

# SITE ESTABLISHMENT MANAGEMENT PLAN

## Document and Revision History

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## Management reviews

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## Definitions and Abbreviations

| Term/Abbreviation | Definition   |
|-------------------|--|
| CEMP              | Construction Environmental Management Plan                                       |
| CoA               | Conditions of Approval issued by the NSW Minister for Planning and Public Spaces |
| CSSI              | Critical State Significant Infrastructure  |
| CNVMP             | Construction Noise and Vibration Management Plan                                 |
| CSWMP             | Construction Soil and Water Management Plan                                      |
| CTTMP             | Traffic, Transport and Access Management Plan                                    |
| DPE               | NSW Department of Planning and Environment                                       |
| EIS               | Botany Rail Duplication Project Environmental Impact Statement                   |
| EPA               | NSW Environment Protection Authority   |
| EMS               | Environmental Management System  |
| EP&A Act          | <i>Environmental Planning and Assessment Act 1979 (NSW)</i>                      |
| ESCP              | Erosion and Sediment Control Plan  |
| ICNG              | Interim Construction Noise Guideline   |
| JH                | John Holland   |
| POEO Act          | <i>Protection of the Environment Operations Act 1997 (NSW)</i>                   |
| Project           | Botany Rail Duplication  |
| SEP               | Site Environmental Plan  |
| SEMP              | Site Establishment Management Plan (this document)                               |
| TCP               | Traffic Control Plan   |



## 1. Introduction

### 1.1 Context

This Site Establishment Management Plan (SEMP) relates to the Botany Rail Duplication Project (the Project) and has been prepared in accordance with Minister's Condition of Approval (CoA) A16.

### 1.2 Background

The Project EIS assessed the impacts of construction and operation of the Project and included a description of the construction ancillary facilities, within Section 7.1 and Section 7.2.1. Ancillary facilities were identified in the EIS as being required to deliver the Project.

ARTC produced a Consistency Assessment (CA) for the Mill Stream Work Area and Access, to include additional lands detailed in the Project Lot boundary but outside of the approved boundary detailed in the EIS. This SEMF has included the additional land detailed in the CA as part of the overarching assessment for the Mill Pond Ancillary Facility.

This SEMF is to be read in conjunction with the Project Construction Environmental Management Plan (and sub-plans) which provide details for the operation and management of the facilities.

### 1.3 Scope

The scope of this SEMF is to describe the environmental management practices and procedures which will be implemented for the establishment of the construction ancillary facilities.

## 2. Purpose and Objectives

### 2.1 Purpose

The purpose of this Plan is to outline the environmental management practices and procedures to be followed during establishment of ancillary facilities (determined by the ER not to be minor ancillary facilities) or expansion of a minor ancillary facility beyond the scope determined to be minor by the ER.

This plan has been provided for consultation to Bayside Council and TfNSW and will be submitted to the ER for approval one month prior to commencing establishment activities as required by CoA A16. Details of site establishment activities and potential environmental impacts are summarised in Section 4. Management of these potential environmental impacts are summarised in Appendix A.

Additional consultation has been carried out with Bayside Council for the King Street Ancillary Facility which requires temporary closure of King Street/Council areas. Details of this consultation are included in Appendix C.

Definitions relevant to the SEMF included in the SSI 9714 Instrument of Approval are provided in Table 1 below.

**Table 1: Definitions under SSI 9737**

| Term                                   | Definition  |
|--|---|
| <b>Construction ancillary facility</b> | A temporary facility for construction of the CSSI including an office and amenities compound, construction compound, material crushing and screening plant, materials storage compound, maintenance workshop, testing laboratory and material stockpile area. |
| Major Construction Ancillary Facility  | A construction ancillary facility not being a minor construction ancillary facility.  |
| Minor Construction Ancillary Facility  | Lunch sheds, office sheds, portable toilet facilities and the like<br>And located within the Construction Boundary (A18)  |

### 2.2 Services/ Utilities

Site establishment works will require essential services including power, water, communication and sewer to each of the site ancillary facilities. JH will connect to existing services at the nearest suitable location in consultation with the service providers. In the event existing services cannot be utilised, or require to be supplemented, pump out sewer systems and/or generators would be used. Where initial

site establishment has been carried out under a Minor Ancillary Facility approval, essential service connections may be established prior to the submission of this SEMP.

Protection, adjustment or removal of existing utility assets to enable site establishment activities will be undertaken during site establishment.

### **2.3 Environmental performance outcomes and program for monitoring**

The following performance outcomes in Table 2 have been established for the activity to meet CoA A16(d)(i) of the approval. These are derived from those listed in Chapter 24.4 of the EIS.



**Table 2: Environmental objectives and targets**

| No. | Performance outcome<br>(as identified in Chapter 24 of the EIS)  | How addressed   |
|-----|--|---|
| 1   | <p>Transport and traffic</p> <ul style="list-style-type: none"> <li>• Meeting the forecast demand for container freight transport on the Botany Line</li> <li>• Encouraging a shift in freight transport from road to rail, supporting a reduced rate of growth in truck movements and associated traffic congestion</li> <li>• Minimising impacts on the local and regional network during construction</li> <li>• Maintaining motorist, pedestrian and cyclist safety</li> <li>• Maintaining safe access to properties.</li> </ul> | <p>Implement the environmental safeguards TT1 –TT10 (Appendix B)</p>                |
| 2   | <p>Noise and vibration - amenity</p> <ul style="list-style-type: none"> <li>• Controlling noise and vibration at the source</li> <li>• Controlling noise and vibration on the source to receiver transmission path</li> <li>• Controlling noise and vibration at the receiver</li> <li>• Implementing practicable and reasonable measures to minimise the noise and vibration impacts of construction activities on local sensitive receivers.</li> </ul>  | <p>Implement the environmental safeguards NV1 – NV7 (Appendix B)</p>                |
| 3   | <p>Noise and vibration - structural</p> <ul style="list-style-type: none"> <li>• Controlling vibration at the source</li> <li>• Controlling vibration on the source to receiver transmission path</li> <li>• Implementing practicable and reasonable measures to minimise vibration impacts during construction and operation.</li> </ul>  |   |
| 4   | <p>Heritage</p> <ul style="list-style-type: none"> <li>• The project is designed to minimise the surface footprint.</li> <li>• The design is sympathetic to the heritage significance of surrounding listed heritage items and, where practicable, avoids and minimises impacts on heritage.</li> <li>• Impacts on heritage are managed in accordance with relevant legislation, including the EP&amp;A Act, the <i>Heritage Act 1977</i> and relevant guidelines.</li> </ul>  | <p>Implement the environmental safeguards H1 – H2 (Appendix B)</p>                  |
| 5   | <p>Biodiversity</p> <ul style="list-style-type: none"> <li>• The project is designed to minimise impacts on biodiversity. Where practicable, the design minimises the need to clear vegetation and recommends offsets where vegetation loss cannot be avoided.</li> <li>• The project would minimise further impacts on biodiversity through the implementation of relevant mitigation measures.</li> <li>• Potential impacts on biodiversity are managed in accordance with relevant legislation.</li> </ul>                        | <p>Implement the environmental safeguards B1 – B3 (Appendix B)</p>                  |
| 6   | <p>Flooding</p>  | <p>Implement the environmental safeguards SW1 – SW7 (Appendix B) as applicable.</p> |

| No. | Performance outcome<br>(as identified in Chapter 24 of the EIS)   | How addressed  |
|-----|---|--|
|     | <ul style="list-style-type: none"> <li>Construction is undertaken in a manner that minimises the potential for adverse flooding impacts, through the implementation of mitigation measures.</li> <li>During operation the project would have no significant impact on the extent of the floodplain or its hazard categorisation. Changes in flooding patterns would not result in a significant change to the Flood Planning Area or the future development potential of land located outside the project footprint, or the social and economic costs of flooding.</li> </ul>   |  |
| 7   | <p>Water-Hydrology</p> <ul style="list-style-type: none"> <li>Construction compounds and work areas are laid out such that flows are not significantly impeded.</li> <li>Some minor material within Mill Stream would be excavated and scour protection constructed along the eastern and western banks of Mill Stream. The project avoids long term impacts on surface water.</li> <li>Groundwater drawdown impacts during both construction and operation is considered negligible.</li> <li>No Groundwater Dependent Ecosystems are present in the project site or would be affected by the project.</li> <li>During operation, negligible change to the existing conditions is expected.</li> <li>Opportunities to reuse water resources are achieved during the design process and the use of water during construction is minimised.</li> </ul> | Implement the environmental safeguards SW1 – SW7 (Appendix B) as applicable. |
| 8   | <p>Water Quality</p> <ul style="list-style-type: none"> <li>Impacts on water quality are minimised during construction and operation.</li> <li>Erosion and sediment controls during construction are implemented in accordance with <i>Managing Urban Stormwater: Soils and Construction Volume 1</i> (Landcom, 2004) and <i>Managing Urban Stormwater: Soils and Construction Volume 2</i> (DECC, 2008a).</li> <li>The project will protect or contribute to achieving the Water Quality Objectives, during construction and operation.</li> <li>Construction water quality discharge will comply with the requirements of ARTC's management plans.</li> </ul>   | Implement the environmental safeguards SW1 – SW7 (Appendix B) as applicable  |
| 9   | <p>Soils</p> <ul style="list-style-type: none"> <li>Site-specific soil characteristics are taken into consideration during detailed design and construction.</li> <li>Any contamination is managed in accordance with relevant regulatory requirements.</li> <li>Any soil waste is assessed, classified, managed and disposed of in accordance with the <i>Waste Classification Guidelines</i> (EPA, 2014a).</li> </ul>   | Implement the environmental safeguards SW1 – SW7 (Appendix B) as applicable  |
| 10  | <p>Air Quality</p> <ul style="list-style-type: none"> <li>The project is constructed and operated in accordance with the requirements of the <i>Protection of the Environment Operations Act 1997</i> and ARTC's existing environmental management system.</li> <li>Potential impacts would result from the generation of dust from construction works. Air quality impacts are expected to be minor and manageable through established mitigation and management measures.</li> <li>Impacts from odour are not anticipated.</li> <li>Operational air quality impacts are not anticipated for any pollutants. Operational air quality impacts from the project were not deemed to be significant.</li> </ul>  | Implement the environmental safeguards AQ1 – AQ15 (Appendix B)               |



| No. | Performance outcome<br>(as identified in Chapter 24 of the EIS)   | How addressed   |
|-----|---|---|
|     | <ul style="list-style-type: none"> <li>Air quality impacts are not considered to be of significance or of concern in relation to community health.</li> </ul>   |   |
| 11  | <p>Health and Safety</p> <ul style="list-style-type: none"> <li>Construction targets zero safety incidents.</li> <li>Dust, odour and other emissions will be effectively managed to avoid human health impacts.</li> <li>Noise will be managed to comply with relevant criteria and minimise the potential for health impacts.</li> </ul>   | Implement the environmental safeguards HSH1 – HSH2 (Appendix B)                 |
| 12  | <p>Hazards and Risks</p> <ul style="list-style-type: none"> <li>All dangerous goods are stored, handled and transported in accordance with relevant regulatory requirements and Australian Standards.</li> <li>Any works to utilities and high pressure pipelines will be in accordance with relevant regulatory requirements and Australian Standards.</li> <li>There will be no impacts on the operations of Sydney Airport. Any short term intrusion into the airspace will involve consultation with Sydney Airport Corporation Limited and the relevant approval process followed.</li> </ul>  | Implement the environmental safeguards LVA1 – LVA4 and HSH1 – HSH2 (Appendix B) |
| 13  | <p>Socio-economic Land Use and Property</p> <ul style="list-style-type: none"> <li>During construction there would be temporary leasing of land for site compounds, the removal and replacement of advertising billboards, and disruptions to access of private properties in the vicinity of the project site.</li> <li>The design of the project minimises permanent land take outside of the rail corridor.</li> <li>Overall, the project is expected to result in long term social and economic benefits to local and Greater Sydney communities. These mainly relate increased rail freight efficiency and capacity across the regional and national freight network and less congestion on the road due to reduced freight movements made by trucks.</li> </ul> |   |
| 15  | <p>Waste</p> <ul style="list-style-type: none"> <li>Suitable spoil will be recycled or reused.</li> <li>Off-site waste re-use will be managed in accordance with relevant NSW EPA resource recovery exemptions and requirements.</li> <li>Waste will be disposed of at appropriately licensed facilities.</li> </ul>  | Implement the environmental safeguards W1 – W4 (Appendix B)                     |

### 3. Environmental Requirements

#### 3.1 Conditions of approval

Condition A16 of SSI 9714 (NSW) requires the development of a Site Establishment Management Plan (SEMP) prior to the establishment of major ancillary facilities.

Table 3 provides an overview of compliance.

**Table 3: Site Establishment Management Plan requirement as per Condition A16.**

| CoA     | Requirement  | How addressed   | Reference                             |
|---------|--|---|---------------------------------------|
| A16     | Before establishment of a major construction ancillary facility(ies) (excluding minor construction ancillary facilities established under <b>Condition A18</b> ), the Proponent must prepare a <b>Site Establishment Management Plan</b> which outlines the environmental management practices and procedures to be implemented for the establishment of the construction ancillary facility(s). The <b>Site Establishment Management Plan</b> 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 <b>Site Establishment Management Plan</b> must detail the management of the establishment of ancillary facilities and include: | This document describes how JH propose to meet this requirement during the establishment of major ancillary facilities.<br><br>It will be submitted for approval, in accordance with this condition.  | This Plan<br><br>Section 9.2          |
| A16 (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);   | Section 4.2 describes site establishment activities to be undertaken .  | Section 4.2<br>Table 5<br>and Table 6 |
| A16(b)  | figures illustrating the proposed site layout;   | Section 4.1 provides indicative site layout plans.  | Figures 1-4                           |
| A16(c)  | a program for ongoing analysis of the key environmental risks arising from the site establishment activities described in subsection (a) of this condition, including an initial risk assessment undertaken prior to the commencement of site establishment works;   | A risk assessment has been prepared for this specific activity, the ongoing risk analysis is provided in the CEMP.<br><br>Monitoring is also discussed in Section 8   | Table 10<br>Section 5.1               |
| A16(d)  | details of how the site establishment activities described in subsection (a) of this condition will be carried out to:<br><br>(i) meet the performance outcomes stated in the documents listed in the documents listed in <b>Condition A1</b> , and<br><br>(ii) manage the risks identified in the risk analysis undertaken in subsection (c) of this condition; and   | The performance outcomes presented in Table 2 and are derived from, the environmental performance outcomes listed in Chapter 24.4 of the EIS. The Project has also established a program for monitoring to ensure the performance outcomes have been met.<br><br>The risks outlined in Table 10 will be managed in accordance with measures outlined in Appendix B. | Table 2<br>Table 10<br>Appendix B     |
| A16(e)  | a program for monitoring the performance outcomes, including a program for construction noise monitoring consistent with the requirements of <b>Condition C9</b> .   | Section 8 outlines the program for monitoring the performance outcomes.   | Section 8                             |

| CoA | Requirement   | How addressed | Reference |
|-----|---|---------------|-----------|
| A16 | Nothing in this condition prevents the Proponent from preparing individual <b>Site Establishment Management Plans</b> for each major construction ancillary facility. | Noted         | Noted     |

Operation will be undertaken in accordance with the Construction Environmental Management Plan (CEMP) and associated sub-plans to meet CoA A17.



