

**NATIONAL
INTERMODAL**

Moorebank Avenue Realignment Works

Construction Heritage Management Plan

SSI - 10053
8 May 2023

NATIONAL INTERMODAL CORPORATION MOOREBANK AVENUE REALIGNMENT WORKS

CONSTRUCTION HERITAGE MANAGEMENT PLAN

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Report No

Date 8/05/2023

TECHNICAL SPECIALIST DETAILS

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ACRONYMS AND DEFINITIONS

Acronym	Definition
ACHA	Aboriginal Cultural Heritage Assessment
AHIMS	Aboriginal Heritage Information Management System
AHIP	Aboriginal Heritage Impact Permit
AHMP	Aboriginal Heritage Management Plan
Biobank	A voluntary biodiversity offset scheme aimed at helping to address the loss of biodiversity values by habitat degradation and loss.
CBNTAC	Cubbitch Barta Native Title Claimants Aboriginal Organisation
CCS	Community Communication Strategy
CEMP	Construction Environmental Management Plan
CHMP	Construction Heritage Management Plan
CoA	Conditions of Approval
Construction	Includes all work required to construct the Project as described in the EIS and RfS (NSW CoA A1) including commissioning trials of equipment and temporary use of any part of the Project but excluding Low Impact Work which is carried out or completed before approval of the CEMP.
DAWE	Department of Agriculture, Water and Environment
DNSDC	Defence National Storage and Distribution Centre
DPE	Department of Planning and Environment (formerly DPIE)
DPIE	Department of Planning, Industry and Environment (now DPE)
EIS	Environmental Impact Statement
EWMS	Environmental Work Method Statement
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EPBC Act	<i>Environmental Protection and Biodiversity Conservation Act 1999</i>
EPL	Environment Protection Licence
ER	Environmental Representative
EWMS	Environmental Work Method Statements
Heritage Act	<i>Heritage Act 1977</i>
HHMP	Historic Heritage Management Plan
Infrastructure Approval	SSI 10053 or NSW CoA
LCC	Liverpool City Council
MARW	Moorebank Avenue Realignment Works
MIP	Moorebank Intermodal Precinct, which includes Moorebank Precinct East (MPE) and Moorebank Precinct West (MPW)
MPE	Moorebank Precinct East

Acronym	Definition
MPE Site	Comprises the MPE Stage 1 Project as approved by SSD 14-6766 for the development of the intermodal terminal facility (IMT) at Moorebank and MPE Stage 2 as approved under SSD 7628 (as modified) and MPE Concept Approval (MP 10_0193) for the construction and operation of warehousing and distribution facilities and upgrades to approximately 2.1 kilometres of Moorebank Avenue.
MPW	Moorebank Precinct West
MPW Site	Comprises the MPW Stage 2 Project which is the second stage of development under the MPW Concept Approval (SSD 5066) and SSD 7709. The Project involves the construction and operation of a multi-purpose intermodal terminal facility. Rail link connection, warehousing and upgraded intersection on Moorebank Avenue.
NPW Act	<i>National Parks and Wildlife Act 1974</i>
NIC	National Intermodal Corporation
PAHA	Preliminary Aboriginal Heritage Assessment
Planning Secretary	Secretary to DPE
Project Site	Refers to the construction footprint which is approximately 18.96 hectares and includes access for the construction of road embankments and cuttings, temporary and permanent fencing, temporary and permanent water quality control basins, ancillary facilities, access roads and construction side roads. It is generally bounded by the Defence Joint Logistics Unit (DJLU), MPE, Boot Land and the Sydney Trains owned land adjacent to the East Hills Railway.
RAP	Registered Aboriginal Party
REMMs	Revised Environmental Management Measures
RtS	Response to Submissions
SEARs	Secretary's Environmental Assessment Requirements
Secretary	Secretary to the Department
SHR	State Heritage Register
SOHI	Statement of Heritage Impact
SSI	State significant infrastructure
The Project	Moorebank Avenue Realignment Works

1 INTRODUCTION

1.1 Context

This Construction Heritage Management Plan (CHMP or Plan) forms part of the Construction Environmental Management Plan (CEMP) for the Moorebank Avenue Realignment Works (MARW) (the Project).

This CHMP has been prepared to address the requirements of the NSW Minister's Conditions of Approval (CoA), Commonwealth CoA and the Revised Environmental Management Measures (REMMs) detailed in the Response to Submissions (RtS) and the applicable legislation.

1.2 Background and Project Description

National Intermodal Corporation (National Intermodal) plans to realign and upgrade a section of Moorebank Avenue. The Project involves the realignment of an existing two-kilometre section of Moorebank Avenue, from a point approximately 130 meters south of the Anzac Road/Moorebank Avenue intersection to a point immediately north of the East Hills Railway. Moorebank Avenue currently divides the Moorebank Intermodal Park (MIP) into the Moorebank East Precinct (MPE site) and the Moorebank West Precinct (MPW site) (refer to Figure 1.1).

The Project is about three kilometres of additional road which ties in with the existing Moorebank Avenue at the northern and southern extremities. From its northernmost point, the realigned Moorebank Avenue follows the northern boundary of the MPE site, before continuing south along the MPE Site eastern boundary. This section of the realignment comprises four lanes (i.e. two lanes in each direction). At the south-western corner of MPE, the additional road section merges to become a dual lane road (i.e. one lane in each direction) before continuing in a south-west direction, crossing Anzac Creek, and re-joining the existing Moorebank Avenue alignment near the East Hills Railway (refer to Figure 1.1). At completion and commissioning of the realigned road section, the public through traffic using Moorebank Avenue will be redirected onto the upgraded alignment. The existing road alignment will be decommissioned and modified to function as a restricted access to the MIP.

The Project Site is about 18.96 hectares and includes access for the construction of road embankments and cuttings, temporary and permanent fencing, temporary and permanent water quality control basins, ancillary facilities, access roads and construction side roads. It is generally bounded by the Defence Joint Logistics Unit (DJLU), MPE, Boot Land and the Sydney Trains owned land adjacent to the East Hills Railway (refer to Figure 1.1).

A detailed description of the Project is provided in Section 2 of the CEMP and is also shown on Figure 1.2.

The Project will not be staged but is anticipated to be undertaken in phases. Construction is expected to take approximately 16 months to complete.

An Environmental Impact Statement (EIS) for the Project was prepared in March 2021 to describe and assess the Project and recommend management measures to address impacts. The EIS was exhibited by the then NSW Department of Planning, Industry and Environment (DPIE) from 17 March 2021 to 13 April 2021 to give the community and stakeholders the opportunity to provide comment. A RtS was submitted in May 2021 to address the identified issues.

The Project was approved by the NSW Minister for Planning on 14 October 2021 as State Significant Infrastructure (SSI-10053) (Infrastructure Approval) under Division 5.2 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The Project is also a controlled action under Section 130(1) and 133(1) of

the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) and was approved by the Minister for the Environment on 7 December 2021 (EPBC Approval 2020-8839).

The EIS assessed the impacts of construction of the Project on Aboriginal and non-Aboriginal heritage. As part of EIS development, a preliminary Aboriginal Heritage Assessment and a Statement of Heritage Impact (SoHI) were prepared in accordance with the legislation. The preliminary Aboriginal Heritage Assessment and SoHI have been prepared to assess the likely Aboriginal and Non-Aboriginal heritage (cultural and archaeological) impacts. This was required by the Secretary's Environmental Assessment Requirements (SEARs) issued by the DPIE and the Commonwealth EIS Guidelines issued by the Commonwealth then the Department of Agriculture, Water and Environment (DAWE). The SoHI was included as Appendix H in the EIS and the preliminary Aboriginal Heritage Assessment was included as Appendix I in the EIS

Further assessment of Aboriginal heritage impacts was undertaken subsequent to exhibition of the EIS and incorporated into an Aboriginal Cultural Heritage Assessment (ACHA) technical report. The additional assessment considered the impacts on Aboriginal heritage due to the Project footprint. The ACHA was included in the RtS as Appendix F.

Revised Environmental Management Measures (REMMs) were provided within the RtS. Where applicable, the REMMs from the RtS have been included in this CHMP (refer to Section 3.3.1 and Appendix C).

1.3 Scope of the Plan

This CHMP is applicable to the construction stage of the Project. The CHMP describes how potential heritage impacts will be managed during construction of the Project, including the Unexpected Heritage Finds and Human Remains Procedure required as part of NSW CoA E13 (refer to Appendix D). Operational heritage impacts and operational measures do not fall within the scope of this CHMP and therefore are not included within the processes contained herein. Additionally, in line with NSW CoA A6 and outlined in the approved Project environmental risk assessment, the Historic Heritage Management Plan and Aboriginal Heritage Management Plan have been combined to form this CHMP.

1.4 Environmental Management System Overview

The environmental management framework for the Project is described in Section 3 of the CEMP. This CHMP forms part of the framework for the Project. The requirements of NSW and Commonwealth CoA and the REMMs identified in this CHMP will be complied with.

Management measures identified in this CHMP may also be incorporated into site or activity specific Environmental Work Method Statements (EWMS). EWMS incorporate appropriate mitigation measures and controls and identify key procedures to be used during construction activities. A template EWMS for use by is provided in Appendix E of the CEMP.

1.5 CHMP Endorsement and Approval

This CHMP and Unexpected Heritage Finds and Human Remains Procedure have been prepared to satisfy the NSW CoA's in relation to Aboriginal and Non-Aboriginal heritage management during of construction of the Project.

This CHMP will be reviewed by the Project Manager/ Delivery Team and will be endorsed by the Environmental Representative (ER) (refer to Appendix B) at least one month prior to the commencement of construction as nominated in the Project Risk Assessment Matrix approved by the Department of Planning and Environment (DPE) in accordance with NSW CoA A19. Construction of the Project will not commence prior to approval of the CEMP by the Secretary and endorsement of the CHMP by the ER. The final

approved Plan will be available on the MIP and/or National Intermodal website within 20 business days of approval by the Planning Secretary in accordance with Commonwealth CoA 15.

The ER can approve minor amendments to this CHMP if they do not increase impacts to nearby receivers, are of an administrative nature and are consistent with the conditions of the Infrastructure Approval. This does not include any modifications to the conditions of the Infrastructure Approval.

1.5.1 Interactions with Other Management Plans

This CHMP has the following interrelationships with other management plans and documents:

- Non-Aboriginal and Aboriginal heritage to be retained within construction worksites will be detailed in Sensitive Area Plans as detailed within Appendix D of the CEMP
- The Construction Biodiversity Management Plan detailing exclusions zone establishment and clearing and flagging protocols
- Consultation will be undertaken in accordance with the Community Communication Strategy (CCS) prepared by National Intermodal to address the requirements of NSW CoA B3
- Unexpected Heritage Finds and Human Remains Procedure (located in Appendix D).

1.6 Consultation

1.6.1 Consultation for Preparation of the CHMP

The following government agencies and stakeholders have been consulted with during the development of this CHMP:

- Heritage NSW
- Heritage Council of NSW
- Registered Aboriginal Parties (RAP).

A summary of the outcomes of the consultation with various agencies and stakeholders is provided in Table 1.1. Supplementary information demonstrating the consultation undertaken is included in Appendix A.

Table 1.1: Consultation Summary

Agency	Date	Person Contacted	Comment	Status
Heritage NSW & Heritage Council of NSW	22/12/2022	Public department number and mailbox	Public number was called to confirm contact email. Email was confirmed to be the same as Heritage Council of NSW. Follow up email introducing the project was sent.	Closed
	09/01/2023	Public mailbox	Response received from Heritage NSW confirming use of the heritagemailbox@environment.nsw.gov.au mailbox	
	01/03/2023	Public mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	

Agency	Date	Person Contacted	Comment	Status
	07/03/2023	DPE Portal	CHMP submitted for consultation through DPE portal after response from Heritage NSW requesting submission via the Major Projects portal. Consultation to close 3 April 2023.	
	12/03/23	Public mailbox	Email response received indicating no comment from Heritage NSW	
	30/03/2023	DPE Portal	Response received though DPE Portal	
	5/04/2023	Liverpool City Council	Liverpool City Council was sent a copy of the CHMP for information as recommended by Heritage NSW. National Intermodal called council to confirm whether there were any comments on the CHMP. Council had no comments.	
Registered Aboriginal Parties				
Tocomwall	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Barraby Cultural Services	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Didge Ngunawal Clan	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Wailwan Aboriginal Group	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	23/01/2023	Public Mailbox	Response received registering interest in the project	
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed

Agency	Date	Person Contacted	Comment	Status
Kamilaroi Yankuntajatjara Working Group	27/01/2023	Public Mailbox	Response received confirming receipt of project overview	
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Ngambaa Cultural Connections	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Tharawal Local Aboriginal Land Council	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Yurrandaali	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Guntawang Aboriginal Resources Incorporated	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	23/01/2023	Public Mailbox	Email received requesting inclusion in any field work	
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	31/03/2023	Public Mailbox	Email received expressing interest in any field work or site walk overs	
	14/04/2023	N/A	As per Section 1.6.2 and REMM ABH03, consultation will be maintained with the RAPs during construction. Subsequently should field work or site walk overs be required Guntawang Aboriginal Resources Incorporated would be contacted.	
Waawaar Awaab Aboriginal Corporation	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	20/01/2023	Public Mailbox	Discussed through project further over the phone with a Waawaar Awaab Aboriginal Corporation	

Agency	Date	Person Contacted	Comment	Status
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Clive Freeman	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	23/01/2023	Public Mailbox	Response received confirming receipt of project overview	
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Wori Woollywa	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
A1 Indigenous Services Pty Ltd	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Goodradigbee Cultural & Heritage Aboriginal Corporation	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Cubbitch Barta native Title Claimants Aboriginal Corporation	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	23/01/23	Public Mailbox	Called representative to confirm details. No response	
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023 Reply email requesting a hard copy of the CHMP received	
	21/03/2023	Public Mailbox	CHMP mailed to confirmed address	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed

Agency	Date	Person Contacted	Comment	Status
Corroboree Aboriginal Corporation	7/02/2023	Public Mailbox	Email received registering Corroboree Aboriginal Corporation in a full capacity for the project	
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Gunjeewong Cultural Heritage Corporation	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Gulaga	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Goobah Developments	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Darug Custodian Aboriginal Corporation	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Galamaay Cultural Consultants	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	
Biamanga	20/01/2023	Public Mailbox	Email introducing the project was sent.	Closed
	01/03/2023	Public Mailbox	CHMP Rev E emailed for consultation. Consultation to close 30 March 2023	

Agency	Date	Person Contacted	Comment	Status
	17/03/2023	Public Mailbox	Reminder email sent regarding closure of consultation on 30 March 2023	
	30/03/2023	N/A	Consultation window closed. No comment was received.	

