



Botany Rail Duplication Independent Environmental Audit



Assessment of ARTC & John Holland Group Environmental System Compliance in accordance with CSSI-9714 Conditions of Approval

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Auditors:	Nilda Soto, Lead Auditor, AQUAS
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1. Executive Summary

This Audit Report presents the outcomes of the assessment of environmental controls established by ARTC and John Holland Group (JHG) against the requirements of the Critical State Significant Infrastructure conditions CSSI-9714 for the Botany Rail Duplication Project. The audit was conducted by AQUAS on 19 June 2023, covering the relevant conditions of Schedule 2 Parts A, B, C, E and Appendix A of CSSI-9714. The project was verified as generally compliant with the Conditions of Approval with the following key strengths noted:

- Demonstrated collaboration with the Sydney Gateway Stage 1 & 3 team to manage cumulative noise,
- Robust noise and vibration monitoring during weekend possessions and in consultation with the Acoustic Advisor,
- Based on the site inspection, strong implementation of environmental controls was demonstrated which included:
 - Good erosion and sedimentation controls installed at all compounds. Maintenance of these controls are regularly undertaken,
 - Silt curtain and silt fence installed at Mill Pond,
 - Stabilised access/egress (paved) at site compounds with rumble grids clear of dirt / no mud tracking on roads,
 - Self-bunded fuel tank onsite at point of use,
 - Numerous stockpiles at Mill Pond identified and correctly labelled. Height of stockpiles are compliant,
 - Site boundaries are fenced and well delineated,
 - Site compounds were kept clean and tidy with waste bins emptied and potable water available onsite; and
 - Parking was available onsite with no queueing on public roads.

Summary of Audit Findings

Based on the independent environmental audit carried out which comprised of review of documents and records, interviews with key personnel and a site inspection, there were a total of 136 Conditions of Approval assessed.

No non-compliances were identified by the auditor during this independent audit. This audit identified three (3) opportunities for improvement (OFI) and one (1) opportunity for improvement from previous audit Refer to OFI BRD-01_OFI-01. A summary of the findings is as follows:

Finding Ref.	Condition of Approval	Finding	Recommendation
BRD-02_OFI-01	<p>Condition C1</p> <p>A Construction Environmental Management Plan (CEMP), or a Staged CEMP where staging is proposed in accordance with Condition A11, must be prepared by having regard to the Environmental Management Plan Guideline – Guideline for Infrastructure Projects (DPIE, April 2020). The plan must detail how the performance outcomes, commitments and mitigation</p>	The Bi-Annual Management Review did not include ISO 9001:2015 Clause 9.3.2.	<p>It is recommended to include the following as per ISO 9001:2015 Clause 9.3.2:</p> <ul style="list-style-type: none"> i. Status of actions from previous management reviews, ii. Information on the performance and effectiveness of quality management system, including trends in audit results and nonconformities

Finding Ref.	Condition of Approval	Finding	Recommendation
	measures specified in the documents listed in Condition A1 will be implemented and achieved during construction.		and corrective action.
BRD-02_OFI-02	<p>Condition C6</p> <p>The Soil and Water Management Plan must be prepared by a suitably qualified and experienced person and include:</p> <p>(a) an Asbestos Management Plan (AMP) prepared in accordance with the National Environment Protection (Assessment of Site Contamination) Measure (NEPM) 2013</p> <p>(b) an Acid Sulfate Soil Management Plan (ASSMP) developed in accordance with the Acid Sulfate Soils Manual (ASSMAC, 1998); and</p> <p>(c) an Unexpected Contamination Finds Procedure</p>	It was not clear that the Soil and Water Management Plan was prepared by a suitably qualified and experienced consultant.	It is recommended to include Douglas Partner in the Plan as the qualified and experienced Consultant
BRD-02_OFI-03	<p>Condition E15</p> <p>Notwithstanding Condition E14, work may be undertaken between 1:00 pm to 6:00 pm on Saturday.</p>	There is evidence of an OOHW Register however the relevant Permit Number was not included.	It is recommended to include the Permit Number for each OOHW for traceability purposes
BDR-01_OFI-01 <i>(from previous audit)</i>	<p>Condition B2</p> <p>The Communication Strategy must:</p> <p>(e) provide for the formation of issue or location-based community forums that focus on key environmental management issues of concern to the relevant communities</p>	An opportunity for improvement to align or combine the issues of concern to those impacts identified under Section 3 (Table 3). While the Communication Strategy lists potential Consultation Forums (Section 4), there is little detail on the relevant key environmental management issues of concern.	This could be addressed as part of the 'Strategy' column in Table 3. There is also an opportunity for the Compliance Matrix to better reference the Communication Strategy's content e.g., CoA B2 under the matrix makes reference to Section 6 only.

These findings are further detailed in [Section 5.8.1](#) with a recommendation to address these opportunities to maintain full compliance with CSSI-9714 as well as improve the environmental performance of the project.

2. Introduction

2.1 Background

The Botany Rail Duplication (BRD) project will increase capacity on the Botany Line, encouraging road to rail freight transport, and shall reduce the rate of truck movements and traffic congestion. The duplication will also support rail services between Port Botany and metropolitan freight intermodal terminals.

John Holland Group (JHG) has been appointed by ARTC for the design and construction of the Botany Rail Duplication which comprises of the following:

- Construction of a new track within the rail corridor (track duplication)
- Realignment of part of the existing track sideways to make room for the new track
- Construction of new crossovers to allow train options to move between tracks
- Construction of new rail bridges at Mill Pond, Southern Cross Drive, O’Riordan Street and Robey Street
- Construction of embankment/retaining structures
- Ancillary work including bi-directional signalling upgrades, drainage work and protecting/relocating utilities.

ARTC and John Holland Group engaged AQUAS to undertake this initial independent environmental audit, conducted on the 19 June 2023. The audit was conducted within 52 weeks of the initial construction audit, in compliance with CSSI-9714 Condition A35 whereby “Independent Audits of the CSSI must be carried out in accordance with (b) the requirements for an Independent Audit Methodology and Independent Audit Report in the *Independent Audit PAR 2018*”.

2.2 Project Details

Project Name	Botany Rail Duplication
Project Application Number	CSSI-9714
Project Address	Building D, 10 Bourke Road Mascot NSW 2020
Project Phase	Construction
Project Activity Summary	<p>The following is a summary of the works that were in progress at the time of audit:</p> <ul style="list-style-type: none"> • Water proofing repair, deck truss and prefabrication girder reinforcement work at Mill Pond Bridge, • FRP works V-drain, slabs headwalls concrete pouring, strip head wall works, GST works Bay Street at Banksia site, • GST works at Bay Street • Preparation works for possession WE9 to be undertaken mid-August at Banksia. • Earthworks at General Holmes Drive • Bridge works including concrete pours at Southern Cross Drive • Construction of deflection walls including piling and capping beam works at Robey Street • Steel fix girders works at Triangle compound • Environmental controls maintenance works

2.3 Audit Team

Details of AQUAS independent environmental auditors that were approved by the Department for this audit are as follows:

Name	Company	Position	Certification
Nilda Soto	AQUAS	Lead Environmental Auditor	Exemplar Global Lead Environmental Auditor Certificate No. 115002
Anita Rylah	AQUAS	Alternate Lead Environmental Auditor	Exemplar Global Lead Environmental Auditor Certificate No. C-420931

Endorsement by the Department of Planning and Environment (DPE) of the Independent Lead and Alternate Environmental Auditors was granted on the 31st of May 2023 prior to the conduct of this audit, with the approval letter included as [Appendix B](#). Independent Audit declaration forms are also attached as [Appendix C](#).

2.4 Audit Objectives

The objective of this audit was to undertake the second independent environmental audit in compliance with infrastructure approval condition CSSI-9714 A35 and in accordance with the requirements of the Independent Audit Methodology and Independent Audit Report as per the *Independent Audit Post Approval Requirements (DPE, 2018)*.

2.5 Audit Scope

The following items were included within the scope of the audit in compliance with CSSI-9714 the relevant conditions Parts A, B, C, E and Appendix A for the Botany Rail Duplication:

- Review of implementation of management plans, including:
 - Construction Environmental Management Plan (CEMP)
 - Construction Noise and Vibration Management Sub-Plan including Construction Monitoring Program
 - Construction Traffic, Transport and Access Management Sub-Plan
 - Soil and Water Management Sub-Plan
 - Community Communications Strategy
- Site inspection conducted on 19 June 2023,
- Review of the environmental performance of the project,
- Review of environmental records including non-compliances and incidents raised by JHG,
- Interview of site personnel, and
- Consultation with stakeholders.

2.6 Audit Period

This is the second independent environmental audit on the project carried out by AQUAS, covering the review of environmental documentation, records and site inspection for the Botany Rail Duplication works within 52 weeks of the initial construction audit. This report is based on the result of sampling and supplied documentation/records, as well as the site activities during the audit on 19 June 2023.

3. Audit Methodology

3.1 Approval of Auditors

Letter from the Planning Secretary agreeing to the auditors is attached as [Appendix B](#).

3.2 Audit scope development

AQUAS developed the audit scope and a checklist based on the infrastructure requirements set out in the CSSI-9714 Approval Conditions. Refer to [Appendix C](#) of this report.

3.3 Audit Process

3.3.1 Opening Meeting

An opening meeting was held on 19 June 2023 at 8:30am at the Botany Rail Duplication office at Mascot with JHG & ARTC project personnel and AQUAS auditor.

3.3.2 Conduct of Audit

Audit activities included the following:

- Review of the project documentation (CEMP and sub-plans) and records to verify compliance with the CSSI-9714 conditions
- Conduct of a site walk and drive through led by JHG and ARTC representatives to review implementation of mitigation measures and environmental controls on 19 June 2023
- Conduct of the audit based on the checklist with the Conditions of Approval, interviews with personnel and review of records provided as evidence of compliance, and
- Discussion of any identified findings and actions noted during the audit and site inspection.

3.3.3 Closing Meeting

The closing meeting was held on site on the 19 June 2023 at 4:00pm with representatives of ARTC, JHG and AQUAS. General feedback and the audit findings were discussed during the closing meeting.

The AQUAS Lead auditor acknowledged the cooperation, openness, and hospitality of the JHG team during the conduct of this audit and noted their strong environmental monitoring practices and records management.

3.4 Interviewed Persons

Name and position of persons interviewed and consulted are as follows:

Name	Organisation	Position
Rachael Labruyere	JHG	Environmental Manager
Liam Taurins	JHG	Environmental Coordinator
Eric Zhang	JHG	Environmental Graduate
Hamish Russell	JHG	Environment Manager
Loretta Mihaljek	JHG	Community and Stakeholder Manager
Angela Phelan	JHG	Quality Manager
Alison Wedgwood	ARTC	NSW Environment Manager

Name	Organisation	Position
David Lamb	ARTC	Environment Lead

3.5 Details of Site Inspection

The site inspection was conducted at 9:15am to 11:30am on 19 June 2023, with representatives from JHG, ARTC and AQUAS. Limited minor issues were identified during the site inspection; however, these elements were rectified in the following hours. Refer for further details of the inspection in Section 5.4 of this report and site photos in [Appendix D](#).

3.6 Consultation

Consultation emails were sent in advance of the audit to relevant personnel at the Department of Planning and Environment, Bayside Council as well as the Environmental Representative (ER) and Acoustic Advisor (AA) to request feedback about the project and highlight any areas for review by AQUAS during the audit.

Contact	Role	Agency	Comments	Audit Findings
Michelle Larkin	Planning Officer – Metro Compliance	Department of Planning and Environment	No comments received.	Not applicable. The audit checklist was developed as per the conditions of approval CSSI-9714.
Alison Wedgwood	NSW Environment Manager	ARTC	Understanding of overall level of compliance with the approval condition as normal – however, given the project has probably less than 12 months of construction remaining – a focus on the specific deliverables that are required prior to completion of the construction phase to give an understanding of how the project is tracking towards operational readiness by the time the project concludes. Another specific on-site focus for the team recently has been stockpiling and material/movement and waste disposal.	Specific deliverables have been indicated within the audit checklist, in particular surrounding conditions A32, D2, D3, D4, E9, E11, E32, and E33.
Rui Henriques	Environmental Representative	Healthy Buildings International (HBI)	It would be valuable to explore compliance around conditions E27 and E65.	Based on the evidence presented in the audit, full compliance was verified for E27 and

Contact	Role	Agency	Comments	Audit Findings
				E65. Refer to Audit Checklist.
Dave Anderson	Acoustics Advisor	Acoustic Studio	Confirming no specific concerns at the moment that would warrant particular areas of focus during the audit.	Not applicable. Noise conditions were reviewed as per audit checklist.
Colin Mable	Council Representative	Bayside Council	No comments received.	Not applicable.

Refer to [Appendix E](#) for copies of the consultation records.

3.7 Audit Compliance Status Descriptors

The following audit criteria were used for the rating of audit findings.

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

In addition to the above descriptors, there was an option to raise three Opportunities for Improvement (OFI) during this audit. There is also an OFI from previous audit which was not addressed.

4. Document Review

The following documents were reviewed and/or sighted as part of this audit:

- Construction Environmental Management Plan, Doc No. BRD-JHG-PM-0000-MPL-12007, Rev 8, 20 September 2022
- Construction Noise and Vibration Management Plan, Doc No. BRD-JHG-EN-0000-MPL-13003, Rev 7 30 September 2022
- Construction Soil and Water Management Plan, Doc No. BRD-JHG-EN-0000-MPL-13004, Rev 9, 30 September 2022
- Construction Transport, Traffic and Access Management Plan BRD-JHG-TM-0000-PLN-00001 Rev 4, 9 February 2022
- Community Communication Strategy Document No BRD-JHG-CO-0000-STG-13000, Rev 7 dated 8 June 2023
- DPE Approval letter, ref SSI-9714-PA-74, ONVR, 2 December 2022
- DPE Approval letter – Independent Auditors, 31 May 2023
- DPE Approval letter – Independent Environmental Representatives, 9 November 2020
- DPE Approval letter – Independent Acoustic Advisors, 22 December 2020
- DPE email, ref SI-9714-PA-63, 21 September 2022
- ARTC Meeting Minutes, 2 May 2023
- ARTC Meeting Minutes, 3 May 2023
- ARTC Meeting Minutes, 10 May 2023
- ARTC Meeting Minutes, 17 May 2023
- ARTC Monthly Meeting Minutes, 18 May 2023
- ARTC Meeting Minutes, 15 June 2023
- ARTC Letter to DPE, submission of ERs, 2 November 2020
- ARTC submission of ONVR with AA verification to DPE, 11 November 2022
- ARTC email to DPE, 4 November 2022
- JHG email to ER, 7 June 2023
- JHG email to AA, 2 June 2023
- JHG email Z3-5 Night Shift Works WC-27, 16 February 2023
- Site Management Plan (SEMP) Rev 09, 16 December 2022
- Site Management Plan (SEMP), ref BRD-JHG-EN-0000-MPL-14003, Rev 09, 2 May 2023
- Environmental Representative Endorsement of CEMP and sub-plans, 30 November 2022
- Environmental Representative Site Inspection Report #38, 31 May 2023
- Acoustic Advisor Monthly Report for the period of July 2022, 7 August 2022
- Acoustic Advisor Monthly Report for the period of August 2022, 7 September 2022
- Acoustic Advisor Monthly Report for the period of October 2022, 7 November 2022
- Acoustic Advisor Monthly Report for the period of November 2022, 7 December 2022
- Acoustic Advisor Monthly Report for the period of December, 7 January 2023
- Acoustic Advisor Monthly Report for the period of January 2023, 7 February 2023
- Acoustic Advisor Monthly Report for the period of February 2023, 7 March 2023
- Acoustic Advisor Monthly Report for the period of March 2023, 6 March 2023
- Acoustic Advisor Monthly Report for the period of April 2023
- Acoustic Advisor Monthly Report for the period of May 2023
- Acoustic Advisor email, 5 June 2023
- Acoustic Advisor Endorsement, CNVMP Rev 4, 5 July 2022
- Project Update Reference: BRD34, May 2023
- Project Update Reference: BRD35, June 2023
- Project Update Reference: BRD18, 29 July 2022
- Project Update Reference: BRD19, 8 August 2022

- Project Update Reference: BRD21, September 2022
- Project Update Reference: BRD22, 31 August 2022.
- Project Update Reference: BRD30, Robey Street Road Closure
- EPL 21678
- Draft Project Update Reference: BRD36, July 2023
- Five-Day bridge construction: a major milestone, 15 February 2023
- Complaints Register, ARTC Major Construction Projects Complaints Register June 2023(005)
- Post Approval BRD Complaints Register April 2023– Proponent ARTC, Botany Rail Duplication Portal Submission SSI-9714-PA-95
- Post Approval BRD Complaints Register May 2023– Proponent ARTC, Botany Rail Duplication Portal Submission SSI-9714-PA-98
- Post Approval BRD Environmental Audit No. 1 Report, 3 August 2022, Portal Submission SSI-9714-PA-60
- Toolbox Meeting Record Number TBM/00036, 5 May 2023
- Environmental Monitoring Report, Doc No BRD-JHG-EM-0000-MPL-13008, Rev 01, 5 June 2023
- Aconex Transmittal JH-TRASMIT-001039, 14 June 2023
- Noise and Vibration Monitoring Report Rev 1, reporting period 12 August 2022 to 12 February 2023
- WE29 Noise Monitoring Field Form, 14 January 2023
- Operational Readiness Catch Up Meetings – MCP edition, 25 May 2023
- Lubricator Locations Update Meeting, 31 May 2023
- Friction Management Meeting, 30 March 2023
- Inspection INS-0025018, 31 May 2023
- Tree Tracking Register
- Design Report, Rev 3, 18 July 2022: Package No 1402, Drainage Zones 4&5 (General Holmes Drive to Cooks Loop) Design Stage 3 Document No BRD-JAC-DR-1402-DRT-0001
- OOHW Protocol, Document No BRD-JHG-NV-0000-PRT-00001, Rev 4, 22 August 2022
- Emergency Works Report: Myrtle Street signalling Repairs Rev 01 Document No BRD-JHG-EN-0000-RPT-14018, 14 April 2023
- Bayside Council email, 18 May 2023
- Out of Hours Works Permit 140 WE45, 5 May 2023
- Out of Hours Work Permit 150, 1 May 2023
- Sydney Gateway project email to JHG, 29 May 2023
- Sydney Gateway and Botany Rail Duplication Project Coordination Meeting No 32, 9 March 2023
- Renzo Tonin & Associates Noise and Vibration Assessment Report WE45, 5-8 May 2023
- Renzo Tonin & Associates Botany Rail Duplication Project – TM232-23F02 P1-P2 Botany Road Bridge Impact Piling Vibration Monitoring Report, 28 October 2022
- ARTC submission of justification report, 17 August 2022
- ARTC letter, 10 August 2022
- Acoustic Advisor Endorsement of Justification Report, 10 August 2022
- Environmental Representative approval of Justification Report 11, Ref No. 201203 (A) BRD_E33 12AUG22 February 2022
- ARTC email to DPE, 8 September 2022
- Correspondence dated 17 August 2022 includes John Holland letter dated 10 August 2022, report endorsed by the appointed Acoustic Advisor dated 10 August 2022 and approval from the Independent Environmental Representative dated 11 February 2022 Ref No. 201203 (A) BRD_E33 12AUG22
- Department of Planning and Environment submits correspondence to ARTC,30 August 2022 (SSI-9714-PA-63)
- Correspondence from John Holland,8 September 2022 to DPE
- DPE approval extension of timeframe for the delivery of noise mitigation works under Condition E33, Ref SI-9714-PA-63, 21 September 2022

- ARTC email to DPE, ONVR, 10 November 2022
- Operational Noise and Vibration Review by Acoustic Studio Acoustic Advisor as per Condition E32 for approval purposes. Doc ref: 20221110 Botany Rail Duplication ONVR - AA Verification Letter.docx
- DPE email to ARTC, approval of ONVR, Ref SSI-9714-PA-74, 2 December 2022
- Botany Rail Duplication Operational Noise & Vibration Review Rev 5 by Pulse White Noise Acoustics, Report No 210565_Botany Rail Duplication_R8.1.docx, Client Reference: BRD-JAC-NV-0000-REP-0001, 7 November 2022
- ARTC Upcoming Works Notification regarding Sydney Water Cutover Work, 13 June 2023
- Condition Surveys (Land Surveys), reference LS-004-772, Rev 0, 8 December 2021
- Progressive Erosion and Sediment Control Plan Document No BRD-JHG-EN-0000-PLN-13055 (GHD) Rev 4, 2 May 2023
- Progressive Erosion and Sediment Control Plan Document No 21000472-P02-REVB-20220509 Version B, Drawing P02 – Mill Pond Access and Abutment Works
- Douglas Partners Report on Site Contamination Investigation - Botany Rail Duplication Project – EIS Section Mascot Document No R.024.Rev 0, 17 August 2022
- Douglas Partners Site Contamination Report (Draft), reference R.024.DftC DSI, 26 May 2022
- Geosyntec Consultants Interim Advice 11 – Endorsement of the Remediation Action Plan (RAP) Botany Rail Duplication, Rev 3, 13 December 2022
- Aconex ref JH-SVVC-000104, 8 October 2021
- JHG Presentation of Sustainability and Environment Performance Review, July to September 2022
- Environmental Management Review, 26 May 2023
- Weightings Assessment Rev 3
- Road Dilapidation Report reference LS-004-846 Rev 0, 12 December 2021
- ARTC Botany Rail Duplication Notification Reference BDR29, February 2023
- BRD Parking WE45 text message
- WolfPeak Construction Lighting Audit was conducted, 13 August 2022
- Mitigating Light Pollution Toolbox was presented in September 2022
- Spoil Disposal Register dated March 2023
- Stockpile Waste Classification 27 – SP-016 for Botany Rail Duplication Project Mascot by Douglas Partners, dated 18 July 2022 Rev 0 Reference Number R.047.Rev0
- Records of docket's SharePoint – Documents/02.1 BRD External JH/ Contamination/ Combined docket's – from 12 September 2022 to 18 March 2023
- ER Monthly Report for July 2023, Ref: 201203-ER_DPE_BRD_July 2022, 5 August 2022
- ER Monthly Report for August 2023, Ref: 201203-ER_DPE_BRD_August 2022, 7 September 2022
- ER Monthly Report for September 2022, Ref: 201203-ER_DPE_CabLoop_September 2022, 7 October 2022
- ER Monthly Report for October 2022, Ref: 201203-ER_DPE_BRD_October 2022, 7 November 2022
- ER Monthly Report for November 2022, Ref: 201203-ER_DPE_BRD_November 2022, 6 December 2022
- ER Monthly Report for December 2022, Ref: 201203-ER_DPE_BRD_December 2022, 13 January 2023
- ER Monthly Report for January 2023, Ref: 201203-ER_DPE_BRD_January 2022, 7 February 2023
- ER Monthly Report for February 2023, Ref: 201203-ER_DPE_BRD_February 2023, 7 March 2023
- ER Monthly Report for March 2023, Ref: 201203-ER_DPE_BRD_March 2023, 12 April 2023
- ER Monthly Report for April 2023, Ref: 201203-ER_DPE_BRD_April 2023, 7 May 2023
- ER Monthly Report for May 2023, Ref: 201203-ER_DPE_BRD_May 2023, 7 June 2023
- AA Monthly Report for April 2023, 7 May 2023
- Complaints Register email, 8 June 2023

5. Audit Findings

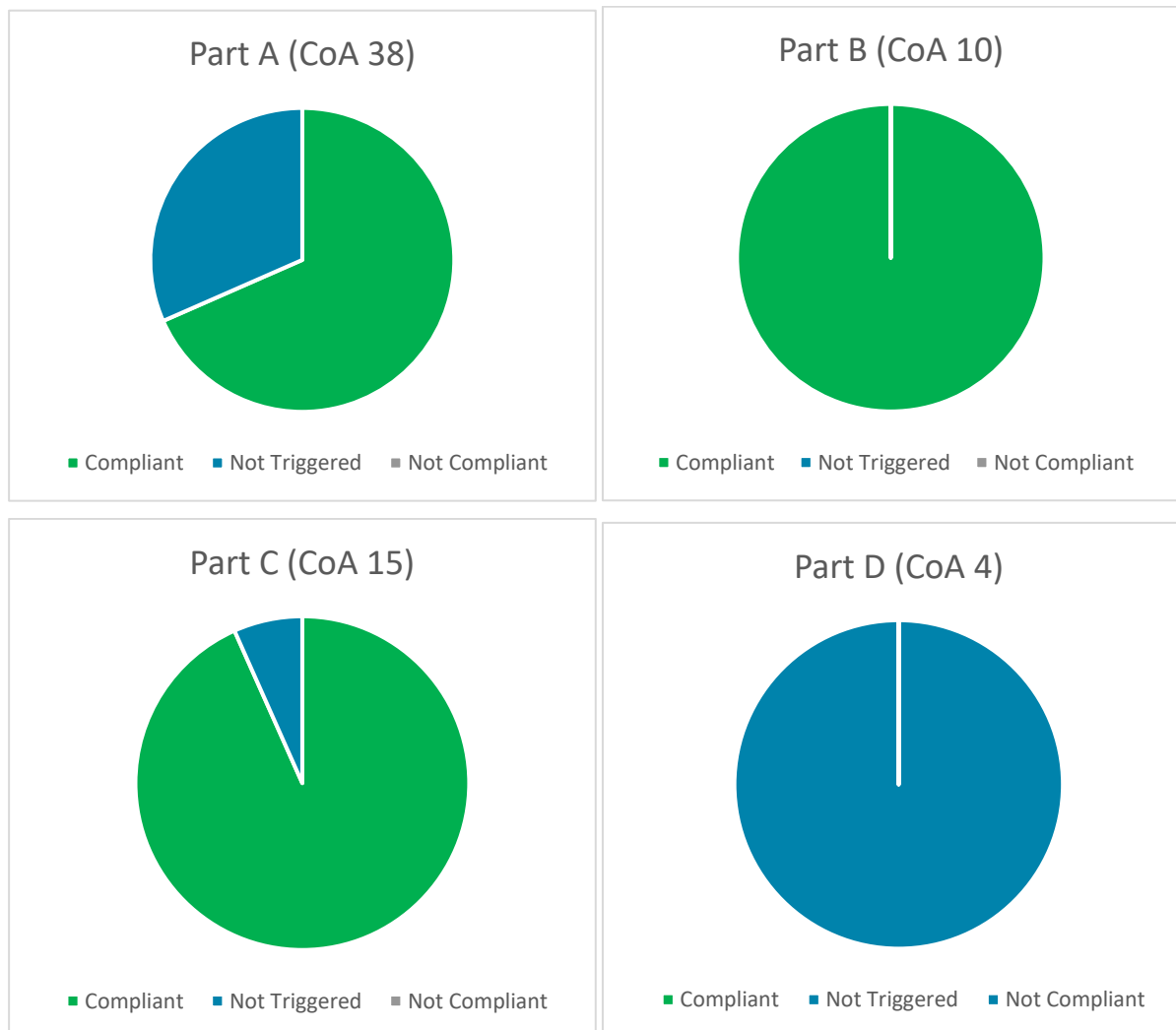
This audit was completed to assess the implementation of CEMP and environmental controls established by ARTC and JHG against the Conditions of Approval of CSSI-9714. The audit confirmed that ARTC and JHG have generally implemented its Environmental Management Plan mitigation measures in accordance with Conditions of Approval CSSI-9714. Audit findings are detailed under [Section 5.8](#) of this report.

