



# QUARTERLY ENVIRONMENT REPORT, 2022, Q1

## PARRAMATTA LIGHT RAIL INFRASTRUCTURE WORKS

January to March 2022

**Parramatta**  
Connect



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# 1. Introduction

## 1.1. Background

Parramatta Light Rail Stage 1 ('Stage 1') will connect Westmead to Carlingford via Parramatta Central Business District (CBD) and Camellia. Stage 1 is expected to be operational in 2023.

Stage 1 will create new communities, connect great places and help both local residents and visitors move around and explore what the region has to offer. The route will link Parramatta's CBD and train station to a number of key locations, including the Westmead Precinct, the Parramatta North Growth Centre, the new Western Sydney Stadium, the Camellia Town Centre, the new Powerhouse Museum and Riverside Theatre arts and cultural precinct, the private and social housing redevelopment at Telopea, the Rosehill Gardens Racecourse and the three Western Sydney University campuses.

Key features of Stage 1 include:

- A new dual track light rail network of approximately twelve (12) kilometres in length, including approximately seven (7) kilometres within the existing road corridor and approximately five (5) kilometres within the existing Carlingford Line and Sandown Line, replacing current heavy rail services
- Sixteen (16) stops that are fully accessible and integrated into the urban environment including a terminus stop at each end of Westmead and Carlingford
- High frequency 'turn-up-and-go' services operating seven days a week from 5am to 1am. Weekday services will operate approximately every 7.5 minutes in the peak period between 7am and 7pm
- Modern and comfortable air-conditioned light rail vehicles, nominally 45 metres long and driver-operated, each carrying up to 300 passengers.
- Intermodal interchanges with existing public transport services at Westmead terminus, Parramatta CBD and the Carlingford terminus
- Creation of two light rail and pedestrian zones (no general vehicle access) within the Parramatta CBD along Church Street (generally between Market Street and Macquarie Street) and along Macquarie Street (generally between Horwood Place and Smith Street)
- A Stabling and Maintenance (SaM) Facility located in Camellia for light rail vehicles to be stabled, cleaned and maintained
- New bridge structures along the alignment including over James Ruse Drive and Clay Cliff Creek, Parramatta River (near the Cumberland Hospital), Kissing Point Road and Vineyard Creek, Rydalmere
- Alterations to the existing road network including line marking, additional traffic lanes and turning lanes, new traffic signals, and changes to traffic flows
- Relocation and protection of existing utilities
- Public domain and urban design works along the corridor and at Stop precincts
- Closure of the heavy rail line between Carlingford and Clyde
- Active transport corridors and additional urban design features along sections of the alignment and within Stop precincts
- Integration with the Opal Electronic Ticketing System (ETS)
- Real time information in light rail vehicles and at Stops via visual displays and audio.



### 1.1.1. Statutory Context

A Construction Environmental Management Plan (CEMP) was prepared for the Parramatta Light Rail Package 4 – Infrastructure Works (Infrastructure Works). The purpose of the CEMP and associated Sub-plans is to address the requirements of the Minister’s Conditions of Approval (CoA) SSI-8285, the Revised Environmental Mitigation and Management Measures (REMMMs) and Environmental Performance Outcomes (EPO’s) listed in Parramatta Light Rail Stage 1 Westmead to Carlingford via Parramatta CBD and Camellia Environmental Impact Statement (the EIS), as amended by the Parramatta Light Rail (Stage 1) Westmead to Carlingford via Parramatta CBD and Camellia Submissions Report (incorporating Preferred Infrastructure Report) (February 2018) (the SPIR). In addition, the CEMP addresses all applicable legislation and contractual requirements, including the PLR Stage 1 Infrastructure Contract Project Deed (ISD-17-6721).

The Parramatta Light Rail was subject to environmental impact assessment under the *Environmental Planning and Assessment Act 1979* (EP&A Act). It is classified as Critical State Significant Infrastructure (CSSI). The EIS assessed impacts for Parramatta Light Rail Stage 1 (Westmead to Carlingford). This covered the light rail and associated works including road enabling work.

Stage 1 received Infrastructure Approval from the Minister for Planning under Section 5.19 of the EP&A Act on 29 May 2018 (Critical State Significant Infrastructure Application SSI-8285), subject to the conditions provided in the Instrument of Approval, specifically Schedule B – Ministerial Conditions of Approval.

The Infrastructure Approval was subsequently modified under Section 5.25 of the EP&A Act on 21 December 2018 and 25 January 2019.

The planning approval, modifications and related environmental assessment documents are located at: [http://majorprojects.planning.nsw.gov.au/index.pl?action=view\\_job&job\\_id=8285](http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=8285)

## 1.2. Scope

This scope of this report is to address the requirements of Infrastructure Contract Exhibit A - Management Requirements Annexure 13 - Reporting Requirements, clause 2.3 Quarterly Environment Reports which must include as a minimum:

- (i) any reporting requirements identified in the Deed, SPR Annexure 6 Environmental Management Requirements and the Planning Approval;
- (ii) details of the Tree Protection Plans in place during the reporting period, including summaries of monthly monitoring of tree protection measures;
- (iii) an updated Tree Register and progress of tree removals, relocations and pruning activities; and
- (iv) update on the progress of the tree plantings as required under the landscape designs; and
- (v) compliance reporting against the CEMP.

The reporting requirements for nominated aspects are included in the relevant environmental management sub plans and summarised in **Table 1-1**.

**Table 1-1 Management Plan Requirements**

Plan	Requirements
	2.3 Quarterly Environment Report
Annexure 13 – reporting requirements	(a) the Contractor must provide quarterly environment reports, which must include as a minimum: <ul style="list-style-type: none"> <li>(i) any reporting requirements identified in the Deed, SPR Annexure 6 Environmental Management Requirements and the Planning Approval;</li> </ul>



	<p>(ii) details of the Tree Protection Plans in place during the reporting period, including summaries of monthly monitoring tree protection measures;</p> <p>(iii) an updated Tree Register and progress of tree removals, relocations and pruning activities; and</p> <p>(iv) update on the progress of the tree plantings as required under the landscape designs; and</p> <p>(v) compliance reporting against the CEMP</p>
CEMP	<p>Details of the Tree Protection Plans in place during the reporting period, including summaries of monthly monitoring of tree protection measures;</p> <p>An updated Tree Register and progress of tree removals, relocations and pruning activities;</p> <p>Update on the progress of the tree plantings as required under the landscape designs; and</p> <p>Compliance reporting against the CEMP</p>
SEMP	<p>Compliance reporting against the Planning Approval and CEMP including the requirements identified in this plan (Table 3-2, Table 3-3 and Table 3-4)</p>
NVMP	<p>Compliance reporting against the Planning Approval and CEMP including the requirements identified in this plan (Table 3-2 and Table 3-3)</p>
FFMP	<p>Details of the Tree Protection Plans in place during the reporting period, including summaries of monthly monitoring of tree protection measures;</p> <p>Updated Tree Register and progress of tree removals, relocations and pruning activities; and</p> <p>Update on the progress of the tree plantings as required under the landscape designs</p>
SWMP	<p>Compliance reporting against the Planning Approval and CEMP including the requirements identified in this plan (Table 3-2 and Table 3-3)</p>
LTWMP	<p>Compliance reporting against the Planning Approval and CEMP including the requirements identified in this plan (Table 3-2 and Table 3-3)</p>
AQMP	<p>Compliance reporting against the Planning Approval and CEMP including the requirements identified in this Plan (Table 3-2 and Table 3-3)</p>
FMP	<p>Compliance reporting against the Planning Approval and CEMP including the requirements identified in this plan (Table 3-2 and Table 3-3)</p>



## 2. Site Activities

Table 2-1 provides a summary of the site activities that occurred during the reporting period.

Table 2-1 Site Activities

Precinct	Site Activities
Westmead and North Parramatta	<ul style="list-style-type: none"><li>– Ongoing utility, street lighting and Multi-Function Pole (MFP) installation</li><li>– Traffic Control Signal (TCS) works</li><li>– Retaining wall and driveway works for property adjustment</li><li>– Track works, including grass track installation and rail grinding</li><li>– Road pavement and finish works (kerb and gutter)</li><li>– Urban design works (soft and hard landscaping)</li><li>– Defect Works</li></ul>
Parramatta CBD	<ul style="list-style-type: none"><li>– Ongoing utility and services installations including MFP, low voltage property connections and lighting</li><li>– Civil works including Combined Services Route (CSR) and pavement adjustments</li><li>– Track works</li><li>– Property adjustment</li><li>– Road construction</li><li>– Paving (track and footpaths)</li><li>– Finishing works</li><li>– TCS works</li><li>– Defect rectification works</li><li>– Intersection works</li><li>– Urban design works (soft and hard landscaping)</li><li>– Rail grinding</li></ul>
Camellia to Carlingford	<ul style="list-style-type: none"><li>– James Ruse Drive Bridge Active Transport Link and track works</li><li>– TCS works</li><li>– Defect rectification works</li><li>– Urban design works (soft and hard landscaping)</li></ul>



## 3. Reporting requirements

### 3.1. Compliance Tracking

In accordance with the Deed, SPR Annexure 6 Environmental Management Requirements clause 8.2, TfNSW has developed a compliance monitoring system (INX) to track the conditions of all licences, permits and approvals of its projects.

Parramatta Connect completed a quarterly review of the SSI 8285 Planning Approval Conditions of Approval, the Revised Environmental Mitigation and Management Measures and the Environmental Performance Outcomes, subject to the allocations detailed in the Condition A13 Staging Report. The review for the January to March 2022 reporting period is presented in Appendix A-1, noting that the tables are limited to conditions, REMMMs and EPOs that have not been assessed as closed by the ER.

### 3.2. Tree Management

#### 3.2.1. Tree Protection Plans

As detailed in **Table 3-1**, there were three Tree Protection Plans prepared during the reporting period.

**Table 3-1 Summary of Tree Protection Plans**

Tree Protection Plan Name	Revision Date	Date IA Approval Received	Works Commenced
TPP - A2_021 - George Street Slip Lane	24/01/22	04/02/22	07/02/22
TPP - A2_022 - Off-Corridor Works	03/02/22	14/02/22	In planning
TPP - A2_023 - Centenary Sq Rectification	11/02/22	14/02/22	In planning

#### 3.2.2. Tree Register

During the January to March 2022 reporting period, there were no revisions of the tree register in response to the progressive assessment of trees (**Table 3-2**).

**Table 3-2 Tree Register Updates**

Revision	Date Completed	Change
-	-	-

#### 3.2.3. Tree Removals, Relocations and Plantings

There were no trees removed or relocated during the reporting period. There were 293 trees planted during the reporting period in accordance with the Register of Planted Trees.

**Table 3-3 Tree Register Updates**

Description	Previous to Date	This Period	Total to Date
Number of trees removed	1011	0	1011
Number of trees relocated	1	0	1
Number of trees planted	930	293	1223



### 3.2.4. Arborist Site Inspections

As detailed in **Table 3-4**, the PCPLR Arborist conducted regular site inspections during the reporting period to assess compliance against Tree Protection Plans and the Tree Register.

**Table 3-4 Arborist Site Inspections**

Date	Description	Task
12/01/22	Macquarie Street Trees	Root Mapping
12/01/22	Macquarie Street Trees	Site Inspection
24/01/22	TPP works	Site Inspection
07/02/22	George St Slip Lane	Site Supervision
08/02/22	George St Slip Lane	Site Supervision
03/03/2022	Assess TN 1271 for tree pruning at Church St, North Parramatta	Visual assessment for tree pruning.
11/03/2022	Assess multiple trees from Telopea to Carlingford for tree pruning	Assist arborists in pruning trees
14/03/2022	Assess TN 10428 & 9749 for Post Construction Tree Assessment recommendations	Trees re-assessed and recommendations updated.

## 3.3. Compliance Reporting Against the CEMP

Environmental compliance to date and during the reporting period is summarised in **Table 3-5**.

**Table 3-5 Compliance Status**

Description	Previous to Date	This Period	Total Date
Environmental Improvement Notices Raised	0	0	0
Environmental Improvement Notices Closed	0	0	0
Environmental Incidents	50	1	51
Environmental Non-compliances	20	0	20
Notices from Regulatory Authorities	0	0	0
Record Breach/Warning Notice	8	1	9



# Appendices

# A-1 Compliance Reporting



## A-1-1 Minister's Conditions of Approval (CoA)

ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A1	<p>The CSSI must be carried out in accordance with the terms of this approval and generally in accordance with the description of the CSSI in the Parramatta Light Rail (Stage 1) Westmead to Carlingford via Parramatta CBD and Camellia Environmental Impact Statement (dated August 2017) (the EIS) as amended by:</p> <ul style="list-style-type: none"> <li>(a) the Parramatta Light Rail (Stage 1) Westmead to Carlingford via Parramatta CBD and Camellia Submissions Report (incorporating Preferred Infrastructure Report) (February 2018) (the SPIR);</li> <li>(b) SSI 8285 Administrative modification (November 2018) (MOD 1); and</li> <li>(c) SSI 8285 Correction to Administrative modification (January 2019) (MOD 2)</li> </ul>	Conformant	<p>The CSSI has been carried out in accordance with Planning Approval, Environmental Impact Statement, Submissions Report and Administrative Modifications. In accordance with the approved CEMP, consistency assessments were prepared during the reporting period to assess nominated changes in the Approved Project scope or boundary. Subject to approval by the relevant TfNSW delegated authority. The project was delivered in accordance with these approvals.</p>
A2	<p>The CSSI must be carried out in accordance with all procedures, commitments, preventative actions, performance criteria and mitigation measures set out in the EIS as amended by the Submissions Report (incorporating Preferred Infrastructure Report) unless otherwise specified in, or required under, this approval.</p>	Conformant	<p>Compliance with the procedures, commitments, preventative actions, performance criteria and mitigation measures set out in the EIS as amended by the Submissions Report requirements will be tracked through the Compliance Tracking Program (CoA A30) and Environmental Audit Program (CoA A40). The Pre-construction Compliance Report (CoA A34) was endorsed by the ER and issued to DPIE for information no later than 1 month prior to the commencement of construction. This endorsement demonstrates compliance of Package 4 Works during the reporting period.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A3	<p>In the event of an inconsistency between the EIS and the Submissions Report (incorporating Preferred Infrastructure Report) or any other document required under this approval, and a term of this approval, the term of this approval prevails to the extent of the inconsistency.</p> <p><i>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.</i></p>	Not Triggered	The requirements of this condition were not triggered by the Infrastructure Works during the reporting period.
A4	<p>The Proponent must comply with all written requirements or directions of the Secretary, including in relation to:</p> <ul style="list-style-type: none"><li>(a) the environmental performance of the CSSI;</li><li>(b) any document or correspondence in relation to the CSSI;</li><li>(c) any notification given to the Secretary under the terms of this approval;</li><li>(d) any audit of the construction or operation of the CSSI;</li><li>(e) the terms of this approval and compliance with the terms of this approval (including anything required to be done under this approval); and</li><li>(f) the carrying out of any additional monitoring or mitigation measures.</li></ul>	Not Triggered	There have been no written requirements or directions issued by the Secretary in relation the PLR Package 4 works.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A5	<p>Where the terms 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 Secretary with the document or monitoring program for review. The evidence must include:</p> <p>(a) documentation of the engagement with the party(ies) identified in the relevant condition of approval before submitting the document for approval;</p> <p>(b) log of the points of engagement or attempted engagement with the identified party(ies) and a summary of the issues raised by the identified party(ies);</p> <p>(c) documentation of any follow-up with the identified party(ies), where feedback has not been provided, to confirm that the identified party(ies) has none or has failed to provide feedback after repeated requests;</p> <p>(d) outline of the issues raised by the identified party(ies) and how they have been addressed, including evidence that the party(ies) is satisfied the issues have been addressed and</p> <p>(e) where there are outstanding issues raised by the identified party(ies) that have not been adopted, the reasons why they have not been/could not be adopted must be provided, including evidence of consultation with the relevant party(ies).</p>	Conformant	Information only. Refer to CoA A2 for means to comply with all strategies, plans, programs, reviews, audits, report recommendations, protocols and the like required by the terms of this approval. There have been no further requirements issued by the Secretary in relation to these documents to date.
A7	References in the terms 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, unless otherwise agreed with the Secretary.	Conformant	Condition noted.
A8	In the event that there are differing interpretations of the terms of this approval, including in relation to a condition of this approval, the Secretary's interpretation is final.	Not Triggered	The requirements of this condition were not triggered by the Infrastructure Works during the reporting period.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A9	<p>Where a condition of this approval requires the Proponent to submit a document or notification to the Secretary or obtain an approval from the Secretary within a specified time period, the Proponent may make a written request to the Secretary seeking an alternative timeframe. Any request must be made at least one (1) month before the submission timeframe stipulated in the condition of approval relating to the variation request. This condition does not apply to the immediate notification required in respect of an incident under Condition A44.</p>	Not Triggered	The requirements of this condition were not triggered by the Infrastructure Works during the reporting period.
A10	<p>Where the terms of approval provide the Secretary the discretion to alter the requirements of the approval, the Proponent must provide supporting evidence so that the Secretary can consider the need, environmental impacts and consistency of any request.</p> <p><i>Note: Inaction and/or expedience will not be supported as justifications for need unless it can be demonstrated that there is beneficial environmental impact for the project and the affected environment.</i></p>	Not Triggered	The requirements of this condition were not triggered by the Infrastructure Works during the reporting period.
A11	<p>Without limitation, all strategies, plans, programs, reviews, audits, report recommendations, protocols and the like required by the terms of this approval must be implemented by the Proponent in accordance with all requirements issued by the Secretary from time to time in respect of them.</p>	Conformant	Information only. Refer to CoA A2 for means to comply with all strategies, plans, programs, reviews, audits, report recommendations, protocols and the like required by the terms of this approval. There have been no further requirements issued by the Secretary in relation to these documents to date.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A12	The Proponent may undertake the flexibility provisions outlined in Appendix A. Flexibility provisions in Table 5.1 of the EIS do not apply.	Conformant	During the reporting period, nominated works were assessed in accordance with the flexibility provisions. For each scope, an Environmental Review was prepared, endorsed by the ER (where required) and submitted to TfNSW for approval.
A15	The CSSI must be staged in accordance with the Staging Report, as approved by the Secretary.	Conformant	The Project Wide Staging Report (PLR-TFNSW-CBD-PE-RPT-000001) updated prior to the commencement of Stage 4 works and approved by the Secretary on 5 September 2019. Works have occurred in accordance with the approved Project Wide Staging Report (PLR-TFNSW-CBD-PE-RPT-000001).





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A16	Where staging is proposed, the terms of this approval that apply or are relevant to construction to be carried out in a specific stage must be complied with at the relevant time identified in the Staging Report for that stage.	Conformant	The Project Wide Staging Report (PLR-TFNSW-CBD-PE-RPT-000001) was updated prior to the commencement of Stage 4 works and approved by the Secretary on 5 September 2019. During the reporting period, works have occurred in accordance with the approved Project Wide Staging Report (PLR-TFNSW-CBD-PE-RPT-000001).
A18	<p>The Proponent must use best endeavours to ensure that the duration of construction in any one location or zone, as defined to the Secretary's satisfaction, is such that any receiver is impacted by construction works for the minimum, reasonably practicable time.</p> <p>The Proponent must demonstrate the principles that would be adopted to minimise the duration of construction in zones as part of the <b>Staging Report</b> required by <b>Condition A13</b>.</p>	Conformant	The Staging Report (CoA A13) outlined strategies to minimise the duration of construction impacts during the delivery of Package 4. These include: Producing a comprehensive program to reduce the risk of unnecessarily long durations between activities. Carrying out procurement activities early to reduce the risk of materials not being available when needed. • Engaging sub-contractors early to reduce the risk of works being delayed. • Detailed design investigation to identify existing and unknown utilities and to reduce the risk of unexpected finds and staging of the works. • Use of modular, prefabricated and precast structural and finishing materials where reasonable and feasible • Necessary approvals from authorities will be acquired prior to works commencing to reduce the risk of works being stopped. The duration of construction has been undertaken in accordance with the Project Staging Report. No written notices received from the Secretary in relation to this condition.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A24	<p>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 A23 (including preparation of the ER monthly report), as well as:</p> <ul style="list-style-type: none"><li>(a) the complaints register (to be provided on a daily basis); and</li><li>(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).</li></ul>	Conformant	TfNSW recognise this requirement and will ensure it is complied with throughout the duration of the project. Parramatta Connect provided information to the ER as requested throughout the reporting period.
A25	<p>The Secretary may at any time commission an audit of an ER's exercise of its functions under <b>Condition A23</b>. The Proponent must:</p> <ul style="list-style-type: none"><li>(a) facilitate and assist the Secretary in any such audit; and</li><li>(b) make it a term of their engagement of an ER that the ER facilitate and assist the Secretary in any such audit.</li></ul>	Not Triggered	There were no audits of the ER's exercise of its function under condition A23 during the reporting period.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A29	<p>The AA must:</p> <ul style="list-style-type: none"> <li>(a) receive and respond to communication from the Secretary about the performance of the CSSI in relation to noise and vibration;</li> <li>(b) consider and inform the Secretary on matters specified in the terms of this approval relating to noise and vibration;</li> <li>(c) consider and recommend, to the Proponent, improvements that may be made to work practices to avoid or minimise adverse noise and vibration impacts;</li> <li>(d) consider consultation outcomes with affected receivers to determine the adequacy of noise mitigation and management measures including work hours and respite periods;</li> <li>(e) review all noise and vibration documents required to be prepared under the terms of this approval and, should they be consistent with the terms of this approval, endorse them before submission to the Secretary (if required to be submitted to the Secretary) or before implementation (if not required to be submitted to the Secretary);</li> <li>(f) regularly monitor the implementation of all noise and vibration documents required to be prepared under the terms of this approval to ensure implementation is in accordance with what is stated in the document and the terms of this approval;</li> <li>(g) in conjunction with the ER, the AA must:               <ul style="list-style-type: none"> <li>i) as may be requested by the Secretary, help plan, attend or undertake audits of noise and vibration management of the CSSI including briefings, and site visits;</li> <li>ii) if conflict arises between the Proponent and the community in relation to the noise and vibration performance during construction of the CSSI, follow the procedure in the Community Communication Strategy approved under Condition B3 of this approval to attempt to resolve the conflict, and if it cannot be resolved, notify the Secretary;</li> <li>iii) consider relevant minor amendments made to the CEMP, relevant sub-plans and noise and vibration monitoring programs that require updating or are of an administrative nature, and are consistent with the terms of this approval and the management plans and monitoring programs approved by the Secretary and, if satisfied such amendment is necessary, endorse the amendment. This does not include any modifications to the terms of this approval;</li> <li>iv) assess the noise impacts of minor construction ancillary facilities; and</li> </ul> </li> <li>(h) prepare and submit to the Secretary and other relevant regulatory agencies, for information, a monthly <b>Noise and Vibration Report</b> detailing the AAs actions and decisions on matters for which the AA was responsible in the preceding month (or another timeframe agreed with the Secretary). The <b>Noise and Vibration Report</b> must be submitted within seven days following the end of each month for</li> </ul>	Unassigned	The AA has been undertaking its role for the CSSI as evidenced through the AA Monthly Reports. Refer to TfNSW obligations register for more information.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
	the duration of construction of the CSSI, or as otherwise agreed with the Secretary.		



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A30	A <b>Compliance Tracking Program</b> to monitor compliance with the terms of this approval must be prepared, taking into consideration any staging of the CSSI that is proposed in a <b>Staging Report</b> submitted in accordance with <b>Conditions A13</b> and <b>A14</b> of this approval.	Conformant	The PLR Stage 1 Compliance Tracking Program was completed in December 2018 and updated in January 2019 to incorporate the administrative modification of the planning approval and the staging packages. Refer to TfNSW Conditions of Approval obligations for compliance details.
A32	The Compliance Tracking Program in the form required under Condition A30 of this approval must be implemented for the duration of works and for a minimum of one (1) year following commencement of operation, or for a longer period as determined by the Secretary based on the outcomes of independent environmental audits, Environmental Representative Monthly Reports and regular compliance reviews submitted through Compliance Reports. If staged operation is proposed, or operation is commenced of part of the CSSI, the Compliance Tracking Program must be implemented for the relevant period for each stage or part of the CSSI.	Conformant	In accordance with CoA A34, the Package 4 Pre-Construction Compliance Report has been endorsed by the ER and has been submitted to the Secretary. Package 4 have completed a review of compliance for the reporting period (this report). TfNSW will prepared and submit the Compliance Tracking Report to the Secretary for information every 6 months from the date of construction commencement.
A33	The Proponent must make each compliance report publicly available and notify the Department in writing when this has been done.	Conformant	TfNSW <a href="http://parramattalightrail.nsw.gov.au/library/environment/compliance-reports">http://parramattalightrail.nsw.gov.au/library/environment/compliance-reports</a> . Refer to the TfNSW obligations matrix.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A37	<p><b>Construction Compliance Reports</b> must be prepared and submitted to the Secretary for information every six (6) months from the date of the commencement of construction for the duration of construction. The <b>Construction Compliance Reports</b> must include:</p> <ul style="list-style-type: none"><li>(a) a results summary and analysis of environmental monitoring;</li><li>(b) the number of complaints received, including a summary of main areas of complaint, action taken, response given and proposed strategies for reducing the recurrence of such complaints;</li><li>(c) details of any review of, and minor amendments made to, the <b>CEMP</b> as a result of construction carried out during the reporting period;</li><li>(d) a register of any reviews of consistency undertaken including outcome;</li><li>(e) results of any independent environmental audits and details of any actions taken in response to the recommendations of an audit;</li><li>(f) a summary of all incidents notified in accordance with <b>Conditions A44</b> and <b>A46</b> of this approval; and</li><li>(g) any other matter relating to compliance with the terms of this approval or as requested by the Secretary.</li></ul>	Conformant	This Construction Compliance Report details construction compliance during the reporting period for Package 4 Works.
A41	The Environmental Audit Program, as submitted to the Secretary, must be implemented for the duration of construction and operation.	Conformant	Refer to TfNSW Conditions of Approval obligations for compliance details.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A43	The Proponent must submit a copy of the Environmental Audit Report to the Secretary for information, with a response to any recommendations contained in the audit report within six (6) weeks of completing the audit.	Unassigned	An independent environmental audit was undertaken on 3 March 2021 by Steven Molino of Molino Stewart. The final report, Environmental Audit Report No. 2 (2020/2021) (Version 2, 31 March 2021) (PLR0ALL-TFNSW-ALL-EN-RPT-000006) was submitted to the Secretary on 15 April 2021 (PLRM-TFNSW-DOP-TX-000090). The DPIE submission included a response to the recommendations contained in the audit report which was endorsed by the ER on 14 April 2021 (PLRM-APP-TFNSW-TX-000587).
A44	The Department must be notified in writing to <a href="mailto:compliance@planning.nsw.gov.au">compliance@planning.nsw.gov.au</a> immediately after the Proponent becomes aware of an incident. The 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 nature of the incident.	Conformant	During the reporting period, the following incidents were reported to the DPIE in accordance with the requirements of this condition: Alfred Street water main impact (23-Sep-21, PLR-PLR1INF-TFNSW-DOP-CORR-000030) and Hainsworth Water Meter Valve Cover (18-Jan-22, PLR-PLR1INF-TFNSW-DOP-CORR-000031).
A45	Within one week of notification of an incident under <b>Condition A44</b> of this approval, the Proponent must submit a report to the Department providing the time and date of the incident, details of the incident and must identify any consequent non-compliance with this approval.	Conformant	During the reporting period, the following incidents were reported to the DPIE in accordance with the requirements of this condition: Alfred Street water main impact (30-Sep-21, PLR-PLR1INF-TFNSW-TFNSW-CORR-002571) and Hainsworth Water Meter Valve Cover (25-Jan-22, PLR-PLR1INF-TFNSW-DOP-CORR-000032).
A46	All written requirements of the Secretary, which may be given at any point in time, to address the cause or impact of an incident must be complied with, within any timeframe specified by the Secretary or relevant public authority.	Not Triggered	There have been no written requirements of the Secretary received in relation to the incidents notified under condition A44.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
A47	If an incident occurs or if statutory notification is given to the EPA as required under the Protection of the Environment Operations Act 1997 in relation to the CSSI, such notification must also be provided to the Secretary within 24 hours after the notification was given to the EPA.	Conformant	During the reporting period, the following incidents were reported to the EPA and DPIE in accordance with the requirements of this condition: Alfred Street water main impact (23-Sep-21,PLR-PLR1INF-TFNSW-DOP-CORR-000030) and Hainsworth Water Meter Valve Cover (18-Jan-22, PLR-PLR1INF-TFNSW-DOP-CORR-000031).
B5	The Community Communication Strategy, as approved by the Secretary, must be implemented for the duration of the works and for 12 months following the completion of construction of the CSSI.	Conformant	The Stage 2, Package 4 Infrastructure Works prepared a Communication and Engagement Plan (PLR1INF-CPBD-ALL-CY-PLN-000001) to implement the Condition B2 Community Communication Strategy. The plan was not rejected by TfNSW on 11 October 2019. The plan was revised during the previous reporting period with the current version being Rev 5 (31-Aug-2020).
B6	A Complaints Management System must be prepared before the commencement of any works in respect of the CSSI and be implemented and maintained for the duration of construction and for a minimum 12 months following completion of construction of the CSSI.	Conformant	Refer to TfNSW obligations register for compliance details. The complaints management system is included within the CCS (PLR-TFNSW-CBD-PE-PLN-000001). The Complaints Register is maintained by TfNSW with complaints and additional detail provided daily by the Package 4 communication team.