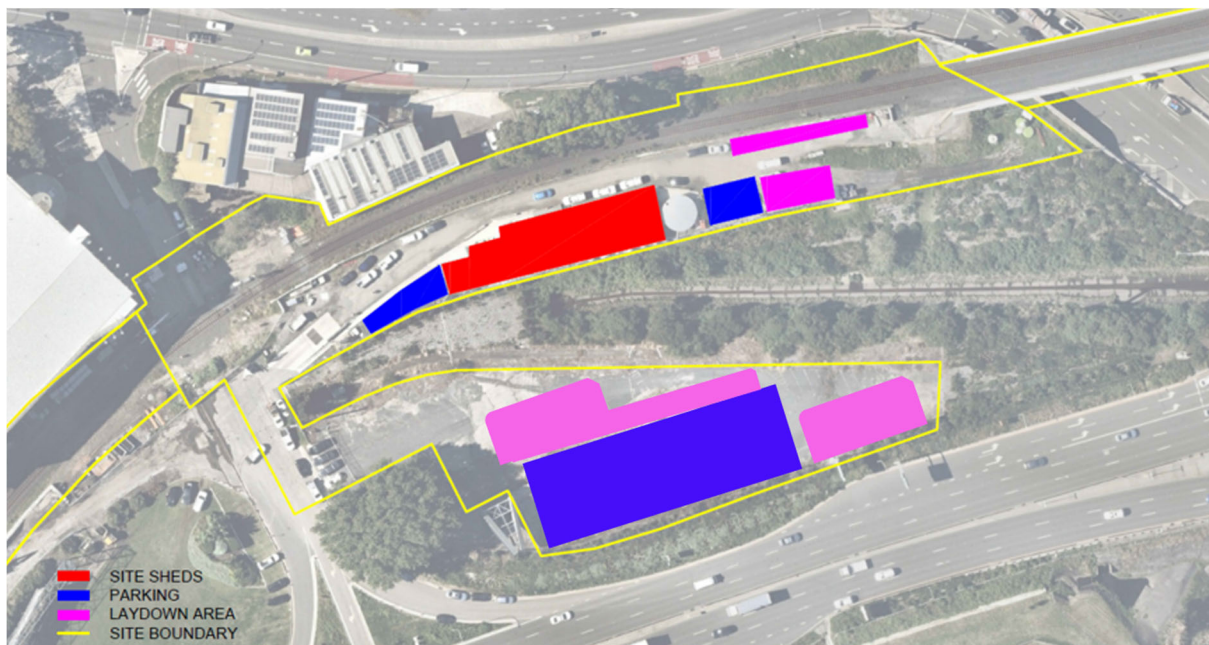
## 4. Site Establishment Approach

### 4.1 Proposed major ancillary site

The ancillary facilities included in this SEMP, required to support the project are presented in detailed in Table 4.

**Table 4: Ancillary Facilities**

| Site                 | Current Status           | Establishment Activities   |
|----------------------|--------------------------|--|
| General Holmes Drive | Minor Ancillary Facility | Additional laydown, stockpiling and parking areas to be constructed                    |
| Botany Triangle      | Minor Ancillary Facility | Additional laydown, stockpiling and parking areas to be constructed                    |
| Mill Pond            | -                        | Site amenities, laydown and stockpiling areas to support Mill Pond Bridge construction |
| Banksia              | Minor Ancillary Facility | Additional storage, laydown, stockpiling and parking areas to be constructed           |
| King Street          | -                        | Laydown area, site sheds and facilities.   |



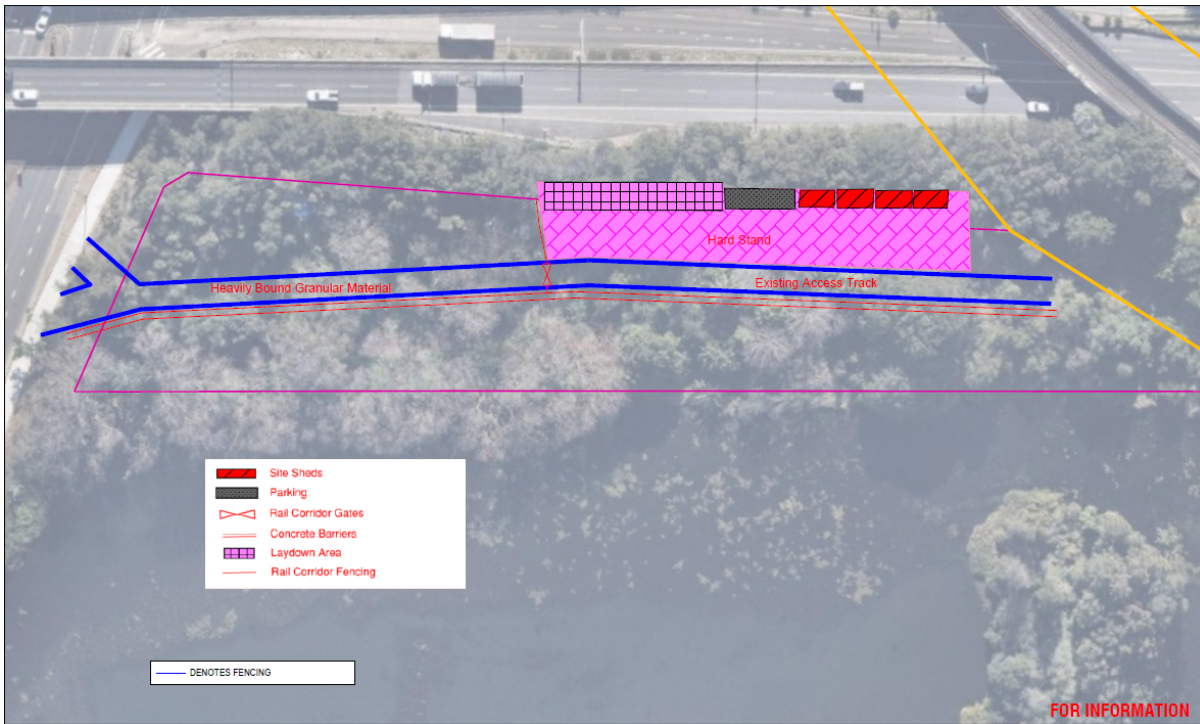
Note : Laydown, and parking areas are indicative of the site establishment activities and requirements. Changes to the use of these areas will be managed under the CEMP/SYD requirements during construction to support the works.

**Figure 1: GHD Ancillary Facility**



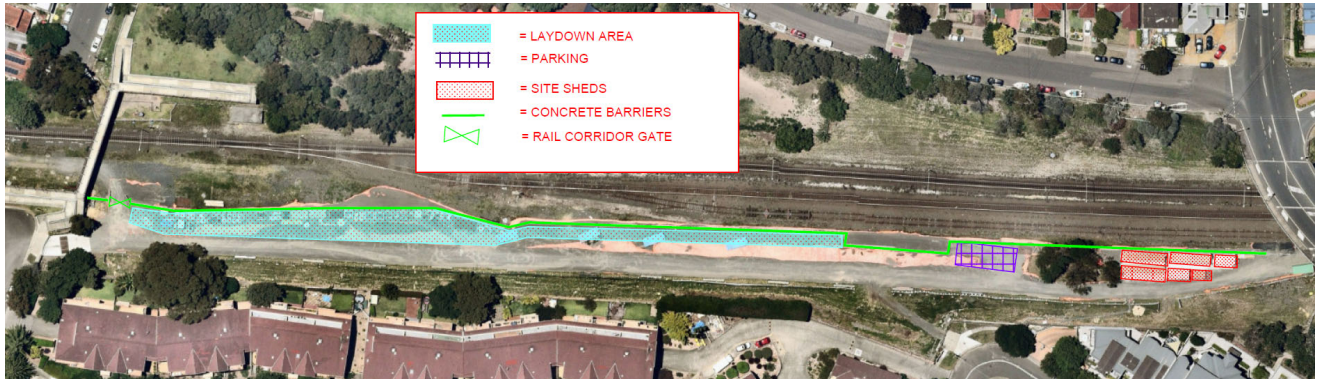
Note: Laydown, and parking areas are indicative of the site establishment activities and requirements. Changes to the use of these areas will be managed under the CEMP during construction to support the works.

**Figure 2: Botany Triangle Ancillary Facility**



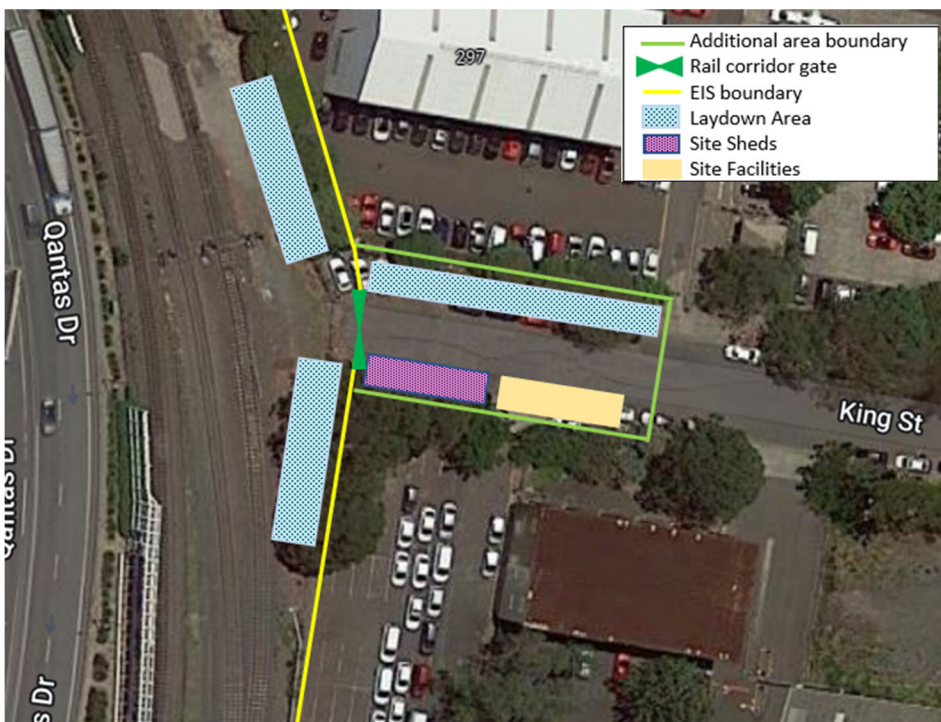
Note: Laydown, and parking areas are indicative of the site establishment activities and requirements. Changes to the use of these areas will be managed under the CEMP during construction to support the works.

**Figure 3: Mill Pond Ancillary Facility**



Note: Laydown, and parking areas are indicative of the site establishment activities and requirements. Changes to the use of these areas will be managed under the CEMP during construction to support the works.

**Figure 4: Banksia Ancillary Facility**



Note: The additional area not included in the EIS assessment has been reviewed for compliance with CoA A15 and are presented in Appendix D, Note 1: Laydown and site shed areas are indicative of the site establishment activities and requirements. Changes to the use of the areas will be managed under the CEMP during construction to support the works.

**Figure 5: King Street Ancillary Facility**

#### 4.2 Site Establishment activities

Proposed activities which would be undertaken as part of this plan are detailed in Table 5.

**Table 5: Site establishment activities**



| Activity   | Description  | Indicative Plant  |
|--|--|---|
| Site preparation works/Expansion of Minor Ancillary Facility | <ul style="list-style-type: none"> <li>• Provision of site security including:               <ul style="list-style-type: none"> <li>○ temporary fencing panels and perimeter fencing.</li> <li>○ Project specific boundary screening installation (where applicable).</li> </ul> </li> <li>• Provision of minimum WHS requirements to enable long-term ancillary facility installation including:               <ul style="list-style-type: none"> <li>○ Toilet facilities.</li> <li>○ Offices.</li> <li>○ Lunchrooms.</li> <li>○ First aid facilities.</li> <li>○ Installation of traffic barriers for delineation with operational railway</li> <li>○ Set-up of access routes and traffic control</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Delivery truck</li> <li>• Hand tools</li> <li>• Grinders</li> <li>• Generators</li> <li>• Hi-Ab</li> <li>• Franna Crane</li> </ul>   |
| Initial environmental controls <sup>1</sup>                  | <ul style="list-style-type: none"> <li>• Erosion and sediment controls in accordance with site erosion and control plans which may include controls such as:               <ul style="list-style-type: none"> <li>○ Controls such as sandbags, sediment fencing.</li> </ul> </li> <li>• Delineation of sensitive areas and installation of temporary fencing/hoardings.</li> <li>• Implementation of rumble grids.</li> <li>• During laydown construction at Mill Pond, surface water flows will be diverted away from Mill Pond. This will be reflected in the Erosion and Sediment Control Plan (ESCP).</li> <li>• Maintain vegetation along the interface area with Mill Pond within the compound area.</li> </ul>      | <ul style="list-style-type: none"> <li>• Excavator (&lt;14 tonne)</li> <li>• Vacuum Truck</li> <li>• Bogie Truck</li> <li>• Tool Truck</li> <li>• Hand Tools</li> <li>• Generators</li> </ul>   |
| Surface preparation  | <ul style="list-style-type: none"> <li>• Clearing and grubbing of overgrown vegetated areas on site,</li> <li>• Site levelling, grading and compaction which will involve the use of rollers.</li> <li>• Stockpiling of materials associated with the activity, including stabilisation of stockpiles where a stockpile is not actively worked beyond 28 days.</li> <li>• Note vegetation clearance will be carried out as part of the construction programme as detailed in the CEMP.</li> </ul>  | <ul style="list-style-type: none"> <li>• Excavator (&lt;14 tonne)</li> <li>• Skid Steer</li> <li>• EWP</li> <li>• Rollers</li> <li>• Bogie Truck</li> <li>• Power Tools</li> <li>• Generators</li> <li>• Water Cart</li> </ul>  |
| Hardstand and site access                                    | <ul style="list-style-type: none"> <li>• Formalisation of access and egress points (at King Street, temporary access points will be adopted for the additional area)</li> <li>• Implementing hardstand at access gates and laydown areas including importation of material.</li> <li>• Spray sealing of hard stand areas, which will involve the use of rollers. Sealing areas will prevent mud tracking on local roads.</li> </ul>  | <ul style="list-style-type: none"> <li>• Excavator</li> <li>• Skid Steer</li> <li>• Rollers</li> <li>• Bogie Truck</li> <li>• Power Tools</li> <li>• Generators</li> <li>• Concrete Truck</li> <li>• Plate Compactors</li> <li>• Water cart</li> </ul>                                  |
| Utilities  | <ul style="list-style-type: none"> <li>• Installation of services to the site including. Water, sewer, power, internet, and security systems. Installation of services will be done above ground to ensure the landfill capping layer is not breached.</li> <li>• Where possible, connection of site utilities (water, sewer, and power) to existing infrastructure.</li> <li>• This work will involve the use of power saws for cutting curbs/footpath structures and concrete and jackhammers to remove concrete</li> </ul>  | <ul style="list-style-type: none"> <li>• Excavator with hydraulic hammer</li> <li>• EWP</li> <li>• Vacuum Truck</li> <li>• Bogie Truck</li> <li>• Hand Tools</li> <li>• Grinders</li> <li>• Generators</li> <li>• Plate Compactors</li> <li>• Water Cart</li> <li>• Road Saw</li> </ul> |
| Installation of offices and amenities                        | <ul style="list-style-type: none"> <li>• Layout, e.g. Blockwork and foundations, completed for office installation.</li> <li>• Installation of office buildings and shipping containers.</li> <li>• Installation of staff amenities.</li> </ul>  | <ul style="list-style-type: none"> <li>• Franna Crane</li> <li>• Slew Crane &lt;100t</li> <li>• EWP</li> <li>• Concrete Truck</li> <li>• Hand Tools</li> <li>• Power Saw</li> <li>• Grinders</li> <li>• Generators</li> </ul>   |

|  |  |              |
|--|--|--------------|
|  |  | • Water Cart |
|--|--|--------------|

Note 1: Sites approved as Minor Ancillary Facilities have environmental controls installed as part of the initial site establishment process.

### 4.3 Indicative program

An indicative program is detailed below in Table 6 including proposed start and end duration for activities. Where controls have been established under a MAF approval (with no further changes proposed under this plan) these activities have been excluded from the program.

Key site establishment works/expansion of existing Minor Ancillary Facilities are scheduled to commence in March 2022 (subject to approval of this Plan). Site establishment activities will be undertaken in accordance with this SEMP until the establishment is complete. Once the facilities are established and the Project is in the construction phase, operation of the facilities (including any modifications) will be managed under the CEMP.

On completion of the Project, the ancillary facilities will be removed and areas restored to pre-construction condition or to a condition agreed with the relevant stakeholders. Details of this process will be detailed in the CEMP.





