted level before comparing to the construction Noise Management Level.*						
D40	All reasonable and feasible mitigation measures must be applied when the following residential ground-borne noise levels are exceeded: a) evening (6:00 pm to 10:00 pm) — internal LAeq(15 minute): 40 dB(A); and b) night (10:00 pm to 7:00 am) — internal LAeq(15 minute): 35 dB(A). The mitigation measures must be outlined in the Noise and Vibration CEMP Sub-plan, including in any Out-of-Hours Work Protocol, required by Condition D38 of this schedule.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction focusing on tunnelling sites / works where ground borne noise is potentially impacting on nearby receivers (as informed by DNVIS, complaints register).
D41	Noise generating work in the vicinity of potentially-affected community, religious, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories and operating theatres) resulting in noise levels above the NMLs must not be timetabled within sensitive periods, unless other reasonable arrangements with the affected institutions are made at no cost to the affected institution.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction focusing on sites / works potentially impacting on nearby sensitive receivers (as informed by Land Use Surveys, DNVIS, complaints register).
D42	**Construction Noise and Vibration Mitigation and Management** Industry best practice construction methods must be implemented where reasonably practicable to ensure that noise levels are minimised around sensitive land user(s). Practices must include, but are not limited to: a) use of regularly serviced low sound power equipment; b) temporary noise barriers (including the arrangement of plant and equipment) around noisy equipment and activities such as rock hammering and concrete cutting; and c) use of alternative construction and demolition techniques.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction focusing on sites / works potentially impacting on nearby sensitive receivers (as informed by Land Use Surveys, DNVIS, complaints register).
D43	Detailed Noise and Vibration Impact Statements (DNVIS) must be prepared for any work that may exceed the NMLs, vibration criteria and / or ground-borne noise levels specified in Conditions D39 and D40 of this schedule at any residence outside construction hours identified in Condition D35 of	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during throughout construction focusing

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	this schedule, or where receivers will be highly noise affected. The DNVIS must include specific mitigation measures identified through consultation with affected sensitive land user(s) and the mitigation measures must be implemented for the duration of the works. A copy of the DNVIS must be provided to the AA and ER before the commencement of the associated works. The Planning Secretary and the EPA may request a copy(ies) of the DNVIS.						on sites / works potentially impacting on nearby sensitive receivers (as informed by DNVIS, complaints register).
D44	DNVIS must be prepared for each construction site before construction noise and vibration impacts commence and include specific mitigation measures identified through consultation with affected sensitive land users.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following commencement of construction at each construction site.
D45	Owners and occupiers of properties at risk of exceeding the screening criteria for cosmetic damage must be notified before works that generate vibration commences in the vicinity of those properties. If the potential exceedance is to occur more than once or extend over a period of 24 hours, owners and occupiers are to be provided a schedule of potential exceedances on a monthly basis for the duration of the potential exceedances, unless otherwise agreed by the owner and occupier. These properties must be identified and considered in the Noise and Vibration CEMP Sub-plan.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction involving vibration intensive works or construction within safe working distances (as informed by Noise and Vibration CEMP Sub-plan, DNVIS, complaints register).
D46	**Construction Vibration Mitigation – Heritage** Vibration testing must be conducted during vibration generating activities that have the potential to impact on Heritage items to identify minimum working distances to prevent cosmetic damage. In the event that the vibration testing and attended monitoring shows that the preferred values for vibration are likely to be exceeded, the Proponent must review the construction methodology and, if necessary, implement additional mitigation measures. Such measures must include, but not be limited to, review or modification of excavation techniques.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during vibration generating activities that have the potential to impact on Heritage items.
D47	The Proponent must seek the advice of a heritage specialist on methods and locations for installing equipment used for vibration, movement and noise monitoring at Heritage items.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during vibration generating activities that have the potential to impact on Heritage items.
D48	Before conducting at-property treatment at any Heritage item identified in the documents listed in Condition A1 of this schedule, the advice of a suitably qualified and experienced built heritage expert	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following commencement of at-

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	must be obtained and implemented to ensure any such work does not have an adverse impact on the heritage significance of the item.						property treatment at any Heritage item.
D49	If a Heritage item is found to be structurally unsound (following inspection) a more conservative cosmetic damage criterion of 2.5 mm/s peak component particle velocity (from DIN 4150) must be applied.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during vibration generating activities that have the potential to impact on Heritage items.
D50	**Utility Coordination and Respite** All work undertaken for the delivery of Stage 1 of the CSSI, including those undertaken by third parties (such as utility relocations), must be coordinated to ensure respite periods are provided. The Proponent must: a) reschedule any work to provide respite to impacted noise sensitive receivers so that the respite is achieved in accordance with Condition D51 of this schedule; or b) consider the provision of alternative respite or mitigation to impacted noise sensitive receivers; and c) provide documentary evidence to the AA in support of any decision made by the Proponent in relation to respite or mitigation. The consideration of respite must also include all other approved Critical SSI, SSI and SSD projects which may cause cumulative and / or consecutive impacts at receivers affected by the delivery of Stage 1 of the CSSI.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction.
D51	**Out-of-Hours Works – Community Consultation and Respite** In order to undertake out-of-hours work outside the work hours specified under Condition D35 of this schedule, appropriate respite periods for the out-of-hours work must be identified in consultation with the community at each affected location on a regular basis. This consultation must include (but not be limited to) providing the community with: a) a progressive schedule for periods no less than three (3) months, of likely out-of-hours work; b) a description of the potential work, location and duration of the out-of-hours work; c) the noise characteristics and likely noise levels of the work; and	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit throughout construction.