1.6.2 Ongoing Consultation during Construction

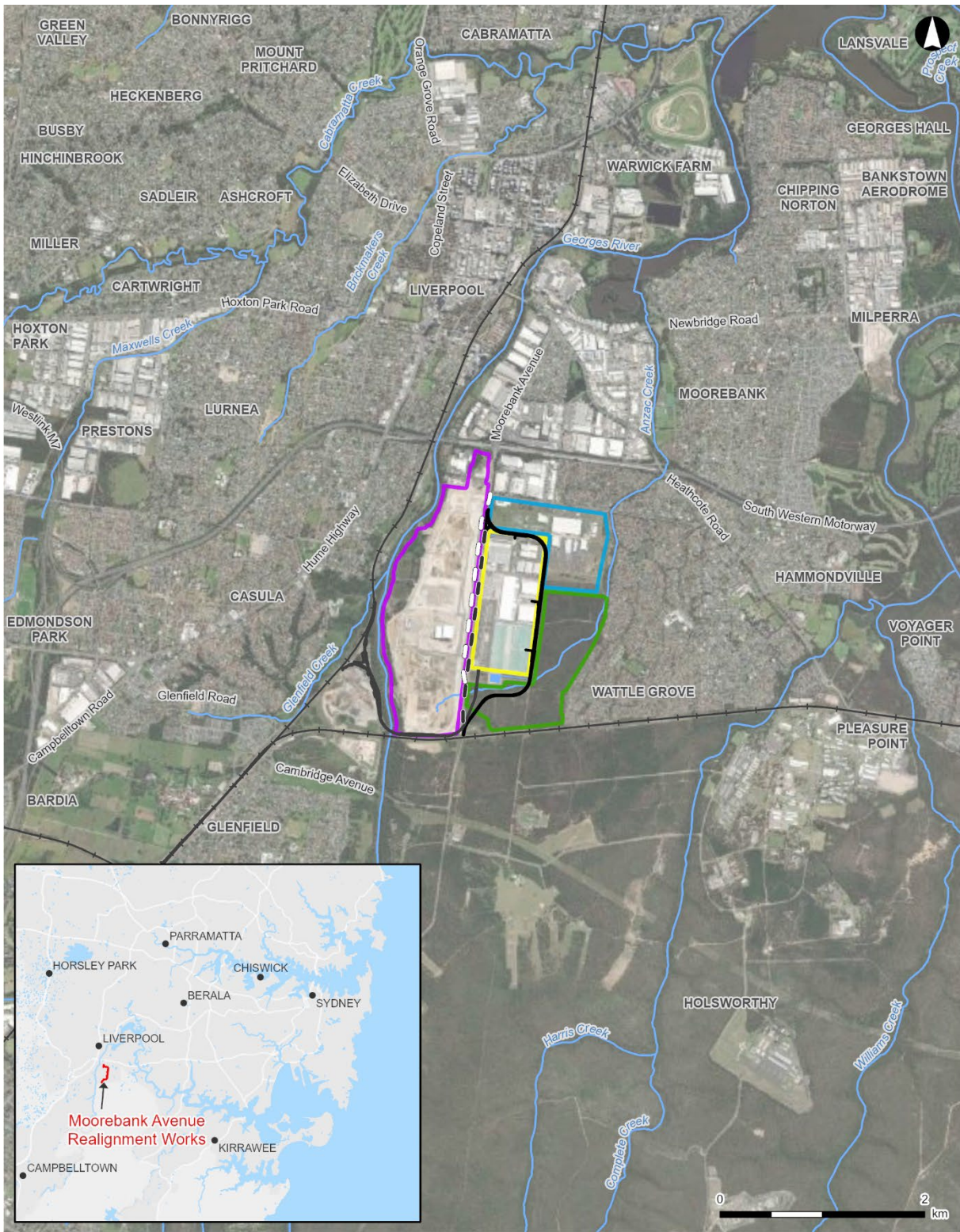
Consultation with stakeholders, the community and relevant agencies regarding the management of Aboriginal and Non-Aboriginal heritage values within the Project Site will be undertaken during the construction of the Project as required. The process for the consultation is documented in the CCS.

Specific requirements of relevance to the management of heritage values, which have emerged through consultation under the EIS and RtS are evident in the CoA and REMMs included in Section 6.3.

In accordance with the REMM ABH03, consultation will be maintained with the RAPs during construction and may include consultation as follows:

- Prior to heritage salvage
- Upon identification of unexpected finds
- During additional heritage assessment for proposed works beyond the current construction boundary.

Consultation will also be undertaken during detailed design to inform rehabilitation to restore the cultural landscape as per REMM ABH02.



Legend

- Moorebank Avenue Realignment Works
 - MIP Rail link
 - Previous Moorebank Avenue
 - Moorebank Avenue diversion road
 - Watercourse
 - Railway
 - Moorebank Precinct West
 - Moorebank Precinct East
 - Boot Land boundary*
 - Defence Joint Logistics Unit
 - On-site detention
- *relates to the parcel of land known as the Boot Land, does not indicate biobanking boundaries



1:55,000 at A4
 Coordinate System: GDA2020 MGA Zone 56
 Date issued: March 16, 2023
 Imagery: Esri, HERE, Garmin, USGS, Earthstar Geographics

Path: C:\Users\icb98137\ARCADIS\30144760 - Env Panel Minor Projects - W1011_CEMPI\01_Inputs\04_GIS\A_Current\B_Maps\CEMP\CEMP.aprx

Figure 1.1: Project Location



Legend

- Moorebank Avenue Realignment Works
- Construction footprint
- Construction compound
- Watercourse
- Railway



1:16,000 at A4
 Coordinate System: GDA2020 MGA Zone 56
 Date issued: March 30, 2023
 Imagery: Nearmap



Path: C:\Users\scb98137\ARCADIS\30144760 - Env Panel Minor Projects - W1011_CEMPI\01_Inputs\04_GIS\A_Current\B_Maps\CEMP\CEMP.aprx

Figure 1.2: Project layout

2 PURPOSE AND OBJECTIVES

2.1 Purpose

The purpose of the CHMP is to describe how construction impacts on Aboriginal and Non-Aboriginal heritage will be minimised and managed during the construction of the Project.

2.2 Objectives

The key objective of the CHMP is to ensure that Aboriginal and Non-Aboriginal cultural heritage impacts are managed appropriately throughout the construction of the Project and consider the mitigation and management measures referred to in:

- *The Preliminary Aboriginal Heritage Assessment* prepared by EMM for Sydney Intermodal Terminal Alliance dated 30 October 2020 (EMM 2020a)
- *The Statement of Heritage Impact* prepared by EMM for Sydney Intermodal Terminal Alliance dated 30 October 2020 (EMM 2020b)
- NSW Minister's Infrastructure Approval dated 14 October 2021 (SSI-10053)
- Federal Minister for the Environment Approval dated 7 December 2021 (EPBC 2020-8839)
- *Moorebank Avenue Realignment Environmental Impact Statement Volume 1 and Volume 2* prepared by EMM for Sydney Intermodal Terminal Alliance dated March 2021 (EIS) (EMM 2021a)
- *Moorebank Avenue Realignment Response to Submissions* prepared by EMM for Sydney Intermodal Terminal Alliance dated May 2021 (RtS) (EMM 2021b)
- *Aboriginal Cultural Heritage Assessment Report: Moorebank Avenue Realignment* prepared by EMM for Sydney Intermodal Terminal Alliance dated 13 May 2021 (EMM 2021c).

2.3 Targets

Table 2.1 details the targets established for the management of Aboriginal and Non-Aboriginal heritage impacts during construction of the Project:

Table 2.1: Project environmental targets for Aboriginal heritage and Non-Aboriginal heritage

Objective	Target	Timeframe	Responsibility
Maintain compliance with relevant NSW and Commonwealth CoA and applicable legislation.	No written warnings or infringement notices Zero non-compliance	Throughout construction	Construction Contractor
Implement controls and procedures during construction activities to avoid, minimise or manage potential adverse impacts to Aboriginal and Non-Aboriginal heritage within and adjacent to the Project corridor.	No impact to retained heritage values	Throughout construction	Construction Contractor

Objective	Target	Timeframe	Responsibility
Maintain consultation with RAPs throughout the construction of the Project.	No complaints in relation to consultation with RAPS during construction of the Project	Throughout construction	Construction Contractor Community Liaison Officer
Any Aboriginal or Non-Aboriginal unexpected finds and/or human remains discovered during construction of the Project will be handled in accordance with the Unexpected Heritage Finds and Human Remains Procedure in accordance with NSW CoA E13.	100% compliance	Throughout construction	Construction Contractor
Any new Aboriginal objects and/or sites, and areas of archaeological sensitivity that are uncovered during construction are recorded and submitted to the AHIMS database using the AHIMS Site Recording Forms in accordance with REMMs ABH05.	100% compliance	Throughout construction	Construction Contractor
Project personnel are trained and inducted on heritage items, protection measures and unexpected heritage item procedures before work commences.	100% of relevant staff	Before and throughout construction	Construction Contactor

3 ENVIRONMENTAL REQUIREMENTS

3.1 Relevant Legislation and Guidelines

3.1.1 Legislation

All legislation relevant to the Project is included in Appendix B of the CEMP. Legislation considered during the development of the CHMP includes:

- *Environmental Planning and Assessment Act 1979* (EP&A Act)
- *Heritage Act 1977* (Heritage Act)
- *National Parks and Wildlife Act 1974* (NPW Act)
- *National Parks and Wildlife Amendment (Aboriginal Objects and Aboriginal Places) Regulation 2019*
- *Public Health Act 2010*
- *Public Health Regulation 2012*.

3.1.2 Additional Approvals, Licences, Permits and Requirements

Refer to Appendix B of the CEMP.

3.1.3 Guidelines and Standards

The main guidelines, specifications, and policy documents relevant to the development of the CHMP include:

- Code of Practice for the archaeological investigation of Aboriginal objects in NSW (DECCW 2010a)
- Aboriginal cultural heritage consultation requirements for proponents 2010 (DECCW 2010b)
- Due Diligence Code of practice for protection of Aboriginal objects in NSW (DECCW 2010c)
- Dhawura Ngilan: vision for Aboriginal and Torres Strait Island heritage in Australia and the best practice standards (Heritage Chairs of Australia and New Zealand 2020)
- NSW Heritage Manual (Heritage Office 1996).

3.2 Commonwealth Approval

The Project is considered a controlled action under the EPBC Act and is therefore subject to Commonwealth CoA's. There are no Commonwealth CoA related to Aboriginal and Non-Aboriginal heritage management.

3.3 NSW Infrastructure Approval

The requirements of the Infrastructure Approval relevant to the development of this CHMP are detailed in Table 3.1. These are defined as 'primary NSW CoA' and specifically relate to the development of the CHMP. Secondary CoA relevant to, but not specific to the development of the CHMP, have been listed in Appendix C. A cross reference is also included to indicate where the CoA is addressed in the CHMP or other Project plans.