**Table 6: Indicative Program for Compounds**

|   | Program (months) |        |        |        |        |        |        |        |        | Duration (weeks) |
|---|------------------|--------|--------|--------|--------|--------|--------|--------|--------|------------------|
|   | Mar-22           | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Nov-22 | Dec-22 | Jan-23 |                  |
| <b>General Holmes Drive Compound</b>                |                  |        |        |        |        |        |        |        |        |                  |
| Spray seal hardstand                                |                  |        |        |        |        |        |        |        |        | 4                |
| Utility connections                                 |                  |        |        |        |        |        |        |        |        | 4                |
| Stage 2   |                  |        |        |        |        |        |        |        |        | 4                |
| <b>Botany Triangle Compound</b>                     |                  |        |        |        |        |        |        |        |        |                  |
| Stockpile area establishment                        |                  |        |        |        |        |        |        |        |        | 4                |
| Laydown area establishment                          |                  |        |        |        |        |        |        |        |        | 4                |
| Utility connections                                 |                  |        |        |        |        |        |        |        |        | 4                |
| <b>Banksia</b>                                      |                  |        |        |        |        |        |        |        |        |                  |
| Installation of hard Stand                          |                  |        |        |        |        |        |        |        |        | 8                |
| Establishment of laydown area                       |                  |        |        |        |        |        |        |        |        | 8                |
| Stockpile Area                                      |                  |        |        |        |        |        |        |        |        | 8                |
| Installation of storage containers and office sheds |                  |        |        |        |        |        |        |        |        | 8                |
| Parking   |                  |        |        |        |        |        |        |        |        | 8                |
| <b>Mill Pond</b>                                    |                  |        |        |        |        |        |        |        |        |                  |



|   |  |  |  |  |  |  |  |  |  |   |
|---|--|--|--|--|--|--|--|--|--|---|
| Clearing  |  |  |  |  |  |  |  |  |  | 8 |
| Shed install*   |  |  |  |  |  |  |  |  |  | 8 |
| Laydown area  |  |  |  |  |  |  |  |  |  | 8 |
| Stockpile Area  |  |  |  |  |  |  |  |  |  | 8 |
| Parking   |  |  |  |  |  |  |  |  |  | 8 |
| Utility Connections                                   |  |  |  |  |  |  |  |  |  | 8 |
| <b>King Street</b>                                    |  |  |  |  |  |  |  |  |  |   |
| Temporary Road Closure and Site Hoarding Installation |  |  |  |  |  |  |  |  |  | 1 |

\*This activity will involve high noise intensive works intermittently (such as jack hammering)

Note 1: King Street is a temporary laydown/compound to be set-up at the start of January 2023 and remain in use for two months to support track works in Zone 5.



#### 4.4 Construction hours

Condition of Approval E14 sets standard working hours for the project:

- 7am – 6pm Monday to Friday, inclusive;
- 8am – 1pm Saturday; and
- At no time on Sundays or public holidays.

Site establishment activities broadly, would be undertaken within these times. Notwithstanding, due to the operational constraints (for example Sydney Airport/OLS or road network restrictions) it may not be possible to complete works during this time and out of hours (OOH) works would be undertaken. Any works outside of standard hours will be carried out in accordance with the requirements of the Project EPL21678, ARTC EPL 3142 and CoA.

The following activities are anticipated to be required for site establishment outside standard construction hours.

**Table 7: Indicative out of hours works for Ancillary Facilities**

| Activity   | Indicative Duration                          |
|--|--|
| Oversized deliveries Project wide (arrival to site only, unloading during standard hours)                            | Intermittent during establishment activities |
| Installation and crange of structures /equipment (eg demountables) which may impact OLS or Sydney Airport operations | Intermittent during establishment activities |
| New utility to connections to site compounds   | Intermittent during establishment activities |

Where OOH works are required, a OOHW Assessment and Permit will be implemented prior to the works as detailed in the Construction Noise and Vibration Management Plan (CNVMP).

## 5. Environmental Risk Management

### 5.1 Risk Assessment

The risk assessment for site establishment works is outlined in Table 10 below, it identifies the key site establishment activities, potential environmental impacts and risk ratings for that activity.

The activity specific site controls outlined have been developed to comply with the requirements from the Minister's Conditions of Approval (CoA) and Required Environmental Mitigation Measures (REMMs) as well as aligning to the risk assessment detailed in the CEMP. Management measures may include physical controls, procedures, forms, checklists, monitoring requirements, permits, etc.

A revised risk rating, assuming the controls nominated are implemented, is also included in the table. The risk rating is based on the likelihood and the consequence of the event occurring as detailed in Table 8 and Table 9.

**Table 8: Likelihood and Consequence Grades**

| Likelihood (probability and frequency of occurrence) |         |  | Consequence (outcome or severity of occurrence) |        |  |
|--|---------|--|---|--------|--|
| C  | Certain | <ul style="list-style-type: none"> <li>Common or repeating occurrence</li> <li>Consequence can reasonably be expected to occur in life of the Project</li> </ul> | 1   | Severe | <ul style="list-style-type: none"> <li>Major pollution incident causing significant and widespread damage or potential to health or the environment</li> <li>Persistent reduction in ecosystem function and value</li> <li>Ongoing disruption and loss of protected species</li> </ul> |

|   |          |   |   |            |   |
|---|----------|---|---|------------|---|
|   |          |   |   |            | <ul style="list-style-type: none"> <li>Major prosecution likely, outcome in excess of \$500,000</li> </ul>  |
| L | Likely   | <ul style="list-style-type: none"> <li>Known to have occurred / "has happened"</li> <li>Conditions may allow the consequence to occur on the Project during its lifetime</li> <li>The event has occurred within the Business Unit within the previous 5 years.</li> </ul> | 2 | Major      | <ul style="list-style-type: none"> <li>Significant widespread and persistent changes to habitat, species or environmental media</li> <li>Significant pollution incident causing damage or potential damage to health or the environment external to the site</li> <li>Potential for prosecution. Potential outcome between \$50,000 - \$500,000</li> <li>Numerous substantial complaints</li> <li>Actual material environmental harm</li> </ul> |
| P | Possible | <ul style="list-style-type: none"> <li>Could occur/heard of it happening</li> <li>Exceptional conditions may allow consequences to occur on the Project, or has occurred nationally within the Australian Business.</li> </ul>  | 3 | Moderate   | <ul style="list-style-type: none"> <li>Localised irreversible habitat loss or effects on habitat, species or environmental media</li> <li>Reportable incident to the relevant environmental regulator or other authority</li> <li>Demonstrated breach of legislative, licence, or guideline requirements</li> <li>Likely infringement notice or fine, potential for prosecution up to \$50,000</li> <li>Will cause complaints</li> </ul>        |
| U | Unlikely | <ul style="list-style-type: none"> <li>Not likely to occur</li> <li>Reasonable to expect that the consequence will not occur on the Project</li> <li>Has occurred in the industry but not in the Business Unit.</li> </ul>  | 4 | Minor      | <ul style="list-style-type: none"> <li>Localised degradation of habitat or short term impacts to habitat, species or environmental media</li> <li>Pollution incident that marginally exceeds licence conditions or guidelines for acceptable pollution.</li> <li>Unlikely fine or infringement notice</li> <li>Potential for complaints</li> </ul>  |
| R | Rare     | <ul style="list-style-type: none"> <li>Practically impossible</li> <li>Not known to have occurred in the industry or unheard of.</li> </ul>   | 5 | Incidental | <ul style="list-style-type: none"> <li>Localised or short term effects on habitat, species or environmental media</li> <li>Fully contained on-site and can be fully remediated.</li> <li>Little potential for fine or complaints</li> <li>Insignificant or trivial incident.</li> </ul>   |



**Table 9: Risk Rating Matrix**

|  |            | LIKELIHOOD  |          |          |          |          |          |     |   |        |          |          |          |          |          |
|--|------------|-------------|----------|----------|----------|----------|----------|-----|---|--------|----------|----------|----------|----------|----------|
|  |            | CONSEQUENCE | Certain  | Likely   | Possible | Unlikely | Rare     |     |   |        |          |          |          |          |          |
| <b>Risk ratings</b><br><table border="1"> <tr> <td><b>E</b></td> <td>Extreme</td> </tr> <tr> <td><b>H</b></td> <td>High</td> </tr> <tr> <td><b>M</b></td> <td>Medium</td> </tr> <tr> <td><b>L</b></td> <td>Low</td> </tr> </table> | <b>E</b>   | Extreme     | <b>H</b> | High     | <b>M</b> | Medium   | <b>L</b> | Low | 1 | Severe | <b>E</b> | <b>E</b> | <b>E</b> | <b>H</b> | <b>M</b> |
|  | <b>E</b>   | Extreme     |          |          |          |          |          |     |   |        |          |          |          |          |          |
|  | <b>H</b>   | High        |          |          |          |          |          |     |   |        |          |          |          |          |          |
|  | <b>M</b>   | Medium      |          |          |          |          |          |     |   |        |          |          |          |          |          |
|  | <b>L</b>   | Low         |          |          |          |          |          |     |   |        |          |          |          |          |          |
| 2  | Major      | <b>E</b>    | <b>E</b> | <b>H</b> | <b>M</b> | <b>M</b> |          |     |   |        |          |          |          |          |          |
| 3  | Moderate   | <b>H</b>    | <b>H</b> | <b>M</b> | <b>M</b> | <b>L</b> |          |     |   |        |          |          |          |          |          |
| 4  | Minor      | <b>M</b>    | <b>M</b> | <b>M</b> | <b>L</b> | <b>L</b> |          |     |   |        |          |          |          |          |          |
| 5  | Incidental | <b>M</b>    | <b>L</b> | <b>L</b> | <b>L</b> | <b>L</b> |          |     |   |        |          |          |          |          |          |

**Table 10: Site establishment Risk Assessment**

| Activity           | Key potential impacts  | Risk level prior to mitigation | Mitigation measures   | Risk level following mitigation |
|--------------------|--|--------------------------------|---|---------------------------------|
| Site Establishment | Generation of dust as a nuisance to the community  | <b>D</b>                       | <ul style="list-style-type: none"> <li>Activities with potential to generate dust will be modified or ceased during unfavourable weather</li> <li>Storage of materials with the potential to result in dust will be minimised and managed appropriately (e.g. Stockpiles will be covered)</li> <li>Access roads will be maintained and managed to reduce dust generation</li> <li>During high wind and/or dry conditions, programming of dust generating activities will be considered to reduce impacts to sensitive receivers</li> </ul>  | <b>E</b>                        |
|                    | Sediment tracking of mud on public roads   | <b>D</b>                       | <ul style="list-style-type: none"> <li>Site exit points will be fitted with hardstand material, wheel washes and/or rumble grids as soon as possible to limit the amount of material transported off site</li> <li>Streetsweepers will be used (where required) to manage sediment tracking</li> </ul>  | <b>E</b>                        |
|                    | Inappropriate disposal of waste (including vegetation and hazardous/special waste) or disposal at an unlicensed waste facility | <b>B</b>                       | <ul style="list-style-type: none"> <li>All on site personnel will undergo a site induction that will detail waste and resource management measures</li> <li>Additional targeted toolbox talks will be given on waste disposal from time to time</li> <li>Asbestos inspections/emu pick will be undertaken prior to site establishment works</li> <li>Suitably licensed waste contractors will be used for the collection and transport of wastes and unsuitable fill material for offsite disposal to an appropriately licensed facility. Receipts for waste transfer and disposal will be checked to ensure all details are correct and retained for audit purposes</li> <li>Site inspections undertaken on a regular basis to ensure disposal practices are being adhered to.</li> </ul>  | <b>C</b>                        |
|                    | Loss of a heritage item while undertaking site establishment works.  | <b>B</b>                       | <ul style="list-style-type: none"> <li>An Unexpected Finds Procedure will be established and implemented for areas not considered to contain archaeological potential for local or state significant remains</li> <li>If unforeseen Indigenous objects are uncovered during construction, works within the vicinity of the find would cease immediately. The Contractor would immediately notify the JH Project Manager and JH Environment Manager so they can assist in co-ordinating next steps which are likely to involve consultation with an Aboriginal heritage consultant, ARTC and the Local Aboriginal Land Council.</li> <li>If human remains are found, work would cease, the site secured and the NSW Police and DPE notified.</li> <li>Where required, further archaeological investigations and an Aboriginal Heritage Impact Permit would be obtained prior to works recommencing at the location.</li> </ul> | <b>C</b>                        |

| Activity | Key potential impacts  | Risk level prior to mitigation | Mitigation measures  | Risk level following mitigation |
|----------|--|--------------------------------|--|---------------------------------|
|          |  |                                | <ul style="list-style-type: none"> <li>Establishment of protective barriers and/or pads around locally and state significant elements including bridges, Botany Swamp and associated vegetation to reduce impacts to fabric</li> <li>The location of subsurface excavations will be designed, where possible to avoid areas containing low or moderate potential for State and locally significant heritage.</li> </ul>  |                                 |
|          | Noise and vibration impacts to sensitive receivers   | C                              | <ul style="list-style-type: none"> <li>Community updates will be provided throughout the site establishment works</li> <li>Minimise out of hours works where practicable</li> <li>Noise mitigation measures identified in the CNVMP to be implemented</li> </ul>   | D                               |
|          | Traffic and parking impacts on local roads due to site access arrangements   | B                              | <ul style="list-style-type: none"> <li>Scheduling deliveries outside of peak traffic</li> <li>Minimise construction vehicle parking on public roads by establishing parking on site (where practicable)</li> <li>Queuing and idling of construction vehicles in residential streets to be avoided</li> <li>Measurements identified in the relevant Traffic Control Plan (TCP) will be implemented for each ancillary facility/construction compound which requires direct access/egress onto the local/arterial road network</li> </ul>  | D                               |
|          | Contamination of soil or water due to a spill or leak from plant/equipment   | B                              | <ul style="list-style-type: none"> <li>Hazardous substance handling and use will be conducted away from drainage or stormwater lines and, wherever possible, within defined bunds</li> <li>Any refuelling undertaken on site will be undertaken in designated areas only, outside riparian areas and well away from drainage or stormwater inlets</li> <li>Any spills or leakages will be immediately contained and absorbed</li> <li>Spill kits will be placed at all site locations</li> </ul>   | D                               |
|          | Potential clearing of vegetation outside the Project boundary or within the PCT prior to retiring of credits         | C                              | <ul style="list-style-type: none"> <li>Daily pre-start outlining the vegetation areas to be cleared</li> <li>All site personnel to undertake a site induction outlining that no vegetation or tree removal will be undertaken without prior approval/pre-clearing inspection and permit</li> <li>An ecologist will undertake an assessment for clearing of vegetation and the need for offsetting (in accordance with the requirements of the CoA)</li> </ul>  | E                               |
|          | Spreading of noxious weeds via personnel, plant, equipment, topsoil  | C                              | <ul style="list-style-type: none"> <li>Targeted toolbox talks regarding the location and treatment of weeds</li> <li>A weed protocol will be produced (included in the CEMP) and implemented to prevent the spread of chytrid fungus on the site</li> <li>Project induction to include information on the biodiversity requirements for the works area</li> <li>Disturbance of vegetation to be limited to the minimum necessary to construct the works</li> <li>Where practicable, laydown and storage areas will be located in previously cleared areas or areas of exotic vegetation</li> </ul>   | E                               |
|          | Erosion and sedimentation impacting downstream waterways due to exposed land, inadequate controls or control failure | C                              | <ul style="list-style-type: none"> <li>Erosion and sediment control plans will be prepared for all work and implemented before and during disturbance. All plans will be approved by an Environmental Advisor</li> <li>All on site personnel will undergo a site induction and ongoing toolbox talks that will detail erosion and sediment control management measures</li> <li>A soil conservation specialist will be engaged if relevant to provide advice regarding erosion and sediment control</li> <li>Hardstand areas and surrounding public roads will be cleaned as required using methods such as brooms, bobcat attachments or street sweepers</li> </ul> | E                               |

## 6. Summary of potential environmental impacts

### 6.1 Traffic and Transport

### 6.1.1 Parking and Access

Under CoA E47, a road dilapidation report will be prepared by a suitably qualified person for local roads which would be used by heavy vehicles a minimum of two weeks prior to the road being used by heavy vehicles.

The proposed site access for both light and heavy vehicles (as detailed in the EIS) are presented in Table 11 for establishment activities.

A spotter will be used to assist heavy vehicle movements where required with access/egress at entry/exit gates occurring under traffic control (or similar device).

The following measures would be implemented on-site to manage impacts:

- Trucks must give way to pedestrians and other vehicles in the roadway.
- Trucks must watch for vehicles exiting from driveways.

Additional mitigation measures including worker parking requirements have been included in the Construction Traffic, Transport and Access Management Plan (CTTAMP).