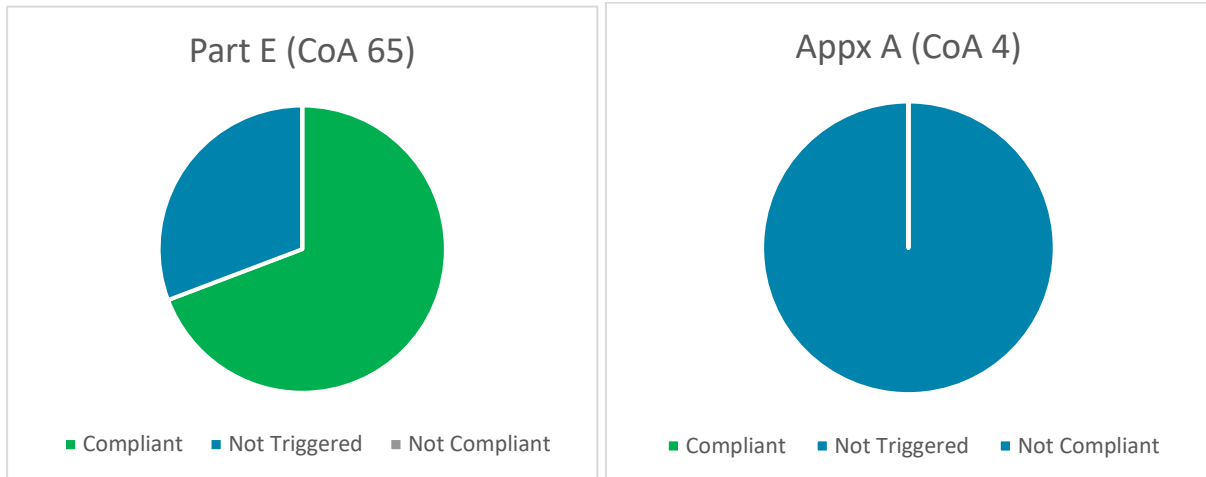
The following table summarises the audit findings by rating category:

Findings Rating	Findings
Compliant	95
Non-Compliant	0
Not Triggered	41
Total Requirements	136

5.1 Assessment of Compliance

The audit determined that ARTC and John Holland Group has complied with the Conditions of Approval. The comparison of audit requirements against the compliance ratings is as follows:





5.2 Notices, Incidents and Complaints

Complaints

A Complaints Register is maintained and managed by the Community and Stakeholder Manager (CSM). Details of the complaints are recorded, undergone an investigation and close out consequently. The Complaints Register is provided on a weekly basis and issued to the ARTC, Environmental Representative, and Acoustic Advisor.

Fifty (50) complaints have been received since the project commenced, of which two (2) complaints are under investigation dated 1 March 2023 and 7 June 2023 and one (1) complaint dated 13 March 2023 is being actioned by managing additional monitoring in future works.

Total Number of complaints: 50

Number of resolved complaints: 47

Number of complaints under investigation and additional monitoring: 3

Incidents

The JHG Incident and Event Management Procedure (JHMPR-SQW-010) continues to be implemented as well as the ARTC Incident Reporting Procedure (CORPR-PR-012) and Pollution Incident Response Procedure (ENV-WI-002). Under the procedure four classes of incidents are detailed:

- **Class 1:** Incidents which have high severity impacts on the community and/or environment and may have irreversible residual impacts.
- **Class 2:** Incidents which have moderate severity impacts on the community and/or environment (1-3 months duration) but are fully reversible with no residual impacts.
- **Class 3:** Incidents which have low severity impacts on the community and/or environment in the short term (<1 month duration) and are fully reversible with no residual impacts.
- **Report Only:** Pollution or degradation which is not related to JHG activities.

There is evidence of an Incidents Register captured via Soteria, showing fourteen (14) environmental incidents raised during the audit period. These are shown below:

BRD Reference	Date	Details	Status
Environmental Incidents Raised			
INC-0097805	01/06/2023	Disturbance of pre-existing sediments within Mill Stream. Caused by the removal of clean rock with an excavator that was placed in Mill Stream Pond.	Closed
INC-0096840	22/04/2023	A subcontractor from Kane Civil has got into a truck that had been parked up overnight	Closed
INC-0096807	20/04/2023	John Holland Crawler Crane within Baxter Road compound spill of hydraulic fluid after O-Ring failure.	Closed
INC-0096563	29/03/2023	Additional equipment (hammer drill), used during night shift and not included in the OOH Noise Permit	Closed
INC-0096540	28/03/2023	JH Slew Crane leaking hydraulic fluid	Closed
INC-0096195	24/02/2023	Tear in grout mattress resulted in grout being released into the diversion trench with a small amount (approx. 5ml) of liquid seeping into Mill Stream	Closed
INC-0095883	15/02/2023	Grout dripped from the Robey Street bridge works onto a car driving on Robey Street. No material entered the surface water drains and a road	Closed
INC-0095699	03/02/2023	During the pre-acceptance inspection of a fuel tank, it was identified the seal on the tank was faulty and leaking internally in the tank.	Closed
INC-0096529	31/01/2023	Concrete washout overspilled the washout bay. Small amount of concrete escaped the premise area and was captured in ersed controls	Closed
INC-0094433	18/10/2022	While undertaking piling works for Botany Road Bridge, impact driving was utilised to drive sacrificial casings (required for pile support)	Closed
INC-0095028	06/09/2022	Damage to a fig tree roots along the access track between Banksia compound and Mill Stream Bridge.	Closed
INC-0093954	06/09/2022	During APA cable works, the excavator interacted with an adjacent fig tree root, unearthing and causing damage to the roots.	Closed
INC-0093010	21/07/2022	Mill Stream access track, in the process of floating out plant for piling works a tree branch has been broken off from a tree along the access	Closed
INC-0092889	12/07/2022	Approximately 1.5 - 2L of slurry of some description has been observed leaving the site, spilling across the footpath.	Closed

Non-Compliances/Non-Conformances

The following project system non-conformances were raised by the John Holland Group within the audit period. Of a total of thirty-six system non-conformances, one (1) relates to the environment and the outstanding are project system non-conformances. These are shown below:

BRD Reference	Date	Details	Status
System Non-Compliances Raised (1 in total)			
SNC/BRD/0018A	18/10/2022	CNVIS for piling activity did not include correct methodology and monitoring was not in place Non-conformance occurred at the ZN2-Zone 2 at Botany Road Bridge. Root cause was individual human error including misunderstanding of piling terminology and processes. DPE was notified accordingly	Closed
Project Non-Compliances Raised (35 in total)			
SNC/BRD/00044	1/06/2023	RW04 Pile Cap pours in HWP/BRD/01522 were not raised in time. This is a non-conformance with B80 Hold Point 7.5.2 & 7.6.2.	Open
SNC/BRD/00043	25/05/2023	The Hold Point (TSWD App. 22.7.12) for notification to the PV for Rectification of repair work was not formally submitted for repair works on Millstream Pond Underbridge (PNC/BRD/00045) and for Robey St Underbridge (PNC/BRD/00050)	Open
SNC/BRD/00042	24/05/2023	Temporary Works TW1079 DW01 & DW02 for Wall Formwork Access Scaffold was constructed prior to IFC certification.	Open
SNC/BRD/00041	18/05/2023	Temporary work for DP 1100 commenced prior to IFC.	Open
SNC/BRD/00040	18/05/2023	Temporary Works for F-Type concrete block	Open
SNC/BRD/00039	9/05/2023	A B80 concrete Hold Point was not raised within the required timeframe prior to erection of Category C formwork.	Closed
SNC/BRD/00038	5/05/2023	Proceeding with construction works of TW1156 prior to going through the Pre IFC process and obtaining a no objection from ARTC Undertaking mechanical excavation within 1m of a live signalling asset as per requirements of Section 9.4 of TSWD Main Body	Open
SNC/BRD/00037	27/04/2023	TW1153 O'Riordan Launch Pad Girder Access Platform - Reviewable Design Submission non-conformance raised for pre-IFC commencement	Open
SNC/BRD/00036	22/03/2023	A B80 concrete pour Hold Point was not raised for the commencement of blinding, including the local thickening and inclusion of mesh in the blinding for the protection slab over the concrete stormwater pipe. The detail is included as a part of JH-RFI-073.	Closed
SNC/BRD/00035	21/03/2023	Commenced construction on the F-Type Barrier prior to IFC Design	Open
SNC/BRD/00034	21/03/2023	Commenced construction of RW03 prior to IFC Design	Open
SNC/BRD/00033	10/03/2023	B201 Structural Steel Hold Points for O'Riordan Bridge were not raised prior to fabrication.	Closed
SNC/BRD/00032	23/02/2023	John Holland site delivery team failed to raise applicable hold point to PV in a timely manner regarding first case of precast planks for O'Riordan St bridge	Open
SNC/BRD/00031	23/02/2023	Multiple temporary work designs were constructed prior to IFC certification: TW 1072 - Robey Bridge - Platform for transverse post-tensioning - Girders 1 & 2	Open
SNC/BRD/00030	23/02/2023	At the location of the RW07 temporary retaining wall for a piling pad, it was observed that the temporary works design was not being followed. In place of what was meant to be interlocking mass blocks with geogrid, it was noticed that the work crew were installing F-Type barriers and filling against them without any geogrid being used to hold up the additional fill.	Closed
SNC/BRD/00029	22/02/2023	Dura UHPFRC Mixing & Placement Concrete work Hold Points were not submitted for release prior to the works commencing. As per the QMP Section 7.15.3 notification is to be raised in PPW and to be released by the nominated authority, this process was not followed.	Closed
SNC/BRD/00028	22/02/2023	The ITP for Ultra High-Performance Fiber-reinforced Concrete UHPFRC Mixing, and Placing Concrete Works (DURA) was not approved prior to commencement of stitching of the Robey St deck planks. Appendix 22	Closed

BRD Reference	Date	Details	Status
		section 22.3.3 d) ii) of the TSWD requires ITPs for use to verify the project works.	
SNC/BRD/00027	22/02/2023	Botany Yard lighting works (ARTC lighting) commenced prior to IFC design.	Open
SNC/BRD/00026	22/02/2023	Hold Points not raised as per ITP and B201 for Southern Cross Drive Temporary Steelwork (Span 2)	Open
SNC/BRD/00025	15/02/2023	Robey St underbridge precast Approach Slabs Hold Point for B80 Cl.7.5.1 Concreting of Precast Concrete Members Cast Off Site was not submitted 2 days prior to commencement.	Closed
SNC/BRD/00024	25/01/2023	Temporary BY2 Offset from Track Alignment	Open
SNC/BRD/00023	18/01/2023	RW06 Pile Cap pours in HWP/BRD/00889 & HWP/BRD/00890 were not raised in time. This is a non-conformance with B80 Hold Point 7.5.2 & 7.6.2.	Closed
SNC/BRD/00022	2/12/2022	Hold Point for the delivery of Piling Plant and Equipment to site for Central Pier Piles Southern Cross Drive was submitted after the equipment had been mobilised to site. (Refer HWP/BRD/00710 B59 Cl3.3 Delivery of piling plant and equipment to site). The PV reviewed the the SCD piling pad documentation and has noted that the pad has been designed for the maximum design case and has released the HP.	Closed
SNC/BRD/00021	1/12/2022	TW1020 Temporary Works package for Southern Cross Drive Abutment 2 Temporary Retaining Wall (mail number JH-TRANSMIT-000649 dated 7th September 2022) was submitted at stage 3 for close out after completion of piling platform construction works. Section 7.8 Design Documentation for construction of the ITC General Conditions was not followed.	Open
SNC/BRD/00020	29/11/2022	Signal Base checklist BRD-JHG-QM-0000-CKT-1602 was completed on site for signal base installation but the approved document version was not used. All items were included in the checklist and signed off. There were x2 internal JH Hold Points that were not raised in PPW, the nominated authority was notified for excavation works and for QA close out.	Closed
SNC/BRD/00019	24/11/2022	The ITP template for BRD project consists of 2 parts. The second part of the ITP - QA checklist was not being completed. The QA review was being undertaken in PPW and Compliance and the lot close out recorded in PPW.	Closed
SNC/BRD/00018	7/10/2022	Clearing and Grubbing for Zone 4 was divided up in to multiple lots. The Hold point for Identifying Clearing Limit - Intention to clear was raised but not submitted to the JH Project Engineer for two Clearing and Grubbing lots. Notification was given for the whole area but it was not identified until close out of the lot WLD/BRD/00025 and WLD/BRD/00026 that these Hold Points were pending formal approval.	Closed
SNC/BRD/00017	4/10/2022	Hold Points to be released by the PV inconsistency with QA documentation (HWP/BRD/00558)	Closed
SNC/BRD/00016	9/09/2022	Hold Point not raised for Clearing and Grubbing AMS or approved EMP as per ITP for Clearing and Grubbing BRD-JHG-QM-00000-ITP-4703.	Closed
SNC/BRD/00015	30/08/2022	Hold Point HWP/BRD/00557 for TfNSW D&C B80 Cl. 3.9.1 Submission of Nominated Mixes was raised in PPW to the nominated authority but it was not submitted within the specified time stated of least 4 weeks prior to the proposed date for use of the concrete mix.	Closed
SNC/BRD/00014	30/08/2022	Late notification of Hold Point HWP/BRD/00504 Submission of CBR results for WE07 Track Recon	Closed
SNC/BRD/00013	26/08/2022	An RFI was internally raised to designers (Jacobs) to review JH proposal for RW04 P2 failure. A product NCR was also raised within 2 days in PPW with disposition pending designers recommendation. The internal RFI was responded to by the designers and the RFI recommendation regarding the RW04 P2 failure was submitted to ARTC for review and acceptance. Nonconformances are to follow the procedure as per Section 7.17 in the QMP where all non-conformances are to be reported using PPW. JH did	Closed

BRD Reference	Date	Details	Status
		not follow the NCR reporting process where the NCR disposition should have been submitted to the PV for their review and approval.	
SNC/BRD/00012	26/08/2022	ITP BRD-JHG-QM-0000-ITP-3402 Track Reconditioning Rev 0 was submitted to ARTC and PV through Aconex. The PV provided comments on the ITP and submitted these to JH for response through Aconex. These comments were not responded to and associated works commenced. The ITP was approved for use, but there were comments still not closed out from the PV and JH had not provided any response to the correspondence received.	Closed
SNC/BRD/00011	25/08/2022	RFI for CFA mix design JH-RFI-000092 was raised in Aconex and submitted for review and approval to ARTC. Concrete mix designs which are not already nominated on the TfNSW concrete mix design register and require approval are to be submitted in a Hold Point as per specification TfNSW D&C B80. This Hold Point is to be raised in PPW and submitted to the Project Verifier for review and approval. This process was not followed correctly.	Closed
SNC/BRD/00010	12/07/2022	Notification of upcoming project audit was not provided, nor evidence given to representatives of ARTC, the Project Verifier, the Acoustics Advisor, and the Environmental Representative as per Clause 4.5.5 (b) of the TSWD main body.	Closed

These non-compliances were non-reportable events.

5.3 Previous Audit Findings

Findings raised during the initial audit and their status is as follows:

Finding No.	Condition of Approval	Finding	Evidence	Status
BRD01-NC-01	<p>A1 General</p> <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 Botany Rail Duplication Environmental Impact Statement (October 2019) and the Botany Rail Duplication Submissions Report (March 2020).</p>	<p>NC-01: A non-compliance is raised against CoA A1 based upon the non-compliance raised at Condition E47.</p> <p>Recommendation: Addressing the non-compliance against E47 will automatically address this non-compliance.</p>	<p>The non-compliance raised against condition E47 (NC-02) has been addressed and closed, therefore Condition A1 is closed.</p>	Closed
BRD01-NC-02	<p>E47 Traffic and Transport</p> <p>Before any local road is used by a heavy vehicle for the purposes of construction of the CSSI, a Road Dilapidation Report must be prepared for the road. A copy of the Road Dilapidation Report must be provided to the relevant Council within three (3) weeks of completion of the survey and at least two weeks before the road is used by heavy vehicles associated with the construction of the CSSI.</p>	<p>NC-02: Based upon the evidence provided, submission of the Road Dilapidation Report to Bayside Council was unable to be verified.</p> <p>Recommendation: The Proponent must retain all records with consistency to ensure compliance with all Conditions of Approval.</p>	<p>Details of submission of the McBurney Road Dilapidation Report issued to Bayside Council as evidence of close out of the NC-02 was presented to the auditor on the 02 August 2022. Bayside Council acknowledged receipt of the document.</p> <p>NC-02 is now closed.</p>	Closed
BRD01-OFI-01	<p>B2 Communication Strategy:</p> <p>The Communication Strategy must:</p> <p>(e) provide for the formation of issue or location-based community forums that focus on key environmental management issues of concern to the relevant communities</p>	<p>OFI-01: An opportunity for improvement to align or combine the issues of concern to those impacts identified under Section 3 (Table 3). While the Communication Strategy lists potential Consultation Forums (Section 4), there is little detail on the relevant key environmental management issues of concern.</p>	<p>The Community Communication Strategy Document No BRD-JHG-CO-0000-STG-13000, Rev 7 dated 8 June 2023 presented to the auditor. Rev 7 of the Strategy includes the six-monthly review by Paul Dalziel. This document</p>	Open

Finding No.	Condition of Approval	Finding	Evidence	Status
		<p>Recommendation: This could be addressed as part of the 'Strategy' column in Table 3. There is also an opportunity for the Compliance Matrix to better reference the Communication Strategy's content e.g. CoA B2 under the matrix makes reference to Section 6 only.</p>	<p>is located on the project website. Recommended changes from the previous audit have not been addressed. Two six monthly reviews have been undertaken since the audit and the decision was not to adopt these changes. This element will be included as an opportunity for improvement. Refer to Sections 1, and 5.8.1</p>	

5.4 Audit Site Inspection

Site walks and drive through were conducted on the 19 June 2023 with representatives of JHG and ARTC where the AQUAS auditor reviewed the efficiency of environmental mitigation measures. The inspection included the Botany Triangle compound, General Holmes Drive compound/car parking site, Mill Pond site.

The following observations during the site walk were noted:

- No obvious signs of excessive dust deposition outside the construction areas, including adjacent roads,
- General Holmes Drive shows no mud tracking on the road,
- Site signage installed in all compounds,
- Shade cloth with project and contact details are displayed on compound/project boundaries,
- General Holmes Drive compound still active, to be demobilised shortly,
- There is no dust deposition identified on vegetation or sensitive receptor areas including Mill Pond compound,
- Stockpiles at Mill Pond are appropriately labelled, and height requirement of stockpiles is compliant,
- Exposed areas of earth including batters are being managed appropriately to prevent airborne dust. Water cart and geotextiles cover in place,
- No evidence of plant or equipment on compounds generating excessive fumes/visual emissions,
- Plant on site is not left idling and are switched off when they are not in use,
- General Holmes Drive, Triangle and Mill Pond compounds have clear access/egress including parking available with traffic signs installed,
- Rumble grid installed and maintained in excellent way,
- Erosion and sedimentation controls are in place and being maintained regularly in all compounds. A minor gap was identified during the site inspection, and it was repaired immediately,
- Batters and exposed areas are treated with soil binder spray at Mill Pond as the areas will be excavated in the next 2 weeks,
- Self-bunded fuel tank in placed,
- Traffic controllers on access/egress on site compounds at all times,
- Silt curtains including appropriate sedimentation fences installed along Mill Pond,
- All site sheds maintained, potable water and facilities in place,
- Pre-start board on display at Botany Triangle compound, and
- Waste bins installed and maintained regularly throughout the project compound/areas.

5.5 Suitability of Plans and the EMS

The Construction Environmental Management Plan (CEMP) and sub-plans were reviewed and endorsed by the Environmental Representative (ER) as per condition C3, prior to construction commencing and being implemented during construction. The Acoustic Advisor (AA) reviews all Out-of-Hours-Work documents and applications prior to works being conducted demonstrating implementation of the Noise and Vibration Management Plan and as evidenced in the AA Monthly Report. The ER also reviews the project's environmental documentation on a regular basis as evidenced in the ER Monthly Reports, undertaking fortnightly inspections to ensure the system remains current and suitable to the works.

Based on the evidence provided, the environmental management plans and system appear to be implemented well, demonstrated through the noise and vibration monitoring activities, no environmental incidents to date, and little complaints received since construction commenced.

5.6 Actual and Predicted Impacts

There were no significant changes or additional impacts noted on the actual construction works and predicted impacts are as stated in the Environmental Impact Statement and Submissions Report.

Air Quality

No dust was generated during the site inspection. Air quality is visually monitored onsite during construction and rail possession works.

Biodiversity

Credit retirement was evidenced in previous audit undertaken 9 June 2022. Consultation process has now commenced with Bayside Council for replacement trees.

Contamination

A Site Contamination Investigation has been undertaken and a Site Contamination Report has been drafted by Douglas Partners.

A Remediation Action Plan has been developed and audited against relevant guidelines under Section 105 of the Contaminated Land Management Act 1997 NSW. The auditor has considered that the RAP is practical, and the site is capable of being made suitable for the proposed use as an operational rail corridor providing the RAP is implemented and any residual contamination is managed by a Long-Term Environmental Management Plan.

A Spoil Disposal Register has been developed and maintained.

Hydrology flooding

Measures to improve flood characteristics have been incorporated in the Flood Model which is part of the design process. The Design Report and attachments were presented during the audit. **Water Quality and Soil**

Progressive Erosion and Sedimentation Control Plans are in place and up to date. There is no allowance to discharge water as per EPL requirements.

Land Use and Property

All Condition Surveys have been prepared and reviewed. Reports were undertaken in accordance with the Noise and Vibration Management Plan. No other updates incurred under this Condition

Landscape and Visual Assessment

Hoarding continues to be installed with shade cloths throughout the site locations as verified during the site inspection. A Construction Lighting Audit was undertaken on the project with applicable controls compliant. A Toolbox Talk was also actioned for Mitigating Light Pollution.

Social

The Community Strategy is being implemented as verified during the audit and a complaints management process was demonstrated. Community notifications are being regularly actioned. Changes to project scope or methodology that are consistent with the approval are continuously assessed and approved by ARTC under the process of Consistency Assessment in accordance with the CEMP.

The Site Inspection was conducted to review implementation of the CEMP and subplans identifying aspects and impacts on site. Summary of the inspection is documented in the report under [Section 5.4](#) and [Appendix G – Photos](#). The implementation of the CEMP and subplans were evaluated considering the Out-of-Hours-Work and noise and vibration monitoring, a focus area as requested by the stakeholders during consultation. The CEMPs were reviewed and approved by the ER and AA in accordance with the Minister's Conditions of Approval. Evidence of the review were presented in the

[Appendix D – Checklist](#). It is also noted that the ER inspection reports, and AA Reports were reviewed and evaluated as part of the implementation of the CEMP and subplans.

5.7 Key Strengths

The project demonstrated general compliance in accordance with the conditions of approval CSSI-9714 with the following key strengths noted:

- Demonstrated collaboration with the Sydney Gateway Stage 1 & 3 team to manage cumulative noise,
- Robust noise and vibration monitoring during weekend possessions and in consultation with the Acoustic Advisor,
- Management of complaints is robust and responses including investigations are promptly addressed and resolved properly,
- Out of Hours Works process is well structured and implemented,
- Excellent proactive planning by the parties in preparation for the upcoming Operational Conditions of Approval demonstrated,
- Based on the site inspection, strong implementation of environmental controls were demonstrated which included:
 - Good erosion and sedimentation controls at Mill Stream Pond – silt curtain with no sediment plume evident in water and silt fence were installed around the perimeter,
 - Stabilised access/egress (paved) at site compounds with rumble grids clear of dirt / no mud tracking on roads,
 - Stockpile appropriately allocated and labelled. Height of stockpiles is compliant,
 - Site compounds were kept clean and tidy with waste bins emptied and potable water available onsite,
 - Parking was available onsite with no queueing on public roads,
 - Sites were well delineated, and
 - No silt from construction works was accumulated in the road.

5.8 Audit Findings and Recommendations

No non-compliances were identified by the auditor during this independent audit. This audit identified three (3) Opportunities for Improvement (OFI) which are detailed within the table below under Section 5.8.1.

Opportunity for Improvement BDR01-OFI-01 identified in previous audit was not addressed and it has been included in the table below. Refer to the checklist included as [Appendix C](#) for the full details of findings.