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
B8	The telephone number, postal address and email address required under Condition B7 of this approval must be published in a newspaper circulating in the local area and on-site hoarding at each construction site before commencement of construction and published in the same way again before the commencement of operation. This information must also be provided on the website required under Condition B11 of this approval.	Conformant	The following contract information is available on the Parramatta Light Rail Project Website ( <a href="http://www.parramattalightrail.nsw.gov.au/contact">http://www.parramattalightrail.nsw.gov.au/contact</a> ) and the construction site hoarding. Refer to the TfNSW Obligations Matrix for evidence of the newspaper notice.
B9	A Complaints Register must be maintained to record information on all complaints received about the CSSI during the carrying out of any works for the purposes of the CSSI and for a minimum of 12 months following the completion of construction. The Complaints Register must record the: (a) number of complaints received; (b) number of people affected in relation to a complaint; (c) means by which the complaint was addressed and whether resolution was reached, with or without mediation.	Conformant	A Complaints Register is being maintained by Parramatta Connect to record information on all complaints received about the Infrastructure Works. A total of 120 complaints were received during the reporting period associated with the Infrastructure Works. This is based on the register provided daily to TfNSW [PLR Complaints Register_YYYY.xlsx].
B10	The Complaints Register must be provided to the Secretary upon request, within the timeframe stated in the request.	Not Triggered	The requirements of this condition were not triggered by the Infrastructure Works during the reporting period.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
B11	<p>A website providing information in relation to the CSSI must be established before commencement of works and maintained for the duration of construction, and for a minimum of 24 months following the completion of construction. Up-to-date information (excluding confidential commercial information) must be published before the relevant works commence, and maintained on the website or dedicated pages including:</p> <ul style="list-style-type: none"><li>(a) information on the current implementation status of the CSSI;</li><li>(b) a copy of the documents listed in <b>Condition A1</b> and <b>Condition A2</b> of this approval, and any documentation relating to any modifications made to the CSSI or the terms of this approval;</li><li>(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 terms), and copies of any approval granted by the Minister to a modification of the terms of this approval;</li><li>(d) a copy of each statutory approval, licence or permit required and obtained in relation to the CSSI;</li><li>(e) a current copy of each approved document required under the terms of this approval and any endorsements, approvals or requirements from the ER, AA and Secretary, all of which must be published before the commencement of any works to which they relate or before their implementation as the case may be; and</li><li>(f) a copy of the compliance reports required under <b>Condition A30</b> of this approval.</li></ul> <p>Information relating solely to construction may be removed from the website 12 months following the completion of construction.</p>	Conformant	Refer to the TfNSW obligations matrix.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
C8	<p>Construction must not commence until the <b>CEMP</b> and any <b>CEMP Sub-plan</b> specified in <b>Condition C3</b> have been submitted to or approved by the Secretary. The <b>CEMP</b> and <b>CEMP Sub-plans</b>, submitted to or approved by the Secretary, including any minor amendments approved by the ER must be implemented for the duration of construction. Where construction of the CSSI is staged, construction of a stage must not commence until the <b>CEMP</b> and <b>Sub-plans</b> for that stage have been submitted to or approved by the Secretary.</p> <p>Note: the requirement to submit or have a <b>CEMP</b> or <b>CEMP Sub-plan</b> approved is specified in Condition C3.</p>	Conformant	The CEMP (Rev 12) was endorsed by the ER on 8-11-19 and approved by the Secretary on the 21-11-19; construction commenced thereafter.
C11	<p>The noise and vibration monitoring data collected during monitoring required by Condition C9 must be available to the Proponent, ER, AA, Relevant Council(s) and the community to inform construction scheduling, the level of impacts and whether additional mitigation is required. The Department must also be provided access to this data if specifically requested.</p>	Conformant	<p>A monthly Environmental Monitoring Report has been prepared from July 2019 outlining the results of the environmental monitoring completed each month. The reports have been issued to TfNSW, the ER, AA, City of Parramatta Council, Cumberland Council, HAC, ATC, EPA and DPI Water. In addition, Environmental Monitoring Reports are publicly available on CPB's project website (<a href="https://www.cpbcon.com.au/en/our-projects/2018/building-parramatta-light-rail">https://www.cpbcon.com.au/en/our-projects/2018/building-parramatta-light-rail</a>). There were no requests received from DPIE during the reporting period in relation to this condition.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
C15	<p>The Construction Monitoring Programs, as submitted to the Secretary 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 Secretary, whichever is the greater.</p>	Conformant	<p>The Construction Monitoring Programs (C9) were implemented following submission to the Secretary and confirmation of no further comments on 21-Nov-19. Summaries of the monitoring are reported in the monthly Environmental Monitoring Reports. Minor amendments to the Construction Monitoring Programs (C9) occurred as part of the annual CEMP review and were a submitted to the Secretary on 23-Dec-21. The results of the monitoring program obtained during the reporting period were detailed in (a) Monthly Environmental Monitoring Reports and (b) Construction Compliance Reports (summaries of the monthly monitoring conducted by TfNSW and Ecosure).</p>
C16	<p>The results of the Construction Monitoring Programs must be submitted to the Secretary, and relevant regulatory agencies, for information in the form of a Construction Monitoring Report at the frequency identified in the relevant Construction Monitoring Program.</p>	Conformant	<p>During the reporting period, Monthly Environmental Monitoring Reports were submitted to the nominated agencies as follows: -Aug-21 (PLR1INF-CPBD-ALL-EN-RPT-000021), Sept-21 (PLR1INF-CPBD-ALL-EN-RPT-000022), Oct-21 (PLR-PLR1INF-CPBD-APP-CORR-001992), Nov-21 (PLR-PLR1INF-CPBD-APP-CORR-002070), Dec-21 (PLR-PLR1INF-CPBD-APP-CORR-002154) and Jan-22 (PLR-PLR1INF-CPBD-APP-CORR-002223). In accordance with the CEMP, the Annual Environmental Monitoring Report was submitted to the Secretary on 20-Jan-22 (PLRM-TFNSW-DOP-TX-000128).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
C18	<p>Before establishment of any construction ancillary facility as identified in the EIS and SPIR (and excluding minor construction ancillary facilities), the Proponent must prepare a <b>Site Establishment Management Plan</b> which outlines the environmental management practices and procedures to be implemented for the establishment of the construction ancillary facilities. The <b>Site Establishment Management Plan</b> must be prepared in consultation with the relevant council(s) and relevant government authorities. The Plan must be submitted to the Secretary for approval one (1) month before establishment of any construction ancillary facilities. The <b>Site Establishment Management Plan</b> must detail the management of the construction ancillary facilities and include:</p> <ul style="list-style-type: none"> <li>(a) a description of activities to be undertaken during establishment of the construction ancillary facility (including scheduling and duration of works to be undertaken at the site);</li> <li>(b) figures illustrating the proposed operational site layout(s);</li> <li>(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 works;</li> <li>(d) details of how the site establishment activities described in subsection (a) of this condition will be carried out to:               <ul style="list-style-type: none"> <li>i) meet the performance outcomes stated in the documents listed in the documents identified Condition A1,</li> <li>ii) to address traffic, pedestrian access and amenity around each site, and</li> <li>iii) manage the risks identified in the risk analysis undertaken in subsection (c) of this condition; and</li> </ul> </li> <li>(e) a program for monitoring the performance outcomes, including a program for construction noise monitoring consistent with the requirements of <b>Conditions C9</b> and <b>C11</b>.</li> </ul> <p>Nothing in this condition prevents the Proponent from preparing individual <b>Site Establishment Management Plans</b> for each construction ancillary facility.</p>	Conformant	<p>The Site Establishment Management Plan (SEMP) was endorsed by the ER and approved by the Secretary on 21 November 2019. Following the addition of the O'Connell Street Ancillary Facility, the SEMP was revised during the Feb-20 to July-20 reporting period. DPIE approved the revised SEMP (Rev 11) on 15-Sept 2020. Monitoring of performance outcomes is demonstrated through the Monthly Environmental Monitoring Reports (refer to CoA C16)</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
C19	Boundary fencing that incorporates screening must be erected around all construction ancillary facilities that are adjacent to sensitive receivers for the duration of site establishment and construction of the CSSI unless otherwise agreed with Relevant Council(s), affected residents, business operators and/or landowners and in accordance with Condition B2(b).	Conformant	This requirement has been included in the Site Establishment Management Plan (CoA C18) in as mitigation measure SE34. There were no non-compliances reported during the reporting period.
C20	Boundary screening required under Condition C19 of this approval must reduce visual, noise and air quality impacts on adjacent sensitive receivers.	Conformant	This requirement has been included in the Site Establishment Management Plan (CoA C18) in as mitigation measure SE35. The application of boundary screening including hoarding where required was being implemented during the reporting period in accordance with relevant CNVISs.
C21	All construction spoil haulage vehicles, and construction plant must be clearly marked as being for the CSSI in such a manner to enable immediate identification within at least 50 metres of the vehicles and plant.	Conformant	Construction spoil haulage vehicles, and construction plant for the PLR Package 4 works have signage that enable immediate identification within at least 50 metres of the vehicles and plant. During the reporting period, signage continued to be provided to sub-contractors, formal correspondence was sent to nominated sub-contractors and compliance was assessed through regular inspections. There were no non-compliances during the reporting period.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E1	<p>The CSSI must be designed, constructed and operated so that it does not adversely impact network connectivity, or the safety and efficiency of the transport system near the CSSI in a manner which is consistent with the impacts predicted in the documents referred to in Condition A1.</p>	Conformant	<p>The Infrastructure Works will be designed and constructed to ensure adverse impacts to network connectivity and the safety and efficiency of the transport system are effectively mitigated. Predicted impacts of the Infrastructure Works are outlined in The Traffic, Transport and Access Management Sub-plan (CoA C3a), Section 5 and the management of these impacts is outlined in Section 6. These measures will be implemented during pre-construction and construction phases of the Infrastructure Works. There were no reported adverse impacts to network connectivity, or the safety and efficiency of the transport system in the reporting period.</p>
E2	<p>In relation to new or modified road, parking, pedestrian and cycle infrastructure, the CSSI must be designed:</p> <ul style="list-style-type: none"><li>(a) in consultation with the relevant road authority;</li><li>(b) in consideration of existing and future demand, road safety and traffic network impacts;</li><li>(c) to meet relevant design, engineering and safety guidelines, including Austroads Guides; and</li><li>(d) is certified by an appropriately qualified and experienced person that the above matters have been appropriately considered.</li></ul>	Conformant	<p>The requirements of this condition are addressed in the relevant design packages including: Project Wide - 0190 - Traffic Modelling Report, Section 1 - 1510 - Road Alignment, Section 1 - 1515 - Road Furniture, Section 2 - 2510 - Road Alignment, Section 2 - 2515 - Road Furniture, Section 3 - 3510 - Road Alignment, Section 3 - 3515 - Road Furniture. These design packages are currently at DDR or AFC stage. Through the design review process, all of the above design packages were provided to the relevant road authority (CoPC and RMS) for review and comment.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E3	<p>An independent Road Safety Audit(s) must be undertaken by an appropriately qualified and experienced person in accordance with Guidelines for Road Safety Audit Practices (RTA, 2011), to assess the safety performance of any new or modified local road, parking, pedestrian and cycle infrastructure provided as part of the CSSI (including ancillary facilities) to ensure that the requirements of Condition E2 are met. Audit findings and recommendations must be actioned and must be made available to the Secretary on request.</p>	Conformant	<p>PCPLR has engaged an appropriately qualified and experienced independent Road Safety Auditor. Road Safety Audits are being conducted to assess the safety of infrastructure and the safety performance of any new or modified local road, parking, pedestrian and cycle infrastructure. Audit protocols are outlined in Section 6.12 of the Traffic, Transport and Access Management Sub-plan (CoA C3a). The Pre-Construction Road Safety Audits have been finalised for each section of the alignment as follows: Section 1 (PLR1INF-BECA-ALL-SF-RPT-000001), Section 2 (PLR1INF-BECA-ALL-SF-RPT-000002), Section 3 (PLR1INF-BECA-ALL-SF-RPT-000003). In addition, independent road safety audits are undertaken after every major TMP implementation. The audit findings are issued to the construction team and the actions are tracked and closed as part of the implementation process. On completion of construction, a final independent Road Safety Audit will be prepared for each Portion.</p>
E4	<p>Where bus stops are required to be temporarily closed or relocated, such closure must not occur until bus stops of equivalent capacity, of comparable stop type and which meet accessibility standards (where practicable), are relocated within 400 metres walking distance of the existing bus stop and are operating, unless agreed otherwise with the Relevant Council(s) and bus services provider(s). Closure and relocation of bus stops during construction must be undertaken in consultation with the relevant bus service providers and relevant council(s). Wayfinding signage must be provided to direct commuters to relocated bus stops.</p>	Conformant	<p>Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.7. Where possible, existing bus facilities have been maintained. However where this cannot be achieved, equivalent temporary facilities have been provided. All temporary facilities have been developed and constructed in accordance with the RMS, Council/s, and TfNSW requirements. All proposed changes to existing routes and bus stops facilities have been and will continue to be discussed with the bus operator, Council(s) and the road authority (CJP), prior to the commencement of works, and notifications provided to passengers. In addition, all bus relocations/closures are captured within the site specific TMPs. There were no bus stops relocated during the reporting period.</p>





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E5	<p>Construction vehicles (including staff vehicles) associated with the CSSI must:</p> <ul style="list-style-type: none"> <li>(a) minimise parking or queuing on public roads and utilise the light rail corridor for construction vehicle and staff movements to the greatest extent practicable;</li> <li>(b) not idle or queue in local residential streets;</li> <li>(c) minimise use of routes on local roads that directly pass schools or childcare centres, or where no alternative route is available, restrict heavy vehicle movements between 8:00am and 9:30am and between 2:30pm and 4:00pm Monday to Friday, during the school term;</li> <li>(d) not use local roads (including residential streets) to gain access to construction sites and compounds unless no alternatives are available. Construction sites must be accessed from arterial roads and the rail corridor used for transportation of construction materials and the like to work sites to the greatest extent practicable; and</li> <li>(e) adhere to the nominated haulage routes identified in the Construction Traffic, Transport and Access Management Plan required under Condition C3.</li> </ul>	Non-Conformant	<p>Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.7 and reflected in ECMs. In addition, these requirements have been managed during construction through the development of Vehicle Movement Plans (VMP). During the reporting period, the requirements of this condition were reflected in ECMs and Toolbox Talks. During the reporting period, a non-compliance (INX 245871) was raised in response to a heavy vehicle which used a local street (Trott Street) on 21 September 2021. Trott Street is prohibited for use by heavy vehicles. The Department of Planning, Industry and Environment advised that a breach has been recorded in response to the non-compliance.</p>
E6	<p>Current condition reports for all existing roads and all existing property and infrastructure in the road reserve where the physical condition is likely to be adversely affected during work must be prepared before commencement of such work. The report must state the current condition of the asset. A copy of the report must be provided to the asset owner no later than one month before the commencement of works of the CSSI.</p>	Conformant	<p>Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.11. The Current Condition Reports have been completed for Package 4 works and were issued to Stakeholders on the 5 August 2019 (refer PLRM-CPBD-TFNSW-TX-000163). During the reporting period, condition reports were prepared and issued to Stakeholders in accordance with this condition.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E7	<p>If damage occurs to any item outlined in <b>Condition E6</b> resulting from the works, aside from that resulting from normal wear and tear, the Proponent must either (at the asset owner's discretion):</p> <p>(a) compensate the asset owner for the damage so caused. The amount of compensation may be agreed with the asset owner, but compensation must be paid even if no agreement is reached; or</p> <p>(b) rectify the damage so as to restore the item to at least the condition it was in pre-works. Any repairs must be completed before the commencement of CSSI operations.</p>	Not Triggered	Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.11. This condition has not been triggered to date.
E8	<p>The Proponent must maintain access to all properties during construction and operation, unless otherwise agreed by the relevant property owner or occupier, and reinstate any access physically affected by the CSSI to at least an equivalent standard at no cost to the property owner, unless otherwise agreed with the property owner. The Proponent must provide copies of plans to the Secretary on request.</p>	Conformant	Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.9.1. Local Access Plans are prepared prior to commencement of works for individual properties and access points that will be impacted by the construction works. These plans have been developed in consultation with affected parties (property owner and/or occupier, local community and stakeholders, as relevant) and reasonable endeavours are undertaken to obtain agreement from the relevant affected parties. No Secretary requests have been received in the reporting period.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E9	<p>Access plans must be prepared and implemented for individual properties and accesses that will be impacted by construction and operation of the CSSI. The access plans must be developed in consultation with affected parties (property owner and/or occupier, as relevant) and the Proponent must make reasonable endeavours to obtain agreement from the relevant affected parties, and evidence of consultation demonstrating this must be provided to the Secretary on request. The access plans must establish:</p> <ul style="list-style-type: none"><li>(a) road and access closures and provision of alternative routes;</li><li>(b) provision for pedestrian and cyclist access;</li><li>(c) special event strategies;</li><li>(d) provision of servicing and delivery requirements for loading zones and waste disposal;</li><li>(e) access periods or alternative access arrangements for businesses, landowners or tenants affected by the CSSI;</li><li>(f) strategies to maintain emergency and incident response access at all times;</li><li>(g) potential future access strategies for the Westmead Hospital and Westmead Railway Station; and</li><li>(h) access to taxi ranks and loading zones.</li></ul> <p>If access is not deemed to be adequate by the property owner and/or occupier and a dispute ensues, procedures and mechanisms must be followed in accordance with <b>Condition B2</b>.</p>	Conformant	Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.9.1. During the reporting period, Local Access Plans were prepared prior to commencement of works for individual properties and access points that will be impacted by the construction works. These plans were developed in consultation with affected parties (property owner and/or occupier, local community and stakeholders, as relevant) and reasonable endeavours were undertaken to obtain agreement from the relevant affected parties.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E10	<p>The Proponent must prepare and implement a <b>Network Management Strategy</b> for construction of the CSSI, in consultation with RMS, Sydney Coordination Office and Relevant Council(s) before impacts on the road network (including intersections) occur. The Strategy must determine appropriate measures to manage impacts to traffic identified in the documents listed in <b>Condition A1</b>, and must include:</p> <ul style="list-style-type: none"><li>(a) details of impacts to the network from road closures, directional changes, night works and traffic diversions;</li><li>(b) details of further appropriate network/intersection modelling and analysis undertaken since the EIS and/or Submissions Report was prepared;</li><li>(c) consideration of cumulative impacts from other construction projects;</li><li>(d) details of the required intersection upgrades and traffic management measures by precinct to minimise the impacts identified above;</li><li>(e) vehicular access changes;</li><li>(f) special event management; and</li><li>(g) changes to bus services.</li></ul> <p>The Strategy must focus on the management of construction related traffic impacts and be provided to the Secretary for information before construction commences.</p>	Conformant	<p>A project wide Network Management Strategy was prepared by TfNSW and submitted to the Secretary for information on 11-Jan-19. The Strategy was prepared in consultation with RMS, SCO and City of Parramatta Council in accordance with Condition A5. In accordance with the Network Management Strategy, the Infrastructure Package is required to develop Network Management Plans to manage traffic during construction. The Network Management Plans are incorporated into the construction Traffic Control Plans (TCPs).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E11	<p>A <b>Parking Management Strategy</b> must be prepared before permanent or long term loss of parking i.e. greater than three (3) months. The Strategy must be implemented in consultation with the relevant road authority and Relevant Council(s) to manage car parking impacts and kerbside parking access, particularly for the Westmead, Parramatta North, and Parramatta CBD precincts, as a result of the CSSI. The <b>Parking Management Strategy</b> must include, but not be limited to:</p> <ul style="list-style-type: none"> <li>(a) confirmation of the timing of the removal of on and off-street parking associated with the construction of the CSSI;</li> <li>(b) comprehensive parking surveys of all parking spaces to be removed to determine current demand during peak, off-peak, school drop-off and pick-up, and weekend periods;</li> <li>(c) assessment of the impacts of changes to on and off-street parking taking into consideration outcomes of consultation with affected stakeholders;</li> <li>(d) identification of measures to manage any reduction in parking including staged removal, resident parking schemes, managed staff parking arrangements, and provision of alternative parking arrangements for accessible and service spaces;</li> <li>(e) replacement parking for specific impacted kerbside uses (e.g. accessible parking and loading zones) within the local vicinity with consideration of the <i>Disability Discrimination Act 1992 (DDA) Public Transport Standards and the DDA Access Code (2010)</i>; and</li> <li>(f) monitoring on the efficacy of these measures, including potential unintended traffic impacts and contingencies in the event that the measures implemented are not adequate.</li> </ul> <p>The <b>Parking Management Strategy</b> must be submitted to the Secretary for information and the results of monitoring reported in the <b>Operational Traffic, Transport and Access Performance Review</b> required by <b>Condition E18</b>.</p>	Conformant	<p>Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.8. The Parking Management Strategy for Package 4 has been submitted to DPIE for information. Section 3 (O'Connell Street Enabling Works (Package 1), George Street Enabling Works (Package 1), Hawkesbury Road Widening Works (Package 2: Activity A), Carlingford Precinct, T6 bus service impacts (Package 4), Grand Ave North, utility works impacts (Package 4)) was endorsed by ER on 18/10/2019 and has been submitted to the Secretary for information. Section 1 and 2 was endorsed by the ER on the 16th January 2020 and subsequently submitted to DPIE for information. Implementation of the parking management strategy is demonstrated in relevant site specific TMPs that are reviewed by CoPC and the Road Authority prior to the TMP implementation (refer to Macquarie St Phase 1). Monitoring on the efficacy of the Parking Management Strategy measures occurs through the TMP revision process. Prior to the transition to a new stage of construction, the TMP is revised and reviewed by nominated internal and external stakeholders. This process includes an assessment of the Parking Management Strategy requirements (detailed in Section 3).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E12	Safe pedestrian and cyclist access must be maintained around work sites during construction. In circumstances where pedestrian and cyclist access is restricted or removed due to construction activities, an alternate equivalent route which complies with the relevant standards must be provided and signposted.	Conformant	Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.6, 6.9 and 6.12. Pedestrian and cycling access has been maintained during the Infrastructure Works. Where access is restricted, alternative temporary facilities have been provided in compliance with relevant aspects of Austroads Guide to Road Design and Austroads Guide to Traffic Management. The strategies and design considerations for alternative pedestrian and cyclist routes are outlined in Section 6.6. Section 6.9 outlines the alternative access strategies which are reflected in Traffic Management Plans. Assurance is provided through road safety audits which have been conducted during the design and construction phase of the Infrastructure Works (Section 6.12). No issues have been identified with safe pedestrian access during the reporting period.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E14	<p>A <b>Pedestrian and Cyclist Network and Facilities Strategy</b> must be prepared in consultation with Relevant Council(s), RMS, Pedestrian Council of Australia and Bicycle NSW. The Strategy must identify safe and accessible pedestrian and cycle paths, during construction and operation, including facilitation of future cycle paths and dedicated cycleways as identified in the documents listed in <b>Condition A1</b>, state and local government plans, with the objective of providing seamless, coherent, visible, and safe pedestrian and cycle access throughout and adjacent to the CSSI corridor. The Strategy must consider:</p> <ul style="list-style-type: none"> <li>(a) existing and proposed local and regional pedestrian and cycle facilities and strategies;</li> <li>(b) safety for pedestrians in pedestrianised zones;</li> <li>(c) alternative cycle routes during construction, based on safety and efficiency, and contingencies in the event that relocated routes are found to be inadequate;</li> <li>(d) pedestrian and cycle access, including local and regional pedestrian and bicycle connections;</li> <li>(e) demand for pedestrian and cycle facilities with consideration of measures to encourage an increased pedestrian and cycle mode share;</li> <li>(f) signage and way finding;</li> <li>(g) cycle storage facilities on light rail vehicles; and</li> <li>(h) the requirements of relevant design standards, including Austroads and NSW bicycle guidelines.</li> </ul> <p>The <b>Pedestrian and Cyclist Network and Facilities Strategy</b> must be submitted to the Secretary before construction of pedestrian/cyclist permanent built works (including the Active Transport Link) commences and implemented to ensure that all works are operational no later than the commencement of CSSI operations.</p>	Conformant	<p>The Pedestrian and Cyclist Network Facilities Strategy (Rev 12) was submitted to DPIE for information on 18-Dec-20 prior to commencement of construction of permanent pedestrian/cyclist infrastructure. Correspondence received from DPIE on 13-Jan-21 noted that the Strategy contains the information required by the conditions of approval and has been endorsed by the ER. The strategy was developed in consultation with Council(s), RMS, Pedestrian Council of Australia and Bicycle NSW. Implementation is demonstrated through the Road Furniture design drawings (1515 Section 1 Road Furniture, 2515 Section 2 Road Furniture and 3515 Section 3 Road Furniture). During the reporting period, the Active Transport Link was completed between Tramway Avenue Stop and Carlingford. On 5-Jul-21, TfNSW advised the IC that all matters associated with the Pedestrian and Cyclist Network and Facilities Strategy, including Factory Street, were considered to be closed (PLR-PLR1INF-TFNSW-APP-CORR-000214 - refer to E14-7).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E15	The Proponent must maintain emergency vehicle access, in consultation with emergency services and NSW Health, to Westmead Hospital (along Hawkesbury Road) and between the two parts of the Cumberland Hospital site as long as patients continue to be located at each facility at all times throughout the life of the CSSI. Measures must be outlined in the relevant access plan required under Condition E9.	Conformant	Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.9.3. During the reporting period, access for emergency vehicles was documented in TMPs (where not impacted) or Local Access Plans (where impacted). As evidenced in TMPs, consultation with emergency services and NSW Health continued to be undertaken during the reporting period to ensure emergency vehicle access was maintained between the two parts of the Cumberland hospital and Westmead Hospital. No issues identified in the reporting period.