**Table 11: Site access routes**

| Ancillary facility   | Vehicle type   | Access                | Vehicle Numbers | Daily |
|----------------------|----------------|-----------------------|-----------------|-------|
| General Holmes Drive | Light vehicles | General Holmes Drive  | 53-88           |       |
|                      | Heavy vehicles |                       | 0-36            |       |
| Botany Triangle      | Light vehicles | Botany Road           | 3-7             |       |
|                      | Heavy vehicles |                       | 4-20            |       |
| Mill Pond            | Light vehicles | Botany Road           | 3-7             |       |
|                      | Heavy vehicles |                       | 10-26           |       |
| Banksia              | Light vehicles | Banksia/Morgan Street | 18 - 35         |       |
|                      | Heavy vehicles |                       | 14              |       |
| King Street          | Light vehicles | King Street           | 1-3             |       |
|                      | Heavy vehicles |                       | 8-28            |       |

Ancillary facilities will be enclosed or fenced from public areas to prevent unpermitted access.

### 6.1.2 Public Transport

Public transport will not be impacted by establishment of the ancillary facilities.

### 6.2 Air Quality

Several site establishment activities have been identified as having the potential for dust emissions including:

- Site Levelling: Capping and levelling of areas or the establishment of site access points.
- Installation of site offices and workshops: the provision of new structures, or modification or refurbishment of existing structures.
- Tracking: the transport of dust and dirt from the site onto the public road network from construction vehicles. These materials may then be deposited and re-suspended by vehicles using the network.

Environmental safeguards have been recommended to mitigate the effects of establishment works on local air quality at the nearest receptors, including carrying out inspections, stabilising disturbed ground and exposed soils, and using water to suppress dust. With these environmental safeguards in place air quality is anticipated to have a minimal impact.

### **6.3 Noise and vibration**

Proposed site establishment works may result in potential noise and vibration impacts due to heavy machinery, hammering on hardstands/slabs, and disposal of waste.

The CNVMP details the process for assessing impacts at the nearest noise sensitive receivers and likely mitigation measures to be implemented including production of noise assessments for out of hours works. Where noisy works are required OOH for site establishment, these works will be completed by 10:30pm to minimise impacts to surrounding receivers.

The nearest receivers will likely experience audible construction noise when typical proposed site establishment activities are occurring in particular at Banksia compound where there are adjacent residential buildings.

### **6.4 Visual amenity**

#### **6.4.1 Visual screening and light spill**

Ancillary facilities will be constructed in a manner that minimises the visual impacts in accordance with CoA E57, E58 and E59. Lighting may be required at night for the purposes of illuminating required office buildings, security, or where works are undertaken in poor light or out of hours.

Lights will be located as far away as possible and orientated away from properties, including sensitive areas such as bedroom windows or adjacent biodiversity areas. If there is no alternative, shields and baffles to help keep light spill to a minimum will be used. All practical and reasonable steps will be taken to mitigate temporary night lighting impacts for adjoining properties as described in the urban design and visual amenity environmental safeguards.

Any lights required will be directed onto the site with a maximum position angle of 30 degrees from vertical, and back spill shields therefore minimising any unwanted light spill and impacts at night including reflected glare. Lighting will be assessed and implemented to comply with the CASA Manual to prevent light spill in the direction of incoming Sydney Airport aircraft.

### **6.5 Soil and water quality**

The site establishment works have the potential to result in erosion of exposed soils, sedimentation of waterways and exposure of contaminated soils and groundwater. This would be managed through site mitigation measures including stabilising disturbed ground and exposed soils, water to suppress dust and using appropriate bunding for chemicals and fuels.

If acid sulfate soils are identified, they would be managed in accordance with the Construction Soil and Water Management Plan (CSWMP) which includes procedures for the investigation, handling, treatment and management of such soils. With the implementation of mitigation measures detailed in Appendix B, impacts on soil and water quality will be managed and not significantly impact on soils and surface water during works.

### **6.6 Contamination**

The enabling works, if not managed correctly, have the potential to:

- Mobilise contaminants, which could affect nearby soils, surface water and groundwater.
- Increase the migration of contaminants into surrounding areas overland flow and/or subsurface flow (water and/or vapour) or dust, with the potential to impact on receiving environments, such as Mill Pond.
- Increase the risk of exposure to contaminants (direct contact and/or inhalation) by site workers, visitors and the local community.

The risk of disturbing or encountering contaminated material varies depending on the extent and type of contamination and proposed works to be undertaken at each ancillary facility.

The environmental mitigation measures detailed in Appendix B would be implemented during works to achieve the desired performance outcome, which is to ensure that risks arising from the disturbance of



land and disposal of soil are minimised, including disturbance to contaminated areas. In addition, the Unexpected Finds Procedure as detailed in the CEMP will be implemented during the works.

## **6.7 Biodiversity**

### **6.7.1 Flora and Fauna**

Excluding Mill Pond, the ancillary facilities are generally located in disturbed areas with no or limited native vegetation consisting of scattered or clumped areas of trees to exotic scrub, grassland and weeds, or 'urban exotic/native landscape plantings' consisting of cleared/non-native vegetation.

At Mill Pond and Botany Triangle, PCT1071 and PCT1234 areas have been identified in the EIS. Prior to vegetation removal of these PCT areas the offset credits will be retired in accordance with the Biodiversity Conservation Act 2016.

All vegetation would be removed as per the clearing procedures detailed in the Site Establishment EMP and/or CEMP.

### **6.7.2 Trees**

Pre-clearance inspections would be undertaken prior to any clearing and trees (as defined under the approval) recorded.

All trees and vegetation to be removed as part of the ancillary facility site establishment will be reviewed to confirm if any trees can be retained and recorded in the tree register for inclusion in the tree replacement strategy in accordance with CoA E7.

## **6.8 Groundwater**

Site establishment works are proposed above ground and there are no works that would impact the hydrogeological regime.

## **6.9 Non-Aboriginal heritage**

The Mill Pond area is located adjacent to the Botany Water Reserves (a state significant heritage item). During the establishment of the Mill Pond ancillary facility, flagged exclusion zones will be established by the ecologist and heritage specialist to ensure that significant plant species associated with the water reserves will not be impacted. Should works be required outside of the project footprint within the Botany Water Reserves and arborist will be engaged to ensure significant plant species are not impacted by the works.

All other ancillary facility locations have been identified as areas which do not contain non-aboriginal heritage items. Should work be required in areas assessed as containing low archaeological potential, archaeological monitoring will be conducted as detailed by the project archaeologist/heritage specialist.

### **6.10 Aboriginal heritage**

The EIS did not identify any sites or potential sites of Aboriginal heritage within the project site and due to the highly disturbed nature of the project site, intact archaeological deposits are not likely to be present below the ground surface. The Unexpected Heritage Finds procedure provided in the EMP will be implemented during the site establishment works.

### **6.11 Resource and waste minimisation**

Resources would largely be made up of construction materials, water and power. The waste generated would largely be made up of excavated material. Resource use and waste minimisation environmental safeguards are listed in Appendix B.

### **6.12 Hazard and risk**

Potential impacts would include accidental spills of fuels and/or chemicals which could result in contamination of soils and/or waterways, mismanagement of contaminated material odour from contaminated material and impacts to adjacent pipeline infrastructure. These would be managed by implementing the hazard and risk environmental safeguards listed in Appendix B.

## **7. Management approach**

### **7.1 Environmental Management System**

The JH Environmental Management System (EMS) manages and controls the environmental aspects of the Project during construction. Details of the EMS including the overall framework for the system and procedures to ensure environmental impacts are minimised and legislative and other requirements are fulfilled are presented in the CEMP.

## **7.2 Erosion and Sediment Control Plans**

Erosion and sediment control plans (ESCPs) will be prepared for each major ancillary facility and controls installed prior to commencement of activities. ESCPs are developed in accordance with the Managing Urban Stormwater: Soils and Construction Volume 1 (Landcom 2006) (the Blue Book), Volume 2D Main Roads Construction (DECCW 2008) and site-specific soil data which detail:

- Locations of erosion, sedimentation and water quality control measures proposed to treat stormwater before disposal.
- Clean and dirty water flow paths, critical drainage infrastructure, waterways and site boundaries.
- Layout of the site cleared and protected areas and stockpiling areas.
- Construction period and staging.
- Installation of sediment fences along the low site of each ancillary facility to manage runoff from site
- Sites will be maintained to avoid tracking onto local roads.
- Road sweepers will be used regularly to remove mud from truck tyres impacting on local roads
- Hazardous materials to be placed in bunds and/or bunded areas

These plans will be produced prior to site establishment works and updated as the Project progresses, and site conditions evolve. Further details are contained within the CEMP and CSWMP.

## **7.3 Traffic Control Plans**

Traffic Control Plan's will be prepared for each major ancillary facility in accordance with the AS1742.3-2009 and TfNSW (former RMS) Traffic Control at Worksites Manual Version 4. A Traffic Control Plan (TCP) is a diagram identifying signs and devices in specific locations to allow the public and workers at the work site to be safely separated from traffic, while minimising disruption and risk to road users. A TCP generally details:

- Traffic control signage and traffic flow arrangement.
- Site establishment boundary.
- Speed limits.
- Direction of construction traffic and sometimes reversing arrangements.
- Parking locations for both construction workers and the public.
- ROL conditions or Council Road Closure details (if applicable).

Road Occupancy Licence's (ROL) may be required during ancillary facility establishment to facilitate the delivery of oversized items (such as site sheds) or to facilitate utility connections.

Pedestrian and cyclist access will be maintained however some detours may be required to improve safety and amenity of pedestrians and cyclist or the accessibility of trucks entering and exiting ancillary facilities. Alternate routes will aim to minimise inconvenience to pedestrians and cyclists and will be clearly signed and marked. Additionally, the traffic and transport environmental safeguards within Appendix B will be implemented.

## **7.4 Community engagement**

Prior to establishment of ancillary facilities, the community relations team will engage with residential and commercial properties that adjoin or are adjacent to the ancillary facilities. Engagement methods will include door knocking residents impacted by the ancillary facilities, letter box drops and community updates as applicable.

During the site establishment phase, any comments, feedback or complaints relating to noise, air quality and other amenity issues will be addressed in accordance with the Community Communication Strategy and Complaints Management System.

In accordance with CoA B6, the following avenues will be available throughout the site establishment phase for the public to communicate with the Project:

- 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
- e) a mediation system for complaints unable to be resolved.

The telephone number, postal address and email address, as well as relevant information will be visible on site access gates and hoardings established around the ancillary facilities.

## **7.5 Environmental Incidents**

In the event of an environmental incident during site establishment works, the procedures outlined in the CEMP will be implemented including the JH Incident and Event Management Procedure (JH-MPR-SQW-010), the ARTC Incident Reporting Procedure (COR-PR-PR-012) and Pollution Incident Response Procedure (ENV-WI-002) for works carried out under EPL 3142.

The JH Event Notification and Reporting Matrix (CEMP Appendix K) will be followed in the event of an environmental incident. In addition, JH will notify ARTC as soon as possible in the event of an environmental incident or immediately should an environmental have the potential to result in material harm to the environment with remediation costs likely to be greater than \$10,000 or if the incident occurs during standard construction hours.

JH will provide to ARTC with all relevant information required in order for ARTC to provide the relevant notification to DPIE in accordance with CoA A37 and A38.

## **8. Environment Monitoring Program**

### **8.1 Noise Monitoring**

During site establishment, monitoring of noise levels will be undertaken at the following frequencies:

- At the commencement of activities to confirm noise and vibration levels are consistent predictions and that the management measures that have been implemented.
- Where a change in methodology, plant or equipment is anticipated to result in a significant increase in noise impact.
- Where appropriate in response to a noise related complaint(s).
- As otherwise required by an Out of Hours Works (OOHW) application.
- Following the implementation of mitigation measures or noise attenuation as a result of exceedance of predicted noise levels.

In accordance with the ICNG the duration and amount of noise monitoring will depend on the scale of the activities and extent of expected noise impacts. Where possible, monitoring will be undertaken at the most affected noise sensitive receiver/s location in proximity to the activities.

Noise monitoring locations will consider factors including:

- The location of previous monitoring sites.
- The proximity of the receiver to a Project worksite.
- The sensitivity of the receiver to noise.
- Background noise levels.
- The expected duration of the impact.
- All environmental noise monitoring will be taken with the following meter settings:
  - Time Constant: Fast (i.e. 125 milliseconds)
  - Frequency Weightings: A-weighting
  - Sample period: 15 minutes.

Environmental noise monitoring will be recorded over 15-minute sample intervals, where every 15 minutes the data is to be processed statistically and stored in memory. The minimum range of noise metrics to be stored in the memory for later retrieval include the following A-weighted noise levels: LA90, LAeq, LA10, LA1 and LA (max). For spot checks of noise intensive plant and equipment, duration of monitoring will depend on the source of noise being monitored.

During operation of the facilities, noise and vibration will be carried out in accordance with the CEMP and CNVMP.

### **8.2 Vibration Monitoring**

There are no buildings within the minimum working distances established for cosmetic damage or human comfort associated with the site establishment works (note at Banksia Compound, rollers will be operating in static mode only). Vibration monitoring for underground pipelines will be carried out in accordance with the CNVMP and any additional agreements with the pipeline owners/operators.

## **9. Review and Improvement**

### **9.1 Continuous improvement**

Continual improvement is achieved through constant measurement and evaluation, audit and review of the effectiveness of this SEMP. This will be through regular compliance activities, such as inspections, observations and monitoring

Environmental controls will be inspected regularly to ensure their ongoing suitability and effectiveness. Monitoring is carried out to establish pre-construction benchmarks, confirm compliance with the conditions of environmental Approvals, licences and laws and to provide early indication of potential adverse impacts to the environment or community.

### **9.2 Document approval**

This SEMP has been prepared in consultation with the relevant councils and TfNSW as applicable in accordance with CoA A16. The consultation correspondence to date is included in Appendix C.

Should responses be received following approval of the SEMP, details will be incorporated in the Plan and Appendix C revised accordingly.

The SEMP will be approved by the ER and submitted one (1) month before the establishment of any major construction ancillary facility(s). In the event of changes to the establishment of the ancillary facilities, the impacts detailed in this SEMP will be reviewed. Where an increase in impacts is identified, the SEMP will be updated in consultation with the local authority and TfNSW and submitted to the ER for review and approval. Operation of the facilities will be managed by the CEMP and CEMP review and approval process.

### **9.3 Training and awareness**

All personnel, including employees, contractors and sub-contractors, are required to complete an induction containing relevant environmental information before they are authorised to work on the Project. Relevant environmental issues detailed in the induction include (but are not limited to):

- Erosion and sedimentation control
- Dewatering
- Contamination and spoil management
- Hours of work
- Emergency and spill response
- Heritage
- Noise and vibration management,
- Air quality, dust control and odour management, and
- Sustainability.

Toolbox talks and pre-start meetings will complement the induction process to raise awareness and educate personnel on issues related to all aspects of construction including environmental issues. The toolbox talks are used to ensure environmental awareness continues throughout construction.

Toolbox talk attendance is mandatory and attendees of toolbox talks are required to sign an attendance form and the records maintained.