Table 3.1: Primary NSW CoA relevant to the CHMP

No.	Requirements	Document reference
A5	Where the terms of this approval require a document or monitoring program to be prepared or a review to be undertaken in consultation with identified parties, evidence of the consultation undertaken must be submitted to the Planning Secretary with the document. The evidence must include:	Section 1.5 Section 1.6 Appendix A
	(a) Documentation of the engagement with the party identified in the condition of approval that has occurred before submitting the document for approval	Section 1.6 Appendix A
	(b) A log of the dates of engagement or attempted engagement with the identified party	Section 1.6 Appendix A
	(c) Documentation of the follow-up with the identified party where engagement has not occurred to confirm that they do not wish to engage or have not attempted to engage after repeated invitations	Section 1.6 Appendix A
	(d) Outline of the issues raised by the identified party and how they have been addressed	Section 1.6 Appendix A
	(e) A description of the outstanding issues raised by the identified party and the reasons why they have not been addressed	Section 1.6 Appendix A
A6	A strategy, plan or program (or the like) required by the terms of this approval may be combined with any other strategy(ies), plan(s) or program(s) with the agreement of the Planning Secretary.	Section 1.3
C6	CEMP sub-plans as identified in documents listed in Condition A1 must be prepared in consultation with relevant government agencies and stakeholders. Relevant government agencies and stakeholders must be nominated in the risk assessment matrix submitted to the Planning Secretary require in accordance with Condition A14 or A19. Details of all information requested by an agency during consultation must be provided to the Planning Secretary as part of any submission of the relevant CEMP sub-plan, including copies of all correspondence from those agencies as required by Condition A5.	The CHMP Section 1.6 Appendix A
C7	The CEMP Sub-plans must state how:	CHMP
	(a) the environmental performance outcomes identified in the documents listed in Condition A1 will be achieved;	Section 2.2 Section 2.3 Section 6 Section 7 Section 8
	(b) the mitigation measures identified in the documents listed in Condition A1 will be implemented;	Section 6
	(c) the relevant terms of this approval will be complied with; and	Section 7 Table 3.1 Table 3.2 Table 6.1 Appendix C

No.	Requirements	Document reference
	(d) issues requiring management during construction (including cumulative impacts), as identified through ongoing environmental risk analysis, will be managed through SMART principles.	Section 2.2 Section 2.3 Section 5.3 Section 5.1
C8	With the exception of any CEMP Sub-plans expressly nominated by the Planning Secretary to be endorsed by the ER, all CEMP sub-plans must be submitted to the Planning Secretary for approval. <i>Note: The Planning Secretary will consider the assessment of the predicted level of environmental risk and potential level of community concern required under Condition A14(e) when deciding whether any CEMP Sub-plans may be endorsed by the ER.</i>	Section 1.5 Appendix B
C9	The CEMP Sub-plans not requiring the Planning Secretary's approval must obtain the endorsement of the ER as being in accordance with the conditions of approval and all relevant undertakings made in the documents listed in Condition A1. Any of these CEMP Sub-plans must be submitted to the ER with, or subsequent to, the submission of the CEMP but in any event, no later than one (1) month before construction or where construction is staged no later than one (1) month before the commencement of that stage	Section 1.5 Appendix B
C10	Any of the CEMP Sub-plans to be approved by the Planning Secretary must be submitted to the Planning Secretary with, or subsequent to, the submission of the CEMP but in any event, no later than one (1) month before construction or where construction is staged no later than one (1) month before the commencement of that stage.	Not applicable – see Section 1.5 Appendix B
C11	Construction must not commence until the CEMP and all CEMP Sub-plans have been approved by the Planning Secretary or endorsed by the ER (whichever is applicable), unless otherwise agreed by the Planning Secretary. The CEMP and CEMP Sub-plans, as approved by the Planning Secretary or endorsed by the ER (whichever is applicable), including any minor amendments approved by the ER, must be implemented for the duration of construction.	Section 1.5 Appendix B
E13	An Unexpected Heritage Finds and Human Remains Procedure must be prepared to manage unexpected heritage finds in accordance with any guidelines and standards prepared by the Heritage Council of NSW or Heritage NSW.	Appendix D
E14	The Unexpected Heritage Finds and Human Remains Procedure must be prepared by a suitably qualified and experienced heritage specialist in consultation with the Heritage Council of NSW and Heritage NSW and submitted to the Planning Secretary for information no later than one month before the commencement of construction.	Section 1.5 Section 1.6
E15	The Unexpected Heritage Finds and Human Remains Procedure, as submitted to the Planning Secretary, must be implemented for the duration of construction. <i>Note: Human remains that are found unexpectedly during the carrying out of work may be under the jurisdiction of the NSW State Coroner and must be reported to the NSW Police immediately. Management of human remains in NSW is subject to requirements set out in the Public Health Act 2010 and Public Health Regulation 2012.</i>	Section 1.5
Appendix A: Aboriginal Heritage Management Plan Requirements		
(a)	An Aboriginal Heritage Management Plan must: be prepared by a suitably qualified and experienced person	Cover page
(b)	be prepared in consultation with Heritage NSW and the RAPs. The RAPs must be provided with a reasonable opportunity, being at least 28 days, to provide comment on a draft Aboriginal Heritage Management Plan	Section 1.6

No.	Requirements	Document reference
(c)	include a protocol for ongoing consultation with the RAPs for the duration of construction	Section 1.6.2
(d)	include up to date recording and mapping of known Aboriginal objects in and adjacent to the construction footprint	Section 4.2.1 Figure 4.1
(e)	include evidence of adequate archaeological survey coverage	Section 4.2
(f)	explain any additional archaeological investigations required or justify why these may not be required.	Section 4.2.1
(g)	<p>require an Aboriginal Site Impact Recording Form to be completed and submitted to the AHIMS Registrar for each AHIMS site identified within the construction boundary within 4 months of the completion of the actions authorised by the terms of this approval</p> <p><i>Note:</i> i) The Aboriginal Site Impact Recording Form can be found at https://www.heritage.nsw.gov.au/protecting-our-heritage/record-aboriginal-sites/ ii) Contact details for the AHIMS Registrar can be found at https://www.heritage.nsw.gov.au/searchfor-heritage/aboriginal-heritage-information-management-system/</p>	Section 6.1.1
(h)	include measures to prevent harm to Aboriginal objects outside the construction boundary	Appendix D CEMP Section 7.5 Table 6.1 MM CH4
(i)	include measures to monitor and report on the effectiveness of measures to prevent harm to Aboriginal objects	Section 7.3 Section 7.5
(j)	ensure any workers on site receive suitable Aboriginal cultural heritage induction(s) prior to carrying out any activities which may disturb Aboriginal sites, and that suitable records are kept of these inductions	Section 7.2
(k)	include an Unexpected Heritage Finds and Human Remains Procedure	Appendix D
(l)	provide a methodology for surface collection of Aboriginal objects within the construction boundary that includes:	Section 6.1
	i) providing opportunity for a representative or representatives of the Registered Aboriginal Parties to collect Aboriginal objects on the ground surface and within the construction boundary before the start of any ground disturbance works	Section 6.1.1
	ii) a description of any temporary storage location for any collected Aboriginal objects	Section 6.1.2
	iii) procedures for the long-term protection, storage and management of collected Aboriginal objects, to be implemented within 12 months of the collection occurring	Section 6.1.2

3.4 Revised Environmental Management Measures

The REMMs relevant to the development of this CHMP, defined as ‘primary REMMs’ are detailed in Table 3.2. A cross reference is also included to indicate where the REMM is addressed in the CHMP or other Project plans. Secondary REMMs relevant to, but not specific to the development of the CHMP, have been listed in Appendix C.

Table 3.2: Primary REMMs relevant to the development of the CHMP

No.	Requirements	Timing	Document reference
HIH01	A Historic heritage management plan (HHMP) will be developed for the Project post-approval and will be encompassed within the CEMP. The HHMP will provide details for the ongoing management and maintenance of historic heritage management and mitigation measures during the construction phase of the Project.	Prior to construction	Combined with the AHMP into the CHMP (refer to Section 1.3) Section 6.2 Section 7 Appendix D
HIH02	If unanticipated finds, including potential relics, is found during Project activities, work in the vicinity (i.e. within 10 m) will cease until an assessment of the find is made by an archaeologist. An Unexpected Finds Protocol will be developed for the Project and encompassed within the CEMP.	During construction	Appendix D
ABH01	Prior to ground disturbance, an AHMP must be developed by a heritage specialist in consultation with the Aboriginal stakeholders and consent authority to provide the post-approval framework for managing Aboriginal heritage within the study area. The AHMP should include the following issues:	Prior to construction	Combined with HHMP into the CHMP (refer to Section 1.3)
	processes, timing, and communication methods for maintaining Aboriginal community consultation and participation through the remainder of the Project;	Prior to construction	Section 1.6
	procedures for identifying and managing any culturally modified trees and/or vegetation with cultural values identified within the study area as the Project progresses;	Prior to construction	Section 4.2.1 Appendix D
	descriptions and methods of any additional investigative and/or mitigative archaeological actions that may be required prior to works commencing or during the Project. These may include cultural inductions for all personnel and subcontractors outlining the past history and sensitivity of the region, archival recording, archaeological excavation and/or cultural monitoring for any areas where the surface impacts of the Project intersect the identified Aboriginal objects and/or sites, and/or areas of archaeological sensitivity, and any additional requirements identified by the Aboriginal community;	Prior to construction	Section 6.1 Section 7.2 Section 7.3 Section 7.5
	procedures for managing the unexpected discovery of Aboriginal objects, sites and/or human remains during the Project;	Prior to construction	Appendix D

No.	Requirements	Timing	Document reference
	procedures for the curation and long-term management of cultural materials recovered as part of the works outlined in the AHMP and any preceding stages associated with the Project; and	Prior to construction	Section 6.1.2 Section 7.3 Appendix D
	processes for reviewing, monitoring, and updating the AHMP as the Project progresses.	Prior to construction	Section 8
ABH02	The CEMP, or equivalent, should reinforce how the cultural landscape is considered throughout the Project and detail the rehabilitation of the Project area. In discussion with the Aboriginal community, rehabilitation of areas where infrastructure is not remaining after the Project should be undertaken to determine suitable ecological communities and other factors in returning the cultural landscape as close to its current state as feasible.	Prior to construction	Section 1.6.2 Detailed Design Urban Design and Landscape Plan CBMP Section 6.4.2, Table 6.2 (MM16, MM17 and MM18)

4 EXISTING ENVIRONMENT

4.1 Key References

The sources of data and information for the Aboriginal and Non-Aboriginal assessments carried out and used to develop this CHMP are Section 7.8, Section 7.9, Appendix H and Appendix I of the Project EIS, and Section 5.2 and Appendix F of the Project RfS.

The Project boundary and relevant Aboriginal and Non-Aboriginal heritage data is shown on the Sensitive Area Plans included in Appendix D of the CEMP.

Key components of the methodology used in the SOHI, Preliminary Aboriginal Heritage Assessment and ACHA included:

- Desktop review of existing and publicly available environmental and archaeological information, including:
 - National Heritage List
 - Commonwealth Heritage List
 - State Heritage Register
 - Section 170 Register
 - Liverpool Local Environmental Plan
 - National Trust of Australia (NSW Branch)
 - Register of the National Estate
 - Aboriginal Heritage Information Management System (AHIMS) register
- Review of previous archaeological studies, including:
 - Aboriginal Heritage Impact Assessment (Archaeological and Heritage Management Solutions Pty Ltd 2015)
 - Moorebank Proposed Intermodal Terminal – Heritage Assessment (Artefact Heritage Services Pty Ltd, 2013)
 - Summary of excavation results and future management of potential archaeological resources within Moorebank Precinct East (MPE) PADs V and W (Artefact Heritage Services Pty Ltd 2018)
 - Heritage Interpretation Strategy (Artefact Heritage Services Pty Ltd 2017)
 - Aboriginal Archaeological Survey of Department of Defence Lands at Moorebank (Steele and Dallas, 2001)
 - Aboriginal Cultural Heritage Assessment (Archaeological and Heritage Management Solutions Pty Ltd, 2012)
 - Aboriginal Heritage Assessment (Navin Officer Project Archaeologists Pty Ltd, 2014)
 - Moorebank Intermodal Terminal: Archaeological Salvage Report (Biosis Pty Ltd, 2018)
- Field surveys and inspections to:
 - Record non-indigenous heritage potential along the eastern boundary of the MPE and in the southern sector

- Ground truth findings of the desktop assessment
- Identify cultural materials and/ or places and conduct an archaeological survey of the area.
- Consultation with RAPs.

The following sections summarise existing Aboriginal and Non-Aboriginal heritage within and adjacent to the Project Site.

4.2 Aboriginal Heritage

4.2.1 Known Aboriginal Cultural Heritage Values

4.2.1.1 Surrounding Area

A large number of previous archaeological studies have been undertaken within, or in close proximity to the Project Site. These were primarily focussed on the development of MPE and MPW, and have included survey, investigative and salvage excavations of cultural deposits. These all primarily demonstrate that Georges River, some 1 kilometre west of the Project Site, formed an area of Aboriginal occupation and visitation in the past, with deposits extending up to 18,000 years ago. Conversely, areas further away from Georges River can be characterised as containing evidence of only ephemeral use, usually in the form of low-density stone artefactual material on the surface and/or shallowly buried.

One survey was completed on 6 March 2020 during the assessment phase of the Project. The survey traversed the Project Site, in addition to the northern and western sections of the MPE site, and the southern portion of Moorebank Avenue to the East Hills Railway. The survey demonstrated that the survey area had been heavily impacted by a range of activities, including land clearing, high voltage power lines, re-alignment of Anzac Creek, and earthworks; only a narrow strip of the rifle range “Danger Zone”, between the MPE site and suburb of Wattle Grove, and small sections of the southern Boot Land (inclusive of the construction footprint and the Biobank offset site (BA341) conservation area) between the disused railway spur and the MLP Rail link, appears to have been subjected to limited ground surface disturbance, and may retain undisturbed soils or native vegetation. It was determined that there is very low potential for remaining Aboriginal objects both within the Biobank offset site and the construction footprint. Note that no impacts to the Biobank offset site (BA341) will occur.

