LENDLEASE BUILDING PTY LTD | 97 000 098 162

METRO MARTIN PLACE

PROJECT EHS MANAGEMENT PLAN

7/03/2022 | Project Plan Revision No:7.3

Document Revision Status				
Date	Document Issue (in numbers)	Purpose and Summary of Amendments	Reviewed by	Approved by
27/10/17	3.1	Updated Environment legislation for VIC Appendix 2 and updated Objectives & Targets to FY18 Appendix 3	Ross Trethewy	Ross Trethewy
16/07/18	4.0	New Plan issued for use	Naomi Maughan	Ross Trethewy
24/06/19	4.1	Updates to parts 4.2, 5.2.5, 4.3.3, 4.3.4, 4.5.1, 4.5.4, 4.6, 5.1, 5.2 and Appendices 1, 2, 3, 4, 5 and 8 including new FY20 Objectives & Targets.	Graeme Mauger	Ross Trethewy
24/06/20	5.0	General updates and FY21 objectives and targets, new management sub plans – Pandemic and Occ Health and Hygiene. Minor update to Section 5.3.	Graeme Mauger	Ross Trethewy
14/04/21	5.1	Updated to Obectives & Targets FY21 Appendix 3	Brooke Brittain	Ross Trethewy
30/06/2021	6.0	Participation enhanced in Sections 4.2.1, 4.3, 4.5.5 and 4.6 following the Certification audit NCR on participation, Updates to Appendices 8, 3 new FY22 Objectives and Targets.	Graeme Mauger / Brooke Brittain	Ross Threthewy
29/11/2021	6.1	Updates to Section 4.2.3, 4.5.2, 5.2.1 and Appendix 2	Graeme Mauger	Ross Threthewy
Project Plan Revision Status				
11/09/20	6.0	CEMP Consolidation	Brooke Brittain	Mark Dunn
19/04/21	7.0	Reference to plant inspection checklists specific to tunnelling, update air quality management procedure. Include OSD SSD approval references. Updates to project strategic safety plan and permits	James Kennelly / Jason Ambler	Ian Sheils
07/09/2021	7.1	Updated to capture Head Office requirements and updates	James Kennelly	Ian Sheils
05/01/21	7.2	H&S initiative update	James Kennelly	Ian Sheils
07/03/22	7.3	Updated to capture Head Office requirements and OSD updates	James Kennelly	Ian Sheils

