

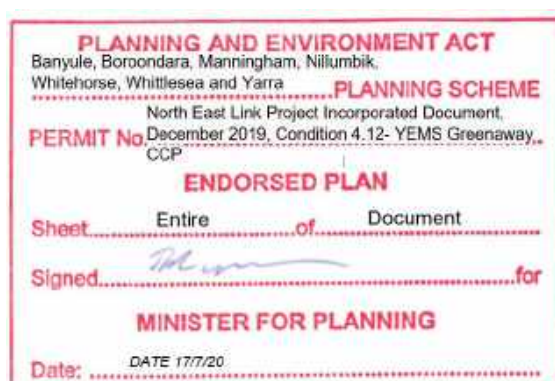
Construction Compound Plan (CCP)

Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen

Site Amenities & Temporary Works required to facilitate the Early Works Yarra East Main Sewer (YEMS) scope.

North East Link Early Works

Project number:	V01026
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Revision:	H



Document Approval

Rev.	Date	Prepared by	Reviewed by	Approved by	Remarks
A	01/04/2020				Issue to NELP
B	15/04/2020				Comments from NELP addressed. Issue to IEA
C	19/05/2020				IEA comments received and document amended to address these. Revision C submitted to NELP.
D	27/05/2020				NELP comments received and amended. Rev D issue to NELP Rev D issue to IEA (01.06 Figure 6 & 7 amended)
E	09/06/2020				IEA comments received, half of these comments have been amended and can be seen as highlighted text. This version has been sent to NELP to then transmit to DELWP for their review (04.06.2020) Remainder of IEA comments addressed. Sent back to IEA for verification (09.06.2020)
F	15/06/2020				IEA comments received and addressed DELWP comments received and addressed Sent to IEA for verification. IEA verified Rev F.
G	18/06/2020				This CCP now separated into CCP Greenaway St only. Trinity CCP to be addressed in separate plan.
H	22/06/2020				Comments from the IEA received and addressed. Verification provided from the IEA.

Details of Revision Amendments

Document Control

The Project Director is responsible for ensuring that this plan is reviewed and approved. The Project Environmental Manager is responsible for updating this plan to reflect changes to environmental, legal and other requirements, as required.

The current revision of this Plan shall be held on TeamBinder as a controlled document.

Amendments

Any revisions or amendments must be approved by the Project Director and/or State before being distributed / implemented.

Revision Details

Revision	Details
A	Draft first issue to NELP for review
B	Comments from NELP addressed. Issue to IEA for review
C	IEA comments received and document amended to address these. Revision C submitted to NELP.
D	NELP comments received and amended. Rev D issue to NELP Rev D issue to IEA (01.06 Figure 6 & 7 amended)
E	IEA comments received, half of these comments have been amended and can be seen as highlighted text. This version has been sent to NELP to then transmit to DELWP for their review (04.06.2020) Remainder of IEA comments addressed. Sent back to IEA for verification (09.06.2020)
F	IEA comments received and addressed DELWP comments received and addressed Sent to IEA for verification. IEA verified Rev F as combined CCP.
F	This CCP is now separated into CCP Greenaway Street only, no other changes made to verified plan. Trinity CCP to be addressed in separate plan at a later date.
G	This CCP now separated into CCP Greenaway St only. Trinity CCP to be addressed in separate plan.
H	Comments from the IEA received and addressed. Verification provided from the IEA.

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Definitions

Construction Environmental Management Plan (CEMP)	Overarching document which details the management of environmental aspects and impacts associated with the delivery of the works. The document has been prepared in accordance with the EMF.
Construction Compound	Long term compounds, including buildings for office, crib (meals), ablutions and washing facilities located within fixed a boundary.
Construction Site	Short term construction works areas or construction fronts including temporary storage/laydown areas that are to be undertaken throughout the Early Works
Early Works	CPB Contractors has been appointed Managing Contractor of the Early Works for the North East Link Project, The Early Works comprises the design development and potential modification, relocation and/or protection of 96 utility services.
Environment Effects Statement (EES)	Assessment of the potential environmental, social and business impacts associated with the proposed construction and operation of the North East Link Early Works under the <i>Environment Effects Act 1978</i> .
Environmental Management Framework (EMF)	The EMF is to provide a transparent framework to manage the environmental effects of the Project in order to meet statutory requirements, protect environmental values and sustain stakeholder confidence. The EMF provides clear accountabilities for the implementation of the Environmental Performance Requirements (EPRs)
Environmental Performance Requirements (EPRs)	A suite of performance-based environmental standards and outcomes that apply to the design, construction and operation of the Project. Define the minimum environmental outcomes that must be achieved during Project delivery.
Incorporated Document	GC98 - The delivery of the Project is facilitated by the Incorporated Document under the Banyule, Boroondara, Manningham, Whitehorse, Whittlesea and Yarra Planning Schemes approved December 2019.
Independent Environmental Auditor	The independent party appointed under the Contract (Managing Contractor Early Works) to undertake environmental reviews and environmental audits of project activities including assessing compliance with the EMF.
Managing Contractor	CPB Contractors Pty Limited is the Managing Contractor engaged by North East Link Project to manage the delivery of the Early Works Package in accordance with the Managing Contractor agreement.
North East Link Project (NELP)	North East Link Project is an organisation within MTIA that is responsible for developing and delivering the project on behalf of the Victorian Government.
Open Space	Land that provides outdoor recreation, leisure and/or environmental benefits and/or visual amenity.
Stakeholders	Stakeholders as specifically identified under Clause 4.5.5 (b-c) of the Incorporated Document. This includes relevant Councils, affected utility service providers, Roads Corporation and Melbourne Water.
Risk	Risk is measured as a combination of the magnitude of potential consequences of an event happening, and the likelihood of the event and associated impact occurring.
Sensitive Receptor	Sensitive receptors as per relevant statutory guidelines, including homes, schools, universities and hospitals, or places where a person's regular daily life might be affected by amenity impacts as a consequence of the Project. Sensitive receptors do not include public open space or places of work.
Primary Package	North East Link Project (NELP) is divided into various packages of works. Within this CCP document the 'Primary Package' refers to the main tunnelling works for the construction of the NELP Project, which are separate to the Early Works Package.

Unavoidable works	<p>Unavoidable works are defined in EPR NV3 and must be verified by the IEA as such for each instance they are undertaken.</p> <ul style="list-style-type: none"> - unavoidable works may result in noise from construction works during weekend/evening work hours and the night period which do not meet the guideline targets in EPR NV3

Abbreviations and Acronyms

CPB	CPB Contractors
CEMP	Construction Environmental Management Plan
CCEP	Communication and Community Engagement Plan
CCP	Construction Compound Plan
CNVMP	Construction Noise and Vibration Management Plan
EMF	Environmental Management Framework
EMS	Environmental Management System
EPA	Environment Protection Authority Victoria
EPR	Environmental Performance Requirement
FFG	Flora and Fauna Guarantee Act 1998 (Vic)
IEA	Independent Environmental Auditor
KCMS	Koonung Creek Main Sewer
NEL	North East Link
NEL EW	North East Link Early Works
NELP	North East Link Project
PSA	Planning Scheme Amendment
TPZ	Tree Protection Zone
UDS	Urban Design Strategy
YEMS	Yarra East Main Sewer

1. Introduction

1.1 Purpose of the Plan

The purpose of this Construction Compound Plan (**CCP**) is to comply with the requirements of clauses 4.12.1 and 4.12.2 of the North East Link Project Incorporated Document (**Incorporated Document**) and regulate the use and development of the YEMS Construction Compound.

This plan describes the proposed activities, hours of operation, potential environmental and community impacts including mitigation and management controls associated with the construction and operation of the proposed Construction Compound (Compound) that will support the Yarra East Main Sewer (**YEMS**) works as part of the Early Works package of the North East Link Project.

This Plan is prepared to cover the works for the YEMS Construction Compound to be located at 49 Greenaway Street, Bulleen. A second compound is proposed at Trinity Grammar Sports Complex, this will be presented in a separate CCP.

1.2 North East Link Early Works Overview

CPB Contractors (**CPB**) has been contracted by North East Link Project (**NELP**), a division of the Major Transport Infrastructure Authority, an administrative office in relation to the Department of Transport (Victoria), to provide Managing Contractor services for the North East Link - Early Works Package (**Early Works**).

The Early Works is to be undertaken to facilitate the relocation / protection of utility services to help minimise disruption during delivery of the North East Link Project.

The Early Works comprises the design development and potential modification, relocation and/or protection of 96 Utility Services which shall be impacted by, or are in close proximity to the NEL Project (**Primary Package**). The scope also includes procurement of an Independent Environmental Auditor (**IEA**).

The Early Works have been split into geographic zones northern, primary north, primary south and eastern. Locations of all Early Works compounds have not yet been fully finalised, the currently proposed locations are shown in Table 1.

Table 1: Work Zones - Early Works Package

Zones	Description	Construction Compounds
1. Northern	M80 Ring Road to Somers Ave (including Greensborough Bypass)	To be confirmed
2. Primary North	Lower Plenty Road to Somers Avenue	Borlase Reserve, Yallambie Simpson Barracks, Greensborough Rd
3. Primary South	Eastern Freeway Road Reserve to Greenaway Street	YEMS Construction Compound including: <ul style="list-style-type: none">Greenaway Street Construction Compound, Bulleen (this Plan)Trinity Grammar Sports Complex Construction Compound, Bulleen (to be submitted as a separate CCP)
4. Eastern	Hoddle Street to Springvale Road	To be confirmed

The following list outlines the Early Works scope:

Utilities relocations

- Power utilities relocations along Lower Plenty Road and Greensborough Road
- Communications utilities relocation along Lower Plenty Road and Greensborough Road

- Gas transmission main relocations along Greensborough road and Lower Plenty Road
- A number of utilities relocations works at Borlase Reserve, Yallambie including sewer reticulation, water mains, a pressure reducing station and Banyule Creek temporary diversion
- Replacement of a sewer main - YEMS relocation
- Water mains replacement under the Eastern Freeway at Balwyn North at Koonung Creek
- Power relocations in the northern zone at Watsonia, Greensborough Road and the M80
- Communications utilities around the northern zone at Greensborough Road and the M80
- Power relocations around the eastern zone at the Eastern Freeway near Elgar Road
- Communications utilities around the eastern zone at Greensborough Road and the M80
- All works associated with the above scope

Additional scope works

- Simpson Barracks – tree and vegetation clearing, erection of perimeter fence and fire/patrol roads (hardstand), construction of new buildings, demolition of decommissioned buildings, network communications
- Sports and recreation facilities at Ford Park, Ivanhoe and Binnak Park, Watsonia North – upgrade to turf with drainage, new pavilions, lighting, car parking, players shelters, spectator facilities, running track, fencing, demolition of decommissioned buildings and redundant infrastructure.

2. NEL Approvals

2.1 Primary Approvals and Incorporated Document requirements

NELP has obtained all Primary Approvals for the North East Link Project. Primary approvals apply to the Early Works. Primary approvals include; Planning approval under the Planning and Environment Act (Vic, 1987), approval of a Cultural Heritage Management Plan under the Aboriginal Heritage Act (Vic, 2006), approval for works on Commonwealth land under the Environment Protection and Biodiversity Conservation Act (Cth, 1999)

Planning approval for the NEL Project is facilitated through a Planning Scheme Amendment (**PSA**) (GC98), as gazetted on the 3rd of January 2020. The PSA allows for the use and development of the North East Link Project, subject to specific controls set out in the North East Link Project Incorporated Document which apply to all land within the designated project boundary.

The Incorporated Document allows the land within the project boundary to be used and developed for the North East Link Project. The Incorporated Document has the effect of exempting the project from the usual requirements of the planning schemes and allowing the use and development of land for the project, so long as the works are located within the project boundary, and comply with the conditions of the Incorporated Document.

The following conditions of the Incorporated Document are being met through the development of this Plan:

- CCP to be prepared in accordance with the requirements of clause 4.12 of the Incorporated Document
- Preparation of CCP to the satisfaction of the Minister for Planning
- On IEA verification and Minister for Planning acceptance of this Plan, presentation of the current version on a clearly identifiable Project website.

2.2 Secondary Approvals in relation to the YEMS package

Table 2 details the requirements of all relevant Secondary Approvals that may be required for the Compound. The relevant approvals will be obtained progressively as they are required relative to the works.

Table 2: Secondary Approvals

Legislation	Responsible Authority	Approval	Purpose/Location
<i>Heritage Act 2017 (Vic)</i>	Heritage Victoria	Heritage Permit consent to disturb (not required)	In the event that a works will impact on a registered place
<i>Flora and Fauna Guarantee Act 1988</i>	DELWP	Flora and Fauna Guarantee Permit	Permit to remove protected flora
<i>Wildlife Act 1975</i>	DELWP	Management Authorisation for the salvage and handling of fauna	In the event that works will require the salvage, handling, removal or destruction of wildlife
<i>Road Management Act 2004</i>	Manningham Council	Working within a road reserve permit	Local streets associated with the works
<i>Road Management Act 2004</i>	VicRoads	Working within a road reserve permit	Bulleen Road

2.3 EMF and EPRs

Figure 1 below illustrates the planning and environment approvals context for this Plan. This Plan is prepared in accordance with the Incorporated Document and its preparation is informed by other

relevant project approvals including the EMF and relevant EPRs. This process is described further in the sections below.