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E16	During works, the Proponent must ensure all practicable measures are implemented to maintain pedestrian and vehicular access to, and parking near, businesses and affected properties.	Conformant	Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.9 and 6.10.3. Local Access Plans (LAPs) continue to be developed to ensure all practical measures are implemented to maintain access to businesses.as outlined in Section 6.9. The Traffic Manager engaged with the Stakeholder and Community Liaison Manager as per the Community and Engagement Management Plan and supports the Business Activation Plan (Section 6.10.3) where required. During the reporting period, the requirements of this condition have been captured in ECMs, periodic toolbox talks, and ongoing consultation with businesses.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E17	<p>Alternative pedestrian and vehicular access, and servicing arrangements must be developed in consultation with affected businesses and implemented before the disruption. Adequate wayfinding to businesses must be provided before, and for the duration of, any disruption in consultation with the Relevant Council(s) and/or road authority and as outlined in the Business Activation Plan required by <b>Condition E110</b>. The Proponent must make reasonable endeavours to obtain agreement from the relevant affected parties, and evidence of consultation demonstrating this must be provided to the Secretary on request.</p> <p>If access is not deemed to be adequate by the affected business and a dispute ensues, procedures and mechanisms must be followed in accordance with <b>Condition B2</b>.</p>	Conformant	<p>Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.9 and 6.10.3. Consultation with businesses that will be impacted by construction is undertaken in advance of scheduled disruptions. This consultation ensures alternative pedestrian and vehicular access is provided with adequate wayfinding to businesses. Where access is impacted, a Local Access Plan is prepared in consultation with businesses. There were no matters of non-compliance identified during the reporting period.</p>
E20	<p>A detailed land use survey must be undertaken to confirm sensitive receivers (including critical working areas such as operating theatres, precision laboratories housing sensitive equipment and drama theatres) potentially exposed to construction noise and vibration, construction ground-borne noise and operational noise and vibration. The survey may be undertaken on a progressive basis but must be undertaken in any one area before the commencement of works which generate construction or operational noise, vibration or ground-borne noise in that area. The results of the survey must be used to develop the Noise and Vibration Management Sub-Plan required by Condition C3 and Construction Noise and Vibration Impact Statements required by Condition E42.</p>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 12.3.1 and Appendix B. The detailed Land Use Survey has been completed and included in Appendix B of the Noise and Vibration Management Sub-plan (CoA C3b). The Land Use Survey was endorsed by the AA on 4 December 2019. The detailed Land Use Survey supported the development of CNVIS required by CoA E42.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E21	<p>Works must be undertaken during the following hours:</p> <ul style="list-style-type: none"> <li>(a) 7:00am to 6:00pm Mondays to Fridays, inclusive;</li> <li>(b) 8:00am to 12:00pm Saturdays; and</li> <li>(c) at no time on Sundays or public holidays.</li> </ul>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 5.1 and reflected in ECMs. There were no matters of non-compliance identified or raised during the reporting period. It is noted that the Environmental Planning and Assessment (COVID-19 Development - Infrastructure Construction Work Days) Order 2020 was extended by DPIE during the reporting period. Construction works have been undertaken in compliance with the extended hours permitted under the Order as evidenced by ECMs and OOHW Permits.</p>
E22	<p>Notwithstanding <b>Condition E21</b>, and with the exception of 'Eat Street', works may be undertaken during the following hours:</p> <ul style="list-style-type: none"> <li>(a) 6:00pm to 7:00pm Mondays to Fridays, inclusive; and</li> <li>(b) 12:00pm to 6:00pm Saturdays.</li> </ul>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 5.1 and ECMs (where relevant). It is noted that the Environmental Planning and Assessment (COVID-19 Development - Infrastructure Construction Work Days) Order 2020 was extended by DPIE during the reporting period. Construction works have been undertaken in compliance with the extended hours permitted under the Order as evidenced by ECMs and OOHW Permits.</p>
E23	<p>Notwithstanding Condition E21, works may be undertaken in the Camellia and Rosehill precincts (east of James Ruse Drive) and the Carlingford precinct (from Parramatta River to Victoria Road) 24 hours a day, seven days a week provided that sensitive receivers are not affected by noise levels of greater than 5 dBA above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009), between 10.00pm and 7.00am.</p>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 5.2 and ECMs (where relevant).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E24	Construction outside the hours identified in Condition E21 along 'Eat Street' must be established through consultation with affected businesses as outlined in the Business Activation Plan required by Condition E110.	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 5.2. Consultation was completed with the businesses in Eat Street during the reporting period in accordance with the Business Activation Plan and a further agreement has been achieved with the Business Reference Group.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E25	<p>Works may be undertaken outside of the hours defined in <b>Conditions E21 to E22</b>, as applicable, but only if one or more of the following applies:</p> <ul style="list-style-type: none"><li>(a) for the delivery of materials required by the NSW Police Force or other authority for safety reasons; or</li><li>(b) 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; or</li><li>(c) where different hours of works are permitted or required under an EPL in force in respect of the CSSI; or</li><li>(d) works approved under an <b>Out-of-Hours Work Protocol</b> for works not subject to an EPL; or</li><li>(e) construction that causes LAeq(15 minute) noise levels:<ul style="list-style-type: none"><li>i) no more than 5 dB(A) above the rating background level at any residence in accordance with the <i>Interim Construction Noise Guideline (DECC, 2009)</i>, and</li><li>ii) no more than the 'Noise affected' noise management levels specified in Table 3 of the <i>Interim Construction Noise Guideline (DECC, 2009)</i> at other sensitive land uses, and</li><li>iii) no more than 15dBA above the night-time rating background level at any residence during the night time period, when measured using the LA1(1 minute) noise descriptor, and</li><li>iv) continuous or impulsive vibration values, measured at the most affected residence are no more than the maximum values for human exposure to vibration, specified in Table 2.2 of <i>Assessing Vibration: a technical guideline (DEC, 2006)</i>, and</li><li>v) intermittent vibration values measured at the most affected residence are no more than the maximum values for human exposure to vibration, specified in Table 2.4 of <i>Assessing Vibration: a technical guideline (DEC, 2006)</i>.</li></ul></li></ul>	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 5.2 and implemented through Out of Hours Works Permits. An EPL (21347) was issued to CPB Construction on 3-01-20 for Railway activities - railway infrastructure construction, and as such, the Out of Hours Works Protocol is not longer applicable.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E26	<p>On becoming aware of the need for emergency construction works, the Proponent must notify the ER of the need for those activities or works. The Proponent must also use best endeavours to notify all affected sensitive receivers of the likely impact and duration of those works.</p>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 10.7 and the Out of Hours Works Protocol required by E28. During the reporting period, emergency works occurred on 20-Aug-21 and 23-Sept-21 due to ruptured water mains. On both dates, the events were notified to the ER, EPA and DPIE.</p>
E27	<p>Except as permitted by an EPL, or through the Out-of-Hours Work Protocol, Highly Noise Intensive Works that result in an exceedance of the applicable NML at the same sensitive receiver must only be undertaken:</p> <ul style="list-style-type: none"> <li>(a) between the hours of 8:00 am to 6:00 pm Monday to Friday;</li> <li>(b) between the hours of 8:00 am to 1:00 pm Saturday; and</li> <li>(c) in continuous blocks not exceeding three (3) hours each with a minimum respite from those activities and works of not less than one (1) hour between each block.</li> </ul> <p>For the purposes of this condition, 'continuous' includes any period during which there is less than a one (1) hour respite between ceasing and recommencing any of the work that are the subject of this condition.</p> <p>Note: A trial period of the Highly Noise Intensive Work undertaken with the approval of the Out of Hours Work Protocol may be established.</p>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 5 and 9.1 and implemented through ECMs and Out of Hours Works Permits. An EPL (21347) was issued to CPB Construction on 3-01-20 for Railway activities - railway infrastructure construction. The EPL includes conditions permit works to be undertaken outside of the approved working hours that are substantially consistent with the Planning Approval including respite periods. During the reporting period, compliance was demonstrated through AA inspections, EPA inspections, ER inspections and ECMs.</p>

ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E29	<p>Out-of-hours works that may be regulated through an EPL or the <b>Out of Hours Work Protocol</b> as per <b>Condition E28</b> include, but are not limited to:</p> <p>(a) carrying out works that during standard hours would result in a high risk to construction personnel or public safety, based on a risk assessment carried out in accordance with AS/NZS ISO 31000:2009 "Risk Management"; or</p> <p>(b) the relevant road authority has advised the Proponent in writing that carrying out the works and activities during standard hours would result in a high risk to road network operational performance and a road occupancy licence will not be issued; or</p> <p>(c) the relevant utility service operator has advised the Proponent in writing that carrying out the works and activities during standard hours would result in a high risk to the operation and integrity of the utility network; or</p> <p>(d) where the TfNSW Transport Management Centre (or other road authority) has advised the Proponent in writing that a road occupancy licence is required and will not be issued for the works or activities during the hours specified in Condition E21 and Condition E22; or</p> <p>(e) where Sydney Trains (or other rail authority) has advised the Proponent in writing that a Rail Possession is required.</p>	Conformant	An EPL (21347) was issued to CPB Construction on 3-01-20 for Railway activities - railway infrastructure construction. Out of hours works during the reporting period were managed in accordance with the EPL as demonstrated by OOHW Permits.
E30	<p>Mitigation measures must be applied to construction activities that are predicted to result in the following residential ground-borne noise levels being exceeded as a result of the CSSI:</p> <p>(a) Evening (6.00pm to 10.00pm) – internal <math>L_{Aeq(15\text{ minute})}</math>: 40 dBA; and</p> <p>(b) Night (10.00pm to 7.00am) – internal <math>L_{Aeq(15\text{ minute})}</math>: 35 dBA.</p> <p>The mitigation measures must be outlined in the <b>Construction Noise and Vibration Management Sub-Plan</b> and the <b>Out of Hours Works Protocol</b>.</p>	Conformant	Mitigation measures are defined in the Noise and Vibration Management Sub-plan (Table 11-2) and are reflected in CNVIS' and ECMs.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E31	Noise generating works near places of worship, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories, operating theatres, and mental health services and accommodation) must not be timetabled within sensitive periods, unless otherwise agreed with the affected institutions, and at no cost to the affected institution. This must be determined through ongoing consultation with the community during construction.	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b). As detailed in Section 6.2.4, non-residential noise and vibration sensitive receivers will be identified in the Land Use Survey (CoA E20). The predicted construction noise and vibration impacts have been assessed in the CNVIS (CoA E42) for each non-residential noise and vibration sensitive receiver. Any restrictions on timetabling of works identified through consultation (as per CoA E39) are communicated to the Construction Team. Mitigation measures for noise generating works have been included in Table 11-2. A mitigation measure to address noise generating works near places of worship, educational institutions and noise and vibration-sensitive businesses and critical working areas has been included in as mitigation measure NV49. Evidence of compliance is demonstrated in the E39 Consultation report (refer to CoA E39).
E32	The Proponent must consult with proponents or applicants of other State Significant development and infrastructure works near the CSSI and take reasonable steps to coordinate works to minimise cumulative impacts of noise and vibration and maximise respite for affected sensitive receivers.	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 11.4. Consultation is undertaken with proponents or applicants of other State Significant development and infrastructure works near the CSSI to coordinate respite period. The exact nature of the consultation is determined on a case by case basis through the development of a Consultation Action Plan (CAP) in accordance with the JV's Communication and Engagement Plan.





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E33	Construction noise mitigation measures must be implemented in accordance with Tables 4, 5, 6 and 7 of TfNSW's Construction Noise and Vibration Strategy (2018), regardless of the number of sensitive receivers impacted.	Non-Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) as follows: <b>Table 4</b> (Impact Assessment Procedures) - Section 9, <b>Table 5</b> (Standard management measures to reduce construction noise and vibration) - Table 11-2, <b>Table 6</b> (Standard source mitigation measures to reduce construction noise and vibration) - Table 11-2, <b>Table 7</b> (Standard path mitigation measures to reduce construction noise and vibration) - Table 11-2. A non-compliance was raised (INX 246810) on 24-Nov-21 in response to recurring instances where noise blankets were not used to mitigate excessively noisy works. Corrective actions included toolbox talks, formal correspondence to sub-contractors, daily compliance reporting, revision of the Daily Pre-Start Form, and a management briefing.
E34	Piling activities that affect sensitive receivers must be undertaken using quieter alternative methods than impact or percussion piling, such as bored piles or vibrated piles, where practicable.	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 11.5 (mitigation measure NV53) and reflected in ECMs. During the reporting period, vibratory piling was undertaken near the Albion Hotel (Section 2) to enable the upgrade of the drainage system and concrete encasement of the existing sewer. Works were undertaken in accordance with an ECM which was approved by the ER.
E36	The Proponent must provide respite periods for sensitive receivers where any construction activity during the hours specified in Condition E21 results in noise levels that exceed the Highly Noise Affected Level of 75 dB (LAeq,15 minute).	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 11.2. This has been included in Table 11-2 as mitigation measure NV55. Each CNVIS identifies sensitive receivers where construction activity results in noise levels that exceed 75 dB. Respite is provided for all receivers during the hours 11pm-12pm and 3pm-4pm.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E37	<p>Where works are undertaken outside hours specific in Condition E21 and E22 and construction noise levels exceed 65 dB(A) LAeq (15 mins) at the façade of the building of a residential receiver, the Proponent must only work 4 nights in any 7 day period. The 4 nights worked must be informed by community consultation referenced in Condition E39.</p> <p>Outcomes of the community consultation, the identified works and respite periods and the scheduling of the likely out-of-hour works must be provided to the AA, ER and the Secretary for information.</p> <p>Relocation of work following 4 nights of works in any 7 day period must be sufficiently removed so as to provide clear respite of 3 days. Works in areas of respite must be subject to noise levels of no more than 5 dB(A) above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009).</p> <p>The requirements of this condition may be varied with the approval of the Secretary following the Secretary's review of community consultation outcomes, construction noise and vibration impacts and the implementation of noise management and mitigation measures.</p>	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 11.2 and Table 11-2. Implementation throughout the reporting period is demonstrated through ECMs, OOHW Permits (prepared in accordance with EPL 21347) and E37/E39 Consultation Reports which are prepared quarterly and submitted to the ER and AA. Regular notifications regarding out-of-hours work have been sent to the community which includes distribution to DPIE.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E38	<p>All work undertaken for the delivery of the CSSI, including those undertaken by utility contractors, must be coordinated to ensure respite, including the respite required by <b>Condition E37</b>. The Proponent must:</p> <ul style="list-style-type: none"><li>(a) schedule any works to provide respite to impacted noise sensitive receivers so that all respite periods are achieved; or</li><li>(b) consider the provision of alternative mitigation, including the provision of at receiver treatments and alternative accommodation to impacted noise sensitive receivers; and</li><li>(c) provide documentary evidence to the AA in support of any decision made by the Proponent in relation to respite or mitigation.</li></ul>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 9.1, 11.2 and 11.3. (a) Respite has been provided in accordance with E37 (four nights in 7 day period followed by clear respite for 3 days) (Section 11.2 and reflected in ECMs) (b) provision of alternative mitigation, including the provision of at receiver treatments and alternative accommodation to impacted noise sensitive receivers is considered and has been undertaken during the reporting period (c) CNVIS are provided to the AA outlining the decision made by the Proponent in relation to respite or mitigation. Out of Hours Works Permits reflect the outcomes of the CNVIS.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E39	<p>In order to undertake out-of-hours work described in <b>Condition E25(c) and (d)</b>, the Proponent must identify appropriate work and respite periods for the works in consultation with the community at each affected precinct at three monthly intervals. This consultation must be ongoing and include (but not be limited to) providing the community with:</p> <ul style="list-style-type: none"> <li>(a) a schedule of likely out-of-hours work for a period of no less than two (2) months for medium to high risk work (as defined in the Out of Hours Work Protocol (Condition E28));</li> <li>(b) a schedule of likely out-of-hours work for a period of no less than seven (7) days for low risk work (as defined in the Out of Hours Work Protocol (Condition E28)).</li> <li>(c) the potential works, location and duration;</li> <li>(d) the noise characteristics and likely noise levels of the works; and</li> <li>(e) likely mitigation and management measures.</li> </ul> <p>The Proponent shall consider and respond to the affected community's preference for alternative hours and/or durations.</p> <p>The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour works must be provided to the AA, ER and the Secretary.</p>	Conformant	<p>Consultation undertaken in accordance with E37 and E39 is documented in an E39 and E37 Quarterly Community Consultation Report which is submitted to the ER and AA for comment (reports PLR1INF-CPBD-ALL-CG-RPT-000008, and PLR1INF-CPBD-ALL-CG-RPT-000009 were prepared during the reporting period). The outcomes of the consultation are reflected within relevant OOHW Permits and ECMs. It is noted that limited feedback on work and respite period preferences was received from the community as part of the consultation.</p>
E40	<p>The provision of respite periods does not preclude the application of other construction noise management measures, including the provision of at receiver treatments and or alternate accommodation.</p>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 11.2. Implementation is demonstrated through CNVIS', ECMs, OOHW Permits and E37 and E39 Quarterly Consultation Reports (refer to CoA E39).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E41	At no time can noise generated by construction exceed the National Standard for exposure to noise in the occupational environment of an eight-hour equivalent continuous A-weighted sound pressure level of LAeq,8h, of 85dB(A) for any employee working at a location near the CSSI.	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 11.8. Construction noise will not exceed the National Standard for exposure to noise in the occupational environment of an eight-hour equivalent continuous A-weighted sound pressure level of LAeq,8h, of 85dB(A) for any employee working at a location near the Project. This will be ensured through the implemented of mitigation measures in Section 10.8 and ongoing monitoring in accordance with CNVISs. During the reporting period, a number of measures were implemented on Eat Street to ensure compliance including respite periods (one hour following every three hours of HNIW) and the installation of noise barriers around paver cutting stations.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E42	<p><b>Construction Noise and Vibration Impact Statements</b> must be prepared and implemented for each construction site before construction noise and vibration impacts commence and include specific mitigation measures identified through consultation with affected sensitive receivers. Each <b>Construction Noise and Vibration Impact Statement</b> will supplement the <b>Noise and Vibration Management Sub-Plan</b> and must specifically address each of the major construction sites and must include but not be limited to:</p> <ul style="list-style-type: none"> <li>(a) a description of the proposed activities;</li> <li>(b) predicted noise and vibration levels based on background noise levels;</li> <li>(c) examination of alternative methods of construction that would potentially reduce noise and vibration if the potential noise and vibration exceeds the relevant criteria;</li> <li>(d) description and commitment to work practices which limit noise and vibration;</li> <li>(e) description of specific noise and vibration mitigation treatments and time restrictions, including respite periods, duration, and frequency;</li> <li>(f) justification for any activities to be undertaken outside the specified construction hours defined in <b>Conditions E21</b> and <b>E22</b>;</li> <li>(g) internal noise audit systems including recording of daily hours of construction, progressive impact assessments as work proceeds, conducting informal checks by the AA, providing active and communication links to Council and surrounding residents and sensitive receivers;</li> <li>(h) assessment of potential noise from the proposed construction methods including noise from construction vehicles and noise impacts from required traffic diversions;</li> <li>(i) community consultation and notification;</li> <li>(j) all reasonable and feasible measures including adopting the least noisy available construction methods, systems and equipment;</li> <li>(k) additional noise and vibration mitigation measures as negotiated with affected residents and other sensitive receivers.</li> </ul> <p><i>Note: Existing noise levels, pre-construction noise levels, or the like for the purposes of identifying rating background noise levels, noise management levels and construction noise impacts are noise levels that do not include any other construction related noise.</i></p>	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 9.1. Construction Noise and Vibration Impact Statements have been prepared and are currently being implemented. Section 9.1 outlines how CNVISs will be prepared, reviewed and endorsed by the AA.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E43	The Proponent must conduct vibration testing before and 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 monitoring shows that the preferred dose values for vibration are likely to be exceeded, the Proponent must review the construction methodology and, if necessary, implement additional mitigation measures.	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 12.3.4 and Section 12.3.5. Vibration testing is conducted before and during vibration generating activities that have the potential to impact on heritage items. Vibration monitoring requirements (including review of heritage items) are identified in the CNVIS for works activities. Pre-construction and construction monitoring was completed for the Sewage Pumping Station, Dundas Railway Station, Camellia Bridge Abutments, Carlingford Stock Feeds and Duck Creek Bridge (TK528-04-05F02). During the reporting period, extensive vibration testing was undertaken of works that have the potential to impact heritage items.
E44	The Proponent must seek the advice of a heritage specialist on methods and locations for installing equipment used for vibration, movement and noise monitoring of heritage-listed structures.	Conformant	Addressed in the Noise and Vibration Management Sub-plan (CoA C3b). A heritage specialist will be engaged when vibration, movement and noise monitoring of heritage-listed structures will occur, as outlined in Section 11.5 (NV62). This has also been referenced in the Construction Monitoring Program in Section 12.3.6. During the Infrastructure Works, advice was sought from GML on methods and locations for installing vibration monitors at numerous heritage-listed structures, including Lennox Bridge, Royal Oak Stables, Dundas Station, Camellia Bridge and Barrack Lane.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E45	<p>Before commencement of any construction, and with the agreement of the landowner, a structural engineer must undertake building condition surveys of all buildings identified in the documents listed in <b>Condition A1</b> as being at risk of damage. The results of the surveys must be documented in a Building Condition Survey Report for each building surveyed. Copies of <b>Building Condition Survey Reports</b> must be provided to the landowners of the buildings surveyed, and if agreed by the landowner, the relevant Council within three weeks of completing the surveys and no later than one month before the commencement of construction.</p>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 12.3.2. The Building Pre-Construction Condition Surveys program has been finalised. Reports have been completed for all properties that accepted PCPLR's offer to undertake the survey. All completed reports have been provided to landowners, however none of the property owners agreed to provide their reports to the Council.</p>
E46	<p>After completion of construction and with the agreement of the landowner, Building Condition Surveys of all buildings for which building condition surveys were undertaken in accordance with Condition E45 of this approval must be undertaken by a structural engineer. The results of the surveys must be documented in a Building Condition Survey Report for each building surveyed. Copies of Building Condition Survey Reports must be provided to the landowners of the buildings surveyed, and if agreed by the landowner, the relevant Council within three weeks of completing the surveys and no later than three (3) months following the completion of construction.</p>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 12.3.2. Post-construction Building Condition Surveys were prepared during the reporting period for Portion 1C and Portion 2 and issued to landowners. Remaining post-construction Building Condition Surveys will be prepared during the Feb-22 to Jul-22 reporting period.</p>
E47	<p>Any physical damage caused to a property as a result of the CSSI shall be rectified or the property owner compensated, within a timeframe agreed to by the property owner with the costs borne by the Proponent. This condition is not intended to limit any claims that the property owner may have against the Proponent.</p>	Conformant	<p>Addressed in the Noise and Vibration Management Sub-plan (CoA C3b) Section 12.3.2. During the reporting period, minor damage to a limited number of private properties was identified and rectified in consultation with property owners.</p>





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E48	<p>The Proponent must prepare an Operational Noise and Vibration Review (ONVR) to confirm noise and vibration mitigation measures that would be implemented for the operation of the CSSI. The ONVR must be prepared in consultation with the Department, relevant council(s), other relevant stakeholders and the community and must:</p> <ul style="list-style-type: none"><li>(a) identify specific noise and vibration criteria applicable to each component of the CSSI;</li><li>(b) predict the operational noise and vibration levels at affected receivers;</li><li>(c) identify the proposed mitigation measures to be used to meet the applicable noise and vibration criteria;</li><li>(d) ensure uncertainties in the design process (e.g. engineering performance tolerances, modelling assumptions, transmission path assumptions etc) are identified and conservatively quantified; and</li><li>(e) include a consultation strategy with directly affected receivers on mitigation measures.</li></ul> <p>Where the noise and vibration criteria cannot be achieved, the assessment shall present an analysis of reasonable and feasible noise and vibration mitigation measures, and the 'best practice' achievable noise and vibration outcome for each component of the CSSI.</p> <p>The ONVR is to be verified by a suitably qualified and experienced noise and vibration expert. The ONVR is to be undertaken at the Proponent's expense and submitted to the Secretary for approval before the implementation of mitigation measures.</p> <p>The Proponent must implement the identified noise and vibration control measures and make the ONVR publicly available.</p>	Conformant	Not triggered by the Infrastructure Delivery Stage. Activities during this stage do not relate to operation of the CSSI. The ONVR shall be prepared during the SOM Stage. Concurrent to the Infrastructure Delivery Stage to allow early implementation of operational noise mitigation measures where reasonable and feasible. Refer to Stage 3 SOM.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E55	<p>Ground-borne noise from rail traffic must not exceed the criteria outlined in Table E4 as measured at the nearest receiver. If exceedances are identified, the Proponent must implement mitigation measures which may include at-receiver property treatments: <b>&lt;INSERT TABLE E4&gt;</b></p> <p><i>General Note: Ground-borne noise level values are relevant only where they are higher than the airborne noise from railways and where the ground-borne noise levels are expected to be, or are, audible within habitable rooms (RING, EPA 2013).</i></p> <p><i>Note 1: LASmax refers to the maximum noise level not exceeded for 95 percent of rail pass-by events and is measured using the 'slow' response setting on a sound level meter.</i></p> <p><i>Note 2: The lower value of the range is applicable where low internal noise levels are expected, such as in areas assigned to studying, listening and praying.</i></p> <p><i>Note 3: NR curves are used for rating noise levels and are a set of octave band curves which provide limiting sound pressure level values. NR 15 is equivalent to approximately 20 dBA and NR 25 is approximately 30 dBA.</i></p>	Unassigned	<p>Ground-borne noise and vibration as limited to the Infrastructure Works was assessed as detailed in the PLR1INF Project Wide Ground Borne Noise and Vibration Report (PLR1INF-WSPA-ALL-NV-RPT-517001). To the extent to which the Infrastructure Works influence trigger levels, the report demonstrates that the requirements of this condition and the SPR Appendix I Clause 2.4.1 have been satisfied. The IC certified on 26-Nov-21 that all comments on the document are closed.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E60	The Proponent must not destroy, modify or otherwise physically affect heritage items (including Aboriginal objects), outside of the CSSI footprint.	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d). The Heritage Management Sub-plan was endorsed by the ER and Approved by the Secretary on 21-Nov-2019 (refer to Condition C3). Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. Where Infrastructure Works are proposed to be undertaken outside of the Approved Project boundary, potential impacts to heritage are assessed as part of a Consistency Assessment or Environmental Review to demonstrate consistency with the EIS. Where the impacts are determined to be consistent with the EIS and the works are outside of the boundary, the CSSI footprint is increased to capture the additional area. This process is detailed in the approved CEMP.
E61	Nothing in this approval permits the Proponent to harm, modify, or otherwise impact human remains uncovered during the construction and operation of the CSSI.	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d). This has been included as mitigation measure H13. During the analysis of faunal remains identified in a Robin Thomas Resource cesspit in Aug-21, a University of England faunal specialist identified potential human remains, including two vertebrae. The vertebrae were subsequently confirmed by Dr. Denise Donlon (University of Sydney physical anthropologist) as human. Relevant notifications of this finds were made to the NSW Police, NSW Coroner, TfNSW, the ER, DPC Heritage, NSW Health, CoPC and RAPs.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E63	The <b>Unexpected Heritage Finds Procedure</b> , as submitted to the Secretary, must be implemented for the duration of construction and during operational maintenance works.	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d). The Unexpected Heritage Finds Guideline is provided in Appendix A and reflected in Section 7 (Table 7-1). Implementation during the reporting period was demonstrated through the numerous notifications of unexpected finds on TeamBinder.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E64	<p>The Proponent must prepare a <b>Heritage Interpretation Strategy</b> before work (excluding archaeological excavation required under Condition E70 and E71) which impacts on the items identified below commence which identifies and interprets the heritage values and stories of Aboriginal and non-Aboriginal heritage items, archaeology and heritage conservation areas associated with the CSSI.</p> <p>The Heritage Interpretation Strategy must be prepared and implemented in consultation with OEH and the Heritage Council of NSW (or its delegate). The Heritage Interpretation Strategy must be submitted to the Secretary for information and include, but not be limited to a discussion of the key interpretive themes, stories, archaeological results, and messages proposed to interpret the history and significance of affected heritage items and heritage conservation areas including:</p> <ul style="list-style-type: none"> <li>a) Parramatta Female Factory and Institutions Precinct within the Cumberland District Hospital Group</li> <li>b) Lennox Bridge;</li> <li>c) St Patrick’s Roman Catholic Cemetery;</li> <li>d) The Convict Lumberyard (Arthur Phillip High School site)</li> <li>e) Ancient Aboriginal and Early Colonial Landscape (Robin Thomas Reserve);</li> <li>f) Queen’s Wharf Reserve and stone wall and potential archaeological site;</li> <li>g) Dundas Railway Station Group;</li> <li>h) Prince Alfred Square (and potential archaeological site);</li> <li>i) Royal Oak Hotel and stables (and potential archaeological site);</li> <li>j) Clyde Carlingford Rail Bridge abutments (Northern); and</li> <li>k) Clyde Carlingford Rail Bridge abutments (Southern)</li> </ul>	Conformant	<p>Addressed in the Heritage Management Sub-plan (CoA C3d). This requirement has been included as mitigation measure H6 in Table 7-1. A Heritage Interpretation Strategy has been endorsed by the ER and sent to the Secretary for information. The Queen’s Wharf Reserve Heritage Interpretation has been prepared by the Enabling Works (Package 1) for the immediate area. Ongoing consultation has been carried with the Interface Contractors to ensure archaeology and interpretation reporting requirements are achieved. The Heritage Interpretation Strategy was revised in accordance with CoA E64A and submitted to DPIE on 14-Apr-21. DPIE advised on 26-Apr-21 that Rev 9 was accepted. Heritage Interpretation Implementation Plans were also developed during a previous reporting period in consultation with DPC Heritage and CoPC. Development of interpretive devices progressed during the reporting period with devices complete on the Carlingford Line.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E64A	<p>Within six months of the completion of any archaeological excavation and archival recording, the Heritage Interpretation Strategy in Condition E64 must be updated to include any additional heritage items identified and their interpretation.</p> <p>Note: Archaeological excavation and archival recording includes but is not limited to that required by Condition E70 and E71 inclusive.</p>	Conformant	<p>Addressed in the Heritage Management Sub-plan (CoA C3d). This requirement has been included as mitigation measure H6 in Table 7-1. The Heritage Interpretation Strategy was revised in accordance with this condition and submitted to DPIE on 14-Apr-21. DPIE advised on 26-Apr-21 that Rev 9 was accepted. There were no archaeological excavation or archival recording works completed during the period May 2021 to November 2021. The final update of the Heritage Interpretation Strategy is scheduled to occur in Mar-22 in accordance with the requirements of this condition.</p>
E65	<p>Identified impacts to heritage items and heritage conservation areas must be minimised through both detailed design and construction in consultation with the Heritage Council (or its delegate). The measures to manage this must be detailed in the Heritage Management Sub-Plan required by Condition C3.</p>	Conformant	<p>Addressed in the Heritage Management Sub-plan (CoA C3d). This requirement has been included as mitigation measure in Section 7. Impacts to heritage items and heritage conservation areas during detailed design have been reviewed in the Environmental Design Review Reports with the assistance of an appropriately qualified and experienced heritage architect to provide independent review. In addition, Heritage Impact Reports were produced for each stage of the design development (at DDR during the reporting period) to identify impacts to built heritage and detail mitigation measures to be applied to design. Consultation with DPC Heritage during the reporting period has consisted of meetings/workshops and correspondence for built heritage and archaeology. Consultation has been documented within a Consultation Report.</p>
E66	<p>The Proponent must not destroy, modify or otherwise physically affect any structures within the Cumberland District Hospital Group or the curtilage of the Parramatta Female Factory and Institutions Precinct, except as identified in the documents listed in Condition A1.</p>	Not Triggered	<p>Addressed in the Heritage Management Sub-plan (CoA C3d). This requirement has been included as mitigation measure H1 in Section 7. Not triggered during the reporting period.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E68	<p>The detailed design of the CSSI must have regard to the following heritage items to ensure that the design respects and responds to the heritage value of the items:</p> <ul style="list-style-type: none"><li>(a) Lennox Bridge;</li><li>(b) Cumberland District Hospital Group;</li><li>(c) St Patrick's Roman Catholic Cemetery;</li><li>(d) Prince Alfred Square (and potential archaeological site);</li><li>(e) Ancient Aboriginal and Early Colonial Landscape (Robin Thomas Reserve);</li><li>(f) Queen's Wharf Reserve and stone wall and potential archaeological site and</li><li>(g) Dundas Railway Station Group.</li></ul>	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d) in Table 6-2. An appropriately qualified and experienced heritage architect provided independent review throughout detailed design and as reflected in the Heritage Impact Reports which were produced for each stage of the design development.
E69	<p>Before installing acoustic treatment at any heritage item identified in the documents listed in Condition A1 the advice of a suitably qualified heritage architect or heritage engineer with specific experience in built heritage must be obtained and implemented to ensure any such work does not have an adverse impact on the heritage significance of the item.</p>	Not Triggered	Addressed in the Heritage Management Sub-plan (CoA C3d) in Table 6-2 and included in Table 7-1 as mitigation measure H4. The advice of a suitably qualified heritage architect or heritage engineer will be sought before installing acoustic treatment at any heritage item. No acoustic treatments were installed at any heritage items during the reporting period.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E70	<p>The Proponent must prepare a <b>Heritage Archival Recording and Salvage Report</b>, including photographic recording of heritage items which have been identified for demolition or modification in the documents referred to in Condition A1 and outline the salvage to be undertaken from these items.</p> <p>Archival recording must be undertaken by a suitably qualified heritage specialist and prepared in accordance with NSW Heritage Office's <i>How to Prepare Archival Records of Heritage Items</i> (1998) and <i>Photographic Recording of Heritage Items Using Film or Digital Capture</i> (2006).</p> <p>Within 12 months of completing the archival recording, or as otherwise agreed with the Secretary, the Proponent must submit the <b>Heritage Archival Recording and Salvage Report</b> to the Department, the OEH, Heritage Council of NSW, Relevant Council(s), relevant local libraries and local historical societies in the local government area.</p>	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d) in Table 6-2 and included in Table 7-1 as mitigation measure H9. The archival recording and salvage process are detailed in Section 8.3.2. The Heritage Archival Recording and Salvage Report has been prepared (PLR11NF-CPBD-ALL-HE-RPT-000010) and was distributed to the nominated parties. Salvage of items referred to in Condition A1 continued during the reporting period in accordance with the Heritage Archival Recording and Salvage Scheme.





