Manningham Construction Compound Plan (CCP)

Site Amenities & Temporary Works required to facilitate the Manningham and Bulleen SEM Tunnel Site Works

SEM Compound

North East Link – Primary Package

Document Number:	NEL-CNT-SDC-2990-EPA-PLN-0007
Revision date:	27/10/2022
Revision:	01

OFFICIAL

Document Approval

Details of Revision Amendments

Document Control

The Construction Environmental Representative is responsible for ensuring that this plan is reviewed and approved. The Construction Environmental Representative is responsible for updating this plan to reflect changes to construction, legal and other requirements, as required.

Amendments

Any revisions or amendments must be approved by the Project Manager and/or client before being distributed / implemented

Revision Control

Revision	Details	Date
A	Issued to PCo for Review	23/02/2022
B	Issued to NELP for Review after consultation and engagement period	06/04/2022
B.02	Issued to DEWLP for Draft review following NELP comment close	20/4/2022
C	Issued to IREA for Certification (NELP and DEWLP Comments Closed)	25/5/2022
D	Further IREA comments closed Issued for Certification	22/06/2022
E	Further IREA comments closed Issued for Certification	07/07/2022
F	Issued for Review	21/09/2022
G	Issued for Review – close out of IREA comments	05/10/2022
0	Issued For Use following IREA Verification and NELP Approval	18/10/2022
0.01	Issued for Review following DELWP RFI	20/10/2022
01	Issued for Approval	27/10/2022

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Definitions and Abbreviations

Term/Abbreviation	Definition
Annual Exceedance Probability (AEP)	Defines the likelihood of a flood occurring in any given year. The most used definition in planning is the '1 in 100-year flood'. This refers to a flood level that has a one in a hundred, or 1%, chance of being equalled or exceeded in any year (1% AEP = 100-year average recurrence interval).
ATF	As Trustee For
Business	Commercial activity in which the aim is to make a profit.
CCEP	Communication and Community Engagement Plan
CCP	Construction Compound Plan
CH	Cultural Heritage
Condition Report	A report completed prior to occupancy which involves a visual assessment of the Construction Compound area highlighting any constructional and cosmetic fabric defects. As agreed with Spark and NELP, the Condition Report must be completed and agreed with Council prior to sign off by all parties.
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.
Community Facilities	Refers to recreational, social, or educational spaces (for example schools, sports ovals, or local halls) available for use by the local community.
Construction Compound	Long term compound, 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 Primary Package
CNVMP	Construction Noise and Vibration Management Plan
Decibel (dB)	A logarithmic scale is used to describe the level of sound, referenced to a standard level. It is widely accepted that a 3dB change in traffic noise levels (of the same character) is barely, if at all detectable, whereas a change of 5 dB is clearly noticeable. A 10 dB increase is typically considered to sound twice as loud (noting a change of -10 dB would typically sound half as loud).
DELWP	Department of Environment, Land, Water & Planning
D&C	Design and Construction
D&C Contractor	Joint venture between the entities, Webuild S.p.A, GS Engineering & Construction Australia Pty Ltd, CPB Contractors Pty Ltd and China Construction Oceania Pty Ltd
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 Primary Package under the Environment Effects Act 1978.
Environmental Management Framework (EMF)	The EMF is to provide a transparent framework to manage the environmental effects of the Project 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)

Term/Abbreviation	Definition
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.
EMS	Environmental Management System
EPA	Environment Protection Authority Victoria
FFG	Flora and Fauna Guarantee Act 1998 (Vic)
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 (IEA)	The independent party appointed by the Victorian Government to undertake environmental reviews and environmental audits of project activities including assessing compliance with the EMF. The Independent Environmental Auditor is a component of the Independent Reviewer and Environmental Auditor role.
Independent Reviewer and Environmental Auditor (IREA)	The Independent Reviewer and Environmental Auditor is appointed by the Victorian Government to perform two roles: review and environmental audit. The review role involves independent review of project activities including design reports, construction packages, and design and construction management. The Independent Environmental Auditor role is described above.
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.
M&E	Mechanical and Electrical
MWC	Melbourne Water Corporation
NEL	North East Link
NELP	North East Link Project
NML	Noise Management Level
Open Space	Land that provides outdoor recreation, leisure and/or environmental benefits and/or visual amenity.
PP	Primary Package
PPP	Public Private Partnership
Primary Package	Design, financing, construction, and commissioning of the Works, including 6.5km twin three or four-lane tunnels, with interchanges at Manningham and Lower Plenty Roads and upgrades to Greensborough and Bulleen Roads.
Project Co	Spark North East Link Pty Limited as trustee of the Spark North East Link Trust
PSA	Planning Scheme Amendment
Project or North East Link	The North East Link project approved under the Incorporated Document.
Project boundary	The project boundary encompasses the area within which the project will be developed and is the area that is referenced in the Incorporated Document.
RAP	Registered Aboriginal Party
Reserve	Land reserved for community or public purposes.

Term/Abbreviation	Definition
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.
Stakeholders	Stakeholders as specifically identified under Clause 4.5.5 (b-c) of the Incorporated Document. Also defined by person or group affected by or concerned with an issue.
SEM	Sequential Excavation Mining
SEP	Site Environmental Plan
Sensitive Receptors	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 because of the Project. Sensitive receptors do not include public open space or places of work.
Shared use path	A shared use path (SUP) is a path that may be used by walkers and cyclists. For the Project shared use paths have been designed to be not less than three meters wide.
Spark	Consortium selected to deliver the primary package on the North East Link (NEL)
TBM	Tunnel Boring Machine
TIA	Traffic Impact Assessment
TPZ	Tree Protection Zone
UDS	Urban Design Strategy
UDLP	Urban Design Landscape Plan
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 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 and the definition of unavoidable works.
WEMP	Worksite Environmental Management Plan
WHS	Work Health and Safety
YVW	Yarra Valley Water

1 Project Overview

1.1 Purpose and Scope

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 Sequential Excavation Mining (SEM) Compound for the Manningham Construction Site, which forms part of Stage 1.

A Construction Compound is a long-term compound comprising buildings for office, crib meals, ablutions and washing facilities located within a fixed boundary. The Construction Compound is established and operated in accordance with the approved CCP, and relevant Environmental Performance Requirements (EPRs) included in the approved Environmental Management Framework (EMF). It is not a Construction Site but supports construction activities.

A Construction Site comprises of short-term construction work areas or construction ancillary facilities such as but not limited to, temporary storage/laydown areas, bentonite plants and water treatment plants.

This approach to delineate Construction Compound and Construction Sites is consistent with previous CCPs approved for the Early Works Package of the North East Link (NEL) Project.

This plan describes the proposed activities, hours of operation and potential environmental and community impacts of the Manningham Compound. This includes mitigation and management controls associated with the construction and operation of the proposed Compound that will support site establishment and ongoing construction as part of the Primary Package of the NEL.

1.2 North East Link Primary Package Overview

Spark North East Link Pty Limited as trustee of the Spark North East Link Trust (Project Co) has been contracted by the Minister for Transport Infrastructure for and on behalf of the Crown in right of the State of Victoria and the North East Link State Tolling Corporation (together the State) to deliver the Primary Package under a Project Deed dated 27th October 2021 (Project Deed).

The aim of the North East Link Project is to complete the missing link in Melbourne's orbital freeway between an upgraded Eastern Freeway and the M80 Ring Road.

The Design & Construction (D&C) Contractor has been contracted by Project Co to complete the missing link in Melbourne's orbital freeway between an upgraded Eastern Freeway and the M80 Ring Road. The D&C Contractor Project Co is responsible for delivering the Primary Package under a public–private partnership (PPP) framework encompassing:

- Design, financing, construction, and commissioning of the Works, including 6.5km twin three or four-lane tunnels, with interchanges at Manningham and Lower Plenty Roads and upgrades to Greensborough and Bulleen Roads, as well as the Secondary Package (SP) Intelligent Transport System (ITS) Works.
- Development of the SP Interface Zones Preliminary Design.
- Undertaking the Services for the Primary Package and the Extended Operational Activities for the Extended Operational Area.

The Secondary Packages will be designed and constructed by other parties.

Project Co has subcontracted the Development Activities (as defined in the Project Deed) to the unincorporated joint venture, comprising Webuild S.p.A, GS Engineering & Construction Australia Pty Ltd, CPB Contractors Pty Ltd and China Construction Oceania Pty Ltd (D&C Contractor) under the D&C Contract between Project Co and the D&C Contractor dated 27 October 2021 (D&C Contract).

The Primary Package has been split into multiple construction sites: Northern Construction Area, Manningham Construction Area, and Southern Construction Area.

Locations of the current proposed compounds that will support the construction activities for the NEL Primary Package are listed in Table 1. Separate CCPs will be prepared covering these Construction Compound as indicated in Table 1. The planned period of occupation of the Manningham Construction Compound are provided in Table 2.

Table 1: Construction Compound Plans - Primary Package

Construction Site	Construction Compound Plans	Construction Activity Supported
Manningham	▪ Mobilisation Compound (YEMS Early Works Compound) ▪ Structural/ M&E Compound ▪ **SEM Compound – This Plan**	Comprises the Manningham cut and cover structures, the SEM Tunnel site installations and the operations and maintenance building.
Northern	▪ Mobilisation Compound ▪ Structures Compound	Comprises the Lower Plenty cut and cover structures.
	▪ Civil and Roads Compound ▪ TBM Compound ▪ Vent Office Compound ▪ Winsor Reserve Compound	Comprises the Watsonia trench and TBM launch structures and site installations, and the ventilation building in front of Simpson Barracks. Loading of TBM spoil for offsite disposal.
Southern	▪ Civil/ Structural/ Roads Compound ▪ Cut and Cover Compound (including car park)	Comprises the Bulleen cut and cover structure, including the land bridge and the southern ventilation building.

Two individual CCPs have been developed for compounds in the Manningham Area. While the compounds are located within close proximity to each other the requirement for 2 compounds is based upon:

- Each compound supports construction activities different to the others
  - Structures and M&E Compound supports civil structural works, Tunnelling fit out works and associated building works
  - SEM Compound Supports Sequential excavation method (SEM) of tunnelling followed
- Each compound requires supervisory and engineering staff located immediately adjacent to the works to directly manage all aspects of the works including WHS requirements
- Surface workers and subsurface workers are always segregated in their on-site facilitates due to the difference in nature of their works and the significant controls to strictly manage underground employees
- SEM support compound (Vent Office) is further separated due to the nature of the plant and machinery directly supported by the compound and to remove unnecessary interaction of personnel and plant as required by WHS legislation

The compounds cannot be consolidated into a single compound as:

- No available compound site is of sufficient size to support the gross white collar supervisory and blue-collar workforce numbers in any single location.
- The differing WHS requirements of each compounds supported construction activities.
- The differing operational requirements of each compound.
- The compounds are mobilised and demobilised at different times to suit project finishing works.

Table 2: Indicative Timeframes

Compound Milestones	Timing
Mobilisation activities commencing	Q4 2022
Occupation of the compound	Q4 2022
Demobilisation & Restoration	Q4 2026

2 NEL Approvals

2.1 Primary Approvals and Incorporated Document Requirements

NELP has obtained the Primary Approvals for the North East Link, which apply to the Primary Package. These approvals include:

- Planning approval under the Planning and Environment Act 1987;
- Cultural Heritage Management Plan (No. 15576) approved under the Aboriginal Heritage Act 2006;
- Approval for works on Commonwealth land under the Environment Protection and Biodiversity Conservation Act (Cth) 1999; and
- Development Licence authorising the development and installation of the road tunnel ventilation systems for the NEL Project under the Environment Protection Act 2017.

