

Sydenham to Bankstown Upgrade – Staging Report



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1	7 May 2019	Final	Compliance with Sydenham to Bankstown Upgrade Condition of Approvals A12 to A15	SM Environment Manager, City & Southwest	SM Director of Planning, Environment & Sustainability, City & Southwest
2	2 Jul 2019	Final	Clarification of allocations in appendices relating to the Community Communications Strategy and CEMP/CEMF requirements	SM Environment Manager, City & Southwest	SM Director of Planning, Environment & Sustainability, City & Southwest
3	29 Jul 2019	Final	Updates to Section 4 in response to the Secretary's comments.	SM Environment Manager, City & Southwest	SM Director of Planning, Environment & Sustainability, City & Southwest
4	16 Oct 2020	Final	Updates to Section 3 and Appendix A, B and C to reflect Southwest Metro Delivery Strategy. Minor administrative updates throughout.	SM Environment Manager, City & Southwest	SM Director of Planning, Environment & Sustainability, City & Southwest
5	5 Aug 2021	Final	Updates to Section 3 and Appendix A, B and C to reflect the addition of Bankstown Early Works scope to the SMC stage	SM Environment Manager, City & Southwest	SM Director of Planning, Environment & Sustainability, City & Southwest
6	13 May 2022	Final	Updates to Table 1, Section 2.3.1.1, Section 3, Table 5 and Appendix A, B and C to reflect the addition of Bankstown and Additional Corridor Works scope to SMC Stage. Updates to Table 4, Section 3.1.2 to reflect revised construction completion dates.	SM Environment Manager, City & Southwest	SM Director of Planning, Environment & Sustainability, City & Southwest
7	30 May 2023	Final	Updates to Section 3.1.2 construction end dates and Section 3.2.3 Southwest Metro Corridor scope.	SM Environment Manager, City & Southwest	SM Director of Planning, Environment & Sustainability, City & Southwest
8	10 July 2024	Final	Updates to Section 3.1 Overview, 3.12 Indicative timing, 3.2 Construction Stages & Table 5 Applicability to each stage to include SMC additional work, the SWM3 Stage and the EHVMT stage	SM Environment Manager, City & Southwest	SM Director of Planning, Environment & Sustainability, City & Southwest
8.1	26 July 2024	Final	Address DPHI's comments	SM Environment Manager, City & Southwest	SM Director of Planning, Environment & Sustainability, City & Southwest

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1. Definitions and Abbreviations

All terminology in this report is taken to mean the generally accepted or dictionary definition, except where defined in any applicable planning approvals. Relevant acronyms, abbreviations and terms used throughout this report are explained in Table 1.

Table 1: Acronym, Abbreviation and Term Explanations

Acronym	Definitions
BEW	Bankstown Early Works
C&SW	City & Southwest
C2S	Chatswood to Sydenham
CBD	Central Business District
CEMF	Construction Environmental Management Framework
CEMP	Construction Environmental Management Plan
CIDS/ODS	Corridor Intrusion Detection System/Object Detection System
CoA(s)	Condition(s) of Approval
Construction	As per the definition provided in the S2B planning approval
CSSI	Critical State Significant Infrastructure
CTMP	Construction Traffic Management Plan
CMTRP	Compliance Monitoring/Tracking & Reporting Program
DCP	Dulwich Hill, Campsie and Punchbowl Station Upgrades
EHVMT	Errant and Hostile Vehicle Mitigation Treatments
EIS	Environmental Impact Statement
EP&A Act	Environmental Planning and Assessment Act 1979 (NSW)
ER	(Independent) Environmental Representative
HBW	Hurlstone Park, Belmore and Wiley Park Station Upgrades
LW	Line-Wide
Low-Impact Works	Works that are not defined as 'Construction' in accordance with the definition of 'Construction' provided in the S2B planning approval conditions
MCL	Marrickville, Canterbury and Lakemba Station Upgrades
NRT	Northwest Rapid Transit
OTS	Operations, Trains and Systems
QX	Quarter X
REF	Review of Environmental Factors
REMM(s)	Revised Environmental Mitigation Measure(s)
Secretary	The Secretary of the NSW Department of Planning, Housing & Infrastructure
S2B	Sydenham to Bankstown Upgrade
SMEW	Southwest Metro Early Works
SM	Sydney Metro
SMC	Southwest Metro Corridor
SMP	Sustainability Management Plan

Acronym	Definitions
SSC	Southwest Stations & Corridor
SWM3	Southwest Metro (Package 3)
TfNSW	Transport for New South Wales
TSOM	Trains, Systems, Operations and Maintenance
WFDIP Plan	Workforce Development and Industry Participation Plan

2. Introduction

2.1. Purpose of this Report

This report has been prepared and structured to address the Staging Report requirements of Conditions of Approval (CoA) A12 to A15 of the Sydenham to Bankstown Upgrade (S2B) planning approval. Updates to this report will be made as required, particularly following any changes to the delivery strategy (refer to Section 3) and any modification approvals.

The Chatswood to Sydenham Staging Report requirements are addressed in a separate document – the [Chatswood to Sydenham Staging Report](#).

Table 2 cross-references sections in this report that address each applicable CSSI planning approval requirement relating to the Staging Report.

Table 2: Staging Report Planning Approval Condition Cross-References

Planning Approval Condition	Condition Requirement(s)	Staging Report Section
S2B – CoA A12	The CSSI [Critical State Significant Infrastructure] may be constructed and operated in stages. Where staged Construction or Operation is proposed, a Staging Report (for either or both Construction and Operation as the case may be) must be prepared and submitted to the Planning Secretary for information. The Staging Report must be submitted to the Planning Secretary no later than one (1) month before the commencement of Construction of the first of the proposed stages of Construction (or if only staged Operation is proposed, one (1) month before the commencement of Operation of the first of the proposed stages of Operation).	The S2B project is being constructed in stages but not operated in stages. This report has been prepared and Revision 1 was submitted to the Planning Secretary for information in May 2019. The first stage under the S2B approval is SMEW, which commenced construction on the 1 August 2019.
S2B – CoA A13	The Staging Report must:	This report.
S2B – CoA A13(a)	If staged Construction is proposed, set out how the Construction of the whole of the CSSI will be staged, including details of Work and other activities to be carried out in each stage and the general timing of when Construction of each stage will commence and finish	Section 3.
S2B – CoA A13(b)	If staged Operation is proposed, set out how the Operation of the whole of the CSSI will be staged, including details of Work and other activities to be carried out in each stage and the general timing of when Operation of each stage will commence	No staged operation is proposed. Refer to Section 0.
S2B – CoA A13(c)	Specify the relevant conditions of approval that apply to each stage and how compliance with conditions will be achieved across and between each of the stages of the CSSI	Appendix A. The majority of the CoAs are fully applicable for each stage, unless specified otherwise within the Appendix A allocations. Furthermore, the Sydney Metro C&SW Compliance Monitoring/Tracking & Reporting Program report outlines how compliance with CoAs will generally be achieved.
S2B – CoA A13(d)	Set out mechanisms for managing any cumulative impacts arising from the proposed staging	Section 3.1.4.

2.2. Background

The NSW Government is implementing Sydney's Rail Future (Transport for NSW, 2012a) – a plan to transform and modernise Sydney's rail network so that it can grow with the city's population and meet the needs of customers in the future.

Sydney Metro is a new standalone rail network identified in Sydney's Rail Future. This 21st century network will deliver new metro stations and more than 88km of new metro rail for Australia's biggest city – revolutionising the way Sydney travels.

Sydney Metro currently comprises of four projects, all of which have been identified by the NSW Government as priority projects:

- **Northwest** (formerly North West Rail Link) – a 36 kilometre project that commenced operations in May 2019 with a metro train every four minutes in the peak.
- **City & Southwest** – a 30 kilometre metro line extending metro rail from the end of Sydney Metro Northwest at Chatswood, under Sydney Harbour, through new Central Business District (CBD) stations and southwest to Bankstown. The City portion is due to open in 2024 and the Southwest portion is due to open in 2025 with ultimate capacity to run a metro train every two minutes in the peak.
- **West** – the next significant railway infrastructure investment proposed to be delivered by 2030. This project would link the CBDs of Parramatta and Sydney and communities along the way.
- **Greater West** – a new railway line to service Greater Western Sydney and the new Western Sydney Airport. The railway is to be operational when new Western Sydney International (Nancy-Bird Walton) Airport opens for passenger services. The railway will include a station at St Marys to allow customers to interchange with the rest of Sydney's rail network.