## Appendix A - Relevant Condition of Approval and Required Environmental Mitigation Measures

### Conditions of Approval

| CoA | Requirement  | Reference                                    |
|-----|--|--|
| 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 <i>Botany Rail Duplication Environmental Impact Statement</i> (October 2019) and the <i>Botany Rail Duplication Submissions Report</i> (March 2020)   | Section 1.1                                  |
| 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 <b>Condition A1</b> unless otherwise specified in, or required under, this approval.  | Section 1.1                                  |
| A16 | <p>Before establishment of a major construction ancillary facility (i.e. excluding minor construction ancillary facility(s) established under <b>Condition A18</b>), the Proponent must prepare a <b>Site Establishment Management Plan</b> which outlines the environmental management practices and procedures to be implemented for the establishment of the construction ancillary facility(s). The <b>Site Establishment Management Plan</b> must be prepared in consultation with the relevant council and government authorities.</p> <p>The Plan must be submitted to the ER for approval one (1) month before the establishment of any major construction ancillary facility(s). The <b>Site Establishment Management Plan</b> must detail the management of the establishment of the major construction ancillary facility(s) and include:</p> <ul style="list-style-type: none"> <li>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);</li> <li>b) figures illustrating the proposed site layout;</li> <li>c) program for ongoing analysis of the key environmental risks arising from the site establishment activities described in subsection (a) of this condition, including an initial risk assessment undertaken prior to the commencement of site establishment works;</li> <li>d) details of how the site establishment activities described in subsection (a) of this condition will be carried out to: <ul style="list-style-type: none"> <li>(i) meet the performance outcomes stated in the documents listed in the documents listed in Condition A1, and</li> <li>(ii) manage the risks identified in the risk analysis undertaken in subsection (c) of this condition; and</li> </ul> </li> <li>e) a program for monitoring the performance outcomes, including a program for construction noise monitoring consistent with the requirements of Condition C15.</li> </ul> <p>Nothing in this condition prevents the Proponent from preparing individual <b>Site Establishment Management Plans</b> for each major construction ancillary facility.</p> | This document<br>Refer Section 3.1 (Table 3) |
| A17 | The use of a major construction ancillary facility for construction must not commence until the <b>CEMP</b> required by <b>Condition C1</b> , relevant <b>CEMP Sub-plans</b> required by <b>Condition C4</b> and relevant <b>Construction Monitoring Programs</b> required by <b>Condition C9</b> have been approved by the <b>ER</b> .  | CEMP   |
| A19 | Boundary screening must be erected around all construction ancillary facilities that are adjacent to sensitive receivers for the duration of construction of the CSSI unless otherwise agreed with the relevant Council, and with affected residents, business operators and landowners.   | Section 4.2                                  |



| CoA | Requirement  | Reference                          |
|-----|--|------------------------------------|
| A20 | Boundary screening required under <b>Condition A19</b> of this approval must reduce visual, noise and air quality impacts on adjacent sensitive receivers.   | Section 4.2 and Table 10           |
| B5  | A <b>Complaints Management System</b> must be prepared and implemented before the commencement of any work and maintained for the duration of construction and for a minimum for 12 months following completion of construction of the CSSI.   | Section 7.4                        |
| B8  | 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:<br><br>(a) a 24- hour telephone number for the registration of complaints and enquiries about the CSSI;<br>(b) a postal address to which written complaints and enquires may be sent;<br>(c) an email address to which electronic complaints and enquiries may be transmitted; and<br>(d) a mechanism for CALD community members to make enquiries in LOTE commonly used in the community; and.<br>(e) a mediation system for complaints unable to be resolved.<br><br>This information must be made publicly available.  | Section 7.4                        |
| E14 | Work must only be undertaken during the following standard construction hours:<br><br>(a) 7:00 am to 6:00 pm Mondays to Fridays, inclusive;<br>(b) 8:00 am to 1:00 pm Saturdays; and<br>(c) at no time on Sundays or public holidays.  | Section 6.3, Section 8.1 and CNVMP |
| E15 | Notwithstanding Condition E14, work may be undertaken between 1:00pm to 6:00pm on Saturday   | Section 6.3, Section 8.1 and CNVMP |
| E16 | Notwithstanding Conditions E14, E15 and E19 work may be undertaken outside the hours specified in the following circumstances:<br><br>(a) for the delivery of materials required by the NSW Police Force or other appropriate authority for safety reasons; or<br>(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<br>(c) an approval has been obtained for a controlled activity under the Airports Act 1996; or<br>(d) where different construction hours are permitted or required under an EPL in force in respect of the CSSI; or<br>(e) work approved under an Out-of-Hours Work Protocol for work not subject to an EPL as required by Condition E29; or<br>(f) construction that causes LAeq(15minute) noise levels:<br><br>(i) no more than 5dBA above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009), and<br>(ii) no more than the 'Noise affected' noise management levels specified in Table 3 of the Interim Construction Noise Guideline (DECC, 2009) at other sensitive land uses, and | Section 6.3, Section 8.1 and CNVMP |



| CoA | Requirement   | Reference                          |
|-----|---|------------------------------------|
|     | <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 Assessing Vibration: a technical guideline (DEC, 2006) and</p> <p>(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 Assessing Vibration: a technical guideline (DEC, 2006); or</p> <p>(g) negotiated agreements with directly affected residents.</p> <p>Note: Section 5.24(1)(e) of the EP&amp;A Act requires that an EPL be substantially consistent with this approval.</p>                    |                                    |
| E17 | On becoming aware of the need for emergency Work in accordance with <b>Condition E16</b> , the Proponent must notify the AA, <b>ER</b> , and the <b>EPA</b> (if an EPL applies) of the need for that work. The Proponent must use best endeavours to notify all noise and/or vibration affected sensitive receivers of the likely impact and duration of those Works.   | Section 6.3, Section 8.1 and CNVMP |
| 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: Soils and Construction</i> series must be considered.  | Section 7.2 and CSWMP              |
| E47 | Before any local road is used by a heavy vehicle for the purposes of construction of the CSSI, a <b>Road Dilapidation Report</b> must be prepared for the road. A copy of the <b>Road Dilapidation Report</b> must be provided to the relevant council within three 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.  | Section 7.3 and CTTAMP             |
| E57 | The CSSI must be constructed in a manner that minimises visual impacts of construction sites,   | Table 10 and Appendix B            |
| E58 | The Proponent must construct and operate the CSSI with the objective of minimising the impact of light spill to surrounding properties and aircraft operations.   | Table 10 and Appendix B            |
| E87 | Waste generated during construction and operation must be dealt with in accordance with the following priorities:<br>(a) waste generation must be avoided and where avoidance is not reasonably practicable, waste generation must be reduced;<br>(b) where avoiding, or reducing waste is not possible, waste must be re-used, recycled, or recovered; and<br>(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 <i>Protection of the Environment Operations (Waste) Regulation 2014</i> . | Table 10 and Appendix B            |

#### Relevant Environmental Mitigation Measures

| Impact                                   | Ref. No. | Mitigation Measure   | Reference        |
|--|----------|--|------------------|
| <b>Traffic and Transport</b>             |          |  |                  |
| Localised vehicular, pedestrian, cyclist | CTT2     | Provide suitably designed construction site access which will consider: <ul style="list-style-type: none"> <li>Road design guidelines</li> </ul> | SEMP Appendix B- |



| Impact  | Ref. No. | Mitigation Measure  | Reference   |
|---|----------|---|---|
| and public transport management around site accesses.                                 |          | <ul style="list-style-type: none"> <li>Visible temporary regulatory, warning and guide signs</li> <li>Use of accredited traffic controllers where appropriate</li> <li>Provision of deceleration lanes at accesses abutting highly trafficked roads</li> </ul>  | Traffic and Transport and CTTAMP                  |
| Increased heavy vehicles in the road network  | CTT3     | <ul style="list-style-type: none"> <li>Administrative controls to limit truck activities during peak periods.</li> <li>Implement radio communication and designated truck idling areas to minimize impact of truck queuing on public roads.</li> <li>Temporary traffic controls.</li> </ul>   | SEMP Appendix B- Traffic and Transport and CTTAMP |
| Impacts on road network performance (delays) and safety                               | CTT4     | <ul style="list-style-type: none"> <li>Maximise parking at each site and compound</li> <li>Encourage carpooling/cycling/public transport</li> <li>Providing shuttle buses between the two main on-site compounds and smaller construction compounds</li> <li>Develop a protocol to review the approach to management of worker parking in the event complaints are received relating to workers using on-street parking.</li> </ul>   | SEMP Appendix B- Traffic and Transport and CTTAMP |
| Public transport services and travel time   | CTT5     | <ul style="list-style-type: none"> <li>Consultation with service providers to develop alternative service arrangements.</li> <li>Notification to the general public prior to implementation of service changes.</li> <li>Changes to services during possessions.</li> </ul>   | SEMP Appendix B- Traffic and Transport and CTTAMP |
| Active transport facility closures and diversions                                     | CTT6     | <ul style="list-style-type: none"> <li>Ensure appropriate detours such as maintaining access on at-least one side of the road.</li> <li>Provide safe access across site gates.</li> </ul>   | SEMP Appendix B- Traffic and Transport and CTTAMP |
| Reduced accessibility on the road network. Detour can result in increased travel time | CTT7     | <ul style="list-style-type: none"> <li>Manage closures during off-peak periods.</li> <li>In accordance with the relevant protocols (for example for Road Opening Licences), consult with Transport for NSW, Traffic Management Centre and the Sydney Coordination Office, regarding the management and timing of any proposed temporary road closures.</li> <li>Select a bus detour route that will minimise impact on punctuality of bus services and minimise public transport accessibility impact on the community.</li> <li>Temporary turn restrictions at key State controlled intersections to promote the diversion route via State controlled roads would also be considered during detailed design.</li> <li>Implement suitable traffic management during closures to manage and guide motorists at the approaches and through or around the work sites.</li> <li>Public information campaigns</li> <li>Truck travel time management</li> </ul> | SEMP Appendix B- Traffic and Transport and CTTAMP |
| <b>Noise and Vibration</b>  |          |   |   |
| Noise generated from out-of-hours work  | CNV5     | <ul style="list-style-type: none"> <li>Where feasible and reasonable, construction will be carried out during Standard Construction Hours. If it is not possible to restrict the works to daytime, then they will be scheduled so noise</li> </ul>  | SEMP Appendix B – Noise and Vibration             |





| Impact  | Ref. No. | Mitigation Measure  | Reference                                       |
|---|----------|---|---|
|   |          | intensive equipment is not used after 11:00pm, where possible, noting that there is a requirement for many of the works to be completed during possessions, and restrictions on working hours during these periods are generally not feasible.  | and CNVMP                                       |
| Noise generated from use of noise intensive equipment           | CNV6     | <ul style="list-style-type: none"> <li>Where noise intensive equipment is to be used near sensitive receivers, the works will be scheduled for Standard Construction Hours, where possible. If it is not possible to restrict the works to daytime then they will be scheduled so noise intensive equipment is not used after 11:00pm, where feasible.</li> </ul>   | SEMP Appendix B – Noise and Vibration and CNVMP |
| Noise generated from use of noise intensive equipment           | CNV7     | <ul style="list-style-type: none"> <li>Monitoring will be carried out at the start of noise and vibration intensive activities which are near to receivers to confirm that actual levels are consistent with the predictions. Where mitigation measures have been specified, the monitoring results should confirm their effectiveness.</li> </ul>  | SEMP Appendix B – Noise and Vibration and CNVMP |
| Use of construction compounds                                   | CNV8     | <ul style="list-style-type: none"> <li>Hoardings, or other shielding structures, will be used where receivers are near compounds or worksites with long-term works. To provide effective noise mitigation, the hoarding will break the line of sight from the nearest receivers to the works, where possible, and be of solid construction with minimal gaps. Hoarding for construction sites is typically around three metres in height.</li> </ul>  | SEMP Appendix B – Noise and Vibration and CNVMP |
|   | CNV9     | <ul style="list-style-type: none"> <li>Noise generating activities in compounds will be positioned away from receivers where possible. Items such as sheds can also be used to shield receivers from noise generated in other parts of the compound.</li> </ul>   | SEMP Appendix B – Noise and Vibration and CNVMP |
|   | CNV10    | <ul style="list-style-type: none"> <li>Noise impacts are predicted for the compound between Banksia Street and Stephen Road due to the proximity of the nearest receivers. The use of this compound site during out of hours works associated with the road closures at Robey and O’Riordan Street will be avoided as far as practicable.</li> </ul>  | SEMP Appendix B – Noise and Vibration and CNVMP |
| Vibration impacts from use of vibration intensive equipment     | CNV11    | <ul style="list-style-type: none"> <li>Where works are required within the minimum working distances and considered likely to exceed the cosmetic damage criteria: <ul style="list-style-type: none"> <li>Different construction methods with lower source vibration levels will be investigated and implemented, where feasible</li> <li>Attended vibration measurements will be undertaken at the start of the works to determine actual vibration levels at the item. Works will be ceased if the monitoring indicates vibration levels are likely to, or do, exceed the relevant criteria.</li> </ul> </li> </ul>         | SEMP Appendix B – Noise and Vibration and CNVMP |
| Vibration impacts from use of vibration intensive equipment     | CNV13    | <ul style="list-style-type: none"> <li>The potential human comfort impacts and requirement for vibration intensive works will be reviewed as the project progresses. Where receivers are within the human comfort minimum working distances, the impacts will be managed with the procedures defined in the CNVMP.</li> </ul>   | SEMP Appendix B – Noise and Vibration and CNVMP |
| Vibration impacts from the use of vibration intensive equipment | CNV14    | <ul style="list-style-type: none"> <li>The requirement for vibration intensive works near heritage items will be reviewed during detailed construction planning. Where heritage items are considered potentially sensitive to vibration impacts, the more stringent DIN 4150 Group 3 guideline values will be applied and monitoring will be completed when vibration intensive works are in close proximity.</li> <li>Conditions surveys will be completed before and after the works where heritage items are within the minimum working distances and considered likely to exceed the cosmetic damage criteria.</li> </ul> | SEMP Appendix B – Noise and Vibration and CNVMP |



| Impact                                    | Ref. No.                                  | Mitigation Measure   | Reference  |
|---|---|--|--|
| Noise generated from construction workers |   | <ul style="list-style-type: none"> <li>All employees, contractors and subcontractors will receive an environmental induction. The induction must at least include:                             <ul style="list-style-type: none"> <li>all relevant project specific and standard noise and vibration mitigation measures</li> <li>relevant licence and approval conditions</li> <li>permissible hours of work</li> <li>any limitations on noise generating activities with special audible characteristics</li> <li>location of nearest sensitive receivers</li> <li>construction employee parking areas</li> <li>designated loading/unloading areas and procedures</li> <li>site opening/closing times (including deliveries)</li> <li>environmental incident procedures</li> </ul> </li> </ul> | SEMP Appendix B – Noise and Vibration and CNVMP  |
|   | Noise generated from construction workers | CNV17  | <ul style="list-style-type: none"> <li>No swearing or unnecessary shouting or loud stereos/radios/phone calls on speaker on site. No dropping of materials from height, throwing of metal items and slamming of doors. No unnecessary idling of vehicles near to receivers.</li> </ul> |
| CNV18                                     |   | <ul style="list-style-type: none"> <li>Use quieter and less vibration emitting construction methods where feasible and reasonable. For example, when piling is required, bored pile rather than impact-driven piles will minimise noise and vibration impacts</li> </ul>   | SEMP Appendix B – Noise and Vibration and CNVMP  |
| CNV19                                     |   | <ul style="list-style-type: none"> <li>Simultaneous operation of noisy plant within discernible range of a sensitive receiver will be avoided.</li> <li>The offset distance between noisy plant and adjacent sensitive receivers will be maximised.</li> <li>Plant used intermittently will be throttled down or shut down.</li> <li>Noise emitting plant will be directed away from sensitive receivers, where possible.</li> </ul>   | SEMP Appendix B – Noise and Vibration and CNVMP  |
| CNV20                                     |   | <ul style="list-style-type: none"> <li>Plan traffic flow, parking and loading/unloading areas to minimize reversing movements within the site.</li> </ul>  | SEMP Appendix B – Noise and Vibration and CNVMP  |
| CNV21                                     |   | <ul style="list-style-type: none"> <li>Non-tonal reversing beepers (or an equivalent mechanism) will be fitted and used on all construction vehicles and mobile plant regularly used on site as well as any out of hours work.</li> </ul>  | SEMP Appendix B – Noise and Vibration and CNVMP  |
| CNV22                                     |   | <ul style="list-style-type: none"> <li>Loading and unloading of materials/deliveries will occur as far as possible from sensitive receivers.</li> <li>Site access points and roads will be selected as far as possible away from sensitive receivers.</li> <li>Dedicated loading/unloading areas will be shielded if close to sensitive receivers</li> </ul>   | SEMP Appendix B – Noise and Vibration and CNVMP  |
| CNV23                                     |   | <ul style="list-style-type: none"> <li>Where possible, noise from mobile plant will be reduced through additional:                             <ul style="list-style-type: none"> <li>residential grade mufflers</li> </ul> </li> </ul>  | SEMP Appendix B – Noise and Vibration  |