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.

This Plan is prepared in accordance with the Incorporated Document and its preparation is informed by other relevant project approvals including the approved Environmental Management Framework (EMF) with Environmental Performance Requirements (EPRs).

Figure 1, below, illustrates the planning and environment approvals context for this plan.

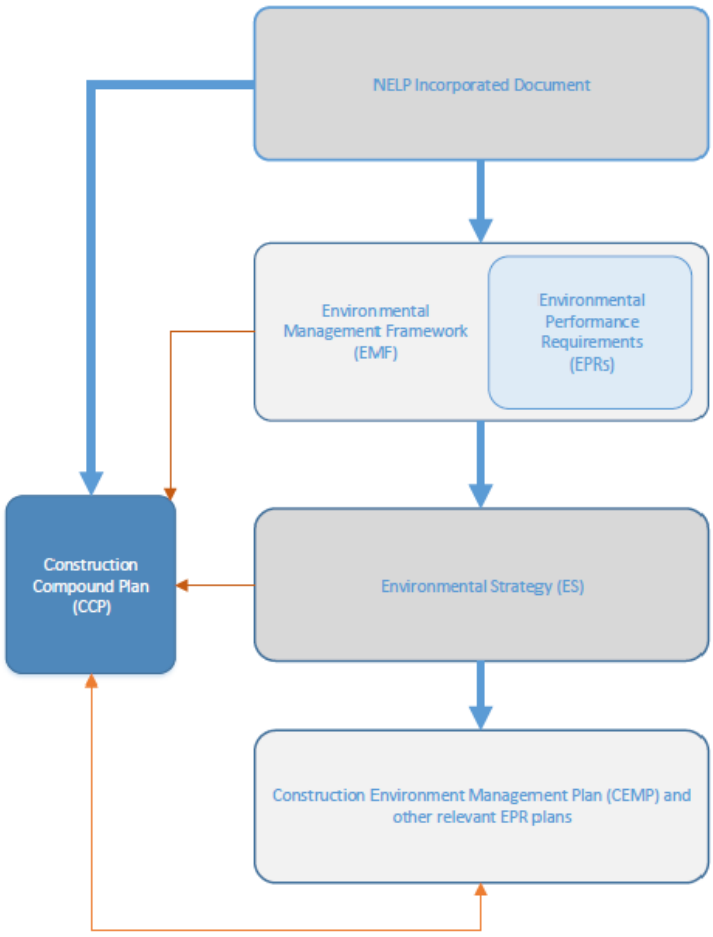


Figure 1: CCP Planning and Approvals Context

2.2 Incorporated Document

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 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.
- Presentation of the current version on a clearly identifiable Project website once this plan has been verified by an Independent Environmental Auditor (IEA) and approval from the Minister for Planning achieved.

Clause 4.12 of the Incorporated Document outlines requirements for CCPs, including content requirements. These requirements are summarised in Table 3, with a cross reference to where they are addressed in this Plan. Unless the Minister for Planning has provided an exemption, CCPs are required for all Construction Compounds (as defined in Section 1.1) associated with construction of the NEL Project.

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 3.1 Figure 2 Figure 3
4.12.2 b)	The estimated duration of activity within each compound.	Section 1.2 Section 3
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 compound on such land are not feasible or practical.	Section 3
4.12.2 d)	Demonstration that the compound (and categories of permissible works within each compound) have been sited to avoid, then minimise, then mitigate, impacts on sensitive receptors (including residences, open space, schools, community organisations and sporting and recreation areas).	Section 3
4.12.2 e)	Demonstration that the categories of works proposed within the compound are appropriate having regard to whether the land is flood prone, including any flood modelling where appropriate, or has any environmental sensitivity, and that the works will be suitably managed to address any flood risk.	Section 4
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.	n/a staging approach not proposed
4.12.4	A CCP may be amended from time to time, to the satisfaction of the Minister for Planning.	Section 8
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.	Section 2 Section 7

2.3 Secondary Approvals for the Manningham Construction Compound Facilities

Table 4 details the requirements of all relevant Secondary Approvals that may be necessary to establish the Compound.

These requirements are in addition to all requirements listed in the Project Scope & Delivery Requirements (PSDR).

Table 4: Secondary Approvals

Legislation	Responsible Authority	Approval	Purpose/Location	Application to this CCP (CCP-007)
Wildlife Act 1975	DELWP	Management Authorisation for the salvage and handling of fauna	If works will require the salvage, handling, removal, or destruction of wildlife	Not required for CCP-007 – No clearing required solely for the purpose of constructing the compound. The compound lies within the footprint of the permanent works
Flora and Fauna Guarantee Act 1988	DELWP	Permit/s to take protected species.	Ecology assessments will address the need for a permit to remove protected flora on public land.	Not required for CCP-007 – No clearing required solely for the purpose of constructing the compound. The compound lies within the footprint of the permanent works
Road Management Act 2004	City of Manningham	Working within a road reserve permit	Local streets associated with the works	Not required for CCP-007 No changes or impacts to local streets.
Road Management Act 2004	Department of Transport	Working within a road reserve permit	Bulleen Road may require a road reserve permit.	Not required for CCP-007 Workplace Traffic Management plan will detail all relevant access requirements for the Construction Site Existing commercial property access to be utilised
Heritage Act 2017	Heritage Victoria	Permit/s to impact places on Victorian Heritage Register (VHR), and consents for impacts on places on the Victorian Heritage Inventory (VHI).	In the event that a works will impact on a registered place.	Not required for CCP-007 No VHI or VHR places identified at the site
Victoria Planning Provisions – Manningham Planning Scheme	DELWP	North East Link Incorporated Document conditions, including native vegetation removal and Environmental Performance Requirements.	Works within the project boundary. Removal of native vegetation (to be confirmed based on findings from arborist/ecologist assessment). Note: Any removal of vegetation outside the project boundary which may be required to	Not required for CCP-007 No Native vegetation will be removed for the sole purpose of establishing this compound

Legislation	Responsible Authority	Approval	Purpose/Location	Application to this CCP (CCP-007)
			gain access to project land, would need to be assessed under the Planning Scheme requirements.	
Aboriginal Heritage Act 2006		Compliance with CHMP requirements	The Compound location is located immediately adjacent to culturally sensitive areas including Yarra River banks and Bolin precinct	There are no CH overlays impacted by the compound No Go zone fencing & signage to be installed boundaries. Notifications to RAP of pending works CHMP inductions required for any ground breaking activities
Melbourne Water (Flood Impact Assessment)	Melbourne Water	Letter of No Objection to have compound within the flood overlay	All proposed compounds in the Bulleen Area will be within the LSIO and hence subject to flood inundation.	Flood modelling of both temporary and permanent works required

3 SEM Compound

This compound is proposed at the site of the previous Bulleen Drive in Theatre, Greenaway Street, Bulleen. The site is within the current Bulleen Industrial Zone

This Manningham SEM Compound will be mobilised to support the Manningham Construction Site including the sequentially mined tunnel works. This compound has been separated from the adjacent Structural M&E Compound (also within the Manningham Construction Site) due to the size and complexity of both compounds.

The overarching location of the construction site in relation to the Manningham Compound, environmental features and businesses are shown in Figure 2 and Figure 4.

The land is in the City of Manningham municipality and prior to construction includes land previously occupied by the Bulleen Drive In theatre within the current Bulleen Industrial Precinct.

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. The compound is situated within the designated Project Boundary and does not encroach on the no-go-zones.

The detailed site plan for the Compound provides further detail on the facilities being mobilised that will be utilised by Spark and subcontracted staff.

Fencing and hoarding will be installed to delineate the construction site from surrounding land as shown in Figure 3.

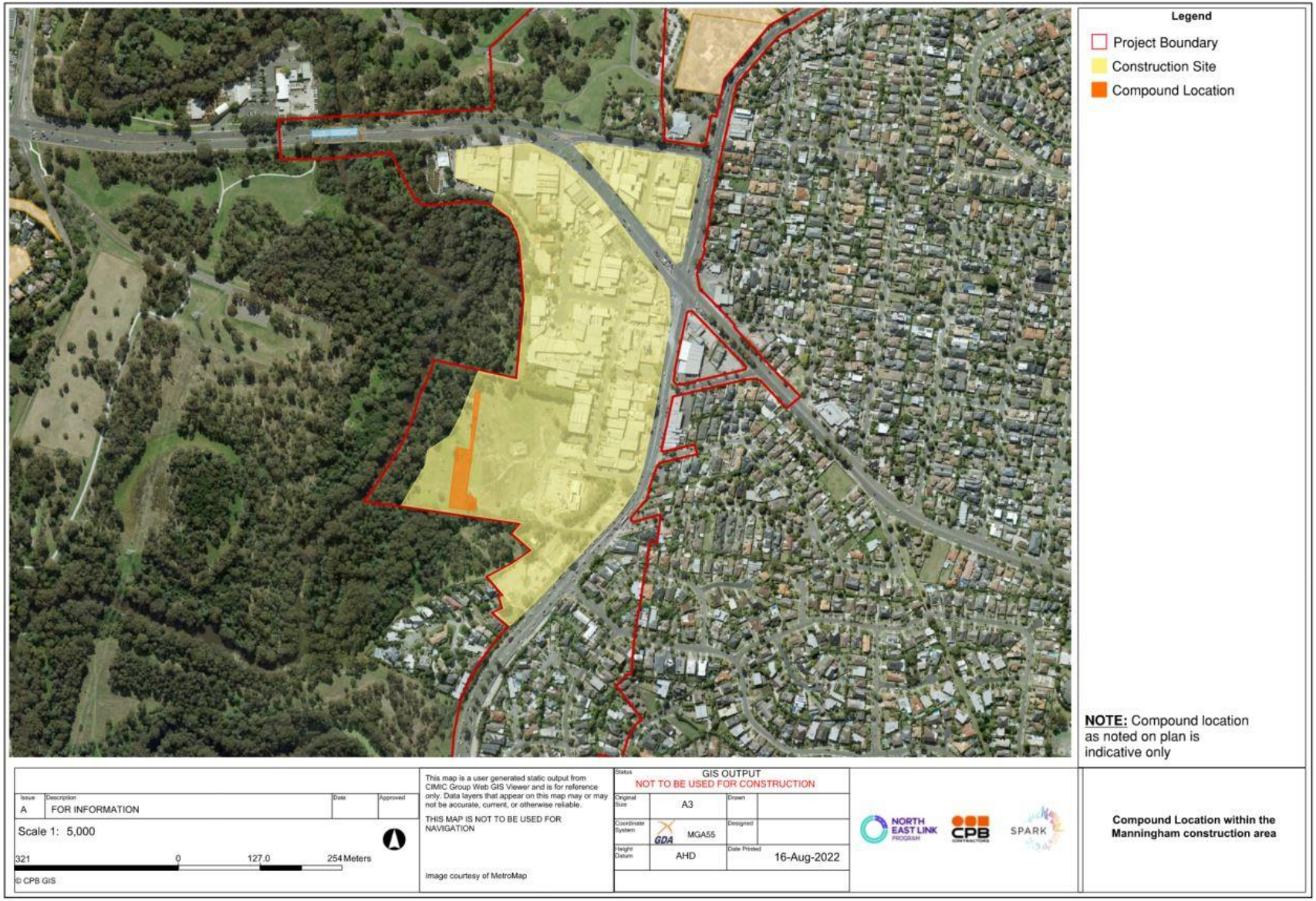


Figure 2 Indicative Compound Location and Manningham Construction Site

3.1 Compound

Below (including Figure 3) outlines the compound and facilities within, what the compound is used for and what construction activities the compound will support. The location and details of the compound are subject to minor layout changes if generally in accordance with the approved CCP. These changes will be based on subcontractor optimisation of the compound layout.