5.8.1 Audit Findings and Recommendations

Finding No.	Finding Type	Condition of Approval & Requirement	Audit Finding Details	Recommendation
BRD-02_OFI-01	Opportunity for Improvement	<p>Condition C1</p> <p>A Construction Environmental Management Plan (CEMP), or a Staged CEMP where staging is proposed in accordance with Condition A11, must be prepared by having regard to the Environmental Management Plan Guideline – Guideline for Infrastructure Projects (DPIE, April 2020). The plan must detail how the performance outcomes, commitments and mitigation measures specified in the documents listed in Condition A1 will be implemented and achieved during construction.</p>	The Bi-annual Management Review did not include ISO 9001:2015 Clause 9.3.2.	<p>It is recommended to include the following as per ISO 9001:2015 Clause 9.3.2:</p> <ul style="list-style-type: none"> iii. Status of actions from previous management reviews, iv. Information on the performance and effectiveness of quality management system, including trends in audit results and nonconformities and corrective action.
BRD-02_OFI-02	Opportunity for Improvement	<p>Condition C6</p> <p>The Soil and Water Management Plan must be prepared by a suitably qualified and experienced person and include:</p> <ul style="list-style-type: none"> (a) an Asbestos Management Plan (AMP) prepared in accordance with the National Environment Protection (Assessment of Site Contamination) Measure (NEPM) 2013 	It was not clear that the Soil and Water Management Plan was prepared by a suitably qualified and experienced consultant.	It is recommended to include Douglas Partner in the Plan as the qualified and experienced Consultant

Finding No.	Finding Type	Condition of Approval & Requirement	Audit Finding Details	Recommendation
		<p>(b) an Acid Sulfate Soil Management Plan (ASSMP) developed in accordance with the Acid Sulfate Soils Manual (ASSMAC, 1998); and</p> <p>(c) an Unexpected Contamination Finds Procedure</p>		
BRD-02_OFI-03	Opportunity for Improvement	<p>Condition E15</p> <p>Notwithstanding Condition E14, work may be undertaken between 1:00 pm to 6:00 pm on Saturday.</p>	There is evidence of an OOHW Register however the relevant Permit Number was not included.	It is recommended to include the Permit Number for each OOHW for traceability purposes
<p>BDR-01_OFI-01</p> <p><i>(Audit Finding from previous Audit)</i></p>	Opportunity for Improvement	<p>Condition B2</p> <p>The Communication Strategy must:</p> <p>(e) provide for the formation of issue or location-based community forums that focus on key environmental management issues of concern to the relevant communities</p>	An opportunity for improvement to align or combine the issues of concern to those impacts identified under Section 3 (Table 3). While the Communication Strategy lists potential Consultation Forums (Section 4), there is little detail on the relevant key environmental management issues of concern.	<p>This could be addressed as part of the 'Strategy' column in Table 3. There is also an opportunity for the Compliance Matrix to better reference the Communication Strategy's content e.g., CoA B2 under the matrix makes reference to Section 6 only.</p> <p>The Community Communication Strategy Document No BRD-JHG-CO-0000-STG-13000, Rev 7 dated 8 June 2023 presented to the auditor. Rev 7 of the Strategy includes the six-monthly review by Paul Dalziel. This document is located on the project website.</p> <p>Recommended changes from the previous audit have not been addressed. Two six monthly reviews have been undertaken since the audit and the decision was not to adopt these changes. This element will be included as an opportunity for improvement. Refer to Sections 1, and 5.8.1</p>

Appendix A. Audit Agenda



AUDIT AGENDA

Independent Environmental Audit																	
Project Name:	Botany Rail Duplication																
Proponent	ARTC																
Contractor	John Holland Group (JHG)																
Date of audit:	19 th of June 2023																
Location of audit:	Project Office Building D, 10 Bourke Road, Mascot																
Auditors (AQUAS):	Nilda Soto (Lead Auditor)																
Site contact:	Rachael Labruyere Rachael.Labruyere@jhg.com.au																
Audit criteria:	Conditions of Approval SSI-9714 and in accordance with the Independent Audit Post Approval Requirements (Department of Planning and Environment, 2018)																
Audit scope:	Within 52 weeks of commencement of construction audit (June 2022).																
19 June 2023																	
Time	Agenda Item																
8:30 – 8:45am	Opening Meeting: Confirm scope of the audit, outline the audit process, methodology, timing, access, and resources required.																
8:45 – 10:30am	<p>Site walk</p> <p>Undertake site induction.</p> <p>Sight current site activities and provide focus for the review of environmental aspects, impacts, controls, and relevant records.</p>																
10:30 – 10:45	Coffee / morning tea break																
10:45am – 12:30pm	<p>Review of SSI 9714 Conditions Part A – Administrative Conditions</p> <table border="0"> <tr> <td>✓ General</td> <td>✓ Acoustics Advisor Notification of commencement</td> </tr> <tr> <td>✓ Independent appointments</td> <td>✓ Auditing</td> </tr> <tr> <td>✓ Construction ancillary facilities</td> <td>✓ Incident and non-compliance notification and reporting</td> </tr> <tr> <td>✓ Staging</td> <td>✓ Part E: Written Incident Notification and Reporting Requirements</td> </tr> <tr> <td>✓ Site establishment works</td> <td></td> </tr> <tr> <td>✓ Environmental Representative</td> <td></td> </tr> </table> <p>Review of SSI 9714 Conditions Part B – Community Information & Reporting</p> <table border="0"> <tr> <td>✓ Community Information, Consultation and Involvement</td> <td>✓ Complaints Management System</td> </tr> <tr> <td></td> <td>✓ Provision of electronic information</td> </tr> </table>	✓ General	✓ Acoustics Advisor Notification of commencement	✓ Independent appointments	✓ Auditing	✓ Construction ancillary facilities	✓ Incident and non-compliance notification and reporting	✓ Staging	✓ Part E: Written Incident Notification and Reporting Requirements	✓ Site establishment works		✓ Environmental Representative		✓ Community Information, Consultation and Involvement	✓ Complaints Management System		✓ Provision of electronic information
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✓ Site establishment works																	
✓ Environmental Representative																	
✓ Community Information, Consultation and Involvement	✓ Complaints Management System																
	✓ Provision of electronic information																
12.30 – 1:00pm	Lunch Break																
1:00pm – 3:30pm	<p>Review of SSI 9714 Conditions Part C – Construction Environmental Management</p> <table border="0"> <tr> <td>✓ Construction Environmental Management Plan; CEMP Sub-Plans</td> <td>✓ Construction Monitoring Programs</td> </tr> </table> <p>Review of SSI 9714 Conditions Part E – Key Issue Conditions</p>	✓ Construction Environmental Management Plan; CEMP Sub-Plans	✓ Construction Monitoring Programs														
✓ Construction Environmental Management Plan; CEMP Sub-Plans	✓ Construction Monitoring Programs																



	<ul style="list-style-type: none"> ✓ Air Quality ✓ Biodiversity ✓ Heritage ✓ Noise and Vibration 	<ul style="list-style-type: none"> ✓ Land Use and Property ✓ Soils ✓ Sustainability ✓ Traffic and Transport 	<ul style="list-style-type: none"> ✓ Visual Amenity ✓ Utilities management ✓ Water ✓ Waste
3:30 – 4:00pm	Auditor's briefing: Consolidation of auditor's findings. Afternoon break.		
4:00 – 4:30pm	Closing meeting		

Audit Deliverables	
Draft Report Submission Date	14 days after the last day of audit
Final Report Submission Date	1 week after receipt of comments from JHG

Appendix B. Auditors Approval

Department of Planning and Environment



Mrs Alison Wedgwood
Australian Rail Track Corporation
Level 15, 60 Carrington St
Sydney NSW 2001

31 May 2023

Dear Mrs Wedgwood

**Botany Rail Duplication – SSI-9714
Independent Auditor Nomination**

I refer to your request (SSI-9714-PA-94) for the Secretary's approval of suitably qualified persons to prepare the Independent Audit for the Botany Rail Duplication project (SSI-9714) (the approval).

The Department of Planning and Environment (NSW Planning) has reviewed the nominations and information you have provided and is satisfied that these experts are suitably qualified and experienced. Consequently, in accordance with Condition A35 of the approval, and Section 3.1 of the *Independent Audit Post Approval Requirements (June 2018)*, the Secretary has agreed to the following audit team of Australian Quality Assurance and Superintendence Pty Ltd (AQUAS):

- Ms Nilda Soto (Lead Auditor); and
- Ms Anita Rylah (Alternate Lead Auditor).

Please ensure this correspondence is appended to the Independent Audit Report.

The Independent Audit must be prepared, undertaken and finalised in accordance with the Independent Audit Post Approval Requirements. Failure to meet these requirements will require revision and resubmission.

NSW Planning reserves the right to request an alternate auditor or audit team for future audits. Notwithstanding the agreement for the above listed audit team for this Project, each respective project approval or consent requires a request for the agreement to the auditor or audit team be submitted to the department, for consideration of the Secretary. Each request is reviewed and depending on the complexity of future projects, the suitability of a proposed auditor or audit team will be considered.

Should you wish to discuss the matter further, please contact Michelle Larkin on 02 9860 1402 or compliance@planning.nsw.gov.au

Yours sincerely



Rob Sherry
Team Leader Compliance – Government Projects

As nominee of the Planning Secretary

Appendix C. Independent Audit Declaration Forms

Independent Audit Declaration Form

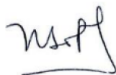
Project Name:	Botany Rail Duplication
Consent Number:	SSI 9714
Description of Project:	Duplication of the Botany Rail Line including: <ul style="list-style-type: none"> • Construction of new track within the existing rail corridor ~3kms • Track realignment and upgrading – relocation of track sideways • Construction of new crossovers • Construction of new rail bridges at Mill Stream, Southern Cross Drive, O’Riordan Street and Robey Street • Construction of Embankment/retaining structures adjacent to Qantas Drive • Ancillary works including bi-directional signalling upgrades, drainage work and protecting/relocating utilities
Project Address:	Building D, 10 Bourke Road, Mascot NSW 2020
Proponent:	ARTC – John Holland
Title of Audit:	Independent Environmental Audit
Date:	12 June 2023

I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:

- i. the audit has been undertaken in accordance with relevant condition(s) of consent and the Independent Audit Post Approval Requirements (Department 2020);
- ii. the findings of the audit are reported truthfully, accurately and completely;
- iii. I have exercised due diligence and professional judgement in conducting the audit;
- iv. I have acted professionally, objectively and in an unbiased manner;
- v. I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the Independent Audit, or by relationship as spouse, partner, sibling, parent, or child;
- vi. I do not have any pecuniary interest in the project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child;
- vii. neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and
- viii. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

- a) Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- b) The *Crimes Act 1900* contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both)

Name of the Auditor:	Nilda Soto
Signature:	
Qualification:	Lead Environmental Auditor
Company:	AQUAS Pty Ltd
Company Address:	Level 7, 116 Miller Street, North Sydney NSW 2060



Independent Audit Declaration Form


Project Name:	Botany Rail Duplication
Consent Number:	SSI 9714
Description of Project:	Duplication of the Botany Rail Line including: <ul style="list-style-type: none"> • Construction of new track within the existing rail corridor ~3kms • Track realignment and upgrading – relocation of track sideways • Construction of new crossovers • Construction of new rail bridges at Mill Stream, Southern Cross Drive, O’Riordan Street and Robey Street • Construction of Embankment/retaining structures adjacent to Qantas Drive • Ancillary works including bi-directional signalling upgrades, drainage work and protecting/relocating utilities
Project Address:	Building D, 10 Bourke Road, Mascot NSW 2020
Proponent:	ARTC – John Holland
Title of Audit:	Independent Environmental Audit
Date:	12 June 2023

I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:

- i. the audit has been undertaken in accordance with relevant condition(s) of consent and the Independent Audit Post Approval Requirements (Department 2020);
- ii. the findings of the audit are reported truthfully, accurately and completely;
- iii. I have exercised due diligence and professional judgement in conducting the audit;
- iv. I have acted professionally, objectively and in an unbiased manner;
- v. I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the Independent Audit, or by relationship as spouse, partner, sibling, parent, or child;
- vi. I do not have any pecuniary interest in the project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child;
- vii. neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and
- viii. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

- a) Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- b) The *Crimes Act 1900* contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both)

Name of the Auditor:	Anita Rylah
Signature:	
Qualification:	Alternate Lead Environmental Auditor
Company:	AQUAS Pty Ltd
Company Address:	Level 7, 116 Miller Street, North Sydney NSW 2060



Appendix D. Audit Attendance

AUDIT ATTENDANCE SHEET



PROJECT: Botany Rail Duplication AUDIT No.: 02
 AUDITEE: JH ARTC LEAD AUDITOR: Nilda Soto
 MEETING LOCATION: 10 Bourke Road, Mascot
 OPENING MEETING DATE AND TIME: 19/6/23 - 8:30 am
 CLOSING MEETING DATE AND TIME: 19/6/23 - 4:15 pm

NAME	ORGANISATION	POSITION	SIGNATURE	
			OPENING MEETING	CLOSING MEETING
Nilda Soto	AQUAS	Lead Auditor	NS	NS
LIAM TAURINS	JHG	Enviro Coordinator	[Signature]	
ERIC ZHANG	JHG	ENVIRO GRADUATE	[Signature]	
David Lamb	ARTC	Environment Lead	[Signature]	[Signature]
Alison Wedgwood	ARTC	Environment Manager	[Signature]	[Signature]
Hamish Russell	JHG	Env Mgr	[Signature]	[Signature]
Loretta Mihalyt	JHG	COMMS MANAGER	[Signature]	
Rachael Labryere	JHG	ENVIRONMENT MANAGER	on Teams	on Teams
Angela Phelan	JHG	QUALITY MANAGER	on Teams	on Teams

Appendix E. Audit Checklist and Audit Findings

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
1	PART	A	ADMINISTRATIVE CONDITIONS			
	A		GENERAL			
1.1	A	A1	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 Botany Rail Duplication Environmental Impact Statement (October 2019) and the <i>Botany Rail Duplication Submissions Report (March 2020)</i> .	Based on the outcome of this audit and the evidence presented, the Proponent and Contractor demonstrated compliance with the requirements of the Environmental Impact Statement (EIS) and Response to Submissions (RtS).		Compliant
1.2	A	A2	The CSSI must be carried out in accordance with all procedures, commitments, preventative actions, performance outcomes and mitigation measures set out in the documents identified in Condition A1 unless otherwise specified in, or required under, this approval.	The audit determined that the CSSI is being carried out in accordance with the requirements of the conditions of approval, the EIS and RtS.		Compliant
1.3	A	A3	In the event of an inconsistency between the documents listed in Condition A1 , 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. <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>	No formal inconsistencies identified during this audit period.		Not Triggered

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
1.4	A	A4	<p>The Proponent must comply with all written requirements or directions of the Planning Secretary, in a timely manner, including in relation to:</p> <ul style="list-style-type: none"> (a) the environmental performance of the CSSI; (b) any document or correspondence in relation to the CSSI (including the provision of such documentation or correspondence); (c) any independent appointment or dismissal made in relation to the CSSI; (d) any notification given to the Planning Secretary under the terms of this approval; (e) any audit of the construction or operation of the CSSI; (f) the terms of this approval and compliance with the terms of this approval (including anything required to be done under this approval); (g) the carrying out of any additional monitoring or mitigation measures; and (h) in respect of ongoing monitoring and management obligations, compliance with an updated or revised version of a guideline, protocol, Australian Standard or policy required to be complied with under this approval. 	<p>Two (2) written directions from the Department received to date. These directions refer to:</p> <ol style="list-style-type: none"> 1. Operational Noise and Vibration Report (ONVR) new datelines and contract properties mitigation measures, Correspondence from Department of Planning and Environment to Project Director dated 21 September 2022 approving extension of the timeframe for the delivery of noise mitigation works under Condition E33. Ref SI-9714-PA-63. Table 1 – Approved Timetable includes: <ol style="list-style-type: none"> a. 11 November 2022 – submission of ONVR with AA verification to DPE b. 11 June 2023 – Final deadline for execution of contracts with owners of properties that require mitigation works and finalisation of relevant supporting documentation c. 11 October 2023 – Final deadline for complete implementation of all mitigation measures except for on-track measures. <p>Correspondence from Department of Planning and Environment to ARTC dated 02 December 2022 noting that the ONVR has been approved accordingly. Ref SSI-9714-PA-74</p> <p>ARTC has verbally committed to monthly monitoring to check progress and compliance. ARTC Monthly Meeting dated 18 May 2023 attending John Holland, ARTC, Acoustic Advisor, DPE and Independent Environmental Representative. Section 3.1 of the Meeting</p>		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				<p>Minutes addresses mitigation measures notification to properties for treatment: sighted</p> <p>2. Appointment of an independent auditor – Letter from Department of Planning and Environment to Mrs Alison Wedgwood Australian Rail Track Corporation – Independent Auditor Nomination for Botany Rail Duplication -SSI-9714 dated 31 May 2023.</p>		
1.5	A	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 Planning Secretary with the document. The evidence must include:</p> <ul style="list-style-type: none"> (a) documentation of the engagement with the party identified in the condition of approval that has occurred before submitting the document for approval; (b) a log of the dates of engagement or attempted engagement with the identified party and a summary of the issues raised by them; (c) documentation of the follow-up with the identified party where engagement has not occurred to confirm that they do not wish to engage or have not attempted to engage after repeated invitations; (d) outline of the issues raised by the identified party and how they have been addressed; and (e) a description of the outstanding issues raised by the identified 	<p>Evidence of consultation are appended to the Construction Environmental Management Plan Rev 8 (CEMP Appendix E- Stakeholder Consultation Details) which includes a log of engagement dates, the identified parties and any related comments and/or issues. Consultation records are identified and attached into the Appendix E of the CEMP Rev 8</p> <p>Consultation undertaken with regards to Site Establishment Management Plan, refer to CoA A16.</p>		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			party and the reasons why they have not been addressed.			
1.6	A	A6	This approval lapses five (5) years after the date on which it is granted, unless works are physically commenced on or before that date.	SSI-9714 approved 28 July 2020 (approval lapses July 2025). Works have commenced onsite prior to approval lapsing (11 February 2022). This is not yet triggered.		Not Triggered
1.7	A	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.	Guidelines, protocols, standards, and policies applicable for the project are defined within the CEMP and subplans.		Compliant
1.8	A	A8	Any document that must be submitted within a timeframe specified in or under the terms of this approval may be submitted within a later timeframe agreed with the Planning Secretary. This condition does not apply to the immediate written notification required in respect of an incident under Condition A37 . The Proponent must provide supporting evidence so that the Secretary can consider the need, environmental impacts and consistency of any request.	Two (2) written directions from the Department received to date. These directions are included in CoA A4		Compliant
	A		INDEPENDENT APPOINTMENTS			

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
1.9	A	A9	All Independent Appointments required by this approval must be consistent / have regard with the Department's guideline <i>Seeking approval from the Department for the appointment of independent experts (DPIE, 2020)</i> .	New Independent Appointments have been approved by DPE as per evidence presented: <ul style="list-style-type: none"> Appointment of an independent auditor – Letter from Department of Planning and Environment to Mrs Alison Wedgwood Australian Rail Track Corporation – Independent Auditor Nomination for Botany Rail Duplication - SSI-9714 dated 31 May 2023 		Compliant
1.10	A	A10	The Planning Secretary may at any time commission an audit of how an Independent Appointment has exercised their functions. The Proponent must: <ol style="list-style-type: none"> facilitate and assist the Planning Secretary in any such audit; and make it a term of their engagement of an Independent Appointment that the Independent Appointment facilitate and assist the Planning Secretary in any such audit. <p>The Planning Secretary may withdraw their approval if an Independent Appointment should they consider the Independent Appointment has not exercised their functions in accordance with this approval.</p>	The Planning Secretary has not made any requests or withdrawals.		Not Triggered
	A		STAGING			

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
1.11	A	A11	The CSSI may be constructed and operated in stages. Where staged construction or operation is proposed, a Staging Report (for either or both construction and operation as the case may be) must be prepared and submitted to the Planning Secretary for information. The Staging Report must be endorsed by the ER and submitted to the Planning Secretary before the commencement of construction of the first of the proposed stages of construction (or if only staged operation is proposed, before the commencement of operation of the first of the proposed stages of operation).	The Botany Rail Duplication project is not being constructed in stages. A Staging Report is not required.		Not Triggered
1.12	A	A12	The Staging Report must: <ul style="list-style-type: none"> (a) if staged construction is proposed, set out how the construction of the whole of the CSSI will be staged, including details of work and other activities to be carried out in each stage and the general timing of when construction of each stage will commence and finish; (b) if staged operation is proposed, set out how the operation of the whole of the CSSI will be staged, including details of work and other activities to be carried out in each stage and the general timing of when operation of each stage will commence and finish (if relevant); (c) specify how compliance with conditions will be achieved across and between each of the stages of the CSSI; and (d) set out 	The Botany Rail Duplication project is not being constructed in stages. A Staging Report is not required.		Not Triggered

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			mechanisms for managing any cumulative impacts arising from the proposed staging.			
1.13	A	A13	The CSSI must be staged in accordance with the Staging Report, as submitted to the Planning Secretary.	The Botany Rail Duplication project is not being constructed in stages. A Staging Report is not required.		Not Triggered
1.14	A	A14	Where staging is proposed, the terms of this approval that apply or are relevant to the works or activities to be carried out in a specific stage must be complied with at the relevant time for that stage.	The Botany Rail Duplication project is not being constructed in stages. A Staging Report is not required.		Not Triggered
	A		CONSTRUCTION ANCILLARY FACILITIES			
1.15	A	A15	<p>Construction Ancillary Facilities Construction ancillary facilities that are not identified by description and location in the documents listed in Condition A1 can only be established and used in each case if:</p> <ul style="list-style-type: none"> (a) they are located within or immediately adjacent to the construction boundary; and (b) they are not located next to a sensitive land use (including where an access road is between the facility and the land use), unless the landowner and occupier have given written acceptance to the carrying out of the relevant facility in the proposed location; and (c) they have no impacts on heritage items (including areas of archaeological sensitivity), threatened species, populations or ecological communities beyond the impacts approved under the terms of this approval; and (d) the establishment and use of the facility can be carried out and managed within the outcomes set out in the terms of this approval, including 	<p>One (1) construction ancillary facility has been established and extended outside of the EIS. This construction ancillary facility named King Street compound is referred in the Site Management Plan (SEMP) Rev 09 dated 16/12/2022. Further revisions of the SEMP refer to further amendment and removal of King Street compound.</p> <p>The Site Establishment Management Plan Rev 9 (SEMP) Appendix C – Consultation Responses described the consultation process including consultation details, comments, and references.</p> <p>The extended area not included in the EIS assessment has been reviewed for compliance with CoA A15 and presented in SEMP Rev 07 dated 11/01/23</p> <p>An overview of the compliance in accordance with condition A15 is presented below:</p>		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>in relation to environmental, social and economic impacts.</p> <p><i>Note: This condition does not preclude the use of other premises which is consistent with an approved use of those premises.</i></p>	<p>King Street laydown area is an expansion along King Street of the compound/laydown area included in the EIS within the rail corridor at this location.</p> <p>b. The location of the facility is immediately adjacent to the construction boundary, connecting with the construction boundary at Gate 19. (Figure 5, SEMP)</p> <p>c. The nearest sensitive land use as detailed in the CNVMP (Appendix B) is located on King Street approximately 240m from the ancillary site. The nearest hotel, travel lodge is located approximately 82m from the ancillary site. Bayside Council have assessed the temporary road closure, the Council has no objections and issued a permit for the temporary closure. (CNVMP, Appendix B)</p> <p>d. There are no listed heritage items located within 100m of the ancillary facility. Site setup of the facility will not involve excavation/breaking ground, with most of the facility located within the road corridor. No tree trimming is required for the set-up or use of the ancillary facility in the additional area. Any tree trimming required within the ARTC corridor will be carried out in accordance with the CEMP and has been previously assessed in the EIS. (CEMP, Appendix C & CSWMP)</p>		

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				e. The facility was established as detailed in this SEMP and managed as per the requirements of the CEMP.		
	A		SITE ESTABLISHMENT			
1.16	A	A16	<p>Site Establishment Management Plan</p> <p>Before establishment of a major construction ancillary facility(ies) (excluding minor construction ancillary facilities established under Condition A18), the Proponent must prepare a Site Establishment Management Plan which outlines the environmental management practices and procedures to be implemented for the establishment of the construction ancillary facility(s). The Site Establishment Management Plan must be prepared in consultation with the relevant council and government authorities. The Plan must be submitted to the ER for approval one (1) month before the establishment of any major construction ancillary facility(ies). The Site Establishment Management Plan must detail the management of the establishment of ancillary facilities and include:</p> <ul style="list-style-type: none"> (a) a description of activities to be undertaken during establishment of the facility (including scheduling and duration of works to be undertaken at the site); (b) figures illustrating the proposed operational site layout; (c) a program for ongoing analysis of the key environmental risks arising from the site 	<p>The Site Establishment Management Plan (Document BRD-JHG-EN-0000-MPL-14003) has been updated since the previous audit and it is now Revision 09 dated 2 May 2023. It is noted that a singular Site Establishment Management Plan has been prepared for all construction ancillary facilities. No major changes were described in the Plan.</p> <p>No major construction ancillary facilities have been submitted during the period after the first audit.</p> <ul style="list-style-type: none"> a. The SEMP Rev 09 describes all activities to be undertaken during the duration of the works including inductive program for compound activities. The Plan also includes operation which will take place in accordance with the CEMP and associated Sub-Plan. SEMP Rev 09 Tables 5 and 6. b. Proposed operational site layout are described in SEMP Rev 09 Section 4.4 Figures 1 to 4 c. Site Establishment Risk Assessment is included in Section 5.1 Table 10. Risk level prior to mitigation is added in the analysis. 		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>establishment activities described in subsection (a) of this condition, including an initial risk assessment undertaken prior to the commencement of site establishment works;</p> <p>(d) details of how the site establishment activities described in subsection (a) of this condition will be carried out to:</p> <p>(i) meet the performance outcomes stated in the documents listed in Condition A1, and</p> <p>(ii) manage the risks identified in the risk analysis undertaken in subsection (c) of this condition; and</p> <p>(e) a program for monitoring the performance outcomes, including a program for construction noise monitoring consistent with the requirements of Condition C9.</p> <p>Nothing in this condition prevents the Proponent from preparing individual Site Establishment Management Plans for each major construction ancillary facility.</p>	<p>d. Management of risks is described in Section 5.1 of the Plan Rev 09 – Table 10. Performance Outcomes as identified in Chapter 24 of the EIS are described in Table 2 of Section 2.3 of the Plan</p> <p>e. Noise levels and vibration monitoring during site establishment are described in Section 8 of the SEMP Rev 09.</p> <p>Appendix C includes the consultations undertaken with updates as aligned to the SEMP changes e.g., Consultation details with Bayside Council and TfNSW within the audit period: 23/11/2022 – Phone call/discussion with Bayside Council (Engineering Officer) regarding temporary closure of a portion of King Street to support a laydown facility. 16/12/2022 – Email received from Bayside Council regarding approval of the temporary closure. 16/12/2022 – Updated SEMP including King Street amendments issued to Council (Executive Engineer) via email for information</p>		
1.17	A	A17	<p>Use of Major Construction Ancillary Facilities</p> <p>The use of a major construction ancillary facility for construction must not commence until the CEMP required by Condition C1, relevant CEMP Sub-plans required by Condition C4 and relevant Construction Monitoring Programs required by Condition C9 have been approved by the ER.</p>	<p>Six monthly Review amendments to the CEMP and CEMP Sub-Plans:</p> <p>Correspondence from Healthy Buildings International (HBI) Pty to ARTC dated 30 November 2022 endorsing the Construction Environmental Management Plan (Doc No. BRD-JHG-PM-0000-MPL-12007) Rev 8 dated 20 September 2022 (the CEMP) including CEMP Sub Plans Construction Noise and Vibration</p>		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				Management Plan (Doc No. BRD-JHG-EN-0000-MPL-13003) Rev 7 30 September 2022 (the CNVMP), Construction Soil and Water Management Plan (Doc No. BRD-JHG-EN-0000-MPL-13004) Rev 9 30 September 2022 (the CSWMP).		
1.18	A	A18	<p>Minor Construction Ancillary Facilities</p> <p>Lunch sheds, office sheds, portable toilet facilities, material storage, parking and the like, can be established and used where they satisfy the following criteria:</p> <ul style="list-style-type: none"> (a) are located within the Construction Boundary; and (b) have been assessed by the ER to have – <ul style="list-style-type: none"> (i) minor amenity impacts to surrounding residences and businesses, after consideration of matters such as compliance with the Interim Construction Noise Guideline (DECC, 2009), traffic and access impacts, dust and odour impacts, and visual (including light spill) impacts, and (ii) minor environmental impact with respect to waste management and flooding, and (iii) no impacts on biodiversity, soil and water, and heritage items beyond those already approved under other terms of this approval. 	<ul style="list-style-type: none"> a. It was verified during the site inspection that site compounds and parking are located within the Construction Boundary. Examples are Botany Road Triangle, General Holmes Drive and Mill Pond site compounds. b. The ER regularly reviews ancillary facilities during inspections e.g., Inspection Report #38 dated 31/05/2023 includes Mill Pond, Botany Triangle and Baxter Street compounds. <p>Minor construction of ancillary facilities satisfies the criteria of this Condition. Example is: Minor Ancillary Approval for General Holmes Drive including environmental considerations such as biodiversity, noise and vibration, traffic and access, dust and odour, visual, site waste, flood management, non-indigenous and indigenous heritage. Document reviewed and approved by the ER dated 20 September 2021: sightedThe Mill Stream Pond compound was included in the site inspection with potable water onsite, erosion and sedimentation controls such as a</p>		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				silt fence around the perimeter and silt curtain installed. Compounds appear to have very little impact visually and with no light spill during construction works.		
1.19	A	A19	Boundary screening Boundary screening must be erected around major construction ancillary facilities that are adjacent to sensitive receivers for the duration of construction of the CSSI unless otherwise agreed with relevant Council, and adjacent residents, business operators or landowners.	Boundary screening was verified during the site inspection. Refer to photos.		Compliant
1.20	A	A20	Boundary screening required under Condition A19 of this approval must reduce visual, noise and air quality impacts on adjacent sensitive receivers.	Boundary screening was verified during the site inspection. Refer to photos.		Compliant
	A		ENVIRONMENTAL REPRESENTATIVE			
1.21	A	A21	Work must not commence until an ER has been approved by the Planning Secretary and engaged by the Proponent.	ARTC submitted letter to the Secretary of the Department of Planning, Industry and Environment on the 2 November 2020 requesting for approval of proposed Independent Environmental Representative including Mr George Kollias, Mr Rui Henriques and Ms. Jo Robertson of Healthy Buildings International Pty Ltd (HBI) to undertake the Independent Environmental Representative (ER) services in		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				accordance with the Condition A22 for the Botany Rail duplication		
1.22	A	A22	The Planning Secretary's approval of an ER must be sought no later than one month before the commencement of work.	Approval received by Department of Planning, Industry and Environment on 9 November 2020 for Mr George Kollias, Mr Rui Henriques and Ms. Jo Robertson of Healthy Buildings International Pty Ltd: sighted Commencement of construction was the 11 February 2022.		Compliant
1.23	A	A23	The proposed ER must be a suitably qualified and experienced person who was not involved in the preparation of the documents listed in Condition A1 , and is independent from the Proponent and companies involved in the design and construction of the CSSI. Skills, qualifications, experience, availability and capacity of the ER must meet the requirements of the <i>Environmental Representative Protocol</i> (Department of Planning and Environment, October 2018). The appointment of the ER must be consistent / have regard with the Department's guideline <i>Seeking approval from the Department for the appointment of independent experts (DPIE, 2020)</i> .	The nominated ERs were not involved in preparing the EIS or any other documents in Condition A1 and are independent from ARTC/JHG. This was verified in the DPE letter dated 9 November 2020 which confirms: <ul style="list-style-type: none"> The curriculum vitae of (ER names) demonstrate that they meet the skills, qualifications, and experience requirements in accordance with the Department's <i>Environmental Representative Protocol October 2018</i>; and (ER names) have confirmed themselves to be independent in relation to the preparation of the EIS, Submissions Report and the construction, design, and delivery of the Botany Rail Duplication SSI 9714. Approval received by Department of Planning, Industry and Environment on 9 November 2020 for Mr George Kollias, Mr 		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				Rui Henriques and Ms. Jo Robertson of Healthy Buildings International Pty Ltd: sighted		
1.24	A	A24	The Proponent may engage more than one ER for the CSSI, in which case the functions to be exercised by an ER under the terms of this approval may be carried out by any ER that is approved by the Planning Secretary for the purposes of the CSSI.	Approval received by Department of Planning, Industry and Environment on 9 November 2020 for Mr George Kollias, Mr Rui Henriques and Ms. Jo Robertson of Healthy Buildings International Pty Ltd: sighted		Compliant
1.25	A	A25	For the duration of work, or as approved by the Planning Secretary, the approved ER must: <ul style="list-style-type: none"> (a) receive and respond to communication from the Planning Secretary in relation to the environmental performance of the CSSI; (b) consider and inform the Planning Secretary on matters specified in the terms of this approval; (c) consider and recommend to the Proponent any improvements that may be made to work practices to avoid or minimise adverse impact to the environment and to the community; (d) approve documents identified in Conditions A16, A17, C1, C4, C9, C13 and E33 after verifying all relevant matters set out in this approval pertaining to those documents have been met and make a written statement to the Planning Secretary to this effect; (e) regularly monitor the implementation of the documents listed in Conditions A16, C1, C4 and C9 to ensure implementation is being carried out in accordance with the document and the terms of this approval; (f) as may be requested by the Planning Secretary, help plan, attend or undertake audits of the 	The following were verified during the audit: <ul style="list-style-type: none"> a. The ER provides monthly reports to DPE via portal and email with requests for communication from DPE to the ER where required. Environmental Representative Site Inspection Report #38 dated 31 May 2023: sighted <ul style="list-style-type: none"> a. The ER attends meetings with DPE as noted in ARTC Meeting Minutes dated 15 June 2023 and 10 May 2023. ER Monthly Report for September 2022 shows DPE meeting on 21/09/22. b. ER Monthly Reports are as submitted to the Planning Secretary e.g., ER Monthly Report for April 2023, ref 201203-ER_DPE_BRD_April 2023 dated 7 May 2023. c. Recommendations are raised as per Monthly ER Reports and during the ER Inspections e.g., ER Site Inspection 		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>development commissioned by the Department including scoping audits, programming audits, briefings and site visits, but not independent environmental audits required under Condition A35 of this approval;</p> <p>(g) as may be requested by the Planning Secretary, assist the Department in the resolution of community complaints;</p> <p>(h) consider the impacts of minor ancillary facilities as required by Condition A18 of this approval; and</p> <p>(i) prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, an Environmental Representative Monthly Report providing the information set out in the Environmental Representative Protocol under the heading "Environmental Representative Monthly Reports." The Environmental Representative Monthly Report must be submitted within seven (7) days following the end of each month for the duration of the ER's engagement for the CSSI.</p>	<p>dated 31 May 2023. Recommendations are included in the Inspection Report under Key Points arising from the ER Inspection and also comments added on each element of the inspection.</p> <p>d. The ER endorses documents as demonstrated in the monthly reports e.g., November 2022 Monthly Report Ref: 201203-ER_DPE_BRD_November 2022 dated 6 December 2022 lists endorsement of CEMP Rev 8 (20/09/22), CNVMP Rev 7 (30/09/22), and CSWMP Rev 9 (30/09/22).</p> <p>e. Implementation is verified during the ER inspections. ER Inspection 25 on 15/11/22: The areas west of GHD have not been included in the SEMP nor have they been approved as an MAF as required by CoA A16 and A18 respectively. Therefore, practice of parking plant and vehicles in those grassed areas must be stopped and the areas stabilised. Following an update to the SEMP, this was reviewed by the ER as per monthly report for December 2022 (Ref: 201203-ER_DPE_BRD_December 2022, dated 13 January 2023), Rev 4 & 5. January 2023 report (Ref: 201203-ER_DPE_BRD_January 2022 dated 7</p>		