Figure 1 provides a map of the four Sydney Metro project alignments.

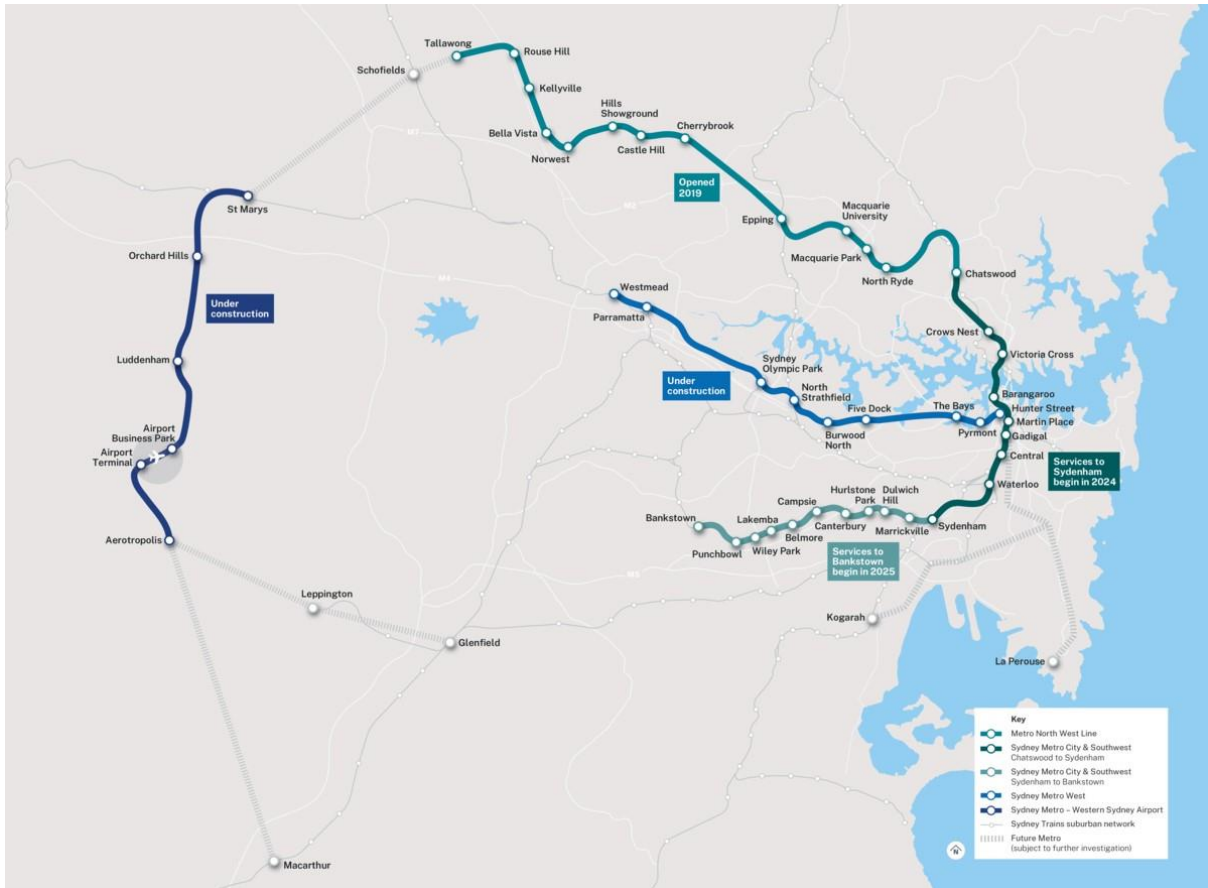


Figure 1: Sydney Metro Project Alignments

2.3. City & Southwest Project Planning Approvals

The City & Southwest (C&SW) project has been declared as a Critical State Significant Infrastructure (CSSI) project by the NSW Minister for Planning. Works within this declaration require planning approval as a CSSI project under the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act). Works outside the declaration require separate planning approval under the EP&A Act.

2.3.1. CSSI Planning Approvals

The C&SW project comprises two core components that are each subject to the CSSI planning approval pathway:

- **Chatswood to Sydenham** – which covers the construction and operation of the Sydney Metro railway between Chatswood and Marrickville. This includes the delivery of 7 new metro stations and 15.5 kilometres of twin railways tunnels from Chatswood, beneath Sydney Harbour and the Sydney CBD, to Marrickville. The Chatswood to Sydenham (C2S) component was subject to the *Chatswood to Sydenham Environmental Impact Statement* (EIS) and was granted planning approval on 9 January 2017.
- **Sydenham to Bankstown** – which covers the construction and operation of the Sydney Metro railway between Marrickville and Bankstown Stations. This includes the upgrading of 13.5 kilometres of the Sydney Trains T3 Bankstown Line between the Marrickville and Bankstown Stations. This component was subject to the *S2B EIS and S2B Submissions and Preferred Infrastructure Report* and was granted planning approval on 12 December 2018.

Over-station developments are subject to separate State Significant Development planning approval processes.

This Staging Report covers the S2B planning approval scope of works. Separate Staging Reports will be prepared to address any Staging Report requirements following determination of any subsequent project planning approvals.

2.3.1.1. Sydenham to Bankstown Upgrade Modifications

To date, there has been one application made to modify the S2B planning approval. A modification report (Modification 1) for the SWM Project was prepared by Sydney Metro (May 2020) and placed on public exhibition from 21 May 2020 to 4 June 2020. A Submissions Report was prepared by Sydney Metro (September 2020) in response to the submissions received during the modification report exhibition period. The SWM Project Modification was determined by the Minister for Planning on 22 October 2020.

2.3.2. Exempt Development

The C&SW project is also subject to a small amount of work that is undertaken as 'exempt development' under the EP&A Act. Due diligence and environmental assessments of exempt development works are undertaken by Sydney Metro and its contractors.

An example of exempt development works on the C&SW project is the construction and operation of the White Bay truck marshalling facility.

3. Stages

3.1. Overview

Sydney Metro continues to refine the C&SW project delivery strategy following feedback received from stakeholder and industry consultation. The project’s delivery strategy outlines how Sydney Metro will engage with the market to deliver the project in consideration of sequencing, timing and duration, geographic presence, funding, risk, construction methodology and market-related constraints.

The C&SW S2B stages are:

- Southwest Metro Early Works (SMEW);
- Line-Wide (LW);
- Southwest Metro Corridor (SMC), including Bankstown Station early works (BEW); S2B station works (PC+ Scope); Southwest Metro Conversion and Station Work Package 1 & 2 (SWM1 & 2) and SMC additional Works;
- Southwest Metro Station Upgrades;
 - Marrickville, Canterbury and Lakemba Station Upgrades (MCL);
 - Dulwich Hill, Campsie and Punchbowl Station Upgrades (DCP); and
 - Hurlstone Park, Belmore and Wiley Park Station Upgrades (HBW).
- Trains, Systems, Operations and Maintenance (TSOM);
- Southwest Metro Conversion and Station Work Package 3 (SWM3); and
- Errant and Hostile Vehicle Mitigation Treatments (EHVMT);

Staged operation is not being proposed. The TSOM stage is the only stage of the project with an operational component (i.e. the project comprises of one operational stage only).

3.1.1. Relationships between Planning Approvals and S2B Stages

Table 3 outlines the applicability of the C&SW CSSI planning approvals to each of the S2B stages.

Table 3: Applicability of Planning Approvals to S2B Stages

Planning Approval	SMEW	LW	SMC/ & Additional Works	MCL	DCP	HBW	TSOM	EHVMT	SWM3
Sydney Metro Trains Facility		✓					✓		
Chatswood to Sydenham		✓					✓		
Sydenham to Bankstown Upgrade	✓	✓	✓	✓	✓	✓	✓	✓	✓

3.1.2. Indicative Timing

The first S2B Stage (SMEW) started construction on the 1 August 2019. Construction will continue on S2B until operations commence in 2025. Table 4 provides an indicative construction timeframe for each S2B Stage.