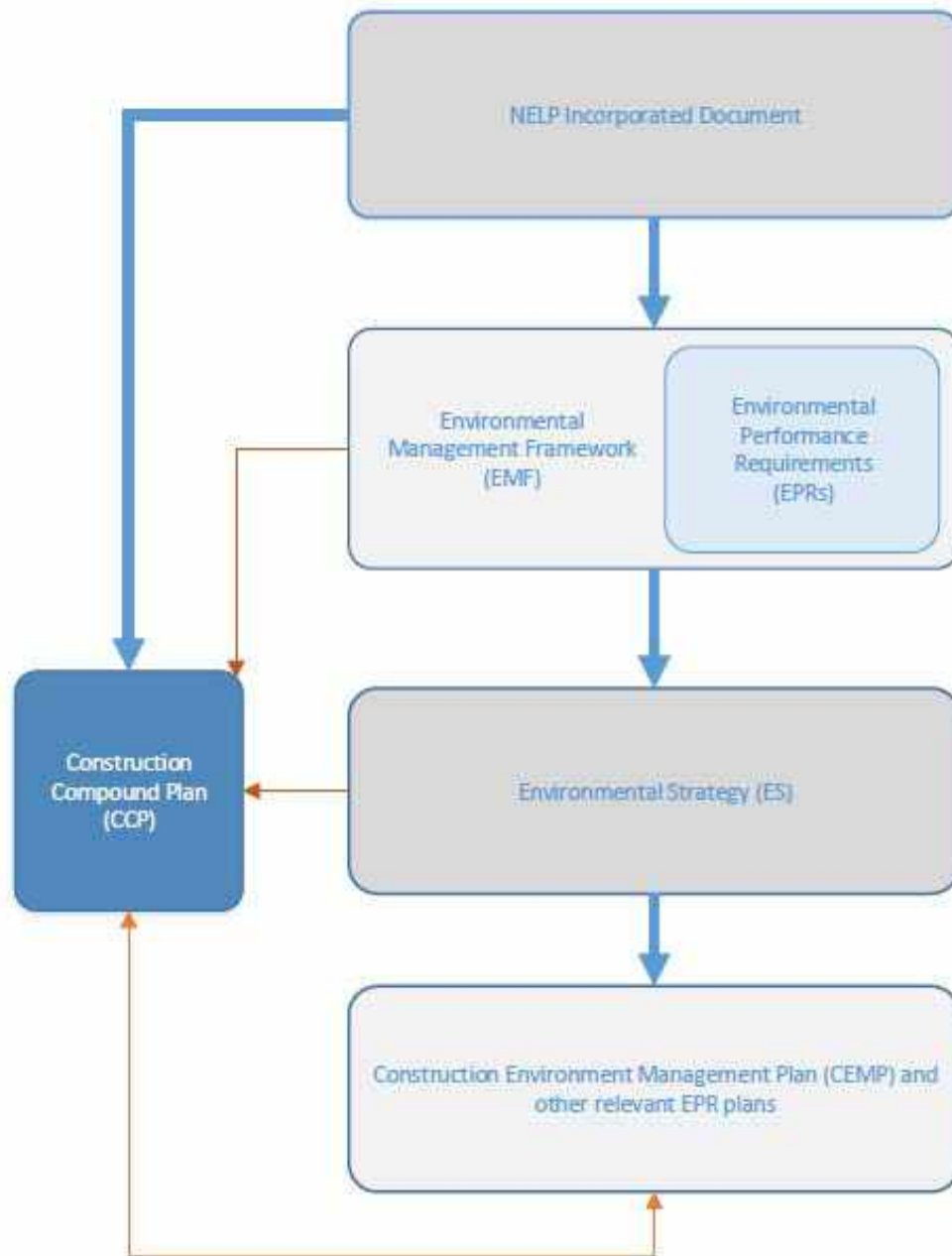


Figure 1: CCP Planning and approvals context

2.3.1 Environmental Management Framework (EMF)

The NEL Project was declared 'Public Works' under the Environment Effects Act 1978 (Vic), requiring NEL to prepare an Environment Effects Statement (EES) for assessment by the Minister for Planning. The EES includes an Environmental Management Framework (EMF) with Environmental Performance Requirements (EPRs), which apply to all works within the project boundary. The EMF provides a transparent and integrated governance framework to manage the planning, environmental and heritage aspects of the works, and outlines the accountabilities for the delivery and monitoring of implementation of the EPRs.

2.3.2 Environmental Strategy and Risk Assessment

The Environmental Strategy states how the Environmental Management Framework (EMF) including EPRs, and the findings of the Environmental Risk Assessment and Environmental Risk Management Strategy will be implemented through the delivery of Early Works and incorporated into the Construction Environmental Management Plan (**CEMP**) and other management documents (e.g. Worksite Environmental Managements Plans, EPR Plans and Urban Design and Landscape Plans.

The purpose of the Environmental Strategy, specifically in relation to this Plan, is to provide:

- A summary of each EPR and how these will be complied with including proposed actions, timing, consultation, proposed management plans and evidence of compliance
- An overview of the management documents that will be prepared to support the implementation of this Plan and other environmental documentation

2.4 Independent Environmental Auditor (IEA)

EPR EMF3 'Audit and report on environmental compliance' requires that an Independent Environmental Auditor (**IEA**) is appointed to review Project management plans and documentation and to undertake environmental audits of compliance with and implementation of the EPRs and environmental plans.

The EMF states that the IEA shall review and verify contractor's compliance with the EMF, Environmental Strategy, Environmental Performance Requirements and Incorporated Document.

CPB has procured the services of a suitably qualified and experienced IEA through the appointment of Nation Partners to undertake this role for the Early Works Package.

The IEA role includes the verification of 'Unavoidable Works'. Unavoidable works are defined in EPR NV3 and must be verified by the IEA as such for each instance they are undertaken. Unavoidable Works include activities in which the noise from construction during weekend, evening work hours and or the night period do not meet the noise guideline targets in EPR NV3. The Early Works Unavoidable Works procedure is included within the Construction Noise and Vibration Management Plan.

Appendix E contains the IEA verification for this Plan.

2.5 UDS

The Incorporated Document requires NELP to implement an approved Urban Design Strategy (**UDS**), including urban design framework plans. The UDS will provide a consistent framework and guide the built form of permanent above-ground buildings or structures (excluding preparatory buildings and works) associated with the Project. The UDS was approved by the Minister for Planning in March 2020.

The Compound described within this Plan meets the definition of preparatory buildings and works in the Incorporated Document (Clause 4.13.1) and therefore the UDS does not apply.

2.6 Compliance with the Incorporated Document

Clause 4.12 of the Incorporated Document outlines requirements for CCPs, including content requirements. These requirements are summarised in Table 3, together with a cross reference to where they are addressed in this Plan.

Unless an exemption has been provided by the Minister for Planning, CCPs are required for all construction compounds associated with construction of the NEL Project.

This Plan has been informed by the Early Works Environmental Strategy and requirements of the EPRs as described in Section 2.3.

CPB define Construction Compounds to be long term compounds, including buildings for office, crib meals, ablutions and washing facilities located within fixed a boundary.

Whereas, a Construction Site, are defined as short term construction works areas or construction fronts including temporary storage/laydown areas that are to be undertaken throughout the project, and do not require the development of CCPs.

Table 3: Incorporated Document - relevant clauses for this Plan

Document Reference	Content requirements	Where addressed
4.12.1	Prior to the use and development of any construction compound, a CCP must be prepared to the satisfaction of the Minister for Planning.	This plan
4.12.2 a)	A plan showing the location and layout of each compound and the categories of works and operations proposed within each compound.	Section 3
4.12.2 b)	The estimated duration of activity within each compound.	Section 3.6
4.12.2 c)	Demonstration that any compound proposed on land which is not to be permanently acquired are reasonably required in the location in which they are proposed, including demonstration that alternatives which reduce the impact of the compounds on such land are not feasible or practical.	Section 3.4
4.12.2 d)	Demonstration that the compounds (and categories of permissible works within each compound) have been sited to avoid, then minimise, then mitigate, impacts on sensitive uses (including residences, open space, schools, community organisations and sporting and recreation areas).	Section 4.1 Section 4.2 Section 4.3 Section 3.4
4.12.2 e)	Demonstration that the categories of works proposed within the compounds are appropriate having regard to whether the land is flood prone, including any flood modelling where appropriate, or has any particular environmental sensitivity, and that the works will be suitably managed to address any flood risk.	Section 4.4.3 Appendix C
4.12.2 f)	Measures to restore the former use of the land used for construction once these activities are complete.	Section 5
4.12.3	A CCP may be prepared and approved in stages but a CCP for any stage must be approved before the commencement of use and development for that stage.	This plan
4.12.4	A CCP may be amended from time to time, to the satisfaction of the Minister for Planning.	Section 7.1.5
4.12.5	All construction compounds must be located and operated in accordance with the approved CCP and relevant EPRs included in the approved EMF.	This plan Section 3 Section 4 Appendix A

3. Greenaway Street Construction Compound

This Plan describes the Compound that will be established to support the YEMS scope of works. The Construction Compound described in This plan is located at 49 Greenaway Street, Bulleen. Due to the large footprint and geographical context of works included in this scope, there will be an additional compound proposed to support the YEMS scope. This will be presented in a separate CCP.

In general, the construction compound will feature the establishment of a site staff office, site amenities for the construction team and subcontractors, storage of plant, equipment and laydown for construction materials. The overarching location of the construction compound in relation to the YEMS works alignment, environmental features and businesses is shown in **Figure 2**.

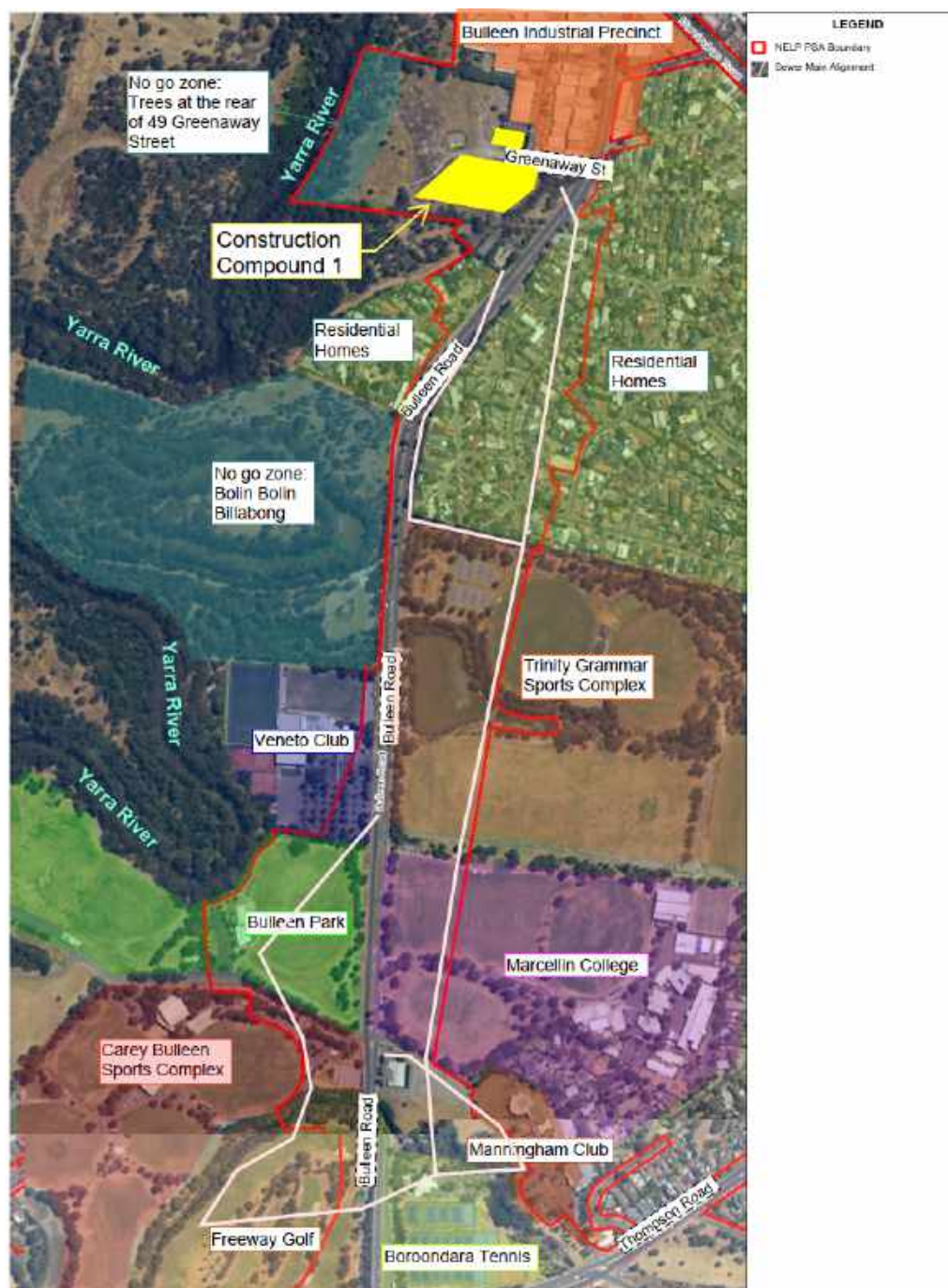


Figure 2: Construction Compound location with nearby receptors and features

3.1 Description of Site

Greenaway Street Construction Compound is located on a former drive-in site at 49 Greenaway Street, Bulleen 3105. The lease area that CPB will occupy is highlighted in Figure 3. The site is bordered by Greenaway Street, Bulleen Road, parkland and the Yarra River.