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	d) likely mitigation and management measures which aim to achieve the relevant NMLs under Condition D39 (including the circumstances of when respite or relocation offers will be available and details about how the affected community can access these offers). The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour work must be provided to the AA, EPA and the Planning Secretary. *Note: Respite periods can be any combination of days or hours where out-of-hours work would not be more than 5 dB(A) above the RBL at any residence.*						
D52	**Traffic Noise Mitigation at Westmead** Sensitive land uses located along local roads used to divert traffic from the closure of Alexandra Avenue in Westmead that will be affected by additional road traffic noise from the diverted traffic in excess of the criteria identified in the NSW Road Noise Policy (the RNP criteria) during construction of Stage 1 of the CSSI (the Affected Properties) are eligible to receive at-property noise mitigation treatments. Owners of Affected Properties must be advised of the range of noise mitigation options that can be installed at or in their property and given a choice as to which of these they agree to have installed. A copy of all noise mitigation guidelines and procedures that will be used to determine at-property treatment at each Affected Property must be provided to the property owner. At property mitigation measures and packages must be determined based on the measured exceedance levels above the RNP criteria. Road traffic noise levels must be measured before and after the altered traffic flow detour.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Full Compliance	Audit during construction following the closure of Alexandra Avenue in Westmead.
D53	**Blasting** Blasting associated with Stage 1 of the CSSI must only be undertaken during the following hours: a) 9:00am to 5:00pm, Monday to Friday, inclusive; b) 9:00am to 1:00pm on Saturday; and c) at no time on Sunday or public holidays; or d) as authorised through an EPL. This condition does not apply in the event of a direction from the NSW Police Force or other relevant authority for safety or emergency reasons to avoid loss of life, property loss and / or to prevent environmental harm.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Full Compliance	Audit during construction at sites / work areas that involve blasting.
D54	**Blasting Management Strategy**	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Full Compliance	Audit following commencement of

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	A Blast Management Strategy must be prepared and must include: a) sequencing and review of trial blasting to inform blasting; b) regularity of blasting; c) intensity of blasting; d) periods of relief; and e) blasting program.						construction on Phase F, where blasting is proposed.
D55	The Blast Management Strategy must be endorsed by a suitably qualified and experienced person.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Full Compliance	Audit following commencement of construction on Phase F, where blasting is proposed.
D56	The Blast Management Strategy must be prepared in accordance with relevant guidelines in order to ensure that all blasting and associated activities are carried out so as not to generate unacceptable noise and vibration impacts or pose a significant risk to sensitive land user(s).	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Full Compliance	Audit following commencement of construction on Phase F, where blasting is proposed.
D57	The Blast Management Strategy must be submitted to the Planning Secretary for information no later than one (1) month before the commencement of blasting. The Blast Management Strategy as submitted to the Planning Secretary, must be implemented for all blasting activities.	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Full Compliance	Audit following commencement of construction on Phase F, where blasting is proposed.
Socio-Economic, Land Use and Property							
D58	Stage 1 of the CSSI must be designed and constructed with the objective of minimising impacts to, and interference with, third party property and infrastructure, and that such infrastructure and property is protected during construction.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction focusing on sites and works with potential to affect third party property and infrastructure.
D59	The utilities and services (hereafter "services") potentially affected by construction must be identified to determine requirements for diversion, protection and / or support. Alterations to services must be determined by negotiation between the Proponent and the service providers. Disruption to services	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction focusing on sites and works

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	resulting from construction must be avoided, wherever possible, and advised to customers where it is not possible.						with potential to affect services.
D60	**Condition Survey** A suitably qualified and experienced person must undertake condition surveys of all buildings, structures, utilities and the like identified in the documents listed in Condition A1 of this schedule as being at risk of damage before commencement of any work that could impact on the subject surface / subsurface structure. The results of the surveys must be documented in a Preconstruction Condition Survey Report for each item surveyed. Copies of Pre-construction Condition Survey Reports must be provided to the relevant owners of the items surveyed in the vicinity of the proposed work, and no later than one (1) month before the commencement of the work that could impact on the subject surface / subsurface structure.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction that could impact on buildings, structures, utilities and the like which are identified in the EIS and RtS as being at risk of damage.
D61	Condition surveys of all items for which condition surveys were undertaken in accordance with Condition D60 of this schedule must be undertaken by a suitably qualified and experienced person after completion of the work identified in Condition D60 of this schedule. The results of the surveys must be documented in a Post-construction Condition Survey Report for each item surveyed. Copies of Post-construction Condition Survey Reports must be provided to the landowners of the items surveyed, and no later than three (3) months following the completion of the work that could impact on the subject surface / subsurface structure unless otherwise agreed by the Planning Secretary.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following completion of construction at sites where precondition surveys were completed under D60.
D62	The Proponent, where liable, must rectify any property damage caused directly or indirectly (for example from vibration or from groundwater change) by the work at no cost to the owner. Alternatively, the Proponent may pay compensation for the property damage as agreed with the property owner. Rectification or compensation must be undertaken within 12 months of completion of the work identified in Condition D60 of this schedule unless another timeframe is agreed with the owner of the affected surface or sub-surface structure or recommended by the IPIAP.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction and following construction.
D63	Appropriate equipment to monitor areas in proximity of construction sites and the tunnel route during construction must be installed with particular reference to at risk buildings, structures and utilities identified in the condition surveys required by Condition D60 of this schedule and / or geotechnical analysis as required. If monitoring during construction indicates **exceedance of predicted impacts identified in the documents in Condition A1 or determined through geotechnical analysis**, then all construction affecting settlement must cease immediately **if it is safe to do so** and must not resume until fully rectified or a revised method of construction is established that will ensure protection of affected buildings. **MOD-3**	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during tunnelling and bulk excavation with the potential to affect settlement.
D64	An Independent Property Impact Assessment Panel (IPIAP) must be established. The Planning Secretary must be informed of the members of the IPIAP and the IPIAP must comprise geotechnical	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction and