| Impact   | Ref. No. | Mitigation Measure  | Reference   |
|--|----------|---|---|
|  |          | <ul style="list-style-type: none"> <li>• damped hammers such as 'City' Model Rammer Hammers</li> <li>• Air Parking brake engagement is silenced.</li> </ul>   | and CNVMP   |
|  | CNV24    | <ul style="list-style-type: none"> <li>• Stationary noise sources will be enclosed or shielded while ensuring that the occupational health and safety of workers is maintained.</li> <li>• Appendix F of AS 2436: 1981 lists materials suitable for shielding</li> </ul>  | SEMP Appendix B – Noise and Vibration and CNVMP                                 |
|  | CNV26    | <ul style="list-style-type: none"> <li>• Structures, such as site sheds, will be used to shield residential receivers from noise (where practicable), noting that upper floors of multi-storey buildings will be unlikely to benefit.</li> </ul>  | SEMP Appendix B – Noise and Vibration and CNVMP                                 |
| Air Quality  |          |   |   |
| Minor and temporary elevated particulate matter (PM10) at receptors within six metres of the construction boundary | CAQ1     | <ul style="list-style-type: none"> <li>• Dust suppression will be undertaken as required using water sprays, water carts or other media on:                             <ul style="list-style-type: none"> <li>• unpaved work areas subject to traffic or wind</li> <li>• sand, spoil and aggregate stockpiles</li> <li>• during the loading and unloading of dust generating materials.</li> </ul> </li> <li>• As a minimum, level 1 watering should be undertaken on general construction areas and level 2 watering should be undertaken on heavy construction areas. Further discussion including a description of construction work classification is provided in section 5.2 of Technical Report 3 – Air Quality Impact Assessment</li> </ul>   | SEMP Appendix B – Air Quality and CEMP Appendix D Environmental Control Plan 03 |
|  | CAQ2     | <ul style="list-style-type: none"> <li>• Visual dust monitoring will be performed on a routine basis, and all staff will be trained to look out for visible dust leaving the worksite in the direction of sensitive receptors.</li> <li>• If the works are creating visible dust plumes, the works will be modified or stopped until the dust hazard is reduced to an acceptable level.</li> <li>• If complaints are received relating to dust from construction works, works will be reviewed to identify opportunities to reduce potential impacts from dust.</li> <li>• In the instance of ongoing dust issues, or complaints, a short term dust monitoring device will be installed in the relevant area which may be adjacent to a sensitive receptor near any longer term construction area.</li> </ul> | SEMP Appendix B – Air Quality and CEMP Appendix D Environmental Control Plan 03 |
| Dust from construction vehicles  | CAQ3     | <ul style="list-style-type: none"> <li>• Construction vehicles with potential for loss of loads (such as dust or litter) will be covered when using public roads.</li> </ul>  | SEMP Appendix B – Air Quality and CEMP Appendix D Environmental Control Plan 03 |
| Emissions from construction equipment and plant  | CAQ4     | <ul style="list-style-type: none"> <li>• Plant and equipment will be maintained in good condition to minimise spills and air emissions that may cause air quality impacts</li> </ul>  | SEMP Appendix B – Air Quality and CEMP Appendix D Environmental Control Plan 03 |



| Impact  | Ref. No. | Mitigation Measure   | Reference  |
|---|----------|--|--|
| Dust from Stockpiles  | CAQ5     | <ul style="list-style-type: none"> <li>The size of stockpiles will be minimised where possible and located as far as practicable from sensitive receptors</li> </ul>   | SEMP Appendix B – Air Quality and CEMP Appendix D Environmental Control Plan 03  |
| Contaminated dust with PFAS may become airborne and disperse to receptors | CAQ6     | <ul style="list-style-type: none"> <li>Identified areas which may have elevated PFAS/PFOS concentrations are limited to small areas shown in the Technical Report 5 – Contamination Assessment (WSP 2019)). This report includes specific management measures.</li> <li>Dust management measures are considered sufficient to manage dust from areas potentially containing PFAS however high risk areas will be identified in the site induction so all personnel are aware of the importance of dust management in these areas.</li> <li>Dust management measures will prevent visible dust from potentially contaminated areas from leaving the construction site boundary</li> </ul> | SEMP Appendix B – Air Quality and CEMP Appendix D Environmental Control Plan 03  |
| <b>Biodiversity</b>   |          |  |  |
| Additional Clearing   | CBD1     | <ul style="list-style-type: none"> <li>If additional vegetation is identified to be impacted, an ecologist will undertake further assessment for impact and the need for offsetting in accordance with the legislation, prior to clearing</li> </ul>   | SEMP Appendix B – Biodiversity and CEMP Appendix D Environmental Control Plan 05 |
| Spread of chytrid fungus  | CBD2     | <ul style="list-style-type: none"> <li>Protocols to prevent introduction or spread of chytrid fungus will be detailed in the relevant management plan and implemented following the DPE Hygiene protocol for the control of disease in frogs (DECC, 2008c)</li> </ul>  | SEMP Appendix B – Biodiversity and CEMP Appendix D Environmental Control Plan 05 |
| General   | CBD3     | <ul style="list-style-type: none"> <li>The project environmental induction will include information on the ecological values of the study area, protection measures to be implemented to protect biodiversity and penalties for breaches.</li> </ul>   | SEMP Appendix B – Biodiversity and CEMP Appendix D Environmental Control Plan 05 |
| Vegetation clearing   | CBD4     | <ul style="list-style-type: none"> <li>Disturbance of vegetation will be limited to the minimum necessary to construct works. The contractor will design the layout of the work areas to locate infrastructure, where practicable, to previously cleared areas or areas of exotic vegetation to minimise or avoid impacts on native vegetation (and particularly EECs). Equipment storage and stockpiling of resources will be restricted to designated areas in cleared land.</li> </ul>  | SEMP Appendix B – Biodiversity and CEMP Appendix D Environmental Control Plan 05 |
| Impact to flora and fauna during  | CBD5     | <ul style="list-style-type: none"> <li>A trained ecologist will undertake pre-clearing surveys and be present during the clearing of native vegetation or removal of potential fauna habitat during construction where necessary to avoid impacts on resident fauna as far as is practicable. Pre-clearing surveys will include: <ul style="list-style-type: none"> <li>inspections of native vegetation for resident fauna and/or nests or other signs of fauna occupancy</li> </ul> </li> </ul>  | SEMP Appendix B – Biodiversity and CEMP Appendix D Environmental                 |



| Impact   | Ref. No. | Mitigation Measure   | Reference  |
|--|----------|--|--|
| vegetation clearance works to bridges              |          | <ul style="list-style-type: none"> <li>• inspections of bridges for roosting bats (including Botany Road and Mill Stream)</li> <li>• pre-clearing surveys for the Green and Golden Bell Frog at Mill Stream as a precaution</li> <li>• capture and relocation or captive rearing of less mobile fauna (such as nestling birds) by a trained fauna handler and with assistance from Wildlife Information Rescue and Education Service (WIRES) as required</li> </ul>  | Control Plan 05  |
| Impact on vegetation to be retained                | CBD6     | <ul style="list-style-type: none"> <li>• Where the project site adjoins native vegetation, the limits of clearing will be marked and temporary fencing installed and maintained around the vegetated areas prior to the commencement of construction activities to avoid unnecessary vegetation and habitat removal.</li> </ul>  | SEMP Appendix B – Biodiversity and CEMP Appendix D Environmental Control Plan 05 |
| Increase in weeds                                  | CBD7     | <ul style="list-style-type: none"> <li>• Management and disposal of the weeds, including the priority weeds, will be conducted in accordance with the Biosecurity Act 2015 and the NSW Weed Control Handbook (DPI 2018c). Vehicles and other equipment to be used within the rail corridor will be cleaned to minimise seeds and plant material entering the study area to prevent the introduction of further exotic plant species or disease.</li> </ul>   | SEMP Appendix B – Biodiversity and CEMP Appendix D Environmental Control Plan 05 |
| <b>Contamination</b>                               |          |  |  |
| Surface ACM  | CCT5     | <ul style="list-style-type: none"> <li>• An emu pick involving the systematic manual collection of identified asbestos surface fragments will be undertaken prior to soil disturbance in Area 1 and the section west of Robey Street in Area 2, to remove ACM fragments from the site surface. A clearance certificate will be obtained from a licensed asbestos assessor</li> </ul>   | SEMP Appendix B – Soil and Water and CSWMP                                       |
| Contaminated Groundwater                           | CCT6     | <ul style="list-style-type: none"> <li>• Adopt construction techniques to avoid groundwater disturbance where practicable. If groundwater is encountered, temporarily store all extracted groundwater to be disposed of offsite in appropriate containers then ensure it is tested for potential contaminants (including PFAS). Options for final disposal of extracted groundwater include:               <ul style="list-style-type: none"> <li>• removal offsite to a water recycling facility if the level of contaminants does not exceed the water acceptance thresholds</li> <li>• discharge to a sewer via a trade waste agreement with Sydney Water</li> <li>• treatment through a groundwater remediation system before being released to surface water (with approval from NSW EPA). For the above options, the analytical testing results will need to demonstrate compliance with the applicable licence or discharge criteria</li> </ul> </li> </ul> | Annexure B – MMG6<br>SEMP Appendix B – Soil and Water and CSWMP                  |
| Spills and leaks contaminating soil or groundwater | CCT7     | <ul style="list-style-type: none"> <li>• Procedures to store, handle and use materials and equipment appropriately to prevent spills will be prepared and implemented during construction, and included in the SWMP.</li> <li>• Immediately contain and clean up leakage of fuels, oils, chemicals and other hazardous liquids in accordance with the Safety Data Sheet and ARTC's NSW Pollution Incident Response Management Plan to prevent migration of contaminants to other parts of the site</li> </ul>  | SEMP Appendix B – Soil and Water and CSWMP                                       |
| Stockpile management and soil                      | CCT8     | <ul style="list-style-type: none"> <li>• Employ stockpile management procedures as per ARTC's Standard Environmental Management Measures for segregating soil and preventing cross-contamination of clean soil with contaminated</li> </ul>  | SEMP Appendix B – Waste Management   |



| Impact  | Ref. No. | Mitigation Measure  | Reference                                  |
|---|----------|---|--|
| handling  |          | soil. These will be documented in the SWMP.   | and CSWMP                                  |
| ACM contaminated areas                                | CCT9     | <ul style="list-style-type: none"> <li>ACM impacted soil will be handled and managed in accordance with the AMP at all times during construction.</li> <li>Areas that are designated as ACM contaminated areas will be clearly fenced off and suitable warning signs posted prior to soil disturbance in that area. Hygiene facilities will be provided incorporating a high standard of washing facilities and storage area for contaminated clothing/footwear. These areas will only be accessible to authorised personnel and work permitted only under controlled/supervised conditions by appropriately qualified/licensed personnel.</li> </ul>   | SEMP Appendix B – Soil and Water and CSWMP |
| Unexpected contamination                              | CCT10    | <ul style="list-style-type: none"> <li>An unexpected finds procedure will be prepared prior to commencement of enabling works and included as part of the SWMP. It will identify the process to follow in the event that indicators of contamination are encountered during construction (such as odours, ACM or visually contaminated materials).</li> </ul>   | SEMP Appendix B – Contamination and CSWMP  |
| <b>Hydrology and Flooding</b>                         |          |   |  |
| Spoil Management                                      | CFL2     | <ul style="list-style-type: none"> <li>Spoil stockpiles will need to be located in areas which are not subject to frequent inundation by floodwater and ideally outside the 1% AEP flood extent. The CEMP will define the flood immunity criteria for stockpiles proposed to be located in areas that are inundated during a 1% AEP event. These criteria will be based on the duration of stockpiling operations, the type of material stored, the nature of the receiving drainage lines and also the extent to which the stockpile will impact flooding conditions in adjacent areas.</li> </ul>   | SEMP Appendix B – Soil and Water and CSWMP |
| Site facilities and flood emergency management        | CFL3     | <ul style="list-style-type: none"> <li>As a minimum, site facilities are to be located outside high flood hazard areas based on a 1% AEP flood and ideally outside the 1% AEP flood extent. For site facilities located within the floodplain, the CEMP is to identify how risks to personal safety and damage to construction facilities and equipment will be managed.</li> <li>The CEMP will need to include details of: <ul style="list-style-type: none"> <li>the procedure to monitor accurate and timely weather data, and disseminate warnings to construction personnel of impending flood producing rain</li> <li>an evacuation plan for construction personnel should a severe weather warning be issued.</li> </ul> </li> </ul> | SEMP Appendix B – Soil and Water and CSWMP |
| <b>Water Quality and Soils</b>                        |          |   |  |
| Spills and leaks causing soil and water contamination | CWQ2     | <ul style="list-style-type: none"> <li>Leakage of fuels, oils, chemicals and other hazardous liquids will be immediately cleaned up in accordance with the Safety Data Sheet and relevant emergency response procedures.</li> </ul>   | SEMP Appendix B – Soil and Water and CSWMP |
|   | CWQ3     | <ul style="list-style-type: none"> <li>Adequately stocked spill kits will be readily accessible to site personnel during all refuelling activities</li> </ul>   | SEMP Appendix B – Soil and Water and CSWMP |



| Impact   | Ref. No. | Mitigation Measure   | Reference  |
|--|----------|--|--|
|  | CWQ4     | <ul style="list-style-type: none"> <li>Construction plant and equipment will be regularly inspected and maintained to prevent leaks.</li> </ul>  | SEMP Appendix B – Soil and Water and CSWMP                                   |
|  | CWQ5     | <ul style="list-style-type: none"> <li>All potentially contaminating substances will be stored in secure, bunded and impervious locations away from surface water features and outside of the extent of the 20 year ARI design flood wherever practicable</li> </ul>   | SEMP Appendix B – Soil and Water and CSWMP                                   |
|  | CWQ6     | <ul style="list-style-type: none"> <li>Impervious and bunded areas will be established for the on-site maintenance of construction plant and equipment.</li> </ul>   | SEMP Appendix B – Soil and Water and CSWMP                                   |
| Erosion and Sediment Impacts                             | CWQ8     | <ul style="list-style-type: none"> <li>Where feasible, construction activities will be scheduled to avoid ground disturbance works or in-stream works during periods of heavy or prolonged rainfall.</li> </ul>  | SEMP Appendix B – Soil and Water and CSWMP                                   |
|  | CWQ9     | <ul style="list-style-type: none"> <li>Protect stockpiles of loose material from erosion due to rain and wind</li> </ul>   | SEMP Appendix B – Soil and Water and CSWMP                                   |
|  | CWQ10    | <ul style="list-style-type: none"> <li>Erosion and sediment control measures will be implemented prior to soil disturbance in accordance with Managing Urban Stormwater: Soils and Construction Volume 1 (Landcom, 2004) and included in the SWMP. Erosion and sediment controls throughout the project site will be regularly inspected and maintained.</li> </ul>  | SEMP Appendix B – Soil and Water and CSWMP                                   |
|  | CWQ13    | <ul style="list-style-type: none"> <li>Instruct site workers on the need to prevent materials from washing or blowing into the stormwater system</li> </ul>  | SEMP Appendix B – Soil and Water and CSWMP                                   |
|  | CWQ14    | <ul style="list-style-type: none"> <li>Infiltration trenches will be installed to allow for potentially contaminated water to be collected and infiltrated back into groundwater rather than flowing to surface water</li> </ul>   | SEMP Appendix B – Soil and Water and CSWMP                                   |
| Litter polluting waterways                               | CWQ16    | <ul style="list-style-type: none"> <li>Bins will be provided on-site for litter. All general litter and waste collected on-site will be transported off-site to an appropriate waste facility.</li> </ul>  | SEMP Appendix B – Soil and Water and CSWMP                                   |
| <b>Non-Aboriginal Heritage</b>                           |          |  |  |
| Significant items within, and outside of, the study area | CNH1     | <ul style="list-style-type: none"> <li>For the Botany Water Reserves (also known as Botany Wetlands or Botany Swamps), the following site specific management measures will be implemented:               <ul style="list-style-type: none"> <li>establishment of fenced exclusion zones around the item's SHR curtilage to prevent inadvertent impacts to the item prior to, and during construction of the project</li> <li>engagement of an arborist to ensure significant plant species are not impacted during the</li> </ul> </li> </ul> | SEMP Appendix B – Heritage and CEMP Appendix D Environmental Control Plan 01 |