A portion of former drive-in site is heavily vegetated with trees along the Yarra River, the EMF defines this area as a no-go-zone and not to be impacted upon.



Figure 3: Greenaway Street Construction Compound

The Greenaway Street site compound lies within the 1% Annual Exceedance Probability (AEP) floodplain due to its close proximity to the Yarra River. As a result, stockpiling of contaminated material within Greenaway Street Construction Compound is prohibited.

The municipality that the land is situated on is Manningham City Council. The site is vacant private property land which will be temporarily occupied by the Early Works. NELP will be managing the land use through exercising their powers under the Land Acquisition and Compensation Act to secure the land parcel for the use of the Early Works.

3.2 Detailed Site Plan

The site plan can be observed in Figure 4. The site plan will feature office spaces and carparks for CPB and subcontractor staff. Some of the YEMS construction work areas occur within the road reserve, therefore there will be little opportunity to have onsite storage. As a result the Greenaway Street Construction Compound will feature storage areas to be used for pipes, equipment and machinery.

The Greenaway Street Construction Compound will be restricted to the lease area as per Figure 3 within 49 Greenaway Street, Bulleen. Fencing will be installed as per red line to delineate the construction compound. The YEMS work scope will feature an excavation shaft (MH16A) within 203 Bulleen Road, Bulleen. As a result, the compound establishment will include access to this site. There are two potential access routes to the MH16A work area. These are outlined in Figure 4 below. Option 1 will be utilizing an existing bitumen track to provide access to MH16A area. Option 2 features the construction of a new access track to the MH16A work area. Both options are outlined within Figure 4 below. The boreholes as labelled on Figure 4 are part of the NEL project and are to be kept accessible for testing during the occupation of the site.



Figure 4: Greenaway Street Construction Compound site map

Note: Exact location of carpark, site compound and laydown area are subject to minor layout changes within the lease plan area. These changes will be based on subcontractor preferences in optimising of the layout. All minor changes will be in accordance with Section 4: Management of Impacts and Appendix A: EPR Compliance.

3.3 Traffic and Access

Specific Traffic Management Plans (TMP) will be developed in accordance with the Transport Management Plan (EPR T2) to address movement of all modes of transport including cycle and pedestrians, around and within the project site compound.

All construction traffic to enter and exit the Greenaway Street Construction Compound via Bulleen Road. This will ensure that there is a minimisation of traffic through the Bulleen Industrial Precinct

A Traffic Impact Assessment will be undertaken for the Greenaway Street and Bulleen Road intersection. The result of this assessment will be approved by Manningham Council under the Road Management Act.

3.4 Justification of location and use of compound

The Greenaway Street Construction Compound is proposed on land which is to be permanently acquired by NELP under project designation. As a result, the Construction Compound location has been sited to comply with Clause 4.12.2(c) of the Incorporated Document.

In addition to considering the future land use, the location of the construction compound has been selected based on an assessment of avoiding, minimising and mitigating impacts on sensitive users. The Greenaway Street Construction Compound was deemed to have a minimal impact in terms of the following aspects:

- **Future Land Use:** 49 Greenaway Street will be located on land that is to be acquired area under Project designation. As a result, it is logical that CPB uses this area rather than impacting on another potential community area.
- **Proximity to Works:** The construction compound is located adjacent to significant work fronts. For example, the work area for one of the YEMS tunnel shafts (YEM16A) is located within 203 Bulleen Road, on the corner of Bulleen Road and Greenaway Street. The siting of the

Greenaway Street Construction Compound will ensure that construction impacts within the area are minimised within a smaller work footprint.

- **Sensitive Users:** The site office location has been selected to minimise community impacts. As the site compound is bordered by a main arterial road and a river, the compound location has minimised impacts on residences, open space, schools and recreational areas.
The YEMS construction works will impact on existing carpark in 203 Bulleen Road land plot. As a result an offset carpark will be constructed within the Greenaway Street Construction Compound. This can be seen on Figure 4.
- **Business Impacts:** These sensitive receptors include nearby businesses in the Bulleen Industrial Precinct. The nearest to the project being Speedy Shower Screens, Poynter Products, Yarra Park Smash Repairs, Watsonia Publishers. Impacts to businesses in the Bulleen Industrial Precinct due to the increased heavy vehicle movements will be managed in consultation with the industrial precinct. Communication to these businesses will be as per Section 6: Communication Strategy.
- **Cultural Heritage:** The area was selected as it did not feature any direct impacts with identified Aboriginal Cultural Heritage.

3.5 Work Activities

The permissible activities that will occur as part of the Greenaway Street Construction Compound are detailed below. These works have been sited to avoid, minimise and mitigate impacts on sensitive users through the risk assessment identification as per Section 4.3.

1. Installation of environmental controls
 - a) Silt fencing to be installed around crushed rock hardstand area. This will ensure that no sediment runoff will occur into the Yarra River.
 - b) Stormwater drains to be protected from sediment by suitable controls (eg: silt socks)
 - c) Spill kits to be located to respond to site context (proximity to the Yarra River) and activities including chemical storage and refuelling.
 - d) Site exit shall be stabilised to prevent mud tracking and dust.
 - e) TPZ to be established and delineated from the site operations.
2. Compound, carpark and haul road establishment:
 - a) Indicative tree impacts are shown as per Appendix B: Tree Impact Plan. Tree management procedures and methodology will follow Tree Removal EPR Plan and Tree Protection EPR Plan. The definitive tree removal guidance will be outlined in the WEMP "YEMS Construction Compound". This will feature site specific arborist reports for all trees that are to be removed or protected within Greenaway Street Construction Compound.
 - b) Topsoil stripping to level the hardstand area.
 - c) Hard stand area to be established through compaction of crushed rock. Crushed rock to be placed and compacted in layers with a drum roller. A preferred water-based polymer to be applied to the top layer to ensure binding of finer particles and thus, reduction of dust.
 - d) Compound building to be placed on footings (as per Temporary Works Design) using a pick and slew crane
 - e) It is expected that the polymer may lose integrity with vehicles trafficking over the carpark or haul road. Reapplication of the polymer will occur when this eventuates. Dust will also be managed through the application of water to internal roads and carparks.
 - f) Stabilised exits to be installed on the haul road to ensure that trucks do not cart unwanted soil or rocks onto public roads. These exits to be in the form of rumble grid or larger diameter crushed rock
3. Services to be connected to the compound:
 - a) Generators to be used for site power until an anticipated connection to mains power supply can be organised. There is an existing powerpole located within the compound precinct.

- b) Sewage disposal to be managed through installation of septic tanks, these will be pumped to a licensed waste facility on a regular basis. Septic tanks to be above ground and impermeable to ensure no leakage into the surrounding environment. Temporary works design will confirm whether establishing a connection to existing is an option for the compound. Direct discharge to sewer may also be sought with consultation and approval from Yarra Valley Water.
- c) Water supply from a nearby hydrant or by truck delivery to potable water tanks until connection to water mains is established; water mains located in footpath adjacent to the compound.

3.6 Timing

The Greenaway Street Construction Compound works is anticipated to begin in July, 2020. Once the compound is established it will be used as a site office and laydown area for the remainder of the NEL Early Works YEMS Zone Scope until completion and demobilisation as scheduled in July 2021.

The site compound mobilisation activities will occur concurrently over an indicative timing of two weeks.

Table 4: Greenaway Street Compound setup activities and indicative timings

Section Reference	Work activity	Duration
3.5.1	Environmental controls <ul style="list-style-type: none"> a) No-go-zone setup for area of vegetation near the Yarra River. b) Tree removal to be undertaken and TPZ setup c) Spill kit procurement and placement 	3-4 days 1 week
3.5.2	Compound establishment <ul style="list-style-type: none"> a) Hardstand area establishment b) Haul road installation c) Lifting and placement of compound buildings using crane d) Connection of services e) Installation of fencing 	2-4 weeks 1 week 1 week 1 week 1 week 2-3 days
3.5.2	Carpark construction (compound and additional offset carpark)	1 week

3.7 Operation of the Compounds

The operation of the Construction Compound will be in accordance with this Plan and relevant EPRs included in the approved EMF. This Plan has been prepared in reference to the CEMP, Communication and Community Engagement Plan (**CCEP**) and Construction Noise and Vibration Management Plan (**CNVMP**).

1. The Construction Compound shall support works to deliver the utility services construction in the YEMS scope area (Figure 2). The categories and types of work that the compound will support are:
 - a. Replacement of section of the YEMS as it clashes with the proposed NEL Project reference design
 - b. New Yarra East Replacement Sewer to replace this section of the YEMS
 - c. Subsequently relocate a section of the Koonung Creek Main Sewer (KCMS)
 - d. New reticulation sewer to pick up any connections/branches affected by the YEMS relocation.

2. These work activities and the corresponding environmental implications will be detailed in the Worksite Environmental Management Plan and general overview of the work activities are outlined below:
 - a. Excavation of launch and receival shafts for micro-tunnelling operation, these shafts will range from approximately 3 to 20 metres deep.
 - b. Installation of sewer pipelines featuring either a micro-tunnelling or open cut trenching installation methodology. This is based on the engineered design, type of sewer, impacts to residents and construction footprint constraints.
3. In general, the Construction Compound will be used for: -
 - a. Amenities for Personnel; including buildings for bathrooms, first aid and a meals/crib room
 - b. Management and supervision of works
 - c. Pre-start meetings
 - d. Storage of tools, equipment and non-hazardous substances within shipping containers
 - e. Hazardous substances will be stored within bunded shipping container compliant with AS 1940:2017
 - f. Storage of vehicles, plant, trucks, and construction materials
4. Stockpiling of work materials including clean fill soil, backfill sand, crushed rock and broader laydown of pipeline supplies. Soil stockpiling is required within the Construction Compound. This will be as a result of excavation for the levelling of the hardstand compound area and excavation for the tunnelling shafts. The management of spoil will be conducted to meet the relevant regulatory requirements and elements of EPR reference CL1 Spoil Management Plan and SW5 Surface Water Management Plan. The following controls are to be implemented:
 - a. All stockpiles to be located greater than 20 meters from waterways/flow paths where practicable.
 - b. Records of stockpile management, including stockpile naming, tracking, movements, source, disposal must be documented as described in the Spoil Management Plan and Worksite Environmental Management Plan.
 - c. Establish sediment controls around all stockpiles and batters, considering the vulnerability of soil loss, paying attention to protecting slopes.
 - d. The number of stockpiles, the area and the time stockpiles are exposed is to be minimised and planned in WEMPs where practicable.
 - e. Stockpiles and batters are designed with slopes no greater than 2:1 (horizontal/vertical).
 - f. No contaminated spoil to be stockpiled within the 1% AEP flood level. As a result, no contaminated spoil to be stockpiled within the YEMS Construction Compound.
5. Refueling to be conducted with mini tanker trucks. Refuelling must not occur within 30m of a waterway as a result refueling to occur in the construction carpark and storage area, unless a specific risk assessment has deemed the risk can be managed. Eliminate ignition sources in vicinity of refueling operations. Switch off engines of plant and vehicles before commencing refueling. Spill kit to be located in carpark of the Compound. This is to ensure it is in close proximity to the refuelling operation.
6. All haul roads are to be inspected to ensure that the dust suppression integrity is maintained. This is to be undertaken on a daily basis by the construction team throughout compound operation. Site access and egress to the Compound to have stabilised entry points such as rumble grids.

3.7.1 Working Hours

The primary use of the compound will align with standard construction hours:

Standard Working Hours:

Monday to Friday: 7am to 6pm

Saturday: 7am to 1pm

Unavoidable Works:

When the compound operates it will be required to operate within the noise limits of EPR NV3. If works that are to occur outside of normal working areas cannot meet the noise limits of EPR NV3. The activity must be verified as 'Unavoidable works' by the IEA. Noise modelling will be undertaken to establish predicted noise levels and noise mitigations will be implemented as per the CNVMP.

The unavoidable works procedure is most relevant to this Plan during operation of the site compound during night hours. 'Unavoidable works' are defined in EPR NV3 are construction works which cannot occur during normal construction hours as they do not meet the weekend, evening, night period noise guidelines. EPR NV3 gives the following examples of unavoidable works; they require road or rail occupations, are emergency or safety works, involve tunneling or demonstrates and justifies a need to operate outside normal working hours and exceed the noise guideline targets. For works to be justified to be unavoidable, they must be verified by the IEA before they proceed and for each instance that they are undertaken.

Site hours and access to site during night works will be determined on a case by case basis and by specific scope requirements (road closures, diversions etc.). CPB Contractors will work closely with NELP and the IEA to carefully coordinate works to ensure there is minimal inconvenience to the community.

4. Management of Impacts

The compound construction delivery methodology is established in line with the process of risk management as described in Section 2.3. This process is undertaken through identifying sensitive uses, assessing the risks of construction activities to be undertaken, applying the compliance framework (EPRs) and implementing mitigations and controls to manage the identified risks.