Table 4: Indicative Timeframes for each S2B Stage (timings subject to change)

Stage	Construction Commencement Date (bold indicates completed dates) <i>(italics indicates indicative future dates that are subject to change)</i>	Construction Completion Date (bold indicates completed dates) <i>(italics indicates indicative future dates that are subject to change)</i>
SMEW	August 2019	December 2021
LW	May 2019	<i>Q1 2024</i>
SMC/Additional Works	March 2021	<i>Q4 2024</i>
MCL	March 2021	<i>Q3 2024</i>
DCP	April 2021	<i>Q3 2024</i>
HBW	April 2021	<i>Q3 2024</i>
EHVMT	September 2024	<i>Q4 2025</i>
SWM3	September 2024	<i>Q4 2025</i>
TSOM	<i>N/A*</i>	<i>Testing and Commissioning Q3/Q4 2025</i>

* Note - current delivery strategy for the TSOM contract is they will work under the relevant Principal Contractor's environmental management plans until construction completion excluding for testing and commissioning works

3.1.3. Works outside of Stages

Some C&SW works will be undertaken outside of the stages identified or as 'exempt development' in accordance with Section 76(2) of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act).

Where works are undertaken outside of the stages identified but still subject to CSSI planning approvals, these 'Low Impact Activities' will not be defined as 'Construction' in accordance with the definition of 'Construction' provided in the applicable planning approval. Unless the Low Impact Activities have already commenced, the Low Impact Activities described in this definition become Construction with the approval of a Construction Environmental Management Plan.

Low Impact Activities will only occur after the following activities have been undertaken:

- Consideration of relevant regulatory requirements,
- Identification of relevant CoAs and REMMs, and
- Preparation of a Pre-Construction Low Impact Activities Application by the relevant contractor and approval by Sydney Metro to confirm that the works do not represent 'Construction' in accordance with the applicable planning approval. This application must include (as a minimum):
 - A detailed description of the proposed works,
 - An environmental risk assessment (including identification of actual and potential environmental impacts),
 - Identification of mitigation measures to be implemented to address any actual or potential environmental risks and/or impacts (including details on community consultation relevant to the works),
 - An Environmental Control Map (ECM), and
 - Endorsement by the Environmental Representative (ER) as necessary in accordance with the definition of 'Construction' in the applicable planning approval.

3.1.4. Cumulative Impacts

No cumulative impacts are expected to be generated as a result of the proposed staging of the project (i.e. there are not expected to be any cumulative impacts generated as a result of delivering the project through multiple stages / contractors, compared to delivering the project through one stage / contractor).

Cumulative impacts which may occur as a result of the project being constructed concurrently with other projects being constructed in nearby areas will be managed through compliance with REMM CI1. Cumulative noise and vibration impacts generated by Out of Hour works will be managed in accordance with the *Sydney Metro City & Southwest Out of Hours Work Strategy / Protocol* and associated *Sydney Metro Out of Hours Work Application Form*.

3.2. Construction Stages

3.2.1. Southwest Metro Early Works (SMEW)

The SMEW Stage covers:

- Utility and geotechnical investigations,
- Site establishment activities,
- Installation of a combined services route (CSR) trough,
- Embankment stabilisation activities, and
- Installation of some corridor boundary fencing.

The SMEW Stage was awarded to the John Holland Laing O'Rourke Joint Venture in Q4 2018. Low-impact activities commenced and continued until construction commenced 1 August 2019. Construction was completed in Q1 2021.

3.2.2. Line-Wide (LW)

The LW Stage covers:

- Bulk power supply between Canterbury and Campsie,
- Station control systems, overhead line and traction supply, and
- Electrical sub-stations.

The LW Stage was awarded to Systems Connect on 21 November 2018. Systems Connect is an unincorporated joint venture between CPB Contractors and UGL. Following the award date, low impact activities commenced and continued until construction commenced 7 May 2019 (on SSI 7400). Construction is expected to be completed in Q1 2024.

3.2.3. Southwest Metro Corridor, PC+ Scope (SMC)

The SMC works include the following activities within the Sydenham to Bankstown corridor;

- Installation of services in the CSR trough,
- Utility relocations,
- Installation of segregation and corridor security fencing,
- Construction of retaining walls and associated earthwork activities, and
- Installation of track, rail infrastructure and drainage works.

The SMC Stage was awarded to the John Holland Laing O'Rourke Joint Venture (JHLOR JV) in Q4 2020. Following the award date, low-impact activities were undertaken until construction commenced in Q1 2021. Construction is expected to be completed in Q4 2024.

In Q3 2021, the SMC Stage was expanded to include the BEW scope. Low impact activities associated with BEW were undertaken in Q3 2021 until construction commenced in Q4 2021.

The early works included the following activities at or in the vicinity of Bankstown Station:

- Installation of CSR and fencing;
- Installation of drainage infrastructure;
- Vegetation removal;
- Service and geotechnical investigations;
- Construction of a services building
- Construction of a new Sydney Metro 'down' platform to the east of the new at-grade crossing (to be built as part of the BSW Stage)
- Utility relocations;
- Track works;
- Removal of existing Sydney Trains 360 Crossover; and
- Adjustments to existing overhead wiring.

From Q3 2023 and for a period of approximately one year, JHLORJV was awarded a smaller package of work (PC+ Scope) in which the SMC project area will be extended to include all station precincts along the S2B alignment from Bankstown Station through to Marrickville Station. This arrangement is primarily logistical in nature and has been proposed to allow other Contractors on the Project to undertake necessary works under a single Principal Contractor. This will coincide with the gradual cessation of works under MCL, DCP and HBW by HSE JV and DTI respectively (Refer to Section 3.2.4). During this stage of works, LW and TSOM will undertake their works as detailed in section 3.2.5 and 3.2.2 of this staging report, however JHLOR JV will also undertake additional minor works under the SWM1 & SWM2 while continuing SMC works and occupying the station precincts. Key activities proposed to occur by JHLOR JV at the station precincts will include:

- ULX Rectification works
- Bracket install on station platforms
- Secondary containment works
- Provision of site facilities for TSOM/LW at the station precincts
- Vegetation Management along GST routes
- Provision of support for TSOM/LW – including ramps, access, lighting etc.
- General maintenance and support works – including dewatering of pits, fencing, traffic management, crew support.

Given SMC contractor has been awarded the SWM3 works, the existing CEMP and sub-plans under the SMC stage will cover the above scope of work as well as the SMC Additional Works (listed below). Following ER endorsement and DPHI approval of the CEMP and sub-plans for the SWM3 package, the SWM3 CEMP and sub-plans will come into force, and the SMC CEMP and sub-plans will become obsolete. Any remaining works not completed under the SMC stage will be incorporated into the SWM3 CEMP and sub-plans. SMC Additional Works comprise of the following;

- Sydney Trains Bankstown Works

- Demolition of Amenity Block
- Demolition of Parcel Building
- Installation of OHW footings
- Diversion of existing stormwater track drainage and services
- Southwest Corridor Works
 - boundary fencing and associated vegetation management
 - track monitoring
- Assets Upgrades
 - Infringement and track rectification
 - Bridge upgrades renewals
 - Civil asset upgrade renewal
- Utility works
- Local area works including modification, reinstatement of public space, roads and pedestrian way
- Property works comprises permanent adjustments to existing private properties

3.2.3.1. Corridor Intrusion Detection System (CIDS) and Object Detection System (ODS)

The CIDS/ODS Stage was awarded to UGL in July 2023 and includes the installation of fibre optic cables on fencing across the rail corridor and on overbridges in addition to the installation of multiple security cameras to enable visual monitoring of the full alignment. The system will detect any intrusions or objects in the controlled area sending an alarm to the operational control centre. Should an intrusion or object be detected the system will alert the operator who will then review the intrusion/ object to determine if any action should be taken. Some vegetation is required to be removed where they cause blind spots to the security cameras to ensure full visibility of the alignment. The current delivery strategy is that the CIDS/ODS stage will work under SWM3 environmental management plans. CIDS/ODS is required to provide relevant information only to JHLOR to meet their obligations required by relevant conditions.