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	and engineering experts independent of the design and construction team. The IPIAP will be responsible for independently verifying condition surveys undertaken under Conditions D60 and D61 of this schedule, the resolution of property damage disputes and the establishment of ongoing settlement monitoring requirements.						following construction.
D65	Either the affected property owner or the Proponent may refer unresolved disputes arising from potential and/or actual property impacts to the IPIAP for resolution. All costs incurred in the establishing and implementing of the panel must be borne by the Proponent regardless of which party makes a referral to the IPIAP. The findings and recommendations of the IPIAP are final and binding on the Proponent.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction and following construction.
D66	Settlement **monitoring** must be **extended** if directed so by the IPIAP following its review of the monitoring data from the period not less than six (6) months after settlement has stabilised, consistent with Condition D63 of this schedule. The results of the monitoring must be made available to the Planning Secretary upon request. **MOD-3**	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit during tunnelling and bulk excavation with the potential to affect settlement.
D67	**Community Benefit Plan(s)** A Community Benefit Plan(s) must be prepared, by a suitably qualified and experienced person, to guide the delivery of measures identified in the documents listed in Condition A1 of this schedule relating to social impacts and the development of community benefit initiatives. The Community Benefit Plan(s) must aim to: a) make a positive contribution to the potentially affected community; b) respond to community priorities and needs; c) create positive community or environmental outcomes; and d) prioritise consideration of achieving outcomes for enhancing community character, community culture and the local surroundings. Nothing in this condition prevents the preparation of individual Community Benefit Plans for each station precinct.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit during construction.
D68	The Community Benefit Plan(s) must be submitted to the Planning Secretary for information before construction. The Community Benefit Plan(s) must be implemented for the duration of construction.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit as requested by the Department or other stakeholder, or in the event of recurring complaints regarding local community needs,

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		Phase A	Phase B	Phase C	Phase E	Phase A	
							absence of initiatives for community benefit.
D69	Potential impacts on the operation of festivals or events at Parramatta, Sydney Olympic Park or Five Dock must be limited as reasonably practicable.	Not Applicable	Full Compliance, except in relation to Parramatta	Full Compliance	Not Applicable	Full Compliance, except in relation to Five Dock	Audit as requested by the Department or other stakeholder, or in the event of complaints regarding impacts on festivals or events.
D70	**Small Business Owners Engagement Plans** Small Business Owners Engagement Plan(s) must be implemented in accordance with the Overarching Community Communication Strategy to minimise impact on small businesses adjacent to major construction sites during construction of Stage 1 of the CSSI. These plans must be prepared and submitted to the Planning Secretary for information before construction at the relevant construction site.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction for contractors and sites identified as subject to audit in the Scoping Statement.
Soils and Contamination							
D71	**Contaminated Sites** Before commencement of any construction that would result in the disturbance of moderate to high risk contaminated sites as identified in the documents identified in Condition A1 of this schedule, Detailed Site Investigations (for contamination) must be conducted to determine the full nature and extent of the contamination. The Detailed Site Investigation Report(s) and the subsequent report(s), must be prepared, or reviewed and approved, by consultants certified under either the Environment Institute of Australia and New Zealand's Certified Environmental Practitioner (Site Contamination) scheme (CEnvP(SC)) or the Soil Science Australia Certified Professional Soil Scientist Contaminated Site Assessment and Management (CPSS CSAM) scheme. The Detailed Site Investigations must be undertaken in accordance with guidelines made or approved under section 105 of Contaminated Land Management Act 1997 (NSW). The Detailed Site Investigation for Sydney Olympic Park metro construction site must be prepared in consultation with SOPA. *Note: Nothing in this condition prevents the Proponent from preparing individual Detailed Site Investigation Reports (for contamination) for separate sites.*	Not Applicable	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, focusing on moderate to high risk contaminated sites as defined in the EIS and RtS, until completion of all required DSIs.
D72	Should remediation be required to make land suitable for the final intended land use, a Remedial Action Plan must be prepared, or reviewed and approved, by consultants certified under either the Environment Institute of Australia and New Zealand's Certified Environmental Practitioner (Site	Not Applicable	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, on sites of which the DSIs