4.2.1.2 Project Site

Desktop and field investigation identified eight Aboriginal sites within the Project Site (MAR IF1-6 inclusive; MPE IF 7; PAD 3), of which one is considered destroyed (MPE IF 7) and one has been discounted/declassified based on previous test excavations (PAD 3) (refer to Figure 4.1).

Table 4.1 lists the remaining six sites and their details. All sites were recorded in disturbed contexts and assessed as having low archaeological and cultural significance. Attempts to locate a previously identified site (MPE IF7; AHIMS ID 45-5-5453) were unsuccessful and it is therefore considered destroyed.

No further archaeological assessment was recommended for the Project Site as stated in Section 7.3 of the Preliminary Aboriginal Heritage Assessment (PAHA) (Appendix I of the EIS); however, salvage is recommended as detailed in Section 6.1. This finding was included in the PAHA and presented to the Aboriginal stakeholders and Cubbitch Barta Native Title Claimants Aboriginal Organisation (CBNTAC) where a single set of comments was received from CBNTAC (refer to Appendix B of the PAHA). The comments provided by CBNTAC gave no indication that further assessments or investigations are required as *“the study area [Project Site] is heavily disturbed from previous activities, and no areas of buried cultural material are considered likely to be present. In addition, archaeological excavations in the vicinity of the key*

archaeological landform – Anzac Creek – have already been undertaken and failed to identify any significant cultural materials".

The Construction Contractor will be responsible for managing and engaging the Project Archaeologist who will be responsible for the salvage outlined in Section 6.1.

Table 4.1: Aboriginal cultural heritage sites within the Project

AHIMS ID	Site name	Site type	Object description	Site Context	Significance (Overall)	Coordinates (GDA Zone 56) East	Coordinates (GDA Zone 56) North
45-5-5495	MAR IF1	Isolated find	A silcrete bifacial core on exposed access track	Disturbed; along sandy tracks beneath power lines	Low	308605	6240671
45-5-5496	MAR IF2	Isolated find	A silcrete bifacial core on exposed access track	Disturbed; along sandy tracks beneath power lines	Low	308611	6240619
45-5-5497	MAR IF3	Isolated find	A quartz angular fragment on exposed access track	Disturbed; along sandy tracks beneath power lines	Low	308542	6240192
45-5-5498	MAR IF4	Isolated find	A broken silcrete flake on exposed access track	Disturbed; along sandy tracks beneath power lines	Low	308624	308624
45-5-5499	MAR IF5	Isolated find	A silcrete angular fragment on exposed access track	Disturbed; along sandy tracks beneath power lines	Low	308634	6240793
45-5-5500	MAR IF6	Isolated find	An indurated mudstone flake on a modified drainage line	Heavily modified and landscaped area next to an artificial drainage channel	Low	308706	6241620

Should additional Aboriginal heritage objects be identified through the course of works, works will cease immediately, and the Unexpected Finds and Human Remains Procedure will be followed (refer to Appendix D).



- Legend
- Moorebank Avenue Realignment Works
 - - - Construction footprint
 - +— Railway
 - ~ Watercourse
 - Recorded AHIMS



1:15,000 at A4
 Coordinate System: GDA2020 MGA Zone 56
 Date issued: April 3, 2023
 Imagery: Neumap



Path: C:\Users\cb98137\ARCADIS\30144760 - Env Panel Minor Projects - W1011 CEMP-01 Inputs\04 GIS\A_Current\B_Maps\CHMP\CHMP.aprx

Figure 4.1: Location of Aboriginal sites and isolated finds across the Project.

4.3 Non-Aboriginal Heritage

4.3.1 Known Non-Aboriginal Heritage Values

4.3.1.1 Surrounding Area

The Project Site is within the viewshed of the state significant Glenfield Farm (State Heritage Register (SHR) item 00025, Liverpool LEP I14). The potential visual impact of the Project was assessed as low, as the outlook from Glenfield Farm has already been interrupted by the East Hills rail line and the Glenfield waste facility.

4.3.1.2 Project Site

The potential impacts to Non-Aboriginal heritage that may arise from the Project were assessed in a SOHI (refer to Appendix H of the EIS). A survey of the Project Site was undertaken as a part of this assessment which identified that no remaining items of Non-Aboriginal heritage significance remained (refer to Figure 4.2).

The Project Site is not listed within Schedule 5 of the Liverpool Local Environmental Plan (LEP) 2008¹. The potential for archaeological material is low.

¹ The LEP 2008 mapping (HER-013) identifies the Project Site as located within the item 57, however the listing for this, within Schedule 5, includes a different parcel of land (i.e. the Lot and DP for the Project Site are not listed).



Legend

- | | |
|------------------------------|---|
| Moorebank Avenue Realignment | Heritage |
| Construction footprint | Casula Powerhouse Arts Centre (former power station) |
| Railway | Former Australian Army Engineers Group |
| Watercourse | Former Defence National Storage and Distribution Centre |
| | Former School of Military Engineering |
| | Glenfield Farm Group |



1:19,000 at A4
 Coordinate System: GDA2020 MGA Zone 56
 Date issued: April 3, 2023
 Imagery: Nearmap



Path: C:\Users\cb96137\ARCADIS\30144760 - Env Panel Minor Projects - W0111 CEMPI01 Inputs\04 GISVA_Current\B_Maps\CHMP\CHMP.aprx

Figure 4.2: Location of Non-Aboriginal heritage sites and items

5 ENVIRONMENTAL ASPECTS AND IMPACTS

5.1 Construction Activities

Section 2.3 of the CEMP provides an overview of the construction activities that have the potential for environmental impact. The potential risks have been identified based on the outcomes of the risk assessment provided in Appendix C of the CEMP. The Potential environmental aspects and impacts associated with construction are identified in Table 4-1 of the CEMP.

Key aspects of the Project that could result in impacts to Aboriginal and Non-Aboriginal heritage include:

- Preliminary enabling works
- Construction of ancillary facilities, site compounds and storage areas for plant, construction materials and spoil
- Initial clearing and grubbing of vegetation
- Initial topsoil removal
- Earthworks and excavations during construction
- Temporary access roads
- Drainage infrastructure.

5.2 Aboriginal and Non-Aboriginal Heritage Impacts

Construction of the Project may result in direct and indirect impacts to Aboriginal and Non-Aboriginal heritage, including:

- Visual impacts to heritage properties adjacent to the Project Site
- Unexpected finds for Aboriginal and Non-Aboriginal heritage items
- Unexpected human remains findings
- Accidental damage to buried cultural material.

The aim of the environmental management measures provided in Section 6 is to minimise the potential impacts on Aboriginal and Non-Aboriginal heritage of the Project.

5.2.1 Aboriginal Heritage Impacts

Six low significance Aboriginal sites (MAR IF1-6) were identified as part of the ACHA, as highlighted in Table 4.1. All cultural material identified was either identified on the current land surface and/or buried within the upper ~1 m of the soil profile. Construction activities would result in direct impacts to these sites and deposits. Specifically, all isolated Aboriginal objects on the current land surface will be lost or destroyed as part of the Project. Given all sites are of low significance, impacts to Aboriginal heritage associated the Project construction are considered minor, where mitigation and management measures will be employed in accordance with Infrastructure Approval to manage any further impacts (refer to Section 6.3).

5.2.2 Non-Aboriginal Heritage Impacts

There are currently no known areas of archaeological significance for Non-Aboriginal heritage and no known items of Non-Aboriginal heritage significance within the Project Site. However, the EIS identified several heritage sites located within and along the boundary of the Project Site, which is predominantly located within the Australian Army Engineers Group/ School of Military Engineering (refer to Section 4.3.1).

The Project will modify the landscape, however, as the adjacent sites have been previously impacted by prior developments (i.e. MPE site), the impacts on any potential remaining buried heritage material have been assessed as nil to negligible. The SOHI noted that the heritage significance of the area was previously impacted by the MPE, MPW and the MLP Rail Link projects which included the construction of intermodal terminal facilities, landscape modification and the demolition of heritage buildings associated with the DNSDC.

Consequently, views on, and adjacent to the Project Site, have shifted to reflect a more infrastructure/ industrial context as a result of the abovementioned developments. Construction activities associated with the Project will therefore have minimal impacts to existing heritage.

5.3 Cumulative impacts

Cumulative Aboriginal and Non-Aboriginal heritage impacts may arise from the interplay between construction activities associated with the Project, and other approved or proposed projects that are likely to occur within the area. When considered in isolation, specific impacts may be considered minor. These minor impacts may be more substantial however, when the impact of multiple projects on the same receivers is considered.

As outlined in the EIS, a multitude of other projects in the area that may coincide with construction works include, but are not limited to the following:

- MPE Stage 2 (SSD 7628)
- MPW Stage 2 (SSD 7709) and Stage 3 (SSD 10431)
- M5 Motorway Westbound Traffic Upgrade
- Glenfield Waste Services Resource Recovery Facility (SSD 6249).

Cumulative Aboriginal heritage impacts during construction include the potential to further disturb Aboriginal values. However, given that the Aboriginal items identified within the Project Site are isolated finds, cumulative impacts are considered to be negligible.

Cumulative Non-Aboriginal impacts during construction although transformative, are considered relatively minor due to the level of construction activity in the vicinity of the Project Site, as well as impacts being addressed and managed through the implementation of a range of environmental mitigation measures.

Communication between the Construction Contractor and developers for these projects will be undertaken with the aim of combining messages when possible, to coordinate disruptive activities and manage and minimise cumulative impacts to the local community as per the CCS.

6 ENVIRONMENTAL MITIGATION AND MANAGEMENT MEASURES

6.1 Management of Aboriginal Cultural Heritage Risks

All employees, contractors, and sub-contractors will undergo induction training (refer to Section 7.2). Anyone attending the Project Site has an obligation to avoid harming Aboriginal heritage, unless engaged in Aboriginal excavation and salvage obligations as described in Section 6.1.1.

The definition of harm used in this CHMP stems from the definition in Section 5 of the NPW Act. The examples used below are for illustrative purposes and are not exhaustive.

- Harm to an Aboriginal object or Aboriginal site means:
 - Moving or collecting stone artefacts (although picking up artefacts and inspecting them is acceptable if they are immediately returned to their original location)
 - Disturbing the earth where stone artefacts are located, e.g. by earthworks for drains, roads, etc.
 - Breaking stone artefacts, e.g. by running over them in a vehicle
 - Causing damage to a grinding groove sandstone platform by creating or exacerbating cracks
 - Cutting down, disturbing or otherwise marking scarred trees.

The Aboriginal heritage induction will include the following points expressed in plain language:

- Further Aboriginal objects may occur across the Project Site than have been identified
- Photos / pictures of examples of artefacts and other items of Aboriginal heritage significance
- Aboriginal objects are of great significance to the Aboriginal community and are important to the wider community. All Aboriginal objects must be treated with respect
- Aboriginal objects are protected by law. The development consent for MARW includes conditions allowing impact to certain specified Aboriginal objects described in the EIS and this CHMP
- Aboriginal objects such as stone artefacts can be hard to recognise, so if unsure, check
- Aboriginal artefacts are often hidden within the topsoil and are not readily visible. The apparent absence of a site does not mean it is no longer in existence

A register will be kept and updated to record employees who have completed the Aboriginal heritage induction and their date of completion.

6.1.1 Salvage of Aboriginal Objects

Impact avoidance to all six Aboriginal sites (MAR AF1-6) is not considered feasible. Archaeological salvage of the sites before impacts is appropriate management and mitigation. The procedure for undertaking the salvage is presented below and has been developed in accordance with REMM ABH01 and the *Code of Practice for the archaeological investigation of Aboriginal objects in NSW* (DECCW 2010a).

The recorded objects (MAR AF1-6), and any additional objects at the sites, will be recorded and collected from the whole of the site areas by the Project Archaeologist together with the RAPs before the start of any ground disturbance works. In the interim, 10 m exclusion zones consisting of fencing with signage will be erected to prevent access and minimise any damage or inadvertent entry into the sites until the recovery process is complete. The Project Archaeologist will be required to identify the objects for fencing.

The following methodology will be followed for the surface collection of Aboriginal artefacts at the sites:

- All visible artefacts at the sites will be flagged
- The artefacts will be photographed after flagging and before recording
- The following information will be collected for each artefact:
 - GPS location
 - Type
 - Size
 - Reduction level
 - Raw material
 - Any relevant notes
- Once all recording is complete, the artefacts will be collected and placed in appropriately labelled bags
- The recording and analysis of the artefacts recovered will be largely completed in the field, and this data will be interpreted and documented in a salvage report to Heritage NSW and the RAPs
- The Project Archaeologist is responsible for submitting an *Aboriginal Site Impact Recording Form* (ASIRF) to the AHIMS Registrar for each AHIMS site within the construction boundary within 4 months of undertaking the salvage the salvage works.