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

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				<p>February 2023) shows review of SEMP Rev 6, 7 & 8 and endorsement of SEMP Rev 6 (02/01/23) and Rev 8 (24/01/23). The ER Reports also include a section of Endorsed Document/s i.e., April 2023 ER report included the review of Out of Hours Work applications – predicted noise levels generally below NML (RBL +5dB) except Weekend 43 possession which were conducted during the day.</p> <ul style="list-style-type: none"> f. No involvement in audits to date g. No involvement in complaints to date. The ER reports include a section on complaints e.g., February 2023 report (Ref: 201203-ER_DPE_BRD_February 2023 dated 7 March 2023) lists 8 complaints with a note stating that all complaints were resolved adequately by JH as detailed in the complaints register. h. ER Site Inspection Report #38 dated 31 May 2023 included inspection of but not limited to the Mill Pond access road and compound, Mill pond to Mill stream, Mill Stream bridge including Easter drainage headwall area, Botany triangle SCD bridge, Mill Pond compound at SCD bridge, botany triangle Parking area north of offices, Baxter St compound, corner of O’Riordan St and Joyce Drive, General Holmes Drive to SDM area, 		

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				<p>O’Riordan St bridge, Robey Street bridge, General Holmes Drive access/egress.</p> <p>i. ER Monthly Report for April 2023, ref 201203-ER_DPE_BRD_April 2023 dated 7 May 2023, submitted to DPE as per portal receipt SSI-9714-PA-49.</p>		
1.26	A	A26	<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 A25 , as well as:</p> <ul style="list-style-type: none"> (a) the complaints register to be provided on a weekly basis for any complaints received); and (b) a copy of any assessment carried out by the Proponent of whether proposed work is consistent with the approval (which must be provided to the ER before the commencement of the subject work). 	<p>Complaints continue to be sent through to the ER (and others) when received. Senior Communication and Stakeholder Manager email to ER, AA, ARTC and JHG on the 8 June 2023 notifying complaint received with register attached – ARTC Major Construction Projects Complaints Register June _2023.</p>		Compliant
1.27	A	A27	<p>The Planning Secretary may at any time commission an audit of an ER’s exercise of its functions under Condition A25. The Proponent must:</p> <ul style="list-style-type: none"> (a) facilitate and assist the Planning Secretary in any such audit; and (b) make it a term of their engagement of an ER that the ER facilitate and assist the Planning Secretary in any such audit. <p><i>Note: The Planning Secretary may dismiss the ER should they consider the ER has not exercised their functions in accordance with this approval.</i></p>	<p>No requests have been made by the Planning Secretary to date.</p>		Not Triggered

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
	A		ACOUSTICS ADVISOR			
1.28	A	A28	<p>A suitably qualified and experienced Acoustics Advisor (AA), who is independent of the design and construction personnel, must be nominated by the Proponent and engaged for the duration of work and at least until submission of the operational noise compliance monitoring report required by Condition E34 to the Planning Secretary.</p> <p>The details of the nominated AA must be submitted to the Planning Secretary for approval no later than one (1) month before commencement of work.</p>	<p>Acoustic Studio is engaged as the Acoustics Advisor (AA) on the Botany Rail Duplication project. Consultant approved on the 22 December 2020 prior to the commencement of construction – 11 February 2022.</p> <p>No changes of Acoustics Advisor identified</p>		Compliant
1.29	A	A29	<p>The Proponent must cooperate with the AA by:</p> <ul style="list-style-type: none"> (a) providing access to noise and vibration monitoring activities as they take place; (b) providing for review of noise and vibration plans, assessments, monitoring reports, data and analyses undertaken; and (c) considering any recommendations to improve practices and demonstrating, to the satisfaction of the AA, why any recommendation is not adopted. 	<ul style="list-style-type: none"> a. Access to the site to monitoring Noise and Vibration monitoring provided to AA. Evidence of AA’s site inspections dated 6 May and 31 May 2023 included in the Acoustic Advisor Monthly Report May 2023 provided b. Documents regularly provided to AA as evidenced in AA Monthly Reports. Example is: Acoustic Advisor Monthly Report for the period of May 2023 included the review of Noise assessment for OOH 154 watermain works on General Holmes Drive, Noise assessment for weekend 45 possession and Noise assessment for OOH 161 O’Riordan Street bridge works, including girder cutting 		Compliant

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				<p>c. Recommendations by the AA as per monthly reports section 'Noise and vibration issues, incidents, recommendations. Fortnightly meetings attended by Acoustic Advisor. Evidence of Meeting attended by AA dated 2 May 2023, 3&17 May 2023 and 18 May 2023 provided. There is also evidence of the AA giving advice to improve practices while monitoring the works. Example is email sent by JHG cc ER and ARTC to the AA on the 2 June 2023 providing information and requesting comments on Noise Assessment girder cutting prior to issuing the permit. Email from AA to JHG cc ARTC and ER dated 7 June 2023 addressing topics to discuss and providing general observations/recommendations on Noise Assessment Girder Cutting: sighted</p>		
1.30	A	A30	Any activities generating noise in excess of the 'Noise affected' Noise Management Levels derived from the <i>Interim Construction Noise Guideline</i> must not commence until an AA , nominated under Condition A28 of this approval, has been approved by the Planning Secretary.	<p>DPE approval letter of Acoustic Advisors dated 22 December 2020. No changes of Acoustic Advisors identified</p> <p>Noise assessment for Weekend 43 possession reviewed by Acoustic Advisor. Element addressed in the Acoustic Advisor Monthly Report April 2023: sighted.</p>		Compliant
1.31	A	A31	<p>The approved AA must:</p> <p>(a) receive and respond to communication from the Planning Secretary in relation to the</p>	<p>The following evidence was presented:</p> <p>(a) The Acoustic Advisor provides monthly reports to DPE via portal. Acoustic Advisor Monthly Report Botany Rail Duplication</p>		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>performance of the SSI in relation to noise and vibration;</p> <p>(b) consider and inform the Planning Secretary on matters specified in the terms of this approval relating to noise and vibration;</p> <p>(c) consider and recommend, to the Proponent, improvements that may be made to avoid or minimise adverse noise and vibration impacts;</p> <p>(d) 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 ER or Planning Secretary (if required to be submitted to the ER or Planning Secretary) or before implementation (if not required to be submitted to the ER or Planning Secretary);</p> <p>(e) 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;</p> <p>(f) notify the Planning Secretary of noise and vibration incidents in accordance with Condition A37 of this approval;</p> <p>(g) in conjunction with the ER, the AA must:</p> <p>(i) as may be requested by the Planning Secretary, help plan, attend or undertake audits of noise and vibration management of the CSSI including briefings, and site visits,</p> <p>(ii) in the event that conflict arises between the Proponent and the community in relation to the noise and vibration performance of</p>	<p>Project SSI-9714 DATED April 2023 prepared and authorised by Dave Anderson Acoustic Advisor: sighted</p> <p>(b) Communication with DPE by AA attendance to meetings e.g., 2 May 2023 meeting with DPE, ARTC, John Holland and the ER</p> <p>(c) Monthly reports include meetings attended by AA e.g., Monthly Report April 2023 - 5th and 19th of April 2023 Fortnightly environment meeting with ARTC, John Holland and the ER. 2nd of May Monthly DPE meeting with DPE, ARTC, John Holland and the ER.</p> <p>(d) Noise and vibration issues, incidents, recommendations section included in the Acoustic Advisor Monthly Report. Nothing to address within the period of April 2023.</p> <p>(e) Review of noise and vibration documents as evidenced in monthly reports. Example is Acoustic Advisor Monthly Report April 2023 - Noise assessments for OOH works on Southern Cross Drive and at O’Riordan and Robey Street bridges (OOH permit references: 137 and 138) and Noise assessment for weekend 43 possession were reviewed by the AA accordingly.</p> <p>(f) Inspections undertaken as evidenced in monthly reports. Example is Acoustic Advisor Monthly Report April 2023 which</p>		

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>the CSSI, follow the procedure in the Communication Strategy approved under Condition B2 to attempt to resolve the conflict, and if it cannot be resolved, notify the Planning Secretary,</p> <p>(iii) consider relevant amendments made to the CEMP, relevant sub-plans and noise and vibration monitoring programs that require updating, and are consistent with the terms of this approval and the management plans and monitoring programs approved by the ER and, if satisfied such amendment is necessary, endorse the amendment, (this does not include any modifications to the terms of this approval),</p> <p>(iv) review the noise impacts of minor construction ancillary facilities, and</p> <p>(v) prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, a Monthly Noise and Vibration Report detailing the AA's actions and decisions on matters for which the AA was responsible in the preceding month. The Monthly Noise and Vibration Report must be submitted within seven (7) days following the end of each month for the duration of the AA's engagement for the CSSI, or as otherwise agreed by the Planning Secretary.</p>	<p>includes inspection on the 22 April 2023 at Baxter Road to witness piling works.</p> <p>(g) No audits or noise and vibration incidents required notification to DPE. No complaints requiring direct AA involvement to date.</p> <p>The monthly reports by the AA include a noise and vibration complaints section e.g., April 2023 report dated 7 May 2023 notes one noise and vibration related complaint during April, regarding noise from the Banksia St compound. 6 x noise complaints as listed within the February 2023 report dated 7 March 2023. The AA also attends to DPE meetings, e.g., 17 February 2023, 16 March 2023, 2 May 2023. Documents were reviewed during April 2023: Noise assessments for OOH works on Southern Cross Drive and at O’Riordan and Robey Street bridges (OOH permit references: 137 and 138), and Noise assessment for weekend 43 possession. No issues were raised during the 22 April 2023 piling works at Baxter Road.</p> <p>Documents are regularly reviewed by the AA as demonstrated in the monthly reports. July 2022 report dated 7 August 2022 shows CNVMP Rev 7 as reviewed and endorsed on 05/07/22. August 2022 report dated 7 September 2022 includes Noise Assessment for WE07 possession works</p>		

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				<p>reviewed and endorsed 12/08/22. ONVR reviewed and endorsed 10/11/22 as per November 2022 monthly report, 7 December 2022.</p> <p>Monthly AA reports are dated on or before the 7th of each month. December 2022 report dated 7 January 2023, January 2023 report dated 7 February 2023, February 2023 report dated 7 March 2023.</p>		
	A		NOTIFICATION OF COMMENCEMENT			
1.32	A	A32	The Department must be notified in writing of the dates of commencement of work and operation at least one (1) month before those dates.	No other notification of commencement was required. As previous audit, Notification of commencement as 1 February 2022 was sighted – ARTC letter to the Department of Planning and Environment dated 23 December 2021, ARTC reference # PM-L-DPE-0001. Actual date of construction commenced 11 February 2022, following approval of the CEMP by the Environmental Representative. Email from ARTC to DPE advising the delay as sighted, dated 1 February 2022.	<p>It was noted during the audit that the submission notification for operation is to be actioned at least one month before.</p> <p>ARTC/JHG/Jacobs are working proactively on operational readiness in order to ensure compliance to the requirements of operational stages</p> <p>Evidence of meeting held 31/05/23 has been provided</p>	Not Triggered
1.33	A	A33	If staging of construction or operation is proposed, the Department must be notified in	Construction is not staged.		Not Triggered

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			writing at least one (1) month before the commencement of each stage, of the date of commencement of that stage.			
	A		AUDITING			
1.34	A	A34	No later than one (1) month before the date notified for the commencement of construction (in the pre-construction compliance report), an Independent Audit Program prepared in accordance with the Independent Audit Requirements (<i>Department of Planning and Environment 2018</i>) (<i>the Independent Audit PAR</i>) must be submitted to the Planning Secretary for information.	An Independent Audit Program was prepared and submitted to DPE on 23 December 2021 as verified – portal receipt SSI-9714-PA-32, within the one month timeframe. Commencement of construction notified as 1 February 2022 as per ARTC letter to the DPE, 23 December 2021 with the actual date of construction commencing 11 February 2022 (following ER approval of the CEMP). The program was revised based on the comments received from DPE and resubmitted on the 17 March 2022 as verified – portal receipt SSI-9714-PA-44 and letter from ARTC to DPE ARTC Reference # PM-L-DPE-0001. No comments were noted from DPE as per receipt email 21 March 2022. No changes have occurred to the original program.		Compliant
1.35	A	A35	Independent Audits of the CSSI must be carried out in accordance with: <ul style="list-style-type: none"> (a) the Independent Audit Program submitted to the Department under Condition A34 of this approval; and (b) the requirements for an Independent Audit Methodology and Independent 	Independent Audits are conducted by AQUAS as per IAPAR 2018 Guidelines which is adopted by the Botany Rail Duplication project this secondary audit has been actioned within 52 weeks of the initial audit.		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			Audit Report in the <i>Independent Audit PAR</i> .			
1.36	A	A36	<p>In accordance with the specific requirements in the <i>Independent Audit PAR</i>, the Proponent must:</p> <ul style="list-style-type: none"> (a) review and respond to each Independent Audit Report prepared under Condition A35 of this approval; and (b) make each Independent Audit Report and response to it publicly available and notify the Planning Secretary in writing when this has been done. <p><i>Note: Consistent with the requirements of the Independent Audit PAR, the Planning Secretary may approve a request for ongoing operational audits to be ceased where it has been demonstrated to the Planning Secretary's satisfaction that an audit has demonstrated operational compliance.</i></p>	<p>This is the second Independent Audit carried out on the Botany Rail Duplication project.</p> <p>Based on the evidence from the initial audit:</p> <ul style="list-style-type: none"> (a) A review and response to the initial Independent Audit Report as per email sighted, dated 22 July 2022 as submitted to JHG by AQUAS on the 1 July 2022 (b) The AQUAS Independent Audit Report audit Reference AQ 1315-01, audit dated 09 June 2022 submitted on the 22 July is publicly available on the project website <p>Notification to the Planning Secretary as per portal receipt SSI-9714-PA-60 dated 3 August 2022 including submission of report, response table and advising the Independent Audit Report has been made publicly available on the project website.</p>		Compliant
	A		INCIDENT NOTIFICATION AND REPORTING			
1.37	A	A37	<p>During construction, the Department must be notified in writing 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 time, date, location and nature of the incident. A</p>	No reportable incidents identified to date		Not Triggered

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>description of whether the incident was a result of any actual or potential noncompliance with this approval should be provided within one week of the notification.</p> <p>The requirement to notify the Department under this condition excludes incidents which are required to be notified to the Office of the National Rail Safety Regulator.</p>			
1.38	A	A38	Subsequent notification must be given and reports submitted in accordance with the requirements set out in Appendix A .	No reportable incidents to date.		Not Triggered
2	PART	B	COMMUNITY INFORMATION AND REPORTING			
	B		COMMUNITY INFORMATION, CONSULTATION AND INVOLVEMENT			
2.1	B	B1	<p>Communication Strategy</p> <p>A Communication Strategy must be prepared and implemented which provides mechanisms to facilitate communication about construction and operation (within the first 12 months of operation) with:</p> <ul style="list-style-type: none"> (a) the community (including affected landowners and businesses, and others directly impacted by the CSSI), and (b) the relevant councils and government agencies. 	<p>Loretta Mihaljek JHG is the Senior Communication and Stakeholder Manager for this project.</p> <p>The Community Communication Strategy Document No BRD-JHG-CO-0000-STG-13000, Rev 7 dated 8 June 2023 presented to the auditor. Rev 7 of the Strategy includes the six-monthly review by Paul Dalziel. This document is located on the project website.</p> <p>Five (5) groups of stakeholders are identified in Community Communication Strategy Section 3 Table 2 – Overview of BDR Stakeholders and the responsibilities on the project.</p> <p>Monthly community notifications are being actioned. Records are kept in the Project website</p>		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				<p>under Botany Duplication Community Updates. Notifications include upcoming work, weekend night work, OOHW and work locations.</p> <p>Project Update Reference: BRD34, May 2023. It includes upcoming works for the 1-31 May 2023 but not limited to drainage, cable & signalling installation, retaining & deflection wall, welding, formwork, steelwork, concrete and piling works, also including location of each one of these works. Details of activities to be undertaken during Weekend Nigh work from 5 to 8 May 2023 and Out of Hours Work (night works) are also included in the notification. A descriptive map is added to the notification.</p> <p>Draft Project Update Reference BRD36 corresponding to July 2023 period was presented to the auditor. The update includes upcoming associated work activities from 1-31 July 2023, Out of Hours Work withing the same period, Out of Hours Three Month Schedule, 5-day rail possession shutdown and a descriptive map with all relevant locations: sighted</p> <p>Community updates via website are also recorded. Example is Five-Day bridge construction: a major milestone, published on 15 February 2023.</p>		
2.2	B	B2	<p>The Communication Strategy must:</p> <p>(a) identify people, organisations, councils and agencies to be consulted during the design and work phases;</p>	<p>The Community Communication Strategy Rev 07:</p> <p>a. identifies people, organisations, councils and agencies to be consulted as per Table 2: Overview of BRD Stakeholders and the responsibilities on the project</p>		Compliant

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			<ul style="list-style-type: none"> (b) identify community demographics and approaches to address the needs of LOTE and CALD and vulnerable communities; (c) set out procedures and mechanisms for the regular distribution of accessible information, including to LOTE and CALD and vulnerable communities about or relevant to the CSSI; (d) identify opportunities for education within the community about construction sites; (e) provide for the formation of issue or location-based community forums that focus on key environmental management issues of concern to the relevant communities; (f) set out procedures and mechanisms: <ul style="list-style-type: none"> (i) through which the community can discuss or provide feedback to the Proponent; (ii) through which the Proponent will respond to enquiries or feedback from the community; and (iii) to resolve any issues and mediate any disputes that may arise in relation to Construction of the CSSI, including disputes regarding rectification or compensation 	<ul style="list-style-type: none"> b. Section 6 Working with LOTE and CALD communities includes strategies for effective communication. c. Section 6 Working with LOTE and CALD communities lists community forums, door knocks, face to face meetings, the use of translators and translating communications. It was verified that all community notifications offer a translation and interpretive services number d. Section 4 Consultation Forums identifies opportunities for education within the community as listed in Table 4. Evidence of implementation are: <ul style="list-style-type: none"> o the support to career expos promoting the many roles in the industry including the launch of a website about Working in Rail. Activity dated 5 June 2023 o interaction between Clontarf Foundation Super Training event with Matraville Sports High School to play sport and share breakfast with students on 24 March 2023. The purpose was to grow brand awareness, which leads to students having an interest in the industry and taking up STEM subjects at school. o First Nations students from Matraville High School through the Clontarf foundation were introduced to the Botany Rail Duplication via site visits in order to capture the industry itself, including various roles and pathways in. This activity occurred on the 23 May 2023 		

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				<p>e. Section 4 Consultation Forums identifies opportunities for connect events within the community as listed in Table 4.</p> <p>f. Section 5 Communications and engagement by project phase, Table 8: Communication and engagement tools responsibility matrix. Section 8 Issues Management, Table 10: Common construction-based impacts and issues. Specifically, Section 8.1 Complaints Management System provides a 24-hour community information and complaints line, email address, website and postal address.</p> <p>Evidence of implementation of the Community Communication Strategy are as follows:</p> <ul style="list-style-type: none"> ○ the support to career expos promoting the many roles in the industry including the launch of a website about Working in Rail. Activity dated 5 June 2023 ○ interaction between Clontarf Foundation Super Training event with Matraville Sports High School to play sport and share breakfast with students on 24 March 2023. The purpose was to grow brand awareness, which leads to students having an interest in the industry and taking up STEM subjects at school. ○ First Nations students from Matraville High School through the Clontarf foundation were introduced to the Botany Rail Duplication via site visits in order to capture the industry itself, including various roles and pathways in. This activity occurred on the 23 May 		