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	Contamination) scheme (CEnvP(SC)) or the Soil Science Australia Certified Professional Soil Scientist Contaminated Site Assessment and Management (CPSS CSAM) scheme. The Remedial Action Plan must be prepared in accordance with relevant guidelines made or approved by the EPA under section 105 of the Contaminated Land Management Act 1997 (NSW) and must include measures to remediate the contamination at the site to ensure the site will be suitable for the proposed use when the Remedial Action Plan is implemented. The Remedial Action Plan for Sydney Olympic Park metro construction site must be prepared in consultation with SOPA. *Note: Nothing in this condition prevents the Proponent from preparing individual Remedial Action Plans for separate sites.*						have determined a RAP to be required, until remediation works are completed.
D73	Before commencing remediation, a Section B Site Audit Statement(s) must be prepared by an NSW EPA-accredited Site Auditor that certifies that the Remedial Action Plan(s) is/are appropriate and that the site can be made suitable for the proposed use. The Remedial Action Plan(s) must be implemented and any changes to the Remedial Action Plan(s) must be approved in writing by the NSW EPA-accredited Site Auditor. *Note: Nothing in this condition prevents the Proponent from engaging an NSW EPA-accredited Site Auditor to prepare individual Site Audit Statements for Remedial Action Plans for separate sites.*	Not Applicable	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, on sites of which the DSIs have determined a RAP to be required, until remediation works are completed.
D74	Validation Report(s) must be prepared in accordance with Consultants Reporting on Contaminated Land: Contaminated Land Guidelines (EPA, 2020) and relevant guidelines made or approved under section 105 of the Contaminated Land Management Act 1997 (NSW). *Note: Nothing in this condition prevents the Proponent from preparing individual Validation Reports for separate sites.*	Not Applicable	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, on sites of which the DSIs have determined a RAP to be required, until remediation works are completed.
D75	A Section A1 or Section A2 Site Audit Statement (accompanied by an Environmental Management Plan) and its accompanying Site Audit Report, which state that the contaminated land disturbed by the work has been made suitable for the intended land use, must be submitted to the Planning Secretary, SOPA (in respect of Sydney Olympic Park) and the Relevant Council(s) after remediation and before the commencement of operation of the CSSI. *Note: Nothing in this condition prevents the Proponent from obtaining Section A Site Audit Statements for individual parcels of remediated land.*	Not Applicable	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, on sites of which the DSIs have determined a RAP to be required, until remediation works are completed.
D76	A copy of Detailed Site Investigation Report(s), Remedial Action Plan(s), Validation Report(s), Site Audit Report(s) and Site Audit Statement(s) must be submitted to the Planning Secretary, SOPA (in respect of Sydney Olympic Park) and the Relevant Council(s) for information.	Not Applicable	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, on sites of which the DSIs have determined a RAP to be required,

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		Phase A	Phase B	Phase C	Phase E	Phase A	
							until remediation works are completed.
D77	An Unexpected Contaminated Land and Asbestos Finds Procedure must be prepared before the commencement of construction and must be followed should unexpected contaminated land or asbestos (or suspected contaminated land or asbestos) be excavated or otherwise discovered during construction.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction and following any unexpected finds or contamination related incidents.
D78	The Unexpected Contaminated Land and Asbestos Finds Procedure must be implemented throughout construction.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction and following any unexpected finds or contamination related incidents.
Sustainability							
D79	A Water Reuse Strategy must be prepared, which sets out options for the reuse of collected stormwater and groundwater during Stage 1 of the CSSI. The Water Reuse Strategy must include, but not be limited to: a) evaluation of reuse options; b) details of the preferred reuse option(s), including volumes of water to be reused, proposed reuse locations and/or activities, proposed treatment (if required), and any additional licences or approvals that may be required; c) measures to avoid misuse of recycled water as potable water; d) consideration of the public health risks from water recycling; and e) time frame for the implementation of the preferred reuse option(s). The Water Reuse Strategy must be prepared based on best practice and advice sought from relevant agencies, as required. The Strategy must be applied during construction. Justification must be provided to the Planning Secretary if it is concluded that no reuse options prevail. A copy of the Water Reuse Strategy must be made publicly available.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit as requested by the Department or other stakeholder.

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	Nothing in this condition prevents the Proponent from preparing separate Water Reuse Strategies for the construction phases of Stage 1 of the CSSI.						
Traffic and Transport							
D80	Access to all utilities and properties must be maintained during works, unless otherwise agreed with the relevant utility owner, landowner or occupier.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction for contractors and sites identified as subject to audit in the Scoping Statement.
D81	Any property access physically affected by the CSSI must be reinstated to at least an equivalent standard, unless otherwise agreed by the landowner or occupier. Property access must be reinstated within one (1) month of the work that physically affected the access is completed or in any other timeframe agreed with the landowner or occupier.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit following completion of construction at each site / work location.
D82	Construction vehicles (including light vehicles) must not use Robert Street, Rozelle to access The Bays metro station construction site, unless required in the event of an emergency or in association with the delivery of the Rozelle power supply from the Rozelle sub-transmission substation to The Bays metro station construction site.	Full Compliance	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit during construction on The Bays metro station construction site.
D83	The locations of all Heavy Vehicles used for spoil haulage must be monitored in real time and the records of monitoring be made available electronically to the Planning Secretary and the EPA upon request for a period of no less than one (1) year following the completion of construction.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit during construction for contractors and sites identified as subject to audit in the Scoping Statement (until completion of spoil haulage, and once at least one year following construction).
D84	The primary egress routes for spoil haulage trucks at Sydney Olympic Park metro station construction site must be determined in consultation with SOPA.	Full Compliance	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit during construction at Sydney Olympic Park metro station construction site