6.1.2 Care of Salvaged Aboriginal Objects

- Prior to salvage, an artefact relocation area or temporary storage area will be determined through consultation between National Intermodal, the Project Archaeologist and the RAPs. The preferred option is reburial at a location where future developments will not occur and as close as possible to their original location.
- Procedures for the long-term protection, storage, and management of collected Aboriginal objects will be implemented as soon as practical following collection
- If an appropriate reburial location cannot be determined at the time of salvage, the salvaged objects will be held in a secure location by the Principals Representative onsite until such time as reburial is possible
- Artefact reburial will take place in accordance with Requirement 26 “Stone artefact deposition and storage” in the Code of Practice for *Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010a) as soon as practical following collection
- A site card will be prepared submitted to AHIMS, by the Project Archaeologist, to record the relocation area; the previous AHIMS site status for 45-5-5495 to 45-5-5500 will be updated to ‘destroyed’.

6.2 Management of Non-Aboriginal Heritage Risks

6.2.1 Archaeological Research Design and Excavation Methodology

The NSW CoA E16 stipulate that an Archaeological Research Design and Excavation Methodology must be prepared prior to disturbance of potential areas of (Non-Aboriginal) archaeological significance.

However, as there are no identified areas of archaeological significance within the Project Site, and no archaeological excavation is proposed, an Archaeological Research Design and Excavation Methodology (NSW CoA E16 and E17) is not required.

6.2.2 Management of Glenfield Farm

In accordance with REMM HIH04, where possible, detailed design will consider the retention of trees that provide visual shielding to Glenfield Farm, to minimise visual impacts to viewsheds from the farm, particularly in the southern sector where the Project traverses vegetated land. The Infrastructure Approval does not facilitate for the retention or removal any trees (or vegetation) outside of the Project Site. Where trees are to be retained, within the Project Site, these will be managed in accordance with the Construction Biodiversity Management Plan.

6.3 Management Measures

Management actions prescribed by this CHMP aim to avoid and minimise impacts on Aboriginal and Non-Aboriginal heritage and are summarised in Table 6.1.

The development of management measures has been based on SMART principles i.e. measures that are specific, measurable, achievable, relevant, and time-bound:

- **Specific** – Mitigation and management measures identified in Table 6.1 specifically to Aboriginal and non-Aboriginal heritage impacts during construction
- **Measurable** – Inspection and monitoring requirements detailed in Section 7.3 include specific measures or indicators for which inspection and monitoring requirements will be triggered
- **Achievable** – Ongoing compliance with the Infrastructure Approval (Table 3.1), is achievable throughout the delivery of construction and represents the minimum requirements to be implemented by the Construction Contractor
- **Relevant** - The management measures outlined in Table 6.1 represent the approach to monitoring and tracking against the objectives, targets and environmental performance outcomes (identified in Section 2.3 of the CHMP)
- **Time-bound** – The management measures set out within Table 6.1 are required to be implemented for the duration of construction, setting a clear and defined time frame and includes reference to other timeframes, including during detailed design, pre-construction, post-construction and/or operation.

Table 6.1: Aboriginal and Non-Aboriginal management and mitigation measures

ID	Measure / Requirement	Timing	Responsibility	Ref	Evidence
General					
CH1	The requirements of this CHMP will be implemented so that non-Aboriginal and Aboriginal heritage items or objects are not harmed, modified or impacted (except those authorised under the infrastructure approval) during construction.	Prior to construction and during construction	Construction Contractor Principal's Representative	NSW CoA E12	Environmental inspection report Incident log
CH2	All relevant staff will undertake the project induction which will include undergo site induction training relating to Aboriginal and Non-Aboriginal heritage values and procedures	Prior to working on site	Construction Contractor Environmental Advisor Health and Safety Manager	REMM ABH01	Induction records
CH3	If the Project Archaeologist changes through the Project, a suitable handover will be undertaken to minimise the loss, mistranslation of the intent of information, findings and future steps in heritage management. Staff and contractors will also be informed of this change.	Prior to change in Project Archaeologists	Project Archaeologist Construction Contractor Environmental Advisor National Intermodal	REMM ABH06	Handover notes
CH4	No works to be undertaken outside of the Project construction boundary. Additional archaeological assessment will be undertaken if impacts related to the Project expand beyond the current construction boundary.	During construction	Project Archaeologist Construction Contractor Environmental Advisor	REMM ABH01	Weekly site inspection report
Unexpected Finds and Human Remains					
CH5	If any human remains (including skeletal material) are uncovered, work will halt, and the remains will not be tampered with. The police and coroner will be contacted for investigation. Enact the Unexpected Heritage Finds and Human Remains Procedure	Upon the discovery of human remains	Construction Contractor Site Supervisor All site personnel	REMM HIH03	Environmental inspection report
CH6	Where previously unidentified Aboriginal or Non-Aboriginal objects are discovered, all work must immediately stop in	Upon the discovery of suspected heritage items	Construction Contractor Site Supervisor All site personnel	REMM ABH01 REMM HIH02	Site diaries

ID	Measure / Requirement	Timing	Responsibility	Ref	Evidence
	the vicinity of the affected area and 10m exclusion zone applied ² . The Unexpected Heritage Finds and Human Remains Procedure must be followed.				
Non-Aboriginal Heritage					
CH7	Trees that provide visual shielding to Glenfield Farm will be retained within the Project Site where feasible and reasonable to minimise visual impacts to viewsheds from the farm, particularly in the southern portion of the site.	During construction	Construction Contractor Site Supervisor Detailed Design	REMM HIH04	Clearing reports Detailed Design
Aboriginal Heritage					
CH8	Consultation with RAPs will be maintained throughout construction.	During construction	Construction Contractor Community Liaison Officer	REMM ABH03	Consultation Manager
CH9	A copy of the ACHA will also be provided to each RAP and lodged with AHIMS.	As required	Project Archaeologist Construction Contractor Environmental Advisor	REMM ABH04	Document management system correspondence
CH10	Prior to commencement of construction exclusion fencing shall be implemented for each heritage site as detailed in Section 6.1.1.	Prior to the commencement of construction	Construction Contractor Site Supervisor	REMM ABH01	Environmental inspection report
CH11	Prior to the commencement of construction, isolated heritage finds (MAR IF1-6) will be salvaged in consultation with the RAPs as detailed in Section 6.1.1.	Prior to the commencement of construction	Construction Contractor Environmental Advisor	REMM ABH01	Environmental inspection report
CH12	Discussion with RAPs will inform how rehabilitation of areas can be undertaken to restore the cultural landscape to its current state as much as is feasible (i.e., suitable ecological communities).	Prior to revegetation Detailed Design	Construction Contractor Environmental Advisor Detailed Designer	REMM ABH02	Detailed design Consultation management system
CH13	Any newly identified Aboriginal objects and/or sites, and areas of archaeological sensitivity, will be captured on an AHIMS Site Recording Form. This will be submitted onto the AHIMS database once validation has been completed	Upon discovery of newly identified Aboriginal objects, sites or sensitivity.	Project Archaeologist Construction Contractor Environmental Advisor	REMM ABH05	AHIMS Site Recording Form

² This will not be applicable where the 10m intersects with an MPE construction or operation boundary.

6.4 Activities Outside the Project Site

No works are permitted to be undertaken outside the Project Site. However, should any work be proposed to be undertaken beyond the construction boundary, additional assessment, including heritage assessment involving a suitably qualified archaeologist or heritage professional, is required to be undertaken as described in the CEMP Section 7.5.1.

Aboriginal heritage assessment methodology is to be determined by the engaged specialist, following the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW* and/or the *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales*. Should an AHIP be required, the Aboriginal cultural heritage consultation requirements for proponents 2010 (DECCW 2010b) would need to be followed and no harm can occur to Aboriginal objects outside the Project Site until an approved AHIP is in place.

The appropriate assessment for potential Non-Aboriginal heritage impacts will be determined by the specialist. An appropriate methodology would likely be to follow the *Assessing Significance for Non-Aboriginal Archaeological Sites and Relics* (NSW Heritage Branch, Department of Planning 2009) and *Investigating Heritage Significance* (Heritage Council of NSW 2021). Harm to any items identified as having local or state heritage significance must be appropriately assessed.

7 COMPLIANCE MANAGEMENT

7.1 Roles and Responsibilities

The Project organisational structure and overall roles and environmental responsibilities are outlined in Section 5.1 of the CEMP. Specific responsibilities for the implementation of Aboriginal and Non-Aboriginal management are detailed in Section 6 of this CHMP.

A Project Archaeologist, as required for unexpected finds and archaeological excavations, will be engaged by the Construction Contractor to:

- Satisfy Heritage NSW's Criteria for Assessment of Excavation Directors (September 2019) to oversee and advise on matters associated with historical archaeology
- Oversee heritage salvage/excavation should this be required
- Advise on archaeological issues
- Provide advice to minimise potential impacts to any Aboriginal or Non-Aboriginal heritage values that may be recorded during the construction activities.

The Project Archaeologist will demonstrate that they hold appropriate qualifications and all licenses relevant to the work being undertaken.

7.2 Training

All site personnel (including sub-contractors) will undergo site induction training relating to Aboriginal and Non-Aboriginal heritage issues. The induction training will address elements related to Aboriginal and Non-Aboriginal heritage management, including:

- Existence and requirements of this CHMP
- Relevant legislation and regulations
- Incident response, management and reporting
- Environmentally sensitive locations and exclusion zones
- All requirements of appendices contained within this CHMP.
- The responsibility to avoid impacts to heritage items should they be encountered
- The location of any heritage objects or places in proximity to their work areas
- The necessity for works to remain within the Project construction boundary
- The relevant process for unexpected heritage finds and human remains
- Photos / pictures of examples of artefacts and other items of Aboriginal heritage significance
- Aboriginal objects are of great significance to the Aboriginal community and are important to the wider community. All Aboriginal objects must be treated with respect
- Aboriginal objects are protected by law
- Aboriginal objects such as stone artefacts can be hard to recognise, if unsure, check
- Aboriginal artefacts are often hidden within the topsoil and are not readily visible. The apparent absence of a site does not mean it is no longer in existence.

A register will be kept and updated to record employees who have completed the Aboriginal heritage induction and their date of completion.

Targeted training in the form of toolbox talks or specific training will also be provided to personnel with a key role in Aboriginal and Non-Aboriginal heritage management or those undertaking an activity with a high risk of environmental impact. Site personnel will undergo refresher training at not less than six monthly intervals.

Daily pre-start meetings conducted by the Site Supervisor will inform the site workforce of any environmental issues relevant to Aboriginal and Non-Aboriginal heritage that could potentially be impacted by, or impact on, the day's activities.

Further details regarding staff induction and training are provided in Section 5.2 of the CEMP.

7.3 Monitoring and Inspections

Inspections of sensitive areas and activities with the potential to impact Aboriginal and Non-Aboriginal heritage will occur for the duration of the construction phase for the Project.

Requirements and responsibilities in relation to monitoring and inspections are documented in Section 7.1 of the CEMP.

7.4 Auditing

Audits (both internal and external) will be undertaken to assess the effectiveness of environmental controls, compliance with this sub plan, State and Commonwealth CoA and other relevant approvals, licenses and guidelines.

Audit requirements are detailed in Section 7.3 of the CEMP.

7.5 Reporting and Identified Records

Reporting requirements and responsibilities are documented in Section 7.4 of the CEMP including weekly inspections which will detail the effectiveness of measures to prevent harm to Aboriginal objects.

Specific reporting requirements associated with the CHMP are outlined in Table 7.1.

Table 7.1: Reporting requirements relevant to Aboriginal and Non-Aboriginal heritage management

Report	Frequency	Responsibility
<p>Unexpected Heritage Finds and Human Remains Procedure</p> <p>Manage unexpected heritage finds in accordance with any guidelines and standards prepared by the Heritage Council of NSW or Heritage NSW.</p>	As required when unexpected finds are uncovered.	<p>Construction Contractors</p> <p>Environmental Advisor</p> <p>Project Archaeologist</p>
<p>Aboriginal Site Impact Recording Form</p> <p>After archaeological salvage of sites and before construction impacts. These should be completed and uploaded to Heritage NSW AHIMS prior to construction works occurring.</p>	As required following salvage of Aboriginal items.	Project Archaeologist
<p>Heritage Salvage Report</p> <p>Prepared after the salvage of the six Aboriginal sites.</p>	As required following salvage of the Aboriginal sites.	Project Archaeologist

Accurate records substantiating all construction activities associated with the Project or relevant to the State and Commonwealth CoA, including measures taken to implement this CHMP will be maintained. Records will be made available to the DPE and DCCEE upon request, within the timeframe nominated in the request.

7.6 Incidents

It is the responsibility of all personnel to report any incident in accordance with the incident management procedures detailed to Section 6.1 of the CEMP.

7.7 Complaints

Complaints will be managed as soon as possible in accordance with the requirements of the CCS and Complaints Management System developed in accordance with NSW CoA B7 and B8 respectively.

Complaints will be managed in accordance with Section 5.4.3 of the CEMP and the CCS.

7.8 Non-Compliances and Corrective Actions

Non-compliance may be identified via internal and external audits, site monitoring, inspections and observations, environmental incidents and emergencies, complaints and management reviews.

Non-compliance and resulting corrective actions will be managed in accordance with Section 7.2 of the CEMP.

8 REVIEW AND IMPROVEMENT

8.1 Continuous Improvement

Continuous improvement of the CHMP will be achieved by the ongoing evaluation of environmental management performance against environmental policies, objectives and targets for the purpose of identifying opportunities for improvement and through SMART principles. The continuous improvement process will be designed to:

- Identify areas of opportunity for improvement of environmental management and performance
- Determine the cause or causes of non-compliances and deficiencies
- Develop and implement a plan of corrective and preventative action to address any non-compliances and deficiencies
- Verify the effectiveness of the corrective and preventative actions
- Document any changes in procedures resulting from process improvement
- Make comparisons with objectives and targets.