3.2.4. Southwest Metro Station Upgrades (MCL / DCP / HBW)

The Southwest Metro Station Upgrade Stages (MCL / DCP / HBW) cover the following activities at Marrickville to Punchbowl Stations:

- Re-levelling of platforms,
- Construction and installation of new lifts,
- Installation of emergency egress ramps,
- Refurbishment / Repurposing of station buildings on platforms and/or at station entrances,

- Signage and wayfinding installation,
- Enhancements to footpaths, paving and lighting in the vicinity of station entrances, and
- Landscaping and installation of street furniture.

The Marrickville, Canterbury and Lakemba (MCL) Stage was awarded to the Haslin and Stephen Edwards Constructions Join Venture (HSEJV) in Q4 2020. Following the award date, low-impact activities were undertaken until construction commenced in Q1 2021. Construction is expected to be completed in Q3 2023.

The Dulwich Hill, Campsie and Punchbowl (DCP) Stage and the Hurlstone Park, Belmore and Wiley Park (HBW) Stage were awarded to DTI in Q1 2021. Following the award date, low-impact activities were undertaken until construction commenced in Q2 2021. Construction is expected to be completed in Q3 2024.

3.2.5. Trains, Systems, Operations and Maintenance (TSOM)

The TSOM stage was awarded to OpCo2 on 4 December 2019 to deliver systems packages under MTR and operations and maintenance packages under MTS.

The Operations, Trains and Systems (OTS2) delivery and operations obligations are passed through to the Core Contractors under a Public Private Partnership (PPP) structure. OpCo2 has engaged the following Core Contractors:

- The Integrator (MTR) will deliver the systems packages relating to dynamic testing which includes control and communication systems, radio communications, trains and signalling for Sydney Metro City and the Sydney Metro Southwest sections, as well as platform screen doors and platform edge barriers on the Sydney Metro City section; and
- the operate and maintain “O&M” Contractor (MTS) is to operate and maintain the Sydney Metro system.

3.2.5.1. The Integrator (MTR)

The current delivery strategy is for MTR to work under the relevant Principal Contractors environmental management plans for their site activities as it relates to the delivery of systems packages. While a condition allocation has been undertaken in this report, in most cases MTR will be required to provide relevant information only to the Principal Contractor or Sydney Metro to meet their obligation required by that condition. This stage includes the following phases:

- Low speed testing up to 25km/h includes kinematic envelope and train tracking (manually driven train)
- Low speed testing up to 25km/h– intelligent train verifying signalling control (driver onboard moves from controlled to automatic)
- High speed testing up to 100km/h – Return to manually driven train for checks and moving into intelligent train at high speed.

3.2.5.2. The O&M Contractor (MTS)

This stage (Testing and commissioning) involves using high speed multiple trains with several intelligent trains. It involves running a full timetable service that replicates the Metro service prior to the first passenger service. This testing and commissioning will include real-life scenarios with station staff, test passengers, station announcements and the like to replicate and test the operational scenario. Maintenance activities would also occur as if the railway were fully operational.

It is anticipated that testing and commissioning works, which will occur as part of construction immediately prior to operation, could be assessed low impact if determined by ER to be minimal impact. Hence, a CEMP for these activities would not be required due to risk level of activities under this phase. However, if the ER does not determine the impact to be minimal, a CEMP would be prepared to manage the impacts during testing and commissioning stage.

3.2.6. Errant and Hostile Vehicle Mitigation Treatments (EHVMT)

The EHVMT stage will provide treatments at vulnerable locations between Sydenham and Bankstown where there is an opportunity for errant or hostile vehicles to access the alignment.

Generally, EHVMT project includes:

- errant vehicle treatments consisting of:
 - Eight (8) station overbridge barriers;
 - Seven (7) non-station road-over-rail overbridge barriers; and
 - 76 non-bridge barriers;
- hostile vehicle mitigation (HVM) treatments to eight (8) station precincts;
- road upgrades (kerbside ramps) at Wiley Park;
- fencing, finishing works and other streetscaping elements across various locations

Stations that will have precinct works undertaken as part of the EHVMT are as follows:

- Wiley Park Station
- Belmore Station
- Canterbury Station
- Hurlstone Park Station
- Punchbowl Station
- Lakemba Station
- Dulwich Hill Station Marrickville Station

This package of works consists of two contracts including an early contractor involvement contract (to undertake low impact investigatory work) and a design and construct contract. Both contracts were awarded to Martinus Rail in January 2024 and April 2023 respectively. Low-impact investigation activities commenced in Q1 2024 with construction expected to commence in Q3/Q4 2024. Construction of this stage is expected to be completed in Q3/Q4 2025.

3.2.7 Southwest Metro Conversion and Station Works Package 3 (SWM3)

In May 2024 JHLORJV was awarded the Southwest Metro Conversion and Station Works Package 3 to prepare the Sydenham to Bankstown alignment for operation. The majority of

these works are largely consistent with the SMC scope of works and will be undertaken during the final metro conversion period. The works generally include the following activities. Construction of this stage is expected to be completed in Q3/Q4 2025.

- Bankstown Station and Precinct
 - New, and modification to existing, infrastructure and systems to facilitate a new cross-corridor plaza between The Appian Way (north of the rail corridor) and Restwell Street (south of rail corridor) retail facilities and Station Precinct and Public Domain improvements
- Southwest Station and Corridor Works
 - Range of works to complete station upgrades
 - Corridor works including but not limited to corridor access stairs, screens fixed to CSR on bridges, veg management, acoustic treatment, boundary fencing, track monitoring
- Asset Upgrade Works
 - Infringement and track rectification
 - Bridge upgrades renewals
 - Civil asset upgrade renewal.
- Final Conversions
 - Sydenham junction final track configuration, fencing , wayfinding & signage (all stations), BMCS and lift conversions (Marrickville Station to Punchbowl Station)
 - Earthing bonding, alteration works, insulated rail joints, redundant asset works
 - Clean up work (final rail grind, final rail tamp, station refresh/deep clean)
 - Station meal room alterations at 9 stations (excluding Bankstown)
 - Fixed gap filler works
- ARTC Works
 - Temporary and permanent adjustments to ARTC operated and maintained infrastructure
 - Utility works
- Local area works including modification, reinstatement of public space, roads and pedestrian way, required for, or as a consequence of the SWM3 Contractor's Activities
- Property works comprises permanent adjustments to existing private properties required for, or as a consequence of the SWM3 Works and Temporary Works

3.3. Operation Stages

Staged operation is not being proposed.

The TSOM stage is the only stage of the project with an operational component (i.e. the project comprises of only one operational stage).

4. Compliance

The applicability of the S2B Conditions of Approval (CoAs) and Revised Environmental Mitigation Measures (REMMs) to each stage of the City & Southwest project have been assessed, allocated and confirmed. These allocations to each stage of the project are tabled in Appendix A and Appendix B respectively:

- Where a CoA or REMM has been determined to be applicable to a stage, it is defined as **Applicable** to that stage. This indicates that the CoA or REMM will be reviewed and assessed for compliance during the stage.
- Where a CoA or REMM is not applicable to the stage, it is defined as **Not Applicable**. This indicates that the CoA or REMM will not be reviewed and assessed for compliance during the stage.
- Where only part of a CoA or REMM is applicable to the stage, it is defined as **Partial**. This indicates that at least an element of the CoA or REMM will be reviewed and assessed for compliance during the stage (to the degree explained in Appendix A or Appendix B).

The CoA and REMM allocation is then further refined for relevance to the current scope of works during the development of the CEMP and sub-plans. Where a CoA or REMM is deemed not to be relevant to the current scope of works, this will be noted in the CEMP and/or relevant sub-plan/s.

In the event of a change to a stage's scope of works, the stage's applicable CEMP and sub-plans will be reviewed and updated as required based on the relevance of the applicable CoA and REMM to the stage. Where a plan is required to be updated, the updated document will be approved by either the ER (in accordance with Condition A26) or the Secretary (in accordance with Condition C2).