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E71	<p>The Proponent must salvage material from heritage items identified in Condition E70. Following archival recording, the Proponent must identify options for sympathetic reuse of salvaged material (including integrated heritage displays) on the project or for other options for repository, reuse and display. Suitable repository location(s) must be established in consultation with Relevant Council(s) (or Registered Aboriginal Parties where relevant). For any State Heritage-listed items or elements suitable for salvage, suitable repository location(s) must be determined in consultation with the Heritage Division of the OEH.</p> <p>Any residual items and materials (where appropriate) are to be made available, through a process to be developed by the Proponent in consultation with the relevant council(s), to landowners within the locality from where the material originated.</p>	Conformant	<p>Addressed in the Heritage Management Sub-plan (CoA C3d). A separate Salvage Scheme has been prepared and maintained to monitor salvaged items and compliance against the requirements of this condition (PLR1INF-CPBD-ALL-HE-REG-000002). Options for the sympathetic reuse of salvaged items on the project were explored during the reporting period and consultation was undertaken with CoPC, DPC Heritage and the Aboriginal Focus Group. Final repository locations will be finalised in early 2022.</p>
E72	<p>Before works within zones 1 and 2 Historical Archaeological Management Unit (HAMU), the Proponent must engage a suitably qualified archaeologist whose experience complies with the NSW Heritage Council's Criteria for Assessment of Excavation Directors (July, 2011) (referred to as the Excavation Director) to oversee and advise on matters associated with historical archaeology (i.e. non-Aboriginal) and to prepare a <b>Historical Archaeological Research Design and Excavation Methodology</b>.</p> <p>Where the Unexpected Heritage Finds Procedure required by Condition E62 is triggered in a zone 3 location, the Excavation Director must oversee its implementation.</p>	Conformant	<p>Addressed in the Heritage Management Sub-plan (CoA C3d) in Table 6-3 and Section 8. Abi Cryerhall and Dr Jen Jones-Travers of GML Heritage are experienced excavation directors who meet the criteria for state and local respectively and are identified in the HARD (E73) and have been engaged to oversee the Project and prepare a Historical Archaeological Research Design and Excavation Methodology (HARD).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E73	<p>The <b>Historical Archaeological Research Design and Excavation Methodology</b> must be submitted to the Heritage Council of NSW (or its delegate) for review and comment before finalisation. The <b>Historical Archaeological Research Design and Excavation Methodology</b> must:</p> <ul style="list-style-type: none"><li>(a) be consistent with NSW Heritage Council Guidelines including:<ul style="list-style-type: none"><li>i) Archaeological Assessments (1996);</li><li>ii) Assessing Significance for Historical Archaeological Sites and Relics (2009),</li><li>iii) Skeletal Remains (1998), and</li><li>iv) Historical Archaeological Code of Practice (2009);</li></ul></li><li>(b) include provision for early physical investigation of areas of impact identified as likely to contain State significant archaeology in the research design to inform detailed design in these areas to avoid State significant archaeology. This <b>must shall</b> include, but not be limited to:<ul style="list-style-type: none"><li>i) St Patrick's Roman Catholic Cemetery;</li><li>ii) Ancient Aboriginal and Early Colonial Landscape / Robin Thomas Reserve; and</li><li>iii) The Parramatta Town Drains (where these alignments are unclear);</li></ul></li><li>(c) provide for the detailed analysis of any archaeological relics discovered during the investigations;</li><li>(d) include management options for discovered archaeological relics (including options for avoidance, salvage, and display or interpretation);</li><li>(e) include procedures for notifying the Heritage Council of NSW (or its delegate) and Secretary of any relic as required under s146 of the Heritage Act 1977; and</li><li>(f) if the findings of the investigations are significant, provide for the preparation and implementation of a heritage interpretation strategy.</li></ul>	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d) in Table 6-3 and Section 8. The HARD was drafted in 2019 and issued to Heritage Council of NSW for review and comment. The HARD was revised during the Feb-20 to July-20 reporting period and resubmitted to DPC Heritage (PLR1INF-CPBD-ALL-HE-PLN-000002).



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E74	Where excavation works are required in the vicinity of potential archaeological sites, the Excavation Director must be present to advise on archaeological issues and oversee excavation works. The Excavation Director must be given the authority to advise on the duration and extent of oversight required during excavation.	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d) in Section 8. During the reporting period, the Excavation Director was present during archaeological testing (excavation) and salvage works in the vicinity of potential archaeological sites.
E75	In the event that non-Aboriginal or post-contact archaeological relics are discovered, the Proponent must prepare an <b>Archaeological Excavation Report</b> containing the findings of any excavations, including artefact analysis and the identification of a final repository of any relics. The report must be submitted to the Secretary, for information, within 12 months of completing all archaeological investigations, unless otherwise agreed with the Secretary. The <b>Archaeological Excavation Report</b> must also be submitted to the NSW Heritage Council, the local library and the local Historical Society in the local government area. A copy of the <b>Archaeological Excavation Report</b> must be provided with the relics.	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d) in Section 8.2.10. An Archaeological Excavation Report will be prepared and submitted to the Secretary for information within 12months of completing the archaeological investigations. Condition was not triggered during the reporting period as archaeological investigations and salvage works are ongoing. Irrespective, the Archaeological Excavation Report is in progress with with chapters to be progressively delivered during the next reporting period.
E76	The Proponent must not harm, modify or otherwise impact Aboriginal objects associated with the CSSI except as authorised by this approval.	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d) in Section 7, as a mitigation measure H1 and H16. Boundary fencing have been erected around the exclusion zones and documented on ECMs. No works were completed during the reporting period that physically affected Aboriginal objects associated with the CSSI (except as authorised by this approval). During the reporting period, monitoring undertaken near the AT14 site demonstrated no impact to Aboriginal archaeology.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E77	Where previously unidentified Aboriginal objects are discovered during construction of the CSSI, all work should stop in the affected area and a suitably qualified and experienced Aboriginal heritage expert should be contacted to provide specialist heritage advice. The measures to consider and manage this process must be specified in the Heritage Management Sub-Plan required by Condition C3 and, where relevant, include registration in the OEH's Aboriginal Heritage Information Management System (AHIMS) register.	Not Triggered	Addressed in the Heritage Management Sub-plan (CoA C3d) in Section 8.2.8 and Appendix A. The Unexpected Heritage Finds Procedure has been included in Appendix A. No previously unidentified Aboriginal objects were identified during the reporting period.
E79	Any Aboriginal objects discovered must be identified in the <b>Heritage Interpretation Strategy</b> required by <b>Condition E64</b> and, where relevant, include registration in the OEH's Aboriginal Heritage Information Management System (AHIMS) register.	Conformant	Addressed in the Heritage Management Sub-plan (CoA C3d) in Section 7 in mitigation measures H6. During the reporting period, the Heritage Interpretation Strategy was revised to include additional Aboriginal objects identified and their interpretation. The Heritage Interpretation Strategy was revised in accordance with CoA E64A and submitted to DPIE on 14-Apr-21. DPIE advised on 26-Apr-21 that Rev 9 was accepted.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E80	The Proponent must design and construct the CSSI in a manner that reduces visual and heritage setting impacts and ensures consolidation and rationalisation of kerbside infrastructure to avoid visual clutter.	Conformant	Addressed in the Landscape and Temporary Works Management Sub-plan (REMMM VL-13) in Table 6-1, mitigation measures TW13. This requirement is identified as a Technical Requirement in the RVTM and has been addressed in the nominated design documentation. Requirements relating to design, including the Environmental Design Review process, are addressed in Section 6.2. During the previous reporting period, the Heritage Architect (Don Wallace, GML) has provided independent heritage review during the development of the detailed design. The Heritage Architect produced a Heritage Impact Report (PLR1INF-COX-ALL-HE-RPT-195001) to document design development in relation to heritage items.
E81	Operational safety requirements must form an integral part of the design process and be considered throughout the detailed design to avoid the need for later additions that unduly compromise the urban design objectives as set out in the Urban Design Requirements Report specified in Condition E87.	Conformant	This requirement is identified as a Technical Requirement in the RVTM and has been addressed in the nominated design documentation. Evidence of implementation is demonstrated through the Detailed Design Safety Assurance Report (PLR1INF-NOVA-ALL-AA-RPT-170001).
E82	Nothing in this approval permits advertising on any element of the CSSI.	Conformant	Addressed in the Landscape and Temporary Works Management Sub-plan (REMMM VL-13) in Table 6-1, mitigation measures TW6. During the reporting period, advertisements were removed within 24 hours from any element of the Infrastructure Works. Any signage on hoardings complies with the TfNSW style guide for cobranding.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E83	The Proponent must design and construct the CSSI in a manner that minimises opportunities for graffiti.	Conformant	Addressed in the Landscape and Temporary Works Management Sub-plan (REMMM VL-13) in Table 6-1, mitigation measures TW5 and TW9. During construction, regular inspections are undertaken for graffiti, damage and cleanliness. During the reporting period, offensive graffiti was removed within 24 hours and non-offensive graffiti was removed within 7 days. This requirement is identified as a Technical Requirement in the RVTM and has been addressed in the nominated design documentation.
E86	The CSSI must be constructed in a manner that minimises visual impacts resulting from construction sites, including protecting and retaining existing vegetation around the perimeter of compound sites, providing temporary landscaping and screening where appropriate to soften views of the construction sites and minimising light spill to adjacent residential areas.	Conformant	Addressed in the Landscape and Temporary Works Management Sub-plan (REMMM VL-13) Table 6-1, mitigation measures TW1, TW2, TW3, TW4, TW7 and TW11. A number of mitigation measures have been developed to address vegetation retention/ protection, use of soft landscaping and light spill. Vegetation protection measures are also detailed in the Flora and Fauna Management Sub-plan (CoA C3e). Implementation during the Infrastructure Works was demonstrated through the use of mulch in preference to geofabric to prevent erosion and the retention of existing vegetation at compound sites (Argus Lane and Fennel Street) and temporary landscaping in the Cumberland (refer to attached photos).



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E87	<p>The Proponent must prepare and implement an <b>Urban Design Requirements Report</b> for public domain, architecture, landscape architecture, identity and place making with a specific focus on stop access and design. The <b>Urban Design Requirements Report</b> must consider crime prevention through environmental design principles and relevant design standards such as:</p> <ul style="list-style-type: none"><li>(a) <i>Better Placed</i> (NSW Government Architect, 2017);</li><li>(b) <i>Greener Places</i> (NSW Government Architect, 2018);</li><li>(c) <i>Guidelines for the Development of Public Transport Interchange Facilities</i> (Ministry of Transport, 2008);</li><li>(d) <i>Water Sensitive Urban Design, NSW Sustainable Design Guidelines Version 4</i> (TfNSW, 2017);</li><li>(e) <i>AS4282-1997 Control of the obtrusive effects of outdoor lighting</i>; and</li><li>(f) relevant agency and Council design standards including those set out in the Parramatta Strategic Planning Framework.</li></ul> <p>The Urban Design and Requirements Report must incorporate:</p> <ul style="list-style-type: none"><li>(g) design principles and objectives;</li><li>(h) identification of relevant land use changes, masterplans and initiatives;</li><li>(i) analysis and mapping of local context and character; and</li><li>(j) analysis and mapping of transport and land use integration and system functionality in the context of precincts.</li></ul>	Conformant	<p>The Urban Design Requirements Report (PLR1INF-COX-ALL-UD-RPT-200001) was finalised during a previous reporting period and approved by DPIE on 8-07-20. Implementation of the Supplemental Requirements during the reporting period was demonstrated through the development of the Heritage Interpretation Implementation Plan, consultation with the Aboriginal Focus Group on interpretation initiatives, re-use of recovered materials (ballast and sleepers) and actions to minimise the loss of trees (e.g. Consistency Assessment for Out of Boundary Retaining Walls).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E89	Construction of light rail stops, tracks and associated facilities must not commence before the Urban Design Requirements Report has been approved by the Secretary. The detailed design development of light rail stops and associated light rail infrastructure within or in proximity to Heritage listed items must be undertaken in consultation with the Heritage Council (or its delegate).	Conformant	The Urban Design Requirements Report (PLR1INF-COX-ALL-UD-RPT-200001) was finalised during a previous reporting period and approved by DPIE on 8-07-20. Consultation with Heritage NSW (as a delegate of the Heritage Council) has been undertaken during the reporting period in the form of meetings and document submissions (design clash register and design drawings) for state heritage listed items and archaeology identified during the archaeological testing.
E97	All lighting to be implemented as part of the CSSI must have regard to the location of nearby residential dwellings. Lighting impacts must be minimised to the extent possible including the use of shields to reduce light spill and annoyance to adjacent residences.	Conformant	Addressed in the Landscape and Temporary Works Management Sub-plan (REMMM VL-13) Table 6-1, mitigation measures TW2 and TW3. This requirement is identified as a Technical Requirement in the RVTM and was addressed in the following design packages: Section 1 - 1519 - Street and Precinct Lighting, Section 2 - 2519 - Street and Precinct Lighting, Section 3 - 3519 - Street and Precinct Lighting. Construction phase lighting impacts are assessed as part of the weekly environmental inspections and noise and vibration monitoring events.





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E98	<p>The Proponent must ensure that all external lighting associated with the operation of the CSSI (excluding light rail vehicles) is mounted, screened and directed in such a manner so as not to create nuisance to residences. The lighting must be the minimum level of illumination necessary and shall comply with AS 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.</p>	Conformant	<p>This requirement is identified as a Technical Requirement in the RVTM and has been addressed in the following design packages: Section 1 - 1519 - Street and Precinct Lighting, Section 2 - 2519 - Street and Precinct Lighting, Section 3 - 3519 - Street and Precinct Lighting. The Independent Certifier's Certificate of Design Compliance was issued on 15-Jan-20.</p>
E99	<p>The placement, obstruction and removal of CCTV cameras must be undertaken in consultation with the relevant public authority and Relevant Council(s).</p>	Conformant	<p>The requirements of this condition have been addressed in the Utility Service Management Plan (PLR1INF-CPBD-ALL-UM-PLN-000001). Consultation with the relevant public authority and Councils on the placement, obstruction and removal of CCTV cameras during the reporting period was achieved through coordination meetings and working groups.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E100	<p>The Proponent must avoid and/or minimise the removal of native vegetation or other bushland that provides habitat for native fauna with the objective of reducing impacts to threatened species, populations and ecological communities. Impacted vegetation must be rehabilitated in proximity to the area of disturbance with a diversity of endemic species (in the first instance) and locally native tree, shrub and groundcover species to the greatest extent practicable or offset in accordance with the Proponent's Biodiversity Offset Strategy and the Flora and Fauna Management Sub-Plan required by Condition C3, in consultation with OEH, DPI Fisheries, and the Biodiversity Conservation Trust.</p>	Conformant	<p>TfNSW will implement offsets in accordance with the Offset Strategy. During the reporting period, Parramatta Connect avoided and minimised removal of native vegetation during design. This was evidenced by the Consistency Assessment prepared for out of boundary retaining walls in Section 1. Through the design review process and root mapping, the number of trees requiring removal decreased from over 50 to 11.</p>
E101	<p>During construction near the Parramatta River and Cumberland Hospital East and West, the Proponent must engage a suitably qualified and experienced fauna specialist to monitor the behaviour of the Grey-headed Flying-fox camp that resides in Parramatta Park in accordance with the Grey-headed Flying Fox Monitoring Program required by Condition C9 and implement mitigation measures, as required to minimise potential impacts to the camp. Monitoring must commence at least 12 months before the commencement of construction within 300 metres, unless otherwise agreed with the Secretary, of the camp to establish baseline behaviour. Monitoring must be undertaken regularly during construction (in consultation with OEH) with the results compiled in a monitoring report submitted to OEH each month. Monitoring should include species present, numbers, a map of the extent of the camp, breeding status, and condition of animals. If monitoring suggests that construction associated with the CSSI is changing the behaviour of the camp, the Proponent must consult with OEH to determine whether additional mitigation measures are required.</p>	Conformant	<p>Grey-headed Flying Fox Monitoring Program has been endorsed and provided to DPIE. Refer to TfNSW obligation matrix for compliance information. Extensive monitoring of the Grey-Headed Flying Fox camp has determined that the works have had minimal to no impact.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E105	<p>For those trees identified as requiring removal in the <b>Tree Register</b>, the Proponent must demonstrate consideration of options to avoid or minimise impacts on trees through the detailed design and construction planning process. The options considered must include, but not be limited to:</p> <ul style="list-style-type: none"><li>(a) consideration of operational requirements with existing tree locations;</li><li>(b) consideration of the health of each tree, including its vigour and likely ability to survive in situ pruning or transplanting;</li><li>(c) review of the construction methodology and layout to identify any options to avoid or minimise impacts on trees;</li><li>(d) considering opportunities to narrow/move footpaths;</li><li>(e) modification of the design to reduce impact to the tree (e.g. use of porous pavement);</li><li>(f) reduction in the standard offsets required for underground services; and</li><li>(g) where fencing, other ancillary infrastructure or services affect tree retention, relocation or alternative construction methods are considered to reduce impacts (e.g. from strip footings to pier footings for posts).</li></ul>	Conformant	<p>Addressed in the Flora and Fauna Management Sub-plan (CoA C3e) in Section 7.5.1. Potential options to minimise impacts for trees requiring removal are: - Trees removal was considered during detailed design against the criteria in E105 by a suitably qualified Arborist engaged by PCPLR as described in Section 7.5.1. - The conclusions of the design review were progressively provided to Independent Arborist (E102) during the reporting period to update the Tree Register. -Additional trees that require lopping or removal during construction were assessed by an Arborist (minimum AQF Level 3 qualification in Arboriculture) engaged by PCPLR. The assessments are progressively provided to the Independent Arborist (E102) to update the Tree Register. - Tree Protection Plans continue to be prepared for all trees within 15m of the construction footprint by the PCPLR Arborist and approved by the Independent Arborist.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E106	<p>The <b>Tree Register</b> and any evidence required by <b>Condition E105</b> must be submitted to the Secretary before the removal or damage (as defined by the Independent Arborist) of a tree for the purposes of the CSSI. The recommendations of the Independent Arborist must be outlined in the Tree Register and implemented by the Proponent, unless otherwise agreed by the Secretary.</p>	Conformant	<p>PCPLR have engaged a suitably qualified arborists to prepare Arboricultural Impact Assessment Report / Tree protection plans to support each submission of the Tree Register to DPIE. During the reporting period, data was progressively provided to the Independent Arborist to support the Tree Register.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E107	<p>The Proponent must prepare and implement a <b>Tree Offset Package</b> for the CSSI in consultation with the independent Arborist required by <b>Condition E102</b>, and Relevant Council(s). The Package must consider the objectives and opportunities identified in <i>Sydney Green Grid West Central District</i> (Department of Planning and Environment, 2017), <i>Greener Places</i> (NSW Government Architect, 2017), and <i>Parramatta Ways</i> (Implementing Sydney's Green Grid) (City of Parramatta, 2017). The package must:</p> <ul style="list-style-type: none"> <li>(a) identify how impacts on trees and vegetation will be mitigated, managed, and compensated;</li> <li>(b) ensure that where trees are removed they are replaced at the following ratios regardless of their value, near the impact or, where this is not practicable, within other areas of the LGA or surrounding LGAs, in consultation with the relevant authority(s):               <ul style="list-style-type: none"> <li>i) large trees (DBH greater than 60cm) – plant minimum of eight trees;</li> <li>ii) medium trees (DBH greater than 15 cm, but less than 60 cm) – plant minimum of four trees; and</li> <li>iii) small young trees (DBH less than 15cm) – plant minimum of two trees.</li> </ul> </li> <li>(c) ensure a mix of species and a range of mature heights to provide visual diversity and benefits, in consultation with the Relevant Council(s);</li> <li>(d) street tree plantings are to have a minimum pot size of:               <ul style="list-style-type: none"> <li>i) 200 litres in the Parramatta CBD precinct; and</li> <li>ii) 75 litres in other streets;</li> </ul> </li> <li>(e) tree planting in parks, open space, bushland, and within the Carlingford Line corridor, should be sized to suit the location, species and planting style, in consultation with the relevant authority(s); and</li> <li>(f) ensure at least 80% offset works must be completed before CSSI operations commence.</li> </ul> <p>Where the requirements of this condition cannot be met, the Proponent must provide documented evidence demonstrating how the matters in (a) to (f) were considered and provide information and justification for an alternative offset option for the Secretary's approval.</p>	Unassigned	<p>Refer to TfNSW obligations matrix.</p> <p>A Register of Planted Trees has been developed and maintained by Package 4 to document the location, size and species of planted trees. During the reporting period, the Register was submitted to TfNSW monthly.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E108	The ongoing maintenance and operation costs of urban design and landscaping items (including tree offsets) and works implemented as part of this approval remain the Proponent's responsibility until satisfactory arrangements have been put in place for transfer to the relevant authority. Before the transfer, the Proponent must maintain items and works to the design standards established by the <b>Urban Design Requirements Report</b> , and the <b>Tree Offset Package</b> .	Conformant	Maintenance of urban design and landscaping items was undertaken during the reporting period in accordance with the requirements of this condition. Evidence of implementation is provided in the Register of Planted Trees.
E109	The Proponent must design and construct the CSSI 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.	Conformant	This requirement is identified as a Process Requirement in the RVTM and has been addressed in the nominated design documentation: Section 1 - 1510 - Road Alignment, Section 1 - 1535 - Drainage - Stormwater Drainage (incl. Track Drainage), Section 2 - 2510 - Road Alignment, Section 2 - 2535 - Drainage - Stormwater Drainage (incl. Track Drainage), Section 3 - 3510 - Road Alignment, Section 3 - 3535 - Drainage - Stormwater Drainage (incl. Track Drainage).