Project environmental risks will be identified and included in the risk register and appropriate mitigation measures implemented throughout the construction of the Project as part of the continuous improvement process.

The process for ongoing risk identification and management during construction is outlined in Section 4.2 and Appendix C of the CEMP.

8.2 CHMP Update and Amendment

The processes described in Section 7.5 of the CEMP may result in the need to update or revise the CHMP. This will occur as needed.

Any revisions to the CHMP will be in accordance with the process outlined in Section 1.5 of the CEMP.

A copy of the updated Plan and changes will be distributed to all relevant stakeholders in accordance with the approved document control procedure.

APPENDIX A Consultation

From: [REDACTED]
Sent: Monday, May 8, 2023 3:25 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Moorebank Avenue Realignment SSI-10053 Post Approval Documents

Hi Lilyan,

Thanks for your time today. As discussed, we are closing out the Construction Heritage Management Plan for Moorebank Avenue Realignment and note that Council has no comments on this document.

We will continue to liaise with Council regarding other aspects of the project. Do not hesitate to contact me if you have any questions.

Regards,

Wes

Westley Owers
Senior Manager – Planning and Environment

National Intermodal Corporation
Suite 3 Level 33 1 O Connell Street Sydney NSW 2000

[REDACTED]
[REDACTED]



nationalintermodal.com.au

National Intermodal acknowledges the Traditional Owners and Custodians of the land on which we operate. We pay our respects to their Elders past, present and emerging.



Kylie Hargreaves
Director
Department of Planning and Environment
PO BOX 404, PARRAMATTA NSW 2124

By email: [REDACTED]

Dear Ms Hargreaves

Request for comment on Construction Heritage Management Plan (CHMP) for the Moorebank Avenue Realignment Works (SSI-10053-PA-15).

Thank you for your referral dated 7 March 2023 seeking input from the Heritage Council of NSW on the above State Significant Infrastructure (SSI) proposal.

The subject site is not listed on the State Heritage Register (SHR), nor is it in the immediate vicinity of any SHR items. Further, the site does not contain any known historical archaeological relics. Therefore, no heritage comments are required.

As the site contains a local heritage item, and other local items are in the vicinity, advice should be sought from the relevant local council.

If you have any questions regarding the above advice, please contact Erin McWhirter, Senior Customer Services Officer at Heritage NSW on [REDACTED] or [REDACTED]

Yours sincerely

A handwritten signature in black ink that reads "Nicole Davis".

Nicole Davis
Manager
Assessments South
Heritage NSW
Department of Planning & Environment
As Delegate of the Heritage Council of NSW
30/03/2023

----- Forwarded message -----

From: Nicole Davis [REDACTED]
Date: 12 Mar 2023 8:09 pm
Subject: Heritage NSW Reply - Aboriginal Cultural Heritage (ACH) - Moorebank Avenue
Realignment - Construction Heritage Management Plan (SSI-10053-PA-15) (Liverpool City)
To: Kylie Hargreaves [REDACTED]
Cc:

Dear Kylie,

Thank you for your referral via the Major Project Portal in relation to Appendix I - Moorebank Avenue Realignment Works, Construction Heritage Management Plan (CHMP) - (SSI -10053), dated 28 February 2023, with respect to Aboriginal Cultural Heritage (ACH).

I note that section 6.1.1 of the CHMP - Salvage of Aboriginal Objects - states that impact avoidance to all six Aboriginal sites (MAR AF1-6) is not considered feasible and that archaeological salvage of the sites, prior to any impacts, is considered an appropriate management and mitigation strategy. Heritage NSW understands that the procedure proposed for undertaking archaeological salvage has been developed in accordance with the *Code of Practice for the archaeological investigation of Aboriginal objects in NSW* (2010), and that all Aboriginal sites and objects will be recorded and collected by the Project Archaeologist, together with the Registered Aboriginal Parties (RAPs), prior the commencement of any ground disturbance works. In the interim, 10 metre exclusion zones consisting of fencing with signage will be erected to prevent access and minimise any damage or inadvertent entry into the sites until the recovery process is complete. The Project Archaeologist will be required to identify the objects for fencing. Heritage NSW supports the proposed mitigation and management measures, as documented the CHMP, and as such, does not require further agency consultation in relation to Moorebank Avenue Realignment - Construction Heritage Management Plan, (SSI-10053-PA-15) (Liverpool City) and ACH. Please contact me directly should you require any additional information.

Kind Regards
Nicole Davis

Nicole Davis
Manager Assessments
Heritage NSW
Department of Planning and Environment
[REDACTED]

Locked Bag 5020 Parramatta 2124

From: no-reply@majorprojects.planning.nsw.gov.au <no-reply@majorprojects.planning.nsw.gov.au>

Sent: Tuesday, 7 March 2023 2:05 PM

To: Tanya Pelz [REDACTED] OEHD Heritage Mailbox
<HERITAGEMailbox@environment.nsw.gov.au>

Subject: Major Projects – Proponent Request for Advice - Moorebank Avenue Realignment - Construction Heritage Management Plan (SSI-10053-PA-15) (Liverpool City)

A proponent is requesting advice in relation to a post approval matter for the Moorebank Avenue Realignment.

Please sign in to your account to view the details of this request and to upload your advice.

If you have any enquiries about this request, you can contact Kylie Hargreaves at [REDACTED]

To sign in to your account click [here](#) or visit the [Major Projects Website](#).

Please do not reply to this email.

Kind regards

The Department of Planning and Environment

This email is intended for the addressee(s) named and may contain confidential and/or privileged information.

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This email is intended for the addressee(s) named and may contain confidential and/or privileged information.

If you are not the intended recipient, please notify the sender and then delete it immediately.

Any views expressed in this email are those of the individual sender except where the sender expressly and with authority states them to be the views of the NSW Office of Environment, Energy and Science.

PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

From: [Samantha Gibbins](#)
To: [Oyston, Samantha](#)
Cc: [Patel, Ketan](#); [Gail Hall](#); [Westley Owers](#)
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans
Date: Tuesday, 7 March 2023 8:46:31 AM
Attachments: [image007.png](#)
[image008.png](#)
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[image013.png](#)
[image014.png](#)
[image015.png](#)
[image016.png](#)
[image017.jpg](#)

Some people who received this message don't often get email from samantha.gibbins@environment.nsw.gov.au. [Learn why this is important](#)

Dear Samantha,

Thank you for your email.

I apologise, but we do not respond to requests for advice on State Significant Infrastructure or State Significant Development projects unless they are formally referred to us from the Department of Planning and Environment via the Major Projects portal.

If you require Heritage NSW's comment on the CHMP, you will need to submit a request through the Major Projects portal.

Kind regards,

Sam

Sam Gibbins, BA (Hons), PhD

A/Manager Assessments

Environment and Heritage - Heritage NSW

Department of Planning and Environment

[heritage.nsw.gov.au](#) and [dpic.nsw.gov.au](#)

Locked Bag 5020
Parramatta NSW 2124

Working days Monday to Friday, 8:00am – 4:00pm



I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Oyston, Samantha [REDACTED]
Sent: Wednesday, 1 March 2023 2:44 PM
To: OEH HD Heritage Mailbox <HERITAGEMailbox@environment.nsw.gov.au>
Cc: Patel, Ketan [REDACTED]; Gail Hall [REDACTED]
Westley Owers [REDACTED]
Subject: Moorebank Avenue Realignment - Construction Management Plans

Hello,

Following on from my previous email, please find attached the Construction Heritage Management Plan (CHMP) for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation for Heritage Council of NSW and Heritage NSW review.

Please return any comments on the CHMP by 30 March 2023

Could you also please confirm that both Heritage Council of NSW and Heritage NSW will have access to this plan to review through this inbox?

Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

[REDACTED]

www.arcadis.com



I work flexibly. Unless it suits you, I don't expect you to read or respond to my emails outside of your normal work hours.



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From: [Rose O'Sullivan](#)
To: [Oyston, Samantha](#)
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans
Date: Monday, 9 January 2023 11:02:35 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
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[image011.png](#)
[image012.png](#)
[image013.png](#)

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Hi Samantha

Thank you for your email and letting us know that the Construction Heritage Management Plan for SSI-10053 is likely to be sent to Heritage NSW in the week of 23 January 2023. Please continue to send any correspondence about this matter to our central mailbox so that we can best assist you (heritagemailbox@environment.nsw.gov.au).

Please also ensure that where required requests for comment are appropriately lodged through the Major Project Portal.

Let me know if I can assist any further in the meantime.

Kind Regards

Rose

Rose O'Sullivan

A/ Manager Assessments (North)

Heritage Assessments

Heritage NSW

Department of Planning and Environment

[dpie.nsw.gov.au](#)

85 Faulkner Street
Armidale NSW 2350

Working days Monday to Friday



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PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

From: Oyston, Samantha [REDACTED]
Sent: Thursday, 22 December 2022 4:07 PM
To: OEH HD Heritage Mailbox <HERITAGEMailbox@environment.nsw.gov.au>
Cc: Patel, Ketan [REDACTED]; Gail Hall [REDACTED];
Jamie Crawford [REDACTED]
Subject: Moorebank Avenue Realignment - Construction Management Plans

Hello,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

The Project involves the realignment of an existing section of Moorebank Avenue, from a point approximately 130 meters south of the Anzac Road/Moorebank Avenue intersection to a point immediately north of the East Hills Railway. Moorebank Avenue currently divides the Moorebank Logistic Park. The key features of the Project include:

- Construction of approximately three kilometres of new road to bypass the MLP to the east, comprising:
 - A four-lane road (two lanes in each direction) near Moorebank Precinct East (MPE), commencing from a point approximately 130 metres south of the Anzac Road / Moorebank Avenue intersection to the south-eastern corner of the MPE site
 - A two-lane road (one lane in each direction) from the south-eastern corner of the MPE site to a point immediately north of the bridge over the East Hills railway
- Northern tie-in to the existing Moorebank Avenue, 130 meters south of the Anzac Road/Moorebank Avenue for a distance of 250 metres to the northwest corner of the MPE site.
- Construction of four accesses with signalised intersections between the new road and the MLP
- Construction of a central median, typically six metres wide, tapering to zero width where the new road becomes two lanes
- Southern tie-in to the existing Moorebank Avenue, 17 metres before the East Hills railway over bridge. No work will be undertaken or impact the East Hills over bridge

At the completion and commissioning of the realigned road section, the public through traffic using Moorebank Avenue will be redirected onto the new alignment. The existing road alignment will be decommissioned and modified to function as a restricted access to the Moorebank Logistic Park.

We are aiming to send the Construction Heritage Management Plan for Heritage Council of NSW/Heritage NSW review during the week commencing of 23 January 2023.

Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific
[REDACTED]

From: [Oyston, Samantha](#)
Cc: [Westley Owers](#); [Patel, Ketan](#); [Gail Hall](#)
Bcc: [REDACTED]

Subject: RE: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 17 March 2023 9:54:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello,

This is a reminder that consultation closes on the Construction Heritage Management Plan (CHMP) for the Moorebank Avenue Realignment Works (SSI-10053) on 30 March 2023.

Please respond by this date should you have any comments.

Warm Regards,

Samantha Oyston | Senior Environmental Consultant
Arcadis [REDACTED]
www.arcadis.com

From: Oyston, Samantha
Sent: Wednesday, 1 March 2023 2:43 PM
Cc: Westley Owers [REDACTED] Patel, Ketan
[REDACTED] Gail Hall [REDACTED]
Subject: Moorebank Avenue Realignment - Construction Management Plans

Hello,

Following on from my previous email, please find attached the Construction Heritage Management Plan (CHMP) for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation for your review.

Please return any comments on the CHMP by 30 March 2023

Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

[REDACTED]
www.arcadis.com



From: [Oyston, Samantha](#)
To: [Glenda Chalker](#)
Cc: [Gail Hall](#); [Patel, Ketan](#); [Westley Owers](#)
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans
Date: Tuesday, 21 March 2023 3:50:00 PM

Hi Glenda,

I have mailed the CHMP to the below address, please let me know when you receive it.

Many thanks,

Samantha Oyston | Senior Environmental Consultant
Arcadis | [REDACTED]
www.arcadis.com

From: Glenda Chalker [REDACTED]
Sent: Tuesday, 21 March 2023 1:21 PM
To: Oyston, Samantha [REDACTED]
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans

Yes please Samantha

From: Oyston, Samantha [REDACTED]
Sent: Tuesday, 21 March 2023 12:32 PM
To: Glenda
Cc: Westley Owers; Patel, Ketan; Gail Hall
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans

Hi Glenda,

Confirming that your address is - [REDACTED] ?

Many thanks,

Samantha Oyston | Senior Environmental Consultant
Arcadis | [REDACTED]
www.arcadis.com

From: Oyston, Samantha
Sent: Friday, 17 March 2023 11:56 AM
To: Glenda [REDACTED]
Cc: Westley Owers [REDACTED]; Patel, Ketan
[REDACTED] Gail Hall [REDACTED]
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans

Hi Glenda,

Thank you for your email, could you please confirm your address.