Section 4.3 describes the application of controls which are taken from the EPR Plans, CEMP and WEMPs to manage the risks and impacts of the construction activities. Refer to Section 7 for a high level description of CPB's Environmental Management System (**EMS**), including documents and plans, more information can be found within the CEMP.

4.1 Identification of Sensitive Receptors

Clause 4.12.2 (d) of the Incorporated Document requires demonstration that the compound has been sited to avoid, then minimise, then mitigate impacts on sensitive uses.

The location of the Greenaway Street Construction Compound impacts on the following sensitive users:

- 1) Residents on the following streets
 - a) Austin Street
 - b) Avon Street
 - c) Bulleen Road
- 2) Businesses
 - a) Tao's Asain Fusion Restaurant
 - b) Speedy Shower Screens
 - c) Poynter Products
 - d) Yarra Park Smash Repairs
 - e) Watsonia Publishers
 - f) John Donohue Auto Repairs

Section 3.4 justifies the location of the construction compound in reference to avoiding, minimising and mitigation impacts on these sensitive users. These sensitive receptors in relation to the compound placement and the overall construction work boundary can be seen in Figure 2.

The consultation and engagement that has occurred and is ongoing in relation to the management of these sensitive receptors is detailed within Section 6.1.

4.2 EPR Compliance

The applicable EPRs will be addressed through development of project specific management plans or procedures and controls that will be implemented across the Early Works and, where applicable, for this Plan. The EPR Plans listed in Table 5 will be developed and implemented for activities associated with the Early Works Package.

EPRs that directly relate to this Plan and a summary of how each relevant EPR will be complied with is detailed in **Appendix A**. Appendix A outlines the proposed compliance documentation, including management plans or documents, consultation, timing and compliance monitoring that will be undertaken by CPB to address relevant EPRs.

Table 5: Early Works Package - EPR Plans

EPR Sub Plan Number	EPR Sub Plan Name	Relevance to this Plan
NEL-EW-CPB-1990-EEE-PLN-0004	Dust and Air-quality Management and Monitoring Plan	The Dust and Air Quality Management and Monitoring Plan will outline overarching management methods and controls in relation to dust and air quality. The operations and activities within the

EPR Sub Plan Number	EPR Sub Plan Name	Relevance to this Plan
NEL-EW-CPB-1990-EEE-PLN-0005		construction compound will adhere to the management plan.
	Tree Removal Plan	EPR Plan: Tree Removal Plan outlines the broad Early Works management procedures that will be followed by the construction compound works. Indicative tree removals are detailed as per Appendix B: Tree Impact Plan. Definitive tree removal guidance will be outlined in the WEMP "YEMS Construction Compound". This will feature site specific arborist reports for all trees that are to be removed within Greenaway Street Construction Compound.
NEL-EW-CPB-1990-EEE-PLN-0006	Tree Protection Plan	EPR Plan: Tree Protection Plan to be followed for the construction compound works. This plan will outline management procedures in relation to TPZs. Indicative tree protection zones are detailed as per Appendix B: Tree Impact Plan. Definitive tree protection guidance will be outlined in the WEMP "YEMS Construction Compound". This will feature site specific arborist reports for all trees that are to be protected within Greenaway Street Construction Compound.
NEL-EW-CPB-1990-EEE-PLN-0008	Spoil Management Plan	Spoil Management Plan will be used to manage stockpiling, soil categorisation and disposal options for the works within the construction compound. The WEMP will feature the categorisation for the construction compound areas and site-specific spoil management procedures.
NEL-EW-CPB--1990-EEE-PLN-0014	Ground Movement Plan	Ground movement is attributed to settlement due to large excavation depths. The construction compound establishment will have shallow excavations that are compacted to ensure a stable hardstand for the site buildings. No ground movement as a result of settlement is expected to occur for the works within this Plan
NEL-EW-CPB-1990-EEE-PLN-0009	Groundwater Management Plan	The excavation depth for the CCP works will be shallow, at a maximum of 500mm. As a result, excavations that are to occur as part of the CCP works are not to impact on groundwater levels. Worksite Environment Management Plan to be created in accordance to the Groundwater Management Plan
NEL-EW-CPB-1990-EEE-PLN-0010	Archaeological Management Plan	The management of Historical Heritage will be undertaken as per the Archaeological Management EPR Plan.

EPR Sub Plan Number	EPR Sub Plan Name	Relevance to this Plan
		Cultural Heritage Management Plan condition to be followed for CHMP induction and unexpected finds procedure.
NEL-EW-CPB-1990-EEE-PLN-0003	Construction Noise and Vibration Management Plan	The Construction Noise and Vibration Management Plan outlines the monitoring and guidelines to minimise noise impacts on sensitive receptors outlined in Section 4.1.
NEL-EW-CPB-1990-EEE-PLN-0011	Surface Water Management Plan	Surface Water Management Plan will relate to This Plan in terms of installing controls to ensure the Yarra River is not impacted by surface runoff from the construction compounds
NEL-EW-CPB-1990-ESU-PLN-0001	Sustainability Management Plan	The construction compound has an opportunity to undertake sustainable initiatives such as integration of renewable energy, adherence to Wfs-5 Site Compounds in IS version 2.0, and water retention to contribute to the Project's sustainability objectives.
NEL-EW-CPB-1990-CTM-PLN-0001	Transport Management Plan	Construction compounds have various interface with community-based pedestrians, cyclists and vehicle traffic as well as generating additional traffic due to the introduction of construction workers to the area. The Transport Management Plan addresses the transport related concerns that may arise throughout the duration of the construction compound lifecycle and presents clear solutions in order to keep the compound environment safe
NEL-EW-CPB-1990-EEE-PLN-0012	Flood Emergency Management Plan	The Flood Emergency Management Plan will be used to outline the flood risk for the YEMS Compound and evacuation procedures to manage this.
NEL-EW-CPB-1990-PSC-PLN-0001	Communication and Community Engagement Management Plan (CCEMP)	The works within the Construction Compound will be undertaken as per CCEP. Communication and Community Engagement has been referenced as per Section 6 of this Plan.

4.3 Risk Assessment Identification of Impacts

The risk to sensitive receptors and the environment has been assessed as part of the preparation of this Plan. Based on the activities detailed in Section 3, the risks below have been identified with proposed controls to manage this risk. These controls shall all be in place prior to commencement of the construction activity to which they relate.

Throughout the Early Works, project inspection, monitoring and auditing shall be conducted as directed in the CEMP and EPR Plans. Environmental Performance Reporting shall be conducted monthly and issued to NELP within the Contract Monthly Report. CPB have Weekly Environmental Inspection Checklists that will be completed to ensure that environmental controls are installed on sites as per the EPRs. The Weekly Environmental Inspection Checklist will be completed at Construction Compound locations on a rotational basis with the other worksites. The main items the checklists will consider for the Construction Compound include the implementation of the controls listed below, management procedures as per Section 4.4 and ensuring that the EPRs are being complied with as per Appendix A.

Table 6: Risk Assessment – Greenaway Street Construction Compound

Construction activity	Associated Impact (risk)	Controls
Aboriginal Cultural Heritage (AH)		
All works	<ul style="list-style-type: none"> Unexpected artefacts being found and potentially destroyed 	<ul style="list-style-type: none"> CHMP site induction for any personnel performing works to break ground. Unexpected finds to be managed in accordance with the approved Cultural Heritage Management Plan (CHMP 15576).
Air Quality (AQ)		
Haul Road & Hardstand Construction	<ul style="list-style-type: none"> Dust generation causing physical discomfort Deposition on buildings and vehicles causing soiling and aesthetic impacts to sensitive receptors Adverse impact to vegetation 	<ul style="list-style-type: none"> Disturbed areas and haul roads to be treated with dust suppressants especially in high risk areas or on high risk days Stockpiles to be monitored, sediment fence at toe of stockpile to minimise sediment runoff Mud tracking and dust on roads to be minimised through use of stabilised site exits such as crushed rock or rumble grids and road sweepers Traffic speed limit of 10km/h to be adhered to on site Water trucks will be used where required off haul road to work fronts Environmental Inspection Checklists to be completed as per beginning of Section 4.3.

Construction activity	Associated Impact (risk)	Controls
Arboriculture (AR) / Flora and Fauna (FF)		
All works	<ul style="list-style-type: none"> Impacts on trees Adverse impact to native vegetation Adverse impact on fauna and flora Commitment to minimise impacts on trees may have adverse impacts on the community. 	<ul style="list-style-type: none"> All arboriculture and flora and fauna related works to be undertaken as per controls and management procedure outlined in Tree Protection EPR Plan and Tree Removal EPR Plan and CEMP Flora and Fauna sub-plan. Construction Compound location has been selected to avoid and minimise any tree removal. Appendix B outlines the estimated tree removal due to the works within this Plan. All plant to remain on haul roads as much as possible to minimise damage to vegetation. For site operations within the drip zone of trees, TPZ to be established through site arborist. TPZ to be delineated with barricading as a 'no-go-zone'. Chapter 25 of the Environment Effects Statement: Ecology has been reviewed to site the compound in a location with minimal impacts to nearby existing ecology Ecological assessment to be completed prior to works as per Section 4.4.1 to determine any sensitive ecological areas in the works proximity. If a threat to an animal is evident, works are to cease. Licensed fauna handlers will be contacted for fauna relocation.
Historical Heritage (HH)		
All works	<ul style="list-style-type: none"> Destruction of artefacts within heritage overlay place - HO72 Archaeological site Bulleen Drive-In (fmr) Adverse impacts to unexpected Historical Heritage finds 	<ul style="list-style-type: none"> The management of Historical Heritage will be undertaken as per the Archaeological Management EPR Plan. The condition of this site will be monitored through a pre-construction and post-construction assessment survey. This will be undertaken prior to Construction Compound establishment. During works, if any stone building rubble, stone foundations, quantities of glass bottles, bricks or other unusual or previously unknown archaeological material are uncovered or identified, all work within 25m of the place(s) or

Construction activity	Associated Impact (risk)	Controls
		item(s) shall cease immediately and the project archaeologist must be consulted.
Landscape and visual (LV)		
Compound office operation	<ul style="list-style-type: none"> Light spill during the use of compound office outside of the standard working hours as per Section 3.7.1 resulting in impact on sensitive receptors 	<ul style="list-style-type: none"> Site induction to include detail on adhering to office hours and unavoidable works process to meet the requirements of the EMF.
Compound operation (Night Works)	<ul style="list-style-type: none"> Impact on nearby fauna habitat by disrupting natural light cycles. 	<ul style="list-style-type: none"> Lighting towers will be angled and placed to avoid impact on nearby receptors Compound lighting to be installed with advice from ecologist to ensure impacts to usual animal circadian rhythm is not impacted due to the compound lighting
Noise and Vibration (NV)		
Haul road and hardstand construction	<ul style="list-style-type: none"> Nuisance noise Nuisance vibration Structural damage 	<ul style="list-style-type: none"> Undertake construction activities within the nominated hours of work, where possible.
Establishment of Compound and buildings	<ul style="list-style-type: none"> Community concern / complaint 	<ul style="list-style-type: none"> Construct and maintain noise barriers to shield significant noise generating activities or plant as required in order to comply with EMF guidelines.
Grubbing and Clearing	<ul style="list-style-type: none"> Noise impact from nightly pre-starts and general site usage for night works 	<ul style="list-style-type: none"> Noise monitoring conducted in accordance with the noise and vibration monitoring procedure on the CNVMP and at a frequency and at locations to confirm compliance with the regulatory limits will be conducted.
Tree Removal		
Compound usage for Night Works		
Surface Water (SW)		

Construction activity	Associated Impact (risk)	Controls
Haul road and hardstand construction Operation of compound and buildings	<ul style="list-style-type: none"> Adverse impacts to water quality Adverse impacts to aquatic flora and fauna Damage to property, interference to amenity due to flooding risk Disturbance of watercourse stability, waterway modification Uncontrolled release of poor quality water (turbid, high/low pH, other) 	<ul style="list-style-type: none"> Flood Emergency Management Plan to be present and briefed at each construction compound Silt fences around stockpiles to control sediment runoff
Waste Management		
All works	<ul style="list-style-type: none"> Environmental impacts such as spreading of pollution or loss of biodiversity due to incorrect management of waste 	<ul style="list-style-type: none"> All wastes including spoil to be classified, stored, tracked, transported and treated in accordance with contractual and regulatory requirements, including the use of licensed transporters and treatment facilities Suitable and sufficient receptacles (bins, skips, tanks, etc.) provided at work areas to facilitate correct segregation of waste. All receptacles to be labelled and used correctly to avoid contamination.
Hazardous Materials		
All works	<ul style="list-style-type: none"> Uncontrolled release of hazardous substances from storage containers Hydrocarbon spills 	<ul style="list-style-type: none"> Storage and handling of hazardous substances in accordance with AS1940:2017 and Safety Data Sheet (SDS). Hazardous substances stored in a bunded area with minimum holding capacity of 110% of the largest container within the bund or 25% of the total capacity of all containers within it, whichever is the greatest. Spill kits must be located near all hazardous substance storage units Refuelling to be conducted with mini tanker trucks. Refuelling must not occur within 30m of a waterway as a result refuelling to occur in the construction carpark and storage area. This is where generators are located. Eliminate

Construction activity	Associated Impact (risk)	Controls
		ignition sources in vicinity of refuelling operations. Switch off engines of plant and vehicles before commencing refuelling. Spill kit to be in close proximity to refuelling operation.