| Impact  | Ref. No. | Mitigation Measure  | Reference   |
|---|----------|---|---|
|   |          | construction phase if impacts outside of the project footprint are proposed<br><ul style="list-style-type: none"> <li>archaeological monitoring in areas assessed as containing low potential for Phase 1 archaeological remains where subsurface impacts are proposed. This would be carried out in accordance with recommendations set out in Section 11.5 of Technical Report 9 – Statement of Heritage Impact.</li> </ul>   |   |
|   | CNH4     | <ul style="list-style-type: none"> <li>For the potential archaeological remains shown in Figure 15.4, archaeological monitoring or testing will be undertaken (where required) in accordance with recommendations set out in Section 11.5 of Technical Report 9 – Statement of Heritage Impact</li> </ul>   | SEMP Appendix B – Heritage and CEMP Appendix D Environmental Control Plan 01              |
| Heritage Induction  | CNH8     | <ul style="list-style-type: none"> <li>The project environmental induction will include making contractors aware of areas of high/moderate archaeological potential, areas containing highly significant fabric, relevant strategies to minimise potential impacts on archaeological remains and heritage fabric, information regarding the identification and management of unexpected archaeological and heritage finds and their obligations under NSW heritage legislation. The induction will be provided to relevant contractors and subcontractors and its preparation overseen and approved by a suitably qualified heritage professional.</li> </ul> | SEMP Appendix B – Heritage and CEMP Appendix D Environmental Control Plan 01              |
| Unexpected Finds  | CNH9     | <ul style="list-style-type: none"> <li>An Unexpected Finds Procedure will be established and implemented in the case of unexpected structural and archaeological finds.</li> </ul>  | SEMP Appendix B – Heritage and CEMP Appendix D Environmental Control Plan 01              |
| <b>Aboriginal Heritage</b>  |          |   |   |
| Unexpected discovery of Aboriginal objects                        | CAH 1    | <ul style="list-style-type: none"> <li>An unexpected finds procedure will be prepared and include requirements for:               <ul style="list-style-type: none"> <li>protecting any unexpected finds (including Aboriginal heritage items and human skeletal remains) encountered during construction activities</li> <li>procedures to manage reporting and investigation when unexpected finds are encountered.</li> </ul> </li> </ul>  | SEMP Appendix B – Heritage and CEMP Appendix D Environmental Control Plan 01              |
| <b>Land Use, Property and Visual</b>                              |          |   |   |
| Access to private property/businesses /Sydney Airport             | CLP4     | <ul style="list-style-type: none"> <li>Prior to any impact on access, alternative arrangements will be negotiated with the affected parties in order to enable continued access and to minimise disruption as much as reasonably possible.</li> </ul>   | SEMP Appendix B – Land Use and Property and CEMP Appendix D Environmental Control Plan 02 |
| Landscape character and visual impact from residential properties | CLV1     | <ul style="list-style-type: none"> <li>Shade cloth screening on site boundary fencing will be provided where works or compound sites are being undertaken in close proximity to residential areas to screen street level views into the construction site, such as:               <ul style="list-style-type: none"> <li>Myrtle Street</li> </ul> </li> </ul>   | SEMP Appendix B – Land Use and Property and CEMP Appendix D Environmental Control Plan 02 |





| Impact  | Ref. No. | Mitigation Measure  | Reference   |
|---|----------|---|---|
|   |          | <ul style="list-style-type: none"> <li>• Bay Street</li> <li>• Ellis Street</li> <li>• Banksia to Morgan Street</li> </ul>  |   |
| Visual impact from construction lighting at night | CLV2     | <ul style="list-style-type: none"> <li>• Temporary lighting required during the construction period will be sited and designed to avoid light spill into residential properties. Particular consideration will be given to works near Baxter Road, McBurney Avenue and between Myrtle Street and Stephen Road which are located close to residential properties and hotels.</li> </ul>  | SEMP Appendix B – Land Use and Property and CEMP Appendix D Environmental Control Plan 02 |
| <b>Social</b>                                     |          |   |   |
| Changes to amenity and access due to construction | CSO1     | <ul style="list-style-type: none"> <li>• The community will be informed about changes to amenity and access through the community and stakeholder engagement plan. The plan will include:               <ul style="list-style-type: none"> <li>• communication with residents to provide an overview of the project, and the likely nature, extent and duration of amenity and access changes as a result of construction. Particular attention will be given to ensuring any vulnerable groups are appropriately targeted, these may include families with children, people with need for assistance, older people, people with disability, people with mobility difficulties or medical conditions, and culturally and linguistically diverse people in Mascot</li> <li>• communication of measures to minimise construction fatigue experienced by residents, businesses and general community members (such as construction respite periods associated with out of standard construction hours works, if required)</li> <li>• communication of the complaints and enquiry procedure through which community members can contact the project to raise any concerns regarding amenity and access changes, such as the ARTC Enviroline.</li> </ul> </li> </ul> | CEMP Section 9  |
| <b>Resource and Waste Management</b>              |          |   |   |
| Resource use                                      | CRW1     | <ul style="list-style-type: none"> <li>• Where feasible and practicable, construction material will be sourced from within the Sydney region.</li> </ul>  | SEMP Appendix B – Waste and CEMP Appendix D Environmental Control Plan 04                 |
| Stockpile management                              | CRW6     | <ul style="list-style-type: none"> <li>• The size of stockpiles will be determined by material quantity requirements, space availability, stockpile stability and safety, indicative volumes and restrictions. Stockpile siting and management will include the following parameters:               <ul style="list-style-type: none"> <li>• will be no higher than three metres</li> <li>• will be sited as far as practical from sensitive receivers and where possible equipment i.e. site compound buildings, sited between the stockpile and receiver</li> <li>• will be located in areas which are not subject to frequent inundation by floodwater and ideally outside the 1% AEP flood extent</li> <li>• will not be sited next to schools or day care facilities</li> </ul> </li> </ul>  | SEMP Appendix B – Waste and CEMP Appendix D Environmental Control Plan 04                 |



| Impact                            | Ref. No. | Mitigation Measure   | Reference                                  |
|-----------------------------------|----------|--|--|
|                                   |          | <ul style="list-style-type: none"> <li>will be temporary and material not needed for ongoing maintenance will be removed at completion of construction</li> </ul>            |  |
| Risks, Health and Safety          |          |  |  |
| Chemical and explosive management | CHS3     | <ul style="list-style-type: none"> <li>The management of all chemicals and detonators used during construction will comply with the relevant Australian Standard.</li> </ul> | SEMP Appendix B Health, Safety and Hazards |

## Appendix B - Environmental Controls

### Project Wide Environmental Safeguards

This section contains general requirements that will be applied to all ancillary facilities established under this Site Establishment Management Plan (SEMP) in addition to the mitigation measures presented in Table 10.

*EM – Environment Manager, CM – Construction Manager, EA – Environment Advisor, SS – Site Supervisor, PE – Project Engineer, CRM – Community Manager, SM - Safety Manager*

| No.                  | Environmental safeguards   | Responsibility | Timing   |
|----------------------|--|----------------|--|
| General Requirements |  |                |  |
| G1                   | All licences, permits and approvals will be obtained as required by law and maintained as required throughout the establishment of the ancillary facilities.   | EM             | Prior to Site Establishment/<br>Site Establishment |
| G2                   | Ancillary facilities would be established in accordance with this SEMP.  | EM/CM          | Site Establishment                                 |
| G3                   | Training will be provided to all Project personnel, including relevant sub-contractors with a focus on: <ul style="list-style-type: none"> <li>Air quality control</li> <li>Noise and vibration</li> <li>Flora and Fauna</li> <li>Erosion and Sediment Control</li> </ul> The Project will meet these requirements through inductions, toolboxes and targeted training.    | EA/SS          | Prior to Site Establishment/<br>Site Establishment |
| G4                   | All complaints, including those related to property damage, are managed (including recording and response) in accordance with the Community Communication Strategy.<br>The following are available for community enquires and complaints: <ul style="list-style-type: none"> <li>A 24-hour telephone number</li> <li>A postal address</li> <li>An email address</li> </ul> | CRM            | Prior to Site Establishment/<br>Site Establishment |



| No.                          | Environmental safeguards   | Responsibility | Timing  |
|------------------------------|--|----------------|---|
|                              | <ul style="list-style-type: none"> <li>A mechanism for community members to make enquiries in common community languages of the area.</li> </ul>   |                |   |
| G5                           | A weekly environmental inspection checklist will be completed and will record ancillary facility management related issues.  | EM             | Site Establishment                              |
| <b>Traffic and Transport</b> |  |                |   |
| TT1                          | Provide safe routes and minimise impacts for pedestrians and cyclists during site establishment works.   | All            | Site Establishment                              |
| TT2                          | Limit vehicle movements to designated entries and exits and haulage routes. Site exits will be fitted with hardstand material or other appropriate measures to prevent tracking off-site (where required).   | CM/SS          | Site Establishment                              |
| TT3                          | Minimise construction vehicle parking on public roads by parking on site where practicable.  | CM/SS          | Site Establishment                              |
| TT4                          | The queuing and idling of construction vehicles in residential streets will be minimised through on-site parking and queuing arrangements  | CM/SS          | Site Establishment                              |
| TT5                          | A Traffic Control Plan (TCP) will be developed and implemented for each ancillary facility/construction compound which requires direct access/egress onto the local/arterial road network.   | TM/PE/CM       | Prior to Site Establishment/ Site Establishment |
| TT6                          | Road dilapidation reports to be prepared for potentially impacted road infrastructure. Mechanisms to repair damage to the road networks caused by the Project will be identified.  | TM/PE/CM       | Prior to Site Establishment/ Site Establishment |
| TT7                          | Drivers will be advised of designated vehicle routes, parking locations, acceptable delivery hours specific to the site and other relevant practices (i.e. minimising the use of engine brakes, no compression brakes, and no extended periods of engine idling).    | SS/PE/EA       | Prior to Site Establishment/ Site Establishment |
| TT8                          | Site Establishment related transport movements will be scheduled to avoid peak traffic periods and minimise Project related congestion, where possible.  | CM/PE/SS/TM    | Site Establishment                              |
| TT9                          | The Communications Strategy will include a mechanism to inform the community of the dates and durations of site establishment activities, including information about specific lane and road closures and the times of day and night when works will be carried out. | CM/PE/SS/TM    | Prior to Site Establishment/ Site Establishment |
| TT10                         | A mechanism will be provided for the community to report incidents and delays, such as a Project phone number. The contact mechanism will be communicated in accordance with the Project's communication strategy.   | CM/PE/SS/TM    | Prior to Site Establishment/ Site Establishment |
| <b>Air Quality</b>           |  |                |   |
| AQ1                          | Where reasonable and feasible, appropriate control methods will be implemented to minimise dust emissions from the Project site especially on high wind days.  | EA/SS          | Site Establishment                              |
| AQ2                          | Construction activities will be modified, reduced or controlled during high or unfavourable wind conditions if they have a potential to increase the generation or emission of dust.   | EA/SS          | Site Establishment                              |



| No.                        | Environmental safeguards  | Responsibility | Timing   |
|----------------------------|---|----------------|--|
| AQ3                        | Regular site inspections will be conducted to monitor for potential dust issues. Required actions and ongoing issues from the site inspection will be recorded and actioned appropriately within agreed timeframes by relevant Project personnel.                       | EM/EA/SS       | Site Establishment                               |
| AQ4                        | Control measures including water carts, sprinklers, sprays and the application of geo-binding agents will be utilised where applicable to control dust emissions. The frequency of use will be modified to accommodate prevailing conditions.                           | EA/SS          | Site Establishment                               |
| AQ5                        | Access roads within Project sites will be maintained and managed to reduce dust generation  | EA/SS          | Site Establishment                               |
| AQ6                        | Ensure that stockpiles of materials with the potential to result in dust emissions are adequately protected and managed to reduce potential dust generation and cross contamination   | EA/SS          | Site Establishment                               |
| AQ7                        | Dust suppression techniques will be used when cutting materials such as concrete or bricks will be undertaken in a manner that minimises the generation of dust, such as the wetting of the cutting face.   | SS             | Site Establishment                               |
| AQ8                        | All sealed surfaces within sites and site accesses will be managed to reduce dust generation and sediment tracking onto roads   | EM/CM          | Establishment                                    |
| AQ9                        | All construction vehicles and plant will be inspected regularly and maintained to ensure that they comply with relevant emission standards.   | SS/PE          | Site Establishment                               |
| AQ10                       | Engine idling will be minimised when plant is stationary, and plant will be switched off when not in use to reduce emissions.   | SS/PE          | Site Establishment                               |
| AQ11                       | The use of mains electricity will be favoured over diesel or petrol-powered generators where practicable to reduce site emissions (mains connects will be established where practicable for ancillary facilities).  | CM             | Site Establishment                               |
| AQ12                       | All loaded unsuitable fill material haulage trucks and other Project-related heavy vehicles carrying materials with the potential to result in dust generation will be covered to prevent dust emissions during transport in accordance with relevant road regulations. | SS/PE          | Site Establishment                               |
| AQ13                       | Demolition activities will be planned and carried out to minimise the potential for dust generation.  | SS/PE          | Prior to Site Establishment / Site Establishment |
| AQ14                       | Adequate dust suppression will be applied during all demolition works.  | CM/SS/PE       | Site Establishment                               |
| AQ15                       | Exposed soils will be temporarily stabilised during weather conditions conducive to dust generation and prior to extended periods of inactivity to prevent dust generation.   | CM/SS/PE       | Site Establishment                               |
| <b>Noise and Vibration</b> |   |                |  |
| NV1                        | Monitoring will be carried out at the commencement of activities for which a location and activity  | SS/EA          | Site Establishment                               |



| No.             | Environmental safeguards  | Responsibility | Timing  |
|-----------------|---|----------------|---|
|                 | specific noise and vibration impact assessment has been prepared to confirm that actual noise and vibration levels are consistent with noise and vibration impact predictions and that the management measures that have been implemented are appropriate   |                |   |
| NV2             | <p>The establishment of approved ancillary facilities will be undertaken during the following standard construction hours:</p> <ul style="list-style-type: none"> <li>▪ 7am to 6pm Mondays to Fridays, inclusive</li> <li>▪ 8am to 6pm Saturdays</li> <li>▪ At no time on Sundays or public holidays.</li> </ul> <p>Unless otherwise assessed and approved in accordance with the CNVMP.</p>  | EM/CM          | Site Establishment                              |
| NV3             | Where emergency works (those required to avoid injury or the loss of life, to avoid damage to property or to prevent environmental harm) are required to be undertaken outside of standard construction hours, the Environmental Representative and the EPA will be informed of the need for the works. In addition, noise and/or vibration affected receivers will also be informed of the likely impact and duration of the works where practicable.  | EM/CM          | Site Establishment                              |
| NV4             | <p>Highly noise intensive works that result in an exceedance of the applicable noise management levels at the same receiver must only be undertaken except as permitted by an EPL in accordance with CoA E19:</p> <ul style="list-style-type: none"> <li>• 7:00 am to 6:00 pm Mondays to Fridays, inclusive;</li> <li>• 8:00 am to 6:00 pm Saturdays; and</li> <li>• at no time on Sundays or public holidays. In continuous blocks not exceeding three</li> <li>• (3)hours each with a minimum respite from those activities and works of not less than (1) hour between each block</li> </ul> | EM/CRM/CM      | Site Establishment                              |
| NV5             | Plant and equipment will be chosen that meets sound power limits or be fitted with additional noise control measures such as mufflers, air intake and discharge silencers or sound absorbent industrial-grade foams where reasonable and feasible.  | EM/CM          | Prior to Site Establishment/ Site Establishment |
| NV6             | Any equipment not in use for extended periods shall be switched off. For example, heavy vehicles should switch engines off when not in use.   | EM/CM          | Site Establishment                              |
| NV7             | Only use equipment necessary during each stage of the work and avoid simultaneous operation of noisy plant and equipment within discernible range of a sensitive receiver where practicable.  | EM/CM          | Site Establishment                              |
| <b>Heritage</b> |   |                |   |
| H1              | Any items of potential heritage conservation significance or human remains discovered during construction will be managed in accordance with the <i>Standard Management Procedure Unexpected Heritage Items</i> (Roads and Maritime, 2015e).  | EM/CM          | Prior to Site Establishment/ Site Establishment |