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E110	<p>The Proponent must prepare and implement a <b>Business Activation Plan</b> to manage impacts to businesses on streets affected by construction of the CSSI, including those where access is altered. The Plan must be prepared before construction and must include but not necessarily be limited to:</p> <ul style="list-style-type: none"><li>(a) measures to address amenity, vehicular and pedestrian access during business hours and visibility of the business appropriate to its reliance on such, and other reasonable matters raised in consultation with affected business;</li><li>(b) Business Management Strategies for each stage of construction (and/or activity), identifying affected businesses and associated management strategies, including the employment of place managers and specific measures to assist small business owners adversely impacted by the construction of the CSSI;</li><li>(c) Business Support Services Program to assist small business owners adversely impacted by construction of the CSSI. The Program must assist local businesses to develop proactive business strategies including:<ul style="list-style-type: none"><li>i) marketing and promotion;</li><li>ii) business diversification and business planning; and</li><li>iii) engagement of specialists to run workshops both before and during construction.</li></ul></li><li>(d) establishment of business reference groups to provide, but not be limited to, the following services:<ul style="list-style-type: none"><li>i) provide information on the CSSI;</li><li>ii) discuss mitigation measures to minimise impacts; and</li><li>iii) consult on out of hours works ('Eat Street' only) where required by <b>Condition E24</b>.</li></ul></li><li>(e) a monitoring program to assess the effectiveness of the measures including business feedback against which effectiveness of the measures will be measured; and</li><li>(f) provision for reporting of monitoring results to the Secretary, as part of the <b>Compliance Monitoring and Reporting Program</b> required in <b>Condition A30</b>.</li></ul>	Unassigned	A project wide business activation plan has been prepared by TfNSW. Refer to obligation matrix for compliance details.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E111	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).	Conformant	Addressed in the Soil and Water Management Sub-plan (REMMM HY-6) Section 7, control measure SW-09. Appendix A provides the Erosion and Sediment Control Procedures (ESCP) to guide development of erosion and sediment control plans in accordance with The Blue Book. Erosion and sediment control plans have been prepared and generally implemented for each worksite as required during the reporting period in accordance with Volume 2D of Managing Urban Stormwater: Soils and Construction (Landcom, 2004). Implementation of the plans has been supported with periodic inspections by the soil conservationist to identify improvement opportunities as construction progresses.
E112	The CSSI must be designed, constructed and operated so as to maintain the <i>NSW Water Quality Objectives</i> where they are being achieved as at the date of this approval, and contribute towards achievement of the <i>NSW Water Quality Objectives</i> 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 <i>NSW Water Quality Objectives</i> , in which case those requirements must be complied with.	Conformant	Addressed in the Soil and Water Management Sub-plan (REMMM HY-6) Section 5.4.1. The Water Quality Objectives are outlined in Section 5.4.1. During the reporting period the Monthly Environmental Monitoring Report was prepared each month in accordance with water quality objectives. Prior to the reporting period, the EPA issued Parramatta Connect with the Environmental Protection License (EPL 21347) including interim discharge criteria which will aim to maintain the Water Quality Objectives. A Discharge Impact Assessment (DIA) was prepared and provided with the EPL application and the EPA subsequently removed this requirement from the EPL.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E118	<p>Notification must be provided and, where relevant, approvals must be sought directly from the EPA before commencement of any works which will intersect or disturb the surface of sites which are regulated by the EPA under the <i>Contaminated Land Management Act 1997</i>.</p>	Conformant	<p>Addressed in the Contaminated Land Management Sub-plan. The CLMP has been developed in consultation with the City of Parramatta Council (CoPC) and relevant agencies. Works at 1 Grand Avenue, Camellia (Lot 1 of DP1248549) are regulated by a Site Management Plan which is enforced through a positive public covenant on the Site title under Section 29 of the CLM Act, which imposes ongoing maintenance order under Section 28 of the CLM Act. The EPA provided approval on 27-04-2020 to undertake excavation works on the site.</p>
E122	<p>For those AEIs where remediation is required, the <b>Site Contamination Report</b> and <b>Remediation Action Plan</b> must be accompanied by a <b>Site Audit Statement(s)</b>, prepared by a NSW EPA Accredited Site Auditor under the Contaminated Land Management Act 1997, verifying that the disturbed area has been or can be remediated to a standard consistent with the intended land use. Where land is remediated, a final <b>Site Audit Statement(s)</b> must be prepared by an accredited Site Auditor, certifying that the contaminated and disturbed areas have been remediated to a standard consistent with the intended land use.</p> <p><i>Note: Terms used in Condition E121 and E122 have the same meaning as in the Contaminated Land Management Act 1997.</i></p>	Conformant	<p>Addressed in the Contaminated Land Management Sub-plan. The requirement to prepare a Site Audit Statement is detailed in Section 7.1.4. It is noted that the remediated land will not be used for the purpose approved under the Project Approval until a Site Audit Statement, prepared by a NSW EPA Accredited Site Auditor, determines that the land is suitable for the intended use and any conditions have been addressed. During the reporting period, Site Audit Statements were issued for 13A Grand Avenue, Camellia Junction and Sandown Line.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E123	For those AEIs where remediation is required, the land must not be used for the purpose approved under the terms of this approval until a Site Audit Statement determines that the land is suitable for that purpose and any conditions on the Site Audit Statement have been complied with.	Conformant	Addressed in the Contaminated Land Management Sub-plan. The requirement to prepare a Site Audit Statement is detailed in Section 7.1.4. It is noted that the remediated land will not be used for the purpose approved under the Project Approval until a Site Audit Statement, prepared by a NSW EPA Accredited Site Auditor, determines that the land is suitable for the intended use and any conditions have been addressed. During the reporting period, Site Audit Statements were issued for 13A Grand Avenue, Camellia Junction and Sandown Line.
E124	A copy of the final Site Audit Statement must be submitted to the Secretary and Relevant Council no later than one month before the commencement of CSSI operations.	Conformant	Addressed in the Contaminated Land Management Sub-plan. The requirement to prepare a Site Audit Statement is detailed in Section 7.1.4. A copy of the final Site Audit Statement will be submitted to the Secretary and relevant Council no later than one month before the commencement of CSSI operations. Condition not triggered during the reporting period.
E125	An Unexpected Contaminated Land and Asbestos Finds Procedure must be prepared and must be implemented should unexpected contaminated land or asbestos be excavated or otherwise discovered during construction. This can be provided as part of the CEMP or relevant sub-plan.	Conformant	The Unexpected Contaminated Land and Asbestos Finds Procedure is outlined in the Contaminated Land Management Sub-plan (PLR1INF-CPBD-ALL-LD-PLN-000001) Appendix A. The procedure was endorsed by the ER during the Aug-19 to Jan-20 reporting period and provided to DPIE with the CEMP.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E126	The Unexpected Contaminated Land and Asbestos Finds Procedure must be implemented throughout construction.	Conformant	Addressed in the Contaminated Land Management Sub-plan. The Unexpected Contaminated Land and Asbestos Finds Procedure is outlined in Appendix A. The procedure outlines the steps that will be undertaken should unexpected contaminated land or asbestos be excavated or otherwise discovered during construction. Implementation is demonstrated through ECMs. The requirements of this procedure were not triggered during the reporting period.
E127	Waste generated during construction and operation must be managed 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.	Conformant	Addressed in the Waste and Resource Management Sub-plan (PLR1INF-CPBD-ALL-WM-PLN-000001). Implementation during the reporting period was demonstrated through the Onboarding process (awareness of requirements) and waste to destination audits (to assess material recycling). As at the end of the reporting period, 98% of construction and demolition waste, and 75% of office waste was diverted from landfill.
E128	The importation of waste and storage of virgin excavated natural material (VENM), and the treatment, processing, reprocessing or disposal of any waste, must comply with the <i>Protection of the Environment Operations Act 1997</i> , and the <i>Protection of the Environment Operations (Waste) Regulation 2014</i> , where orders or exemptions apply under the regulation.	Conformant	Addressed in the Waste and Resource Management Sub-plan (PLR1INF-CPBD-ALL-WM-PLN-000001). The waste storage, treatment, processing and disposal protocols, as outlined in Section 3.1, Section 5.1 and Section 5.2, have been developed in compliance the Protection of the Environment Operations Act 1997, and the Protection of the Environment Operations (Waste) Regulation 2014. Implementation is demonstrated through Material Movement Permits (PLR1INF-CPBD-ALL-SM-TMP-000002), Material Tracking Forms (PLR1INF-CPBD-ALL-SM-TMP-000003) and monthly reviews of the Waste Management Plan undertaken in accordance with EPL 21347.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E129	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. Disposal of waste at these facilities must include GPS tracking of waste vehicles, audits of waste facility receipts and cross verification with the facility. All asbestos waste over 10m3 must be tracked through EPA's WasteLocate service.	Conformant	Addressed in the Waste and Resource Management Sub-plan (PLR1INF-CPBD-ALL-WM-PLN-000001). The storage, treatment and disposal of waste off-site will only occur at a facility licensed by the EPA. To ensure waste management practices are being followed, GPS tracking of waste vehicles occurs as well as monthly reviews of the Waste Management Plan undertaken in accordance with EPL 21347. Waste disposal requirements are outlined in Section 5.1.3, Section 5.4 and Table 7.1 (WM08, WM17 and WM19) and implementation is demonstrated through Material Movement Permits (PLR1INF-CPBD-ALL-SM-TMP-000002) and Material Tracking Forms (PLR1INF-CPBD-ALL-SM-TMP-000003) and EPA WasteLocate records.
E130	All waste must be classified in accordance with the EPA's Waste Classification Guidelines, with appropriate records and disposal docketed retained for audit purposes.	Conformant	Addressed in the Waste and Resource Management Sub-plan (PLR1INF-CPBD-ALL-WM-PLN-000001). During the reporting period, all waste was classified in accordance with the EPA's Waste Classification Guidelines as summarised in Section 5.2. Implementation of these requirements is demonstrated through material characterisation reports, Material Movement Permits (PLR1INF-CPBD-ALL-SM-TMP-000002) and Material Tracking Forms (PLR1INF-CPBD-ALL-SM-TMP-000003) and disposal docketed.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E131	<p>Asbestos or asbestos-contaminated materials that are discovered during demolition and construction activities of the CSSI must be strictly managed in accordance with the requirements under the <i>Protection of the Environment Operations (Waste) Regulation 2014</i> and any guidelines or requirements in force at the date of this approval and issued by the EPA in relation to those materials.</p>	Conformant	<p>Addressed in the Waste and Resource Management Sub-plan (PLR1INF-CPBD-ALL-WM-PLN-000001). Processes for the handling of asbestos contaminated materials are detailed in Section 5.2 and Section 5.3. A detailed procedure on the management of asbestos-contaminated materials that are discovered during demolition and construction activities is provided in the Contaminated Land Management Plan (Section 7.3) (PLR1INF-CPBD-ALL-LD-PLN-000001). Implementation of these requirements is demonstrated through material characterisation reports, Material Movement Permits (PLR1INF-CPBD-ALL-SM-TMP-000002) and Material Tracking Forms (PLR1INF-CPBD-ALL-SM-TMP-000003) and disposal docket.</p>
E135	<p>The Proponent must identify utilities, services and other infrastructure and property potentially affected by construction to determine requirements for access to, diversion, protection, and/or support. Consultation with the relevant owner and/or provider of services that are likely to be affected by the CSSI must be undertaken to make suitable arrangements for access to, diversion, protection, and/or support of the affected infrastructure as required. The Proponent must ensure that any disruption to any service is minimised and shall be responsible for advising impact to service recipients before any planned disruption of service. The cost of any such arrangements must be borne by the Proponent, unless otherwise agreed with the utility/service provider.</p>	Conformant	<p>Parramatta Connect have developed a Utility Services Management Plan (PLR-INF-CPBD-PJT-CM-PLN-000003) and are actively working with the relevant utilities, services and other infrastructure and property potentially impacted to determine requirements for access to, diversion, protection, and/or support.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
E136	A Sustainability Strategy must be prepared to achieve a minimum project score of 65 for 'Design' and 'As built' rating under the Infrastructure Sustainability Council of Australia infrastructure rating tool.	Conformant	The PLR Project wide Sustainability Strategy for Construction was prepared and submitted to the Secretary on 29 November 2018 and was designed to achieve a combined Project ISCA rating of 65. The Staging of this condition is documented in the PLR Staging Report which was approved by the Secretary's Delegate on 5 September 2019. ISCA have issued the project with a Round 2 Design Verification Score of 82.7 points (Leading Rating).
E137	The Sustainability Strategy must be submitted to the Secretary, for information, within six months of the date of this approval, or within another timeframe agreed with the Secretary, and must be implemented throughout the design, construction and operation of the CSSI.	Unassigned	The Sustainability Strategy for Stage 1 Enabling Works (PLR-TFNSW-PJT-SU-PLN-000002) was submitted to the Secretary for information on 29 November 2019 (within 6 months of approval - 29 May 2018). The Strategy was endorsed by the ER on 29 November 2018.
E138	Opportunities to reduce operational greenhouse gas emissions must be investigated during detailed design. The sustainability initiatives identified in the documents identified in <b>Condition A1</b> must be regularly reviewed, updated and implemented throughout the design development and construction, and annually during operation of the CSSI.	Conformant	Addressed in the Carbon and Energy Management Sub-plan (PLR1INF-CPBD-ALL-SB-PLN-000001), a Sub-plan to the Delivery Phase Sustainability Management Plan. Opportunities to reduce greenhouse gas emissions were investigated during detailed design and are reflected in the Sustainability in Design report (PLR1INF-CPBD-ALL-SB-RPT-085001). A total of five Climate Change Risk Workshops have been undertaken with the SOM Contractor (Package 5).



## A-1-2 Revised Environmental Mitigation and Management Measures (REMMMs)

ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
AB-01	Aboriginal heritage interpretation would be incorporated into the design of the project in consultation with registered Aboriginal stakeholders.	Conformant	All Precincts. Addressed in Section 7 of the Heritage Management Sub-plan (CoA C3d). A Heritage Interpretation Strategy has been prepared by GML, endorsed by the ER and submitted to the Secretary for information (PLR11NF-CPBD-ALL-HE-RPT-000001) (GML Heritage, February 2020). This Strategy, including both Aboriginal and non-Aboriginal heritage interpretation, will be incorporated into the design of the project. The Heritage Interpretation Strategy was revised in accordance with CoA E64A and submitted to DPIE on 14-Apr-21. DPIE advised on 26-Apr-21 that Rev 9 was accepted. Implementation is demonstrated through the Heritage Interpretation Implementation Plan. Consultation undertaken with the Aboriginal Focus Group during a previous reporting period determined that the Aboriginal heritage interpretation initiatives were supported by the group.
AB-04	Exclusion zones would be established during construction for the following partially impacted sites to protect the portion of the site located outside the project construction disturbance boundary: » Cumberland Hospital East. » Harris Street Footpath/Robin Thomas Reserve. Suitable controls would be identified in the heritage management plan and shown on the Environmental Control Maps (refer Transport for NSW Guide to Environmental Control Map), which may include barrier fencing to delineate the exclusion zones.	Conformant	Parramatta North; Parramatta CBD. Addressed in the Heritage Management Sub-plan (CoA C3d). This commitment is included as mitigation measure H16 in Section 7. Barrier fencing and exclusion zones are in place within Cumberland Hospital East and Harris Street Footpath/ Robin Thomas Reserve, and these are outlined on relevant ECMs.





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
AQ-01	<p>An air quality and dust management plan would be developed and implemented as part of the CEMP. This plan would identify triggers and procedures for dealing with significant dust generating activities, with the aim of minimising impacts on surrounding sensitive receivers. Air quality and dust management measures that would be identified in the CEMP would include:</p> <ul style="list-style-type: none"> <li>» Apply wheel-wash or rumble grid facilities as appropriate to remove loose material and prevent the tracking of spoil debris onto local roads.</li> <li>» Clean loose materials and debris from the tailgate of vehicles unloading materials to stockpiles prior to departure from site.</li> <li>» Conduct routine servicing and maintenance, and subsequent inspections to ensure that equipment continues to operate efficiently.</li> <li>» Ensure that all loads are covered when materials are being hauled to and from site.</li> <li>» Ensure that compound area surfaces are well compacted or sealed to limit the potential for dust generation.</li> <li>» Ensure that structures are inspected by a suitably qualified person to confirm that they do not contain any hazardous materials (e.g. asbestos) which could be broken and mobilised during demolition. Where such materials are identified, adhere to the requirements for removal and disposal listed in the Work Health and Safety Act 2011, and Work health and Safety Regulation 2011.</li> <li>» Impose low speeds limits around compound sites to limit the generation of dust from vehicle movements.</li> <li>» Install dust monitoring devices to quantify dust levels and determine whether control measures are adequate or whether further actions are required.</li> <li>» Installation of perimeter screening around areas where there is a potential to generate emissions to air and around long-term compound and stockpile locations.</li> <li>» Plan activities and avoid adversely windy conditions which may result in the generation of off-site dust impacts.</li> <li>» Position stockpiling areas as far as possible from surrounding receivers.</li> <li>» Regularly water exposed and disturbed areas and stockpiles especially during inclement weather conditions.</li> <li>» Water demolition areas as necessary to minimise the generation of dust.</li> <li>» Wherever possible and practical, limit the amount of materials stockpiled, extent of disturbed and exposed surfaces. Restoration of cleared areas is to occur as soon as possible.</li> <li>» Apply odour supressing agents to materials as necessary to minimise related impacts should any contaminated or hazardous</li> </ul>	Conformant	<p>All Precincts. An Air Quality and Dust Management Sub-plan has been prepared that addresses these requirements. Dust monitoring procedures are provided in Section 6-1 of the Air Quality and Dust Management Sub-Plan. Triggers and procedures for dealing with significant dust generating activities are provided in Section 6-2. The plan has been distributed for consultation with relevant stakeholders including Relevant Councils, EPA and Health. The AQMP was endorsed by the ER and provided to DPIE with the submission of the CEMP and Sub-plans. Implementation is demonstrated through ECMs, dust monitoring program, Monthly Environmental Monitoring Reports and Hazardous Materials Assessment Reports.</p>





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
	<p>materials be uncovered during the works.</p> <ul style="list-style-type: none"><li>» Construction plant and equipment would be well maintained and regularly serviced so that vehicular emissions remain within relevant air quality guidelines and standards.</li><li>» All vehicles used on site, for transporting materials to or from site, or for any other activities associated with the project, shall be maintained to avoid the emission of excessive air impurities in accordance with Part 5.8 of the Protection of the Environment Operations Act 1997 and the Protection of the Environment Operations (Clean Air) Regulation 2010.</li><li>» All on-road trucks would comply with the relevant Australian emission standards.</li><li>» All chemicals and fuels would be stored in sealed containers as per appropriate regulations and guidelines.</li><li>» The on-site storage of fuel would be kept to a minimum.</li><li>» Unloading of fuels (diesel or liquefied nitrogen gas (LNG)) would be vented via return hoses that recirculate vapours from delivery to receiver.</li><li>» On dry days, unsurfaced haul roads would be watered to aid dust suppression.</li><li>» Stockpiles left for extended periods would be grassed or covered with appropriate material.</li><li>» Chemical/fuel storage tanks would be fitted with a conservation vent (to prevent air inflow and vapour escape until a pre-set vacuum or pressure develops).</li></ul>		



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
BI-05	<p>In addition to the mitigation and management measures described in BI-4, the following mitigation and management measures to avoid and minimise the risk to mangroves would be implemented during construction as part of the flora and fauna management plan. This would include (but is not limited to):</p> <ul style="list-style-type: none"> <li>» Work area planning and management of activities to avoid removing existing mangrove plants.</li> <li>» Temporary wharf/platforms and vessel routes would be planned to avoid pneumatophore zones and minimise erosion.</li> <li>» Remediation of disturbed banks with mangroves/native vegetation, and if required, use of mangrove shrubs/seedlings transplanted from disturbed areas.</li> </ul>	Conformant	<p>All Precincts. Addressed in the Flora and Fauna Management Plan. Commitment in B1-5 has been addressed in Table 7-1 of the Flora and Fauna Management Sub-Plan. The Flora and Fauna Management Sub-plan has been endorsed by the ER on the 9 August 2019 and submitted to the Secretary for information on the 11 November 2019. Following the annual CEMP review process, the revised CEMP and sub-plans were approved by the Secretary on 13-Jan-21. During a previous reporting period, the design review process was successfully undertaken on the Grand Ave drainage and Parramatta River Bridge Abutments to avoid impacts to mangroves.</p>
BI-06	<p>To mitigate fragmentation and reduced habitat connectivity, plant species chosen for revegetation under the bridges would be selected for their shade tolerance (e.g. rainforest understorey species native to the Sydney Basin Bioregion) even if these species are not usually found in the Alluvial Woodland/Riparian Forest vegetation types. This requirement would be translated into the UDLP, where appropriate.</p>	Conformant	<p>All Precincts. Addressed in the Flora and Fauna Management Plan. Commitment in B1-5 has been addressed in Table 7-1 of the Flora and Fauna Management Sub-Plan. The Flora and Fauna Management Sub-plan has been endorsed by the ER on the 9 August 2019 and submitted to the Secretary for information. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. PCPLR have prepared an Urban Design Requirements Report (UDRR) which was endorsed by the ER and approved by DPIE during the Feb-20 to July-20 reporting period (CoAE88). The UDRR (and specifically the Blue Book) satisfies the requirements of the UDLP. Implementation is demonstrated through design package 2502 (PLR11NF-CTX-A02-UD-DRG-502116); plantings under the James Ruse Drive bridge including <i>carex appressa</i> which are shade tolerant.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
BI-07	<p>The flora and fauna management plan would include measures to mitigate habitat loss as a result of the project. These measures would be confirmed during preparation of the plan, and would include:</p> <ul style="list-style-type: none"> <li>» Consideration would be given to fitting roost boxes to the bridges over existing creek crossings to provide roost sites for the Large-footed Myotis and other species of microbats (e.g. Eastern Bentwing-bat) which may utilise such structures. The quantity and location of roost boxes would be determined in consultation with an ecologist to meet the specific needs for the targeted species and would be installed prior to structure disturbance.</li> <li>» Nest boxes of a variety of designs would be installed including boxes suitable for roosting by microbats. Relocation of natural hollows by either affixing them to existing live retained trees or to poles/trunks of felled trees installed in revegetated areas would also be considered as an alternative to nest box installation. The quantity and location of roost boxes would be determined in consultation with an ecologist to meet the specific needs for the targeted species and would be installed prior to disturbance in the area.</li> <li>» Important habitat elements (e.g. large woody debris) would be moved from the construction area to locations outside the clearing area in native vegetation remnants or to stockpiles for later use in vegetation/habitat restoration.</li> <li>» Development of contingency measures with relation to the potential impacts to the Parramatta Grey-headed Flying-fox camp. Suitable winter-flowering vegetation would be preferentially planted in landscaped areas of the site to provide a winter foraging resource for migratory and nomadic nectar-feeding birds and the Grey-headed Flying-fox.</li> </ul>	Conformant	<p>All Precincts. Addressed in the Flora and Fauna Management Plan. Commitment in B1-5 has been addressed in Table 7-1 of the Flora and Fauna Management Sub-Plan. The Flora and Fauna Management Sub-plan was endorsed by the ER on the 9 August 2019 and submitted to the Secretary for information. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. <b>Nest Boxes:</b> In accordance with the nest box strategy (prepared by Narla), 76 nest boxes were installed across Section 1 and Section 3. <b>Habitat Elements:</b> Within Section 1, habitat elements were reused by Western Sydney Local Health District for their development works. Within Section 3, important habitat elements were used in the Vineyard Creek restoration works. <b>Grey-headed Flying Fox:</b> In accordance with the Grey-Headed Flying Fox Monitoring Program, Environmental Work Method Statements were prepared and endorsed by Flying Fox Expert for high noise impact works within 300m of the camp. As part of these Environmental Work Method Statements, the GHFF camp was monitored during the temporary jetty installation works. The inclusion of suitable winter-flowering vegetation has been addressed in the TfNSW Tree Offset Strategy.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
CM-03	<p>For low and medium risk sites, environmental management measures would be applied as detailed in a Construction Contaminated Land Management Plan (CCLMP), as a sub-plan to the CEMP.</p> <p>The measures would be tailored to address any specific locations where contamination is identified through the current contaminated land investigations. This includes worker health and safety measures.</p>	Conformant	<p>All Precincts. Addressed in the Contaminated Land Management Sub-Plan. The Contaminated Land Management Sub-plan was endorsed by the ER on the 9 August 2019 and submitted to the Secretary for information. Site specific measures for nominated low and medium risk sites are reflected in Table 7-1 (measures CL25 to CL32). Prior to commencement of construction, an assessment was prepared to determine the health and safety risks associated with contamination (JBS&amp;G, 25-July-20, ref JBS&amp;G56315-123394 rev B). The assessment determined that the extent of health and safety requirements as specific to asbestos would be sufficient to mitigate the potential impacts from elevated levels of other contaminants found in the rail corridor. The occupational safety requirements for asbestos are detailed in the Asbestos and Air Quality Management Plan (PLR1INF-CPBD-ALL-AH-PLN-000002) as referenced in the Contaminated Land Management Sub-plan.</p>
CM-04	<p>Visual inspections and monitoring would be performed during excavation activities at medium risk AEIs to identify potential indicators of contamination. If suspected contamination is encountered, the materials would be subject to sampling and analysis to determine management requirements and suitability for reuse, recycling or remediation.</p>	Conformant	<p>All Precincts. Addressed in the Contaminated Land Management Sub-Plan. Commitment in CM-4 is covered by Table 7-1. The Contaminated Land Management Sub-plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Implementation of this requirement during the reporting period is reflected in relevant ECMS.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
CM-05	Construction activities within AEI 23 (Sandown Line, including 27 Grand Avenue, Camellia) would be carried out under asbestos control and removal conditions by an appropriately licensed asbestos contractor.	Conformant	Rosehill and Camellia. Addressed in the Contaminated Land Management Sub-Plan. Commitment in CM-5 is covered by Table 7-1. The Contaminated Land Management Sub-plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. Reflecting the requirements of the Asbestos and Air Quality Management Plan, the Sandown Line is defined as a Zone B (Orange Zone); trace levels of asbestos is present and asbestos controls are required to be implemented in accordance with the Plan. Evidence of implementation is demonstrated by the Monthly Environmental Monitoring Reports which include outcomes of the asbestos air monitoring program (refer to CoA C16 and the CPB project website <a href="https://www.cpbcon.com.au/en/our-projects/2018/building-parramatta-light-rail">https://www.cpbcon.com.au/en/our-projects/2018/building-parramatta-light-rail</a> ).
CM-06	An unexpected finds procedure would be developed and implemented as part of the project CCLMP, outlining a set of potential contamination issues which could be encountered, and detailing the corrective actions to be implemented.	Conformant	All Precincts. An unexpected finds procedure has been developed and implemented as part of the project CCLMP, outlining a set of potential contamination issues which could be encountered, and detailing the corrective actions to be implemented. The Contaminated Land Management Sub-plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
GEN-02	<p>A construction compounds plan would be prepared for the project as part of the overall CEMP. This sub-plan would set out details for each of the approved construction compounds, including stockpile areas, laydown areas and other ancillary activities required to construct the project. The sub-plan would supplement, in greater detail, the information provided in the main body of the CEMP. The objectives and strategies of the construction compounds and ancillary facilities management sub-plan would include the following:</p> <ul style="list-style-type: none"> <li>» Minimise the impact of construction compounds on surrounding land uses and sensitive receivers.</li> <li>» Locate construction compounds away from sensitive land uses and receivers, wherever practical and feasible, or configure internal compound layouts in a manner that considers noise and light sensitive receivers (e.g. use of buildings to shield noisy activities, minimising the requirement for reversing vehicles, or locating noise intensive activities to maximise the distance to noise sensitive receivers).</li> <li>» Manage stockpile areas to minimise potential pollution of watercourses, groundwater and local air quality.</li> <li>» Minimise the clearing of vegetation (e.g. street trees and trees within public open spaces) to the minimum amount necessary to construct the project, particularly where construction compounds are proposed in public open spaces/parkland areas.</li> <li>» Locate construction compounds away from (or able to be managed in such a way so as to not impact on) heritage items and high retention value trees.</li> <li>» Locate construction compounds away from or implement management measures so as to not impact on waterways.</li> <li>» Flood response measures for compounds that are located on land affected by the 20 year ARI flood level (e.g. bridge support construction compounds).</li> <li>» Situate construction compounds and ancillary facilities on relatively level ground, and avoid excavation in construction compounds where risk of heritage impacts or disturbance of contaminated material.</li> <li>» Minimise the visual impact of construction compounds and ancillary facilities through either siting such facilities away from sensitive receivers (where practical and feasible) and/or providing screening.</li> <li>» Reinstatement strategies for construction compounds. As a minimum, this would include:               <ul style="list-style-type: none"> <li>• At the completion of construction, all plant, temporary buildings or vehicles would be removed.</li> <li>• All land, including roadways, footpaths or other land having been</li> </ul> </li> </ul>	Conformant	All Precincts. Addressed by the Site Establishment Management Plan (CoA C18). The SEMP was endorsed by the ER and approved by the Secretary on the 21 November 2019. During the Feb-20 to July-20 reporting period, the SEMP was revised to include the O'Connell Street ancillary facility and subsequently approved by DPIE.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
	<p>occupied temporarily would be returned to their pre-existing condition or better.</p> <ul style="list-style-type: none"><li>• Reinstatement of community spaces, infrastructure and services would occur as soon as possible after completion of construction.</li></ul> <p>Environmental management measures for construction compounds would be developed as part of the overall CEMP, with the construction compounds sub-plan identifying where such measures are documented within the CEMP.</p>		



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
GG-03	Management of emissions would be incorporated into site inductions, training and pre-start talks.	Conformant	All Precincts. Addressed in the Delivery Phase Sustainability Management Plan. Contained within of Appendix D (Carbon and Energy Management Subplan) Delivery Phase Sustainability Management Plan. During the reporting period, management of emissions was incorporated into the induction, onboarding and toolbox talks.
GG-05	Local procurement of construction services and materials would be undertaken (where feasible and cost effective) to reduce fuel consumption for transport. Where practical and reasonable, construction planning would ensure that deliveries are managed in an efficient manner to minimise the number of trips required and therefore reduce the amount of emissions.	Conformant	All Precincts. Addressed in the Delivery Phase Sustainability Management Plan. Contained within Appendix D (Carbon and Energy Management Subplan) of the Delivery Phase Sustainability Management Plan. Local procurement is considered within the procurement process through the Financial / Non-Financial Form. Query within relates to distance of supplier to the project and provides a score based on this which is integrated into the overall rating (concrete evaluation provided as an example). Program planning ensures that construction works are undertaken in stages e.g. drainage, paving, to minimise trips.
GG-06	Energy efficient work practices, such as switching off construction plant, vehicles and equipment when not in use to minimise idling, would be implemented during construction.	Conformant	All Precincts. Addressed in the Delivery Phase Sustainability Management Plan. Contained within Appendix D (Carbon and Energy Management Subplan) of the Delivery Phase Sustainability Management Plan. Included within project induction to all staff. Inspection forms include this as a criteria to be evaluated through Sustainability Inspections (template attached).