4.1. Construction Environmental Management Framework

Consistency in environmental management across each stage of the project will be achieved through the implementation of the *Sydney Metro S2B Construction Environmental Management Framework* (CEMF). The CEMF formed part of the *S2B EIS* and provides a linking document to CEMPs and Sustainability Management Plans (produced by contractors). A link to the CEMF contained in the EIS is provided in Appendix C.

The CEMF details the environmental, stakeholder and community management systems and processes to be implemented throughout construction of the project. More specifically, it details:

- The Sydney Metro requirement standards of:
 - CEMPs and sub-plans,
 - Construction Traffic Management Plans (CTMPs) as stand-alone documents (refer to Section 4.1.2),
 - Sustainability Management Plans (SMPs) and sub-plans,
 - Workforce Development and Industry Participation Plans (WFDIPs), and
 - Other supporting documentation for each environmental management category (i.e. noise and vibration, visual amenity, etc.), and

- Minimum requirements for each environmental management category, consistent with the *Sydney Metro Environment and Sustainability Policy* and the *City & Southwest Sustainability Strategy*.

Compliance with the CEMF will help achieve the environmental performance outcomes for the project. These performance outcomes outline the broader objectives to be achieved by Sydney Metro in the design, construction and operation of the project.

4.1.1. Applicability to Stages

C&SW contractors are required to implement the CEMF to a degree that is appropriate to their associated stage's level of environmental risk. This 'appropriateness' has been determined by allocating a level of applicability of each section of the CEMF within each contractor's deed. Allocating applicability of each section of the CEMF allows for effective and efficient management of environmental issues, including an appropriate level of management of each environmental management category listed in the CEMF (refer to Sections 3.2(b) and 3.3(b) of the CEMF).

The allocation of each section of the CEMF to each stage is provided in Appendix C.

Table 5 indicates the applicability of the requirements relating to each CEMF environmental management category to each stage of the project. This includes for each environmental management category (from the highest risk level to the lowest risk level):

- Whether a stand-alone 'CEMP sub-plan', 'CTMP', 'SMP sub-plan' or 'WFDIP Plan' will be prepared.
- Whether the category risks will be addressed in the main CEMP/SMP document in the form of a procedure ('CEMP-P' or 'SMP-P'),
- Whether the category risks will be addressed in the main CEMP/SMP document only ('CEMP' or 'SMP'), or
- Whether the category risks are not applicable to the stage ('N/A').

This assessment was based on each stage's scope of work, relevant CoA and REMM requirements and the relevant environmental risks and impacts identified in the S2B EIS.

Table 5: CEMF Applicability to each Stage

CEMF Environmental Management Category	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM	EHVMT	SWM3
Waste / Spoil / Recycling *	CEMP / SMP	CEMP-P	SMP sub-plan	CEMP-P	CEMP-P	CEMP-P	N/A	CEMP-P	SMP sub-plan
Groundwater	CEMP	CEMP-P	CEMP	CEMP	CEMP	CEMP	N/A	CEMP-P	CEMP
Traffic	CoA E47 CTMP	CoA E47 CTMP	CoA E47 CTMP	CoA E47 CTMP	CoA E47 CTMP	CoA E47 CTMP	N/A	CoA E47 CTMP	CoA E47 CTMP
Noise & Vibration	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	N/A	CEMP sub-plan	CEMP sub-plan
Heritage	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	N/A	CEMP sub-plan	CEMP sub-plan
Flora & Fauna / Biodiversity	CEMP-P	CEMP-P	CEMP-P	CEMP-P	CEMP-P	CEMP-P	N/A	CEMP-P	CEMP-P
Visual Amenity	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	N/A	CEMP sub-plan	CEMP sub-plan
Carbon & Energy	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP	SMP	SMP	SMP sub-plan	SMP	SMP sub-plan
Materials	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP	SMP sub-plan
Soil & Water	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	N/A	CEMP-P	CEMP sub-plan
Air Quality	CEMP-P	CEMP-P	CEMP-P	CEMP-P	CEMP-P	CEMP-P	N/A	CEMP-P	CEMP-P
Workforce Development	WFDIP Plan	WFDIP Plan	WFDIP Plan	WFDIP Plan	WFDIP Plan	WFDIP Plan	N/A	WFDIP Plan	WFDIP Plan

* Refer to Section 4.1.2.

4.1.2. CEMP, CTMP, SMP and WFDIP Plan and Sub-Plan Structures

For the purposes of ensuring compliance with the planning approval conditions and structural consistency between the CEMF requirements and the CEMPs, CTMPs, SMPs, WFDIP Plans and associated sub-plans, the following structure is applied to all City & Southwest CEMPs, CTMPs, SMPs and WFDIP Plans:

- **Construction Environmental Management Plan**, which may comprise of:
 - Waste / Spoil / Recycling Management Sub-Plan *
 - Groundwater Management Sub-Plan
 - Noise and Vibration Management Sub-Plan
 - Heritage Management Sub-Plan
 - Flora and Fauna / Biodiversity Management Sub-Plan
 - Visual Amenity Management Sub-Plan
 - Soil and Water Management Sub-Plan
 - Air Quality Management Sub-Plan
- **Construction Traffic Management Plan** as a stand-alone document:
 - In accordance with CoA C3 and CoA E47, CTMPs are considered stand-alone documents and not sub-plans to the CEMP (nor the SMP).
- **Sustainability Management Plan**, which may comprise of:
 - Carbon and Energy Management Sub-Plan
 - Materials Management Sub-Plan
 - Waste / Spoil / Recycling Management Sub-Plan *
- **Workforce Development and Industry Participation Plan**, which may comprise of:
 - Aboriginal Participation Sub-Plan

* In accordance with the [C2S Staging Report](#), Waste (and Recycling) Management Sub-plans are a sub-plan to the SMP. Since the first version of the C2S Staging Report was finalised in March 2017, Sydney Metro's contractors that work under the C2S planning approval have drafted their CEMP and sub-plans in accordance with this structure. Under the S2B CoA C3(c) however, a Waste & Spoil Management Sub-plan is a sub-plan to the CEMP. Therefore, Sydney Metro has allowed flexibility for contractors to address spoil, waste and recycling matters under the CEMP, SMP or associated sub-plans, in accordance with the applicable planning approval conditions and staging report.

4.1.2.1. Reviews, Endorsements and Approvals

The plans referenced in Section 4.1.2 are subject to multiple reviews, endorsements and approvals in accordance with Table 6. The requirement for these plans to receive these reviews, endorsements and external approvals as indicated in Table 6 is to ensure consistency with the CEMF and CoAs C1, C2, C3, C7 and E47.

Table 6: Reviews, Endorsements and Approvals of Plans

Plan	Contractor's Internal Review & Approval	Sydney Metro Review	Government Agency / Stakeholder Consultation	ER Review & Endorsement prior to Implementation	ER Review & Endorsement prior to Secretary Submission	RMS Review & Approval	Secretary Review & Approval	Approval Authority for Minor/Administrative Updates
Construction Environment Management Plan	✓	✓	●		✓		✓	ER
Waste / Spoil / Recycling Management Sub-Plan *	✓	✓	✓		✓		✓	ER
Groundwater Management Sub-Plan	✓	✓	●	✓				ER
Noise & Vibration Management Sub-Plan	✓	✓	✓		✓		✓	ER
Heritage Management Sub-Plan	✓	✓	✓		✓		✓	ER
Flora & Fauna / Biodiversity Management Sub-Plan	✓	✓	●	✓				ER
Visual Amenity Management Sub-Plan	✓	✓	●	✓				ER
Soil & Water Management Sub-Plan	✓	✓	✓		✓		✓	ER
Air Quality Management Sub-Plan	✓	✓	●	✓				ER
Construction Traffic Management Plan	✓	✓	✓		●	N/A	Submit 1 st version to Secretary for info only	RMS
Sustainability Management Plan	✓	✓	●	●				N/A
Carbon & Energy Management Sub-Plan	✓	✓	●	●				N/A
Materials Management Sub-Plan	✓	✓	●	●				N/A
Workforce Development & Industry Participation Plan	✓	✓	●	●				N/A
Aboriginal Participation Sub-Plan	✓	✓	●	●				N/A

● At the discretion of Sydney Metro (i.e. not strictly a project requirement).