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				<p>2023. Photo included in Appendix G of this report.</p> <ul style="list-style-type: none"> ○ Botany Rail Duplication June 2023 Reference No BRD35 includes translation and interpretation services for Bengali, Chinese simplified (Mandarin), Chinese Traditional (Cantonese), Greek, Indonesian and Spanish and phone number 131450/1300559402 ○ KM Civil Service distributes notifications door to door for more than 8000 people. ○ Pop Up event – coffee meeting is being organised around Banksia area. This event will take place in August 2023. ○ Project Fact Sheets for educational purposes are included in the project website 		
2.3	B	B3	<p>The Communication Strategy must be submitted to the Planning Secretary for approval no later than one (1) month before commencement of construction. Construction for the purposes of the CSSI must not commence until the Communication Strategy has been approved by the Planning Secretary.</p>	<p>Since the previous audit, the Community Communication Strategy was reviewed and amended with minor changes only.</p> <p>Initially the Strategy was submitted to and approved by DPE as per approval letter dated 20 January 2022.</p> <p>Commencement of construction notified as 1 February 2022 – ARTC letter to DPE, 23 December 2021, with the actual commencement date 11 February 2022, following the Environmental Representative approval of the CEMP and sub-plans.</p>		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
2.4	B	B4	The Communication Strategy must be made publicly available and implemented for the duration of construction and for a minimum of 12 months following the completion of construction.	The Community Communication Strategy Revision 7 remains publicly available on the Project Website under the Document Library page.		Compliant
	B		COMPLAINTS MANAGEMENT SYSTEM			
2.5	B	B5	A Complaints Management System must be prepared and implemented before the commencement of any works and maintained for the duration of construction and for a minimum for 12 months following completion of construction of the CSSI.	Complaints Management System is being implemented via Consultation Manager. It is a live document which it is being populated as frequently as a complaint is raised. Complaints are responded within 24 hours The Community and Communication Strategy and Complaints Register have been established prior to commencement of construction (11 February 2022).		Compliant
2.6	B	B6	The following information must be available to facilitate community enquiries and manage complaints one (1) month before the commencement of works and for 12 months following the completion of construction: <ul style="list-style-type: none"> (a) a 24- hour telephone number for the registration of complaints and enquiries about the CSSI; (b) a postal address to which written complaints and enquires may be sent; (c) an email address to which electronic complaints and enquiries may be transmitted; (d) a mechanism for CALD community members to make enquiries in LOTE commonly used in the community; and 	The following information was verified during the audit: <ul style="list-style-type: none"> (a) a 24-hour telephone number for information and complaints: 1300 550 402 (b) a project mailing address: Level 3, 63-65 Pirrama Road, Pyrmont, NSW, 2009 (c) email address: botanyduplication@jhg.com.au (d) interpretation service TIS National on 131 450 with a request to call ARTC on 1300 550 402 (e) The Communication Strategy includes an Unresolved Complaint Process (Section 8.2) 		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			(e) a mediation system for complaints unable to be resolved. This information must be made publicly available.	This information is publicly available on the project website, as well as onsite at the project boundary (refer to photos).		
2.7	B	B7	The telephone number, postal address and email address required under Condition B10 of this approval must be made available on site hoarding at each construction site before the commencement of construction. This information must also be provided on the website required under Condition B10 of this approval.	This information is available onsite at the project boundary (refer to photos), as well as the project website.		Compliant
2.8	B	B8	A Complaints Register must be maintained recording information on all complaints received about the CSSI during the carrying out of any works and for a minimum of 12 months following the completion of construction. The Complaints Register must record the: <ul style="list-style-type: none"> (a) number of complaints received; (b) number of people potentially affected by the activities or impacts referenced by a complainant; and (c) nature, location and time of the complaint and means by which the complaint was addressed and whether resolution was reached, with or without mediation. 	A Complaints Register is maintained in excel format - Doc ARTC Major Construction Projects Complaints Register June 2023(005): sighted. <ul style="list-style-type: none"> a. A total of 50 complaints have been recorded to date of which 2 complaints (ID:8082 and ID:8120) are under investigation dated 1st of March 2023 and 7 June 2023 respectively and one (1) complaint ID:8095 dated 13 March 2023 is being actioned by managing additional monitoring in future works. b. The register includes the number of people potentially affected by the activities or impacts referenced by a complainant (column Q). Example is Complaint ID: 8120 – Four people are potentially affected by the activity or impacted c. The register also records the nature of complaint, location and time, description, date of response, if complaint was 		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				<p>avoidable/unavoidable, response details, action/s taken, date actioned / due date for action, status, if requiring mediation. For example, Noise Complaint ID:8072 received on 5 February 2023 in relation to dust and double glazing from Banksia compound at 20/127 Banksia Street Botany. Response was dated same day of complaint and actions undertaken. Mediation was not required.</p> <p>All complaints are treated the same if avoidable or unavoidable. Preventative measures have been put in place with face-to-face contact and community updates. For repeat noise complaints, work will stop until an investigation is undertaken including monitoring. This shall be organised within 24 hours.</p>		
2.9	B	B9	The Complaints Register must be provided to the Planning Secretary upon request, within the timeframe stated in the request.	<p>The Complaints Register is provided as requested by the Department within 7 days of the end of each calendar month. Consequently, ARTC provides a copy of the complaints Register monthly.</p> <p>Post Approval BDR Complaints Register May 2023– Proponent ARTC, Botany Rail Duplication Portal Submission SSI-9714-PA-98: sighted</p> <p>Post Approval BDR Complaints Register April 2023– Proponent ARTC, Botany Rail Duplication Portal Submission SSI-9714-PA-95: sighted</p>		Compliant
	B		PROVISION OF ELECTRONIC INFORMATION			
2.10	B	B10	A website or webpage providing information in relation to the CSSI must be established before	The Botany Rail Duplication Project Website was verified to include the following:		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>commencement of Work and maintained for the duration of construction, and for a minimum of 12 months following the completion of construction.</p> <p>The following up-to-date information (excluding confidential commercial information) must be published before the relevant Work commences and be maintained on the website or dedicated pages including:</p> <ul style="list-style-type: none"> (a) the current implementation status of the CSSI; (b) a copy of the documents listed in Condition A1 of this approval, and any documentation relating to any modifications made to the CSSI or the terms of this approval; (c) a copy of this approval in its original form, a current consolidated copy of this approval (that is, including any approved modifications to its terms), and copies of any approval granted by the Minister to a modification of the terms of this approval; (d) a copy of each statutory approval, licence or permit required and obtained in relation to the CSSI; (e) a copy of each document required to be made publicly available under the terms of this approval must be published within 7 days of the finalisation or approval of the relevant document, unless an alternate timeframe is prescribed by another condition of this approval; and 	<ul style="list-style-type: none"> a. Current status of the CSSI > Overview and Planning pages b. A copy of the Environmental Impact Statement (EIS) and Submissions Report under the Document Library. A link to the EIS is also included in the Overview page. c. A copy of SSI-9714 dated 28 July 2020 as <i>Instrument of Determination BRD</i> under the Document Library page. No modifications to date. d. The project EPL 21678 is under EPL website itself. OOHW Protocol Rev 4 dated 22 August 2022 Document No BRD-JHG-NV-0000-PRT-00001 uploaded to the website respectively e. Copies of the relevant management plans such as Construction Environmental Management Plan (CEMP) and sub-plans, OOHW notifications, community updates are included under the Document Library and Community Updates pages f. The CEMP and sub-plans, SEMP, as required prior to commencement of work, Operational Noise and Vibration Review (ONVR), Communications Strategy, initial Independent Audit Report and response to audit findings are available on the project website. Botany Rail Duplication – Noise and Vibration Assessment Report by Renzo Tonin and Associates Report developed as per EPL variation Condition L3.10 for works to be carried out during railway 		

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			(f) where a condition (s) of this approval requires a document(s) to be prepared before work, construction or operational activity commences, a current copy of the relevant document(s) must be published on the website before the work, construction or operational activity commences.	<p>possession between 14 January 2023 to 16 January 2023: sighted</p> <p>Botany Rail Duplication Operational Noise & Vibration Review by Jacobs dated 7 November 2022 Rev 5 Report NO 210565_botany Rail Duplication_R8.1.docx: sighted</p> <p>Construction Monitoring Report - publicly available in accordance with Condition C14 evidenced.</p>		
3	PART	C	CONSTRUCTION ENVIRONMENTAL MANAGEMENT			
	C		CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN			

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
3.1	C	C1	<p>A Construction Environmental Management Plan (CEMP), or a Staged CEMP where staging is proposed in accordance with Condition A11, must be prepared by having regard to the <i>Environmental Management Plan Guideline – Guideline for Infrastructure Projects</i> (DPIE, April 2020). The plan must detail how the performance outcomes, commitments and mitigation measures specified in the documents listed in Condition A1 will be implemented and achieved during construction.</p>	<p>Construction Environmental Management Plan BRD-JHG-PM-0000-MPL-12007 Rev 8 dated 20 September 2022 has been developed in response to ER comments.</p> <p>Section 1.2 states this is as a purpose of the CEMP.</p> <p>Section 6.4.6 EIS Performance Objectives, includes Table 6-2 outlining the environmental performance objectives at a high-level with reference made to the relevant sub-plans e.g. Noise and Vibration Amenity is addressed by the Construction Noise and Vibration Management Plan which was verified to include the Noise and Vibration Amenity performance outcome, the target (commitment), and how it is addressed (mitigated) as per Table 2.1: Noise and vibration performance outcomes (Construction)</p> <p>Objectives and targets of the CEMP as per Section 6.4.5:</p> <ul style="list-style-type: none"> • Full compliance with statutory approvals.. • No regulatory infringements (PINs or prosecutions) • Address non-conformances and corrective actions within specific timeframes • Disseminate regular Project updates and other information through the Project website and other tools identified in the Community Engagement Strategy • Record and response to complaints within the timeframe specified in the Communication Strategy • Develop and maintain a program of ongoing environmental training. • Capture lessons learnt from environmental incidents to minimise repeat issues 	<p>BRD-02_OFI-01:</p> <p>The Bi-annual Management Review did not include ISO 9001:2015 Clause 9.3.2. It is recommended to include the following as per ISO 9001:2015 Clause 9.3.2:</p> <ul style="list-style-type: none"> i. Status of actions from previous management reviews, ii. Information on the performance and effectiveness of quality management system, including trends in audit results and nonconformities and corrective actions 	Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				<p>Bi-annual Management Review meeting undertaken in May 2023 via Power Point Presentation. The Review included challenges and opportunities, status of environmental objectives and targets, resources, environmental aspects/performance, ER/AA Inspections and actions and opportunities for continual improvement. It is recommended to include the following as per ISO 9001:2015 Clause 9.3.2:</p> <ul style="list-style-type: none"> i. Status of actions from previous management reviews, ii. Information on the performance and effectiveness of quality management system, including trends in audit results and nonconformities and corrective action. 		
3.2	C	C2	<p>The CEMP must provide:</p> <ul style="list-style-type: none"> (a) a description of activities to be undertaken during construction (including the scheduling of construction); (b) details of environmental policies, guidelines and principles to be followed in the construction of the CSSI; (c) a program for ongoing analysis of the key environmental risks arising from the activities described in subsection (a) of this condition, including an initial risk assessment undertaken before the commencement of construction; 	<p>Construction Environmental Management Plan BRD-JHG-PM-0000-MPL-12007 Rev 8, 20 September 2022 includes the following to address CoA C2:</p> <ul style="list-style-type: none"> (a) Section 2.2 Construction activities and scheduling (Table 2-1 Key construction activities), with an Indicative Construction Program (Figure 2-1) (b) Section 4 Environmental Management System, outlined as per Figure 4-1 Primary Sources of Environmental Considerations, and Figure 4-2 Environmental management system structure, which makes reference to ISO 14001, the Environmental Policy, Global Mandatory 		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>(d) details of how the activities described in subsection (a) of this condition will be carried out to:</p> <ul style="list-style-type: none"> (i) meet the performance outcomes stated in the documents listed in Condition A1; and (ii) manage the risks identified in the risk analysis undertaken in subsection (c) of this condition; <p>(e) an inspection program detailing the activities to be inspected and frequency of inspections;</p> <p>(f) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> (i) incidents; and (ii) non-compliances with this approval or statutory requirements; <p>(g) procedures for rectifying any non-compliance with this approval identified during compliance auditing, incident management or at any time during construction;</p> <p>(h) a list of all the CEMP Sub-plans required in respect of construction, as set out in Condition C4. Where staged construction of the CSSI is proposed, the CEMP must also identify which CEMP Sub-plan applies to each of the proposed stages of construction;</p> <p>(i) a description of the roles and environmental responsibilities for relevant positions and their relationship with the ER;</p> <p>(j) for training and induction for employees, including contractors and sub-contractors,</p>	<p>Requirements, Environmental Management Manual, Environment Management System procedures, guidelines, forms and appendices CEMP and sub-plans, TRAs, ITPs, and SEPs</p> <p>(c) Section 6.1 Risks and Opportunities, and Appendix C Environmental Risk Assessment which includes Table C1: Likelihood and Consequence Grades, Table C2: Risk Rating Matrix, and Table C3: Environmental Risk Assessment</p> <p>(d) Section 6.4.6 EIS Performance Objectives, includes Table 6-2 outlining the environmental performance objectives at a high-level with reference made to the relevant sub-plans. Also Section 6.1 Risks and Opportunities, and Appendix C Environmental Risk Assessment</p> <p>(e) Section 11.1 Environmental Inspections which includes weekly environmental inspections (11.1.1), Environmental Representative and ARTC inspections (11.1.2), and daily inspections (11.1.3)</p> <p>(f) Section 10.1.1 Incident Investigation and 11.4 Environmental Non-conformance and Non-compliance</p> <p>(g) Section 11.4 Environmental Non-conformance and Non-compliance which includes 11.4.1 Corrective and Preventative Actions (actioned through a Non-Conformance report), and 11.4.2 Non-Conformance/Non-Compliance Reporting and Close-out using the John Holland Procedure Non-conformance and Corrective Action Procedure JH-MPR-SQE-007).</p> <p>(h) Section 3.1 lists the following plans as part of the CEMP:</p> <ul style="list-style-type: none"> • Construction Transport, Traffic and Access Management Plan • Noise and Vibration Management Plan 		

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			<p>in relation to environmental and compliance obligations under the terms of this approval;</p> <p>(k) for periodic review and update of the CEMP and all associated plans and programs;</p> <p>(l) relevant details from the Site Establishment Management Plan(s); and</p> <p>(m) the Unexpected Heritage Finds Procedure required under Condition E12.</p>	<ul style="list-style-type: none"> • Soil and Water Management Plan. <p>With the following addressed as Environmental Procedures / Environmental Control Plans (ECPs)</p> <ul style="list-style-type: none"> • Flora and Fauna • Non-Aboriginal Heritage • Aboriginal Heritage • Air Quality • Waste and Spoil • Visual Amenity <p>(i) Roles and Responsibilities are described as per Section 7.1 and identify the Senior Project Manager (JH) and Environment and Sustainability Manager as the main contacts with the ER</p> <p>(j) Section 8 Competence, training, and awareness. Imported Material Training via PowerPoint: sighted. Training includes importing material as per EPL 21678 requirements, resource recovery Order and Exemption, Auditor Review and on-site requirements.</p> <p>WE45 Possession Presentation undertaken on the 6th and 7th May 2023. A very comprehensive whiteboard presentation included relevant contacts, possession officers contacts, possession pack and train alteration advice details, PO coordination, worksite protection arrangements maps, interfaces, tracks, signalling, Civils Zones, logistics, parking, safety elements including fatigue, environment, community and reporting.</p> <p>Evidence of environmental toolbox contents for WE45 has also been sighted dated 05 May 2023, Toolbox Meeting Record Number TBM/00036.</p>		

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				<ul style="list-style-type: none"> (k) Section 12.1 Environmental Records and 12.4 Management review which are undertaken bi-annually. The cover page of the CEMP Rev 8 has a Management Review Table. A Bi-annual Management Review meeting was undertaken in May 2023 (l) Section 2.4 Ancillary Facilities and Compounds (m) Included as Appendix F, Unexpected Finds Procedures are separated into Flora and Fauna Management Procedure, Heritage Management Procedure, and an Unexpected Finds Procedure for contamination. 		
3.3	C	C3	<p>The CEMP or a Staged CEMP must be prepared and submitted to the ER for approval no later than one (1) month before the commencement of construction or where construction is staged, no later than one (1) month before the commencement of that stage.</p> <p>Construction must not commence until the ER has approved the CEMP for the relevant stage.</p>	<p>Date of commencement of construction notified as 1 February 2022 as per ARTC letter to DPE dated 23 December 2021, unchanged from previous audit. Construction commenced on the 11 February 2022, following the ER approval of the CEMP. Approval letter by ER, reference 201203 (A) BRD_CEMP 11FEB22 dated 11 February 2022 with endorsement of CEMP and CEMP Sub-Plans. The letter includes reference to CoA A17 and submitted to DPE as per portal receipt SSI-9714-PA-38.</p> <p>Six monthly Review amendments to the CEMP and CEMP Sub-Plans:</p> <p>Correspondence from Healthy Buildings International (HBI) Pty to ARTC dated 30 November 2022 endorsing the Construction Environmental Management Plan (Doc No. BRD-JHG-PM-0000-MPL-12007) Rev 8 dated 20 September 2022 (the CEMP), Construction Noise and Vibration Management Plan (Doc No. BRD-JHG-EN-0000-MPL-13003) Rev 7 30 September 2022 (the CNVMP), Construction Soil and Water</p>		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				Management Plan (Doc No.BRD-JHG-EN-0000-MPL-13004) Rev 9 30 September 2022 (the CSWMP). HBI also noted that ARTC and the Acoustic Advisor (AA) have also reviewed/ commented on the relevant documents and Acoustic Advisor from Acoustic Studio has provided an endorsement of the amendments to the Construction Noise and Vibration Management Plan where these are of a technical nature. The endorsement dated 26 June 2022 includes the OOHV Protocol.		
3.4	C	C4	<p>CEMP Sub-plans must be prepared in consultation with the relevant government agency(ies) and council(s) identified for each CEMP Sub-plan* in Table 3.</p> <p><i>Note: This condition does not preclude the preparation of subplans the proponent has committed to preparing in documents referenced in Condition A1.</i></p>	<p>Consultation included in the CEMP Sub-Plans is as per previous audit:</p> <ul style="list-style-type: none"> a. Construction Transport, Traffic and Access Management Plan BRD-JHG-TM-0000-PLN-00001 Rev 4, 9 February 2022. Includes Consultation Register with Bayside Council as per Appendix 3. b. Construction Noise and Vibration Management Plan BRD-JHG-EN-0000-MPL-13003 Rev 4, 8 February 2022. Includes Consultation undertaken as per Appendix E, e.g. Bayside Council and Ausgrid comments c. Construction Soil and Water Management Plan BRD-JHG-EN-0000-MPL-13004 Rev 4, 9 February 2022. Includes Consultation undertaken as per Appendix F with Bayside Council. 		Compliant
3.5	C	C5	<p>The CEMP Sub-plans must state how:</p> <ul style="list-style-type: none"> (a) the environmental performance outcomes identified in the documents listed in Condition A1 as modified by these conditions will be achieved; 	<p>The CEMP Sub-Plans address CoA C5 as follows:</p> <p>Construction Transport, Traffic and Access Management Plan</p> <ul style="list-style-type: none"> (a) Section 2.6 Targets and environmental performance outcomes (with table addressing specific performance outcomes) 		Compliant

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			<ul style="list-style-type: none"> (b) the mitigation measures identified in the documents listed in Condition A1 as modified by these conditions will be implemented; (c) the relevant terms of this approval will be complied with; and (d) issues requiring management during construction (including cumulative impacts), as identified through ongoing environmental risk analysis, will be managed. 	<ul style="list-style-type: none"> (b) Section 5 Traffic management strategy and planning and 6 Safeguards and mitigation measures (c) Compliance matrix Minister's Conditions of Approval (d) Section 2.9.1 Cumulative traffic impact <p>Noise and Vibration Management Plan</p> <ul style="list-style-type: none"> (a) Section 2.3 Targets and environmental performance outcomes (with table addressing specific performance outcomes) and Section 5 with specific performance criteria. (b) Section 7 Environmental control measures, with specific measures as per 7.1 (Revised Environmental Mitigation Measures REMMs), Section 7.4 for mitigation of out-of-hours work and Section 7.5 Additional noise and vibration management measures (c) Compliance matrix Minister's Conditions of Approval and Section 8 Compliance Management (d) Section 3.4.3 Cumulative noise impact, Section 6 Environmental aspects and impacts. 		
3.6	C	C6	<p>The Soil and Water Management Plan must be prepared by a suitably qualified and experienced person and include:</p> <ul style="list-style-type: none"> (a) an Asbestos Management Plan (AMP) prepared in accordance with the <i>National Environment Protection (Assessment of Site Contamination) Measure (NEPM) 2013</i> (b) an Acid Sulfate Soil Management Plan (ASSMP) developed in accordance with the <i>Acid Sulfate Soils Manual (ASSMAC, 1998)</i>; and 	<p>The Soil and Water Management Plan BRD-JHG-EN-0000-MPL-13004 Rev 7, 30 September 2022 includes:</p> <ul style="list-style-type: none"> (a) an Asbestos Management Plan (AMP), included as Appendix B and prepared by Douglas Partners as 207996.00.R.007.Rev2, 22 November 2021 (b) an Acid Sulfate Soil Management Plan (ASSMP), included as Appendix A and prepared by Douglas Partners as 207996.00.R.008.Rev0 – ASSMP, 1 November 2021 	<p>BRD-02_OFI-02:</p> <p>It was not clear that the Soil and Water Management Plan was prepared by a suitably qualified and experienced consultant. It is recommended to include Douglas Partner in the Plan as the</p>	Compliant

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			(c) an Unexpected Contamination Finds Procedure.	<p>(c) an Unexpected Contamination Finds Procedure is included as Appendix C</p> <p>Progressive Erosion and Sediment Control Plans are prepared by ESC specialist. PESCP for Mill Pond Access and Abutment Works Version 8 dated 9 May 2022: sighted</p> <p>It is recommended to include Douglas Partner in the Plan as the qualified and experience Consultant</p>	qualified and experienced Consultant.	
3.7	C	C7	Details of all information requested by an agency to be included in a CEMP Sub-plan as a result of consultation, including copies of all correspondence from those agencies, must be provided with the relevant CEMP Sub-Plan.	<p>CEMP Sub-Plans have been developed as follows:</p> <ul style="list-style-type: none"> (a) Construction Transport, Traffic and Access Management Plan BRD-JHG-TM-0000-PLN-00001 Rev 4, 9 February 2022. Includes Consultation Register with Bayside Council as per Appendix 3. (b) Noise and Vibration Management Plan BRD-JHG-EN-0000-MPL-13003 Rev 7, 30 September 2022. Includes Consultation undertaken as per Appendix E, e.g. Bayside Council and Ausgrid comments (c) Soil and Water Management Plan BRD-JHG-EN-0000-MPL-13004 Rev 9, 30 September 2022. Includes original Consultation undertaken as per original plan version as per Appendix F with Bayside Council. <p>Copies of the correspondence is appended to the main CEMP document (Appendix E) with a list/register included within the sub-plans.</p>		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
3.8	C	C8	Construction must not commence until the CEMP and all CEMP Sub-plans have been approved by the ER and must be implemented for the duration of construction. Where construction of the CSSI is staged, construction of a stage must not commence until the CEMP and sub-plans for that stage have been approved by the ER .	No changes identified. As previous audit, Approval letter by ER, reference 201203(A)_CEMP 11FEB22 DPIE dated 11 February 2022 with endorsement of CEMP and CEMP Sub-Plans. The letter includes reference to CoA A17 and submitted to DPE as per portal receipt SSI-9714-PA-38.		Not Triggered
	C		CONSTRUCTION MONITORING PROGRAMS			
3.9	C	C9	The following Construction Monitoring Programs set out below must be prepared and implemented to enable comparison of the actual construction performance against the predicted performance. The Construction Monitoring Programs must be prepared in consultation with the relevant government agencies and councils as identified for each Construction Monitoring Program.	A Construction Noise and Vibration Monitoring Program has been included as Appendix A, as part of the Noise and Vibration Management Plan BRD-JHG-EN-0000-MPL-13003 Rev 9, 30 September 2022. Appendix E details the consultation with Bayside Council, Ausgrid, Quenos and APA. Environmental Monitoring Report Rev 01 dated 05 June 2023, report period between August 2022 to February 2023 submitted to JHG/AA/ARTC/HBI from E Janda JHG on the 14 June 2023 via Aconex Transmittal JH-TRASMIT-001039 for information: sighted Consultation was undertaken as per 16 December 2021 Workshop. Invitation to the workshop evidenced as part of the CEMP Appendix E – BRD CEMP Sub-Plan (CNVMP) Consultation Workshop Microsoft teams invite with attendees including Sydney Water, APA, and Jemena.		Compliant
3.10	C	C10	Each Construction Monitoring Program must provide:	The Construction Noise and Vibration Monitoring Program provides the following:		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<ul style="list-style-type: none"> (a) details of baseline data available; (b) details of baseline data to be obtained and when; (c) details of all monitoring of the project to be undertaken; (d) the parameters of the project to be monitored; (e) the frequency of monitoring to be undertaken; (f) the location of monitoring; (g) procedure for the timing and frequency reporting of monitoring and analysis against relevant criteria, including details of the timing and frequency for reporting results to the ER, the Planning Secretary and relevant government agencies; (h) details of the methods that will be used to analyse the monitoring data; (i) procedures to identify and implement additional mitigation measures where results of monitoring identify unexpected impact; and (j) any consultation to be undertaken in relation to the monitoring programs. 	<ul style="list-style-type: none"> (a) Baseline data as per Section 4.2 Ambient noise, of the Noise and Vibration Management Plan (Table 4.3: Summary of baseline noise monitoring data from EIS) (b) As per A5.1 Activities based monitoring (c) Monitoring of the project as per Sections A5.1 and A5.2 Plant and equipment noise audits (d) Parameters of the project to be monitored as defined under Sections A5.1, A5.2 and A5.6 (e) Frequency of monitoring defined as per A5.4 Monitoring frequency and method (Table A.2: Monitoring frequency and method) (f) Location of monitoring identified under A5.6 Noise Monitoring Locations (Table A.4: Nominated verification monitoring locations) (g) Procedure for the timing and frequency reporting of monitoring and analysis against relevant criteria as per Section A7.6 Reporting (Table A.3: Construction Noise and Vibration Reporting Requirements). It is noted that Noise and Vibration Monitoring Reports are to be submitted every 6 months within 60 days of the end of the reporting period (h) Methods that will be used to analyse the monitoring data Section 8.3 and A.7.4 of the Noise and Vibration Management Plan. (i) Sections 6.2.2, A.5.5 and A.7.4 has procedures to identify and implement additional mitigation measures where results of monitoring identify unexpected impact has been considered as part of the Construction Noise and Vibration Impact Statement (CNVIS) (j) Consultation included under Appendix E of the Noise and Vibration Management Plan. 		
3.11	C	C11	The Construction Monitoring Programs must be submitted to the ER for approval at least	No updates within this audit period.		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			one (1) month before the commencement of construction.	The Construction Monitoring Program for Noise and Vibration was submitted to the ER as per Aconex correspondence as sighted Rev 4, 10 February 2022 from JHG, prior to the commencement of construction date (11 February 2022).		
3.12	C	C12	Construction, which is required to be monitored under the Construction Monitoring Programs , must not commence until the Construction Monitoring Programs have been approved by the ER, and all relevant baseline data for the specific construction activity has been collected.	Construction is being monitored as per the Construction Noise and Vibration Monitoring Program Approval letter by ER, reference 201203 (A) BRD_CEMP 11FEB22 dated 11 February 2022 with endorsement of the Construction Noise and Vibration Management Plan which contains the Construction Monitoring Program – Noise and Vibration.		Compliant
3.13	C	C13	The Construction Monitoring Programs , as approved by the ER must be implemented for the duration of construction and for any longer period set out in the monitoring program or specified by the Planning Secretary, whichever is the greater.	<p>The Construction Noise and Vibration Monitoring Program has been developed as part of the Construction Noise and vibration Management Plan (CNVMP) as per Condition C9. The program monitors potential noise and vibration impacts during construction on the project. The Noise and Vibration Monitoring Report Rev 1 includes the details of the environmental monitoring undertaken during the reporting period 12 August 2022 to 12 February 2023: sighted</p> <p>Noise monitoring records presented as evidence of implementation of the Construction Noise and Vibration Monitoring Program as follows:</p> <ul style="list-style-type: none"> WE29 Noise Recordings in line with Monitoring Report - Noise Monitoring Field Form dated 14 January 2023 at 125 Banksia Street for track cutting works using excavator: sighted 		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				<ul style="list-style-type: none"> Noise Assessment Girder Cutting during saw with the subcontractor's correspondence from Rachel Labruyere JHG to AA, cc to ER, ARTC dated 2 June 2023 including related EPA Out of Hours Works Approval Form dated 05 June 2023 area O'Riordan Street Bridge Rev 00 approved by JHG Senior Site Engineer, Project Director, Environment Manager and Community and Stakeholder Manager. Correspondence Noise Assessment Girder Cutting approval from AA to JHG dated 5 June 2023: sighted Environmental Monitoring Report – August 2022 to February 2023 submitted to JHG/ AA/ARTC/HBI from E Janda JHG on the 14 June 2023 via Aconex Transmittal JH-TRASMIT-001039 for information: sighted 		
3.14	C	C14	<p>The results of the Construction Monitoring Programs must be made publicly available in the form of a Construction Monitoring Report at the frequency identified in the relevant Construction Monitoring Program.</p> <p><i>Note: Where a relevant CEMP Sub-Plan exists, the relevant Construction Monitoring Program may be incorporated into that CEMP Sub-Plan.</i></p>	<p>The Construction Monitoring Program Report frequency is defined as 6 monthly as per Section A7.6 of the Construction Monitoring Program.</p> <p>Environmental Monitoring Report – August 2022 to February 2023 submitted to JHG/ AA/ARTC/HBI from E Janda JHG on the 14 June 2023 via Aconex Transmittal JH-TRASMIT-001039 for information: sighted</p> <p>The auditor has verified that the results from this report are publicly available on the project website.</p>		Complaint

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
3.15	C	C15	<p>The Noise and Vibration Monitoring Program must include:</p> <ul style="list-style-type: none"> (a) noise and vibration monitoring at agreed representative locations in consultation with the AA adjacent to the construction to confirm construction noise and vibration levels; and (b) for the purposes of (a), noise monitoring during the day, evening and night-time periods must be undertaken within the first month of construction and must cover the range of activities being undertaken at the sites. 	<p>The August 2022 – February 2023 Environmental Monitoring Report Rev 01 dated 05 June 2023 Doc No BRD-JHG-EM-0000-MPL-13008 demonstrates the following:</p> <ul style="list-style-type: none"> ○ During the reporting period, measured noise levels associated with the construction works were found. Section 3 of the Report ○ Dominant noise sources measured during the monitoring periods included traffic, train, and airport noise, which contributed to overall measured LAeq levels above predictions during measurement periods. Where feasible, noise contributions from the works were based on periods where construction noise was discernible from the ambient noise levels to determine compliance with predictions as detailed in Tables N1 to N6. ○ Mitigation measures which have been implemented, associated with the BRD works include: <ul style="list-style-type: none"> * Working with nearby and sensitive receptors to schedule/carry out works during less sensitive periods * Use of noise blankets and barriers for localised noisy works * Sequencing works to avoid cumulative noise impacts * Choosing less noisy equipment or construction methods (where available and feasible) 		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				<ul style="list-style-type: none"> ○ Tables N1 to N6 of the Report for the period August 2022 to February 2023, include Monitoring Data, monitoring location, NCA, Works -Week ending, Activity, monitoring type, time day/night, Measured LAeq dB(A), Predicted Noise Levels dB(A), Compliance Assessment and Performance requirements – Community notifications. ○ Table NA1 Noise Audit Monitoring Results are shown including location, plant/activity, calculated Overall Sound Power Level (dBA), Calculated LMax sound Power Level, measured LAeq(dBA) and comments. ○ Section 3.2 of the Report – Plant and equipment vibration trials noted that Plant/ equipment vibration audits were carried out for vibration intensive plant and equipment to ensure compliance with the vibration levels for construction equipment assumed in the vibration model. The audits consisted of equipment monitoring prior to delivery to site as well as spot checks during construction. Audits have been carried out as required on a case-by-case basis, such as changes in methodology or in response to a plant/equipment specific noise related complaint or during noise and vibration assessment validation monitoring. Results of the vibration audits are presented in Table VA1. 		