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GG-07	Regular monitoring, auditing and reporting on energy, resource use and associated greenhouse gas emissions would form part of the environmental reporting requirements specified within the CEMP, and would be carried out.	Conformant	All Precincts. Addressed in the Delivery Phase Sustainability Management Plan. Contained within Appendix D (Carbon and Energy Management Subplan) of the Delivery Phase Sustainability Management Plan. An internal audit was conducted during the reporting period and all actions were closed prior to the nominated target dates. Monitoring, auditing and reporting on energy use including renewable electricity, fuel usage and associated greenhouse gas emissions is undertaken on a monthly basis through the Sustainability Reporting Dashboard and Monthly Report. NGER (energy and fuel usage) is monitored by the commercial team with every monthly claim.
GG-08	Selection of materials during detailed design and construction planning to ensure products with low embodied carbon or recycled materials are considered and used.	Conformant	All Precincts. Addressed in the Delivery Phase Sustainability Management Plan. Contained within of Appendix D (Carbon and Energy Management Subplan) Delivery Phase Sustainability Management Plan.
GG-09	During construction, greenhouse gas emissions associated with consumption of electricity of the project would be offset to the target specified in the energy and greenhouse gas strategy.	Conformant	All Precincts. Addressed in the Delivery Phase Sustainability Management Plan. Contained within of Appendix D (Carbon and Energy Management Subplan) Delivery Phase Sustainability Management Plan. A GreenPower contract was established for the Fennell Street office to offset electricity consumption to the target specified.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
GW-02	A condition assessment of existing buildings and infrastructure located in those areas that may potentially be affected by groundwater drawdown as a result of the project would be carried out prior to and following construction to monitor the risk of settlement from groundwater drawdown.	Conformant	All Precincts. Addressed in the Soil and Water Management Sub-plan. The conditions assessments have been added to the inspection and monitoring and reporting registers in Section 8 of the Soil and Water Management Sub-Plan. The Soil and Water Management Sub-plan was endorsed by the ER on the 12 August 2019 and submitted to the Secretary for information. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. Geotechnical investigations have been undertaken to identify potential areas of groundwater drawdown and buildings within those areas. In addition, condition reports have been prepared in accordance with CoA E6 for all existing roads and existing property and infrastructure in the road reserve where the physical condition is likely to be adversely affected during work.
GW-03	Excavation techniques would be adopted to minimise impacts on aquifers	Conformant	All Precincts. Addressed in the Soil and Water Management Sub-plan. The Soil and Water Management Sub-plan was endorsed by the ER on the 12 August 2019 and submitted to the Secretary for approval. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. During the reporting period, there were no excavation works undertaken which resulted in aquifer impacts.



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GW-04	Hazardous material procedures (including procedures for managing spills and refuelling and maintaining construction vehicles/equipment) would be developed and implemented as part of the CEMP to minimise potential for groundwater quality impacts due to chemical spills.	Conformant	All Precincts. Addressed in the Soil and Water Management Sub-plan (Section 7, control measures SW 57-89). A range of control measures have been included based on the TfNSW's Chemical Storage and Spill Response Guidelines, (9TP-SD-066/3.0, 2015), TfNSW's Concrete Washout Guideline (3TP-SD-112/2.0, 2015) and relevant Australian Standards and Codes. Also addressed under the Construction Contaminated Land Management Sub Plan (CLMP) under section 7.5 and table 7-1. Implementation during the reporting period was demonstrated through ECMs and environmental inspections.
GW-05	No new wells would be drilled to extract water for construction use.	Conformant	All Precincts. Addressed in the Soil and Water Management Sub-plan, Section 7, control measures SW-45. No new wells will be drilled to extract water for construction use. Existing wells or alternate potable or non-potable construction water sources will be utilised. The Soil and Water Management Sub-plan was endorsed by the ER on the 12 August 2019 and submitted to the Secretary for information. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
HE-01	<p>Three archaeological management zones have been developed for the project to manage archaeology with varying levels of significance throughout the project corridor. The general mitigation and management measures to be applied to each management zone are outlined below. The precinct-specific measures identify which management zone(s) measures apply to each archaeological management unit (HAMU) within a precinct.</p> <p>» The following mitigation and management measures would be implemented for Zone 1 – State significant historical archaeology:</p> <ul style="list-style-type: none"> <li>• A heritage induction would be carried out for all contractors, to be developed as part of the heritage management plan.</li> <li>• An Archaeological Research Design (ARD) would be prepared by a qualified archaeologist in accordance with Heritage Division requirements, prior to the commencement of works. The ARD would outline a methodology for the investigation, monitoring and/or salvage of archaeological resources.</li> <li>• An excavation director who meets the NSW Heritage Branch requirements for directing State significant archaeological investigations must manage the works.</li> <li>• Impact or removal is generally unacceptable for State significant archaeology identified as being highly intact and if proposed should be justified appropriately by the excavation director.</li> <li>• In situ retention of archaeological remains would be considered in accordance with the ARD as required.</li> <li>• The NSW Heritage Division would be notified should intact State significant relics be unexpectedly identified.</li> <li>• Public engagement, such as open days or media releases, would be considered where feasible to inform the public of the archaeological findings and proposed management measures.</li> <li>• Post-excavation reporting, artefact analysis and relics conservation would be carried out if relics are identified.</li> </ul> <p>» The following mitigation and management measures would be implemented for Zone 2 – Locally significant historical archaeology:</p> <ul style="list-style-type: none"> <li>• A heritage induction would be carried out for all contractors, to be developed as part of the heritage management plan.</li> <li>• An ARD would be prepared by a qualified archaeologist in accordance with Heritage Division requirements, prior to the commencement of works. The ARD would outline a methodology for the investigation, monitoring and/or salvage of archaeological resources.</li> <li>• Archaeological monitoring would be carried out by a suitably qualified excavation director, followed by open area salvage (if required).</li> <li>• Impact or removal is likely to be considered acceptable if</li> </ul>	Conformant	<p>All Precincts. Addressed in the Heritage Management Sub-plan. Section 7 details mitigation measures to be undertaken in order to reduce impacts on heritage items. Table 6-2 and 6-3 detail site-specific Zone 1 HAMU mitigation measures. The requirements of the HARD have been included as mitigation measure H8 and were implemented in accordance with CoA E73 during the reporting period. Section 8 outlines risk management strategies relating to Non-Aboriginal heritage. The Heritage Management Sub-plan has been endorsed by the ER on the 13 August 2019 and approved by the Secretary on the 21st November 2019. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. During the reporting period, post-excavation reporting continued and archaeological monitoring was undertaken in accordance with the HARD.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
	<p>appropriate mitigation and management measures are followed as outlined in the ARD.</p> <ul style="list-style-type: none"><li>• Public engagement, such as open days, would be considered where feasible to inform the public of the archaeological findings and proposed management measures.</li><li>• Post-excavation reporting, artefact analysis and relics conservation would be carried out if relics are identified.</li></ul> <p>» The following mitigation and management measures would be implemented for Zone 3 – Nil-low archaeological resource present:</p> <ul style="list-style-type: none"><li>• A heritage induction would be carried out for all contractors, to be developed as part of the heritage management plan.</li><li>• Works are unlikely to impact on significant archaeological resources; however, an archaeologist would be engaged should any unexpected potential archaeological remains be encountered in accordance with an unexpected finds procedure.</li></ul>		



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HE-03	<p>Archaeological monitoring (i.e. the monitoring of construction excavation activities by a qualified archaeologist) would be carried out as required by the archaeological research design. Examples of where archaeological monitoring may be required include:</p> <ul style="list-style-type: none"> <li>» Low impact construction activities (such as narrow trenching) in areas of moderate to high potential for local or State significant relics.</li> <li>» Areas with low potential to contain remains of State significance.</li> </ul>	Conformant	<p>All Precincts. Addressed in the Heritage Management Sub-plan. Section 7 details mitigation measures to be undertaken in order to reduce impacts on heritage items. Archaeological monitoring measures have been included as mitigation measure H8. Section 8 outlines risk management strategies relating to Non-Aboriginal heritage. During the reporting period, archaeological monitoring was undertaken of utility relocations, drainage works, and the main track alignment box out as specified in ECMs. The outcomes will be reported in the Archaeological Excavation Report prepared in accordance with CoA E75.</p>
HE-04	<p>As detailed design progresses, opportunities to avoid or further minimise impacts to identified archaeological sites of State and local significance would be considered and documented in the design report.</p> <p>The project design would be sympathetic to identified potential archaeological resources items (i.e. in archaeological management Zones 1 and 2) and, where reasonable and feasible, minimise impacts to those resources. The detailed design for sections of the project that would impact on known archaeological resources would be developed in consultation with a qualified archaeologist and relevant stakeholders as advised (e.g. the OEH and City of Parramatta Council).</p>	Conformant	<p>All Precincts. Addressed in the Heritage Management Sub-plan. Section 7 details mitigation measures to be undertaken in order to reduce impacts on heritage items. During the Feb-20 to July-20 reporting period, the Heritage Architect and Excavation Directors have continued to participate in design review process including clash analysis, review of key design packages and consultation in accordance with Condition E65. This has been documented in the consultation workshop minutes with DPC Heritage, the Heritage Impact Report, Environmental Design Review Reports and relevant DDR designs. The Heritage Impact Report was submitted to the City of Parramatta Council during a previous reporting period. Refer to CoA E65 for details of consultation undertaken with Heritage NSW. During the reporting, a design review process was undertaken and resulted in the avoidance of heritage impact at 153 George Street. This process occurred in consultation with Heritage NSW.</p>



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HE-08	<p>In relation to HAMU 18 – The Town Drain – Macquarie Street and Barrack Lane, alternative construction methods would be investigated and considered for works in the location of the town drain in George Street in order to retain this section of the drain where feasible.</p>	Conformant	<p>Parramatta CBD. Addressed in the Heritage Management Sub-plan. Additional mitigation measures for HAMU 18 have been included in Table 6-3. Section 8 outlines risk management strategies relating to Non-Aboriginal heritage. The Heritage Management Sub-plan was endorsed by the ER on the 13 August 2019 and submitted to the Secretary for approval. Archaeological testing at HAMU 18 was undertaken during the Feb-20 to July-20 reporting period. While impact was unavoidable in some locations, alternative construction methods were employed to reduce impact (e.g. Telstra conduits were stacked to reduce the number of sandstone blocks that would be impacted). The design review process was undertaken in consultation with DPC Heritage and redesign was frequently undertaken.</p>
HE-09	<p>Appropriate heritage interpretation would be incorporated into the detailed design of the project and would include results of archaeological investigations. An interpretation plan would be prepared for the project 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.</p> <p>This would apply across the project, in particular in relation to the following items:</p> <ul style="list-style-type: none"> <li>» Cumberland District Hospital Precinct.</li> <li>» Royal Oak Hotel and Stables.</li> <li>» Ancient Aboriginal and Early Colonial Landscape (Robin Thomas Reserve).</li> <li>» Camellia Underbridge Abutments (south and north).</li> <li>» Dundas Railway Station Group.</li> <li>» Carlingford Stock Feeds.</li> </ul>	Conformant	<p>All Precincts. Addressed in the Heritage Management Sub-plan. Table 6-2 and Section 7 details mitigation measures to be undertaken in order to reduce impacts on heritage items. A Heritage Interpretation Strategy and Heritage Interpretation Implementation Plan has been prepared in accordance with CoA E64 and the Strategy was submitted to the Secretary for information. This is also a technical requirement that will be addressed in the detailed design and the Environmental Design Review Report. RVTM Reference: PLR1-INF-296362. Consultation with DPC Heritage and CoPC on the Heritage Interpretation Implementation Plan occurred during the reporting period and delivery of devices progressed. Where relevant, interpretation initiatives have been incorporated into the detailed design of the project (refer to evidence HE09-1).</p>





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
HE-11	<p>During detailed design and construction planning, opportunities to minimise impacts on the Cumberland District Hospital Precinct would be explored including:</p> <ul style="list-style-type: none"> <li>» Considering a wire-free design in this area to reduce visual impacts.</li> <li>» Design of the Parramatta North Bridge to minimise visual impacts and retain significant views and vistas to the nineteenth century heritage landscape. A high-quality design would be prepared in consultation with an experience heritage architect.</li> <li>» The light rail stop would be designed to minimise visual impacts. Appropriate tree plantings would be included in the design to soften the relationship of the light rail stop in the existing environment.</li> <li>» Design of roadworks would seek to prioritise the retention and protection of kerbing.</li> <li>» Impacts significant trees and plantings would be avoided where possible.</li> </ul> <p>The Heritage Division (as delegate of the NSW Heritage Council) would be consulted during detailed design.</p>	Conformant	<p>Westmead; Parramatta North. Addressed in the Heritage Management Sub-plan. Section 7 details mitigation measures to be undertaken in order to reduce impacts on heritage items. Table 6-2 addresses site specific mitigation measures for the Cumberland Distinct Hospital Precinct to be implemented during pre-construction and construction phases of the Project. This is also a technical requirement that has been addressed in the detailed design and the Environmental Design Review Report. RVTM Reference: PLR1-INF-296410. During the reporting period, regular consultation was undertaken with DPC Heritage on the detailed design and actions taken to minimise impact. Prior to and during the reporting period, heritage architect GML have provided PCPLR with independent heritage review at each stage of detailed design. The review advice is detailed in the Heritage Impact Report and the design revisions are detailed in the relevant design package.</p>
HE-15	<p>Prior to total or partial demolition of heritage items or elements located within the boundaries of a heritage item, heritage fabric would be identified for salvage and reuse opportunities considered. Components of high and exceptional significance recommended for conservation and reuse would be listed within a salvage schedule to be incorporated within a Salvage Scheme for the project. The scheme would indicate appropriate storage locations as well as appropriate types of buildings and structures where the salvaged elements may be reused. This would apply to the following items:</p> <ul style="list-style-type: none"> <li>» Cumberland District Hospital Precinct.</li> <li>» Stone kerbing and trees (I362).</li> <li>» Stone kerb and gutter (I353).</li> <li>» Stone kerb and gutter (I329).</li> <li>» Camellia Underbridge Abutments (south and north).</li> <li>» Dundas Railway Station Group (platforms).</li> </ul>	Conformant	<p>Parramatta North; Rosehill and Camellia; Carlingford. Addressed in the Heritage Management Sub-plan. The Heritage Archival Recording and Salvage Report was submitted to DPIE for information on 30-Sept-20 (PLRM-TFNSW-DOP-TX-000047). It is noted that Volume 2 of the Heritage Archival Recording and Salvage Report (Salvage Report section) was initially prepared as a stand-alone document and finalised in May 2020.</p>





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HE-16	<p>For State Heritage Register items, existing Conservation Management Plans (CMPs) would inform the design and construction methodology in that area. Where impacts to SHR items would modify the item or impact significant elements, updated CMPs would be prepared which would include recommendations on amendments to curtilage. This would apply to the following items:</p> <ul style="list-style-type: none"><li>» Cumberland District Hospital Precinct.</li><li>» St Patrick's Roman Catholic Cemetery.</li><li>» Alfred Square (and potential archaeological site) (when listed).</li><li>» Lennox Bridge.</li><li>» Ancient Aboriginal and Early Colonial Landscape (Robin Thomas Reserve).</li><li>» Sewage Pumping Station 67.</li><li>» Rydalmere Hospital Precinct (former).</li><li>» Dundas Railway Station Group.</li></ul>	Conformant	<p>Parramatta North; Parramatta CBD; Rosehill and Camellia; Carlingford. Addressed in the Heritage Management Sub-plan. Commitment covered in Table 6-2, Section 7 and Table C2. This is also a technical requirement that has been addressed in the detailed design and the Environmental Design Review Report. RVTM Reference: PLR1-INF-296470, PLR1-INF-296472, PLR1-INF-296474, PLR1-INF-296476, PLR1-INF-296478, PLR1-INF-296480, PLR1-INF-296482, PLR1-INF-296484, PLR1-INF-296486. During the production of the Heritage Impact Reports, the Heritage Architect has consulted the Conservation Management Plans (CMPs) for State Heritage Register items where they exist. These provide greater detail about the significance and values of sites and their elements, which in turn has informed the impact assessment. Conservation policies found in the CMPs have also been consulted to determine best practice in developing the impact mitigation measures included in the Heritage Impact report. Preparation of CMP Addendum reports is in progress for those heritage items listed in this REMMM which were impacted by the Infrastructure Works and where a CMP exists (Cumberland District Hospital Precinct, Lennox Bridge and Dundas Railway Station Group). During the reporting period, CMP addendum were commenced in consultation with CMP owners.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
HE-17	<p>During detailed design and construction planning, opportunities to reduce direct impacts on trees where they contribute to the heritage character of a location would be investigated in accordance with the tree mitigation and management measures, including trees and plantings associated with the following heritage items:</p> <ul style="list-style-type: none"> <li>» Cumberland District Hospital Precinct.</li> <li>» Street trees along O'Connell Street that form part of heritage item (I362).</li> <li>» St Patrick's Roman Catholic Cemetery.</li> <li>» Alfred Square (and potential archaeological site).</li> <li>» Ancient Aboriginal and Early Colonial Landscape (Robin Thomas Reserve).</li> <li>» Queen's Wharf Reserve and stone wall and potential archaeological site.</li> <li>» Wetlands.</li> <li>» Trees in median strip.</li> <li>» Rydalmere Hospital Precinct.</li> </ul>	Conformant	<p>Parramatta North; Parramatta CBD; Rosehill and Camellia; Carlingford. Addressed in the Heritage Management Sub-plan and Heritage Impact Report. Specifically, Section 6.5 and 6.6 of the Heritage Impact Report provides a record of current and previously implemented heritage mitigation measures regarding significant trees. Impacts to heritage trees were investigated during detailed design. Root mapping has been undertaken of trees in Robin Thomas Reserve and the Cumberland to inform the retention strategy.</p>
HE-21	<p>An Aboriginal and non-Aboriginal Management Plan would be prepared as described in AB-2.</p> <p>In addition, archaeological monitoring of construction excavation activities would be carried out by a qualified archaeologist based on the archaeological research design to record any significant remains uncovered by excavation (in accordance with HE-3). Examples of where archaeological monitoring may be required include:</p> <ul style="list-style-type: none"> <li>» Low impact construction activities (such as narrow trenching) in areas of moderate to high potential for local or State significant relics.</li> <li>» Areas with low potential to contain remains of State significance.</li> </ul>	Conformant	<p>All Precincts. Addressed in the Heritage Management Sub-plan. The Sub-plan has been developed to address both Aboriginal and Non-Aboriginal impacts. Mitigation measures to minimise impacts are outlined in Section 7. Monitoring requirements have been outlined in Section 10.3. The Heritage Management Sub-plan was endorsed by the ER and approved by the Secretary on 21 November 2019. Following the annual CEMP review process, the revised Heritage Management Sub-plan was submitted to the Secretary on 23-Dec-21. Archaeological monitoring continued to be undertaken during the reporting period under the instruction of the Excavation Director.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
HE-22	<p>The construction methodology (including for demolition of existing buildings and/or structures) would be developed to minimise direct and indirect impacts on adjacent and/or adjoining heritage items. This would include consideration of potential (vibration related impacts, where identified in the Construction Noise and Vibration Management Plan.</p>	Conformant	<p>All Precincts. Addressed in the Heritage Management Sub-plan. The construction methodology considers potential impacts to heritage items. These requirements are communicated through the site induction, toolbox talks and pre-starts and documented on relevant ECMs. The Heritage Management Sub-plan was endorsed by the ER on the 13 August 2019 and approved by the Secretary on 21 November 2019. Following the annual CEMP review process, the revised Heritage Management Sub-plan was submitted to the Secretary on 23-Dec-21. Detailed investigations of the construction methodology were undertaken in consultation with DPC Heritage and Renzo Tonin (noise and vibration consultant) for the micro-tunnel which traversed through the Lennox Bridge wing wall. In addition, a detailed construction methodology was developed to minimise impact to the Stables during the demolition of the Royal Oak Hotel. This included vibration monitoring to assess vibration related impacts.</p>
HR-05	<p>Environmental management measures relating to hazards and risk would be developed and implemented as part of the CEMP. These would include:</p> <ul style="list-style-type: none"> <li>» Potential environmental hazards and risks associated with construction activities would be identified prior to construction.</li> <li>» The storage of hazardous materials, and refuelling/maintenance of construction plant and equipment would be carried out in clearly marked and bunded areas within the construction site that are designed to contain spills and leaks in accordance with Australian Standards and DECCW guidelines.</li> <li>» Hazardous materials would not be stored below the ten per cent AEP flood level flood level.</li> <li>» Chemical spill kits would be readily available and accessible to construction workers. Kits would be kept at site compounds and on specific construction vehicles, and all hazardous materials spills and leaks would be reported to site managers and actions would be immediately taken to remedy spills and leaks.</li> <li>» Employees would be trained in the correct use of spill kits.</li> </ul>	Conformant	<p>All Precincts. Addressed in the Construction Environmental Management Plan. An Environmental Risk Analysis has been undertaken for the project and is contained in Appendix B. Relevant controls relating to the storage of hazardous materials and chemical spill kits are detailed in the Soil and Water Quality Management Sub-Plan in Section 7 and 8 and Table 8-1 (mitigation measures SE14 and SE23). Implementation is evidenced by ECMs and Environmental Inspections.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
HR-06	A process for regularly reviewing work practices/procedures would be implemented throughout construction to identify, report and respond to any new environmental hazards/risks.	Conformant	All Precincts. Addressed in the CEMP. The process for ongoing environmental risk analysis is outlined in the CEMP in Section 1.5.1 and 3.1.1. The environmental risk register for the Infrastructure Works is detailed in the CEMP (Appendix A2). The risk register is reviewed annually, at minimum, and in response to significant issues, incidents and non-compliances. The outcomes of the risk register are reflected in the Project Risk Register and is implemented through the Work Packs and ECMs.
HR-08	All cables would be buried within ducts and would adhere to all International and Australian electrical standards in terms of distances from surrounding cables (i.e. adjacent high voltage cables require minimum separation in accordance with industry standards).	Conformant	All Precincts. Addressed in the Utility Service Management Sub-Plan. Reflecting the requirements of the Utility Service Management Plan, buried cables and ducts would adhere to all international and Australian electrical standards. Assurance is provided by the compliance tracking standards for the project.
HY-02	Contemporary good practice guidelines would be followed to ensure stormwater runoff from the project area receives adequate water quality treatment, where required. Water quality guidelines to be followed include the Water Sensitive Urban Design Guideline. Applying water sensitive urban design to NSW Transport projects (Transport for NSW, 2017, Managing Urban Stormwater, Environmental Targets Consultation Draft (DECCW, 2007) and Managing Urban Stormwater: Council Handbook (EPA, 1997). This would include consideration of water quality treatment devices into the drainage design, such as Gross Pollutant Traps (GPTs) and other Water Sensitive Urban Design (WSUD) treatment measures such as water quality basins and biofiltration swales, where required to achieve the relevant targets. The location and specification for these would be determined through the detailed design and documented in the design report.	Conformant	All Precincts. Addressed in the Project wide Water Quality Assessment Report (RVTM Reference: PLR1-INF-295856).



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
HY-04	<p>A Flood Management Strategy would be prepared for the project, to include an update of the flood impact assessment undertaken for the EIS (refer Technical Paper 7) to inform the detailed design, re-assess the level of flood immunity of the project and to identify potential impacts of the project on flood behaviour. The strategy would demonstrate how the project design achieves the desired Performance Criteria (refer to Table 17.5 of the EIS)</p> <p>The Flood Management Strategy would identify design responses and construction management measures that would be implemented in design or during construction. Construction management procedures would be detailed in the Construction Environmental Management Plan. The Flood Management Strategy would be prepared in consultation with the City of Parramatta Council.</p>	Conformant	<p>All Precincts. This requirement has been addressed through the Flood Management Design Report which was prepared in accordance with CoA E113. This is also a technical requirement that has been addressed in the detailed design and the Environmental Design Review Report. RVTM Reference: PLR1-INF-295861. The Flood Management Design Report was endorsed by the ER on 27-Sep-21. Construction management measures are included in the Flood Management Sub-plan of the CEMP.</p>
HY-07	<p>During construction, any water collected from the worksites would be treated and discharged in accordance with current guidelines to avoid any potential contamination or local stormwater system impacts. These guidelines include:</p> <ul style="list-style-type: none"> <li>» The Blue Book - Managing Urban Stormwater: Soils and Construction (Landcom, 2004 and DEC 2008).</li> <li>» Transport for NSW Water Discharge and Reuse Guideline 7TP-SD-024.</li> </ul> <p>All water (including groundwater) requiring disposal during construction would be tested and treated in accordance with the Transport for NSW Water Discharge and Reuse Guideline 7TP-SD-024 and the Waste Classification Guidelines (OEH, 2016) prior to disposal. If required, water treatment would occur to ensure guidelines are met prior to water disposal. Treatments may include sediment basins and pH neutralisation.</p>	Conformant	<p>All Precincts. Addressed in the Soil and Water Management Sub-plan. Appendix B provides a construction site dewatering and discharge procedure that was developed with reference to the nominated guidelines. On the 3-Jan-2020 PCPLR were issued with an Environmental Protection Licence (EPL 21347) from the NSW EPA which included pollution limits for discharge of water from site. During the reporting period, works were undertaken in accordance with the requirements of this REMMM as demonstrated by the Monthly Environmental Monitoring Reports, ECMs and discharge permits (incorporating monitoring conducted by Environmental Coordinators).</p>
HY-08	<p>Large areas of disturbance such as compound areas and stockpile sites would, where feasible and reasonable, be located away from any surface runoff flow paths and above the 10% AEP flood levels.</p>	Conformant	<p>All Precincts. Addressed in the Flood Management Sub-plan (Construction) (CoA C3c) Table 7-1 details mitigation measures to be undertaken in order to avoid, minimise or manage impacts to hydrology and to minimise impacts to construction in the event of a flood. This requirement is also addressed in the Site Establishment Management Plan (CoA C18) and was implemented during the reporting period through ECMs.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
HY-09	The design of stormwater outlets would consider the need for scour protection measures. Typical scour protection might include concrete energy dissipating structures or dumped stone rip rap.	Conformant	All Precincts. This is a technical requirement that has been addressed in the detailed design and the Environmental Design Review Report. The AFC drainage drawings detail the outlet structure and tailor works that demonstrate that scour protection measures have been included in the design. During a previous reporting period, scour protection was incorporated in the design for Grand Avenue and Bridge Road Bridge.
HY-10	The construction planning will demonstrate that it has considered measures for construction of new or modification of existing bridges that minimise impacts on waterways (e.g. in a design report or constructability assessment). This would include consideration of: » Maximising use of pre cast elements to minimise construction works within the floodplain. » Minimising temporary formwork requirements and removal of formwork as soon as possible after completion of each work stage. » Minimising extent and duration of use of temporary structures required within the waterway. » Staging works to minimise the duration of construction activities within the waterway.	Conformant	All Precincts. Addressed in the Flood Management Plan, Table 7-1 details mitigation measures to be undertaken in order to avoid, minimise or manage impacts to hydrology and to minimise impacts to construction in the event of a flood. This includes the use of pre-cast components in the floodplain. A detailed assessment of the impact of new and modified bridges on waterways has been addressed in the Flood Management Design Report (CoA E113). This is also a technical requirement that has been addressed in the detailed design and the Environmental Design Review Report. RVTM Reference: PLR1-INF-296784, PLR1-INF-296787
LU-01	The overall disturbance footprint would be refined during detailed design to identify areas where the footprint could be minimised to reduce impacts on existing land uses. Detailed staging of the project would also be determined during detailed design and would aim to minimise the time that affected land uses are impacted during construction.	Conformant	All Precincts. This was undertaken during detailed design to reduce the footprint of disturbance proposed by end state works. Construction staging has also been reviewed periodically to reduce the duration that staging areas are impacted.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
LU-03	Consultation would be carried out prior to and throughout construction with the surrounding businesses, the local community and key stakeholders including City of Parramatta Council, Western Sydney University, NSW Health, UrbanGrowth NSW Development Corporation, Greater Sydney Commission and other potentially impacted stakeholders to advise them in advance of proposed works and any temporary access arrangements that may be required.	Conformant	All Precincts. Appendix B in the Communication and Engagement Management Plan identifies key stakeholders and engagement tools /activities that can be used for consultation. During the reporting period, PCPLR attended the PLR Business Reference Group and interface meetings with City of Parramatta Council and Health Administration Corp (HAC representing NSW Health). In addition, consultation was undertaken with iNSW (formerly Urban Growth NSW Development Corporation) in relation to design and construction impacts. Community consultation undertaken during the reporting period is detailed in the E39 and E37 Quarterly Community Consultation Reports (refer to CoA E39).