Many thanks,

Samantha Oyston | Senior Environmental Consultant
Arcadis | [REDACTED]
www.arcadis.com

From: Glenda [REDACTED]
Sent: Friday, 17 March 2023 10:13 AM
To: Oyston, Samantha [REDACTED]
Subject: Re: Moorebank Avenue Realignment - Construction Management Plans

Samantha,
Could I please have a hard copy

Thanking you
Glenda Chalker

On 17 Mar 2023, at 9:54 am, Oyston, Samantha [REDACTED] wrote:

Hello,

This is a reminder that consultation closes on the Construction Heritage Management Plan (CHMP) for the Moorebank Avenue Realignment Works (SSI-10053) on 30 March 2023.

Please respond by this date should you have any comments.

Warm Regards,

Samantha Oyston | Senior Environmental Consultant
Arcadis | [REDACTED]
www.arcadis.com

From: Oyston, Samantha
Sent: Wednesday, 1 March 2023 2:43 PM
Cc: Westley Owers [REDACTED] Patel, Ketan [REDACTED]; Gail Hall [REDACTED]
Subject: Moorebank Avenue Realignment - Construction Management Plans

Hello,

Following on from my previous email, please find attached the Construction Heritage Management Plan (CHMP) for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation for your review.

Please return any comments on the CHMP by 30 March 2023

Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific



www.arcadis.com

<image001.png>

<image002.png><image003.png><image004.png><image005.png>

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<image006.jpg>

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From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Westley Owers](#); [Jamie Crawford](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 3:09:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Cubbitch Barta native Title Claimants Aboriginal Corporation,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

The Project involves the realignment of an existing section of Moorebank Avenue, from a point approximately 130 meters south of the Anzac Road/Moorebank Avenue intersection to a point immediately north of the East Hills Railway. Moorebank Avenue currently divides the Moorebank Logistic Park. The key features of the Project include:

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 - A four-lane road (two lanes in each direction) near Moorebank Precinct East (MPE), commencing from a point approximately 130 metres south of the Anzac Road / Moorebank Avenue intersection to the south-eastern corner of the MPE site
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- Southern tie-in to the existing Moorebank Avenue, 17 metres before the East Hills railway over bridge. No work will be undertaken or impact the East Hills over bridge

At the completion and commissioning of the realigned road section, the public through traffic using Moorebank Avenue will be redirected onto the new alignment. The existing road alignment will be decommissioned and modified to function as a restricted access to the Moorebank Logistic Park.

As a Registered Aboriginal Party for the Project we are aiming to send the Construction Heritage Management Plan for your review during the week commencing of 23 January 2023.

Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

From: [MARILYN CARROLL](#)
To: [Oyston, Samantha](#)
Subject: Re: Moorebank Avenue Realignment - Construction Management Plans
Date: Tuesday, 7 February 2023 9:57:47 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

We are registering Corroboree Aboriginal Corporation in a full capacity. We have worked on a vast number of projects as Cultural Heritage Officers in the project area. We are currently involved on many projects in the subject area. My family and other family members have lived in the area and family currently reside in the surrounding areas. We are registering in a full capacity. We are Aboriginal people who are culturally & heritage aware. We have the necessary ability, experience, skills, insight and the knowledge to identify artefacts on field work. And as Aboriginal People we connect thru the land, thru our Ancestors and our Heritage. Therefore we are able participate on all levels. We have worked with many archaeologists across a broad landscape. We have consulted with most archeological companies over many years on projects. We have all the relevant insurances and safety gear. We are all fit, capable and adapt to a vast landscape.

Contact is preferred via email: [REDACTED] The contact number, email and contact person is also listed in the signature.

Please do not disclose any of our details to LALC. We have responded for inclusion, to participate on all levels. Thanks.

Kind regards
Marilyn Carroll-Johnson
Director
Corroboree Aboriginal Corporation

We respectfully acknowledge the Traditional Owners of the lands upon which we work and pay our deep respect to Elders past, present and emerging.

On Friday, January 20, 2023, 3:05 pm, Oyston, Samantha [REDACTED] wrote:

Hello Corroboree Aboriginal Corporation,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

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Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific



www.arcadis.com



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From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Westley Owers](#); [Jamie Crawford](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 3:05:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

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Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant

From: [Wendy Morgan](#)
To: [Oyston, Samantha](#)
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 31 March 2023 5:44:05 PM
Attachments: [image001.png](#)
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[63085181861A49D1BC904F2895D233D6.png](#)
[279919470245462C8585BDAD2195E29F.jpg](#)

Hi Oyston,

I apologies for the delay in my response my sister inlaw is passing due to cancer.

Guntawang Aboriginal Resources Inc would like to express an interest in the above project.

Our cultural and heritage officer has yrs of experience in similar projects and would be a benefit to you.

We are interested in any field work or site walk overs.

Kind regards

Wendy Morgan
CEO GARI

Sent from [Mail](#) for Windows


From: [Oyston, Samantha](#)
Sent: Friday, 17 March 2023 9:55 AM
Cc: [Westley Owers](#); [Patel, Ketan](#); [Gail Hall](#)
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans

Hello,

This is a reminder that consultation closes on the Construction Heritage Management Plan (CHMP) for the Moorebank Avenue Realignment Works (SSI-10053) on 30 March 2023.

Please respond by this date should you have any comments.

Warm Regards,

Samantha Oyston | Senior Environmental Consultant
Arcadis | 
www.arcadis.com

From: Oyston, Samantha
Sent: Wednesday, 1 March 2023 2:43 PM

From: [Wendy Morgan](#)
To: [Oyston, Samantha](#)
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans
Date: Monday, 23 January 2023 1:06:17 PM
Attachments: [image001.png](#)
[0A90124781B04FE58F76257C5C5BE6A7.png](#)
[AFD4F0DF706B48AA942639D6A636C94D.png](#)
[C39CFC1ADB674B74851FE6E999CF928B.png](#)
[52CF07EFBD884A17A68C5C1964629261.png](#)
[9BBB5DC4953F4C4D957895CC3B7A53B8.jpg](#)

Hi Samantha,

Thank you very much for the update.

Guntawang's cultural and heritage officer has lived in the area for over 35yrs, and would like to be included in the field work as he has extensive knowledge of the area.

Kind regards

Wendy Morgan

CEO GARI



Sent from [Mail](#) for Windows

From: [Oyston, Samantha](#)
Sent: Friday, 20 January 2023 11:25 AM
To: A black rectangular redaction box covering the recipient name in the email header.
Cc: [Patel, Ketan](#); [Jamie Crawford](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans

Hello Guntawang Aboriginal Resources Incorporated,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

The Project involves the realignment of an existing section of Moorebank Avenue, from a point approximately 130 meters south of the Anzac Road/Moorebank Avenue intersection to a point immediately north of the East Hills Railway. Moorebank Avenue currently divides the Moorebank Logistic Park. The key features of the Project include:

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As a Registered Aboriginal Party for the Project we are aiming to send the Construction Heritage Management Plan for your review during the week commencing of 23 January 2023.

Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific



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From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Jamie Crawford](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:24:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Guntawang Aboriginal Resources Incorporated,

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Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

From: [Clive Freeman](#)
To: [Oyston, Samantha](#)
Subject: Re: Moorebank Avenue Realignment - Construction Management Plans
Date: Monday, 23 January 2023 10:37:46 AM

Thank you for the information and we look forward to reading through the document once it's ready.

Regards

Clive

Sent from my iPhone

On 20 Jan 2023, at 11:26 am, Oyston, Samantha

 wrote:

Hello Clive Freeman,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

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Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific



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<image001.png>

[<image002.png>](#)

[<image003.png>](#)

[<image004.png>](#)

[<image005.png>](#)

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<image006.jpg>

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From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Jamie Crawford](#); [Patel, Ketan](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:26:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

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Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

From: [Phil Khan](#)
To: [Oyston, Samantha](#)
Subject: RE: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 27 January 2023 9:16:33 AM
Attachments: [image001.png](#)
[ED56CCE8848A4D14AF3B12A99A76827D\[75814415\].jpg](#)
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[D4904C4E2A604E17A434C12AE0591405.png](#)
[A42DBD5B479D409790BB1B804E005B9A.png](#)
[8EF92C94656F41DE91D1925CC03CB110.png](#)
[2BB5981CE58444BB9883F63C9925D21C.jpg](#)

Hi Samantha,

Thanks for the update. We look forward to receiving your report.

Kind Regards
Phil Khan



Sent from [Mail](#) for Windows 10

From: [Oyston, Samantha](#)
Sent: Friday, 20 January 2023 11:17 AM
To: [REDACTED]
Cc: [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans

Hello Kamilaroi Yankuntajatjara Working Group,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

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Senior Environmental Consultant
Arcadis Australia Pacific



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From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:17:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

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As a Registered Aboriginal Party for the Project we are aiming to send the Construction Heritage Management Plan for your review during the week commencing of 23 January 2023.

Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

From: [Phillip Boney](#)
To: [Oyston, Samantha](#)
Cc: [Patel, Ketan](#); [Westley Owers](#)
Subject: Re: Moorebank Avenue Realignment - Construction Management Plans
Date: Monday, 23 January 2023 9:06:33 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Wailwan Aboriginal Group would like to register our interest for this project in all its entirety.

Respectfully, Phil Boney
Wailwan Aboriginal Group

Get [Outlook for iOS](#)

From: Oyston, Samantha [REDACTED]
Sent: Friday, January 20, 2023 11:14:49 AM
To: [REDACTED]
Cc: Patel, Ketan [REDACTED]; Westley Owers
[REDACTED]
Subject: Moorebank Avenue Realignment - Construction Management Plans

Hello Wailwan Aboriginal Group,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

The Project involves the realignment of an existing section of Moorebank Avenue, from a point approximately 130 meters south of the Anzac Road/Moorebank Avenue intersection to a point immediately north of the East Hills Railway. Moorebank Avenue currently divides the Moorebank Logistic Park. The key features of the Project include:

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Arcadis Australia Pacific



www.arcadis.com



I work flexibly. Unless it suits you, I don't expect you to read or respond to my emails outside of your normal work hours.



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From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:14:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

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Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Jamie Crawford](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:37:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Galamaay Cultural Consultants,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

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Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Westley Owers](#); [Patel, Ketan](#); [Jamie Crawford](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:19:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Ngambaa Cultural Connections,

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Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Westley Owers](#); [Jamie Crawford](#); [Patel, Ketan](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:21:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Tharawal Local Aboriginal Land Council,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

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Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Jamie Crawford](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:37:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Biamanga,

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Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Jamie Crawford](#); [Patel, Ketan](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:27:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello A1 Indigenous Services Pty Ltd,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

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Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Jamie Crawford](#); [Gail Hall](#); [Wesley, Charlotte](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:10:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Tocomwall,

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Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Jamie Crawford](#); [Patel, Ketan](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:26:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Wori Woilywa,

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Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Jamie Crawford](#); [Westley Owers](#); [Patel, Ketan](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:27:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Goodradigbee Cultural & Heritage Aboriginal Corporation,

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Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Jamie Crawford](#); [Westley Owers](#); [Patel, Ketan](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:24:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Yurraandaali,

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Senior Environmental Consultant
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From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Jamie Crawford](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:32:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Goobah Developments,

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Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Jamie Crawford](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:31:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Gunjee Wong Cultural Heritage Corporation,

Arcadis are currently developing the Construction Environmental Management Plan and Associated Sub-plans for the Moorebank Avenue Realignment Works (SSI-10053) on behalf of the National Intermodal Corporation.

The Project involves the realignment of an existing section of Moorebank Avenue, from a point approximately 130 meters south of the Anzac Road/Moorebank Avenue intersection to a point immediately north of the East Hills Railway. Moorebank Avenue currently divides the Moorebank Logistic Park. The key features of the Project include:

- Construction of approximately three kilometres of new road to bypass the MLP to the east, comprising:
 - A four-lane road (two lanes in each direction) near Moorebank Precinct East (MPE), commencing from a point approximately 130 metres south of the Anzac Road / Moorebank Avenue intersection to the south-eastern corner of the MPE site
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At the completion and commissioning of the realigned road section, the public through traffic using Moorebank Avenue will be redirected onto the new alignment. The existing road alignment will be decommissioned and modified to function as a restricted access to the Moorebank Logistic Park.

As a Registered Aboriginal Party for the Project we are aiming to send the Construction Heritage Management Plan for your review during the week commencing of 23 January 2023.

Warm Regards,

Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Westley Owers](#); [Patel, Ketan](#); [Jamie Crawford](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:31:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Gulaga,

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Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Jamie Crawford](#); [Westley Owers](#); [Gail Hall](#); [Patel, Ketan](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:11:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
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Hello Barraby Cultural Services,

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Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Gail Hall](#); [Jamie Crawford](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:12:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.jpg](#)

Hello Didge Ngunawal Clan,

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Senior Environmental Consultant
Arcadis Australia Pacific

From: [Oyston, Samantha](#)
To: [REDACTED]
Cc: [Patel, Ketan](#); [Jamie Crawford](#); [Westley Owers](#)
Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:25:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
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Hello Waawaar Awaa Aboriginal Corporation,

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Arcadis Australia Pacific

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Subject: Moorebank Avenue Realignment - Construction Management Plans
Date: Friday, 20 January 2023 11:36:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
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[image005.png](#)
[image006.jpg](#)

Hello Darug Custodian Aboriginal Corporation,

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Samantha Oyston (she/her) MRes, BEnv
Senior Environmental Consultant
Arcadis Australia Pacific

APPENDIX B Environmental Representative Endorsement



28 May 2023

Our Ref: 2205 L8

National Intermodal Corporation
Senior Manager – Planning and Environment
Attention: Westley Owers

Dear Westley

**SSI 10053 - Moorebank Avenue Realignment Works (MARW)
Environmental Representative (ER) - Endorsement of the Construction Heritage
Management Plan**

Pursuant to SSI10053 Conditions of Approval (CoA) A31(d) and C9, I confirm that I have reviewed and endorsed the following documentation as being consistent with the conditions of approval and relevant undertakings made in the documents listed in Condition A1:

- National Intermodal Corporation, Moorebank Avenue Realignment Works, Appendix F, Construction Heritage Management Plan, Version H, dated 8 May 2023 (CHMP).