4.4 Management of Environmental Sensitivities

From the environmental risk and EPR compliance assessment above some aspects of the compound have specific environmental and / or Community sensitivities. These sensitivities and their risks and controls are discussed further below. These sensitivities, specifically, ecology, arboriculture, flood risk, traffic impact and noise impacts and cultural heritage are highlighted because they are bespoke to the Greenaway Street Construction Compound and additional mitigations and controls outside the standard EMS may be required to manage these risks.

4.4.1 Ecology

An ecological assessment will be undertaken prior to works commencing to:

- Determine the requirement for a permit under the *Flora and Fauna Guarantee Act 1988* (FFG Act), these will be obtained as required.
- Assess native vegetation impacts to inform the 'avoid and minimise' statement which will articulate the steps taken to avoid and minimise impacts to native vegetation as part of the design and construction of the compound
- Map the location of native fauna habitat that will require supervision during site establishment to ensure compliance with the *Wildlife Act 1975* and *Fisheries Act 1995*.

The ecological assessment will be completed prior to site establishment. A report will be prepared detailing the results of the assessment, requirements for a FFG permit, avoid and minimise statement, offset calculations in accordance with the *Guidelines for the removal, destruction or lopping of native vegetation* (DELWP 2017), and a map showing the location of fauna habitat requiring supervision during site clearing. The ecological assessment will be included in the YEMS WEMP.

Prior to any disturbance, clearing or grubbing activities in any locations the following must be in place;

- A CPB internal Permit to Clear (including pre-clearing checklist). Followed by a post-clearing checklist
- No-go Zones for significant flora and fauna must be established and TPZs, fenced/flagged and sign posted prior to commencement of clearing. (FF1, AR2)
- A wildlife catcher/spotter with Management Authorisation under the Wildlife Act 1975 needs to conduct a search for any wildlife that may need to be removed and relocated, immediately prior to habitat removal.

There are EMF No-go Zones at two locations in proximity of the construction compound. These include Bolin Bolin Billabong and the rear of 49 Greenaway Street. The No-go Zones are shown in Appendix D. The No-go Zone at the rear of 49 Greenaway Street will be fenced off with appropriate signage installed. Any additional No-go Zones established for the construction compound area, such as native vegetation/trees to be retained, are also to be fenced. These additional No-go Zones are to be determined by the ecology assessment and shown on the YEMS WEMP. Any damage to No-go Zone fencing or signage must be reported to supervisor or Environment Manager immediately.

4.4.2 Arboriculture

In regard to arboriculture management for the Construction Compound the following documents will be used to outline management procedures and methodologies in compliance with the EPRs:

- AR1: Tree Removal Plan
- AR2: Tree Protection Plan
- HH1: Design and construct to minimise impacts on heritage
- CEMP including the Flora and Fauna sub-plan.

A detailed arborist assessment will be undertaken prior to works commencing to determine the exact extent of tree impacts due to the haulage routes. The aim of this assessment will be to avoid trees that are flagged for removal in Appendix B. It is understood that the construction of permanent access routes is unavoidable through the TPZ of several retained trees. Tree retention is preferred and therefore the following process is to be followed in the establishment of haul roads:

- A site review is to be completed by the Project Arborist to assist in identifying trees that may be able to be retained adjacent to the haul road.
- A review of the finished levels of the haul road is to occur to ascertain whether the identified tree can remain viable. Non-destructive investigations may be required to ascertain the presence of tree roots that may impact on the stability and longevity of a tree if they were to be damaged or lost during haul road construction.
- A review of the construction process and haul road design is to occur by a project team comprising of a Project Engineer, Project Arborist and Environment Team member to ascertain whether modifications can be made to allow tree retention.
- Where a haul road is to be constructed the following should be considered:
 - 1) Trees to be retained are to be clearly marked with survey tape.
 - 2) Protection measures established by the project review are to be clearly communicated to all crew on site.
 - 3) Excavation and leveling of ground surface will be required for the construction of the haul road. The Project Arborist is to be present on site for excavation within the TPZ of retained trees.
 - 4) The condition of trees should be reviewed throughout the project.

Prior to any tree removal works an ecological and arborist assessment of the Construction Compound is to be undertaken and records to be taken of proposed removals. All tree removals are to be approved by the State. Coordination of tree removal will be undertaken between the site works team, Project Environmental Representative and a qualified arborist to ensure that tree removal is minimised during the site compound setup works. Records will be maintained for any removals in order to meet EPR AR1.

All trees that will remain in YEMS Site Compound will be protected by temporary fencing in accordance with the TPZ requirements. The TPZ is calculated by multiplying the tree diameter at breast height (1.4m) above ground level by 12. This will include the no-go zone outlined in the EMF in regard to trees on the edge of the Yarra River within the Greenaway Street site compound. Figure 4 within Section 3 outlines the fencing to ensure there is no encroachment into the 49 Greenaway Street no go zone in accordance with HH1 and Section 4.4.7.

Signage will be posted to ensure that no incursions into the TPZs occurs (unless otherwise agreed with Project Arborist). Tree Protection Fencing is to be installed in accordance with AS 4970-2009 Protection of trees on development sites and the following methodology:

- To the extent of the TPZ unless otherwise agreed to with the Environment Team and or the Project Arborist
- Constructed from temporary fence panels or Paraweb fencing that is secured to metal pickets using fencing wire or similar.
- Braced as required to provide an adequately robust structure.
- Identify clearly with a sign at a minimum of 10 metre intervals that clearly designates the area as a TPZ and a No-Go Zone.

4.4.3 Flood Risk

Flood modelling from Melbourne Water, NELP Environment Effects Statement and VicMap flood mapping layers was evaluated to determine the flooding risk for the greater YEMS area. The flood modelling data can be found in Appendix C.

It has been highlighted through the design process that the Greenaway Street Compound is within the 1 in 100-year ARI floodplain. The Yarra Flood plain has a response time in days to weeks. This is because the flood plain is a result of the storage capacity of the Yarra River and Koonung Creek reaching capacity. Due to this, the Construction Compound areas will have time to anticipate flooding and prepare accordingly.

Despite the fact that the proposed compound is located within the flood plain, it was determined that the location selected is the most appropriate due to the close proximity to the works, low impacts to sensitive receptors and is located on land that is to be permanently acquired by NELP.

Specific flood modelling in consultation with Melbourne Water will be undertaken as part of the temporary works design of the Greenaway Street Construction Compound. This is to ensure that the compound is raised adequately for safe access and also to minimise impacts to existing flow paths. The adoption of any controls that are a result of this modelling will be implemented to manage the risks of flooding relative to the construction compounds.

The flood risk will be managed through implementation of the Flood Emergency Management Plan. This will be developed in accordance with EPR SW7. The key controls identified in the Flood Emergency Management Plan are consistent with the Emergency Response Plan these are outlined below:

- As the Yarra River flood plain is a slow response floodplain that reacts in days or weeks. Flooding within the construction compounds is foreseeable. The Bureau of Meteorology (BOM) website and warnings shall be monitored and consulted for any emergencies or flood predictions to determine if a high flood risk period is approaching. The designated site safety advisor shall monitor rainfall forecasts and flood warnings informing the workforce of any potential flooding events.
- Ensure all personnel are aware of the Emergency Response Plan and their associated responsibilities.
- The proposed strategy is to classify all spoil to be excavated prior to works beginning. This will ensure that all spoil can be removed from site without stockpiling. There may be certain site constraints that limit this strategy, all spoil that is to be stored on site shall be managed as per Spoil Management EPR Plan. While having stockpiles outside of the floodplain would be desirable, there is no logical way of doing this for the YEMS scope as the full construction area is within the floodplain. No contaminated spoil will be stockpiled within the Construction Compound area. For clean fill stockpiles, to manage the risk of flood waters washing away stockpiles in the foreseeable event of flooding, stockpiles are to be removed as soon as possible. Long term stockpiling spoil within the YEMS work scope area is to be kept to a minimum throughout works.
- If there is a likelihood of flooding within the Construction Compound area. All machinery and portable equipment that is at risk of damage to be removed from the compound to other occupied project areas that are not within the floodplain. This decision will be determined by the Project Manager or site supervisor (dangerous goods are to be the first moved, if applicable). It would not be reasonable to store machinery, equipment and chemicals permanently at another Construction Compound due to the following reasons:
 - All Early Works Construction Compounds have been sited to minimise impacts on nearby sensitive receptors. If another compound were to permanently accommodate storage of YEMS works equipment and machinery this would result in a large amount of vehicle movements between both sites.
 - The additional time spent transporting equipment will significantly increase program pressure for CPB and NELP.
 - The floodplain for the YEMS compound is slow responding, as a result risks can be managed in a proactive manner.

- All chemicals to be secured in bunded site storage containers in accordance with the requirements of the CEMP and Hazardous Materials Sub-plan. Storage and handling of hazardous substances in accordance with AS1940:2017 and Safety Data Sheet (SDS). This will ensure that there will be no chemical leakages as a result of flooding.
- The management of the Construction Compound will follow procedure outlined within the Flood Emergency Response Management Plan in regard to the management response to flooding.

4.4.4 Noise & Vibration

4.4.4.1 Noise Modelling

Noise modelling has been conducted for the Construction Compound as per the CNVMP considering the following factors:

- Whether the use of multiple plant items simultaneously is proposed
- The existing level of ambient noise in the receiving environment.
- Whether or not night-works will occur at the location
- Duration of works; e.g. is it likely that a receiver will experience multiple days/ nights of exposure to noise from a site?
- Whether use of high impact plant / activities (piling, pipe jacking, hammering, auger, vibratory roller, other tunnelling equipment, generators, excavation, rattle gun, compaction etc.) are proposed at the site
- Is the separation distance between the works and the nearest receivers less than 200 metres
- Whether or not there is natural shielding between the works and nearest receivers

The aim of the construction noise modelling is to determine whether predicted noise levels will exceed NMLs for site scenarios and the expected level of exceedance. The noise model outputs shall be used to inform of any additional mitigations that should be implemented. Noise mitigations and controls are outlined in the CNVMP based on the findings of noise models. The following noise outcomes were determined for the Construction Compound:

- The Greenaway Street Construction Compound was deemed as a medium noise risk. This is due to its proximity to residential areas. The noise modelling output for the setup and operation of the Greenaway Street Construction Compound can be seen in Figure 5. Whilst the noise modelling for these works is considered to be conservative, noise monitoring is recommended at locations representative of sensitive receivers where noise levels are predicted to exceed the NMLs. These locations are marked as a Red Star on Figure 5. Attended spot checks will be undertaken to determine initial compliance and verification of modelling results at the commencement of works and when specific noisy items of plant are operating.



Figure 5: Greenaway Street Compound Noise Modelling, worst case. All plant and equipment operating simultaneously

4.4.4.2 Noise Monitoring

Based on the results from the noise modelling, noise monitoring will be undertaken during works at locations identified by red star in Figure 5. These locations are to include the closest sensitive residential receptors that will be impacted by the works. Noise monitoring results shall be used to validate the model, inform actions, mitigations and controls as required and results will be provided to NELP for review as requested or required, on a regular basis.

Throughout the duration of the project noise monitoring will be undertaken during the following instances:

- In response to community enquiries: Noise monitoring may be undertaken in response to noise related complaints/enquiries to determine compliance with the construction noise limits as specified in Environment Protection Authority Victoria (EPA) Publication 1254, Noise Control Guidelines.
- Out of hours works and checking against noise modelling set for the project: Where scheduled works are outside of normal construction hours and unavoidable works, noise monitoring will be performed to check against background noise levels or against desktop noise modelling predictions.
- Construction spot checks: Construction spot check will be undertaken sporadically, during both day and night works, using a hand-held noise meter or a tripod setup with a noise meter. The measurement must be a 10-minute LAeq with extraneous noise such as road traffic excluded as best as possible for measurement. The LA90 and LA10 should also be recorded.
- Noise Data Logging: In the event that consecutive night-time works are required overnight continuous noise monitoring will be undertaken using a Data Logger. The data gathered can be analysed and trends established. A suitably qualified consultant will be engaged to perform this task.

4.4.5 Noise Mitigation Measures

Noise modelling did not indicate a high level of exceedance of the site-specific noise management levels. No receptors were located within "Trigger Level" 3 or 4. As a result, noise monitoring is only required in two locations to confirm the modelling results and adjust the adopted mitigation measures in place to minimise the impacts of the works.

As per CNVMP, noise is to be minimised as much as reasonably possible throughout all construction works. As a result, the following noise controls will be implemented where reasonable throughout all compound setup and operations.

- Site inductions – environmental inductions shall include introduction to noise limits and controls, hours of work, locations of sensitive receptors.
- Set site entry and egress points as far from sensitive receptors as practically possible.
- Behavioural practices - toolbox training to encourage the minimisation of noisy behaviour including: shouting or loud radios, no dropping materials from height and slamming of door.
- Selection of plant considers noise impacts and quieter plant is selected (where possible). There are not too many options available to do so for the compound setup and operations as there is not a significant amount of plant to be used. An example of this would be selections of power generators that are silenced.
- Avoid using plant and equipment simultaneously adjacent to sensitive receptors where reasonably practical. The combined noise/vibration levels could be significantly less when sources operate separately.
- Letter drops and or door knocks, where appropriate, to notify receivers of potentially noisy upcoming works, where impacts are expected to be audible, and to discuss proposed mitigation.