In line with the definition of a Construction Compound (Section 1.1), a summary of compound inclusions of the compound is outlined below.

The SEM Compound is a double storey facility and is proposed to contain the following facilities:

- Office facilities for white collar supervisory and support staff
- Training/prestart room for blue collar workers
- Lunch & crib sheds
- Bathhouse for underground workers
- Male and Female Ablution
- First Aid Room
- Concrete paths below walkways
- Barriers & temp fencing
- Hardstand, blocks, and pads to land and tie down sheds
- Services connections – Water, Sewer, Power, Data
- Car park
- Internal Access Roads

The Construction Site areas adjacent to the SEM Construction Compound include:

- A Bentonite Plant to support D Wall Construction
- A Spoil Handling Facility for SEM Spoil transfer from off road vehicles to on road trucks
- Water Treatment and Recycling Facilities

These works **do not** form part of the Construction Compound

The Manningham SEM Compound uses by Spark are:

- Office Amenities for white collar workforce
- Blue-collar Workforce Amenities including buildings for bathrooms, first aid and a meals/crib room
- The holding of site safety briefings each morning
- Workforce car parking
- Materials Storage, generally in containers, or where the storage of materials outside of the compound would create a security risk
- Storage of hazardous substances and other materials in accordance with relevant Australian Standards and EPA guidelines
- Storage of tools, equipment, and non-hazardous substances within shipping containers
- Materials Laydown and Storage – High value items

The construction activities that are supported by the Manningham SEM Compound are:

- Construction of the Cut & Cover Tunnel Diaphragm Walls
- Construction of the Sequentially mined Tunnel between Bulleen Industrial Precinct and Trinity College
- Construction of the Motorway Control Centre building
- Demolition works of the Bulleen Industrial Estate (155 Properties)
- Utility Relocation Works
- TBM Dismantling
- Parkland construction as per the UDLP
- Bentonite processing and recycling plant
- Handling of Mined Tunnel Spoil prior to loading for removal from site

Access to the site will be possible via a vehicle access road to be constructed from Greenaway Street once construction has commenced.

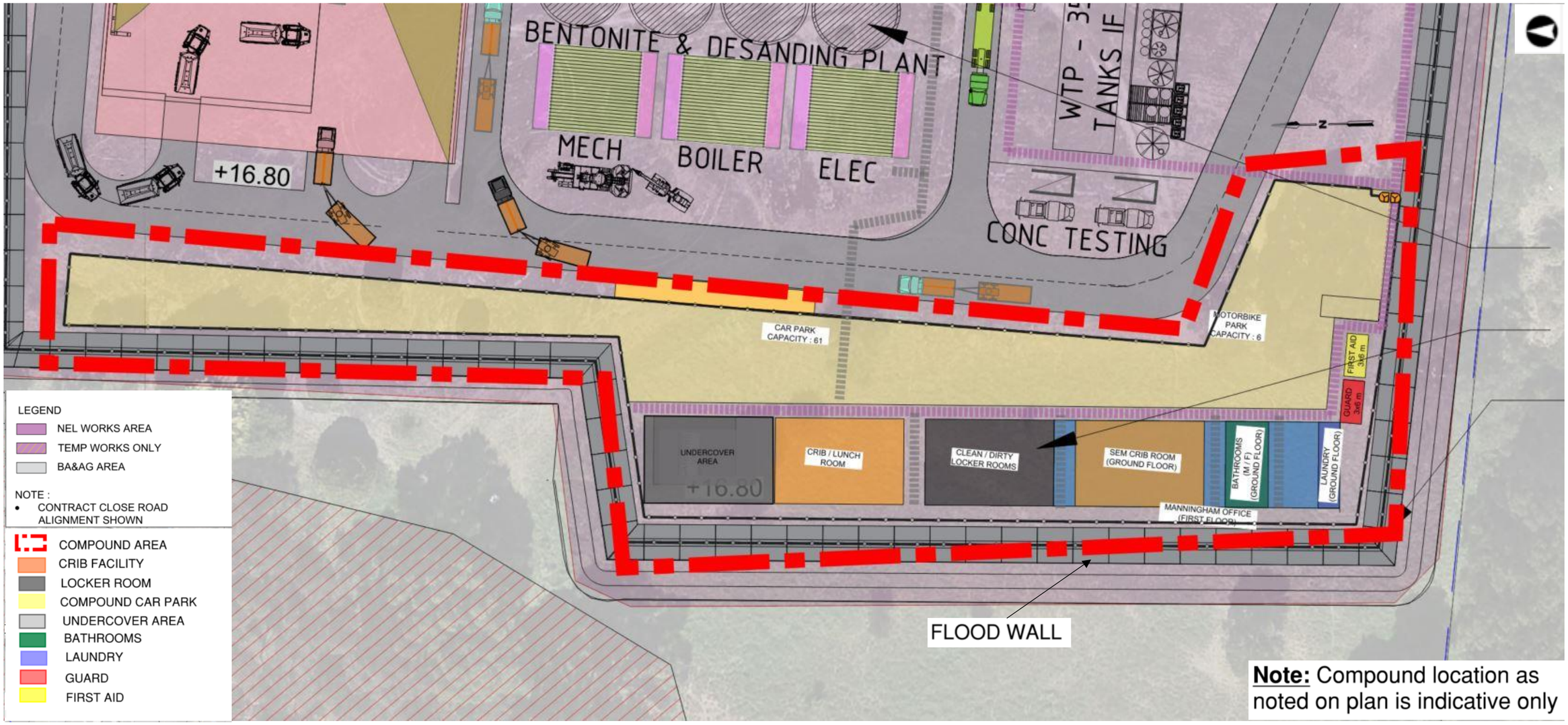


Figure 3 SEM Compound

Note: Access to the compound is via Greenaway Street in the Bulleen Industrial Precinct. Bulleen Road is accessible via the signalised intersection construction by the Early Works Contractor for Left In/Left Out & Right In /Right Out traffic movements

3.2 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 receptors.

The location of the Compound may have impacts on the following sensitive receptors:

Residents on the following streets:

- Ilma Court
- Robb Close
- Golden Way
- St Andrews Crescent
- Avon Street
- Austin Street
- Bulleen Road

Businesses:

- Bulleen Industrial Precinct (including Bulleen Industrial Zone, BIZ Group)

EMF No Go Zones:

- Bolin Bolin Billabong (Culturally Significant)
- Rear of 49 Greenaway Street

Environmental:

- Yarra River
- River Red Gum

Figure 4 below shows the compound location in relation to the surrounding area and sensitive receptors. This list of sensitive receptors was defined with NELP and includes input from Manningham City Council as provided through the consultation phase

Section 3.3 includes a discussion of how selection of the site seeks to avoid, minimise, and mitigate impacts on these sensitive receptors. Further details on measures that will be taken to mitigate impacts on sensitive receptors in accordance with the relevant EPRs is provided in Section 3.8.

The consultation and engagement is complete in relation to CCP works and the potential impacts to these sensitive receptors as detailed within Section 6.

All sensitive receptors and impacted stakeholders have been consulted in the finalisation of this CCP.

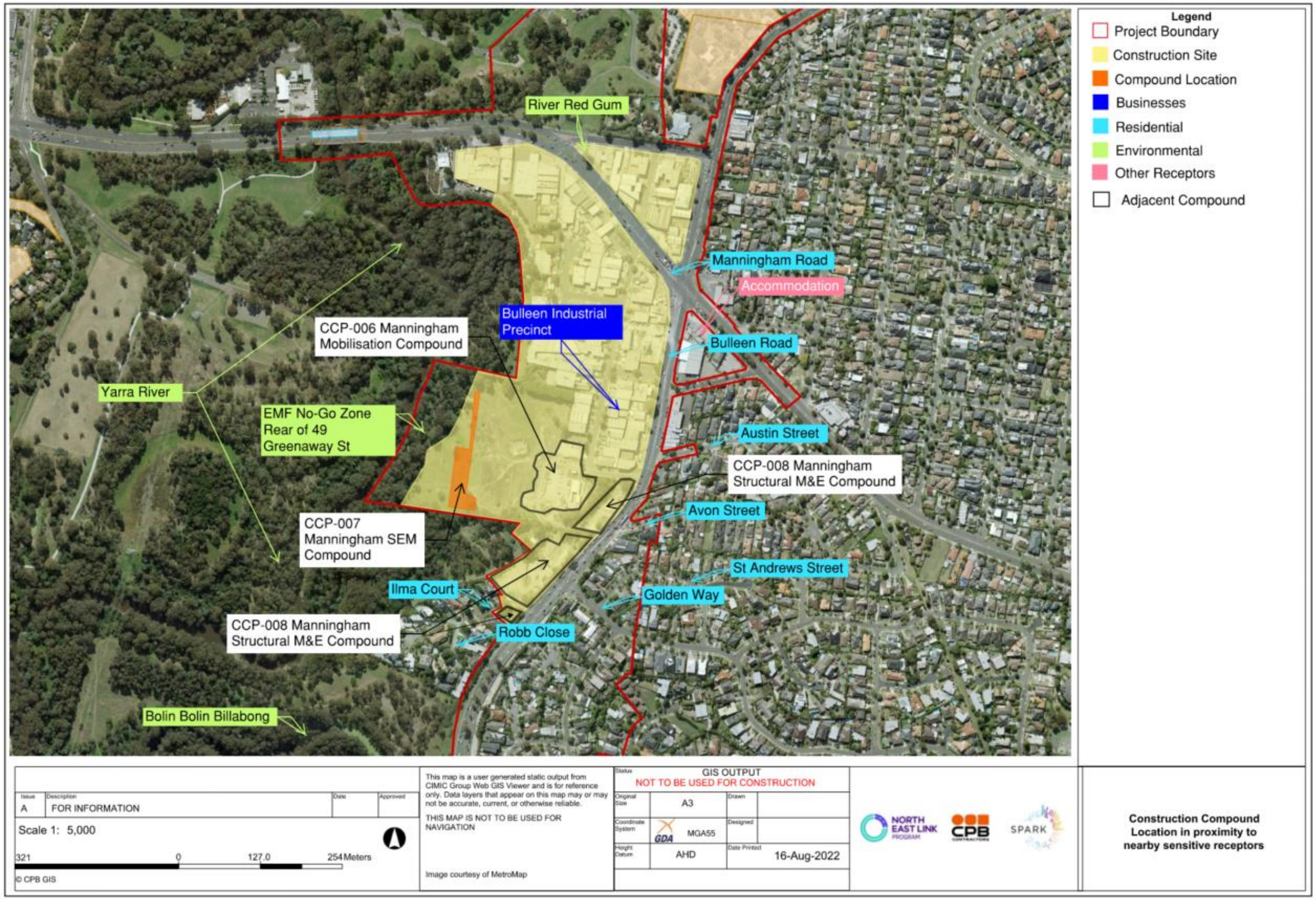


Figure 4 Construction Site location with nearby sensitive receptors

3.3 Justification of Location and Use of Compound

The selection of the compound's location was cognisant of the following factors and constraints:

- The site sits within the Project Boundary and permanent works areas
- No additional tree clearing is required to use the site
- The proximity to the permanent works for accessibility for the workforce
- Be of sufficient size to allow its safe & compliant operation for the intended purpose of the compound
- Be of sufficient size to provide the intended function for the workforce in the one locality
- Provide separation as far as practical to identified sensitive receptors
- Reasonable pedestrian and vehicular access to existing major road infrastructure
- Access to compound via existing residential road infrastructure is minimal
- No impacts to existing businesses (commercial and retail) including no impacts on existing street exposure, vehicular and pedestrian access, and parking amenities.
- Exposure, vehicular and pedestrian access, and parking amenities.