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
NV-03	<p>In the event of predicted exceedances of the noise goals, particularly during out-of-hours works, additional noise mitigation and management measures to be considered in the CNVMPs as described in the CNS. Additional mitigation and management measures would be determined on a site specific basis and are dependent upon the level of predicted impact. Additional mitigation and management measures which would be considered include:</p> <ul style="list-style-type: none"> <li>» Periodic notifications – These include regular newsletters, letterbox drops or advertisements in local papers to provide an overview of current and upcoming works and other topics of interest.</li> <li>» Website updates – The project website would form a resource for members of the community to seek further information, including CNVMPs and current and upcoming construction activities.</li> <li>» Project info-line and construction response line – Transport for NSW will operate a construction response line and a project info-line (1800 775 465). These numbers will provide a dedicated 24-hour contact point for any complaints regarding construction works and for any project enquiries. All complaints require a verbal response within two hours. All enquiries require a verbal response within 24 hours during standard construction hours, or on the next working day during out-of-hours work (unless the enquirer agrees otherwise).</li> <li>» Email distribution list – An email distribution list would be used to disseminate project information to interested stakeholders.</li> <li>» Signage – Signage on construction sites would be provided to notify stakeholders of project details and project emergency or enquiry information.</li> <li>» Specific notifications – Specific notifications would be letterbox dropped or hand distributed to the nearby residences and other sensitive receptors no later than seven days ahead of construction activities that are likely to exceed the noise objectives. This form of communication is used to support periodic notifications, or to advertise unscheduled works.</li> <li>» Phone calls – Phone calls may be made to identified/affected stakeholders within seven days of proposed work. For these works considering the large numbers of receptors, phone calls are not likely to be considered a reasonable mitigation and management measure in all cases, but could be used to inform specific receptors if requested (after notification of the works as above).</li> <li>» Individual briefings – Individual briefings may be used to inform stakeholders about the impacts of high noise activities and mitigation and management measures that would be implemented. Communications representatives from the contractor(s) would visit identified stakeholders at least 48 hours ahead of potentially disturbing construction activities. Considering the large numbers of</li> </ul>	Conformant	<p>All Precincts. Addressed by the development of the Noise and Vibration Management Plan in accordance with CoA C3b. The Noise and Vibration Management Sub-plan was endorsed by the ER on the 15 August 2019 and approved by the Secretary on 21 November 2019. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. Implementation was demonstrated during the reporting period through CNVISs which were prepared for the alignment and OOHW Permits (as required).</p>





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
	<p>potentially affected receptors, individual briefings may not be considered a reasonable mitigation and management measure in all cases, but could be used for specific receptors if requested (after notification of the works as above).</p> <p>» Monitoring – Ongoing noise monitoring during construction at sensitive receptors during critical periods would be used to identify and assist in managing high risk noise events. Monitoring of noise would also be carried out in response to complaints. All noise monitoring would be carried out by an appropriately trained person in the measurement and assessment of construction noise and vibration, who is familiar with the requirements of the relevant standards and procedures.</p> <p>» Project specific respite offer – Residents subjected to lengthy periods of noise or vibration may be eligible for a project specific respite offer. The purpose of such an offer is to provide residents with respite from an ongoing impact. An example of a respite offer might be pre-purchased movie tickets. The provision of this measure would be determined on a case-by-case basis. Project specific respite offers are unlikely to be reasonable and feasible in the CBD precinct. This is partly due to the impracticability of providing respite offers to large numbers of people during the proposed 24-hour works, but also reflects the existing evening and weekend noise environment in the Parramatta CBD precinct.</p> <p>» Alternative accommodation – As described in the CNS, provision of alternative accommodation for residents should be considered in the event that highly intrusive noise impacts are predicted during the night-time period (between 10 pm and 7 am). However, as the project is likely to require night-time works at many locations (particularly in the Parramatta CBD precinct), provision of alternative accommodation in all cases may not always be feasible or reasonable.</p>		



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
NV-04	<p>For sensitive receiver that operate outside standard construction hours, for example hospitals which operate on a 24-hour basis, feasible and reasonable noise mitigation options and measures would be developed in consultation with the sensitive receiver.</p>	Conformant	<p>All Precincts. Addressed by the development of the Noise and Vibration Management Plan in accordance with CoA C3b. In accordance with Condition E37 and 39, consultation with sensitive receivers including those that operate outside standard construction hours is undertaken prior to works outside of standard construction hours. The outcome of the consultation is incorporated into the CNVISs and ECMs. Unattended continuous noise and vibration monitors (seven in total) have been installed within HAC facilities (as nominated in the CNVIS) to monitor impact and enable timely response to construction noise.</p>
NV-05	<p>The use of noise intensive plant items would be scheduled for normal working hours. If the works cannot be carried out during the daytime, it has been recommended to complete them before 11 pm, where practicable. This would be particularly relevant for works impacting the following noise catchment areas (NCAs) where a number of activities have been predicted to result in high impacts on many residential receivers during the night-time:</p> <ul style="list-style-type: none"> <li>» NCA04 in the Westmead precinct</li> <li>» NCA06 and NCA07 in the Parramatta North precinct</li> <li>» NCA11 in the Rosehill and Camellia precinct.</li> </ul>	Conformant	<p>All Precincts. Addressed in the Noise and Vibration Management Sub-plan (Construction) (CoA C3b). This has been included as mitigation measure NV29 in Section 9.7. The Noise and Vibration Management Sub-plan was endorsed by the ER on the 15 August 2019 and approved by the Secretary on 21 November 2019. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. Implementation was demonstrated during the reporting period through stakeholder consultation (conducted in accordance with CoA E37 and E39), CNVISs and OOHW Permits (as required). In addition, the program of work for sensitive areas were developed in consultation with NSW Health and the Cumberland Health District.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
NV-06	Opportunities to reduce road traffic noise during construction would be investigated during construction planning, including restricting heavy vehicle movements to standard construction hours and/or to routes with fewer sensitive receivers.	Conformant	All Precincts. Addressed by the development of the Noise and Vibration Management Plan in accordance with CoA C3b. The potential to reduce road traffic noise has been examined in the CNVISs. Where possible, heavy vehicle movement are restricted (as detailed in ECMs and TCPs) to limit impacts on sensitive receivers.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
NV-07	<p>Where vibration intensive construction activities are proposed within 100 metres of sensitive receivers, these works would be confined to the less sensitive daytime period where possible. The potential impacts from vibration are to be considered in the site-specific Construction Noise and Vibration Impact Statements (to be developed during detailed design). In general, mitigation and management measures that would be considered include:</p> <ul style="list-style-type: none"> <li>» Relocate vibration generating plant and equipment to areas within the site in order to lower the vibration impacts.</li> <li>» Investigate the feasibility of rescheduling the hours of operation of major vibration generating plant and equipment.</li> <li>» Use lower vibration generating items of excavation plant and equipment (e.g. smaller capacity rock breaker hammers).</li> <li>» Minimise consecutive works in the same locality (if applicable).</li> <li>» Use dampened rock breakers to minimise the impacts associated with rock breaking works.</li> </ul> <p>If vibration intensive works are required within the safe working distances, vibration monitoring or attended vibration trials would be carried out to ensure that levels remain below the cosmetic damage criterion.</p> <p>Building condition surveys would be completed both prior to the commencement of construction works and following the completion of construction works to identify existing damage and any damage due to the works.</p> <p>Measurements of existing ambient vibration levels would be carried out at receivers with vibration sensitive equipment during the detailed design. This information would be used to inform the site-specific Construction Noise and Vibration Impact Statements for works near these locations.</p>	Conformant	<p>All Precincts. Addressed by the development of the Noise and Vibration Management Plan in accordance with CoA C3b. This has been included as mitigation measure NV38 in Section 9.7. Where possible, intensive vibration construction activities have been confined to the daytime period where occurring within 100 metres of sensitive receivers. The Noise and Vibration Management Sub-plan was endorsed by the ER on the 15 August 2019 and approved by the Secretary on 21 November 2019. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. Implementation of this requirements was demonstrated during the reporting period through CNVISs, ECMs, OOHW permits and vibration monitoring (continuous monitoring is undertaken within three HAC facilities in Westmead).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
NV-08	<p>Mitigation and management measures to address potential noise and vibration impacts to facilities within the Westmead Research Zone would be implemented during construction. Mitigation and management measures would be determined in consultation with the facility operator / owner and informed by the sensitivity of impacted spaces prior to the commencement of construction. The mitigation and management measures (in addition to those provided in NV-1 to NV-7) could include:</p> <ul style="list-style-type: none"> <li>» Consultation with the affected facilities to determine periods when noise and/or vibration intensive works can occur with least impact.</li> <li>» Relocation of vibration sensitive equipment to less impacted locations within the facilities.</li> <li>» Vibration isolation of sensitive equipment predicted to have potential impacts.</li> <li>» Unattended noise and vibration monitoring within the facilities to ensure noise and/or vibration levels are within acceptable levels.</li> </ul>	Conformant	Westmead. Addressed by the development of the Noise and Vibration Management Plan in accordance with CoA C3b. In accordance with NSW Health Third Party Agreement, a Noise and Vibration Assessment System and Baseline Study was undertaken to identify sensitive equipment requiring protection or relocation. During the reporting period, continuous noise and vibration monitoring was undertaken within nominated HAC facilities to manage construction impacts.
PR-02	<p>Where landscaping is not able to mitigate privacy impacts, additional urban design elements such as fencing or other screening features would be considered so as to mitigate a reduction in the privacy of existing sensitive receivers (i.e. private residences and businesses). This is most likely to occur at receivers within the vicinity of stops and active transport links, in particular in areas which currently experience relatively low levels of pedestrian activity as follows:</p> <ul style="list-style-type: none"> <li>» Cumberland Hospital stop (within the current Cumberland Hospital site)</li> <li>» The active transport link between Carlingford and Camellia</li> <li>» The light rail and active transport bridge over James Ruse Drive between Rosehill and Camellia.</li> </ul> <p>The design of landscaping or privacy screening would also need to consider safety issues such as sightlines for LRVs and CPTED principles.</p>	Conformant	All Precincts. This is a technical requirement that has been addressed in the PLR INF Whole of Line Urban Design Report Section 3.4.10 Fencing / Barrier Strategy (RVTM Reference: PLR1-INF-296002, PLR1-INF-296004, PLR1-INF-296006, PLR1-INF-296008). During a previously reporting period, potential privacy impacts associated with the active transport link were assessed in consultation with TfNSW and the IC. Recommended actions were subsequently implemented.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
PR-03	<p>Detailed design of the active transport link would consider the potential privacy impacts to adjacent properties. Measures to be considered would include:</p> <ul style="list-style-type: none"> <li>» Separation of levels between the active shared path and adjacent properties to lower the path, minimising opportunities for overlooking of existing fences.</li> <li>» Provision of additional fencing or vegetation to provide screening.</li> </ul>	Conformant	<p>Rosehill and Camellia; Carlingford. This is a technical requirement that has been addressed in the PLR INF Whole of Line Urban Design Report Section 3.4.10 Fencing / Barrier Strategy (RVTM Reference: PLR1-INF-296002, PLR1-INF-296004, PLR1-INF-296006, PLR1-INF-296008). During a previously reporting period, potential privacy impacts associated with the active transport link were assessed in consultation with TfNSW and the IC. Recommended actions were subsequently implemented.</p>
PR-04	<p>Lighting within the project corridor would be required to address safety and consider the potential privacy impacts of light spill to adjoining properties, including the use of fixtures that prevent light within the light rail corridor from spilling upwards and/or beyond the required area to be lit and into adjacent residences or sensitive environmental areas. Permanent lighting would be designed by a specialist lighting consultant and would comply with relevant Australian Standards, including AS4282.1997 (Control of the obtrusive effects of outdoor lighting) and AS 1158 Road lighting. The final lighting design would consider the use of motion sensors to adjust light levels to balance the need to provide a safe environment while minimising potential light spill to the adjacent residential properties.</p>	Conformant	<p>All Precincts. Permanent lighting in the Lighting Design Packages for each section. Construction lighting addressed in the Landscape and Temporary Works Management Sub-plan. Section 6.1.6 details how lighting requirements have been addressed in the LTWMP. This requirement is also included as a mitigation measure in Table 6-1 (mitigation measure TW3). The location of temporary lighting towers required for evening and night work will be assessed in relation to sensitive receivers and adjoining properties. This is also a technical requirement that has been addressed in the detailed design and the Environmental Design Review Report. RVTM Reference: PLR1-INF-296016. Assurance is provided through the noise and vibration monitoring process and environmental inspection process which both include an assessment of temporary lighting impacts. In the event of any complaints relating to light spill (resulting from temporary construction lighting or permanent lighting), an investigation is undertaken to determine whether any corrective actions are required.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
PR-05	The design and placement of construction hoardings would consider opportunities to minimise privacy impacts on adjacent residents or other adjacent land uses sensitive to privacy concerns.	Conformant	All Precincts. Addressed in the Landscape and Temporary Works Management Sub-plan and the Site Establishment Management Plan. Hoarding was installed as early as reasonable to minimise visual impacts and preserve privacy. Table 6-1 outlines the requirement to minimise privacy impacts during construction (mitigation measure TW4). Implementation during the reporting period was demonstrated through Environmental Control Maps and environmental inspections.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
RC-01	<p>Coordination and consultation with the Sydney Coordination Office and the following stakeholders would occur as required to coordinate interfacing projects:</p> <ul style="list-style-type: none"> <li>» Department of Planning and Environment.</li> <li>» Other Transport for NSW agencies (including Roads and Maritime Services; Sydney Trains and Sydney Buses).</li> <li>» Sydney Water.</li> <li>» City of Parramatta Council.</li> <li>» UrbanGrowth NSW Development Corporation.</li> <li>» Western Sydney University.</li> <li>» NSW Health (and its construction contractors).</li> <li>» Land and Housing Corporation.</li> <li>» Emergency service providers.</li> <li>» Utility providers.</li> <li>» Construction contractors.</li> <li>» Other stakeholders as required, as advised by Transport for NSW.</li> </ul> <p>Coordination and consultation with these stakeholders would include:</p> <ul style="list-style-type: none"> <li>» Current and upcoming development applications and precinct master plans.</li> <li>» Provision of regular updates to the detailed construction program, construction sites and haul routes.</li> <li>» Identification of key potential conflict points with other construction projects.</li> <li>» Developing mitigation strategies in order to manage cumulative impacts of the Parramatta Light Rail and other interfacing projects. Depending on the nature of the conflict, this could involve:               <ul style="list-style-type: none"> <li>•Adjustments to the Parramatta Light Rail (Stage 1) construction program, work activities or haul routes; or adjustments to the program, activities or haul routes of other construction projects.</li> <li>•Coordination of traffic management arrangements between projects.</li> <li>•Coordination of noise generating activities, such as out of hours works.</li> </ul> </li> </ul>	Conformant	<p>All Precincts. Addressed in the Traffic Transport and Access Management Sub-plan prepared in accordance with CoA C3a (Section 7.2). Ongoing coordination and consultation has occurred during the reporting period with the SCO and other stakeholders through the TCG and the TTLG. The Traffic and Transport Management Sub-plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21.</p>





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
SE-01	A Community Engagement Plan would be prepared to guide community engagement during the construction phase of the project. Communication would be with the local community, stakeholders and the wider region. Place Managers dedicated to each precinct would be available during the lead up to construction and during construction to hear concerns or answer questions from the community and businesses. They would provide a single point of contact for those wanting to find out more about the project, including impacts of construction and how to minimise them.	Conformant	All Precincts. Addressed by the Communication and Engagement Plan (CoA B1/B3) prepared by PCPLR consistent with the CCS prepared by TfNSW. Place Managers dedicated to each precinct were engaged throughout the reporting period and provided a single point of contact for stakeholders.
SE-03	Areas affected by construction would be reinstated and restored in accordance with the UDLP.	Conformant	All Precincts. All areas affected by construction will be reinstated in accordance with the Urban Design Requirements Report and the Whole of Line Urban Design Report.
SE-05	Carry out ongoing consultation and communication with local communities about changes to public transport and local pedestrian and cycle access, including through community events, signage, public notices and provision of regular updates to user groups.	Conformant	All Precincts. Addressed in the Traffic Transport and Access Management Sub-plan prepared in accordance with CoA C3a and the Community and Engagement Management Plan. Consultation undertaken during the reporting period is detailed in the E39 and E37 Quarterly Community Consultation Reports (refer to CoA E39).
SE-06	Consultation would be carried out with businesses potentially impacted during construction. Consultation would aim to identify and develop measures to manage the specific construction impacts (such as impacts to outdoor dining areas) for individual or groups of businesses as appropriate.	Conformant	All Precincts. Addressed through implementation of the Business Activation Plan required under CoA E110. Consultation has included direct consultation and participation in the PLR Business Representative Group (BRG).
SE-08	Appropriate signage would be provided around construction sites to provide visibility to retained businesses, where required.	Conformant	All Precincts. Addressed through implementation of the Business Activation Plan required under CoA E110. Implementation during the reporting period was demonstrated through the installation of signage on Eat Street and Westmead.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
SE-09	Transport for NSW would consult with managers of Wesley Apartments and Cumberland Hospital about opportunities to support the relocation of affected facilities.	Conformant	Westmead. Commitment in SE-9 is covered in Section 10 of the Communication and Engagement Management Plan. During the reporting period, consultation has been ongoing with HAC, Health NSW, Cumberland Hospital and the Wesley Apartments.
SE-10	<p>Carry out ongoing consultation in accordance with the Community Engagement Plan with managers of community facilities near the project about potential impacts and proposed management measures. These include (but not limited to):</p> <ul style="list-style-type: none"> <li>» Westmead Hospital, the Children’s Hospital at Westmead and Cumberland Hospital precinct</li> <li>» Western Sydney University, including the Western Sydney University Early Learning Centre</li> <li>» Schools, such as Parramatta Marist High School, Arthur Phillip High School, Parramatta Public School, Parramatta North Primary School, St Patrick’s Primary, Our Lady of Mercy College and Catherine McAuley Catholic Girls’ School.</li> <li>» Nursing homes.</li> <li>» Medical facilities.</li> <li>» Managers of Prince Alfred Square and Robin Thomas Reserve.</li> <li>» Rosehill Gardens Racecourse.</li> <li>» Rosehill Bowling Club.</li> </ul>	Conformant	Westmead; Parramatta North; Parramatta CBD; Rosehill and Camellia. Addressed in Section 1, 9, 10, Appendices B and C of the Communication and Engagement Management Plan. Consultation undertaken during the reporting period is detailed in the E39 and E37 Quarterly Community Consultation Reports (refer to CoA E39).
SE-11	Ensure planning for the temporary full or partial closure of local and regional roads in the study area considers the timing of major events within the study area, for example those at Parramatta Park, Rosehill Gardens Racecourse and Prince Alfred Square.	Conformant	Parramatta CBD; Rosehill and Camellia. Addressed in the Traffic Transport and Access Management Sub-plan prepared in accordance with CoA C3a. During the reporting period, planning for road closures and consideration of major events was coordinated with the SCO and other stakeholders through the TCG and the TTLG.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
SG-04	<p>The presence of ASS along the project alignment would be confirmed through intrusive testing of soils in areas where ASS is likely to occur. Should ASS be identified during intrusive investigations at any section along the project, an ASS management plan would be required for construction of the project in these areas. The ASS management plan should outline procedures for the safe handling, treatment and transport of potential/actual ASS excavated during construction or maintenance works and identify management measures, including:</p> <ul style="list-style-type: none"> <li>» Excavation procedures</li> <li>» Spoil storage and treatment</li> <li>» Dewatering and groundwater management</li> <li>» Bunding and measures to protect surrounding areas and waterways from the potential risk of acid contamination.</li> </ul> <p>The objective of the ASS management plan would be to comply with all statutory requirements and implement all environmental controls to minimise and manage impacts on the environment from the disturbance of potential or actual ASS.</p>	Conformant	<p>All Precincts. Addressed in the Soil and Water Management Sub-plan. The Acid Sulfate Soil Management Procedure is presented in Appendix C of the Soil and Water Management Sub-plan. Intrusive testing of soils in areas where ASS is likely to occur was completed in conjunction with geotechnical investigations. Refer to PLR11NF Geotechnical Interpretive Report Section 6.12. Site specific Acid Sulfate Treated Material Sampling and Validation Procedures were implemented during the reporting period to support implementation of the Sub-plan.</p>
SG-05	<p>Should ASS be identified during intrusive investigations, acid sulfate soils management plans would be required for future maintenance works in these areas.</p>	Conformant	<p>All Precincts. Addressed in the Soil and Water Management Sub-plan. The Acid Sulfate Soil Management Procedure is presented in Appendix C of this Soil and Water Management Sub-plan. The Soil and Water Management Sub-plan was endorsed by the ER on the 12 August 2019 and subsequently submitted to the Secretary for information. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. Implementation during the reporting period was demonstrated through in-situ treatment of ASS. Treatment was undertaken in accordance with the Acid Sulfate Soil Management Procedure and requirements of the Golder characterisation reports.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
SU-01	Sustainability initiatives would be incorporated into the detailed design and construction of the project to support the achievement of the project sustainability objectives, as detailed in the Sustainability Plan.	Conformant	All Precincts. Addressed in the Delivery Phase Sustainability Plan and PLR INF Systems Engineering, Assurance and Design Management Plan (SEAD MP) Section 10.3. and reported on in the Sustainability in Design Report. (RVTM Reference: PLR1-INF-296530).
SU-02	A best practice level of performance would be achieved by achieving a minimum project score of 65 (an 'Excellent' rating) for each project stage during detailed design and construction.	Conformant	All Precincts. Addressed in the Delivery Phase Sustainability Management Plan which includes and IS Management Plan developed in consultation with ISCA. ISCA have issued the project with a Round 2 Design Verification Score of 82.7 points (Leading Rating).
SU-03	A workforce development and industry participation strategy would be developed and implemented for the construction of the project. The development of this strategy would consider any existing programs, such as the Parramatta Skills Exchange, which may be applicable to the project.	Conformant	All Precincts. Addressed in the Workforce Development Plan with progress reported monthly (refer to attached Workforce Development graphs).
TR-03	The use of low impact construction techniques (on existing tree roots) for all works would be considered, where appropriate and feasible.	Conformant	All Precincts. Addressed through the Flora and Fauna Management Sub-plan. This commitment has been included as mitigation measure VM13. The Flora and Fauna Management Sub-plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Implemented during the reporting period through the preparation of Arboricultural Impact Assessments, implementation of Tree Protection Plans, root mapping of trees to assess impact and the use of NDD during excavations.
TR-06	Temporary tree protection measures would be installed prior to construction works commencing in accordance with AS 4970-2009 - Protection of Trees on Development Sites as required for any trees to be retained within active construction sites.	Conformant	All Precincts. Addressed through the Flora and Fauna Management Sub-plan. This commitment has been included as mitigation measure VM20. Implementation during the reporting period was demonstrated through Tree Protection Plans (approved by the Independent Arborist) and ECMs.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
TR-07	<p>Where activities which could cause soil compaction within the tree protection zone (TPZ) of trees to be retained cannot be avoided (e.g. due to space constraints), opportunities to raise construction facilities (e.g. demountable) above the ground level or use of suitable ground protection measures beneath site access tracks (e.g. geotextile fabric) would be investigated and implemented, where feasible, so as to avoid impacting on the underlying tree roots, in accordance with Australian Standard AS 4970 Protection of Trees on Development Sites.</p>	Conformant	<p>All Precincts. Addressed through the Flora and Fauna Management Sub-plan. This commitment has been included as mitigation measure VM21. The Flora and Fauna Management Sub-plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Implementation of this requirement during the reporting period was demonstrated through Tree Protection Plans which included measures such as the use of vehicle mats to minimise impact to tree roots. The Church Street micro-tunnel outlet has also been redesigned to minimise impact to roots.</p>
TR-09	<p>As far as practical, the construction compounds would be configured so as to not directly impact on trees that would not already be directly impacted by the project. Where trees which can be retained are located within construction boundaries, exclusion fencing would be erected to protect these trees from construction activities. Similarly, for road network modifications away from the main alignment, these works would be carried out, as far as practical, so as to minimise any further impact on trees as a result of the project.</p>	Conformant	<p>All Precincts. Addressed through the Flora and Fauna Management Sub-plan. This commitment has been included as mitigation measure VM23 and 24. It is also addressed in the SEMP. The Flora and Fauna Management Sub-plan and SEMP was endorsed by the ER and subsequently submitted to the Secretary for information. Implementation during the reporting period was demonstrated through Tree Protection Plans as approved by the Independent Arborist.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
TT-01	<p>A wayfinding and road signage strategy would be developed and incorporated into the detailed design of the project. This would include signage to communicate changes in turning / access restrictions, property access, and pedestrians/cyclist routes, and signage within Parramatta CBD to encourage use of alternative routes.</p>	Conformant	<p>All Precincts. Addressed through the Landscape and Temporary Works Management Sub-plan. Table 6-1 notes that a wayfinding and road signage strategy will be developed as part of detailed design. This includes measures to provide signage for altered conditions (mitigation measures TW4 and TW14). The requirements of this REMMM are reflected in the following design reports: PLR1INF - Sections 1,2 &amp; 3 – Active Transport Link, Signage and Wayfinding Report; Section 02 Signage and Wayfinding Design Report (RVTM Reference: PLR1-INF-296018). In addition, implementation was demonstrated through TMPs which include specific wayfinding and signage requirements.</p>
TT-04	<p>Staged pedestrian crossing designs in the vicinity of each stop along the alignment would be reviewed during detailed design to ensure they provide adequate pedestrian storage commensurate with the available space.</p>	Conformant	<p>All Precincts. As per Staging Report, Applicable in conjunction with E12. Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.6, 6.9 and 6.12. Pedestrian and cycling access will be maintained during the Infrastructure Works. Where access is restricted, alternative temporary facilities will be provided in compliance with relevant aspects of Austroads Guide to Road Design and Austroads Guide to Traffic Management. The strategies and design considerations for alternative pedestrian and cyclist routes are outlined in Section 6.6. Section 6.9. Assurance is provided through road safety audits which have been conducted during the design and construction phase of the Infrastructure Works (Section 6.12). No issues have been identified with safe pedestrian access during the reporting period. RVTM Reference: PLR1-INF-296028.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
TT-08	<p>During detailed construction planning, liaison would be undertaken with City of Parramatta Council, NSW Health, hospitals and other facilities within the Westmead Health Precinct (including Cumberland Hospital (east and west)) and emergency services to ensure construction staging of the project maintains appropriate access to the hospital precinct, and is coordinated with other developments underway within the Westmead Health Precinct. Any potential impacts on the existing road network and internal access (including emergency vehicle access) would also be addressed including alerting emergency services when construction arrangements change. Any identified mitigation and management measures would be incorporated into the project design.</p> <p>UrbanGrowth NSW Development Corporation would also be consulted to minimise impacts of the operation of the light rail on road access and the future road network performance of the Parramatta North Urban Transformation Area, and pedestrian and cyclist access across the alignment. Transport for NSW would consider opportunities to optimise the integration of the light rail into the development, where reasonable and feasible.</p>	Conformant	<p>Westmead; Parramatta North. As per Staging Report, applicable in conjunction with E8 maintaining access. Addressed through the Traffic Transport and Access Management Sub-plan. The TTLG and TCG provide a forum for consultation with relevant stakeholders (including CoPC, NSW Health and the hospitals). The access requirements are detailed in site specific CTTMPs. Access requirements are addressed in Section 6.9. Notification to emergency services is detailed in Section 7.3. During the reporting period, consultation was undertaken with CoPC, NSW Health, the hospitals and emergency services on construction staging.</p>





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
TT-17	<p>In locations where access for local residents, businesses or other organisations to properties is permanently changed as a result of the operation of the project, a local access plan will be prepared. The local access plan will identify the traffic control or other measures to be implemented in the detailed design to provide alternative access. The local access plan will be communicated to the affected parties. Locations identified to date that require consideration include, but are not limited to:</p> <ul style="list-style-type: none"><li>» The southern side of Macquarie Street.</li><li>» Hainsworth Street, Westmead.</li><li>» Tramway Avenue, Parramatta.</li><li>» Alfred Street, Parramatta.</li><li>» North of Grand Avenue, Camellia, where properties are impacted by works on the Sandown Line.</li></ul> <p>For impacted owners of properties along the southern side of Macquarie Street the local access plans could include (but are not limited to):</p> <ul style="list-style-type: none"><li>» Provision of alternative access location (new or use of an existing alternative available access location), where possible.</li><li>» Provision of temporary offsite parking elsewhere in the Parramatta CBD, if the impacted property is expected to undergo redevelopment.</li><li>» Maintaining current access if it does not have unreasonable impacts on the operation of the project and the property owner (subject to review of traffic volumes and control arrangements).</li></ul>	Conformant	All Precincts. In accordance with the Staging Report, applicable in conjunction with CoA E8 and E9. Addressed through the Traffic Transport and Access Management Sub-plan Section 6.9.1. Local Access Plans (LAPs) continue to be prepared in accordance with CoA E8 and E9 and the requirements of this REMMM. The LAPs consider temporary, permanent access and the staging between these states (RVTM Reference: PLR1-INF-296080) (refer to CoA E9 for evidence).