* Refer to Section 4.1.2.

4.2. Tracking

The tracking of compliance will be implemented in accordance with the Sydney Metro C&SW Compliance Monitoring/Tracking & Reporting Program (CMTRP) report. This report outlines various activities that are undertaken across the stages of the project in order to monitor compliance with the requirements of the project's CSSI planning approval CoAs, REMMs and other legal requirements.

Implementation of the CMTRP includes a biannual assessment of each planning approval requirement (CoAs and REMMs) that is relevant across each stage of the project. This assessment includes demonstration of how the requirement has been complied with and the status of its compliance (e.g. Compliant or Non-Compliant). These assessments include CoA A1, which requires compliance with the EIS, SPIR, all CSSI modification approvals and the CoAs.

4.2.1. Surveillance and Auditing

The CEMF requires contractors to undertake regular onsite environmental inspections to confirm the adequacy of all environmental mitigation measures. Furthermore, onsite environmental inspections are regularly undertaken and led by the Environmental Representative across all stages of the project and involve key staff from the contractor and Sydney Metro representatives. Environmental Representative led inspections provide professional independent surveillance, guidance and advice on environmental management activities onsite.

Environmental inspections are supported by a range of other activities, including:

- Environmental performance reporting,
- Environmental risk assessment reviews,
- Regular environment meetings between Sydney Metro and the contractors, in conjunctions with the Environmental representative,
- Bi-annual compliance reviews by the contractors and the Environmental Representatives,
- Environmental incident and non-compliance reporting,
- Environmental management documentation reviews and endorsements, and
- Internal, Sydney Metro or independent environmental auditing.

Appendix A – Applicability of S2B CoAs to each Stage

This table has been based on the latest version of the consolidated Sydenham to Bankstown Upgrade Conditions of Approval as issued by the NSW Minister for Planning on 12 December 2018.

CoA Topic	CoA	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EHVMT	SWM3	
General	A1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A4	Partial – With regard to CoA A4(d), to the extent of construction activities only.	Partial – With regard to CoA A4(d), to the extent of construction activities only.	Partial – With regard to CoA A4(d), to the extent of construction activities only.	Partial – With regard to CoA A4(d), to the extent of construction activities only.	Partial – With regard to CoA A4(d), to the extent of construction activities only.	Partial – With regard to CoA A4(d), to the extent of construction activities only.	Partial – With regard to CoA A4(d), to the extent of construction activities only.	Applicable	Partial – With regard to CoA A4(d), to the extent of construction activities only.	Partial – With regard to CoA A4(d), to the extent of construction activities only.
	A5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	A6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	A7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	A8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	A9	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	A10	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable
	A11	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Staging	A12	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A13	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A14	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A15	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
Ancillary Facilities	A16	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A17	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
Ancillary Facilities – Use of Ancillary Facilities	A18	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
Ancillary Facilities – Minor Ancillary Facilities	A19	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
Ancillary Facilities – Boundary Screening	A20	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A21	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
Environment Representative	A22	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A23	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A24	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A25	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A26	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A27	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	A28	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
A29	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	

CoA Topic	CoA	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EHVMT	SWM3
Compliance Monitoring & Reporting Program	A30	Applicable – SM will produce one pre-construction report and update Appendix A for each stage when required	Applicable – SM will produce one pre-construction report and update Appendix A for each stage when required	Applicable – SM will produce one pre-construction report and update Appendix A for each stage when required	Applicable – SM will produce one pre-construction report and update Appendix A for each stage when required	Applicable – SM will produce one pre-construction report and update Appendix A for each stage when required	Applicable – SM will produce one pre-construction report and update Appendix A for each stage when required	Partial – To the extent of producing a pre-operational compliance report only.	Applicable – SM will produce one pre-construction report and update Appendix A.4 of the report to include the SWM3 works.	Applicable – SM will produce one pre-construction report and update Appendix A for each stage when required
	A31	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	A32	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Auditing	A33	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	A34	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	A35	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Incident Notification & Reporting	A36	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	A37	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Community Information, Consultation & Involvement – Communication Strategy	B1	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.
	B2	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.
	B3	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.
	B4	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.	Applicable – In the form of the SM C&SW Overarching Community Communication Strategy.
Complaints Management System	B5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	B6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	B7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	B8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	B9	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	B10	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	B11	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	B12	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
B13	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
Provision of Electronic Information	B14	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable

CoA Topic	CoA	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EHVMT	SWM3	
Construction Environmental Management Plan	C1	Applicable – Refer to Appendix C for applicable CEMF requirements for each stage.	Applicable – Refer to Appendix C for applicable CEMF requirements for each stage.	Applicable – Refer to Appendix C for applicable CEMF requirements for each stage.	Applicable – Refer to Appendix C for applicable CEMF requirements for each stage.	Applicable – Refer to Appendix C for applicable CEMF requirements for each stage.	Applicable – Refer to Appendix C for applicable CEMF requirements for each stage.	Not Applicable	Applicable – Refer to Appendix C for applicable CEMF requirements for each stage.	Applicable – Refer to Appendix C for applicable CEMF requirements for each stage.	
	C2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable	
	C3	Partial – C3(a), (b) and (d) will be complied with fully (to address key risks). Risks associated with the remaining aspects of this condition will be addressed in accordance with Table 5.	Partial – C3(a), (b) and (d) will be complied with fully (to address key risks). Risks associated with the remaining aspects of this condition will be addressed in accordance with Table 5.	Partial – C3(a), (b) and (d) will be complied with fully (to address key risks). Risks associated with the remaining aspects of this condition will be addressed in accordance with Table 5.	Partial – C3(a), (b) and (d) will be complied with fully (to address key risks). Risks associated with the remaining aspects of this condition will be addressed in accordance with Table 5.	Partial – C3(a), (b) and (d) will be complied with fully (to address key risks). Risks associated with the remaining aspects of this condition will be addressed in accordance with Table 5.	Partial – C3(a), (b) and (d) will be complied with fully (to address key risks). Risks associated with the remaining aspects of this condition will be addressed in accordance with Table 5.	Partial – C3(a), (b) and (d) will be complied with fully (to address key risks). Risks associated with the remaining aspects of this condition will be addressed in accordance with Table 5.	Not Applicable	Partial – C3(a), (b) and (d) will be complied with fully (to address key risks). Risks associated with the remaining aspects of this condition will be addressed in accordance with Table 5.	Partial – C3(a), (b) and (d) will be complied with fully (to address key risks). Risks associated with the remaining aspects of this condition will be addressed in accordance with Table 5.
	C4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	C5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	C6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	C7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Construction Monitoring Programs	C8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable	
	C9	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable	
	C10	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable	
	C11	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable	
	C12	Applicable. Monitoring Programs may be staged and will be submitted in advance of the respective packages of construction works.	Applicable. Monitoring Programs may be staged and will be submitted in advance of the respective packages of construction works.	Applicable. Monitoring Programs may be staged and will be submitted in advance of the respective packages of construction works.	Applicable. Monitoring Programs may be staged and will be submitted in advance of the respective packages of construction works.	Applicable. Monitoring Programs may be staged and will be submitted in advance of the respective packages of construction works.	Applicable. Monitoring Programs may be staged and will be submitted in advance of the respective packages of construction works.	Applicable. Monitoring Programs may be staged and will be submitted in advance of the respective packages of construction works.	Not Applicable	Applicable. Monitoring Programs may be staged and will be submitted in advance of the respective packages of construction works.	Applicable. Monitoring Programs may be staged and will be submitted in advance of the respective packages of construction works.
	C13	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	C14	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
C15	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable	
Operational Environmental Management	D1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	
	D2	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	
	D3	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	
	D4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	
	D5	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	
Suburban & Inter-Urban Rail	E1	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Applicable	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	
Air Quality	E2	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of operational activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	
Biodiversity – Biodiversity Offsetting	E3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
Tree Removal & Replacement	E4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	E5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	