Two locations were assessed for the compound, Option A and Option B (Refer to Section 3.4)

Car parking for the compound will be within an area previously used as an overflow council car park on Greenaway Street and within the compound layout in limited circumstances.

The Compound is deemed to have a minimal impact in terms of the following aspects:

- **Future Land Use:** The Compound will be located on land within the footprint of the Primary Package works.
- **Proximity to Works:** Although the construction compound is within proximity to residential areas, the compound is placed as far as practicable to reduce noise, vibration, and lighting impacts.
- **Sensitive Receptors:** As the construction compound is within proximity to residential areas, the compound is placed as far as practicable to reduce noise, vibration, and lighting impacts. All existing footpath and cyclist connectivity will be maintained. This is a requirement of all worksite traffic management plans.
- **Business Impacts:** Impacts to nearby businesses are expected to be minimal as existing business are being demolished for the Construction works.
- **Cultural Heritage:** The area does not feature any direct impacts with identified Aboriginal Cultural Heritage (CHMP 15576) but is adjacent to the Bolin Bolin Cultural Area.
- **Flooding:** The undeveloped site is subject to flooding with the 1:20 year flood event covering the entirety of the site. The permanent works levels of the site raise the area to provide 1:100 year flood immunity. These construction works are required for the permanent design and will be partially performed prior to the establishment of the Compound which will sit on the protected level
- **Flora and Fauna/Arboriculture:** As the compound is located on land within the footprint of the Primary Package works, there is no need for additional vegetation clearing to facilitate the compound installation.

Table 5: Details of Implementation - Manningham SEM Compound

Incorporated Document Requirement	Details of Implementation – Manningham SEM Compound
Avoid	Avoids impacts to protected flora and fauna as no further clearing is required for the purpose of a compound Avoids impacts to Residential Receptors on East side of Bulleen Road Avoids impacts to Bulleen Industrial Zone as BIZ is being demolished for the works
Minimise	Minimises traffic impacts by using existing access to the site from Bulleen Road (State Controlled) and not Council controlled roads
Mitigate	Mitigates flooding risk for land within the Urban Floodway Zone by constructing a 1:20 year earthworks level prior to compound establishment and a 1:100 year flood wall required to protect the construction site. These construction works will be completed prior to establishment of the

Incorporated Document Requirement	Details of Implementation – Manningham SEM Compound
	compound Flood modelling undertaken and Melbourne Water Approval to mitigate impact of the location. Letter of no objection received by Melbourne Water.

3.4 Alternate Locations Consideration

Spark considered the following locations for this site

- Option A: The Bulleen Drive in Site (preferred location)
- Option B: The Bulleen Industrial Estate

No further locations were considered outside of the project boundary. No other locations were considered in this area as no other existing land parcels met the requirements of providing site facilities adjacent to critical work areas.

The table below summarises key reasons for the choice of the preferred Compound location:

Table 6: Comparison of Locations

Description	Option A	Option B
Is the site within the permanent footprint of the works	The site falls within the footprint of the permanent works hence avoids vegetation impacts resulting solely from compound location	The site falls within the footprint of the permanent works hence avoids vegetation impacts resulting solely from compound location
Is the compound within land permanently acquired for construction of the development activities	Yes. The compound area forms part of the permanent works area and has been permanently acquired	Yes. The compound area forms part of the permanent works area and has been permanently acquired
Is the land available when the compound is required to be constructed	Yes Avoids requirement for further compounds / relocations	No Therefore, will cause further disruption during relocation of the compound
Is access to the compound through the existing road network of the Bulleen Industrial Zone	Minimises impact to road users	Minimises impact to road users
Will the location of the compound impede construction of the works causing the compound to be moved	Avoids requirement for further compounds / relocations	Yes Therefore, will cause further disruption during relocation of the compound
Is the site immediately adjacent to the works area	Mitigates vehicle movements of workforce and staff	Partially
Are any trees required to be removed for the purposes of temporary facilities only	Avoids further/additional vegetation impacts	Avoids further/additional vegetation impacts
Does the site sit within an Area of Cultural Heritage Sensitivity	Minimises sensitive CH areas although sits adjacent to Bolin Bolin	Minimises sensitive CH areas although sits adjacent to Bolin Bolin
Is the site within the LSIO	Yes.	Yes.
Is the Flooding mitigated through construction of the permanent works levels	Mitigates impacts from flooding by establishing 1:100yr immunity of construction site prior to compound establishment	Mitigates impacts from flooding by establishing 1:100yr immunity of construction site prior to compound establishment

Description	Option A	Option B
	Flood modelling as approved by Melbourne Water	Flood modelling as approved by Melbourne Water
Is the Bentonite Plant sufficiently close to the D-Walls to allow material to be recycled	Mitigates ground breaking activities for additional pipework and risk of pipe bursts causing harm	No
Is the compound situated adjacent to HV power supplies required for SEM Tunnel works	Mitigates ground breaking activities for additional pipework and risk of pipe bursts causing harm	No

Table 7 provides a high-level assessment of the preferred location. Based on the options review, Option A was determined to best align to meeting the key aspects considered for minimise impacts to the surrounding community and environs and forms the proposed compound for this CCP. Alternative locations were limited due to the availability of space within the construction site and proximity of the compound in relation to the construction activity.

Table 7: Option A (Preferred Location) Site Selection Assessment

Impact	Avoid?	Minimise?	Mitigate?	Comment
Future Land Use		✓		Located within the footprint of design for NELP Project The site forms part of the Primary Package footprint and will be developed in accordance with the approved UDLP
Proximity to Works	✓			Immediately adjacent to main construction site for critical works Improved safety outcome for workers with greater separation between plant and people
Sensitive Receptors			✓	Adjacent to Bulleen Industrial Estate which is currently being vacated for the project works to proceed
Business Impacts	✓			Unlikely to impact local business
Cultural Heritage		✓		The site falls within Manningham Planning Scheme Heritage Overlay HO72 which provides controls for the Archaeological site Bulleen Drive-Inn (fmr) in the Policy. The site is adjacent to the Bolin Bolin Cultural Heritage Area
Flooding			✓	The site falls within an LSIO and Urban Floodway Zone. The construction site will be developed, as per permeant works design, to 1:100yr flood immunity prior to establishment of the compound. The Urban Floodway Zone outside the construction site footprint will not be altered.
Flora and Fauna/ Arboriculture		✓		No significant changes in environmental impacts choosing this option over Option B.

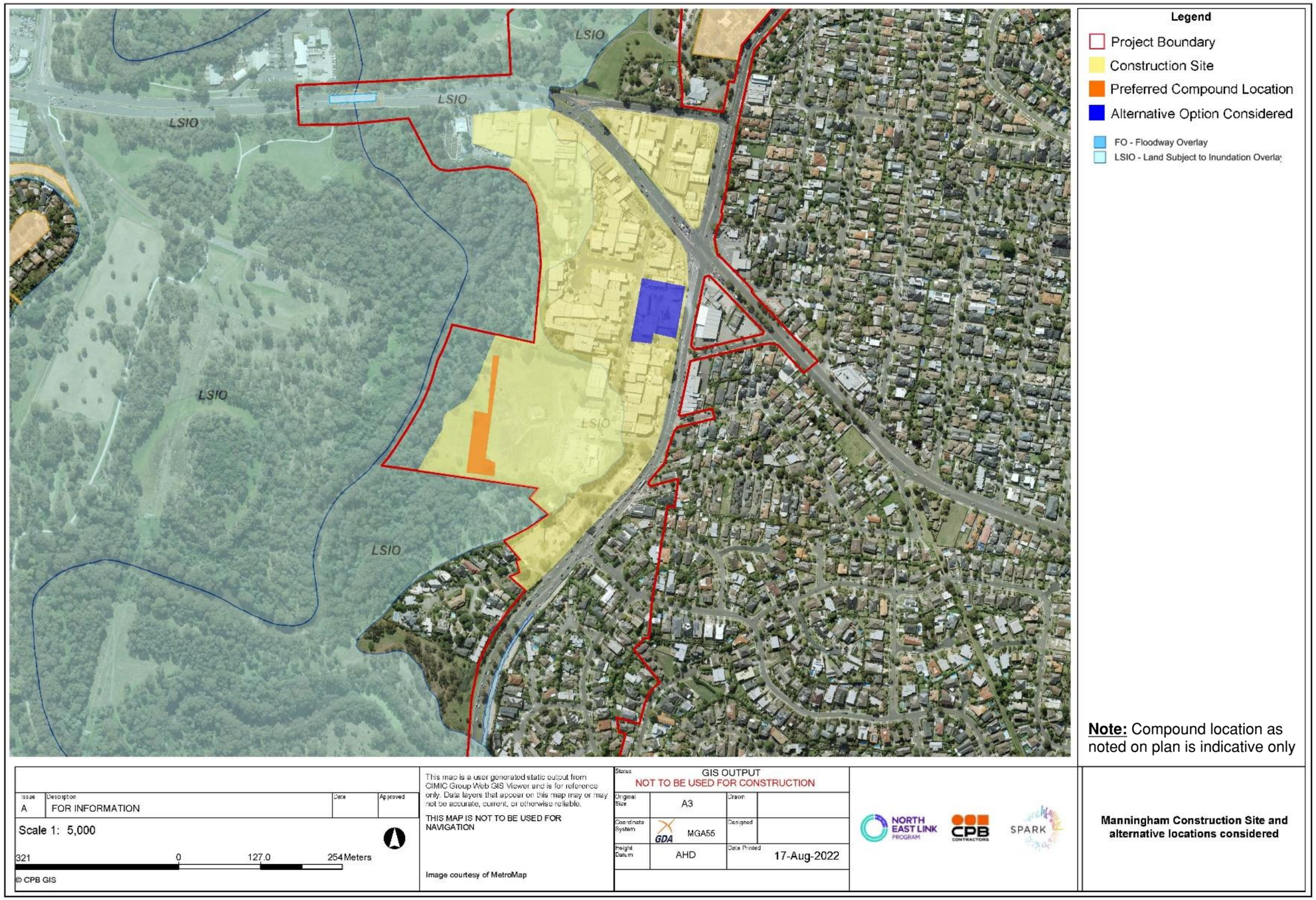


Figure 5 Alternative Options Assessed

3.5 Work Activities and Timing

The compound works are anticipated to begin in Q4 2022. Once the compound is established, it will remain in place until the end of the project (expected Q4 2026) or until supported construction activities are completed, after which they will be demobilised, and the sites Developed as per the approved UDLP.