Additional noise management controls are available as per CNVMP. The noise modelling suggests that these will not be required for the establishment and operation of the Construction Compound. These additional mitigations will only be used if noise monitoring informs that noise management levels are being exceeded, or if community complaints occur.

4.4.6 Traffic

Specific Traffic Management Plans (TMP) will be developed in accordance with the Transport Management Plan (EPR T2) to address movement of all modes of transport including cycle and pedestrians, around and within the project site compound.

Traffic controllers will be used to assist access to and from the site as required.

Measures to redirect pedestrian and cyclist movements are needed to allow for safe access around the construction work site. The pedestrian and cyclist traffic will be managed via localised detours using both Greenaway Street and Bulleen Road.

4.4.7 Historical Heritage

The Greenaway Street Construction Compound is located on a local government heritage overlay place: HO72 Archaeological site Bulleen Drive-In (fmr). This can be seen on Figure 6.

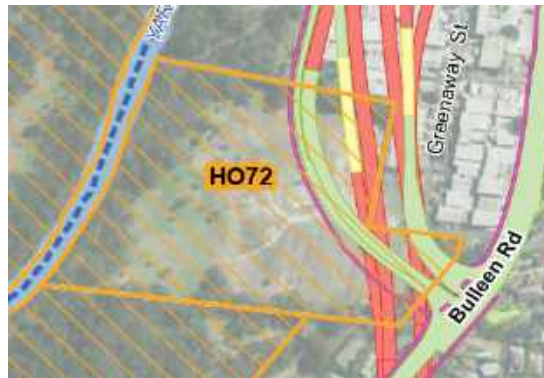


Figure 6: HO72 Archaeological site Bulleen Drive-In (fmr)

The management of Historical Heritage will be undertaken as per the Archaeological Management EPR Plan. The Incorporated Document provides overarching planning approval for all works within the Project Area (as delineated by the Special Control Overlay). As the Heritage Overlay is located within the project boundary, the requirements of the Incorporated Document will apply. A separate permit for works is not required for these works on land under the Heritage Overlay.

However, CPB will ensure that works will minimise impacts on heritage as per the EPRs. There is no Statement of Significance for this site to outline specifically what values the heritage overlay is seeking to protect. The Manningham Planning Scheme outlines the basis for inclusion of this place in the Heritage Overlay is to reflect the Aboriginal archaeological potential of the site and tree controls.

The NEL CHMP will be adhered to in regard to Aboriginal Cultural Heritage. It does not list the area as a Registered Aboriginal Place and as a result does not have any specific management conditions that are needed to be adhered to for this site.

The Manningham Planning Scheme does not outline any specifically listed heritage trees within the former Bulleen Drive-In site. A vegetated riparian corridor of the Yarra River abuts the west and south boundaries of the property. This vegetation consists of regenerating indigenous woodland, with some exotic trees that stem from past agricultural land uses. It is of significance as part of the larger Yarra River and environs, which was identified in the NEL Environmental Effects Statement: Technical Report K as an important landscape feature with overlapping ecological and cultural values. Due to its significance, the "Rear of 49 Greenaway Street, Bulleen" is identified as a 'no go' zone in the Project EES approvals process. No works will be permitted within this area. It is deemed that the requirement to minimise impacts on heritage will be adhered to by the implementation of this no-go zone.

5. Site Demobilisation and Restoration

In general, the following measures will be undertaken to restore the former use of the land:

- Site restoration would be based on the Condition Report completed prior to occupancy of the sites. The Condition Report is to provide a visual assessment of the Construction Compound area highlighting any constructional and cosmetic fabric defects prior to the commencement of CPB construction works. Each report will provide a photographic record of the existing condition to be used for restoration purposes.
- All site demobilisation and restoration works to be undertaken as per relevant EPRs. These include:
 - CL1: In areas used for temporary construction works, contamination attributable to the project must be appropriately remediated in consultation with the relevant land manager. As part of the demobilisation and restoration process, relevant land owners will be consulted to ensure that the project restores the site to its former land use and removes all contamination that was attributable to the works.
 - LV2: Temporary and construction works must be located, designed and carried out in accordance with a Construction Compound Plan to be approved under the Incorporated Document and the Urban Design Strategy guidance on using design to help manage construction impacts. Areas disturbed by temporary and construction works must be reinstated with no objection from the relevant land manager, waterway manager and any relevant public asset owners. CPB will undertake all reasonable endeavors to reach a position of no-objection with the relevant stakeholders.
- All materials used in the establishment of the compound will be removed when the works within the area are completed and the compound is no longer required.
- Options to reuse recycle or dispose of used material will be considered during demobilisation of the compound.
- It is likely that the site demobilisation for the Greenaway Street Construction Compound may include further works to prepare the area for the next stage of the project. If directed by NELP, CPB will undertake these works.

6. Communication Strategy

6.1 Community Consultation

The establishment and operation of the Greenaway Street Construction Compound will have minimal impact on residents. The proposed compound is closest to residents of Avon Street and Ilma Court; however, they will be protected from most impacts by distance and for Avon Street, the barrier of Bulleen Road. Operation of the compound will have minor traffic impacts on the resident of Ilma Court. Residents of both streets will be consulted via letter and in person consultation. Any questions or issues will be discussed and mitigated with impacted residents.

There will be separate online consultation sessions with the businesses in the Bulleen Industrial Precinct. These businesses will be impacted by both the establishment and the operation of Greenaway Street Construction Compound. Previous consultation has included information sessions with NELP and one on one meetings (focusing on acquisition but also discussion in regard to the compound establishment, operation and upcoming works).

As well as letterbox dropping an invitation to the online consultation sessions, a community notification will be delivered to each of the businesses within this industrial precinct to explain the location and function of the site compound. In particular, traffic and parking arrangements will be communicated to the businesses.

Consultation has occurred with Manningham Council through the NEL-EW fortnightly meetings. At these meetings a number of presentations and facilitated consultation sessions have occurred in relation to the establishment and the operation of the construction compounds. Consultation around traffic management proposals associated with the establishment of the compounds has also occurred and is ongoing.

Consultation with VicRoads has also occurred in relation to traffic management planning as well as emergency services and other relevant government agencies through the Traffic Liaison Group meetings.

This level of engagement is consistent with the CCEP and will be detailed in the Community Engagement Action Plans (CEAP) for each work zone. The CEAP will outline the specific stakeholders and residential receptors highlighting how they will be impacted by the works. This will be included in the construction work pack documentation.

6.2 Contact Numbers

Community number: 1800 105 105

6.3 Complaints Management

As per the CCEP, community complaints will be managed as detailed in the table below:

Table 7: Enquiries and complaints

Expectations	How we will meet the Expectations (minimum requirements)	Responsible Person Key Contributor	Deliverables
Procedures are established for effectively dealing with community enquiries and complaints. In adherence to EPR EMF4	CPB Contractors Enquiry and Complaints Procedures In accordance with <i>AS/NZS 10002-2014 Guidelines for complaint management in organisations</i> , and EPR EMF4 the complaint management system ensures guidelines are in place for the effective and consistent handling of complaints related to the operations of our projects. This process is not applicable to disputes referred for resolution under contractual arrangements or for employment-related disputes.	Stakeholder and Community Engagement Manager Stakeholder and Community Engagement team	Procedures delivered and verified in CCEP

Expectations	How we will meet the Expectations (minimum requirements)	Responsible Person Key Contributor	Deliverables
	Resolving complaints at the earliest opportunity in a way that respects and values the person's feedback, can be one of the most important factors in recovering the person's confidence about our organisation and the services we provide. It can also help prevent further escalation of the complaint. A responsive, efficient, effective and fair complaint management system can assist an organisation to achieve this. The system applies to all staff receiving or managing complaints from the public made to or about us, regarding our services, staff and complaint handling.	Functional Manager(s)	
Enquiries and complaints are recorded, acknowledged and resolved in a timely manner as per EPR EMF4.	<p>Project Enquiries and Complaints Consultation Manager will be used as the register for all complaints and enquiries. At a minimum the following information will be recorded:</p> <ul style="list-style-type: none"> ■ Interactions via the project number ■ Interactions via the project email address ■ Interactions received via the project webpage ■ Interactions in person ■ Interactions via all other means. <p>CPB Contractors will</p> <ul style="list-style-type: none"> ■ resolve all complaints, enquiries or contacts where they refer to an issue directly related to the works ■ adhere to the agreed escalation process ■ notify the PM immediately (for a complaint) or within 24 hours (for all other classifications) if the complaint, enquiry or contact cannot be resolved or if not directly relevant to the works. <p>All information Captured will be managed in accordance with privacy policies. Complaints and enquiries will be incorporated into monthly reporting and used to identify current and emerging issues that require action. Outstanding enquiries and issues will be discussed at weekly project team meetings.</p> <p>As per the project scope requirements, all complaints will include:</p> <ol style="list-style-type: none"> (1) names (where provided); (2) contact details (where provided); (3) time and date of enquiry; (4) nature of enquiry; and (5) response provided; <p>The Early Work's team will notify the State within 2 hours of receiving or becoming aware of any:</p> <ol style="list-style-type: none"> (1) significant community and Stakeholder issues related to the Works (including issues that will likely lead to 	<p>Stakeholder and Community Engagement Manager</p> <p>Stakeholder and Community Engagement team</p> <p>Functional Manager(s)</p>	NELP enquiry and complaints procedures adhered to. Monthly report of all enquiries and complaints. Maintain all correspondence in Consultation Manager

Expectations	How we will meet the Expectations (minimum requirements)	Responsible Person Key Contributor	Deliverables
	<p>impacting the project's reputation and safety matters);</p> <p>(2) enquiries that may affect the projects reputation;</p> <p>(3) complaints received, including the information collected on the Consultation Manager Stakeholder Management Database as set out in section 11.6(b), as well as:</p> <p>(A) the location to which the complaint relates; and</p> <p>(B) the method of contact; and</p> <p>(C) comply at all times with the North East Link Privacy Policy and any associated policies and notify the State immediately of any suspected breaches of privacy or Personal Information held by the State or the Managing Contractor.</p>		

7. CPB Contractors Management System

7.1.1 Environmental Management System (EMS)

The CPB EMS for the Early Works is based on the requirements of the CPB Management System and has been specifically tailored to ensure compliance with Early Works additional Environmental requirements. Further detail on the elements below is available in the CEMP, briefly in regards to the CPB EMS;

The CPB Contractors management system is certified to conform to:

- AS/NZS ISO 14001:2016 Environmental management systems – Requirements with guidance for use.

The CPB Management System has been developed and implemented to ensure a consistent approach to project delivery. The management system comprises the following components:

- Policy, Project Management Plan, Procedures and Work Instruction,
- Tools are preformatted documents such as forms and templates that are required to be completed as part of a Procedure.
- Knowledge documents are reference material to provide context, additional information or guidance to a Policy or Procedure.
- Business Applications are the software tools used to manage our business and support our operations.

7.1.2 Improvement

In addition to specifying the day-to-day environmental management of a project, each CCP details activities to be performed to deliver continual improvement in environmental performance.

Continual improvement is achieved through constant measurement and evaluation, audit and review of the effectiveness of this Plan and adjustment and improvement, project environmental outcomes, and CPB Contractors EMS.



Figure 7: Continual Improvement Mechanism

7.1.3 CEMP

A CEMP has been prepared to manage the environmental risks from construction activities related to the North-East Link Early Works Project. All works within this Plan shall be undertaken in accordance with the CEMP

7.1.4 WEMP

A Worksite Environment Management Plan shall be prepared for the construction activities associated with the establishment of the Construction Compound and YEMS Relocation works.

7.1.5 Review of CCP

A CPB internal review of this Plan will be conducted on a six-monthly basis or when specifically directed by the State or when there is a change in compound activities or operations. This is to ensure consistency of the works with the details and management procedures outlined in this Plan.

Appendix A: EPR Compliance

Table 8 shows aspects that are relevant to this Plan, additional EPRs are relevant to the Early Works but these are not listed here unless relevant to this Plan.