In accordance with CoA A6, and as agreed by a nominee of the Planning Secretary (Department of Planning and Environment letter dated 22 November 2022, Reference: SSI-10053-PA-4), the CHMP includes:

- Aboriginal Heritage Management Plan (REMM ABH01)
- Historic Heritage Management Plan (REMM HIH01)
- Unexpected Finds Procedure for Heritage (CoA E15)

In accordance with CoA C8, the CCMP was expressly nominated by a nominee of the Planning Secretary to be endorsed by the ER (Department of Planning and Environment letter dated 22 November 2022, Reference: SSI-10053-PA-4).

Yours sincerely,

Maurice Pignatelli
Environmental Representative – MARW Project
OptimE Pty Ltd



APPENDIX C Secondary CoA and REMMs

C1: Secondary NSW CoA relevant to the CHMP

No.	Requirements	Document reference
E12	The Proponent must take all reasonable steps so as not to harm, modify or otherwise impact heritage items or Aboriginal objects except as authorised by this approval.	Section 6.1 Appendix D
E16	Before commencement of construction that has the potential to impact upon areas of archaeological significance as defined in the documents listed in Condition A1, a revised Archaeological Research Design and Excavation Methodology must be prepared in accordance with the Heritage Council of NSW guidelines. The revised methodology must be prepared in consultation with Heritage NSW and submitted to the Planning Secretary for information.	This condition is not applicable as there are no identified areas of archaeological significance within the Project Site, and no archaeological excavation is proposed. See Section 6.2.1 for further details.
E17	Before commencement of archaeological excavation, the Proponent must nominate a suitably qualified Excavation Director who complies with Heritage NSW's Criteria for Assessment of Excavation Directors (September 2019) to oversee and advise on matters associated with Non-Aboriginal archaeology. The Excavation Director must be present to oversee excavation, advise on archaeological issues, advise on the duration and extent of oversight required during archaeological excavations consistent with the approved Archaeological Research Design and Excavation Methodology required by Condition E16.	This condition is not applicable as there are no identified areas of archaeological significance within the Project Site, and no archaeological excavation is proposed. See Section 6.2.1 and Section 7.1 for further details.

C2: Secondary REMMs relevant to the development of the CHMP

No.	Requirements	Timing	Document reference
HIH03	Where human remains (including skeletal material) are found work will halt, and the remains will not be tampered with. The police and coroner will be contacted for investigation, which may include the involvement of Heritage NSW and advice from a physical anthropologist.	During construction	Appendix D
HIH04	Where possible, trees that provide visual shielding to Glenfield Farm will be retained to minimise visual impacts to viewsheds from the farm, particularly in the southern sector where the Project would traverse vegetated land.	During design and construction	Section 6.2
ABH03	Consultation should be maintained with the RAPs during the finalisation of the assessment process and throughout the Project.	Prior to construction and during construction	Section 1.6
ABH04	A copy of the ACHA report should be lodged with AHIMS and provided to each of the RAPs.	Prior to construction	Table 6.1 MM CH9

No.	Requirements	Timing	Document reference
ABH05	AHIMS Site Recording Forms for the newly identified Aboriginal objects and/or sites within the Project area and areas of archaeological sensitivity should be submitted to the AHIMS database once their validation has been completed.	During construction	Section 7.5 Table 6.1 MM CH13
ABH06	Where the Project Archaeologist changes through the Project, suitable hand over should be undertaken to minimise loss or mistranslation of the intent of the information, findings and future steps in heritage management occur.	During construction	Table 6.1 MM CH3

APPENDIX D Unexpected Heritage Finds and Human Remains Procedure

An Unexpected Heritage Finds and Human Remains Procedure will be implemented for the duration of the construction phase. This procedure has been prepared in accordance with relevant guidelines and standards through consultation with NSW Heritage and the Heritage Council of NSW in accordance with NSW CoA E13-E15 (refer to author details on cover). The procedure will be submitted to the Planning Secretary for information no later than one month before the commencement of construction.

Note: Human remains that are found unexpectedly during the carrying out of the Project may be under the jurisdiction of the NSW State Coroner and must be reported to the NSW Police immediately. Management of human remains in NSW is subject to requirements set out in the *Public Health Act 2010* and *Public Health Regulation 2012*.

D1: Unexpected Heritage Finds Procedure – Aboriginal Heritage

Should an unknown Aboriginal object be discovered within the Project Site, the object will be managed in accordance with this CHMP. An Aboriginal object is anything which is the result of past Aboriginal activity. This includes stone (artefacts, rock engravings etc.), plant (culturally scarred trees) and animal (if showing signs of modification, i.e. smoothing, use). Human bone (skeletal) remains may also be uncovered while onsite. Cultural heritage significance is assessed by the Aboriginal community and is typically based on traditional and contemporary lore, spiritual values, and oral history, and may consider scientific and educational value.

NB: There is no requirement to obtain an Aboriginal Heritage Impact Permit (AHIP) from Heritage NSW as per Section 5.23 of the EP&A Act.

The following will be undertaken if a previously unrecorded or unexpected Aboriginal object(s) are encountered:

- Ensure that the object is not further harmed by immediately ceasing all work at the location and securing the area by cordoning off the site with a 10 metre buffer, to avoid further harm to the Aboriginal object
- Obtain the opinion of the Project Archaeologist as to the veracity of the find. If it is, then:
 - Notify Heritage NSW as soon as practical on (02) 9873 8500 (heritagemailbox@environment.nsw.gov.au), providing any details of the Aboriginal object and its location
 - Not recommence any work at the location unless authorised in writing by Heritage NSW.
 - Cooperate with the appropriate authorities and relevant Aboriginal community representatives to facilitate:
 - The recording and assessment of the find(s), including registration on AHIMS
 - The fulfilment of any legal constraints arising from the find(s), including complying with Heritage NSW directions
 - Appropriately managing the find
 - Updating this CHMP in consultation with the RAPs.
- Depending on the significance of the find and the context, consideration should be made as to whether the object(s) can be conserved in the landscape. If possible, the object(s) should be signed and fenced, and the location shown on all applicable plans. The object(s) must not be harmed
- If the object(s) is in an area where it is likely to be harmed, the object(s) will be salvaged in consultation with the RAPs. RAPs should be informed by at least seven days of the intention to salvage the object(s)

and the opportunity will be provided for a representative or representatives of the RAPs to collect Aboriginal object(s) on the ground surface. The procedure set out in Section 6.1.1 will be followed.

D2: Unexpected Heritage Finds – Non-Aboriginal Heritage

There are currently no known items of Non-Aboriginal heritage significance within the Project Site; therefore salvage is not required. However, should a currently unknown Non-Aboriginal item be discovered within the Project, the item will be managed in accordance with the Unexpected Heritage Finds Procedure and the *Heritage Act 1977*. A historic artefact is anything which is the result of past activity not related to the Aboriginal occupation of the area. This includes pottery, wood, glass and metal objects as well as the built remains of structures, sometimes heavily ruined.

The following protocol should be followed if previously unrecorded or unexpected Non-Aboriginal objects are encountered:

- Ensure ground surface disturbance in the area of the finds should cease immediately and the Contractor Site Supervisor informed of the item(s)
- Ensure that the item(s) is not further harmed by immediately ceasing all work at the location and securing the area by cordoning off the item with a 10 metre buffer
- If there is substantial doubt regarding the Non-Aboriginal significance for the finds, then gain a qualified opinion from an archaeologist as soon as possible. This can circumvent proceeding further along the protocol for items which turn out not to be significant. If a quick opinion cannot be gained, or the identification is that the item is likely to be significant, then proceed to the next step
- If in the view of the heritage specialist or Heritage NSW that the finds appear not to be significant, work may recommence without further investigation. Keep a copy of all correspondence for future reference
- If in the view of the heritage specialist or Heritage NSW that the finds appear to be significant, facilitate the recording and assessment of the finds by a suitably qualified heritage specialist. Such a study should include the development of appropriate management strategies
- If the find(s) are determined to be significant Non-Aboriginal items (i.e. of local or state significance), any re-commencement of ground surface disturbance may only resume following compliance with any legal requirements and gaining written approval from Heritage NSW.

D3: Unexpected Heritage Finds – Human Remains

If skeletal material is encountered during construction of the Project, a precautionary approach should be followed by treating any skeletal material as potential human remains until advice is sought from the Project Archaeologist.

Human remains that are found unexpectedly may be under the jurisdiction of the NSW State Coroner and must be reported to the NSW Police immediately. Management of human remains in NSW is subject to requirements set out in the Public Health Act 2010 and Public Health Regulation 2012.

The flow chart outlines the protocol to be followed in the event suspected human remains are encountered.

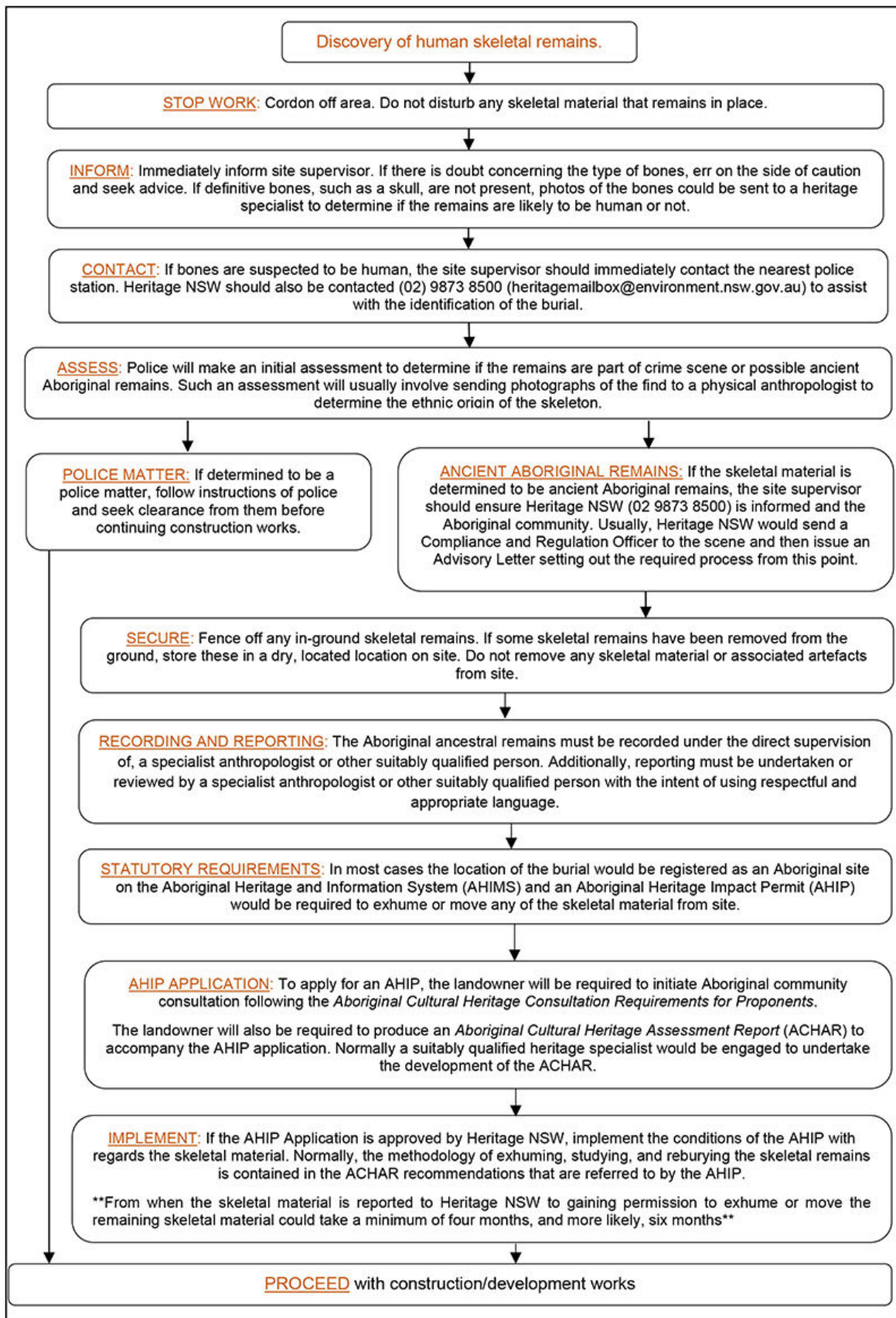


Figure D1: Procedure to be followed for unexpected human remains