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D85	Construction Traffic Management Plans (CTMPs) must be prepared in accordance with the Construction Traffic Management Framework. A copy of the CTMPs must be submitted to the Planning Secretary for information before the commencement of any construction in the area identified and managed within the relevant CTMP.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, for contractors and sites identified as subject to audit in the Scoping Statement.
D86	Local roads proposed to be used by Heavy Vehicles to directly access construction sites that are not identified in the documents listed in Condition A1 of this schedule must be approved by the Planning Secretary and be included in the CTMPs.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction where local roads have been used by heavy vehicles, for contractors and sites identified as subject to audit in the Scoping Statement.
D87	All requests to the Planning Secretary for approval to use local roads under Condition D86 above must include the following: a) a swept path analysis; b) demonstration that the use of local roads by Heavy Vehicles for the CSSI will not compromise the safety of pedestrians and cyclists of the safety of two-way traffic flow on two-way roadways; c) details as to the date of completion of the road dilapidation surveys for the subject local roads; and d) measures that will be implemented to avoid where practicable the use of local roads past schools, aged care facilities and child care facilities during their peak operation times; and e) written advice from an appropriately qualified professional on the suitability of the proposed Heavy Vehicle route which takes into consideration items (a) to(d) of this condition.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction where local roads have been used by heavy vehicles, for contractors and sites identified as subject to audit in the Scoping Statement.
D88	**Road Dilapidation** Before any local road is used by a Heavy Vehicle for the purposes of construction of Stage 1 of the CSSI, a Road Dilapidation Report must be prepared for the road. A copy of the Road Dilapidation Report must be provided to the Relevant Road Authority(s) within three (3) weeks of completion of the survey and at no later than one (1) month before the road being used by Heavy Vehicles associated with the construction of Stage 1 of the CSSI.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction where local roads have been used by heavy vehicles, for contractors and sites identified as subject

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							to audit in the Scoping Statement.
D89	If damage to roads occurs as a result of the construction of Stage 1 of the CSSI, the Proponent must either (at the Relevant Road Authority's discretion): (a) compensate the Relevant Road Authority for the damage so caused; or (b) rectify the damage to restore the road to at least the condition it was in pre-work as identified in the Road Dilapidation Report.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction and following construction where local roads have been used by heavy vehicles, for contractors and sites identified as subject to audit in the Scoping Statement.
D90	**Construction Parking and Access Management** Vehicles associated with the project workforce (including light vehicles and Heavy Vehicles) must be managed to: a) minimise parking on public roads; b) minimise idling and queueing on state and regional roads; c) not carry out marshalling of construction vehicles near sensitive land user(s); d) not block or disrupt access across pedestrian or shared user paths at any time unless alternate access is provided; and e) ensure spoil haulage vehicles adhere to the nominated haulage routes identified in the CTMPs	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, Audit during construction where local roads have been used by heavy vehicles, for contractors and sites identified as subject to audit in the Scoping Statement.
D91	A Construction Parking and Access Strategy must be prepared to identify and mitigate impacts resulting from on- and off-street parking changes during construction. The Construction Parking and Access Strategy must include, but not necessarily be limited to: a) achieving the requirements of Condition D90 above; b) confirmation and timing of the removal of on- and off-street parking associated with construction of Stage 1 of the CSSI; c) parking surveys of all parking spaces to be removed or occupied by the project workforce to determine current demand during peak, off-peak, school drop off and pickup, weekend periods and during special events;	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit during construction that has impacted on parking, Audit during construction where local roads have been used by heavy vehicles, for contractors and sites identified as subject to audit in the Scoping Statement.

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	d) consultation with affected stakeholders utilising existing on- and off-street parking stock which will be impacted as a result of construction; e) assessment of the impacts to on- and off-street parking stock taking into consideration, occupation by the project workforce, outcomes of consultation with affected stakeholders and considering the impacts of special events; f) identification of reasonable and practicable mitigation measures to manage impacts to stakeholders as a result of on- and off-street parking changes including, but not necessarily limited to, staged removal and replacement of parking, provision of alternative parking arrangements, managed staff parking arrangements and working with relevant council(s) to introduce parking restrictions adjacent to work sites and compounds or appropriate residential parking schemes; g) where residential parking schemes already exist, off-road parking facilities must be provided for the project workforce; h) mechanisms for monitoring, over appropriate intervals (not less than 6 months), to determine the effectiveness of implemented mitigation measures; i) details of shuttle bus service(s) to transport the project workforce to construction sites from public transport hubs and off-site car parking facilities (where these are provided) and between construction sites; j) provision of contingency measures should the results of mitigation or monitoring indicate implemented measures are ineffective; and k) provision of reporting of monitoring results to the Planning Secretary and Relevant Council(s) at six (6) monthly intervals.						
D92	The Construction Parking and Access Strategy must be submitted to the Planning Secretary for approval at least one (1) month before the commencement of any construction that reduces the availability of existing parking. The approved Construction Parking and Access Strategy must be implemented before impacting on on-street parking and incorporated into the CTMPs.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit during construction that has impacted on parking, Audit during construction where local roads have been used by heavy vehicles, for contractors and sites identified as subject to audit in the Scoping Statement.