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
TT-18	<p>Safe pedestrian and cyclist crossings will be maintained or be provided as necessary and practical. A dedicated risk assessment would be completed to identify management measures to ensure safe interaction of the project with the public. This will include:</p> <ul style="list-style-type: none"><li>» The existing at-grade pedestrian crossing across Macquarie Street in the vicinity of Arthur Phillip High School. Any identified mitigation and management measures for an at-grade crossing would be incorporated into the project design. Transport for NSW would consult with the Department of Education on the outcomes of the risk assessment and identified responses.</li><li>» The detailed design of the right hand turn from Hassell Street into Harris Street would, where reasonable and feasible, incorporate a safe pedestrian and cyclist crossing of Harris Street to link Robin Thomas Reserve with Hassall Street, and would consider the potential for a future on-road bike path with dedicated bike lanes in Hassall Street (to be delivered by others). Any alternative pedestrian and cyclist provisions would be implemented prior to the removal of the existing pedestrian refuge.</li></ul>	Conformant	<p>Parramatta CBD. Addressed through the Road Design Packages and the Traffic Transport and Access Management Sub-plan Section 6.6.4. These requirements are also addressed in the Pedestrian and Cyclist Network Facilities Strategy (Rev 12) which was submitted to DPIE for information on 18-Dec-20 prior to commencement of construction of permanent pedestrian/cyclist infrastructure. Correspondence received from DPIE on 13-Jan-21 noted that the Strategy contains the information required by the conditions of approval and has been endorsed by the ER. The strategy was developed in consultation with Council(s), RMS, Pedestrian Council of Australia and Bicycle NSW. This is a technical requirement that has been addressed in the detailed design and the Environmental Design Review Report (RVTM Reference: PLR1-INF-296100, PLR1-INF-296102 and PLR1-INF-296104).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
TT-25	<p>To maintain safe motorist, pedestrian and cyclist access where construction works would occur, mitigation and management measures would be detailed in the Construction Traffic Management Plan and implemented during construction. This would include:</p> <ul style="list-style-type: none"> <li>» Use of speed awareness signs in conjunction with variable message signs near construction sites to provide alerts to drivers</li> <li>» Appropriate controls where vehicles are required to cross footpaths to access construction areas, including manual supervision, physical barriers or temporary traffic signals.</li> <li>» Consideration of shared experience educational events that allow pedestrians, cyclists or motorists to sit in trucks and understand the visibility restrictions of truck drivers, and for truck drivers to understand the visibility from a bicycle.</li> <li>» Consideration of pedestrian access needs for elderly people, children and people with disability, where reasonably practicable.</li> <li>» Specific construction driver training to understand route constraints, expectations, safety issues and to limit the use of compression braking.</li> <li>» Safety devices on construction vehicles that warn drivers of the presence of a vulnerable road user located in the vehicles' blind spots and warn the vulnerable road user that a vehicle is about to turn.</li> </ul> <p>Site specific construction traffic management plans and site specific traffic control plans would be prepared and implemented, including mitigation and management responses associated with the temporary closures (including weekend closures) of:</p> <ul style="list-style-type: none"> <li>» Church Street and Pennant Hills Road.</li> <li>» Church Street and Barney Street.</li> <li>» Church Street and Board Street.</li> <li>» Church Street and Victoria Road.</li> <li>» Smith Street and Macquarie Street.</li> <li>» Church Street and George Street.</li> <li>» James Ruse Drive.</li> <li>» Grand Avenue.</li> <li>» Kissing Point Road.</li> </ul> <p>These site-specific traffic management plans would detail:</p> <ul style="list-style-type: none"> <li>» Site access and associated route and turning movements.</li> <li>» Potential activities that could result in the disruption to traffic and transport networks, including pedestrian, cyclist and public transport networks and during special events.</li> <li>» The timing to limit disruptions to the road and transport networks.</li> <li>» The maintenance of access and safety of transport networks, parking and property.</li> </ul>	Conformant	All Precincts. Addressed through the Traffic Transport and Access Management Sub-plan and implemented through site specific CTTMPs, ECMs and Toolbox Talks.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
	» Details responses to the management of an event that directly involves or impacts on traffic and transport networks.		



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
TT-26	Heavy vehicle construction traffic would be prohibited from using: <ul style="list-style-type: none"> <li>» Railway Parade, Westmead.</li> <li>» Trott Street, North Parramatta.</li> <li>» Noller Parade, Parramatta.</li> </ul>	Non-Conformant	Westmead; Parramatta North; Parramatta CBD. Addressed through the Traffic Transport and Access Management Sub-plan. Vehicle movement restrictions are conveyed in the Vehicle Movement Plans as outlined in Section 6.1.3. During the reporting period, a non-compliance (INX 245871) was raised in response to a heavy vehicle which used a local street (Trott Street) on 21 September 2021. Trott Street is prohibited for use by heavy vehicles. The Department of Planning, Industry and Environment advised that a breach has been recorded in response to the non-compliance.
TT-28	Hours of when construction deliveries and spoil removal would be undertaken within the Parramatta CBD and Rosehill and Camellia precincts would be determined in consultation with the Sydney Coordination Office and Roads and Maritime Services.	Conformant	Parramatta CBD; Rosehill and Camellia. Addressed through the Traffic Transport and Access Management Sub-plan. Consultation and coordination was undertaken during the reporting period through the TCG and TTLG as outlined in Section 7.2. Consultation continues to be carried out with the SCO and the RMS through the TTLG to determine hours when out of the ordinary construction deliveries and spoil removal will be undertaken in the Parramatta CBD, Rosehill and Camellia precincts.
TT-29	To maintain property access during construction, mitigation and management measures would be detailed in the Construction Traffic Management Plan and implemented during construction. This would include: <ul style="list-style-type: none"> <li>» Use traffic controllers and localised traffic management measures to maintain access through worksites, where practical.</li> <li>» Temporary access closures would occur in stages to minimise the duration of closures.</li> <li>» Provision of temporary alternative car parking for properties with on-site parking.</li> </ul>	Conformant	All Precincts. As per the Staging Report, applicable in conjunction with E8. Addressed through the Traffic Transport and Access Management Sub-plan. Mitigation and management measures relating to property access are outlined in Section 6.9.1. During the reporting period, the requirements of this REMMM were reflected in site specific CTTMPs where appropriate and Local Access Plans.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
TT-30	Construction works that occur above or from Parramatta River at the Parramatta River Bridge (e.g. barges) would be scheduled during periods as agreed with Roads and Maritime, NSW Ports Authority and Harbour City Ferries.	Conformant	Rosehill and Camellia; Carlingford. Addressed through the Traffic Transport and Access Management Sub-plan. Consultation and coordination will be undertaken through the TCG and TTLG as outlined in Section 7.2. Consultation with Roads and Maritime, NSW Ports Authority and Harbour City Ferries occurred during the reporting period to determine the scheduling of construction work periods above or from Parramatta River.
TT-31	A strategy for maintaining emergency vehicle access to the Westmead Health Precinct in case of a breakdown along Hawkesbury Road would be prepared in consultation with NSW Health and implemented. The project would be designed to enable emergency vehicles to use the project alignment in an emergency situation during periods of traffic congestion along Hawkesbury Road.	Conformant	Westmead. Addressed through the Traffic Transport and Access Management Sub-plan, Section 6.9.3. Details of how access is to be maintained in the event of a breakdown are addressed in site specific CTTMPs. A 5.5m clear width is provided as per Appendix H. Where this cannot be provided, alternative options are to be agreed with SCO and Ambulance NSW.
UT-01	Dial before you dig searches and non-destructive digging (including pot-holing and/or hand-digging) would be carried out to identify the presence of underground utilities prior to commencement of construction in accordance with guidelines provided by the relevant utility authority.	Conformant	All Precincts. Addressed in the Utility Service Management Plan. Implementation is demonstrated through the Permit to Excavate.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
UT-06	When working in the vicinity of utilities during construction, a review of the proposed works at these location(s) would be carried out by the Construction Contractor in consultation with the relevant service provider(s). The review would consider service provider and project requirements in terms of safety, network integrity and constructability. Safe working method statements and appropriate management plans must be implemented to minimise the risk of striking nearby utilities.	Conformant	All Precincts. Utility Service Management Plan
VL-04	Detailed design of new bridges would be carried out in accordance with Bridge Aesthetics: Design guidelines to improve the appearance of bridges in NSW (RMS, 2012).	Conformant	Addressed in each of the Design Criteria Report - Bridges (Package 140) and each of the Bridge Package Design Reports.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
VL-06	<p>During detailed design, opportunities would be investigated where feasible to retain vegetation in order to screen and visually integrate the project with the surrounding area, and where required, additional tree planting and landscaping would be provided to screen views in order to soften the visual impact of the project including:</p> <ul style="list-style-type: none"><li>» Along Hawkesbury Road.</li><li>» Within the Cumberland Hospital (east and west).</li><li>» Riparian areas in the vicinity of bridge crossings.</li><li>» Along the O'Connell Street perimeter of the Parramatta Gaol.</li><li>» St Patrick's Roman Catholic Cemetery.</li><li>» Within Prince Alfred Square.</li><li>» Within Robin Thomas Reserve.</li><li>» Within Queen's Wharf Reserve.</li><li>» Along the boundary of the stabling and maintenance facility site.</li><li>» Along the site boundary with the Western Sydney University campus.</li><li>» Along the Carlingford Line.</li></ul>	Conformant	All Precincts. Addressed in the Whole of Line Urban Design Report (250) and the Urban 3 - Tree Impact Assessments (1500/2500/3500 - 505). (RVTM Reference: PLR1-INF-320378, PLR1-INF-296170, PLR1-INF-296172, PLR1-INF-296174, PLR1-INF-296178, PLR1-INF-296180)



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
VL-13	<p>A landscape and temporary works management plan would be developed as part of the CEMP. The plan would include the following:</p> <ul style="list-style-type: none"> <li>» Approaches to temporary construction works (hoardings etc.) that consider urban design and visual impacts, including:               <ul style="list-style-type: none"> <li>•Artwork, graphics and images to enhance the visual appearance of temporary works in high visibility locations.</li> <li>•Project information to raise awareness on benefits, explain the proposed works at each site and provide updates on construction progress.</li> <li>•Community information, including contact numbers for enquiries/complaints.</li> <li>•Signage and information to mitigate impacts on local businesses which may be obscured by the construction site.</li> </ul> </li> <li>» Apply the principles of crime prevention through environmental design (CPTED) to all works, including temporary works that have a public interface.</li> <li>» Apply the principles of Australian Standard 4282-1997 Control of the obtrusive effects of outdoor lighting and relevant safety design requirements and detail mitigation and management measures to minimise lighting impacts on sensitive receivers for all permanent, temporary and mobile light sources.</li> <li>» Wherever feasible and reasonable, vegetation around the perimeter of the construction sites will be maintained.</li> <li>» Measures to minimise direct and visual impacts on heritage items from works within the curtilage of or in the vicinity of heritage items.</li> <li>» Regular inspections of construction hoardings and scaffolding to keep it clean and free of dust build up, with graffiti on construction hoardings and scaffolding to be removed or painted over promptly.</li> </ul>	Conformant	<p>All Precincts. The Landscape and Temporary Works Management Sub-plan has been prepared to address this REMMM. Relevant mitigation measures to address the requirements of this commitment are detailed in Table 6-1, including TW4 and TW14. High visibility locations are identified on the ECMs. Community information requirements are detailed in the Community and Engagement Management Plan. Measures to minimise direct and visual impacts on heritage items from works within the curtilage of or in the vicinity of heritage items are detailed in the Heritage Management Sub-plan.</p>





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
VL-14	Visual mitigation and management measures identified below would be implemented as soon as feasible and reasonable, and remain for the duration of the construction activities in that area.	Conformant	All Precincts. Addressed through the Landscape and Temporary Works Management Sub-plan. Implementation during the reporting period was demonstrated through ECMs, hoarding design and retention of vegetation where feasible.
VL-15	Hoardings including graphics, artwork or project information as identified during detailed design would be installed as early as feasible and reasonable in the construction process. Hoardings would be kept in good condition including the prompt removal of graffiti.	Conformant	All Precincts. Addressed through the Landscape and Temporary Works Management Sub-plan. Addressed through compliance with the CoA C19 and C20. The Landscape and Temporary Works Management Sub-plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Assurance is provided through the weekly Environmental Inspections conducted of the alignment.
VL-16	Where feasible and reasonable, the elements within worksites and construction compounds would: » Be located to minimise visual impact, for example materials and machinery would be stored behind fencing/hoarding. » Include temporary lighting that would be orientated to minimise glare and light spill impact on adjacent receivers. » Retain and protect existing vegetation around the perimeters where feasible and reasonable to act as a visual screen.	Conformant	All Precincts. Addressed through the Landscape and Temporary Works Management Sub-plan. Table 6-1 contains mitigation measures to address light spill, vegetation retention and visual impacts. Mitigation measures TW1, TW2, TW3, TW4, TW8, TW9, TW12. The Landscape and Temporary Works Management Sub-plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Implementation during the reporting period was demonstrated through ECMs which were approved by the ER prior to implementation.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
VL-17	<p>The footprint of construction compounds in open space areas would be minimised where feasible to reduce visual impacts. This includes the following areas:</p> <ul style="list-style-type: none"> <li>» Westmead compound.</li> <li>» Parramatta North Compound.</li> <li>» Parramatta River Bridge (north).</li> <li>» Dundas.</li> <li>» Kissing Point Road.</li> <li>» Carlingford.</li> </ul>	Conformant	<p>All Precincts. Addressed through the Landscape and Temporary Works Management Sub-plan. Table 6-1 contains mitigation measure TW13 to address compound footprint minimisation. The Landscape and Temporary Works Management Sub-plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Implementation during the reporting period was demonstrated through ECMs which were approved by the ER prior to implementation.</p>
WM-03	<p>The project would achieve a diversion rate for construction waste from landfill of a minimum of 90 per cent of waste by volume, with a target of 95 per cent. The project would also reuse 100 per cent of paving and other reusable materials or facilitate reuse of such materials. Contaminated waste which cannot be diverted from landfill would be excluded from this calculation. Where targets cannot be achieved, the project must demonstrate all feasible measures have been taken to achieve as close to the targets as possible.</p>	Conformant	<p>All Precincts. Addressed through the Waste and Resource Management Sub-plan. Targets for the Infrastructure Works are outlined Section 2.3. The targets will be achieved through the measures detailed in Table 5-1, Table 5-2 and Table 6-1. Where targets cannot be achieved, Parramatta Connect will demonstrate all feasible measures have been taken to achieve as close to the targets as possible. Tracking and reporting performance against targets is addressed in the Delivery Phase Sustainability Management Plan (Section 6.2). A cross-reference is included in Section 8.5 of this Sub-plan. Performance against material diversion targets is reflected in the Annual Sustainability Report (PLR1INF-CPBD-ALL-SB-RPT-000001).</p>
WM-04	<p>Construction waste would be segregated and stockpiled on site, with materials such as bricks and tiles, timber, plastic, metals and existing track materials (such as rail and ballast materials) being separated where practicable and sent to a waste facility with recycling capabilities.</p>	Conformant	<p>All Precincts. Addressed through the Waste and Resource Management Sub-plan. This has been included as mitigation measures WM14 and WM15. The Waste and Resource Management Sub-Plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Implementation was demonstrated during the reporting period through ECMs and Environmental Inspections.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
WM-05	The disturbance, movement and disposal of asbestos containing materials would be carried out in accordance with the Work Health and Safety Regulation 2011 and other relevant guidelines.	Conformant	All Precincts. Addressed through the Waste and Resource Management Sub-plan, the Contaminated Land Management Plan (Section 7.3) and the Asbestos and Air Quality Management Plan (PLR1INF-CPBD-ALL-AH-PLN-000002). The Waste and Resource Management Sub-Plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. Implementation during the reporting period was demonstrated through ECMs, Material Characterisation Forms and Material Tracking Forms.
WM-06	Where possible and fit for purpose, spoil would be beneficially reused within the project before off-site reuse or disposal options are pursued. A spoil management strategy would be developed prior to the commencement of construction and implemented during construction. The strategy would identify spoil disposal sites and describe the management of spoil on-site and during off-site transport.	Conformant	All Precincts. Addressed through the Waste and Resource Management Sub-plan. This has been included as mitigation measures WM25. The Waste and Resource Management Sub-Plan was endorsed by the ER on the 9 August 2019 and subsequently submitted to the Secretary for information. The Materials Tracking and Environmental Management Plan is included as Appendix A of the Waste and Resource Management Sub-plan. Implementation during the reporting period was demonstrated through Material Characterisation Forms and Material Tracking Forms.



### A-1-3 Environmental Performance Outcomes (EPOs)

ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-AB-1 v1	The project would be sympathetic to heritage items and, where feasible and reasonable, avoid and minimise impacts on Aboriginal heritage items and archaeology.	Conformant	Addressed in the Heritage Management Sub-Plan. Section 7 details mitigation measures to be undertaken in order to avoid, minimise or manage construction impacts to non-Aboriginal heritage items and archaeology. This EPO has been included in Section 7. This is also addressed in the SEMP under section 8. During the reporting period, this requirement was communicated through Toolbox talks and daily pre-starts and reflected in the exclusion fencing within the Cumberland East compound. This EPO has been incorporated into mitigation measures that address heritage management, including SE16, SE33, SE34 and SE37. The Heritage Management Sub-plan was endorsed by the ER on the 13 August 2019 and approved the Secretary on the 21 November 2019. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21.
EPO-AB-2 v1	Appropriate Aboriginal heritage interpretation would be incorporated into the design of the project in consultation with registered Aboriginal stakeholders.	Conformant	Addressed in the Heritage Management Sub-Plan. Section 7 details mitigation measures to be undertaken in order to avoid, minimise or manage construction impacts to Aboriginal heritage items and archaeology. This EPO has been included in Section 7. This is also addressed in the Heritage Interpretation Strategy and Heritage Interpretation Implementation Plan (refer to AB-1).



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-HE-2 v1	The project would be sympathetic to heritage items and, where feasible and reasonable, avoid and minimise impacts to non-Aboriginal heritage items and archaeology.	Conformant	The project and its construction will be sympathetic to items of heritage and seek to reduce impacts to non-Aboriginal heritage items and archaeology. This EPO has been included in Table 6-3 and incorporated into mitigation measures that address heritage management, including SE16, SE33, SE34 and SE37. The Heritage Management Sub-plan was endorsed by the ER on the 13 August 2019 and approved by the Secretary on the 21 November 2019. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. This EPO has been communicated during the reporting period through Toolbox talks and daily pre-starts. In addition, heritage Impact Reports have been produced for each stage of the design development.
EPO-LU-2 v1	Access to private property would be maintained.	Conformant	Access to private property during construction and operation is covered under CoA E9 Access Plans.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-NV-1 v1	Noise levels would be minimised with the aim of achieving the noise management levels where feasible and reasonable. [Construction]	Conformant	<p>Addressed in the Noise and Vibration Management Sub-Plan under section 4, 5.2 and 10. This EPO has been included as an overarching performance criterion of the Noise and Vibration Management Sub-Plan. The Sub-plan follows the framework set out in the Interim Construction Noise Guideline (ICNG) to: The framework set out in the project EPL is based on the ICNG as follows: 1. identify sensitive land uses that may be affected through consultation and land use survey. 2. identify hours for the proposed construction works through the development of an Out of Hours Works Protocol based on the noise criteria established for NSW. 3. Identify noise impacts at sensitive land uses through the development of CNVIS in accordance with this Sub-plan. 4. Select and apply the best work practices to minimise noise impacts including respite periods, standard and specific mitigation measures and the additional mitigation measures. The Noise and Vibration Management Sub-plan was endorsed by the ER on the 15 August 2019 and approved the Secretary on the 21 November 2019. During the reporting period, this EPO was communicated through Toolbox talks and daily pre-starts.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-NV-2 v1	The project would avoid any damage to buildings or heritage items from vibrations. [Construction]	Conformant	<p>Addressed in the Noise and Vibration Management Sub-Plan under sections 4.4, 5.2, 10.1, 10.2, 11.3.1 and 11.5.3. Damage to buildings or heritage items from vibrations will be managed through the process of steps outlined in the Noise and Vibration Management Sub-Plan. This includes: -Identification of buildings or heritage items at risk of vibration impacts through a land use survey and consultation. - Assessment of potential vibration impacts in CNVISs. -Completion of Building condition reports prior of works. -Establishment of vibration criteria and safe working distances for vibratory equipment. - Limitations on the size or type of equipment that can be used within the safe working distances for vibratory equipment. -Mandatory continuous monitoring with equipment with alarm / notification systems where plant or equipment must be used within or near the safe working distances for vibratory equipment. -Obligations on the JV to repair or compensate any damage to buildings of their contents because of vibration. During the reporting period, this EPO was communicated through Toolbox talks and daily pre-starts and reflected in relevant ECMs and the vibration monitoring activities.</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-SG-1 v1	Erosion and sediment controls during construction would be implemented in accordance with Managing Urban Stormwater: Soils and Construction Volume 1 (Landcom, 2004) and Managing Urban Stormwater: Soils and Construction Volume 2 (Department of Environment and Climate Change, 2008a).	Conformant	Addressed in the SEMP under section 8. This EPO has been incorporated into mitigation measures that address erosion control and management, including SE12 and SE13. Also addressed under the Soil and Waste Management Plan under section 6 and Appendix A (Erosion and Sediment Control Procedure). The Soil and Water Management Sub-plan was endorsed by the ER on the 12 August 2019 and provided to the Secretary for information on the 11 November 2019. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21. During the reporting period, this EPO was communicated through Toolbox talks and daily pre-starts. Erosion and sediment control plans were prepared by competent personnel that have completed training in the preparation of Erosion and Sediment Control Plans in accordance with Managing Urban Stormwater: Soils and Construction Volume 1 and 2. Erosion and sediment control plans for moderate or high-risk areas, such as works adjacent to or within waterways, were prepared or reviewed by a Soil Conservationist expert during the reporting period.





ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-SG-2 v1	There would be no impacts on aquatic environments associated with the disturbance of ASS during construction.	Conformant	<p>Addressed in the Construction Contaminated Land Management Sub-Plan under section 5.1.2. There will be no disturbance of ASS within Parramatta River during construction. As such, there will be no impacts on aquatic environments. Also addressed in the SEMP under section 8. This EPO has been incorporated into mitigation measures that address erosion control and management, including SE12, SE13 and SE17. Also addressed in the soil and water management sub-plan under section 6 and Appendix C (Acid Sulfate Soil Management Procedure). The SEMP was endorsed by the ER on the 9 August 2019 and approved by the Secretary on the 21 November 2019. Following the annual review process, the revised SEMP was approved by the Secretary on 15-Sept-20. Site specific Acid Sulfate Treated Material Sampling and Validation Procedures were implemented during the reporting period to support implementation of the Sub-plan (refer to SG-04).</p>



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-SG-3 v1	Any contamination on project sites would be remediated to suit future land use.	Conformant	Addressed in the Construction Contaminated Land Management Sub-Plan under section 5.2. Twelve Areas of Environmental Interest (AEI) were identified as having a high risk of contamination, or identified as medium risk subject to further desktop assessment are located within the Infrastructure Works area. The following sites have been determined to require further assessment: former gas works, Queens Wharf Reserve (198 George St), 13A Grand Avenue, Camellia, North of Grand Avenue, Camellia, Sandown Line and Grand Avenue Overpass and Arthur Street compound. Detailed Site Assessments were prepared where relevant and Remedial Action Plans were prepared and endorsed by the Site Auditor. Remediation works were completed and validated and Site Audit Statements are in progress.
EPO-SU-1 v1	The project would be carried out in accordance with the Parramatta Light Rail Sustainability Strategy.	Conformant	Addressed in the SEMP under sections 2.2, 4.1, 9.3.2, 9.3.1 and Table 4-1. Relevant sustainability requirements are reflected in this Plan including: - Objectives (Responsible Construction Leadership Group (RCLG) minimum Site Accommodation Requirements), - Inclusion of relevant controls in Table 8-1 (SE46), -Inclusion of site facility energy and water efficiency (efficient fixtures, fittings and appliances) in inspections, -Monthly monitoring of construction facilities to confirm that Site Accommodation Requirements have been implemented.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-SU-2 v1	The project would comply with the relevant requirements of the NSW Government Resource Efficiency Policy.	Conformant	Addressed in the SEMP under sections 2.2, 4.1, 9.3.1 and table 8-1. Relevant requirements of the NSW Government Resource Efficiency Policy are reflected in this Plan including: - Objectives (Responsible Construction Leadership Group (RCLG) minimum Site Accommodation Requirements), - Inclusion of relevant controls in Table 8-1 (SE46), - Inclusion of site facility energy and water efficiency (efficient fixtures, fittings and appliances) in inspections.
EPO-TT-1 v1	The project would implement measures to minimise impacts on the road network, including staging. [Construction]	Conformant	Addressed in the TTAMP. Section 6 outlines measures that will be implemented to ensure impacts to traffic, transport and access are minimised. Section 6.1.1 details the proposed strategy related to the construction and traffic staging. This is also addressed in the SEMP under section 8 and 9.4. During the reporting period, the requirements of this EPO were communicated through Toolbox talks and daily pre-starts and reflected in site specific TMPs developed in consultation with the SCO and other nominated stakeholders. This EPO has been incorporated into mitigation measures that address road safety and access management, including SE05 to SE09. The Traffic and Transport Management Sub-plan was endorsed by the ER on the 9 August 2019 and provided to the Secretary for information on the 11 November 2019. Following the annual CEMP review process, the revised CEMP and sub-plans were submitted to the Secretary on 23-Dec-21.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-TT-2 v1	Pedestrian and cyclist safety would be maintained. [Construction]	Conformant	Addressed in the TTAMP (Section 6.6). Additional controls have been implemented during the reporting period ensure pedestrian and cyclist safety. This includes providing temporary footpaths and crossings as detailed in site specific TMPs. This is also addressed in the SEMP under section 8. This EPO has been incorporated into mitigation measures that address pedestrian and cyclist safety, including SE04, SE05 and SE08.
EPO-TT-3 v1	Effective coordination would be carried out to minimise cumulative network impacts. [Construction]	Conformant	Addressed in the TTAMP. Coordination with relevant stakeholders and agencies occurred during the reporting period through the TCG and the Traffic Transport Liaison Group.
EPO-TT-4 v1	Access to property would be maintained. [Construction]	Conformant	Addressed in the Traffic, Transport and Access Management Sub-plan (CoA C3a) Section 6.9.1. Local Access Plans have been prepared prior to commencement of works for individual properties and access points that will be impacted by the construction works. These plans have been developed in consultation with affected parties (property owner and/or occupier, local community and stakeholders, as relevant) and reasonable endeavours are undertaken to obtain agreement from the relevant affected parties.



ID Ref.	Requirement	Compliance Status	Comments Aug-21 to Jan-22
EPO-UT-1 v1	There would be no unplanned or unexpected disturbance of utilities.	Conformant	Addressed within the Utilities Service Management Plan. During the reporting period, the requirements of this EPO were reflected in the Risk Register prepared for each Section of the alignment and SWMS. Additional controls to mitigate the risk of asset integrity damage are reflected in the Utility Service Management Plan including the Permit to Excavate process and the identification of unknown utilities/cables processes. There were no known utility impacts during the reporting period as a result of utility strikes.