It is expected to take approximately 15 weeks to establish the compound as shown below in Table 8. These works will occur during EPR prescribed working hours.

Table 8: Manningham SEM Compound (setup activities and indicative timings)

Compound	Occupation	Mobilisation Duration	Work Activities
Cut and Cover	Q4 2022 – Q4 2026	Commencing Q4 2022 15-week duration to install compound	Week 1: ▪ Setup environmental controls & monitoring for air, noise, and vibration as per the WEMP ▪ Temporary fencing, hoarding & site delineations ▪ Survey and set out Week 2-6: ▪ Install vehicle wheel wash ▪ Install vehicle weighbridge ▪ Site clearing & grubbing ▪ Demolition work ▪ Level, hardstands & haul roads (Plant equipment such as dozer, grader, watercart, rollers) ▪ In ground services & connections commenced including trenching Week 6- 10: ▪ Permanent fencing, internal access & barriers established (Temporary fencing dismantled) ▪ Crossovers, Gates & stabilise entry and exit points. ▪ Prep & seal car parks, line marking, signs, stops etc. ▪ Concrete walkways, footings, and blocks ▪ Land and assemble all compound sheds Week 10-15: ▪ Build covered ways ▪ Wiring, roofing & plumbing ▪ Installation of security lighting ▪ Provision and establishment of minor landscaping ▪ Installation of safety barriers (for access and egress roads & delineation of pedestrian / vehicular traffic)

3.6 Operation of the Compound

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 Construction Environmental Management Plan (CEMP), Communication and Community Engagement Plan (CCEP) and Construction Noise and Vibration Management Plan (CNVMP).

The Compound shall support works to deliver the Manningham cut and cover structures and ramps, the SEM Tunnel site installations, local road upgrades (Manningham Rd, Bride St, Bulleen Rd, Templestowe Rd) and the operations and maintenance building. These work activities and the corresponding environmental implications will be detailed in the WEMP.

The following activities would typically occur in the compound:

- Amenities for personnel; including buildings for bathrooms, first aid and a meals/crib room
- Management and supervision of works
- Pre-start meetings
- Car parking and minor deliveries

The Compound facilities will support (but not limited to) the following construction activities on the Construction Site

- Materials laydown
- Car parking
- Storage of vehicles, plant trucks, and construction materials
- Storage of hazardous substances as appropriate
- Storage of tools, plant & equipment, and non-hazardous substances within shipping containers

3.7 Working Hours

The primary use of the compound will align with EPR prescribed Working hours (EPA Publication 1834).

Prescribed Working Hours from the EPRs:

- Monday to Friday: 7am to 6pm
- Saturday: 7am to 1pm

Where night-time operation is required (including spoil removal for SEM Tunnelling operations) the Unavoidable Works procedure of the CNVMP will apply. A summary of the Unavoidable Works procedure is provided as follows

Unavoidable Works:

If avoidable works are required outside standard EPR prescribed working hours, the compound will be required to operate within the target guideline noise levels of the CNVMP.

If works that are to occur outside of EPR prescribed working hours cannot meet the weekend or shoulder period noise targets of EPR NV3 then the activity must meet the definition of ‘Unavoidable Works’ and be verified as such by the IEA.

EPR NV3 provides the definition of unavoidable works; they require road or rail occupations, are emergency or safety works, involve tunnelling or demonstrates and justifies a need to operate outside of EPR prescribed working hours and exceed the noise guideline targets. Noise modelling will be undertaken to establish predicted noise levels and noise mitigations will be implemented as per the CNVMP. The IEA must verify unavoidable works prior to commencement of the noise generating activity.

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.). Spark will work closely with NELP and the IEA to carefully coordinate works to ensure there is minimal inconvenience to the community.

3.8 Management of Impacts

Section 3.8 relates to the impacts from the Compound only. All impacts associated with the Construction activities supported by the compound will be addressed in the CEMP, WEMP, SEP and CEMP Subplans.

Work activities have been located to avoid impacts to sensitive receptors where possible. For example, air conditioning units have been designed so the units are faced away from sensitive receptors.

The compound will have fixed ply hoarding 2.4m high at all boundaries interfacing with sensitive receptors including residential properties.

Potential impacts associated with establishing and operation of the compound have been identified by assessing sensitive receptors, compound activities (e.g., vegetation clearing for placement of compound), and compliance with EPRs.

This section describes the application of controls associated with avoiding and mitigating impacts through the implementation of the project management plans required by the EPRs including the CEMP and sub plans, Transport Management Plan and the CCEP. The WEMP covering each compound will prescribe the site-specific environmental management measures to mitigate the risks and impacts in establishing and operating the compound facilities. Refer to Section 7 for a high-level description of Spark's Environmental Management System (EMS), including documents and plans.

3.8.1 EPR Compliance

The applicable EPRs have been addressed through development of project specific management plans or procedures and controls that will be implemented across the Primary Package and, where applicable, for this plan. The plans required by the EPR listed in Table 9 have been developed and implemented for activities associated with the Primary Package.

Table 9: Primary Package - Management Plans Required by the EPR

Required Management Plans	Relevance to this Plan
Dust and Air-quality Management and Monitoring Plan (AQ1)	The Dust and Air Quality Management and Monitoring Plan details the overarching management methods and controls in relation to dust and air quality. The operations and activities within the construction compound will adhere to the management plan.
Tree Removal Plan and Canopy Replacement Plan (AR1, AR3)	A Tree Protection Plan will be followed for Construction Compound works within the compound. This plan outlines management procedures in relation to site tree protection measures including establishing tree protection zones for retained vegetation. Definitive tree removal guidance will be outlined in the Manningham WEMP. These documents will be informed by site specific arboricultural and ecological reports for all trees associated with the compound that are to be removed.
Tree Protection Plans (AR2)	A Tree Protection Plan will be followed for works within the compound. This plan outlines management procedures in relation to site tree protection measures including establishing tree protection zones for retained vegetation. Definitive tree protection guidance will be outlined in the WEMP. These documents will be informed further by site specific arboricultural and ecological reports for all trees associated with the Manningham compound that are to be protected.
Spoil Management Plan (CL1)	A Spoil Management Plan will be used to inform the management of spoil including but not limited to; stockpiling, soil categorisation, transportation and disposal associated with works within the construction compound. Site specific soil management guidance will be outlined in the WEMP.
Ground Movement Plan (GM2)	The Ground Movement Management Plan is utilised to assess the risk of ground movement from construction and use of the compound. This plan will inform site specific management controls in the WEMP.
Groundwater Management Plan (GW1)	The Groundwater Management Plan will be used to assess the impacts of the construction compound on the groundwater in the area. This plan will inform site specific management controls in the WEMP.
Archaeological Management Plan (HH2)	The Archaeological Management Plan will be used to assess the potential for impacts of the construction compound on historical heritage places. Note: Cultural heritage will be managed in accordance with the approved Cultural Heritage Management Plan (15576).
Construction Noise and Vibration Management Plan (NV3)	The CNVMP outlines the monitoring and guidelines to minimise noise impacts on sensitive receptors outlined in Section 3.2. Definitive noise and vibration management guidance will be outlined in the relevant WEMP. These documents

Required Management Plans	Relevance to this Plan
	will be informed further by noise and vibration assessments where required associated with construction site and its surrounds.
Surface Water Management Plan (SW5)	The Surface Water Management Plan outlines guidelines to minimise surface water impact on nearby waterbodies. This plan will inform site specific management controls in the WEMP.
Sustainability Management Plan (SCC1)	The Sustainability Management Plan is utilised to assess compound sites for opportunities to implement sustainable practices.
Transport Management Plan (T2)	The compound has various interfaces 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 to keep the compound environment safe and limit impact to nearby sensitive receptors.
Flood Emergency Management Plan (SW7)	The Flood Emergency Management Plan include measures applicable to the compound, such as evacuation procedures in the event of flooding. The construction site is subjected to flood risk and may require site specific flood management controls.
Communication and Community Engagement Plan (CCEP) (SC3)	The works within the construction site will be undertaken as per the CCEP. Communication and Community Engagement Plan has been referenced as per Section 6 of this Plan.

The requirements of these Management Plans, and other EPR related plans which may be applicable to this CCP, are addressed in the Worksite Environmental management Plan (WEMP) applicable to this works area. The WEMP details the specific requirements and controls to avoid and mitigate environmental impacts resulting from the Construction Compound activities

3.8.2 Preliminary Risk Assessment and 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 3.5, the risks below have been identified with proposed controls to manage this risk associated with compound mobilisation activities.

From the assessment some aspects of compound establishment and operation have specific environmental and / or community sensitivities. These sensitivities, specifically air quality, ecology, arboriculture, landscape and visual, noise, surface water and waste impacts are highlighted because they are most relevant. Environmental risks and controls listed below will be further informed by pre-construction environmental assessments, these controls will then be contained in the WEMP.

All risk ratings are assessed by considering likelihood and consequence of each risk in the context of the specific site locations in line with the Project Risk Register and Risk Management Procedures

Table 10: Risk Assessment

Relevant EPRs to this Compound	Environmental Aspect	Potential Risks	Initial Risk Level
AH1	Aboriginal Heritage (AH)	Unexpected discovery and potential disturbance or impact to cultural heritage	Low
AQ1, AQ6	Air Quality (AQ)	Dust generation causing potential human health impacts Deposition on buildings and vehicles Odour	Low
AR1, AR2, AR3, FF1, FF2, FF3,	Arboriculture (AR) / Flora and Fauna (FF)	For the **SEM Compound** there are no native trees and amenity trees impacted by the Compound location as the site falls within the permanent construction footprint.	Med

Relevant EPRs to this Compound	Environmental Aspect	Potential Risks	Initial Risk Level
FF4, FF5, FF6			
LV2, LV3	Landscape and visual (LV)	Light spill during the use of compound office outside of the standard working hours resulting in impact on sensitive receptors	Low
NV3, NV4, NV10	Noise and Vibration (NV)	Nuisance noise generated by operation of the compound Community concern / complaint Noise impact from morning pre-starts The compound will likely operate outside standard hours	Med
SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW12, SW14, SW15, CL5	Surface Water (SW) / Contaminated Soil (CL)	Adverse impacts to water quality Adverse impacts to aquatic flora and fauna Disturbance of watercourse stability, waterway modification Uncontrolled release of poor-quality water (turbid, high/low pH, other) Adverse impacts arising from storage of hazardous goods storage	Med
LP1	Land Use Planning	Land use impact to residents	Low
SC1, SC2, SC3, SC4, SC6, B1, B2, B3, B4, B5, B6, B7, B8	Social and Community/ Business	Impacts on formal active recreation, education, and other facilities including childcare centres Amenity impacts on businesses impacted by the Compound Damage to utility assets Impacts to nearby businesses	Med
SCC1, SCC2, SCC4, SCC5	Sustainability and Climate Change	Environmental impacts associated with waste facilities at the compound Environmental impacts associate with resource consumption Greenhouse gas emissions from electricity use Water supply impacts through potable water	Low
T2, T5	Traffic and Transport	Impacts to the community in relation to pedestrian and cyclist infrastructure, shared user pathways, public transport routes. Parking and access to local roads. Impacts to operational capacity of the local road network and intersections.	Med

These risks including controls and mitigation strategies will be further detailed in the WEMP applicable to this work area. The WEMP details the specific requirements and controls to avoid and mitigate environmental impacts resulting from the Construction Compound activities

4 Management of Environmental Sensitivities

From the environmental risk and EPR compliance assessment, some aspects of the compound have specific environmental and / or community sensitivities. These sensitivities and their risks and controls are addressed in Table 11.