CoA Topic	CoA	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EHVMT	SWM3
	E6	Partial – Any trees removed as part of this stage will be replaced as part of subsequent stage(s).	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E7	Partial – Any trees removed as part of this stage will be replaced as part of subsequent stage(s).	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Flooding	E8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E9	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Heritage	E10	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E11	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E12	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E13	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E14	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E15	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E16	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E17	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only	Partial – To the extent of operational maintenance activities only	Partial – To the extent of construction activities only
Noise & Vibration – Land Use Survey	E18	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Noise & Vibration – Work Hours	E19	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Noise & Vibration – Variation to Work Hours	E20	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E21	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Noise & Vibration – Out-of-Hours Work Scheduling & Respite	E22	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E23	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Noise & Vibration – Highly Noise Intensive Work	E24	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Noise & Vibration – Out-of-Hours Work Protocol – Work not subject to an EPL	E25	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Noise & Vibration – Out-of-Hours Work – Utility Coordination & Respite	E26	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Noise & Vibration – Construction Noise & Vibration – General	E27	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E28	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E29	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E30	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Noise & Vibration – Noise Mitigation – Operational Noise Mitigation Measures	E31	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E32	Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable
	E33	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E34	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
Socio-Economic, Land Use & Property	E35	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable

CoA Topic	CoA	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EHVMT	SWM3
	E36	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Socio-Economic, Land Use & Property – Business Management Plan	E37	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Soils	E38	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Soils – Contaminated Sites	E39	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E40	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Materials Storage	E41	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Sustainability	E42	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E43	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Applicable	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.
	E44	Partial – To the extent of design development and construction activities only.	Partial – To the extent of design development and construction activities only.	Partial – To the extent of design development and construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Applicable	Partial – To the extent of construction activities only.	Partial – To the extent of design development and construction activities only.
	E45	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
Traffic & Transport – Traffic & Transport Liaison Group	E46	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E47	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E48	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E49	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	E50	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	E51	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Traffic & Transport – Pedestrian & Cyclist Access	E52	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	E53	Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Urban Design & Visual Amenity – Lighting & Security	E54	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of operational activities only	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only
Urban Design & Visual Amenity – Design Review Panel	E55	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Applicable
	E56	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Applicable
	E57	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	E58	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	E59	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	E60	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Applicable	Applicable
	E61	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	E62	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	E63	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	E64	Not Applicable	Not Applicable	Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	E65	Not Applicable	Not Applicable	Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	E66	Not Applicable	Not Applicable	Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	E67	Not Applicable	Not Applicable	Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable

CoA Topic	CoA	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EHVMT	SWM3
Urban Design & Visual Amenity – Operational Maintenance	E68	Not Applicable	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only	Partial – To the extent of operational activities only	Partial – To the extent of construction activities only	Partial – To the extent of construction activities only
Utilities Management	E69	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	E70	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	E71	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Utilities Management – Utility Coordination Manager	E72	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Waste	E73	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E74	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E75	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	E76	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable

* Denotes –TSOM will work under a Principal Contractor in accordance with Section 3.2.5 of this Report.

Appendix B – Applicability of S2B REMMs to each Stage

This table has been based on the latest version of the Revised Environmental Mitigation Measures taken from Appendix C of the Sydenham to Bankstown Upgrade Submissions Report.

REMM Topic	REMM	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EVHMT	SWM3
Traffic, Transport & Access (Design / Pre-Construction)	TC1	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	TC2	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Applicable
	TC3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	TC4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	TC5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	TC6	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable
	TC7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	TO1	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable
	TO2	Not Applicable	Not Applicable	Applicable	Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable
Traffic, Transport & Access (Construction)	TC8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC9	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC10	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC11	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC12	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC13	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC14	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC15	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC16	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC17	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC18	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC19	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC20	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	TC21	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
TC22	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
Traffic, Transport & Access (Operation)	TO3	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Applicable
	TO4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
	TO5	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Noise & Vibration (Design / Pre-Construction)	NVC1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVO1	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVO2	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVO3	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Noise & Vibration (Construction)	NVC5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable

REMM Topic	REMM	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EVHMT	SWM3
	NVC6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC9	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC10	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC11	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC12	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC13	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC14	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC15	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NVC16	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	Non-Aboriginal Heritage (Design / Pre-Construction)	NAH1	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
NAH2		Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
NAH3		Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
NAH4		Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
NAH5		Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
NAH6		Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable
NAH7		Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable
NAH8		Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable
NAH9		Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable
NAH10		Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable
NAH11		Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable
NAH12		Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
NAH13		Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable
NAH14		Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Non-Aboriginal Heritage (Construction)	NAH15	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable
	NAH16	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NAH17	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable

REMM Topic	REMM	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EVHMT	SWM3
	NAH18	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NAH19	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	NAH20	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Non-Aboriginal Heritage (Operation)	NAH21	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable	Not Applicable
	NAH22	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable	Not Applicable
	NAH23	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable
Aboriginal Heritage (Design / Pre-Construction)	AH1	Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	AH2	Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	AH3	Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
	AH4	Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable
Aboriginal Heritage (Construction)	AH5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Land Use & Property (Design / Pre-Construction)	LU1	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Applicable
	LU2	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable
	LU3	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable
Land Use & Property (Construction)	LU4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Socio-Economic Impacts (Design / Pre-Construction)	SO1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	SO2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Socio-Economic Impacts (Construction)	SO3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	SO4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Business Impacts (Design / Pre-Construction)	BI1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	BI2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Landscape & Visual Impacts (Design / Pre-Construction)	LV1	Not Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	LV2	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Applicable
	LV3	Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable	Applicable	Partial – To the extent of operational activities only	Not Applicable	Applicable
	LV4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	LV5	Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	LV6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	LV7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	LV8	Applicable	Not Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	LV9	Not Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Landscape & Visual Impacts (Construction)	LV10	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	LV11	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	LV12	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable

REMM Topic	REMM	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EVHMT	SWM3
	LV13	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	LV14	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	LV15	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	LV16	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Soils & Contamination (Design / Pre-Construction)	SC1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	SC2	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	SC3	Applicable	Applicable	Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	SC4	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Applicable	Applicable
	SC5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	SC6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	SC7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Soils & Contamination (Construction)	SC8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Soils & Contamination (Operation)	SC9	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
Hydrology, Flooding & Water Quality (Design / Pre-Construction)	FHW1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	FHW2	Not Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable
	FHW3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable	Applicable
	FHW4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Hydrology, Flooding & Water Quality (Construction)	FHW5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	FHW6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	FHW7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	FHW8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	FHW9	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	FHW10	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable
Hydrology, Flooding & Water Quality (Operation)	FHW11	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
Biodiversity (Design / Pre-Construction)	B1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	B2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Biodiversity (Construction)	B3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	B4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	B5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	B6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	B7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	B8	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable
Biodiversity (Operation)	B9	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
	B10	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable

REMM Topic	REMM	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EVHMT	SWM3
Air Quality (Design / Pre-Construction)	AQ1	Partial – Risks associated with air quality impacts will be addressed in accordance with Table 5.	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Sustainability & Climate Change (Design / Pre-Construction)	SCC1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	SCC2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	SCC3	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.	Applicable	Partial – To the extent of construction activities only.	Partial – To the extent of construction activities only.
	SCC4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	SCC5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Sustainability & Climate Change (Construction)	SCC6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	SCC7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	SCC8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Sustainability & Climate Change (Operation)	SCC9	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
	SCC10	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
	SCC11	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
	SCC12	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
Hazards, Risks & Safety (Design / Pre-Construction)	HRS1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	HRS2	Not Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Not Applicable	Not Applicable
	HRS3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Hazards, Risks & Safety (Construction & Operation)	HRS4	Partial - To the extent of construction activities only.	Partial - To the extent of construction activities only.	Partial - To the extent of construction activities only.	Partial - To the extent of construction activities only.	Partial - To the extent of construction activities only.	Partial - To the extent of construction activities only.	Partial - To the extent of operational activities only.	Partial - To the extent of construction activities only.	Partial - To the extent of construction activities only.
Waste Management (Design / Pre-Construction)	WM1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	WM2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Waste Management (Construction)	WM3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	WM4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	WM5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	WM6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	WM7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Cumulative Impacts (Pre-Construction & Construction)	CI1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable

* Denotes –TSOM will work under a Principal Contractor in accordance with Section 3.2.5 of this Report.