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D93	During construction, all reasonably practicable measures must be implemented to maintain pedestrian, cyclist and vehicular access to, and parking in the vicinity of, businesses and affected properties. Disruptions are to be avoided, and where avoidance is not possible, minimised. Where disruption cannot be minimised, alternative pedestrian, cyclist and vehicular access, and parking arrangements must be developed in consultation with affected businesses and implemented before the disruption. Adequate signage and directions to businesses must be provided before, and for the duration of, any disruption.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction that impacts on pedestrian, cyclist and vehicular access, for contractors and sites identified as subject to audit in the Scoping Statement.
D94	**Road Safety** A Traffic and Transport Liaison Group(s) must be established in accordance with the Construction Traffic Management Framework to inform the development of CTMPs.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, for contractors and sites identified as subject to audit in the Scoping Statement.
D95	Supplementary analysis and modelling as required by TfNSW and / or the Traffic and Transport Liaison Group(s) must be undertaken to demonstrate that construction and operational traffic can be managed to minimise disruption to traffic network operations including changes to and the management of pedestrian, bicycle and public transport networks, public transport services, and pedestrian and cyclist movements. Revised traffic management measures must be incorporated into the CTMPs.	Full Compliance except in relation to operational traffic.	Full Compliance except in relation to operational traffic.	Full Compliance except in relation to operational traffic.	Full Compliance except in relation to operational traffic.	Full Compliance	Audit during construction, for contractors and sites identified as subject to audit in the Scoping Statement.
D96	The permanent road works at Clyde / Rosehill must be designed, constructed and operated with the objective of integrating with existing and proposed road and related transport networks and minimising adverse changes to the safety, efficiency and, accessibility of the networks, and avoid deterioration in peak period levels of service in relation to permanent and operational changes. Design and assessment of related traffic, parking, pedestrian and cycle accessibility impacts and changes shall be undertaken: a) in consultation with, and to the reasonable requirements of the relevant Traffic and Transport Liaison Group; b) in consideration of existing and future demand, connectivity (in relation to permanent changes), performance and safety requirements; c) to minimise and manage local area traffic impacts; d) to ensure access is maintained to property and infrastructure; and	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Full Compliance	Audit during construction and following completion of construction of permanent road works at Clyde / Rosehill.

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	e) to meet relevant design, engineering and safety guidelines, including Austroads, Australian Standards, and TfNSW requirements. Copies of civil, structural and traffic signal design plans shall be submitted to the Relevant Road Authority for consultation during design development and before completion of construction of Stage 1 of the CSSI.						
D96.1	**The permanent realignment of Unwin Street and Kay Street must be designed with the objective of not precluding a potential future connection between the M4 Motorway and the CamelliaRosehill Precinct, unless otherwise agreed by the Planning Secretary. The Proponent must provide the Department, in a timely manner, detailed design, engineering and other related documentation to inform its masterplanning of the precinct.** **The current road reserve of Unwin Street between Kay Street and the TfNSW Granville Depot driveway (including the A'becketts Creek bridge) must be retained, unless otherwise agreed by the Planning Secretary.** **Note: At the time of approval, the relevant team at the Department is the Metro Central team, within the Planning & Land Use Strategy Division** **Note: The intent of this condition is to retain a section of the current road reserve of Unwin Street for future use as a connection between the M4 Motorway and Unwin Street. The M4 connection referenced in this condition does not form part of this Approval and this condition does not require the Proponent to deliver said connection.** **MOD-2**	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit during construction of the permanent realignment of Unwin Street and Kay Street.
D97	Permanent road works, including vehicular access, signalised intersection works, and works relating to pedestrians, cyclists, and public transport users must be subject to safety audits demonstrating consistency with relevant design, engineering and safety standards and guidelines. Safety audits must be prepared in consultation with the relevant Traffic and Transport Liaison Group before the completion and use of the subject infrastructure and must be made available to the Planning Secretary upon request.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit prior to completion of construction of permanent road works, including vehicular access, signalised intersection works, and works relating to pedestrians, cyclists, and public transport users.

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D98	Pedestrian and Cyclist Access Safe pedestrian and cyclist access must be maintained around construction sites during construction. In circumstances where pedestrian and cyclist access is restricted or removed due to construction activities, a proximate alternate route which complies with the relevant standards, must be provided and signposted before the restriction or removal of the impacted access.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction, focusing on contractors and sites that interface with pedestrian and cyclist access.
D98.1	**Temporary pedestrian access across the project must be provided as near as practicable to the existing Rosehill Railway Station Footbridge. The access must provide a reasonably direct route between the intersection of James Ruse Drive and Prospect Street and Gate 3 of Rosehill Gardens Racecourse. The access must be safe and open to all users (including the general public).** **The temporary pedestrian access must be designed in consultation with Australian Turf Club, the relevant landowner and/or Relevant Road Authority, and be implemented before removal of the Rosehill Railway Station Footbridge.** **Note: Any temporary pedestrian access in the vicinity of the former Rosehill Station which is intended to be made permanent must be designed in consultation with Australian Turf Club and must consider relevant masterplans and strategic planning documents.** **MOD-2**	Not identified in Staging Report.	Not identified in Staging Report.	Not identified in Staging Report.	Not identified in Staging Report.	Not identified in Staging Report.	Audit during construction that disrupts access between the intersection of James Ruse Drive and Prospect Street and Gate 3 of Rosehill Gardens Racecourse.
D99	**Spoil Movement** Opportunities to maximise spoil material removal by non-road methods must be investigated and implemented where reasonably practicable to minimise movements by road.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit during tunnelling on Phase B and Phase C.
D100	**Emergency Vehicle Access** The Proponent must maintain emergency vehicle access, in consultation with TfNSW, emergency services and NSW Health, to Westmead Hospital at all times throughout Stage 1 of the CSSI. Measures must be outlined in the Construction Parking and Access Strategy required under Condition D91 above.	Not Applicable	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction identified as subject to audit in the Scoping Statement.
Utilities Management							
D101	Utilities, services and other infrastructure potentially affected by construction must be identified before works affecting the item, to determine requirements for access to, diversion protection, and / or support. The relevant owner(s) and / or provider(s) of services must be consulted to make suitable arrangements for access to diversion, protection, and / or support of the affected infrastructure as	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction for contractors and sites identified as subject