Table 11: Residual Risk Assessment

Relevant EPRs to this Compound	Potential Risks	Initial Risk Level	Key Controls	Residual Risk Level
Aboriginal Heritage (AH)				
AH1	Unexpected discovery and potential disturbance or impact to cultural heritage	Low	▪ All works shall be managed in accordance with the approved Cultural Heritage Management Plan (CHMP 15576). Spark will comply with the CHMP requirements and in consultation with the Registered Aboriginal Party and First Peoples – State Relations. ▪ Cultural heritage inductions will be provided for all personnel involved in ground disturbing activities associated with the establishment works for the compound. ▪ Notification to the RAP prior to any ground breaking activities	Low
Air Quality (AQ)				
AQ1, AQ6	Dust generation causing potential human health impacts Deposition on buildings and vehicles Odour	Low	Controls will be informed by management plans required by the EPR (Table 9) and included in further detail in WEMP NEL-CNT-SDC-2990-EEE-MPL-0026 & NEL-CNT-SDC-2990-EEE-MPL-0025 ▪ Dust generation will be kept to a minimum when establishing the compound. ▪ Construction compounds to be asphalted/ sealed roads to minimise dust associated with vehicle movements. ▪ During construction of compounds, dust mitigation techniques will be used including water cart to minimise impacts on sensitive receptors. ▪ Mud tracking and dust on roads to be minimised through use of stabilised site exits established prior to the construction of the compound. ▪ Wheel Wash facilities will be installed at site entry and exit points. ▪ Weather conditions when compound establishment activities occur will reduce the risk of nuisance dust been generated 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.	Low
Arboriculture (AR) / Flora and Fauna (FF)				
AR1, AR2, AR3, FF1, FF2, FF3, FF4, FF5, FF6	There are amenity trees impacted by the location.	Medium	While there are no trees required for removal as a result of this compound, the below requirements would apply for the areas covered by the Construction Site. An ecological assessment will be undertaken prior to works commencing to:	Low

Relevant EPRs to this Compound	Potential Risks	Initial Risk Level	Key Controls	Residual Risk Level
			▪ 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 WEMP. Prior to any disturbance, clearing or grubbing activities in any locations the following must be in place: ▪ An internal Permit to Clear or equivalent (including pre-clearing checklist). Followed by a post-clearing checklist or equivalent. ▪ 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 no EMF No-go Zones in the proximity of the construction compound. Any additional No-go Zones established for the construction compound area, such as native vegetation/trees to be retained, are to be fenced. These additional No-go Zones are to be determined by the ecology assessment and shown on the WEMP. Any damage to No-go Zone fencing or signage must be reported to supervisor or Environment Manager immediately. 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 and Canopy Replacement Plan ▪ AR2: Tree Protection Plan ▪ CEMP A detailed arborist assessment will be undertaken prior to works commencing to determine the exact extent of tree impacts due to the Construction Compound.	

Relevant EPRs to this Compound	Potential Risks	Initial Risk Level	Key Controls	Residual Risk Level
			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 as per the Tree Removal Plan 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 the Manningham construction site will be protected by temporary fencing in accordance with the TPZ requirements in the Tree Protection Plan. Tree Protection Fencing where required is to be installed in accordance with AS 4970-2009 Protection of trees on development sites and the following methodology: ▪ To the extent agreed to with the Environment Team and or the Project Arborist. ▪ Constructed from 1.8m 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, and signage used to designate area as TPZ/No Go Zone. Controls will be informed by management plans required by the EPR (Table 9) and included in further detail in the WEMP. ▪ Further ground truthing and survey work is required to refine tree impacts, a project arborist is to be engaged to identify trees for retention and removal on-site. ▪ Utilise porous surfaces wherever possible to limit impacts to tree roots. ▪ Project Arborist to supervise any works including installing crib huts under tree canopies. ▪ The compound is located within the footprint of preliminary design for NELP Project, therefore there will be no long-term impact as the result of this selected location. ▪ Established Tree (and / or vegetation) Protection Zone (TPZ), fencing in accordance with the Tree Protection Plan. ▪ Establish no go zones to restrict access to environmentally and culturally significant areas.	
Landscape and Visual (LV)				
LV2, LV3	Light spill during the use of compound office outside of the standard working hours resulting in impact on sensitive receptors	Low	▪ Where the compound is in operation outside standard hours, lighting towers/security lighting will be angled and placed to avoid impact on nearby sensitive receptors. ▪ Perimeter fencing/hoarding to be installed around the Compound. ▪ Vegetation to be retained where possible to minimise light spill.	Low

Relevant EPRs to this Compound	Potential Risks	Initial Risk Level	Key Controls	Residual Risk Level
Noise and Vibration (NV)				
NV3, NV4, NV10	Nuisance noise generated by operation of the compound Community concern / complaint Noise impact from morning pre-starts The compound will likely operate outside standard hours	Med	**Noise Modelling** Noise modelling will be 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 receptor 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. ▪ Whether or not there is natural shielding between the works and nearest receptors. The aim of the construction noise modelling is to determine whether predicted noise levels will exceed Noise Management Levels 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. **Noise Monitoring** Based on the results from the noise modelling, noise monitoring will be undertaken during works at select locations. These locations are to include the closest sensitive 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 1834: Civil construction, building and demolition guide. ▪ 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	Low

Relevant EPRs to this Compound	Potential Risks	Initial Risk Level	Key Controls	Residual Risk Level
			both day and night works, using a hand-held noise meter or a tripod setup with a noise meter. **Noise Mitigation Measures** 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 doors. ▪ Selection of plant considers noise impacts and quieter plant is selected (where possible). There are few 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 receptors 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. Controls will be informed by management plans required by the EPRs (Table 9) and included in further detail in the WEMP. ▪ All works shall meet noise guideline target levels within NV3. ▪ If unavoidable works are required, the process as outlined in Section 3.7 of CCP is to be followed. ▪ 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 if required. ▪ Further pre-construction assessment to be undertaken to assess construction related noise in combination with compound operation. ▪ Trucks will enter and exit from site using approved arterial roads. Most works will occur during approved working (daytime) hours. ▪ Residents will be advised through works notifications of requirements for night works.	

Relevant EPRs to this Compound	Potential Risks	Initial Risk Level	Key Controls	Residual Risk Level
			Noise monitoring will take place during night works. ▪ Spark has a respite and relocation policy in place to support residents through works taking place outside approved hours / for unavoidable works. ▪ Workers will be inducted and trained through ongoing pre-starts and toolbox talks about behaviour expectations to minimise impacts on neighbours.	
Surface Water (SW)				
SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW12, SW14, SW15, CL5	Adverse impacts to water quality Adverse impacts to aquatic flora and fauna Disturbance of watercourse stability, waterway modification Uncontrolled release of poor-quality water (turbid, high/low pH, other) Adverse impacts arising from storage of hazardous goods storage Storage of Hazardous Substances	Med	A desktop assessment has been undertaken for the Construction Compound. This site is situated within the 1% (1 in 100) AEP flood extent of the Yarra River floodplain with existing flood depths of 5m to 10m above NGL at the compound. The 10% (1 in 10) AEP flood in the Yarra floodplain produces flood depths of up to 7m above NGL at the SEM Site Compound. The SEM Site Compound sits below the 10% AEP flood level in the AEP flood level in the Yarra River floodplain. As part of the Construction Site a site flood wall is intended to be constructed to protect against the 1% (1 in 100) AEP flood extent of the Yarra River floodplain. This flood mitigation of the construction Site will be installed prior the establishment of the Compound and therefore mitigates the flooding risk associated with this CCP. The Yarra floodplain has a response time of at least a day due to the vast water volume required before the river spills its banks into the floodplain. It takes at least a day for water to flow to this location from the upper catchment. Due to this and in an event exceeding 1:100yr expected flood level, the construction compound area will have time to anticipate flooding and prepare accordingly. The flood risk will be managed through implementation of the Flood Emergency Response Management Plan (FERMP). Controls will be informed by management plans required by the EPRs (Table 9) and included in further detail in the WEMP. ▪ The Compound falls within the Land Subject to Inundation Overlay (LSIO). ▪ Installation of controls prior to construction of the compound as per WEMP, including drainage controls to be installed to prevent water quality impacts of the Yarra. ▪ Flood Emergency Response Management Plan to be present and briefed at this construction compound. ▪ Activities/ temporary structures within the compound will be situated away from drainage points as far as practical. ▪ Aqua barrier bladders will be deployed to further minimise impacts for 10% AEP flood events, which can effectively retain between 1.5ft and 6ft of flood water.	Low

Relevant EPRs to this Compound	Potential Risks	Initial Risk Level	Key Controls	Residual Risk Level
			▪ All compound facilities will be established above RL 12.9m AHD which is above the 5% AEP flood level. ▪ This area will only be used for short term storage of mobile vehicles, plant, trucks which will be relocated above the flood level in the event of rising water trigger levels ▪ No materials will be stored loose on the ground to avoid risk of inundation ▪ All Compound fencing will consider the impact on flooding (Ply vs chain mesh) at critical flow paths ▪ Materials will be stored in containers which can be craned to higher ground in the event of rising water levels ▪ The car parks will remain closed to all vehicles in an instance of rising water levels ▪ All waste materials will be stored in protected bins. ▪ All Hazardous materials will be stored in appropriately self-bunded and ventilated storage containers to ensure any potential of spill is contained within the bund. ▪ All Hazardous materials will be stored in appropriately self-bunded and ventilated storage containers to ensure any potential of spill is contained within the bund. ▪ The hazardous material storage containers will be craned to higher ground in the event of rising water levels with these containers given priority over standard storage materials. ▪ Spill kits and relevant SDS will be available at the location of each Hazchem storage container. All surface water will be contained within the Flood mitigation wall and within the construction site. Surface water will be managed by pumping water to the Water Treatment tank within the construction site and treating the surface water prior to discharge via Trade waste Agreements with Yarra Valley Water.	
Land Use Planning				
LP1	Land use impact to residents	Low	The impacts to residents have been minimised in terms of occupying existing land acquired for the Project.	Low
Social and Community Business				
SC1, SC2, SC3, SC4, SC6, B1, B2, B3, B4, B5, B6, B7, B8	Impacts on formal active recreation, education and other facilities including child care centres Amenity impacts on businesses impacted by the Compound	Med	Refer to Section 6 regarding working with sensitive receptors, residents, local Council and attending Business Liaison Groups (B8). The Business Disruption Mitigation Plan will be developed (B1) and Spark will contribute to the Business Relocation Strategy (B2). ▪ Protect or, where required, relocate utility assets to the reasonable satisfaction of the service provider and/or asset owners.	Low