Appendix C – Applicability of S2B CEMF Sections to each Stage

This table has been based on the latest version of the Sydenham to Bankstown Upgrade Construction Environmental Management Framework that was included as Appendix D to the Sydenham to Bankstown Upgrade EIS.

CEMF Topic	CEMF Section	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EHVMT	SWM3	
Introduction	1.1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
	1.2	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
	1.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	1.4	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
Legislative & Other Requirements	2.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	2.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	2.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	
	2.4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
Environmental Management Requirements	3.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	
	3.2	Partial – SMP sub-plans will be prepared in accordance with Table 5.	Partial – SMP sub-plans will be prepared in accordance with Table 5.	Partial – SMP sub-plans will be prepared in accordance with Table 5.	Partial – SMP sub-plans will be prepared in accordance with Table 5.	Partial – SMP sub-plans will be prepared in accordance with Table 5.	Partial – SMP sub-plans will be prepared in accordance with Table 5.	Partial – SMP sub-plans will be prepared in accordance with Table 5.	Partial – SMP sub-plans will be prepared in accordance with Table 5.	Partial – SMP sub-plans will be prepared in accordance with Table 5.	
	3.3	Partial – Under section (c), the CEMP will outline (rather than cover the conditions of) all other permits and licences that apply and will not include the environmental provisions of the contract documentation.	Partial – Under section (c), the CEMP will outline (rather than cover the conditions of) all other permits and licences that apply and will not include the environmental provisions of the contract documentation.	Partial – Under section (c), the CEMP will outline (rather than cover the conditions of) all other permits and licences that apply and will not include the environmental provisions of the contract documentation.	Partial – Under section (c), the CEMP will outline (rather than cover the conditions of) all other permits and licences that apply and will not include the environmental provisions of the contract documentation.	Partial – Under section (c), the CEMP will outline (rather than cover the conditions of) all other permits and licences that apply and will not include the environmental provisions of the contract documentation.	Partial – Under section (c), the CEMP will outline (rather than cover the conditions of) all other permits and licences that apply and will not include the environmental provisions of the contract documentation.	Partial – Under section (c), the CEMP will outline (rather than cover the conditions of) all other permits and licences that apply and will not include the environmental provisions of the contract documentation.	Not Applicable	Partial – Under section (c), the CEMP will outline (rather than cover the conditions of) all other permits and licences that apply and will not include the environmental provisions of the contract documentation.	Partial – Under section (c), the CEMP will outline (rather than cover the conditions of) all other permits and licences that apply and will not include the environmental provisions of the contract documentation.
	3.4	Partial – CEMP sub-plans will be prepared in accordance with Table 5.	Partial – CEMP sub-plans will be prepared in accordance with Table 5.	Partial – CEMP sub-plans will be prepared in accordance with Table 5.	Partial – CEMP sub-plans will be prepared in accordance with Table 5.	Partial – CEMP sub-plans will be prepared in accordance with Table 5.	Partial – CEMP sub-plans will be prepared in accordance with Table 5.	Partial – CEMP sub-plans will be prepared in accordance with Table 5.	Not Applicable	Partial – CEMP sub-plans will be prepared in accordance with Table 5.	Partial – CEMP sub-plans will be prepared in accordance with Table 5.
	3.5	Partial – Procedures will be prepared for all environmental categories identified with 'CEMP-P' or 'SMP-P' and any procedures associated with management sub-plans in accordance with Table 5.	Partial – Procedures will be prepared for all environmental categories identified with 'CEMP-P' or 'SMP-P' and any procedures associated with management sub-plans in accordance with Table 5.	Partial – Procedures will be prepared for all environmental categories identified with 'CEMP-P' or 'SMP-P' and any procedures associated with management sub-plans in accordance with Table 5.	Partial – Procedures will be prepared for all environmental categories identified with 'CEMP-P' or 'SMP-P' and any procedures associated with management sub-plans in accordance with Table 5.	Partial – Procedures will be prepared for all environmental categories identified with 'CEMP-P' or 'SMP-P' and any procedures associated with management sub-plans in accordance with Table 5.	Partial – Procedures will be prepared for all environmental categories identified with 'CEMP-P' or 'SMP-P' and any procedures associated with management sub-plans in accordance with Table 5.	Partial – Procedures will be prepared for all environmental categories identified with 'CEMP-P' or 'SMP-P' and any procedures associated with management sub-plans in accordance with Table 5.	Not Applicable	Partial – Procedures will be prepared for all environmental categories identified with 'CEMP-P' or 'SMP-P' and any procedures associated with management sub-plans in accordance with Table 5.	Partial – Procedures will be prepared for all environmental categories identified with 'CEMP-P' or 'SMP-P' and any procedures associated with management sub-plans in accordance with Table 5.
	3.6	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	3.7	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	3.8	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	3.9	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	3.10	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	3.11	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	3.12	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	3.13	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	3.14	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	3.15	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable

CEMF Topic	CEMF Section	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EHVMT	SWM3
	3.16	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Stakeholder & Community Involvement	4.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	4.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	4.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Partial – Only to the extent of addressing complaints through actions.	Applicable	Applicable
	4.4	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	4.5	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
General Site Works	5.1	Partial – Standard work hours as per applicable planning approval conditions.	Partial – Standard work hours as per applicable planning approval conditions.	Partial – Standard work hours as per applicable planning approval conditions.	Partial – Standard work hours as per applicable planning approval conditions.	Partial – Standard work hours as per applicable planning approval conditions.	Partial – Standard work hours as per applicable planning approval conditions.	Applicable	Applicable	Partial – Standard work hours as per applicable planning approval conditions.
	5.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	5.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Spoil	6.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	6.2	Not Applicable – Limited impacts to be addressed in CEMP.	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – Limited impacts to be addressed in CEMP.	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).
	6.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Groundwater	7.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	7.2	Not Applicable – Limited impacts to be addressed in CEMP.	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – Limited impacts to be addressed in CEMP.	Not Applicable – Limited impacts to be addressed in CEMP.	Not Applicable – Limited impacts to be addressed in CEMP.	Not Applicable – Limited impacts to be addressed in CEMP.	Not Applicable	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).
	7.3	Applicable	Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Applicable	Applicable
Traffic	8.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	8.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	8.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Noise & Vibration	9.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	9.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	9.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Heritage	10.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	10.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	10.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Flora & Fauna / Biodiversity	11.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	11.2	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).
	11.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Visual Amenity	12.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	12.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	12.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Carbon & Energy	13.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	13.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable

CEMF Topic	CEMF Section	SMEW	LW	SMC & Additional Works	MCL	DCP	HBW	TSOM*	EHVMT	SWM3
	13.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Materials	14.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	14.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	14.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
Soil & Water	15.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	15.2	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Not Applicable – CEMP Procedure only (limited impacts).	Applicable
	15.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Air Quality	16.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
	16.2	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).
	16.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Not Applicable	Applicable	Applicable
Waste	17.1	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable
	17.2	Not Applicable – Limited impacts to be addressed in CEMP.	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – Limited impacts to be addressed in CEMP.	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – CEMP Procedure only (limited impacts).	Not Applicable – Limited impacts to be addressed in SMP	Not Applicable – Limited impacts to be addressed in SMP	Not Applicable – Limited impacts to be addressed in SMP
	17.3	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable	Applicable

Our ref: SSI-8256-PA-415

Fil Cerone
Director of Sustainability, Environment and Planning
on Sydney Metro City and South West
Sydney Metro

Attention: Sam Fard, Senior Environment Manager

16/08/2024

Subject: Sydney Metro Southwest – Staging Report Revision 8.1

Dear Mr Cerone,

Thank you for submitting the Staging Report, Revision 8.1, dated 26/7/2024 (the document).

The Department has received and filed the document.

I note that testing and commissioning activities are proposed to be done as low impact works, subject to the approval of the Environmental Representative. Please note that if that approval cannot be obtained, a Construction Environmental Management Plan and relevant subplans will be required for those activities.

If there are any inconsistencies between the document and the conditions of approval, the conditions prevail.

Please make the document and this letter publicly available on the project website as soon as possible.

If you have any queries, please contact Leanne Mariani at leanne.mariani@dpie.nsw.gov.au

Yours sincerely



Dominic Crinnion
Director
Infrastructure Management