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	required. The Proponent must ensure that disruption to any service is minimised and be responsible for advising local residents and businesses affected before any planned disruption of service.						to audit in the Scoping Statement.
D102	**Utility Coordination Manager** A Utility Coordination Manager must be appointed for the duration of work associated with Stage 1 of the CSSI. The role of the Utility Coordination Manager must include, but not be limited to: a) the management and coordination of all utility work associated with the delivery of Stage 1 of the CSSI, to ensure respite is provided to the community; b) providing advice to the Sydney Metro Place Manager regarding upcoming utility work, including the scope of the work and the responsibility for the work; and c) investigating complaints received from the Community Complaints Mediator or the Project communication team relating to utility work and providing a response as required.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction for contractors and sites identified as subject to audit in the Scoping Statement.
Urban Design and Visual Amenity							
D103	**Ancillary Facilities** Wayfinding information must be incorporated on temporary hoardings to guide pedestrians around ancillary facilities and enhance their understanding and experience of the locality and space.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit following site establishment on ancillary facilities that interface with pedestrian access, for contractors and sites identified as subject to audit in the Scoping Statement.
D104	Nothing in this approval permits advertising on any element of Stage 1 of the CSSI.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit during construction for contractors and sites identified as subject to audit in the Scoping Statement.
D105	**Temporary Activations** The Proponent must undertake temporary placemaking initiatives for the benefit of the community, such as commercial "pop up" spaces, information booths, art installations, around the perimeter or in the vicinity of construction sites at Parramatta and Five Dock with the objective of temporarily	Full Compliance	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit during construction at Parramatta and Five Dock.

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	enhancing visual amenity, providing gathering places in the local area and creating temporary active frontages to construction sites during Stage 1 of the CSSI.						
D106	**Five Dock Metro Station Eastern Construction Site** The acoustic shed at the Five Dock metro station eastern construction site must be designed and constructed in a manner that minimises visual amenity, solar access and overshadowing impacts to the residential apartments at 110 Great North Road, Five Dock facing the acoustic shed. The potential visual amenity, solar access and overshadowing impacts of the acoustic shed on the affected residential apartments must be assessed in a Visual Amenity, Solar Access and Overshadowing Report prepared by the Proponent.	Full Compliance	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit once following erection of the acoustic shed at the Five Dock metro station eastern construction site.
D107	The Visual Amenity, Solar Access and Overshadowing Report must include: a) visual amenity impact assessments from the relevant residential apartments to the acoustic shed at the Five Dock metro station eastern construction site; b) solar access assessments of the relevant residential apartments, with consideration for the relevant development controls in the City of Canada Bay Development Control Plan (Version 4, 21 October 2020) and the Apartment Design Guide; and c) a consultation plan to detail how potential impacts and mitigation measures will be discussed and negotiated with potentially affected property owners. The Visual Amenity, Solar Access and Overshadowing Report must be provided to the Planning Secretary for approval within (1) month prior to the installation of the acoustic shed at the Five Dock metro station eastern construction site.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Not Applicable	Audit once following erection of the acoustic shed at the Five Dock metro station eastern construction site.
D108	Where the acoustic shed causes a moderate (or greater) adverse visual amenity impact and / or unreasonable overshadowing and solar access impacts to any of the subject residential apartments, the Proponent must consult with the relevant affected property owners and occupiers to identify appropriate mitigation measures and an agreed implementation program. A copy of agreed implementation programs must be provided to the Planning Secretary for information.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit once following erection of the acoustic shed at the Five Dock metro station eastern construction site.
D109	**Lighting and Security** Stage 1 of the CSSI must be constructed with the objective of minimising light spill to surrounding properties including from headlights of construction vehicles. All lighting associated with the construction of Stage 1 of the CSSI must be consistent with the requirements of Australian Standard 4282-1997 Control of the obtrusive effects of outdoor lighting and relevant Australian Standards in the series AS/NZ 1158 – Lighting for Roads and Public Spaces. Additionally, mitigation measures	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit once following site establishment of ancillary facilities proximal to residential receivers (or in the event of persistent