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				<ul style="list-style-type: none"> Vibration monitoring was undertaken Section 3.4 of the report. Human comfort levels were found to be generally below the vibration dose value goals, operational times were reduced in the vicinity of the properties to reduce the impacts as well as changing to less vibration intensive modes on equipment such as static or low vibration mode on the vibratory roller. 		
4	PAR T	D	OPERATIONAL ENVIRONMENTAL MANAGEMENT			
	D		OPERATIONAL ENVIRONMENTAL MANAGEMENT – ACTIVE NOISE MITIGATION SYSTEM			
4.1	D	D1	Conditions D2 and D3 apply where an active noise mitigation system such as a track lubrication system is installed to mitigate operational rail noise.	The Botany Rail Duplication project is under construction. This condition is not yet triggered.		Not Triggered
4.2	D	D2	<p>A Validation Program must be developed to validate the performance of the active noise mitigation system in meeting the noise level reductions (L_{max}) anticipated in the Operational Noise and Vibration Review. The program must:</p> <ul style="list-style-type: none"> (a) facilitate the ongoing review of the effectiveness of the active noise mitigation; (b) include regular noise monitoring at a location where L_{max} is expected to be elevated; (c) demonstrate how data collected translates to noise impacts at affected residences 	The Botany Rail Duplication project is under construction. This condition is not yet triggered.	<p>ARTC presented evidence that demonstrates requirements of condition D2 prior to the commencement of operation are being addressed in separate Operational Readiness Catch Up Meetings – MCP edition dated 25 May 2023</p> <p>Lubricator Locations Update Meeting conducted on the</p>	Not Triggered

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			<p>using the methodology set out in the Rail Infrastructure Noise Guideline; and</p> <p>(d) include a monitoring, recording and reporting process that will facilitate measuring of compliance and reporting.</p> <p>The validation program must be reviewed and endorsed by the AA as being able to meet the above requirements and be submitted to the Planning Secretary before the commencement of operation. The validation program must be able to demonstrate that the system is achieving the relevant noise reductions. The validation program may cease after 5 years with the approval of the Planning Secretary. Any request to cease monitoring must demonstrate that the active mitigation system and monitoring system has been maintained and is effective.</p> <p>Notwithstanding, the performance of the active monitoring system must be submitted to the Planning Secretary on an annual basis and within three months of the end of each year. Regardless, the results of monitoring must be made available to the Planning Secretary on request.</p>		<p>31/05/23 with the participation of ARTC, JHG, Jacobs: sighted</p> <p>Friction Management Meeting conducted 30 March 2023 in conjunction with ARTC/JHG and Acoustic Studio</p>	
4.3	D	D3	<p>Where monitoring shows that the active noise mitigation system is not effective in achieving the noise level reductions in the Operational Noise and Vibration Review, the Proponent must implement further practicable measures</p>	<p>The Botany Rail Duplication project is under construction. This condition is not yet triggered.</p>	<p>The Proponent, ARTC and Consultants are working progressively towards the Operational Stages of the project.</p>	<p>Not Triggered</p>

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			to ensure the noise level reductions are achieved.		There is evidence of meetings presented to the auditor.	
4.4	D	D4	Operational Environmental Management Measures to manage the operation and maintenance of the CSSI must be addressed in the Proponent's Environmental Management System or equivalent as agreed with the Planning Secretary.	The Botany Rail Duplication project is under construction. This condition is not yet triggered.	The Proponent, ARTC and Consultants are working progressively towards the Operational Stages of the project. There is evidence of meetings presented to the auditor.	Not Triggered
5	PART	E	KEY ISSUE CONDITIONS			
	E		AIR QUALITY			
5.1	E	E1	In addition to the performance outcomes, commitments and mitigation measures specified in the documents listed in Condition A1 , all reasonably practicable measures must be implemented to minimise the emission of dust and other air pollutants during construction of the CSSI.	No dust gauges required on the Botany Rail Duplication project. Air Quality monitoring based on visual inspections Mill Pond water cart available for dust management. No signs of dust generated from Botany Triangle, General Holmes Drive and Mill Pond compounds during inspection. Inspection INS-0025018 via Soteria JHG dated 31 May 2023 corresponding to a general inspection with ER and AA at GHD, Triangle Baxter compound: sighted. Inspection listed air quality elements showing compliance such as Non obvious signs of excessive dust deposition outside construction areas(s), no observed dust deposition on vegetation or sensitive receptor areas, no dust deposition exceedances		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating										
				(>4mm/m2/month) identified during dust monitoring, exposed areas of earth, including stockpiles are appropriately managed to prevent airborne dust, no plant/equipment onsite generating excessive visual emissions, vehicles not left idling and are switched off when not in use, and plant and equipment are regularly checked/maintained.												
	E		BIODIVERSITY													
5.2	E	E2	Any work associated with the CSSI must limit the clearing of native vegetation to the greatest extent practicable.	No further updates in relation this Condition. Credit retirement evidenced in audit undertaken 9 June 2022		Compliant										
5.3	E	E3	Impacts to plant community types must not exceed those identified in the documents listed in Condition A1	No exceedances identified during the period.		Compliant										
5.4	E	E4	Before any impact on the plant community types or species that are required to be offset, the Proponent must retire the credits specified in Table 4 and in accordance with the offset rules of the <i>Biodiversity Conservation Act 2016</i> . Table 4: Ecosystem Credit Requirements	No changes identified during the period. Credits retired as evidenced audit 9 June 2022		Compliant										
			<table border="1"> <thead> <tr> <th>PCT ID and Name</th> <th>Vegetation Formation</th> <th>Number of Credits</th> </tr> </thead> <tbody> <tr> <td>PCT 1071 <i>Phragmites australis</i> and <i>Typha orientalis</i> coastal freshwater wetlands of the Sydney Basin Bioregion</td> <td>Freshwater Wetlands on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions</td> <td>3</td> </tr> <tr> <td>PCT 1234 Swamp Oak swamp forest fringing estuaries, Sydney Basin Bioregion and South East Corner Bioregion</td> <td>Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions</td> <td>8</td> </tr> </tbody> </table>	PCT ID and Name	Vegetation Formation	Number of Credits	PCT 1071 <i>Phragmites australis</i> and <i>Typha orientalis</i> coastal freshwater wetlands of the Sydney Basin Bioregion	Freshwater Wetlands on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	3	PCT 1234 Swamp Oak swamp forest fringing estuaries, Sydney Basin Bioregion and South East Corner Bioregion	Swamp Oak Floodplain Forest of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions	8				
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<small>Note: Credits have been calculated using the Biodiversity Assessment Method</small>																

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5.5	E	E5	The Proponent must submit to the Planning Secretary for information a copy of the Credit Retirement Report for the retirement of the biodiversity offsets specified in Table 4 within one (1) month of receiving the report.	No updates identified. The credit retirement evidenced on audit undertaken 9 June 2022.		Compliant
5.6	E	E6	<p>Tree Removal and Replacement Planting</p> <p>The CSSI must deliver a net increase in trees. Replacement trees must target an increase in tree canopy and aim to enhance the relevant council's position in respect of the Sydney Green Grid. This condition does not apply to trees that are subject to a biodiversity offset.</p>	<p>Consultation process has started with Bayside Council. The Council has rejected replacement of trees as noted in email dated 18 May 2023. The Council Committee is trying to find locations for trees in Mascot/Botany areas under the Commonwealth 5 Million Trees Program. Council advised JHG to engage an Ecologist to investigate the suitability of placing trees along Foreshore Road between General Holmes Drive and the Port Botany Boat Ramp Facility. Tree selection would also require the approval of Sydney Airport (SACL) due to the proximity of Foreshore Road to the Airport.</p> <p>ARTC Communication team are currently preparing a response to the Council as they have subsequently requested that the project engage an ecologist to conduct an ecological survey of the whole Mascot and Botany areas for available space to plant trees.</p>		Not Triggered
5.7	E	E7	<p>Replacement trees must:</p> <ul style="list-style-type: none"> (a) be located on public land and prioritised within 500 metres of the Construction Boundary in consultation with the relevant council and SACL; (b) comply with the <i>National Airports Safeguarding Framework Guideline C: Managing the Risk of Wildlife Strikes in the Vicinity of Airports</i>; 	<p>No replacement trees to date. Refer to Condition E6.</p> <p>There is in place a Tree Tracking Register. Tree Tracking Register contains Removal zones, number of trees removed, species identified, canopy size, notes, ecology risk and potential for habitats/nesting site/fauna: sighted</p>		Not Triggered

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			<p>(c) be provided no later than six (6) months following the commencement of operation;</p> <p>(d) have a pot size consistent with the relevant council's plans / programs / strategies for vegetation management, street planting, or open space landscaping, or as agreed by the relevant council(s). In areas not subject to council plans / programs / strategies, pot sizes must be informed through consultation with the relevant council(s) and Sydney Airport.</p>			
	E		FLOODING			
5.8	E	E8	Measures identified in in the documents listed in Condition A1 to not worsen or improve flood characteristics must be incorporated into the detailed design of the CSSI.	<p>Measures to improve flood characteristics have been incorporated in the Flood Model which is part of the design process.</p> <p>Design Report Rev 3 dated 18 July 2022, Package No 1402 corresponding to the Drainage Zones 4&5 (General Holmes Drive to Cooks Loop) Design Stage 3 Document No BRD-JAC-DR-1402-DRT-0001: sighted. Section 2.11 of the Report - Specialist engineering of refers to the Flooding Report BRD-JAC-FL-0000-REP-0001_3. Attachment 2 of the report refers to the Requirements Analysis and Allocation Traceability Matrix (RAATM) which monitor compliance against technical requirements: sighted</p>		Compliant
5.9	E	E9	Flood information developed during detailed design, such as flood reports, models and geographic information system outputs, and work as executed information from a registered surveyor certifying finished ground levels, the dimensions and finished levels of all	The requirement under CoA E9 is to notify in writing of the availability of the information no later than one (1) month following the completion of construction.		Not Triggered

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			structures constructed as part of the CSSI within flood prone land, must be provided to the relevant council, EESG and the SES in order to assist in preparing relevant documents and to reflect changes in flood behaviour as a result of the CSSI. The council, EESG and the SES must be notified in writing that the information is available no later than one (1) month following the completion of construction. Information requested by the relevant Council, EESG or the SES must be provided no later than six (6) months following the completion of construction or within another timeframe agreed with the relevant council, EESG and the SES.			
	E		HERITAGE			
5.10	E	E10	Following completion of all work described in the documents listed in Condition A1 in relation to heritage items, except for the archaeological mitigation programs proposed, a Heritage Report including the details of any archival recording, must be prepared in accordance with guidelines and standards published by the Heritage Council of NSW and EESG.	The Botany Rail Duplication Project is under construction. This is not yet triggered. Archival Recording is in progress. Heritage specialist AMBS is preparing the report.		Not Triggered
5.11	E	E11	The Heritage Report must be submitted to the Planning Secretary, the Heritage Council of NSW and EESG for information no later than 12	The Botany Rail Duplication Project is under construction. This is not yet triggered. Heritage Report and interpretation process are in progress	Note: The Proponent is to submit the Heritage Report to the parties within the timeframe as	Not Triggered

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			months after the completion of the work referred to in Condition E10 .		described in condition E11.	
5.12	E	E12	<p>An Unexpected Heritage Finds Procedure must be prepared to manage unexpected heritage finds in accordance with guidelines and standards published by the Heritage Council of NSW or EESG Human Remains would classify as an unexpected find and should be managed as part of this protocol.</p> <p><i>Note: Human remains that are found unexpectedly during the carrying out of works may be under the jurisdiction of the NSW State Coroner and must be reported to the NSW Police immediately.</i></p>	<p>Unexpected Heritage Finds Procedures has been prepared and included as Appendix F of the CEMP Rev 8 dated 20 September 2022. The Heritage Management Procedure dated 16 November 2021 addresses both heritage finds and human remains.</p> <p>No unexpected finds to date.</p>		Compliant
5.13	E	E13	The Unexpected Heritage Finds Procedure must be implemented for the duration of construction work.	No unexpected finds to date.		Not Triggered
	E		NOISE AND VIBRATION			
5.14	E	E14	<p>Construction Hours</p> <p>Work must only be undertaken during the following standard construction hours:</p> <ul style="list-style-type: none"> (a) 7:00am to 6:00pm Mondays to Fridays, inclusive; (b) 8:00am to 1:00pm Saturdays; and (c) at no time on Sundays or public holidays. 	<p>Construction works are being undertaken during Construction hours established under this Condition and outlined under Section 5.1 of the Noise and Vibration Management Plan:</p> <ul style="list-style-type: none"> (a) 7:00am to 6:00pm Mondays to Fridays, inclusive. (b) 8:00am to 1:00pm Saturdays; and (c) at no time on Sundays or public holidays. <p>Construction works out of hours are managed under OOHW procedure.</p>		Compliant

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				EPL requirements are consistent with this Condition E14		
5.15	E	E15	Notwithstanding Condition E14 , work may be undertaken between 1:00 pm to 6:00 pm on Saturday.	<p>All OOHW are appropriately assessed, commented, and approved by ARTC/AA/ER as required prior commencement of the works. For high impact works, a noise assessment is to be included in the OOHW application. OOHW are registered in the OOHW Register</p> <p>OOHW Register which tracks the location of each OOH works, date, duration, working hours, ROL hours if applicable, Engineer in Charge, Supervisor, Environmental Manager/ Representative, equipment to be used during the works, equipment make/model, provision of a map, date information provided, notification required, Permit Number and notes: sighted. It is recommended to include the Permit Number in each OOHW for traceability purposes</p>	BRD-02-OFI-03: There is evidence of an OOHW Register which tracks the location of each OOH works, date, duration, working hours, ROL hours if applicable, Engineer in Charge, Supervisor, Environmental Manager/ Representative, equipment to be used during the works, equipment make/model, provision of a map, date information provided, notification required, Permit Number and notes. It is recommended to include the Permit Number in each OOHW for traceability purposes	Compliant
5.16	E	E16	<p>Variation to Work Hours</p> <p>Notwithstanding Conditions E14, E15 and E19 work may be undertaken outside the hours specified in the following circumstances:</p> <p>(a) for the delivery of materials required by the NSW Police Force or other authority for safety reasons; or</p>	<p>OOHW Protocol Rev 4 dated 22 August 2022 Document No BRD-JHG-NV-0000-PRT-00001 has been developed and endorsed by AA</p> <p>Acoustic Advisor Endorsement for Botany Rail Duplication Project (SSI-9714) CNVMP Rev 4 which included the Out of Hours (OOHW) Work Protocol dated 5 July 2022: sighted.</p>		Compliant

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			<p>(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</p> <p>(c) an approval has been obtained for a controlled activity under the Airports Act 1996; or</p> <p>(d) where different construction hours are permitted or required under an EPL in force in respect of the CSSI; or</p> <p>(e) work approved under an Out-of-Hours Work Protocol for work not subject to an EPL as required by Condition E29; or</p> <p>(f) construction that causes LAeq(15 minute) noise levels:</p> <p>(i) no more than 5 dB(A) above the rating background level at any residence in accordance with the <i>Interim Construction Noise Guideline</i> (DECC, 2009), and</p> <p>(ii) no more than the 'Noise affected' noise management levels specified in Table 3 of the <i>Interim Construction Noise Guideline</i> (DECC, 2009) at other sensitive land uses, and</p> <p>(iii) 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</i> (DEC, 2006), and (iv) 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</i> (DEC, 2006); or</p> <p>(g) negotiated agreements with directly affected residents.</p> <p><i>Note: Section 5.24(1)(e) of the EP&A Act requires that an EPL be substantially consistent with this approval.</i></p>	<p>There is evidence of an OOHW Register which tracks the location of each OOH works, date, duration, working hours, ROL hours if applicable, Engineer in Charge, Supervisor, Environmental Manager/ Representative, equipment to be used during the works, equipment make/model, provision of a map, date information provided, notification required, Permit Number and notes. It is recommended to include the Permit Number in each OOHW for traceability purposes</p>		

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
5.17	E	E17	On becoming aware of the need for emergency works in accordance with Condition E16 , the Proponent must notify the AA, ER and the EPA (if an EPL applies) of the need for that work. The Proponent must use best endeavours to notify all noise and/or vibration affected occupants of sensitive land uses of the likely impact and duration of those works.	<p>There is evidence of emergency works undertaken under the Condition E17 and EPL 21678 Condition L3.4(b).</p> <p>Emergency Works Report: Myrtle Street signalling Repairs Rev 01 Document No BRD-JHG-EN-0000-RPT-14018 dated 14 April 2023: sighted</p> <p>The works were carried out on the 13 April 2023 after 6:00pm to repair and make safe a signalling cable following a cable strike at the location. The repair process involved excavation and insertion of a concrete pit to facilitate joint location. Noise Monitoring was undertaken while proceeding with the works. Noise Monitoring Form dated 13 April 2023 time 18:36pm: sighted.</p> <p>Notification to EPA Pollution Line, ER, AA, Project EPA Officer and ARTC of the emergency out of hours works via phone occurred on the 13 April 2023 as stated in the Report. EPA Pollution Line Reference Number: 01115750</p>		Compliant
5.18	E	E18	<p>Except as permitted by an EPL, out-of-hours work that may be regulated through the Out of Hours Work Protocol as per Condition E28 includes, but is not limited to:</p> <ul style="list-style-type: none"> (a) carrying out work 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 (b) where the relevant road authority has advised the Proponent in writing that carrying out the work during standard hours would result in a high risk to road 	<p>An Out of Hours Work Protocol (Document No BRD-JHG-NV-0000-PRT-00001) Rev 4 has last reviewed on the 22 August 2022. The OOHW Protocol is subject to the EPL therefore does not require OOH approval as detailed in the Protocol.</p> <p>Works regulated under the Out of Hours Work Protocol includes but not limited to high risk works as assessed in accordance with AS/NZS ISO 31000:2009, as advised in writing by relevant road authority and utility service operator, approved controlled activities under the Airports Act 1996 and works undertaken in a rail possession for operational or safety reasons</p>		Compliant

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			<p>network performance and a road occupancy licence will not be issued; or</p> <p>(c) where the relevant utility service operator has advised the Proponent in writing that carrying out the work during standard hours would result in a high risk to the operation and integrity of the utility network; or</p> <p>(d) where an approval is required for a controlled activity in accordance with the Airports Act 1996; or</p> <p>(e) work undertaken in a rail possession for operational or safety reasons.</p> <p><i>Note: Other out-of-hours works can be undertaken with the approval of an EPL, or through the project's Out-of-Hours Work Protocol for works not subject to an EPL.</i></p>	<p>The following OOHW permits were verified:</p> <p>Out of Hours Works Permit 140 WE45, date of application 5 May 2023, location/description/proposed dates for OOHW/ equipment required/ duration/ equipment require/alternative methods as detailed in Noise Assessment 140. Works are required to be carried out during rail possession to enable safe working under EPL condition L3.8 (rail possession). Mitigation measures are included. Document signed off on the 5 May 2023 by JHG Project Construction Manager, Project Director, Environment Manager and Community and Stakeholder Manager. The AA has been notified of works.</p> <p>Out of Hours Work Permit 150, application dated 1 May 2023 for works carried out at General Holmes Drive Compound (Location 1) & Baxter Road Compound (Location 2) – Appendix A for relocation of oversized materials from GHD to Bater from 1 May 2023 to 4 may 2023, duration from 2100 to 0600, ROL required for oversize equipment movement, works to be undertaken under EPL Condition L3.3, mitigation measures included and approved by JHG Project Engineer, Project Director, Environment Manager and Community and Stakeholder Manager. AA notification not required as predicted noise levels are less than RBL+5dBA. Appendix A includes works location 1 & 2, Appendix B addresses proposed construction activities and associated sound power levels and Appendix C addresses</p>		

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				noise predictions at the nearest residential receiver		
5.19	E	E19	<p>Highly Noise Intensive Work</p> <p>Except as permitted by an EPL or approved through the Out of Hours Work Protocol in Condition E29, highly noise intensive work must only be undertaken:</p> <ul style="list-style-type: none"> (a) between the hours of 8:00 am to 6:00 pm Monday to Friday; (b) between the hours of 8:00 am to 1:00 pm Saturday; and (c) if continuously, then not exceeding three (3) hours, with a minimum cessation of work of not less than one (1) hour between each block where the work is likely to impact the same noise sensitive receivers. <p>For the purposes of this condition, 'continuously' includes any period during which there is less than one (1) hour between ceasing and recommencing any of the work.</p> <p><i>Note: This condition does not prevent a negotiated agreement being reached with affected sensitive receivers as per Condition E16.</i></p>	<p>For highly noise intensive works, an additional EPL condition aligns with E19.</p> <p>The activity under the OOHW is appropriately assessed and approved by the Acoustic Adviser to ensure that the works will comply with the nominated timeframes established in the assessment.</p> <p>For highly noise intensive works, an additional EPL condition aligns with E19.</p> <p>Within the EPL 21678 there is a 24hr allowance for High Noise Intensive Work during possession periods.</p> <p>Section 5.1 of the Noise and Vibration Management Plan defines the working hours as aligned to CoA E19, with standard hours and OOHW periods depicted in Figure 5.1: Construction hours. The OOHW periods are further defined as:</p> <ol style="list-style-type: none"> 1. OOHW Period 1 - 8:00 am to 6:00 pm Sunday (or public holidays) or 6:00 pm to 10:00pm weekdays 2. OOHW Period 2 - 10:00 pm to 7:00 am weekday nights, 10:00 pm to 8:00 am Saturday night or 6:00 pm to 7:00 am Sunday or public holiday nights 		Compliant
5.20	E	E20	<p>Construction Noise – Coordination</p> <p>The Proponent must consult with proponents or applicants of other State Significant development</p>	<p>Evidence of consultation with Gateway in relation to cumulative noise as follows:</p> <p>Noise Assessment discussions regarding WC05/07 as per emails presented – from Environmental</p>		Compliant

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			and infrastructure within 200 metres of the CSSI and take reasonable steps to coordinate work, including utility work, to minimise cumulative impacts of noise and vibration and maximise respite for affected sensitive receivers.	Officer Sydney Gateway Project to JHG on the 29 May 2023 cc JHG Environment Manager with reference to night works upcoming weeks: sighted Coordination regarding Z3-5 Night Shift Works WC-27 February 2023 as per emails presented to the auditor, from JHG Project Engineer to JHG Senior Project Engineers & Environment Manager on the 16 February 2023: sighted		
5.21	E	E21	<p>All work undertaken for the delivery of the CSSI, including those undertaken by third parties (such as utility relocations), must be coordinated to ensure respite is provided. The Proponent must:</p> <ul style="list-style-type: none"> (a) reschedule any work to provide respite to impacted noise sensitive receivers so that the respite is achieved in accordance with Condition E26; or (b) consider the provision of alternative respite or mitigation to impacted noise sensitive receivers; and (c) provide documentary evidence to the AA and ER in support of any decision made by the Proponent in relation to respite or mitigation. 	<p>Sydney Gateway and Botany Rail Duplication Project Coordination Meetings are undertaken regularly addressing all civil and environmental aspects of track possession, comms/OOHW, runway closures, environmental issues, handbacks.</p> <p>Sydney Gateway and Botany Rail Duplication Project Coordination Meeting No 32 took place on the 9 March 2023 with the attendance of JHG, ARTC, Sydney Gateway, JHSWJV: sighted</p>		Compliant
5.22	E	E22	Noise generating work in the vicinity of potentially affected community, religious, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories and operating theatres) resulting in noise levels above the relevant NML must not be timetabled within sensitive periods, unless	There is no noise generating works impacting the areas listed in the Construction Noise & Vibration Management Plan. All works are in accordance with the EPL and approved OOHW permits.		Compliant

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			other reasonable arrangements with the affected institutions are made at no cost to the affected institution.			
5.23	E	E23	<p>Noise and Vibration Mitigation</p> <p>Mitigation measures must be implemented with the aim of achieving the following construction noise management levels and vibration criteria:</p> <ul style="list-style-type: none"> (a) construction ‘Noise affected’ noise management levels established using the <i>Interim Construction Noise Guideline</i> (DECC, 2009); (b) vibration criteria established using the <i>Assessing vibration: a technical guideline</i> (DEC, 2006) (for human exposure); (c) Australian Standard AS 2187.2 - 2006 “<i>Explosives - Storage and Use - Use of Explosives</i>”; (d) BS 7385 Part 2-1993 “<i>Evaluation and measurement for vibration in buildings Part 2</i>” as they are “applicable to Australian conditions”; and (e) the vibration limits set out in the <i>German Standard DIN 4150-3: Structural Vibration-effects of vibration on structures</i> (for structural damage). <p>Any work identified as exceeding the noise management levels and/or vibration criteria must be managed in accordance with the Noise and Vibration CEMP Sub-plan.</p>	<p>Noise and Vibration mitigation measures are addressed by Consultant Renzo Tonin and Associates</p> <p>There is evidence of a Botany Rail Duplication – Noise and Vibration Assessment Report developed for the WE45 (Friday 5 May 2023 to Monday 8 May 2023 by Renzo Tonin & Associates. Mitigation measures are included in Section 1 of the Report. Examples of mitigation measures to be applied during the works are:</p> <ul style="list-style-type: none"> ○ Community notifications ○ Notification and targeted respite notification issued within 14 days prior to the possession. ○ The equipment to be used as part of the possession will be a combination of hi-rail and road based, checks and reviews will be carried out on all equipment as part of the on-boarding process and include reviews for reversing alarms (non-tonal) as well as other safety features which may be considered ‘annoying’ in nature. ○ Noise verification monitoring and noise source observations will be carried out by the Environment Team to confirm noise predictions and identify any additional mitigation measures to be applied to the works. Noise monitoring will be carried out throughout the WE45 		Compliant