Table 8: EPR Compliance - CCP YEMS

EPR Category	EPR	Compliance	Timing, Consultation & Approval
Environmental Management (EMF)	EMF1	CPB maintains an EMS that conforms to the Australian Standard AS/NZS ISO 14001:2016. This Plan will be delivered in accordance with the Environmental Strategy and Management Plans for the Early Works Package	Systems will be maintained throughout the operation of the construction compound Section 7 of this Plan describes CPB's EMS
	EMF2	CPB has prepared Environmental Strategy and Management Plans	Management Plans will be maintained as per EMF throughout the operation of the construction compound (throughout CCP) Section 7 of this Plan describes CPB's EMS
	EMF3	CPB has appointed an Independent Environmental Audit (IEA)	IEA will be retained throughout CCP
	EMF4	CPB operates a complaints management system consistent with AS/NZS 10002:2014 and this system shall be implemented for this Plan and the Early Works Package	Systems will be maintained throughout CCP Section 6 of this Plan describes CPB's Communication Strategy
Aboriginal Heritage (AH)	AH1	All works shall be managed in accordance with the approved Cultural Heritage Management Plan (CHMP 15576). CPB shall comply with the CHMP requirements and in consultation with the Registered Aboriginal Party and Aboriginal Victoria	Compliance throughout CCP AH aspects will be covered within CEMP and WEMPs Relevant personnel (breaking ground) must complete a cultural heritage induction undertaken by the Registered Aboriginal Party (Wurundjeri) before starting works. Registered Aboriginal Party conduct audits and inspections where relevant – not required for this Compound

EPR Category	EPR	Compliance	Timing, Consultation & Approval
Dust and Air quality (AQ)	AQ1	All works shall be managed in accordance with the Dust and Air Quality Management and Monitoring Plan	Compliance throughout CCP AQ aspects will be covered within EPR Plans and and WEMPs EPA consultation for relevant aspects Site inductions cover this aspect Site environmental inspections for CCP
	AQ6	Incentives to be provided for contractors and subcontractors through the Invitation to Tender (ITT) process to preferentially select on-road heavy vehicles for haulage that comply at a minimum with the Euro V European emission standards.	The incentives will be devised to seek to increase the proportion of on-road heavy vehicles that comply at a minimum with Euro V European emission standards within the project's construction haulage fleet over the construction life of the project.
	AQ2-5	Not applicable to this Plan's scope	-
Arboriculture (AR)	AR1	Trees that are flagged for removal are found in Appendix B – Tree Impact Plan. The WEMP to feature a detailed arborist assessment that will be undertaken prior to works commencing to determine the exact extent of tree impacts due to the haulage routes. The aim of this assessment will be to avoid trees that are flagged for removal in Appendix B. Tree Removal Plan and Tree Protection Plan to outline the high-level management procedures that the project will employ in relation to tree management.	Compliance throughout CCP High level AR management procedures to be outlined in Tree Removal and Tree Protection Plans. CCP Tree Impact Plan to highlight estimated tree removal due to compound establishment. The WEMP to feature specific tree removal and tree protection zones for the compound removal. Site inductions and training cover this aspect Site environmental inspections for CCP Tree removal approved by DEWLP prior
	AR2	Trees or vegetation shall be managed in accordance with the Tree Protection Plan	As above TPZ will be installed in accordance with AS 4970-2009 Protection of trees under advice of site arborist
	AR3	Not applicable to this Plan's scope	-

EPR Category	EPR	Compliance	Timing, Consultation & Approval
Business (B)	B5	Minimisation and rectification of damage or impacts on third party property and infrastructure to occur in coherence to the Ground Movement Management Plan.	In general, all properties facing the works will get a pre-condition survey. This will be conducted for the properties that are directly facing the construction compounds.
	B3, B4, B6	To minimise access and amenity impacts on businesses impacted by the YEMS Construction Compound; Bulleen Industrial Precinct.	A community notification will be delivered to each of the businesses within the Bulleen Industrial Precinct. This is to explain the location and function of the site compound. In particular, traffic and parking arrangements will be communicated to the businesses.
	B7	Protect or, where required, relocate utility assets to the reasonable satisfaction of the service provider and/or asset owners.	Relocation of utility assets to not occur as part of the setup or operation of construction compound. Existing assets will be protected in accordance with utility asset owner requirements.
	B1, B2, B8	Attending business liaison groups (B8) Providing information for the business disruption mitigation plan (B1) or business relocation strategy (B2)	CPB to input (support NELP) where required for these EPRs. This may be in the form of attending Business liaison groups and providing information for the business disruption mitigation plan or business relocation strategy.
Contamination and Soil (CL)	CL1-CL4	All spoil shall be managed in accordance with the Spoil Management Plan (CL1).	Worksite Environmental Management Plan to detail location of stockpiles, overview of spoil categorisation and management of different spoil types.
	CL5	Manage chemicals, fuels and hazardous materials	Compliance throughout CCP Hazardous materials aspects covered in CEMP Sub-plan (CL5) and WEMP Site inductions and training cover this aspect Site environmental inspections for CCP

EPR Category	EPR	Compliance	Timing, Consultation & Approval
	CL6	Not applicable to Early Works (operational EPR).	-
Flora and Fauna (FF)	FF1, FF3	Will be achieved through implementation of the Flora and Fauna Sub-plan of the CEMP and the controls listed within	Compliance throughout CCP FF aspects will be covered within CEMP Sub-plan and WEMPs Site inductions and training cover this aspect Site environmental inspections for CCP Ecology assessment prior to works commencement
	FF2	Where possible the removal of native vegetation and fauna habitat shall be minimised through the siting and design of the construction compounds. There are two no-go-zones included in proximity to the construction compounds: <ul style="list-style-type: none"> ■ The Bolin Bolin Billabong, no works are to be in this area ■ Trees at the rear of 49 Greenaway Street. Fencing to be installed to ensure that construction compound activities do not impact on this area. 	Ecological assessment to be undertaken prior to compound works, Section 4.4.1 to outline the procedure in regard to minimising impacts on native vegetation and fauna habitat. Map of no-go zone locations shown in Appendix D.
	FF5	Where species protected under the Environment Protection and Biodiversity Conservation Act 1999 or Flora and Fauna Guarantee Act 1988 are potentially impacted the relevant approvals or translocation plans must be in place	Ecology assessment prior to works commencement, FFG Permit obtained by CPB where required
	FF4, FF9	Ecologist shall assess this location for flora and fauna values.	As above plus consultation through Melbourne Water process Ecology assessment prior to works commencement, FFG Permit obtained by CPB where required

EPR Category	EPR	Compliance	Timing, Consultation & Approval
	FF6	Groundwater Dependent Ecosystems will not be impacted upon by compound works. Only shallow excavations will be required for compound placement.	-
	FF7, FF10	No Matted Flax-lily or Studley Park Gums located within the area of this Plan	-
Groundwater (GW)	GW1, GW3, GW5	Not applicable during CCP works as there are no excavations that will encroach on groundwater. Only shallow excavations will be required for the levelling of ground for hardstand and haul road construction.	-
	GW2, GW4	Not applicable during CCP works as there are no excavations that will encroach on groundwater. Only shallow excavations will be required for the levelling of ground for hardstand and haul road construction.	-
Ground movement (GM)	GM1	Not applicable to CCP works – see below	-
	GM2, GM3, GM4	Ground movement is attributed to settlement due to large excavation depths. The construction compound establishment will have shallow excavations that are compacted to ensure a stable hardstand for the site buildings. No ground movement as a result of settlement is expected to occur.	-

EPR Category	EPR	Compliance	Timing, Consultation & Approval
Historical Heritage (HH)	HH1	Minimisation of impacts on Heritage has been undertaken as part of the design process.	<p>The establishment of the Construction Compound has been undertaken to minimise impacts on Heritage.</p> <p>The Manningham Planning Scheme highlights the basis for inclusion of this place in the Heritage Overlay is to reflect the Aboriginal archaeological potential of the site and tree controls.</p> <p>The NEL CHMP does not list this area as a Registered Aboriginal Place and as a result does not have any specific management conditions that are needed to be adhered to for this site.</p> <p>Tree "Rear of 49 Greenaway Street, Bulleen" is identified as a 'no go' zone in the Project EES approvals process. No works will be permitted within this area.</p>
	HH2	Archaeological Management Plan to be implemented. Works within the Greenaway Street Construction Compound are to be in accordance.	The management of Historical Heritage is to be undertaken as per Archaeological Management EPR Plan.
	HH3 HH4 HH5	<p>The Greenaway Street Construction Compound will be located on local council heritage overlay: HO72</p> <p>Archaeological site Bulleen Drive-In (fmr)</p> <p>Historic trees were assessed as part of the EES as there is no Statement of Significance for this Heritage Overlay Place. The EES identified that the trees of significance were to the rear of the property.</p>	<p>The condition of this site will be monitored through a pre-construction and post-construction assessment survey. This will be undertaken prior to Construction Compound establishment.</p> <p>The survey will be undertaken in accordance with archival photographic recording requirements as per the Archaeological Management Plan.</p> <p>EMF no-go-zone "Rear of 49 Greenaway Street, Bulleen" as per Appendix D will be followed. This will ensure no impact to any significant, native trees.</p>
	LP1	The location of the compound has been selected to minimise the impact to residents and to allow works to be undertaken in the adjacent locations.	The impacts to residents have been minimised in terms of reducing the site footprint and avoiding use of land that is sensitive to public amenity.

EPR Category	EPR	Compliance	Timing, Consultation & Approval
Land Use Planning (LP)	LP2 – LP5	Not applicable to CCP works as these relate to permanent (Primary Package) works	-
Landscape and Visual (LV)	LV1	Not applicable to CCP works, relates to permanent above-ground buildings or structures	-
	LV2, LV3	The temporary and construction works shall be located, designed and carried out in accordance with this Plan. The UDS guidance will inform and manage construction impacts.	Perimeter fencing with hoarding will screen visual impact The construction compound at Greenaway Street is situated in the Bulleen Industrial Precinct so it will not impact adversely on any landscape and visual amenity.
	LV4	Not applicable to CCP works, operation only	-
Noise and Vibration (NV)	NV3	All works will be carried out to minimise construction noise impacts to sensitive uses (residences)	All works shall meet noise limits within NV3 Only unavoidable works shall be undertaken at night
	NV4	All noise aspects shall be managed in accordance with the CNVMP	Compliance throughout CCP Community engagement as per CCEP NV aspects covered in EPR Plans, CEMP and WEMPs EPA consultation for relevant aspects CNVMP shall be applicable to this Plan Noise modelling to inform the anticipated controls required to adhere to the noise management levels as per CNVMP. Mitigations as per CNVMP during CCP (including monitoring) Site inductions and training cover this aspect Site environmental inspections for CCP

EPR Category	EPR	Compliance	Timing, Consultation & Approval
	NV1, NV2, NV5 – NV7, NV11 – NV16	Not applicable during Early Works or CCP works	-
Social and Community (SC)	SC1, SC3, SC4	The requirement to develop and implement a Communications and Community Engagement Plan will ensure SC1 and SC4 is appropriately managed in accordance to the EPRs	Compliance throughout CCP SC aspects will be covered within CEMP and WEMPs Site environmental inspections for CCP
	SC2, SC5	Responsibility of NELP. CPB to provide input where required. As per SC2, minimising the extent of construction compound land occupation is to be achieved by CPB with NELPs assistance.	Greenaway Street Construction Compound is to be occupied for the entire YEMS work scope.
	SC6, SC7, SC8	Not applicable to CCP works.	
Surface Water (SW)	SW1, SW3, SW5	Discharge is not anticipated during the works within this Plan.	Compliance throughout Early Works and to a lesser extent CCP SW aspects will be covered within CEMP and WEMPs Site environmental inspections for CCP
	SW6, SW7	These EPRs relate to flood risk. Due to close proximity of the compounds to the Yarra River. Both compounds are located within the 1 in 100-year ARI floodplain. Specifically, for this Plan, adverse impacts to flood levels, flows and velocities must be minimised, flood modelling shall be used support compliance to this EPR	Compliance throughout CCP The risk from changes to flood levels, flows and velocities is managed through the Melbourne Water approval for works in waterways process and flood modelling NELP EES flood modelling, existing Melbourne Water and VicMap flood mapping layers have been used to inform flood risk for the two construction compounds. A Flood Emergency Management Plan has been developed. This plan will ensure that the personnel associated with the

EPR Category	EPR	Compliance	Timing, Consultation & Approval
			compound understand the risks, controls and response in terms of flooding risk.
	SW4, SW8 – SW10	Not applicable to CCP works	-
	SW2, SW11, SW12, SW14, SW15	Not applicable to Early Works or CCP works	-
Sustainability and Climate Change (SCC)	SCC1, SCC4, SCC5	A Sustainability Management Plan will be prepared in accordance with SCC1 and will provide management procedure to comply with SCC4 and SCC5	Compliance throughout CCP The construction compound has an opportunity to undertake sustainable initiatives such as integration of renewable energy, adherence to Wfs-5 Site Compounds in IS version 2.0, and water retention to contribute to the Project's sustainability objectives
	SCC2	Greenhouse Gas emissions will be minimised through connecting the Construction Compound to electrical mains and purchasing green power rather than using generators. If generators are proposed, hybrid generators are preferred.	Green power or hybrid generators to be used for the site compounds.
	SCC3	Not applicable to Early Works or CCP works	-

EPR Category	EPR	Compliance	Timing, Consultation & Approval
Traffic and Transport (T)	T2	Traffic shall be managed in accordance with the Transport Management Plan	Compliance throughout CCP Consultation with Department of Transport and Councils Transport aspects will be covered within TMP and WEMPs Site environmental inspections for CCP
	T1, T3, T4, T5	Not applicable to CCP works	-

Appendix B: Tree Impact Plan



No-go-zone
Trees bordering the
Yarra River at the
Former Drive-In site

New Carpark

Site Compound

Note: Tree impacts outlined within this plan do not constitute the IEA verified and NELP accepted Tree Protection Plan, Tree Removal Plan or YEMS WEMP.

This plan is to highlight indicative tree removal and protection as a result of the compound establishment

The YEMS WEMP to be consulted for the arborist report that outlines definitive details and controls associated with tree removal and protection.