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		Phase A	Phase B	Phase C	Phase E	Phase A	
	must be provided to manage any residual night lighting impacts to protect properties adjoining or adjacent to the CSSI, in consultation with affected landowners.						visual amenity complaints).
D110	**Visual Amenity** Stage 1 of the CSSI must be constructed in a manner that minimises visual impacts of construction sites including, providing temporary landscaping and vegetative screening, minimising light spill, minimising impacts to identified significant view lines in respect of The Bays metro station construction site and incorporating architectural treatment and finishes within key elements of temporary structures that reflect the context within which the construction sites are located, wherever practicable.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit following completion of site establishment of each ancillary facility.
Waste							
D111	Waste generated during construction and operation must be dealt with in accordance with the following priorities: a) waste generation must be avoided and where avoidance is not reasonably practicable, waste generation must be reduced; b) where avoiding or reducing waste is not possible, waste must be re-used, recycled, or recovered; and c) where re-using, recycling or recovering waste is not possible, waste must be treated or disposed of.	Full Compliance except for operation	Full Compliance except for operation	Full Compliance except for operation	Full Compliance except for operation	Full Compliance except for operation	Audit as requested by the Department or other stakeholder.
D112	The importation of waste and the storage, treatment, processing, reprocessing or disposal of such waste must comply with the conditions of the current EPL for Stage 1 of the CSSI, or be done in accordance with a Resource Recovery Exemption or Order issued under the Protection of the Environment Operations (Waste) Regulation 2014, as the case may be.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit as requested by the Department or other stakeholder.
D113	Waste must only be exported to a site licensed by the EPA for the storage, treatment, processing, reprocessing or disposal of the subject waste, or in accordance with a Resource Recovery Exemption or Order issued under the Protection of the Environment Operations (Waste) Regulation 2014, or to any other place that can lawfully accept such waste.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit as requested by the Department or other stakeholder.
D114	All waste must be classified in accordance with the EPA's Waste Classification Guidelines, with appropriate records and disposal dockets retained for audit purposes.	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit as requested by the Department or other stakeholder.
Water							

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D115	Work on waterfront land must be carried out in accordance with controlled activity guidelines.	Full Compliance	Full Compliance	Full Compliance	Not Applicable	Full Compliance	Audit as requested by the Department or other stakeholder.
D116	**Stormwater** 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).	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Full Compliance	Audit as requested by the Department or other stakeholder, or in the event of recurring construction water related incidents, complaints or ER observations.
D117	**Water Quality** Stage 1 of the CSSI must be designed and constructed so as to maintain the NSW Water Quality Objectives (NSW WQO) where they are being achieved as at the date of this approval, and contribute towards achievement of the NSW WQO over time where they are not being achieved as at the date of this approval, unless an EPL in force in respect of the CSSI contains different requirements in relation to the NSW WQO, in which case those requirements must be complied with.	Full Compliance	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit as requested by the Department or other stakeholder (for works not regulated by an EPL).
D118	Unless an EPL is in force in respect to Stage 1 of the CSSI and that licence specifies alternative criteria, discharges from wastewater treatment plants to surface waters must not exceed: a) the Australian and New Zealand Guidelines for Fresh and Marine Water Quality 2018 (ANZG (2018)) default guideline values for toxicants at the 95 per cent species protection level; b) for physical and chemical stressors, the guideline values set out in Tables 3.3.2 and 3.3.3 of the Australian and New Zealand Guidelines for Fresh and Marine Water Quality 2000 (ANZECC/ARMCANZ); and c) for bioaccumulative and persistent toxicants, the ANZG (2018) guidelines values at a minimum of 99 per cent species protection level. Where the ANZG (2018) does not provide a default guideline value for a particular pollutant, the approaches set out in the ANZG (2018) for deriving guideline values, using interim guideline values and/or using other lines of evidence such as international scientific literature or water quality guidelines from other countries, must be used.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit periodically during construction (for works not regulated by an EPL).
D119	If construction stage stormwater discharges are proposed, a Water Pollution Impact Assessment will be required to inform licensing consistent with section 45 of the POEO Act. Any such assessment	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit once following application to the EPA to licence

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	must be prepared in consultation with the EPA and be consistent with the National Water Quality Guidelines, with a level of detail commensurate with the potential water pollution risk.						stormwater discharges.
D120	Drainage feature crossings (permanent and temporary watercourse crossings and stream diversions) and drainage swales and depressions must be carried out in accordance with relevant guidelines and designed by a suitably qualified and experienced person.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit as requested by the Department or other stakeholder, or in the event of incidents, complaints or ER observations relating to construction of drainage features.
D121	**Groundwater** Make good provisions for groundwater users must be provided in the event of a material decline in water supply levels, quality or quantity from registered existing bores associated with groundwater changes from construction.	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit as requested by the Department, or in the event of complaints of decline in water supply from existing bore owners/users.
D122	**The Proponent must submit a revised Groundwater Modelling Report in association with Stage 1 of the CSSI to the Planning Secretary for information before bulk excavation at the relevant construction location. The Groundwater Modelling Report must include:** **a) for each construction site where excavation will be undertaken, cumulative (additive) impacts from nearby developments, parallel transport projects and nearby excavation associated with the CSSI;** **b) predicted incidental groundwater take (dewatering) including cumulative project effects;** **c) potential impacts for all latter stages of the CSSI or detail and demonstrate why these later stages of the CSSI will not have lasting impacts to the groundwater system, ongoing groundwater incidental take and groundwater level drawdown effects;** **d) actions required after Stage 1 to minimise the risk of inflows (including in the event latter stages of the CSSI are delayed or do not progress) and a strategy for accounting for any water taken beyond the life of the operation of the CSSI;** **e) saltwater intrusion modelling analysis, from estuarine and saline groundwater in shale, into The Bays metro station site and other relevant metro station sties; and**	Not Applicable	Full Compliance	Not Applicable	Not Applicable	Full Compliance	Audit once after commencement of bulk excavation at each construction location.

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	f) **a schematic of the conceptual hydrogeological model.** **MOD-4**						

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