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			<p><i>Note: The Interim Construction Noise Guideline identifies 'particularly annoying' activities that require the addition of 5 dB(A) to the predicted level before comparing to the construction Noise Management Level. Mitigation measures must provide ongoing mitigation for construction noise</i></p>	<p>possession including at the start of a new activity and during predicted high noise impact works.</p> <ul style="list-style-type: none"> ○ Vibration monitoring to be carried out by the Noise and Vibration consultant during vibration <p>Botany Rail Duplication Project – TM232-23F02 P1-P2 Botany Road Bridge Impact Piling Vibration Monitoring Report dated 28 October 2022 by Renzo Tonin & Associates: sighted.</p> <p>A non-compliance was recorded on the 18 October 2022. Methodology for piling works did not include sensitive receivers adjacent to the works. The non-compliance was actioned by the installation of monitoring receivers within the location. The CEMP was updated accordingly. The non-compliance was closed.</p> <p>Correspondence from ARTC to the Secretary of the Department of Planning and Environment dated 4 November 2022 provides notification of a non-compliance with the approved Construction Noise and Vibration Management Plan (CNVMP) in regards to the commitment of having a Construction Noise and Vibration Impact Statement (CNVIS) for all activities, in particular those identified as exceeding noise management levels. ARTC, John Holland and the Independent Environmental Representative have reviewed the documentation and determined to report the event as a non-compliance with CoA E23 due to the requirement for "Any work identified as exceeding the noise management levels and/or</p>		

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				<p>vibration criteria must be managed in accordance with the Noise and Vibration CEMP Sub-plan” as monitored noise levels from the piling were recorded above the noise management levels at that location and the CNVIS did not cover that activity at that specific location.</p> <p>The following actions were taken:</p> <ul style="list-style-type: none"> ○ Works were suspended to enable the CNVIS to be updated and reviewed by the Acoustic Advisor ○ Consultation was completed with impacted residents on McBurney Avenue to identify preferred times for the works to recommence. ○ Vibration monitoring was completed when works resumed on 20 October 2022. ○ A review of the management plans and the results of the monitoring program was undertaken to ascertain compliance status, and this was presented to the Environmental Representative on 27 October 2022 and discussed with the project team at the Monthly ER AA Meeting held on 1 November 2022. 		
5.24	E	E24	<p>Owners and occupiers of properties at risk of exceeding the screening criteria for cosmetic damage must be notified before works that generate vibration commences in the vicinity of those properties. If the potential exceedance is to occur more than once or extend over a period of 24 hours, owners and occupiers are to be provided a schedule of</p>	<p>Owners and occupiers of properties identified in the CNVMP specifically in the CNVIS which are at risk of exceeding the screening criteria for cosmetic damage are notified accordingly. Cosmetic criteria have never been exceeded; however, exceedances were identified within comfort levels.</p> <p>Example is Botany Rail Duplication – Noise and Vibration Assessment Report developed for the</p>		Compliant

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			potential exceedances on a monthly basis for the duration of the potential exceedances, unless otherwise agreed by the owner and occupier. These properties must be identified and considered in the Noise and Vibration CEMP Sub-plan .	WE45 (Friday 5 May 2023 to Monday 8 May 2023 by Renzo Tonin & Associates. The assessment includes noise and vibration analysis of all works occurring during the possession including utility CSR/ULX construction, piling, track reconditioning works and drainage construction as well as mobilisation and demobilisation activities. Noise predictions were calculated based on a likely worst-case scenario at the nearest receptors. Summary of the exceedances from WE45 possession per noise catchment area and predicted noise levels are included in the report including relevant mitigation measures.: sighted A monthly update is provided on the project website detailing the works for the month and any OOHW.		
5.25	E	E25	The Proponent must conduct vibration testing before and during vibration generating activities that have the potential to impact on heritage items to be retained and protected, to identify minimum working distances to prevent cosmetic damage. In the event that the vibration testing and monitoring shows that the preferred values for vibration are likely to be exceeded, the Proponent must review the construction methodology and, if necessary, implement additional mitigation measures.	Vibration testing prior and during vibration generating activities are being conducted as per this Condition Botany Rail Duplication Project – TM232-23F02 P1-P2 Botany Road Bridge Impact Piling Vibration Monitoring Report dated 28 October 2022 by Renzo Tonin & Associates: sighted. Vibration monitoring was undertaken external to the property 42 McBurney Avenue Mascot to monitor and assess potential cosmetic damage impacts and human comfort during the impact piling works.		Compliant
5.26	E	E26	Construction Noise Mitigation – Respite The Proponent must provide respite* for sensitive land uses where work is undertaken outside hours specified in Condition E14 and	Community engagement has been undertaken with face-to-face consultation for upcoming OOHW respite periods for piling works. There is evidence of notifications distributed to impacted residents. Similar notifications are in place while		Compliant

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			<p>E15 and exceeds the NML by 25 dB(A) or are greater than 75 dB(A) (LAeq(15 min)), whichever is the lesser at the façade of the building of a residential receiver.</p> <p>(The noise level must be reduced by 5dB where the noise contains annoying characteristics and increased by 10dB if the property has been treated or offered at-property noise treatment)</p> <p><i>Note: * respite can be any combination of days or hours where out of hours work would not be more than 5dB(A) above the rating background level at any residence.</i></p>	<p>working during rail possessions over the weekends. Examples of project updates/notifications are included in Condition E27</p>		
5.21	E	E27	<p>Out of Hours Work – Community Consultation on Respite</p> <p>In order to undertake work outside hours specified in Condition E14 and E15, the Proponent must identify appropriate respite* required by Condition E26, and/or additional mitigation measures required by Condition E28, for out-of-hours work in consultation with the community at each affected location on at least a 3 monthly basis. This consultation must include (but not be limited to) providing the community with a three-monthly forward schedule of likely out of hours works.</p> <p>The schedule must include:</p> <ul style="list-style-type: none"> (a) an indicative schedule of likely out-of-hours work for a period no less than three (3) months; (b) a description of the potential work, location and duration; 	<p>Regular notifications are provided and available on the project website including out of hours work. A Noise and Vibration Fact Sheet is referenced within the notification and available on the website. It includes noise and vibration assessment and management, standard working hours and contact details.</p> <p>The following notifications were sighted:</p> <ul style="list-style-type: none"> • Project Update Reference: BRD18, 29 July 2022 for weekend high noise works 13-15 August 2022 for track reconditioning work and excavation between 2am 13 August to 5am 15 August 2022. • Project Update Reference: BRD19, 8 August 2022 for weekend high impact out of hours works 13-15 August 2022 • Project Update Reference: BRD21, September 2022 includes OOHW for 6pm 		Compliant

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			<p>(c) the noise characteristics and likely noise levels of the work; and</p> <p>(d) likely mitigation and management measures to be implemented and/or offered.</p> <p>The outcomes of the community consultation (including any agreed alternative arrangements), the identified respite periods and the scheduling of the likely out-of-hour works must be provided to the AA, ER and EPA.</p> <p><i>Note: * respite periods can be any combination of days or hours where out of hours works would not be more than 5dB(A) above the rating background level at any residence.</i></p>	<p>to 6am (weeknights) and 1pm to 6pm (Saturdays), 1-30 September 2022</p> <ul style="list-style-type: none"> Project Update Reference: BRD22, 31 August 2022. Includes Out of Hours Work: Three Month Schedule with location and scope of works for: August to November 2022, 8-10 October 2022, October to November 2022 Project Update Reference: BRD30, Robey Street Road Closure from 11pm 3 February to 4:30am 6 February 2023. <p>Notifications include the project contact number, email address, and translation service.</p>		
5.28	E	E28	<p>Out of Hours Work – Mitigation</p> <p>Additional mitigation measures such as temporary alternative accommodation or other agreed mitigation measure, must be offered/ made available to residents affected by out-of-hours work</p> <p>(including where utility work is being undertaken for the project) where the construction noise levels, between:</p> <ul style="list-style-type: none"> (a) 10:00 pm and 7:00 am, Monday to Friday; (b) 10:00 pm Saturday to 8:00 am Sunday; and (c) 6:00 pm Sunday and public holidays to 7:00 am the following day unless that day is Saturday then to 8:00am, <p>are predicted to exceed the NML by 25 dB(A) or are greater than 75 dBA (LAeq(15 min)), whichever is the lesser and the impact is</p>	<p>Temporary alternative accommodation provided to an HSE student during the possession occurred in October 2022</p>		Compliant

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			<p>planned to occur for more than two (2) nights over a seven (7) day rolling period.</p> <p>The NML must be reduced by 5 dB where the noise contains annoying characteristics and increased by 10 dB if the property has been treated or offered at-property noise treatment. The noise levels and duration requirements identified in this condition may be changed through an EPL applying to the CSSI.</p>			
5.29	E	E29	<p>Out-of-Hours Work Protocol – Work not subject to an EPL</p> <p>An Out-of-Hours Work Protocol must be prepared to describe the process for the consideration, management and approval of work which is outside the hours defined in Conditions E14 and E15 and E19 and that is not subject to an EPL. The Protocol must be approved by the Planning Secretary before commencement of out of hours work. The Protocol must be prepared in consultation with the AA. The Protocol must:</p> <ul style="list-style-type: none"> (a) provide a process for the consideration of out-of-hours work against the relevant noise management level and vibration criteria (including ground-borne noise), including the determination of low and high-risk activities; (b) provide a process for the identification of mitigation measures for residual impacts, 	<p>EPL in place. Out-of-Hours Work Protocol approved by Acoustic Advisor on the 5 July 2022. All works are subject to EPL</p>		Not Triggered

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			<p>including respite periods in consultation with the community at each affected location, consistent with the requirements of Condition E26 and E27, and additional mitigation measures in accordance with Condition E28;</p> <p>(c) identify procedures to facilitate the coordination of out-of-hours works approved by an EPL to ensure appropriate respite is provided;</p> <p>(d) identify an approval process that considers the risk of activities, proposed mitigation, management and coordination, including where:</p> <p>(i) low risk activities can be approved by the ER in consultation with the AA, and</p> <p>(ii) high risk activities can be approved by the ER in consultation with the AA, and the approval provided to the Planning Secretary for information before work commences; and</p> <p>(e) identify arrangements to notify EPA and community for approved out of hours works, which maybe detailed in the Communication Strategy.</p>			
5.30	E	E30	<p>Operation Ground-borne Noise</p> <p>The project must be designed to comply with the ground-borne noise trigger levels in the <i>Rail Infrastructure Noise Guideline</i> (EPA, 2013). Where the ground-borne noise trigger levels</p>	<p>Ground-borne Noise monitoring is to be carried out as part of the Operational Noise and Vibration Report (ONVR) process. The ONVR is in progress.</p>		Not Triggered

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			<p>cannot be achieved the Proponent must implement management and/or mitigation measures to minimise exceedances.</p> <p><i>Note: In determining whether the ground-borne noise trigger levels in the Rail Infrastructure Noise Guideline are applicable, the effect of operational mitigation measures including noise barriers and architectural acoustic treatments must be considered. To assist in policy interpretation, the comparison for predictions or measured data is to be made between internal ground-borne noise and internal airborne noise levels. Where mechanical ventilation complying with the BCA is provided, windows may be considered closed. Where mechanical ventilation is not provided windows should be open to limits recommended by the BCA.</i></p>			
5.31	E	E31	<p>Baseline ground-borne noise monitoring must be completed before the commencement of construction where ground-borne noise is predicted to exceed the trigger level for Ground borne noise in the <i>Rail Infrastructure Noise Guideline</i>.</p>	<p>This requirement was completed before the commencement of the construction.</p>		Not Triggered
5.32	E	E32	<p>Noise Mitigation - Operational Noise Mitigation Measures</p> <p>The Proponent must prepare an Operational Noise and Vibration Review (ONVR) to confirm noise and vibration control measures that would be implemented for the operation of the CSSI.</p> <p>The ONVR must be prepared as an iterative design development and in consultation with</p>	<p>ARTC is to prepare an Operational Noise and Vibration Review (ONVR) to confirm noise and vibration control measures that would be implemented for the operation of the project.</p> <p>The ONVR needs to be verified by the Acoustic Advisor within 6-months following the commencement of construction (11 February 2022). The operational noise mitigation measures were not installed within the timeframe, therefore ARTC submitted to the Planning a report providing justification for such delay as required by Condition E33</p>		Not Triggered

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			<p>relevant council(s) and other relevant stakeholders and must:</p> <ul style="list-style-type: none"> (a) confirm the appropriate operational noise and vibration objectives and levels for surrounding development, including existing sensitive land uses; (b) confirm the operational noise predictions (including ground-borne noise) based on the final design. Confirmation must be based on an appropriately calibrated noise model (which has incorporated data obtained from noise monitoring and traffic counts where necessary for calibration purposes).; (c) confirm the operational noise and vibration impacts at sensitive receivers based on the final design of the CSSI, including operational daytime LAeq,15 hour and night-time LAeq, 9 hour traffic noise contours; (d) examine all noise and vibration mitigation measures that could be applied to address the impacts identified in (c), with a focus on source control and design; (e) identify specific physical and other mitigation measures that will be installed for controlling noise and vibration impacts at the source and at the receiver (if relevant) including location, type and timing of their installation; (f) where noise and vibration objectives cannot be achieved, the ONVR must present an analysis of all noise and vibration mitigation measures, the 'best practice' achievable noise and vibration outcome and justification for the measure decided upon based upon the analysis; (g) fully describe the design, assumptions, calculation process, mitigation strategy, and other relevant factors (including the procedures in place to ensure trains do not stop within the Botany Rail 	<p>Correspondence from John Holland Project Director James Renwick dated 8 September 2022 to the Department of Planning, Industry and Environment includes updated report Rev 3 with details of date of completion of the mitigation measures - 11 October 2023. Refer to E33 Audit evidence</p>		

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			<p>Duplication and details of exceptions that may result in trains stopping).</p> <p>(h) include a consultation strategy to seek feedback from directly affected landowners on the noise and vibration mitigation measures; and</p> <p>(i) procedures for the management of operational noise and vibration complaints.</p> <p>The ONVR must be verified by the AA. The ONVR must be prepared at the Proponent's expense and submitted to the Planning Secretary for approval before the implementation of mitigation measures. The ONVR must be made publicly available consistent with the requirements of Condition B10.</p> <p>The Proponent must implement the identified noise and vibration control measures no later than 6 months after the commencement of construction, unless otherwise agreed with the Planning Secretary.</p>			
5.33	E	E33	<p>Where operational noise mitigation measures (that also assist in reducing construction noise impacts) cannot be installed within six months of commencement of construction in accordance with Condition E32, the Proponent must submit to the Planning Secretary a report providing justification as to why. The report must include details of temporary measures that would be implemented to reduce construction noise impacts, until such time that the operational noise mitigation measures</p>	<p>Implementation of the Operational Noise Mitigation Measures in accordance with Condition E32 was to be completed by 11 August 2022 (6-months from construction commencement 11 February 2022), unless a justification is submitted to the Department.</p> <p>ARTC submitted a justification report to advise of the delay in the installation of operational noise and vibration control measures on the Botany Rail Duplication Project within six (6) months of construction commencement as required by Condition E32. Correspondence dated 17 August</p>		Compliant

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			<p>identified in Condition E32 are implemented. The report must be endorsed by the AA and submitted to the ER for approval within six (6) months of the commencement of construction which would affect the identified sensitive land uses.</p>	<p>2022 includes John Holland Project Director James Renwick letter dated 10 August 2022, report endorsed by the appointed Acoustic Advisor dated 10 August 2022 and approval from the Independent Environmental Representative Rui Henriques dated 11 February 2022 Ref No. 201203 (A) BRD_E33 12AUG22</p> <p>Department of Planning and Environment submits correspondence to ARTC in response to letter 17 August 2022. Letter 30 August 2022 requests ARTC to provide a final completion date for the noise mitigation works. Ref Botany Rail Duplication - E33 ONVR Mitigation Agreement (SSI-9714-PA-63): sighted</p> <p>Correspondence from John Holland Project Director James Renwick dated 8 September 2022 to the Department of Planning, Industry and Environment includes updated report Rev 3 with details of date of completion of the mitigation measures - 11 October 2023: sighted</p> <p>Correspondence from Department of Planning and Environment to Project Director dated 21 September 2022 approving extension of the timeframe for the delivery of noise mitigation works under Condition E33. Ref SI-9714-PA-63. Table 1 – Approved Timetable includes:</p> <p>11 November 2022 – submission of ONVR with AA verification to DPE</p> <p>11 June 2023 – Final deadline for execution of contracts with owners of properties that require mitigation works and finalisation of relevant supporting documentation</p>		

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				<p>11 October 2023 – Final deadline for complete implementation of all mitigation measures except for on-track measures.</p> <p>Correspondence from ARTC to the Department of Planning and Environment dated 10 November 2022 submitting Operational Noise and Vibration Review by Acoustic Studio Acoustic Advisor as per Condition E32 for approval purposes. Doc ref: 20221110 Botany Rail Duplication ONVR - AA Verification Letter.docx</p> <p>Once approved by the Department, ARTC will make ONVR publicly available on the Project Website</p> <p>Correspondence from Department of Planning and Environment to ARTC dated 02 December 2022 noting that the ONVR has been approved accordingly. Ref SSI-9714-PA-74</p> <p>Botany Rail Duplication Operational Noise & Vibration Review Rev 5 by Pulse White Noise Acoustics, Report No 210565_Botany Rail Duplication_R8.1.docx, Client Reference: BRD-JAC-NV-0000-REP-0001 dated 7 November 2022 made publicly available in the project website: sighted</p>		
5.34	E	E34	<p>Within 12 months of the commencement of operation of the CSSI, the Proponent must undertake monitoring of operational noise (including ground borne noise) to compare actual noise performance of the CSSI against the noise performance predicted in the review of noise mitigation measures required by Condition E32.</p>	<p>The Botany Rail Duplication Project is still in its construction phase. This is not yet triggered.</p>		Not Triggered

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			<p>The Proponent must prepare an Operational Noise Compliance Report to document this monitoring. The Report must include, but not necessarily be limited to:</p> <ul style="list-style-type: none"> (a) airborne and ground-borne noise monitoring to assess compliance with the operational noise levels predicted in the review of operational noise mitigation measures required under Condition E32; (b) a review of the operational noise levels in terms of noise trigger levels established in the <i>Rail Infrastructure Noise Guideline</i> (EPA, 2013); (c) methodology, location and frequency of noise monitoring undertaken, including monitoring sites at which CSSI noise levels are ascertained, with specific reference to locations indicative of impacts on receivers; (d) details of any complaints and enquiries received in relation to operational noise generated by the CSSI between the date of commencement of operation and the date the report was prepared; (e) any required recalibrations of the noise model taking into consideration factors such as noise monitoring and actual traffic numbers and proportions; (f) an assessment of the performance and effectiveness of applied noise mitigation measures together with a review and if necessary, reassessment of mitigation measures; and (g) identification of additional measures to those identified in the review of noise mitigation measures required by Condition E32, that are to be implemented with the objective of meeting the trigger levels outlined in the <i>Rail Infrastructure Noise Guideline</i> (EPA, 2013) and 			

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			<p><i>Noise Policy for Industry</i> (EPA, 2017), when these measures are to be implemented and how their effectiveness is to be measured and reported to the Planning Secretary and the EPA.</p> <p>The Operational Noise Compliance Report must be submitted to the Planning Secretary and the EPA, following review by the AA and within 60 days of completing the operational noise monitoring and made publicly available.</p>			
	E		LAND USE AND PROPERTY			
5.35	E	E35	<p>The Proponent must identify the utilities and services (hereafter “services”) potentially affected by Construction to determine requirements for diversion, protection and/or support. The Proponent, in consultation with service providers, must ensure that disruption to services resulting from the Construction is avoided where possible. Where unavoidable, customers must be advised in accordance with the Communication Strategy required under Condition B1.</p>	<p>There is evidence of customers been advised when there is a disruption to the services resulting from the construction works in and around Banksia Street.</p> <p>ARTC Upcoming Works Notification regarding Sydney Water Cutover Work dated 13 June 2023. Notification states that cutover works are between 19 to 23 June 2023: sighted.</p>		Compliant
5.36	E	E36	<p>Condition Survey</p> <p>Before commencement of any construction, a structural engineer must undertake condition surveys of buildings, structures, utilities and the like that are identified in the Noise and Vibration CEMP Sub-Plan as being at risk of damage due to construction vibration unless as</p>	<p>All Condition Surveys have been prepared by Land Surveys, reference LS-004-772, Rev 0 dated 8 December 2021 and reviewed by van de Meer Consulting as signed on the 22 December 2021 prior to commencement of construction 11 February 2022. Reports were undertaken in accordance with the Noise and Vibration Management Plan.</p> <p>No other updates incurred under this Condition</p>		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>otherwise instructed or agreed to by the pipeline or utility operator.</p> <p>The results of the surveys or agreement with the pipeline or utility operator must be documented in a Condition Survey Report for each item at risk of damage. Copies of Condition Survey Reports must be provided to the owners of the items surveyed, and no later than one month before the commencement of construction.</p>			
5.37	E	E37	<p>After completion of construction, condition surveys must be undertaken by a structural engineer of all items for which condition surveys were undertaken in accordance with Condition E36. The results of the surveys must be documented in a Condition Survey Report for each item surveyed. Copies of Condition Survey Reports must be provided to the landowners of the items surveyed no later than three (3) months following the completion of construction.</p>	The Botany Rail Duplication Project is still in its construction phase. This is not yet triggered.		Not Triggered
5.38	E	E38	<p>The Proponent, where liable, must rectify any property damage caused directly or indirectly (for example from vibration or groundwater change) by the construction or operation of the CSSI at no cost to the owner unless otherwise agreed with owner.</p>	No damage to properties to date.		Not Triggered
5.39	E	E39	<p>Reinstated billboards must be reinstated like for like (the billboard must be no larger than</p>	No billboards requiring reinstatement		Not Triggered

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			existing and use the same technology) in the immediate vicinity of their current location. <i>Note: Any billboards to be reinstated in an alternative location may be subject to further assessment under the EP&A Act.</i>			
	E		SOILS			
5.40	E	E40	All reasonably practicable erosion and sediment controls must be installed and appropriately maintained to minimise water pollution. When implementing such controls, any relevant guidance in the <i>Managing Urban Stormwater</i> series must be considered.	Progressive Erosion and Sediment Control Plan Document No BRD-JHG-EN-0000-PLN-13055 (GHD) Rev 4, dated 02 May 2023 presented as evidence for General Holmes Drive Compound. Progressive Erosion and Sediment Control Plan Document No 21000472-P02-REVB-20220509 Version B, Drawing P02 – Mill Pond Access and Abutment Works prepared by ESC Specialist Andrew Macleod Verified onsite: concrete stabilised access and rumble grid, sediment fences in place and being maintained, floating silt curtain, concrete barriers installed, and check dams installed at Mill Pond with no plume evident in water as verified during the site inspection.		Compliant
5.41	E	E41	Contaminated sites A Site Contamination Report , documenting the outcomes of Stage 1 and Stage 2 contamination assessments of land upon which the CSSI is to be carried out, or land associated with the CSSI, that is suspected, or known to be, contaminated must be prepared by a suitably qualified and experienced person	Report on Site Contamination Investigation - Botany Rail Duplication Project – EIS Section Mascot Document No R.024.Rev 0 prepared by Douglas Partners - Tim Wright reviewed by Paul Gorman, JHG Rachel Labruyere confirmed that the document and all attached drawings, logs and test results have been checked and reviewed for errors, omissions and inaccuracies', document dated 17 August 2022: sighted		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>in accordance with guidelines made or approved under Section 105 of the <i>Contaminated Land Management Act 1997</i> (NSW).</p> <p><i>Note: for that land where Stage 1 and Stage 2 contamination assessments have already been undertaken, they do not need to be undertaken again for the purposes of this condition.</i></p>	<p>A Site Contamination Report has been drafted by Douglas Partners, reference R.024.DftC DSI dated 26 May 2022.</p> <p>The report concludes that the site is suitable for the proposed development subject to the appropriate management of soils and can be made suitable subject to the preparation and implementation of a remediation action plan (RAP).</p>		
5.42	E	E42	<p>A Remediation Action Plan must be prepared by a suitably qualified and experienced person in accordance with guidelines made or approved under Section 105 of the <i>Contaminated Land Management Act 1997</i> (NSW).</p>	<p>Interim Advice 11 – Endorsement of the Remediation Action Plan (RAP) Botany Rail Duplication, Rev 3 by Kylie Lloyd of Geosyntec Consultants, a NSW EPA auditor accredited No 0302 under the Contaminated Land Management (CLM) Act 1997 dated 13 December 2022: sighted</p>		Compliant
5.43	E	E43	<p>The proponent must engage a NSW EPA accredited Site Auditor throughout the duration of works to ensure that any work required in relation to soil or groundwater contamination is appropriately managed. The Proponent must adhere to the management measures accepted by the Site Auditor.</p>	<p>No new engagement identified under this Condition</p> <p>As previous audit, Geosyntec was engaged as the site auditor. Letter of engagement presented as Aconex ref JH-SVVC-000104, 8 October 2021. CV also sighted for Geosyntec as accredited Contaminated Site Auditor, NSW EPA (No. 0302).</p>		Not Triggered
5.44	E	E44	<p>The Proponent must submit to the Planning Secretary the following:</p> <p>(a) an Interim Audit Advice or a Section B Site Audit Statement prepared by the Site Auditor that certifies that the Remediation Action Plan prepared in Condition E42 is appropriate and that the site can be made suitable for the proposed use.</p>	<p>Interim Advice 11 – Endorsement of the Remediation Action Plan (RAP) Botany Rail Duplication, Rev 3 by Kylie Lloyd of Geosyntec Consultants, a NSW EPA auditor accredited No 0302 under the Contaminated Land Management (CLM) Act 1997 dated 13 December 2022: sighted.</p> <p>The site auditor was engaged to enable a site audit statement (SAS) and associated site audit report (SAR) to be prepared to confirm suitability of the</p>		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<p>(b) if work is to be completed in stages, any Interim Audit Advice/s issued by the Site Auditor to confirm satisfactory completion of each stage.</p> <p>(c) a Section A1 Site Audit Statement or a Section A2 Site Audit Statement and accompanying Site Audit Report prepared by a NSW EPA accredited Site Auditor must be submitted to the Planning Secretary and the relevant Council for information no later than one month before the commencement of operation.</p>	<p>site for proposed Railway Track Duplication and supporting works. The auditor has reviewed the Douglas Partners (DP) Remediation Action Plan dated 13 December 2022. The auditor considered that the RAP and the site is capable of being made suitable for the proposed use as an operational rail corridor providing the RAP dated 13 December 2022 is implemented and any residual contamination is managed by a Long-Term Environmental Management Plan. The interim advice advises that does not constitute a SAS or a SAR, but rather was provided to assist the client in the assessment and management of contamination issues at the site</p>		
5.45	E	E45	<p>Contaminated land must not be used for the purpose approved under the terms of this approval until a Site Audit Statement determines the land is suitable for that purpose and any conditions on the Site Audit Statement have been complied with.</p>	<p>Site Audit Statement not yet signed off by site Auditor</p>		Not Triggered
	E		SUSTAINABILITY			
5.46	E	E46	<p>The Proponent must endeavour to achieve a best practice level of performance for the CSSI being a minimum 'Design' and 'As built' rating score of 65 using the Infrastructure Sustainability Council of Australia infrastructure rating tool or an equivalent level of performance using a demonstrated equivalent rating tool.</p>	<p>JHG Presentation of Sustainability and Environment Performance Review undertaken Q3 (July to September 2022): sighted. Presentation includes Environmental Items, Infrastructure sustainability Rating and What is required to finalise IS Rating. Invitations sent 25 May 2023 for Environmental Management Review (6-monthly) to be undertaken on the 26 May 2023. Agenda included. Invitees included JHG Project Director, Construction Manager, Sustainability Manager,</p>		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				Design Manager, Communications manager and ARTC Project Manager. Weightings Assessment Rev 3 presented to the auditor, it includes the Infrastructure Sustainability Scorecard – Credit Summary at Design Stage for different categories such as Management systems, procurement and Purchasing, Climate change Adaptation, Energy and Carbon, Water Materials, Discharges to Air, Land & Water, Land, Waste, Ecology, Community Health, Well being and Safety, Heritage, Stakeholder Participation, Urban and Landscape Design and innovation, with a leading score of 89		
	E		TRAFFIC AND TRANSPORT			
5.47	E	E47	Before any local road is used by a heavy vehicle for the purposes of construction of the CSSI, a Road Dilapidation Report must be prepared for the road. A copy of the Road Dilapidation Report must be provided to the relevant Council within three (3) weeks of completion of the survey and at least two weeks before the road is used by heavy vehicles associated with the construction of the CSSI.	No additional local roads have identified under this Condition. Previous Non-Compliance (BRD-01_NC-02): Based upon the evidence provided, submission of the Road Dilapidation Report to Bayside Council was unable to be verified. Status: A Road Dilapidation Report was prepared as per previous audit (reference LS-004-846 Rev 0 dated 12 December 2021 for O’Riordan Street, Mascot). Refer to previous audit findings Section 5.3 of the Audit Report.		Compliant
5.48	E	E48	The use of local roads must minimise impacts to local traffic, cyclists and pedestrians. Management measures must be incorporated in the Construction Transport, Traffic and Access Management Plan as relevant, and:	No new impacts have been identified under this Condition		Not Triggered