- Legend
- Existing Tree
 - Existing Tree flagged to be removed for compound setup
 - Construction Sewer Alignment
 - MH16A Construction Area
 - Option 1: Access to MH16A existing driveway
 - Trees to be removed for Option 1
 - Option 2: Access to MH16A new haul road constructed
 - Trees to be removed for Option 2
 - Tree Protection Zone

Issue	Description	Date	Approved
A	FOR INFORMATION		

Scale 1: 2,000

102 0 50.8 102Meters

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THIS MAP IS NOT TO BE USED FOR NAVIGATION			
Image courtesy of DELWP			

Status	GIS OUTPUT NOT TO BE USED FOR CONSTRUCTION		
Original Size	A3	Drawn	
Coordinate System	MGA55	Designed	
Height Datum	AHD	Date Printed	6-Apr-2020



YEMS Compound Tree Impact Plan

Trees requiring removal for construction activities are not included within this plan

Appendix C: Flood Modelling



- Legend
- Flood_Extent_100yr_UG_Drains_SHP_areas
 - Flood_Extent_100yr_Waterways_SHP_areas
 - NELP Approved Project Boundary Tunnel
 - Approved Specific Controls Overlay
 - Rail Station
 - Road Labels (1:2,500 - 1:12,000)
 - Railway

Issue	Description	Date	Approved
A	FOR INFORMATION		

Scale 1: 4,000

203

0

101.6

203Meters

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Status	GIS OUTPUT NOT TO BE USED FOR CONSTRUCTION		
Original Size	A3	Drawn	
Coordinate System	MGA55	Designed	
Height Datum	AHD	Date Printed	15-Mar-2020



CPB Contractors

Appendix C

Melbourne Water flood data

Greenaway Street Construction Compound Area

Planning Map



Planning Scheme Overlays

Land Management

LSIO - Land Subject to Inundation Overlay

SBO - Special Building Overlay

Planning Scheme Zones

Residential Zones

RGZ - Residential Growth Zone

NRZ - Neighbourhood Residential Zone

GRZ - General Residential Zone

Industrial Zones

IN1Z - Industrial 1 Zone

Commercial Zones

C1Z - Commercial 1 Zone

Public Land Zones

PUZ1 - Public Use Zone-Service and Utility

PUZ2 - Public Use Zone-Education

PUZ6 - Public Use Zone-Local Government

PPRZ - Public Park and Recreation Zone

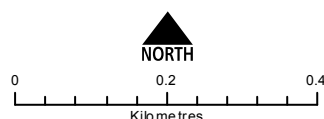
PCRZ - Public Conservation and Resource Zone

RDZ1 - Road Zone-Category 1

Special Purpose Zones

SUZ - Special Use Zone

UFZ - Urban Floodway Zone



Map Projection: GDA 1994 VICGRID94
Print Date: 20/04/2020



Disclaimer

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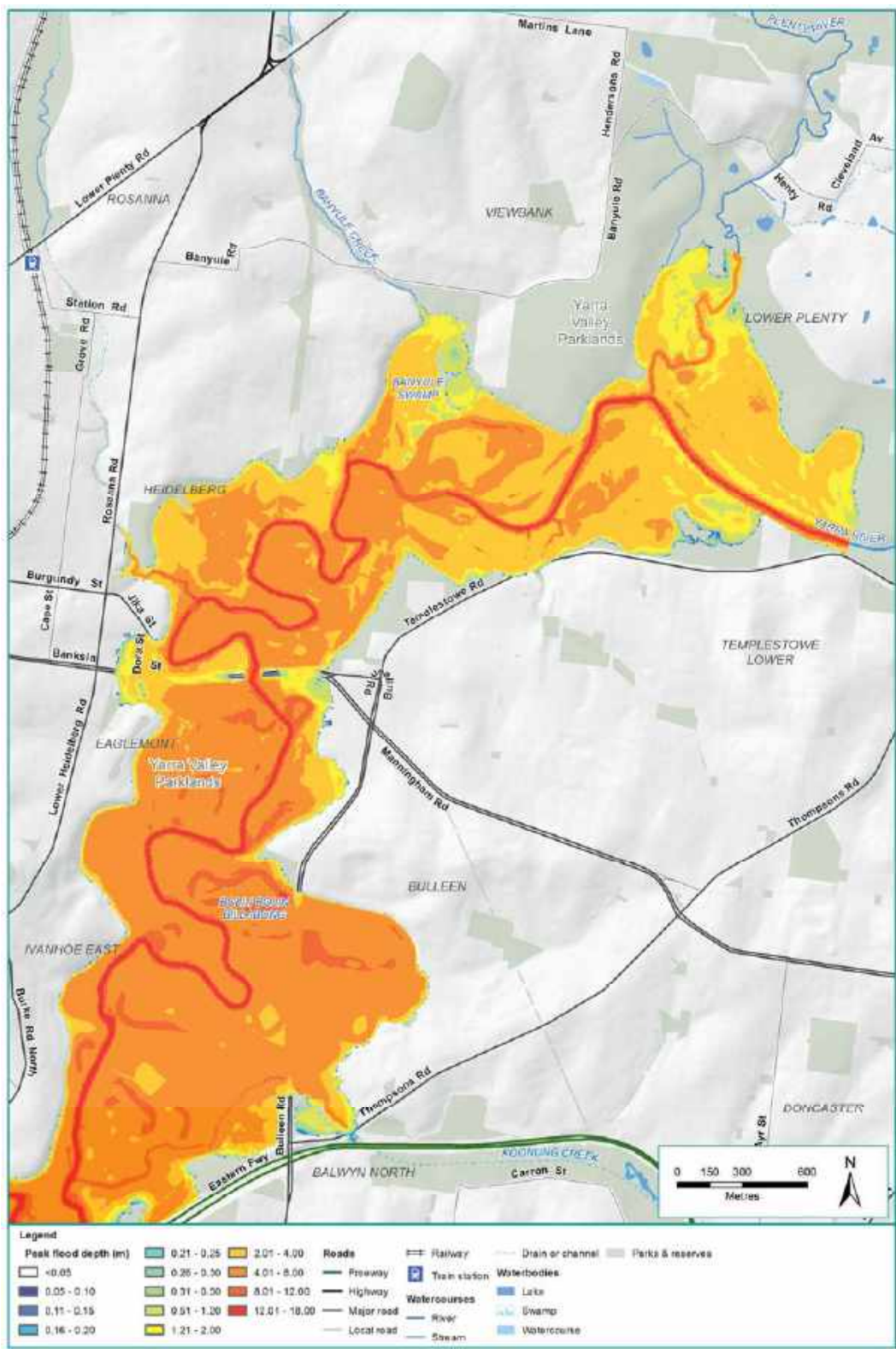


Figure 24-6 Modelled flooding (1% AEP peak depth) around the Yarra River (1 of 3)

Appendix D: Project No-Go Zones



Figure 8 : Areas of no-go-zones for the Project, in accordance with Condition 4.5.3(b) of the Incorporated Document

Appendix E: IEA Verification

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**NELEW IEA Review and
Verification Audit:
Construction Compound
Plan (CCP) Primary Zone:
YEMS Scope Site
Compound – Greenaway
Street, Bulleen**

19 June 2020

—
**NELP and CPB Contractors
Pty Ltd**

**VERIFICATION
STATEMENT AND
REVIEW REPORT**

Certified



Corporation

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Document title

NELEW IEA Review and Verification Audit:
Construction Compound Plan (CCP) Primary Zone:
YEMS Scope Site Compound – Greenaway Street,
Bulleen

Version

1.0

Date

June 2020

Prepared by

Approved by

File name

NP18124 NELEW IEA Verification Statement and
Review Report – CCP YEMS Greenaway St –
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NELEW IEA Review and Verification Audit: Construction Compound Plan (CCP) Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen



1. Introduction

Nation Partners Pty Ltd (Nation Partners) is the Independent Environmental Auditor (IEA) for the North East Link (NEL) Early Works (EW), pursuant to the Environmental Management Framework (EMF) approved by the Minister for Planning, working with the North East Link Project (NELP) and the Managing Contractor for the NEL EW, CPB Contractors Pty Limited (CPB).

This IEA Verification Statement and Review Report is associated with the Review and Verification Audit of CPB's Construction Compound Plan (CCP) Primary Zone: YEMS Scope Site Compound – Greenaway St, Bulleen, and provides the:

- Verification Statement;
- Scope and approach used by the IEA in undertaking its review of the environmental management document; and,
- IEA review findings.

It should be noted that the CCP Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen was formerly known as the CCP Primary Zone: YEMS Scope Site Compound up to, and including, Revision F of the document. Revision G onwards of the document has been revised such that it addresses the Greenaway Street Construction Compound only (refer to Table 3.1 for further details of revisions subject to the IEA Review and Verification Audit), which is the subject of this IEA Verification Statement and Review Report.

2. Verification Statement

Nation Partners Pty Ltd, in its capacity as Independent Environmental Auditor (IEA) for the North East Link (NEL) Early Works (EW) pursuant to the Environmental Management Framework (EMF) approved by the Minister for Planning, verifies that CPB Contractors Pty Ltd's (CPB) Construction Compound Plan (CCP) Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen (Document #: NEL-EW-CPB-1990-EPA-PLN-0003; Revision: H; Dated: 19/06/2020) complies with the Project contract including the EMF and Environmental Performance Requirements (EPRs), conditions of Project approvals, and is in general accordance with the approved Urban Design Strategy (as applicable to the verified document).

CPB has advised the IEA that there are no Victorian Heritage Register listed trees that are to be impacted by the project with respect to the YEMS Scope Site Compound – Greenaway Street, Bulleen and consequently EPR HH5 does not apply.

3. Review Scope and Approach

Review of the CCP Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen considered applicable Project contract requirements associated with the following:

- North East Link Project Incorporated Document (December 2019);
- Environmental Management Framework (EMF);
- Environmental Performance Requirements (EPRs), Version 6; and,
- Project contract (Project Scope and Requirements (PSR), August 2019).

The approach undertaken for the Review and Verification Audit of the CCP Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen comprised:

- First version of the document submitted to the IEA:
 - Review of the document considering whether those Project contract requirements addressed in the document had been addressed adequately, including taking into account technical adequacy and effectiveness of actions proposed to comply with the EMF and EPRs; and,
 - Undertake a cross-check of the document against the Project contract requirements to identify conditions that had: either not been addressed; or were not considered to have been adequately addressed within the document.
- Subsequent versions of the document submitted to the IEA:
 - Review of the document considering whether findings/comments from the previous IEA review and Project contract requirements had been addressed adequately in the latest version of the document, including taking into account technical adequacy and effectiveness of actions proposed to comply with the EMF and EPRs.
 - Review of Revision G (onwards) of the document to confirm that the content of the document with respect to the Greenaway Street Construction Compound remains materially unchanged from the Greenaway Street Construction Compound content presented within Revision F of the document, which was previously subject to IEA verification, and to consider whether any new content adequately addresses Project contract requirements.
- Findings arising from review of each revision of the document were represented as comments provided directly onto the PDF copy of the document (refer to Section 4 and Appendix A).
- Findings/comments arising from review of each revision of the document were subsequently returned to CPB to be addressed accordingly. The IEA's findings/comments were transcribed into a 'comments and response' spreadsheet by CPB.
- Provision of this report, including the Verification Statement, once the findings/comments were considered by the IEA to have been adequately addressed by CPB.

Details of the CCP Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen (formerly known as the CCP Primary Zone: YEMS Scope Site Compound up to and including Revision F) revisions subject to the Review and Verification Audit are provided in Table 3.1.

**Table 3.1: CCP Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen
revisions subject to IEA Review and Verification Audit**

Revision	Remarks/scope of document	Date submitted by CPB to IEA	Date IEA review findings/ comments provided to CPB	Date verified by IEA
B	Initial document submitted to IEA. This document comprised the CCP Primary Zone: YEMS Scope Site Compound and covered two construction compounds located at: <ul style="list-style-type: none"> Greenaway Street, Bulleen; and, Trinity Grammar Sports Complex. 	21/04/20	28/04/20	Not verified
D	Revised following IEA findings/comments on Rev B	27/05/20	03/06/20	Not verified
E	Revised following IEA findings/comments on Rev D	09/06/20	11/06/20	Not verified
F	Revised following IEA findings/comments on Rev E	12/06/20	16/06/20	16/06/20
G	Revised to cover the YEMS Scope Site Compound located at Greenaway Street, Bulleen only. The CCP Primary Zone: YEMS Scope Site Compound consequently became superseded and redundant.	18/06/20	18/06/20	Not verified
H	Revised following IEA findings/comments on Rev G	19/06/20	19/06/20	19/06/20

4. IEA Review Findings

Findings/comments on Revisions B, D, and E of the CCP Primary Zone: YEMS Scope Site Compound, which included the Greenaway Street Construction Compound, and on Revision G of the CCP Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen were made directly onto the PDF copy of the document and transcribed into a 'comments and response' spreadsheet by CPB (refer to Appendix A for IEA Review and Verification Audit findings/comments).

Findings/comments associated with the Greenaway Street Construction Compound provided by the IEA on Revisions B, D and E of the CCP Primary Zone: YEMS Scope Site Compound had been resolved by CPB to the satisfaction of the IEA in the initial verified version, Revision F. Subsequently, findings/comments associated with Revision G of the CCP Primary Zone: YEMS Scope Site Compound – Greenaway Street, Bulleen had been resolved by CPB to the satisfaction of the IEA in Revision H.

CPB advised the IEA that there are no Victorian Heritage Register listed trees that are to be impacted by the project with respect to the YEMS Scope Site Compound – Greenaway Street, Bulleen and consequently EPR HH5 does not apply.



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