| No.   | Environmental safeguards   | Responsibility | Timing  |
|---|--|----------------|---|
| H2  | If suspected Aboriginal heritage items or human remains are uncovered during construction they will be managed in accordance with the <i>Standard Management Procedure: Unexpected Heritage Items</i> (Roads and Maritime Services, 2015e).  | EM/CM          | Prior to Site Establishment/ Site Establishment |
| <b>Land Use and Property and Visual Amenity</b> |  |                |   |
| LVA1  | Access to all properties will be maintained during site establishment activities, where feasible and reasonable, unless otherwise agreed by the relevant property owner or occupier. Any access physically affected by the Project will be reinstated to at least an equivalent standard, unless agreed with by the property owner   | EM/CM/PE/SS    | Site Establishment                              |
| LVA2  | <p>A Communication Strategy will be prepared that details:</p> <ul style="list-style-type: none"> <li>▪ Procedures and mechanisms that will be implemented in response to the key social impacts identified for the Project</li> <li>▪ Property acquisition support services that will be provided</li> <li>▪ Procedures and mechanisms to communicate to Project stakeholders (including affected communities), the access and connectivity enhancements and new community and social facilities that will be delivered as part of the Project through the Social Infrastructure Plan and to update stakeholders on delivery progress</li> </ul> <p>Procedures and mechanisms that will be used to engage with affected business owners to identify potential access, parking, business visibility and other impacts to develop measures to address potential impacts on a case by case basis</p> | CRM/EM         | Prior to Site Establishment/ Site Establishment |
| LVA3  | Site establishment works will be conducted to minimise visual impacts where reasonable and feasible on nearby sensitive receivers. Where there is no noise wall or hoarding in place, boundary fencing must be installed to minimise visual, noise and / or air quality impacts on adjacent sensitive receivers. Other measures may include retention of existing vegetation or treatment of key temporary structures. Measures will be implemented as early as possible.  | EM/EA          | Prior to Site Establishment/ Site Establishment |
| LVA4  | Where hoarding is not required, sites will be screened, with shade cloth (or similar material) (where necessary) as early as possible to minimise visual impacts.  | CM/EM          | Site Establishment                              |
| <b>Soil and Water</b>                           |  |                |   |
| SW1   | Soil and water management measures consistent with Managing Urban Stormwater – Soils and Construction Vols 1 and 2, 4 <sup>th</sup> Edition (Landcom, 2004), including those listed in this table will be designed, installed and managed during the construction of the Project to minimise soil erosion and the discharge of sediment and other pollutants to land and/or waters.  | SS/EA          | Site Establishment                              |
| SW2   | Prevent soil erosion through minimising ground disturbance and sealing ground surfaces as soon as is practicable.  | SS/EA          | Prior to Site Establishment/ Site Establishment |
| SW3   | An Erosion and Sediment Control Plan (ESCP) will be developed and implemented for all ancillary facilities. The ESCPs will be updated where changes to site use, storage and conditions change.  | SS/EA          | Prior to Site Establishment/ Site Establishment |
| SW4   | Prior to forecast rainfall events of more than 10mm in 24 hours (>50% chance), end of day controls will be implemented throughout the worksite to help reduce erosion and control sediment. These are to be detailed on ESCPs for each area.   | EM             | Prior to Site Establishment                     |



| No.                               | Environmental safeguards   | Responsibility | Timing  |
|-----------------------------------|--|----------------|---|
| SW5                               | As a minimum, site facilities will be located outside high flood hazard areas based on a one per cent AEP flood.   | EM/CM          | Prior to Site Establishment/ Site Establishment |
| SW6                               | An Unexpected Contaminated Land and Asbestos Finds Procedure will be implemented to manage any potentially contaminated materials that may be encountered during site establishment works.   | EM/CM          | Prior to Site Establishment/ Site Establishment |
| SW7                               | A marker layer (or similar) will be established in ancillary facilities to cap potential contamination.  | EM/CM          | Site Establishment                              |
| <b>Biodiversity</b>               |  |                |   |
| B1                                | Weeds management during the site establishment works will be in accordance with the Project weed management protocols.<br>Prior to commencement of clearing, weeds located within the approved footprint of the ancillary facility will be 'tagged' to ensure weed material is kept separated from mulch during the clearing process, potentially transferring weeds throughout the site and offsite.<br>Weed material will be disposed of at an appropriately licensed waste receiving facility or managed in accordance with <i>Biosecurity Act 2015</i> or local council requirements.  | CM/PE/SS/EM    | Prior to Site Establishment/ Site Establishment |
| B2                                | Trees to be retained will be protected prior to the commencement of construction in accordance with AS4970-2009 Protection of trees on development sites and the Project's tree management strategy.<br>Any tree pruning will be undertaken in accordance with the Project's tree management strategy and carried out prepared by a qualified arborist.  | CM/PE/SS/EM    | Prior to Site Establishment/ Site Establishment |
| B3                                | The need to remove trees within the Project site will be avoided where practicable. For those trees that cannot be reasonably avoided, a tree management strategy will be developed, including measures to offset the loss of trees and achieve a net increase in tree canopy. The final location of replacement trees will be confirmed in consultation with Inner West Council and Sydney Airport Corporation.<br><br>The strategy will also include on-site processes and protective measures to ensure trees identified for retention are appropriately protected during construction. | CM/PE/SS/EM    | Prior to Site Establishment/ Site Establishment |
| <b>Health, safety and hazards</b> |  |                |   |
| HSH1                              | A spill response procedure will be developed as part of the Project's incident management protocols. The procedure and incident management protocols will detail processes, responsibilities and measures to manage hazardous substances and dangerous goods, including storage, handling and spill response, in accordance with legislative requirements.   | CM/PE/SS/EM    | Prior to Site Establishment/ Site Establishment |
| HSH2                              | The transport of dangerous goods will be undertaken in accordance with the Dangerous Goods (Road and Rail Transport) Regulation 2009 and the <i>Australian Code for the Transport of Dangerous Goods by Road &amp; Rail</i> (National Transport Commission, 2017).   | CM/PE/SS/EM    | Prior to Site Establishment/ Site Establishment |
| <b>Waste management</b>           |  |                |   |
| W1                                | Construction waste will be minimised by accurately calculating materials brought to the site and limiting materials packaging where possible.  | CM/PE/SS/EM    | Prior to Site Establishment/ Site Establishment |
| W2                                | All waste disposal will be in accordance with the <i>Waste Classification Guidelines</i> (NSW EPA, 2014).  | CM/PE/SS/EM    | Prior to Site Establishment/ Site Establishment |



| No. | Environmental safeguards   | Responsibility | Timing  |
|-----|--|----------------|---|
| W3  | Suitable areas will be identified to allow for contingency management of unexpected waste materials, including contaminated materials. Areas will be hardstand or lined areas that are appropriately stabilised and bunded, with sufficient space for stockpile storage. | CM/PE/SS/EM    | Prior to Site Establishment/ Site Establishment |





## Appendix C – Consultation Responses

| Condition of Approval SSI-9714 | Document                           | Agency          | Consultation Details   | Consultation Comments  | Document Reference |
|--------------------------------|------------------------------------|-----------------|--|--|--------------------|
| A16                            | Site Establishment Management Plan | TfNSW           | 25/02/2022 - Email sent to TfNSW listed contact providing the SEMP for review.<br><br>14/03/2022 – Email received from TfNSW detailing no comments.                          | No comments  | -                  |
|                                |                                    | Bayside Council | 24/02/2022 – Email sent to Bayside Council (three contacts) providing the SEMP for review and requesting comments by 18/03/2022.   | The sites to be enclosed with temporary fencing to keep out the Public.  | Section 6.1.1      |
|                                |                                    |                 | 21/02/2022 – Phone call to Bayside Council (Executive Engineer) and message left regarding status of SEMP review.  | Install silt control screens on the low side of each site to manage runoff into Council’s waterways or drainage systems.                         | Section 7.2        |
|                                |                                    |                 | 22/02/2022 – Phone call/discussion with Bayside Council (Executive Engineer). Request for plan to be re- sent and commitment received to provide formal comment on 23/03/22. | Place any hazardous materials in bunded areas to ensure any spills do not enter Council’s waterways or drainage systems.                         | Section 7.2        |
|                                |                                    |                 | 23/03/2022 – Email received with 7 comments.   | Keep sites clean and regularly sweep the adjacent roads in order to remove any debris / mud from Truck tyres entering and exiting the compounds. | Section 7.2        |
|                                |                                    |                 |  | Keep excessive noisy works on each compound to be finished by 10.30pm for the benefit of local residents.  | Section 6.3        |

|  |  |  |  |  |             |
|--|--|--|--|--|-------------|
|  |  |  | 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. | On completion of the Project remove the Compounds and restore the areas to pre construction condition. Council can inspect the sites with JHG to sign off these site restorations. | Section 4.3 |
|  |  |  | 16/12/2022 – Email received from Bayside Council regarding approval of the temporary closure.  | Comply with any additional requirements by Council that may arise during the course of the Project.  | Section 9.2 |
|  |  |  | 16/12/2022 – Updated SEMP including King Street amendments issued to Council (Executive Engineer) via email for information.   |  |             |

**From:** Nouhad Farah <Nouhad.FARAH@transport.nsw.gov.au>

**Sent:** Monday, 14 March 2022 5:36 PM

**To:** Youssef Soliman-JHG <Youssef.Soliman@jhg.com.au>

**Cc:** Hussein Elway <helway@artc.com.au>

**Subject:** RE: BRD Construction Environmental Management Plan (Sub-Plan) Consultation

Hi Youssef

Not comments from TfNSW.

**Nouhad Farah**

Project / Contract Manager

Greater Sydney

**Transport for NSW**



M 0411 102 007 [transport.nsw.gov.au](http://transport.nsw.gov.au)



Transport  
for NSW

**From:** Youssef Soliman-JHG <[Youssef.Soliman@jhq.com.au](mailto:Youssef.Soliman@jhq.com.au)>  
**Sent:** Friday, 25 February 2022 8:38 AM  
**To:** Nouhad Farah <[Nouhad.FARAH@transport.nsw.gov.au](mailto:Nouhad.FARAH@transport.nsw.gov.au)>  
**Cc:** Hussein Elway <[helway@artc.com.au](mailto:helway@artc.com.au)>  
**Subject:** BRD Construction Environmental Management Plan (Sub-Plan) Consultation

**CAUTION:** This email is sent from an external source. Do not click any links or open attachments unless you recognise the sender and know the content is safe.

Hi Nouhad,

In addition to the CEMP sub-plans, please find attached the Site Establishment Management Plan for the BRD Project. The Plan is supported by the CEMP sub-plans and provides details for the management of the establishment of the compounds for BRD.

If you have any questions or require further information please let me know. If you could please return comments by COB Friday 18<sup>th</sup> March it would be appreciated.

Best Regards,

**Youssef Soliman**

Interface Manager, Botany Rail Duplication

**JOHN  
HOLLAND**



Building D, 10 Bourke Road  
Mascot NSW 2020

P. +61 02 9685 5005 M. +61 0447 051 124

E. [Youssef.Soliman@jhg.com.au](mailto:Youssef.Soliman@jhg.com.au) W. [johnholland.com.au](http://johnholland.com.au)

**From:** Colin Mable <Colin.Mable@bayside.nsw.gov.au>

**Sent:** Wednesday, 23 March 2022 8:43 AM

**To:** Rachael Labruyere-JHG <Rachael.Labruyere@jhg.com.au>

**Subject:** RE: BRD Construction Environmental Management Plan (Sub-Plan) Consultation

Rachael,

I refer to your plans to establish temporary works compounds at the following locations:

1. General Holmes Drive Site
2. Botany Road Triangle Site
3. Mill Pond Site
4. Banksia Site

I wish to advise Council has no objection to the establishment of the above 4 sites to enable the construction of the Botany Rail Duplication Project subject to the following conditions:

1. The sites to be enclosed with temporary fencing to keep out the Public.
2. Install silt control screens on the low side of each site to manage runoff into Council's waterways or drainage systems.
3. Place any hazardous materials in bunded areas to ensure any spills do not enter Council's waterways or drainage systems.
4. Keep sites clean and regularly sweep the adjacent roads in order to remove any debris / mud from Truck tyres entering and exiting the compounds.
5. Keep excessive noisy works on each compound to be finished by 10.30pm for the benefit of local residents.
6. On completion of the Project remove the Compounds and restore the areas to pre construction condition. Council can inspect the sites with JHG to sign off these site restorations.
7. Comply with any additional requirements by Council that may arise during the course of the Project.

If you have any questions with the above advice please come back to me.

Regards





**Colin Mable** Executive Engineer

444 – 446 Princes Highway Rockdale

**M** 0412 915 287

**E** [colin.mable@bayside.nsw.gov.au](mailto:colin.mable@bayside.nsw.gov.au) **W** [www.bayside.nsw.gov.au](http://www.bayside.nsw.gov.au)

**From:** Rachael Labruyere-JHG <[Rachael.Labruyere@jhg.com.au](mailto:Rachael.Labruyere@jhg.com.au)>  
**Sent:** Tuesday, 22 March 2022 5:02 PM  
**To:** Colin Mable <[Colin.Mable@bayside.nsw.gov.au](mailto:Colin.Mable@bayside.nsw.gov.au)>  
**Subject:** FW: BRD Construction Environmental Management Plan (Sub-Plan) Consultation

Hi Colin – As discussed, please find attached the SEMP for BRD. If you have any questions please let me know.

Thanks

Rachael

**From:** Rachael Labruyere-JHG  
**Sent:** Thursday, 24 February 2022 6:11 PM  
**To:** 'colin.mable@bayside.nsw.gov.au' <[colin.mable@bayside.nsw.gov.au](mailto:colin.mable@bayside.nsw.gov.au)>; 'kate.ashton@bayside.nsw.gov.au' <[kate.ashton@bayside.nsw.gov.au](mailto:kate.ashton@bayside.nsw.gov.au)>; 'peter.barber@bayside.nsw.gov.au' <[peter.barber@bayside.nsw.gov.au](mailto:peter.barber@bayside.nsw.gov.au)>  
**Subject:** RE: BRD Construction Environmental Management Plan (Sub-Plan) Consultation

Hello Colin, Kate and Peter,

In addition to the CEMP sub-plans, please find attached the Site Establishment Management Plan for the BRD Project. The Plan is supported by the CEMP sub-plans and provides details for the management of the establishment of the compounds for BRD.

If you have any questions or require further information please let me know. If you could please return comments by COB Friday 18<sup>th</sup> March it would be appreciated.

Kind Regards

Rachael



## Rachael Labruyere

Environment Manager  
Botany Rail Duplication



FW: Botany Rail Duplication - King St TCP / ROL



Rachael Labruyere-JHG

To  Colin Mable

Cc  Loretta Mihaljek-JHG

You forwarded this message on 30/12/2022 9:05 AM.



BRD-JHG-EN-0000-MPL-14003 (5) Site Establishment Management Plan.pdf  
4 MB



Fri 30/12/2022 8:59 AM

Hi Colin – Further to the below, BRD have updated the SEMP to include the King Street temporary laydown area. Please find attached a copy of the updated SEMP and please let me know if you have any comments or questions.

If you could please confirm receipt of this email it would be appreciated.

Regards

Rachael



**From:** Nick Robson <[Nick.Robson@bayside.nsw.gov.au](mailto:Nick.Robson@bayside.nsw.gov.au)>  
**Sent:** Friday, December 16, 2022 11:30:34 AM  
**To:** Thy Pham-JHG <[Thy.Pham@jhg.com.au](mailto:Thy.Pham@jhg.com.au)>  
**Cc:** Cindy Tran-JHG <[Cindy.Tran2@jhg.com.au](mailto:Cindy.Tran2@jhg.com.au)>; Karim Elazar <[Karim.Elazar@bayside.nsw.gov.au](mailto:Karim.Elazar@bayside.nsw.gov.au)>  
**Subject:** RE: Botany Rail Duplication - King St TCP / ROL

Hi Thy,

Following our phone call, Council have assessed and evaluated the application for a Temporary Road Closure in King Street, and have no objections.

The permit for the closure will be issued early next year, once Karim comes back from leave.

Best Regards,



**Nick Robson** Engineering Officer  
444-446 Princes Highway, Rockdale NSW 2216  
P: 9366 3732  
E [Nick.Robson@bayside.nsw.gov.au](mailto:Nick.Robson@bayside.nsw.gov.au) W [www.bayside.nsw.gov.au](http://www.bayside.nsw.gov.au)

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## Appendix D – Condition A15 Review

Condition A15 of SSI 9714 (NSW) enables establishment of ancillary facilities where not identified by description and location in the EIS. The below table provides an overview of compliance with Condition A15 for the King Street facility which has been identified to extend beyond the EIS boundary.

| CoA    | Requirements  | Assessment   | Document Reference           |
|--------|---|--|------------------------------|
| A15    | 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:   | 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.   | N/A                          |
| A15(a) | They are located within or immediately adjacent to the construction boundary  | The location of the facility is immediately adjacent to the construction boundary, connecting with the construction boundary at Gate 19.   | Figure 5 (SEMP)              |
| A15(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; | 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, travellodge 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)           |
| A15(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;   | 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 the majority of the facility located within the road corridor.<br><br>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) and CSWMP. |
| A15(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 in relation to environmental, social and economic impacts.   | The facility will be established as detailed in this SEMP and managed as per the requirements of the CEMP.   | SEMP and CEMP                |