Relevant EPRs to this Compound	Potential Risks	Initial Risk Level	Key Controls	Residual Risk Level
	Damage to utility assets Impacts to nearby businesses			
Sustainability and Climate Change				
SCC1, SCC2, SCC4, SCC5	Environmental impacts associated with waste facilities at the compound Environmental impacts associated with resource consumption Greenhouse gas emissions from electricity use Water supply impacts through potable water	Low	Controls will be informed by management plans required by the EPR (Table 9) and included in further detail in the WEMP. ▪ Greenhouse Gas emissions and potential impacts from energy use and water use (potable water usage). ▪ Project has a target of 60% office waste diversion. ▪ Rainwater tanks to be added where space allows. ▪ Connecting the Construction Compound to electrical mains and purchasing green power. ▪ A Sustainability Management Plan will be prepared in accordance with SCC1 and will provide management procedure to comply with SCC4 and SCC5. ▪ Suitable and sufficient receptacles (bins, skips, tanks, etc.) provided at the compound to facilitate correct segregation of waste. All receptacles to be labelled and used correctly to avoid contamination. ▪ No overfilling of bins on site, regularly scheduled waste disposal. ▪ Include sustainability opportunities that contribute towards Spark's sustainability targets associated with the compound facilities including car parks and concrete walkways (e.g., recycled asphalt pavement, recycled content (excluding RAP), absolute reduction in material use for pavement, use of carbon neutral or low-carbon products), Site offices - opportunity for achieving ISv2.1 WFS-4 Sustainable Site Facilities credit.	Low
Traffic and Transport				
T2, T5	Impacts to the community in relation to pedestrian and cyclist infrastructure, shared user pathways, public transport routes. parking and access to local roads. Impacts to operational capacity of the	Med	A Work Site Traffic Management Plan (WTMP) and supporting drawings will be developed in accordance with EPR T2 addressing the traffic engineering characteristics of each compound, with due consideration to all modes of movement, access arrangements, car parking, construction vehicle movement, pedestrian and cyclist infrastructure and public transport provisions. A Traffic Impact Assessment (TIA) will further support the documentation investigating impact to the operational capacity of the adjacent road network along with the abovementioned considerations. This documentation will be subject to review and approval by the Relevant Road Authorities under the Road Management Act 2004 and will be approved	Low

Relevant EPRs to this Compound	Potential Risks	Initial Risk Level	Key Controls	Residual Risk Level
	local road network and intersections		prior to commencement of establishment of the compound. Controls will be informed by management plans required by the EPR (Table 9) and included in further detail in the WEMP. ▪ Sufficient off-street parking to be established within site boundary and adjacent to the compound for associated workforce and visitors. ▪ Worksite Traffic Management Plans (WTMPs) detailing site layout and any impacts to amenity will be subject to review and approval by the Responsible Road Authority. ▪ WTMPs illustrating changes to the road network operational capacity will be supported by traffic analysis where relevant ▪ Existing bus stops located adjacent to the compound will be maintained and available to the public and workforce or alternate arrangement implemented as approved by the Relevant Road Authority. ▪ Site inductions will detail impacts of construction traffic on the local community. Parking in residential streets and business surrounding the site will not be permitted. Staff will be encouraged to use public transport. ▪ Existing pedestrian & cyclist arrangements to be maintained or alternate arrangement implemented as approved by the Relevant Road Authority. ▪ Project communications strategy will keep community informed of forthcoming changes. ▪ Access to Local Roads	

These risks including controls and mitigation strategies will be further detailed in the WEMP applicable to this work area. The WEMP details the specific requirements and controls to avoid and mitigate environmental impacts resulting from the Construction Compound activities.

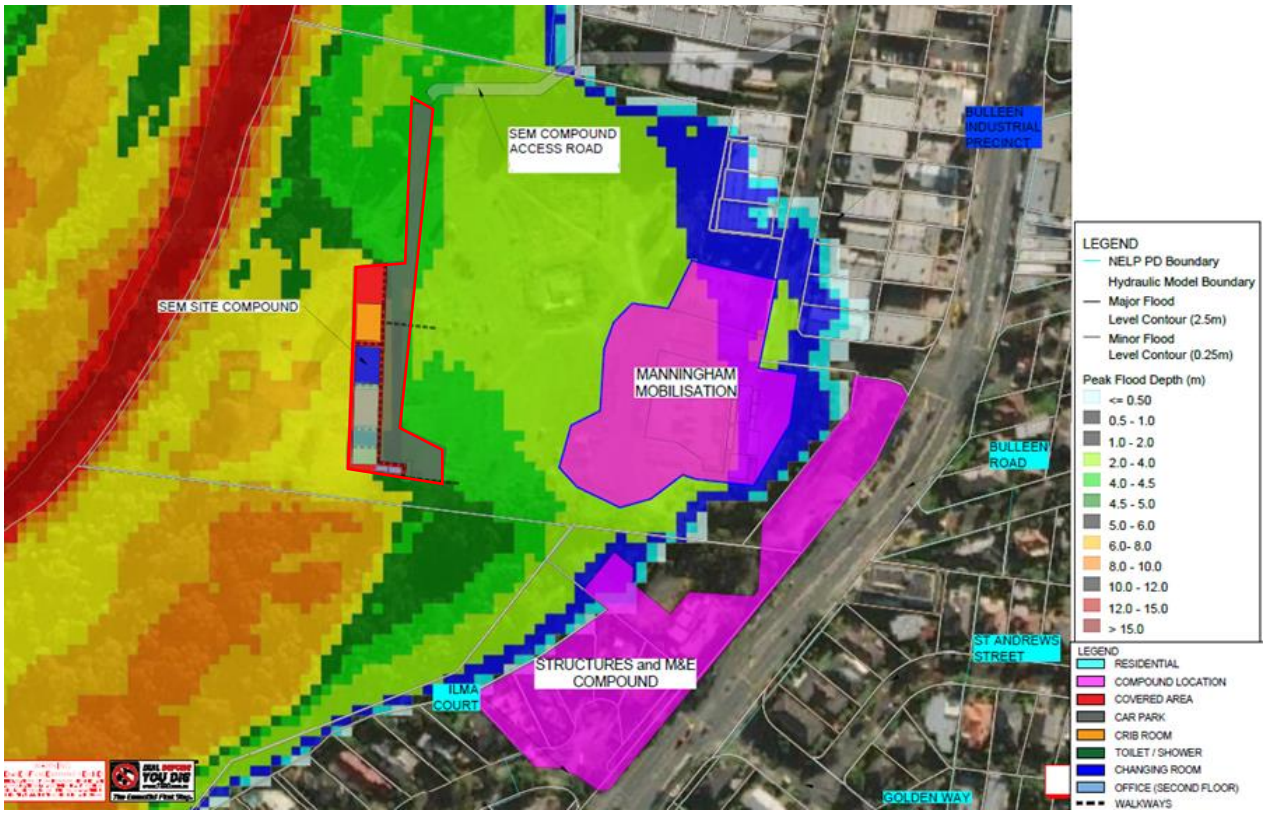


Figure 6 Existing Flooding Extent for 1% (1 in 100) AEP Event

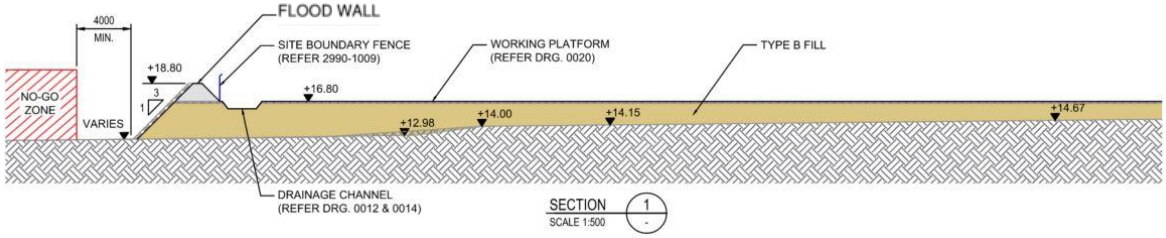


Figure 7: Immunity Levels for 1% (1 in 100) & 5% (1 in 20 year) AEP Event

5 Site Demobilisation and Restoration

The compound is located within the footprint of permanent works that are currently undergoing detailed design. No compound establishment or operations are proposed outside the current permanent works footprint.

The Compound will be demobilised in Q4 2026. The compound locations will be developed in accordance with an approved UDLP following demobilisation.

Where temporary materials from the compound are removed from site, options to reuse or recycle materials will be considered.

6 Communications, Stakeholder and Community Engagement

6.1 Stakeholder and Community Engagement Approach

A number of environmental and community impacts are identified in Section 3 and proposed mitigations are identified in Section 4.

Spark has consulted with nearby residents and businesses to seek feedback on the proposed use of the compound and any proposed mitigation strategies.

A door knock has been undertaken as part of the consultation. The door knock area was agreed through discussions on consultation requirements between Spark and NELP with feedback provided by Manningham City Council also incorporated.

The following information was shared with the local community, including residents and businesses, as part of the consultation period:

- The compound will support the construction works in the area including the Cut and Cover Tunnel, the SEM tunnel and project finishing works.
- There may be impacts as Spark operates the compound.
- The compound will contain amenities and facilities required for employees at the Manningham site, as well as an office, pathways, hardstands for sheds and parking, laydown and storage areas, a car park and waste and recycling facilities.
- Work activities have been located to avoid impacts where possible. However, there may still be impacts such as dust, noise, vegetation removal, lights at night, light vehicles, and trucks in the area when we start work.
- Spark will implement mitigations such as hoardings, light shields, concrete /asphalt / sealed areas to control the impacts as far as practicable
- The impacts for the Construction Works outside the compound will be managed through a WEMP
- Residents will be provided a phone number and email address to contact the project.

In addition to consultation with residents and businesses, the following key stakeholders will be advised of plans for the construction compound in regular meetings:

- Manningham City Council
- Melbourne Water
- Department of Defence
- Department of Transport
- Community Liaison Groups
- Business Liaison Groups.
- Wurundjeri Woi-wurung Cultural Heritage Aboriginal Corporation

The door knocks included residents of the following streets:

- Ilma Court
- Robb Close
- Golden Way
- St Andrews Crescent
- Avon Street
- Austin Street
- Bulleen Road

6.2 Contact Numbers

Big Build Contact Centre: 1800 105 105

6.3 Complaint Management

Table 12: Complaint Management Requirements and Responsibilities

Expectations	How we will meet the Expectations (Minimum Requirements)	Key Contributor	Deliverables
Procedures are established for effectively dealing with community enquiries and complaints. In adherence to EPR EMF4	**Contractors Enquiry and Complaints Procedures** In accordance with *AS/NZS 10002-2014 Guidelines for complaint management in organisations*, 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. 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.	Stakeholder and Community Engagement Manager Stakeholder and Community Engagement team Functional Manager(s)	Procedures delivered and verified in CCEP
Enquiries and complaints are recorded, acknowledged, and resolved in a timely manner as per EPR EMF4.	**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: 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. Spark Contractors will ▪ 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	Stakeholder and Community Engagement Manager Stakeholder and Community Engagement team Functional Manager(s)	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)	Key Contributor	Deliverables
	cannot be resolved or if not directly relevant to the works. 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. As per the project scope requirements, all complaints will include: ▪ names (where provided); ▪ contact details (where provided); ▪ time and date of enquiry; ▪ nature of enquiry; and ▪ response provided; The Principal Package team will notify the State within 2 hours of receiving or becoming aware of any: ▪ Significant community and Stakeholder issues related to the Works (including issues that will likely lead to impacting the project's reputation and safety matters); ▪ Enquiries that may affect the projects reputation; ▪ Complaints received, including the information collected on the Consultation Manager Stakeholder Management Database as set out in section 11.6(b), as well as: ◦ The location to which the complaint relates; and ◦ The method of contact; and ◦ Always comply 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 Principal Contractor.		