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<ul style="list-style-type: none"> (a) demonstrate that the use of local roads will not compromise the safety of the public; (b) describe the measures that will be implemented to avoid where practicable the use of local roads past schools, aged care facilities and childcare facilities during peak times for operation. 			
5.49	E	E49	Closure and relocation of bus stops during construction must be undertaken in consultation with the relevant bus service providers and relevant council(s).	<p>Street closure has been required for 52 hours Possession from the 3 February to 8 February 2023. Closure was appropriately notified.</p> <p>ARTC Botany Rail Duplication Notification Reference BDR29 dated February 2023 addressed Upcoming Work from 1-28 February 2023 including five-day Rail Shutdown (3-8 February 2023): sighted. Notification is comprehensive and includes maps showing Robey Street Closure Detour Map and details closure and detour routes including days and times</p> <p>ARTC Robey Street Road Closure Notification Reference BDR30 from 3 February to 6 February 2023 for a Special Event Clearway on Botany Road 4&5 February 2023: sighted. Robey Street closure, Detour routes and map are included in the notification.</p>		Compliant
5.50	E	E50	<p>If damage to roads occurs as a result of construction of the CSSI, the Proponent must either (at the landowner's discretion):</p> <ul style="list-style-type: none"> (a) compensate the relevant road authority for the damage so caused. The amount of compensation may be agreed with the relevant road authority, but compensation must be paid even if no agreement is reached; or 	No damage to any roads to date.		Not Triggered

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			(b) rectify the damage to restore the road to at least the condition it was in before work commenced as identified in the Road Dilapidation Report .			
5.53	E	E51	<p>Property Access</p> <p>During work, all reasonably practicable measures must be implemented to maintain pedestrian, cyclist and vehicular access to, and parking in the vicinity of, businesses and affected properties.</p> <p>Where disruption cannot be avoided or minimised, alternative pedestrian, cyclist and vehicular access, and parking arrangements must be developed in consultation with affected businesses and implemented before the disruption. Adequate signage and directions to businesses must be provided before, and for the duration of, any disruption.</p>	<p>Appropriate access has been maintained as verified during the site inspection (refer to photos). No alternate arrangements have been required.</p> <p>Consistency Impact Assessments have been developed and implemented.</p> <p>Example is Consistency Impact Assessment reviewed by ARTC NCP NSW Projects, Environment Planning Manager M. Nettlefold, approved by JHG Project Director Paul Datzel and Environment Manager Rachel Labruyere and ARTC Environment Manager Alison Wedgwood and Project Director Dinith Amarasinghe dated 23 May 2023</p>		Compliant
5.52	E	E52	Access to all utilities and properties must be maintained during construction, where practicable, unless otherwise agreed with the relevant utility owner, landowner or occupier.	As per Consistency Impact Assessments. Refer to Condition E53		Compliant
5.53	E	E53	Any property access physically affected by the CSSI during construction must be reinstated to at least an equivalent standard, unless otherwise agreed by the landowner or occupier.	No access issues to date.		Not Triggered

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
5.54	E	E54	<p>Pedestrian and Cyclist Access</p> <p>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, the relevant council(s) must be informed two weeks before any disruption, and alternate routes which comply with the relevant standards must be provided and signposted or controlled before, and for the duration of, any disruption.</p>	90% of the project area does not have pedestrian and cyclist access. For the outstanding 10%, the Contractor maintains access and signage.		Compliant
5.55	E	E55	<p>Construction Traffic Coordination and Management</p> <p>The Proponent must take reasonable steps to coordinate construction traffic impacts with Proponents of other State Significant proposals near the CSSI and take reasonable steps to coordinate work to minimise cumulative traffic impacts in consultation with TfNSW and key Stakeholders.</p>	<p>Sydney Gateway and Botany Rail Duplication Project Coordination Meetings are undertaken regularly addressing all aspects of track possession, comms/OOHW, runway closures, environmental issues, handbacks.</p> <p>Sydney Gateway and Botany Rail Duplication Project Coordination Meeting No 32 minutes presented dated 9 March 2023 with the attendance of JHG, ARTC, Sydney Gateway, JHSWJV: sighted. The minutes Section 5.0 Traffic addressed key upcoming works for Gateway, Botany Rail Duplication and General (ROL coverage).</p>		Compliant
5.56	E	E56	<p>Parking</p> <p>Construction vehicles (including staff vehicles) associated with the CSSI must be managed to minimise parking, idling and queuing on public roads.</p>	<p>General Holmes Drive compound provides appropriate and well-maintained parking. No evidence of idling and queuing on public roads was sighted during the site inspection.</p> <p>During rail possessions, text messages are submitted to employees for information about parking. BRD Parking WE45 text message: sighted</p>		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
	E		VISUAL AMENITY			
5.57	E	E57	<p>Construction Ancillary Facilities</p> <p>The CSSI must be constructed in a manner that minimises visual impacts of construction sites, including light spill.</p>	Verified during site inspection. No light spill noted.		Compliant
5.58	E	E58	<p>Lighting and Security</p> <p>The Proponent must construct and operate the CSSI with the objective of minimising the impact of light spill to surrounding properties and aircraft operations.</p>	<p>The CEMP includes an Environmental Control Plan (02) for Visual Amenity under Appendix D. This considers any potential lighting impacts.</p> <p>No light impacts or complaints associated with lighting.</p>		Compliant
5.59	E	E59	<p>All lighting associated with the construction and operation of the CSSI must be consistent with the requirements of <i>Australian Standard 4282-1997 Control of the obtrusive effects of outdoor lighting</i> and relevant Australian Standards in the series <i>AS/NZ 1158 – Lighting for Roads and Public Spaces</i> and <i>NASF Guideline E: Managing the Risk of Distractions to Pilots from Lighting in the Vicinity of Airports</i>. Additionally, the Proponent must manage residual night lighting impacts to protect properties adjoining or adjacent to the CSSI, in consultation with affected landowners.</p>	<p>A Construction Lighting Audit was conducted on 13 August 2022 by WolfPeak/John Holland Ann Azzopardi and Mira Segaran from John Holland. The audit identified no non-conformances. Auditors noted that most of the site lighting observed was temporary lighting in the form of lighting towers. These were angled downwards and away from surrounding receivers and directed onto the work areas. Displayed on site hoarding in line with Condition B7, Community Notifications were issued for works in August 2023, including notification for possession works including night works from 13-15 August and n lighting -related complaints have been received on the Project to date.</p> <p>A Mitigating Light Pollution Toolbox was presented in September 2022. The presentation includes potential impacts of lighting on the community, key affected areas, lighting requirements as per Conditions E57 to E59 and</p>		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				RMM CLV2, mitigation measures, minimising light spill, IS Rating credit 'dis-5 Light Pollution and lighting audit – 13 August 2022.		
	E		UTILITIES MANAGEMENT			
5.60	E	E60	Nothing in this approval allows for the undertaking of any third-party utility work not required for the purposes of the CSSI. <i>Note: Third-party utility work, including but not limited to drainage, water or energy supply etc. identified not required for the project is not the responsibility of the Proponent and is subject to separate approvals process.</i>	No third-party utility work being undertaken.		Not Triggered
	E		WASTE			
5.61	E	E61	Waste generated during construction and operation must be dealt with in accordance with the following priorities: (a) waste generation must be avoided and where avoidance is not reasonably practicable, waste generation must be reduced; (b) where avoiding or reducing waste is not possible, waste must be re-used, recycled, or recovered; and (c) where re-using, recycling or recovering waste is not possible, waste must be treated or disposed of at a waste management facility or premise lawfully permitted to accept the materials or in accordance with a Resource Recovery Exemption or Order issued under the	There is evidence of a Spoil Disposal Register dated March 2023. The register is very comprehensive including disposal date, subcontractor name, truck Registration, Waste Classification, Classification Report, Zone, Stockpile/In-situ, BRD Reference, disposal location and EPL, load quantity in tonnes, docket Number. 08 February 2023, Grid Logistics, Rego XN19PX, Classification RSW(ACM), Classification Report No 207996.00 R.040.Rev4, Zone 4, In-situ, BRD08, by Cleanaway Kemps Creek, EPL 4068, 37.48tonne, docket No KEM130094015.0 Stockpiles still being labelled, retained on site as verified during inspection.		Compliant

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<i>Protection of the Environment Operations (Waste) Regulation 2014.</i>			
5.62	E	E62	All waste must be classified in accordance with the EPA's <i>Waste Classification Guidelines</i> , with appropriate records and disposal dockets retained for audit purposes.	<p>Stockpile Waste Classification 27 – SP-016 for Botany Rail Duplication Project Mascot by Douglas Partners, dated 18 July 2022 Rev 0 Reference Number R.047.Rev0: sighted. The report describes classification of waste approximate volume 150m3 – special waste Asbestos – General solid Waste (non-putrescible) (treated acid sulfate soil).</p> <p>Records of dockets are in Sharepoint – Documents/02.1 BRD External JH/ Contamination/ Combined dockets – from 12 September 2022 to 18 March 2023: sighted.</p> <p>These records are submitted to ARTC and Douglas Partners for validation purposes on a monthly basis.</p> <p>Classification of waste actioned by Douglas Partner – mainly Stockpile testing.</p> <p>ARTC reviews material types against volumes and proceeds with a reconciliation review respectively.</p>		Compliant
	E		WATER			
5.63	E	E63	The CSSI must be designed, constructed and operated so as to not worsen water quality of surface water discharged from the rail corridor unless an EPL in force in respect of the CSSI contains different requirements.	<p>There is no allowance to discharge water as per EPL requirements. All accumulated water due to runoff is drained into the project corridor. This is unchanged from the previous audit.</p> <p>Email received from EPA dated 30 March 2022 which advised the following:</p> <ul style="list-style-type: none"> piling activities on site may generate approximately 2000 to 5000 litres of 		Compliant

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				<p>combined groundwater or surface water. This is not considered to be a significant quantity of water requiring a water discharge licence. The EPA considers that volumes such as this may be processed and dealt with either on site (dust suppression for example) or off site at an appropriately qualified liquid waste receiver without the need to discharge off site to the environment.</p> <ul style="list-style-type: none"> Water may be moved and utilised between sites. Water may for example be generated on one site and utilised for dust suppression between both EPL sites. The EPA has no concern in this regard so long as contaminated water is not discharged from site to the environment. <p>Majority of water taken off-site has been categorised as liquid waste.</p>		
5.64	E	E64	Drainage feature crossings (permanent and temporary watercourse crossings and stream diversions) and drainage swales and depressions must be constructed in accordance with relevant guidelines and designed by a suitably qualified and experienced person.	Drainage feature crossings for permanent and temporary watercourse crossings and stream diversion, including drainage swales and depressions have been designed by Jacobs Consultancy. Jacobs are suitable and competent Consultants.		Compliant
5.65	E	E65	Works on waterfront land must be carried out in accordance with <i>Guidelines for Controlled Activities on Waterfront Land</i> (NRAR 2018).	JHG has reviewed Guidelines for Controlled Activities on Waterfront Land which are associated to Mill Pond compound in 2021. The relevant requirements from the Guidelines (NRAR 2018) have been considered and added into the Construction Environmental Management Plan		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
				Compliance Matrix Condition E65 and Construction Soil and Water Management Plan Rev 7 Sections 6.8 working in or near to waterways and 3.1.2 Guidelines and standards dated 30 September 2022		
6	APP X	A	WRITTEN INCIDENT NOTIFICATION & REPORTING REQUIREMENTS			
6.1	APPX A	1.	<p>A written incident notification addressing the requirements set out below must be submitted to the Department via the Major Projects website</p> <p>(https://www.planningportal.nsw.gov.au/major-projects) within seven days after the Proponent becomes aware of an incident. Notification is required to be given under this condition even if the Proponent fails to give the notification required under Condition A37 or, having given such notification, subsequently forms the view that an incident has not occurred.</p>	No incidents have occurred to date.		Not Triggered
6.2	APPX A	2.	<p>Written notification of an incident must:</p> <ul style="list-style-type: none"> (a) identify the CSSI and application number; (b) provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident); (c) identify how the incident was detected; (d) identify when the Proponent became aware of the incident; (e) identify any actual or potential non-compliance with conditions of approval; 	No incidents have occurred to date.		Not Triggered

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ID No.	CSSI Part	Req. No.	SSI Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Rating
			<ul style="list-style-type: none"> (f) describe what immediate steps were taken in relation to the incident; (g) identify further action that will be taken in relation to the incident; and (h) identify a project contact for further communication regarding the incident. 			
6.3	APPX A	3.	<p>Within 30 days of the date on which the incident occurred or as otherwise agreed to by the Planning Secretary, the Proponent must provide the Planning Secretary and any relevant public authorities (as determined by the Planning Secretary) with a detailed report on the incident addressing all requirements below, and such further reports as may be requested.</p>	No incidents have occurred to date.		Not Triggered
6.4	APPX A	4.	<p>The Incident Report must include:</p> <ul style="list-style-type: none"> (a) a summary of the incident; (b) outcomes of an incident investigation, including identification of the cause of the incident; (c) details of the corrective and preventative actions that have been, or will be, implemented to address the incident and prevent recurrence; and (d) details of any communication with other stakeholders regarding the incident. 	No incidents have occurred to date.		Not Triggered

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not Triggered

Appendix F. Consultation Records

CONSULTATION WITH THE DEPARTMENT OF PLANNING AND ENVIRONMENT

Barbara Pater

From: Barbara Pater
Sent: Friday, 12 May 2023 10:51 AM
To: compliance@planning.nsw.gov.au
Cc: Nilda Soto; Rachael Labruyere-JHG
Subject: Independent Environmental Audit - Botany Rail Duplication [APPC.GDLMF]

Dear Sir/Madam,

I am writing to advise that AQUAS will be conducting the Independent Environmental Audit of the Botany Rail Duplication as a requirement of Infrastructure Approval SSI-9714.

The audit will be conducted on the 29 May 2023 and will cover construction and associated compliance activities in accordance with SSI-9714 Schedule 2, Parts A, B, C and E, and Appendix A.

In line with the consultation requirements of the DPE guideline *Independent Audit Post Approval Requirements 2018*, Section 3.2, AQUAS seeks your input into the scope of the audit and advice on any particular areas where you would like us to focus on during this stage of the project.

Yours sincerely,

Barbara Pater | Exemplar Global Lead Environmental Auditor | AQUAS Consultant | IBOS Management System Representative | Infrastructure support for The APP Group
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CONSULTATION WITH ARTC

Barbara Pater

From: Alison Wedgwood < >
Sent: Thursday, 18 May 2023 1:51 PM
To: Barbara Pater
Cc: Nilda Soto; Rachael Labruyere-JHG
Subject: RE: Independent Environmental Audit - Botany Rail Duplication

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL

Hi Barbara,

Thanks for your email – in general, we would want to understand our overall level of compliance with the approval conditions as normal – however, given the project has probably less than 12 months of construction remaining – I wouldn't mind a focus on the specific deliverables that are required prior to completion of the construction phase to give us an understanding of how we are tracking towards operational readiness and if there are any items we should be focusing on now or any that are at risk to ensure compliance by the time the project concludes.

Another specific on-site focus for our team recently has been stockpiling and material/movement and waste disposal so perhaps that can also be looked at during any site inspections.

Let me know if any further questions or clarifications

Thanks
Alison

Alison Wedgwood
Environment Manager - NSW
Major Construction Projects

ARTC

M.
E.

Australian Rail Track Corporation
Level 15, 60 Carrington Street
Sydney NSW 2001

artc.com.au

From: Barbara Pater <Barbara.Pater@aquas.com.au>
Sent: Thursday, May 18, 2023 9:26 AM
To: Alison Wedgwood <AWedgwood@ARTC.com.au>

CONSULTATION WITH ER**Barbara Pater**

From: Rui Henriques <[redacted]>
Sent: Tuesday, 23 May 2023 11:36 AM
To: Barbara Pater; George Kollias; Alison Wedgwood
Cc: Nilda Soto; Rachael Labruyere-JHG
Subject: RE: Independent Environmental Audit - Botany Rail Duplication

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL

Hi Barbara,

Thank you for reaching out. From my perspective it would be valuable to explore compliance around conditions E27 and E65.

Kind regards

Rui Henriques

Environmental Representative – Western Sydney Airport Sydney Metro

Healthy Buildings International Pty Ltd
Suite 2.06, Level 2, 29-31 Solent Circuit, Norwest NSW 2153
P: 02 9650 5344 | W: www.hbi.com.au



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From: Barbara Pater <Barbara.Pater@aquas.com.au>
Sent: Monday, May 22, 2023 10:45 AM
To: George Kollias <[redacted]>; Rui Henriques <[redacted]>; Alison Wedgwood <[redacted]>
Cc: Nilda Soto <[redacted]>; Rachael Labruyere-JHG <[redacted]>
Subject: RE: Independent Environmental Audit - Botany Rail Duplication

Thank you for confirming George

Rui, if you have any feedback into the audit scope please let us know.

1

CONSULTATION WITH ACOUSTIC ADVISOR

Barbara Pater

From: Dave Anderson <d [redacted]>
Sent: Friday, 26 May 2023 5:36 PM
To: Barbara Pater
Cc: Nilda Soto; Rachael Labruyere-JHG
Subject: Re: Independent Environmental Audit - Botany Rail Duplication

Categories: 1. Save to KM

EXTERNAL

Hi Barbara,

Thanks for calling back just now. Confirming I have no specific concerns at the moment that would warrant particular areas of focus during your audit. Do give me a call any time though, if you need to discuss anything as the audit progresses.

Regards

Dave Anderson

From: Barbara Pater <Barbara.Pater@aquas.com.au>
Date: Monday, 22 May 2023 at 9:13 am
To: Dave Anderson < [redacted]>
Cc: Nilda Soto < [redacted]>, Rachael Labruyere-JHG < [redacted]>
Subject: Independent Environmental Audit - Botany Rail Duplication

Dear Dave,

I am writing to advise that AQUAS will be conducting the Independent Environmental Audit of the Botany Rail Duplication as a requirement of Infrastructure Approval SSI-9714.

The audit will be conducted on the 29 May 2023 and will cover construction and associated compliance activities in accordance with SSI-9714 Schedule 2, Parts A, B, C and E, and Appendix A.

In line with the consultation requirements of the DPE guideline *Independent Audit Post Approval Requirements 2018*, Section 3.2, AQUAS seeks your input into the scope of the audit and advice on any particular areas where you would like us to focus on during this stage of the project.

Yours sincerely,

Barbara Pater | Exemplar Global Lead Environmental Auditor | AQUAS Consultant | IBOS Management System Representative | Infrastructure support for The APP Group
A Level 7, 116 Miller Street, North Sydney NSW 2060 | a Cammeraygal country
T +61 2 9963 9908 | F +61 2 9954 1951 | M +61 415 764 785
E: barbara.pater@aquas.com.au | <https://www.aquas.com.au> | <https://www.app.com.au/aquas>
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Cc: Nilda Soto < >; Rachael Labruyere-JHG < >
Subject: [EXT] RE: Independent Environmental Audit - Botany Rail Duplication

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Dear Alison,

I am writing to advise that AQUAS will be conducting the Independent Environmental Audit of the Botany Rail Duplication as a requirement of Infrastructure Approval SSI-9714.

The audit will be conducted on the 29 May 2023 and will cover construction and associated compliance activities in accordance with SSI-9714 Schedule 2, Parts A, B, C and E, and Appendix A.

In line with the consultation requirements of the DPE guideline *Independent Audit Post Approval Requirements 2018*, Section 3.2, AQUAS seeks your input into the scope of the audit and advice on any particular areas where you would like us to focus on during this stage of the project.

Yours sincerely,

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CONSULTATION WITH BAYSIDE COUNCIL

Barbara Pater

From: Barbara Pater
Sent: Friday, 12 May 2023 10:52 AM
To: @bayside.nsw.gov.au
Cc: Nilda Soto; Rachael Labruyere-JHG
Subject: Independent Environmental Audit - Botany Rail Duplication [APPC.GDLMF]

Dear Colin,

I am writing to advise that AQUAS will be conducting the Independent Environmental Audit of the Botany Rail Duplication as a requirement of Infrastructure Approval SSI-9714.

The audit will be conducted on 29 May 2023 and will cover construction and associated compliance activities in accordance with SSI-9714 Schedule 2, Parts A, B, C and E, and Appendix A.

In line with the consultation requirements of the DPE guideline *Independent Audit Post Approval Requirements 2018*, Section 3.2, AQUAS seeks your input into the scope of the audit and advice on any particular areas where you would like us to focus on during this stage of the project.

Yours sincerely,

Barbara Pater | Exemplar Global Lead Environmental Auditor | AQUAS Consultant | IBOS Management System Representative | Infrastructure support for The APP Group
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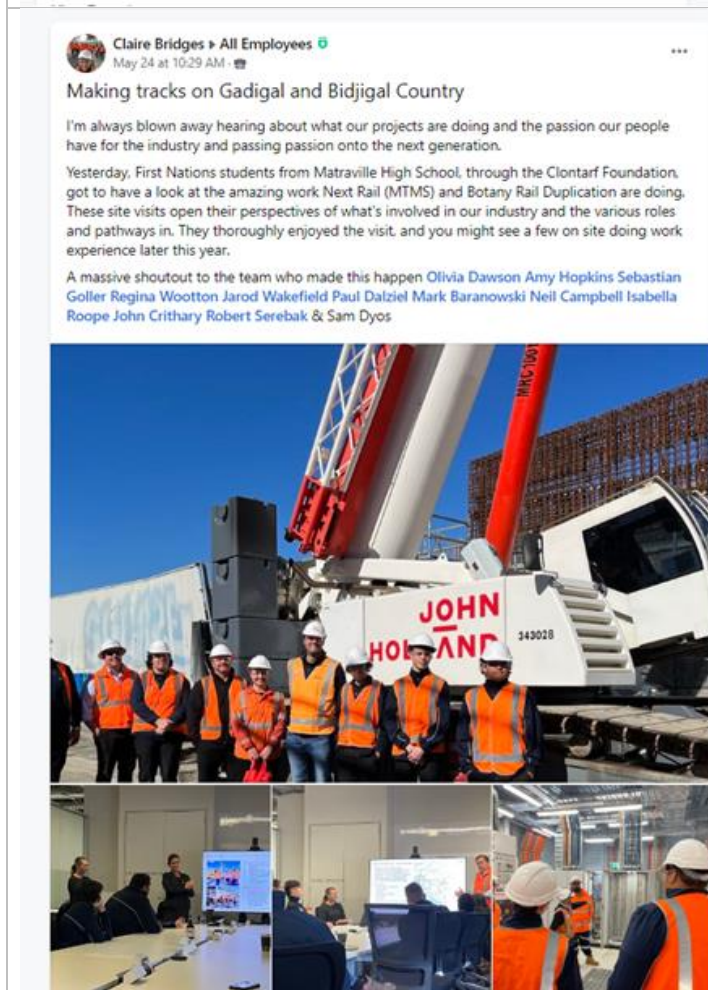
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Appendix G. Audit Photos



Interaction between Clontarf Foundation Super Training event with Matraville Sports High School to play sport and share breakfast with students on 24 March 2023. The purpose was to grow brand awareness, which leads to students having an interest in the industry and taking up STEM subjects at school.



First Nations students from Matraville High School through the Clontarf foundation were introduced to the Botany Rail Duplication via site visits in order to capture the industry itself, including various roles and pathways in. This activity occurred on the 23 May 2023. Photo included in Appendix G of this report



Correct shade cloth installed in General Holmes Drive



Waste accumulated in nominated bins. Disposal of waste is undertaken regularly



General Holmes Drive compound is clean, well maintained and free of dust. Potable water facilities in place.



No presence of accumulated dust on storage area at General Holmes Drive compound.



Materials are stored and segregated appropriately at General Holmes Drive compound



Parking allocated at General Holmes Drive compound is organised, delineated and well maintained.



Rumble grid installed and maintained in excellent way,



No evidence of plant or equipment on compounds generating excessive fumes/visual emissions, Plant on site is not left idling and are switched off when they are not in use,



No signs of excessive dust deposition outside the construction areas, including adjacent roads.



Shade cloth installed and extended along the boundary



Good delineation of compounds, appropriately flagging installed for pedestrian use



No signs of dust deposition within the construction areas including site facilities



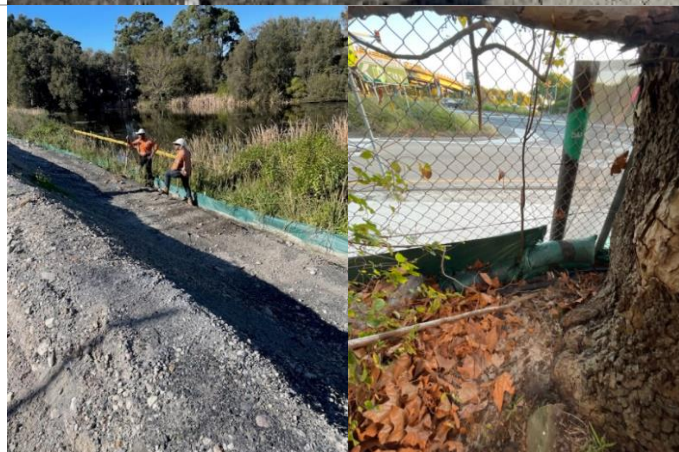
Silt curtains including appropriate environmental erosion and sedimentation controls installed along Mill Pond



There is no dust deposition identified on vegetation or sensitive receptor areas including Mill Pond compound,



Stockpiles labelled appropriately. Survey picked up of the floor is 7.5RL. Top of pile is 9.9RL. The height of the stockpile is approx. 2.4m and compliant



Erosion and sedimentation controls in place. Maintenance is undertaken regularly at all compounds



Exposed areas of earth including batters are being managed appropriately to prevent airborne dust at Botany Triangle. Water cart in place at all times