7 Spark Environmental Management System

The Spark EMS for the Primary Package is certified and implemented to the standard AS/NZS ISO 14001:2016 Environmental management systems, in compliance with the requirements of the EMF.

The Spark EMS (Figure 8) follows the standard Plan-Do-Check-Act approach to environmental management.

Plan: Establish environmental objectives and processes necessary to deliver NEL. Spark has extended the objectives, targets, and risk mitigation measures in the EES into the Spark EMS. This process ensures the objectives of the State and Spark are aligned through all phases of the Project.

Do: Execute the Project as planned and in accordance with the EPRs and objectives and targets.

Check: Monitor the processes and procedures against the objectives and targets and report findings and recommendations.

Act: Update processes in response to monitoring activities, non-conformances, and recommendations.

Figure 8: Spark Environmental Management System Framework

Spark's EMS for the Primary Package comprises a hierarchy of the Spark Environmental Strategy, CEMP, WEMP and environmental procedures to effectively mitigate risk and monitor environmental performance and compliance at every level of construction.

7.1 Environmental Strategy

The Environmental Strategy outlines the approach which will be implemented to ensure compliance with the NEL Project environmental requirements including environmental laws, project approvals, approval conditions and the EPRs relevant to the Primary Package, which will be implemented through the CEMP and other management documents (e.g., WEMP, Urban Design and Landscape Plans).

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

- A summary of key approvals applicable to the NEL Project and how these are complied with and managed.
- A summary of each EPR and how these will be complied with including proposed actions, timing, consultation, proposed management plans and evidence of compliance (a summary is provided in Section 3.8 of this plan and in Table 11).
- An overview of the management documents that will be prepared to support the implementation of this plan and other environmental documentation.

7.2 Construction Environmental Management Plan (CEMP)

The Spark CEMP has been prepared to manage the environmental risks from construction activities related to the Primary Package. All works within this plan shall be undertaken in accordance with the CEMP.

The CEMP includes environmental management sub plans that detail the measures that will be undertaken for the Primary Package to address the applicable EPRs for environmental management during construction.

The environmental management requirements of the CEMP and sub plans will be implemented to address relevant localised requirements of each construction compound, including through the preparation and implementation of Worksite Environmental Management Plans (WEMPs). The WEMPs will cover each construction compound and the relevant construction activities that are supported by the compounds. Implementation of the WEMPs is supplemented by Spark environmental management procedures. These procedures include environmental inspection checklists that will be applied to monitor the installation and maintenance of environmental controls for each construction compound, in accordance with environmental controls and mitigation measures of the CEMP, and environmental management sub plans. This will also be conducted to monitor compliance of the applicable EPRs (as listed in Table 10 and in Table 11).

Throughout the implementation of the Primary Package, project environmental monitoring, auditing, and performance reporting shall be conducted as directed by the requirements prescribed in the CEMP.

7.3 Environmental Management Framework (EMF)

The EES includes an EMF and 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 compound works, and outlines the accountabilities for the delivery and monitoring of implementation of the EPRs.

7.4 Worksite Environmental Management Plan (WEMP)

A WEMP is prepared in line with specific construction work packages and are subordinate to the Construction Environmental Management Plan. They are supported by Site Environment Plans (SEPs) which describe how environmental aspects and impacts will be managed at each area of site for each construction activity or stage. A Site Environment Plan (SEP) will be prepared for each work stage identifying relevant work activities prior to works commencing.

7.5 Independent Review and Environmental Auditor (IEA)

EPR EMF3 ‘Audit and report on environmental compliance’ requires that an Independent Review and Environmental Auditor (IEA) be 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, EPRs, WEMP, and Incorporated Document. The IEA will provide verification that this CCP complies with the requirements of these approvals and documents.

The IEA needs to verify all instances of Unavoidable works as defined in EPR NV3.

Appendix A contains the IEA verification for this plan.

These requirements, and other EPR related plans which may be applicable to this CCP, are addressed in the Worksite Environmental Management Plan (WEMP) applicable to this works area. The WEMP details the specific requirements and controls to avoid and mitigate environmental impacts resulting from the Construction Compound activities

8 Review

A Spark internal review of this plan will be conducted as required or when specifically directed by the State or when there is a major change in compound facilities and/or operations that arises increased environmental risk. This is to ensure consistency of the works with the details and management procedures outlined in this plan.

Additionally, this plan will be reviewed in accordance with the CEMP.

Any update to the CCP will be subject to the satisfaction of the Minister for Planning

Appendix A. IREA Verification

APP Corporation Pty Limited
Level 7, 420 St Kilda Road
Melbourne VIC 3004

Arup Australia Projects Pty Ltd
C/- Boroughs, Level 6,
77 Castlereagh Street,
Sydney, NSW 2000

Aurecon Australasia Pty Ltd
Level 8, 850 Collins Street,
Docklands, VIC, 3008

Reference: TX-CNT-AAA-01234

Wednesday, 26 October 2022

Jim Waller
Chief Operating Officer
North East Link Project
Level 13, 121 Exhibition Street, Melbourne VIC 3000

Paul Yerondais
Chief Executive Officer
Spark North East Link Pty Limited as trustee of the Spark North East Link Trust
Level 14, Tower Three
International Towers Sydney, Exchange Place 300 Barangaroo Ave
Barangaroo NSW 2000

Dear Jim and Paul,

Re: Review and verification of Manningham Construction Compound Plan (CCP) - SEM Compound

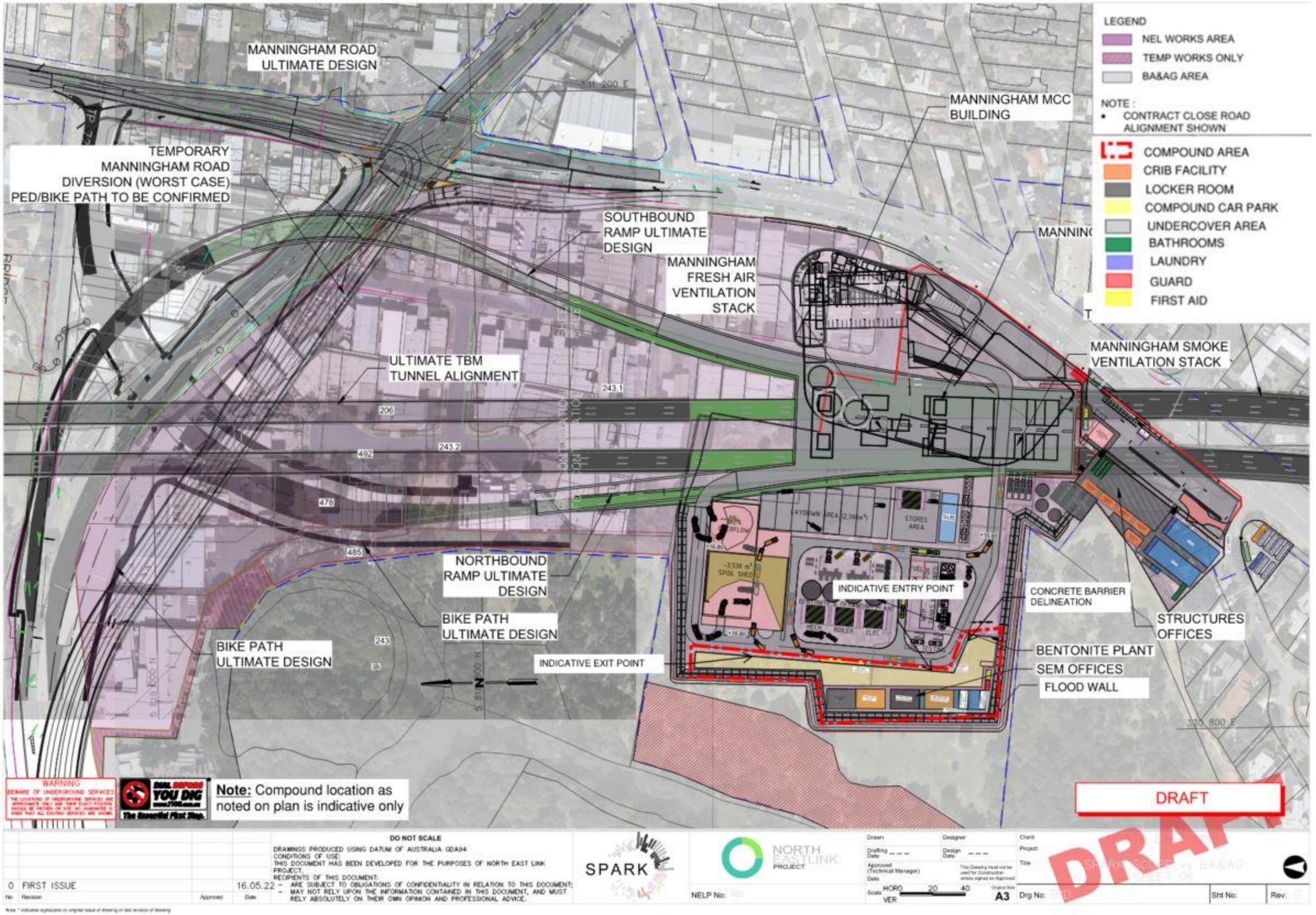
The IREA has reviewed the Manningham Construction Compound Plan (CCP) - SEM Compound (NEL-CNT-SDC-2990-EPA-PLN-0007) Rev 0.01 in accordance with the PSDR Part F1 Section 1.11.

It is our opinion that the Construction Compound Plan complies with the Environmental Requirements and the Project Documents for the defined scope of works.

Yours sincerely,

David Baigent
IREA Project Director
AAAJV

Appendix B. Full Manningham Construction Site


MANNINGHAM ROAD ULTIMATE DESIGN
TEMPORARY MANNINGHAM ROAD DIVERSION (WORST CASE) PED/BIKE PATH TO BE CONFIRMED
SOUTHBOUND RAMP ULTIMATE DESIGN
MANNINGHAM FRESH AIR VENTILATION STACK
ULTIMATE TBM TUNNEL ALIGNMENT
NORTHBOUND RAMP ULTIMATE DESIGN
BIKE PATH ULTIMATE DESIGN
BIKE PATH ULTIMATE DESIGN
INDICATIVE EXIT POINT
MANNINGHAM MCC BUILDING
MANNINGHAM SMOKE VENTILATION STACK
INDICATIVE ENTRY POINT
CONCRETE BARRIER DELINEATION
STRUCTURES OFFICES
BENTONITE PLANT
SEM OFFICES
FLOOD WALL
LEGEND
NEL WORKS AREA
TEMP WORKS ONLY
BA&AG AREA
NOTE :
CONTRACT CLOSE ROAD ALIGNMENT SHOWN
COMPOUND AREA
CRIB FACILITY
LOCKER ROOM
COMPOUND CAR PARK
UNDERCOVER AREA
BATHROOMS
LAUNDRY
GUARD
FIRST AID
Note: Compound location as noted on plan is indicative only
DRAFT
DO NOT SCALE
0 FIRST ISSUE 16.05.22