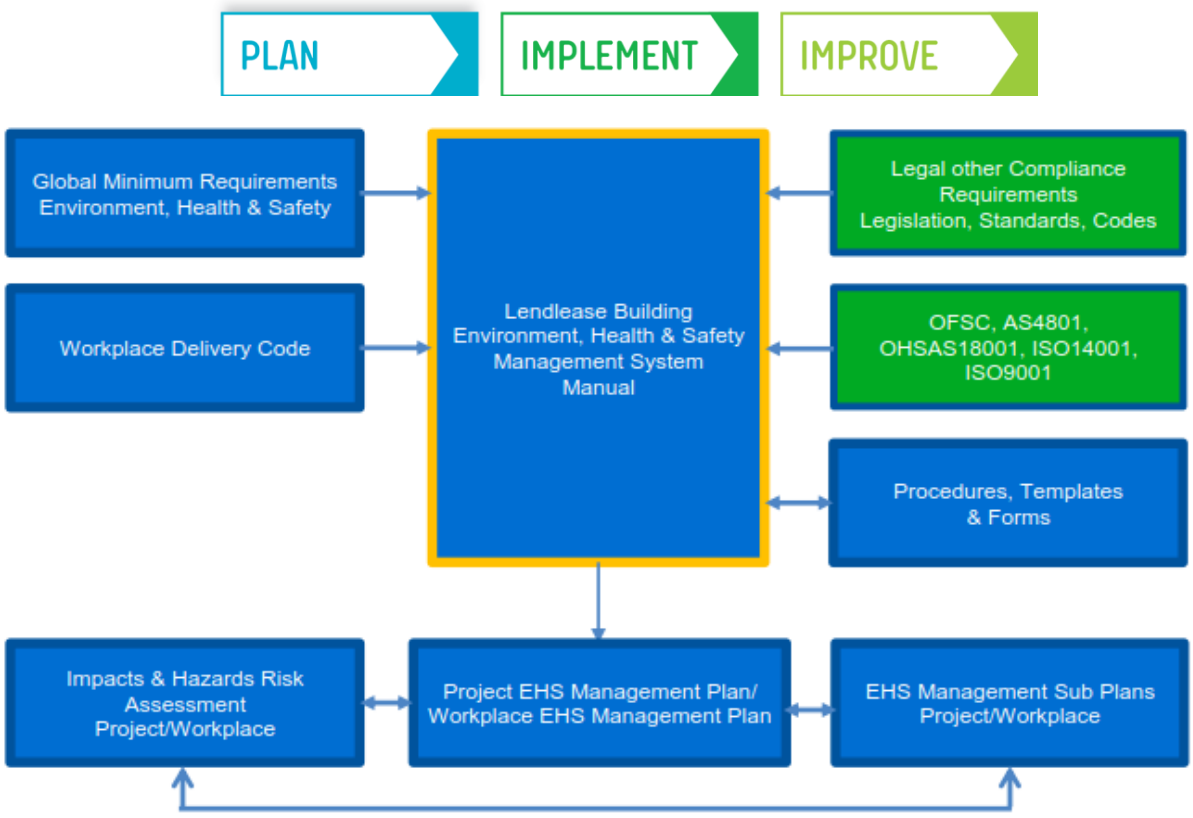
Note that all printed paper/hard copies of this document remain uncontrolled. The controlled copy of this document is found either in Project Web, within the Project Management Plan section, or other project specific database/server approved by the Regional EHS Manager / EHS Manager Integrated Project.

WELCOME

Welcome to the project/workplace Environment, Health & Safety Management Plan for Lendlease Building Australia.

This plan forms an integral part of the Lendlease Building Environment, Health and Safety Management System shown below.

Environment, Health and Safety (EHS) is our number one priority. Importantly, this Plan has been tailored for your project, addressing its specific requirements. It follows a simple and intuitive navigation trail, outlined below to help guide you through the document.



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1.0 INTRODUCTION

1.1 PROJECT ENVIRONMENT, HEALTH & SAFETY MANAGEMENT PLAN

Lendlease Building (LLB) Australia, (incorporating Lendlease Building Pty Limited and Lendlease Building Contractors Pty Limited) operates an integrated management system where the functions and requirements of environment management and work health and safety (WHS) /occupational health and safety (OHS) /occupational safety and health (OSH) management are integrated. The LLB Environment, Health & Safety Management System (EHS MS) Manual and related procedures, forms and templates is contained within the Lendlease Building Management System, Source.

The LLB EHS MS Manual provides the overall framework for EHS management at LLB workplaces including construction projects. All projects must develop a Project Environment Health & Safety (EHS) Management Plan (MP), which outlines the management practices for the key risks affecting EHS for a project. Management of EHS at this workplace consists of the LLB EHS MS Manual together with this Project EHS Management Plan and its relevant EHS Sub Plans, procedures, codes and other supporting documents. These all form part of the LLB EHS MS and together hold certification to Australian and international standards for both health and safety and the environment and accreditation with Federal and State authorities. The structure of the EHS MS framework is outlined on Page 3.

1.2 REVISIONS AND AMENDMENTS

The revision history of the project EHS MP for LLB construction operations is documented by the LLB Document Control Register within Source. This project EHS MP template is the document used to prepare a project specific EHS management plan for each LLB construction related workplace.

The table in this section provides the history of any project specific changes to the project EHS MP. The Construction Manager, or nominated representative, reviews the project EHS MP and related sub plans at maximum three (3) month intervals, with the CSSI sub plans as identified in Appendix 1.1 reviewed at maximum twelve (12) monthly intervals. The project EHS MP is also reviewed as part of internal independent quarterly audits of the management system and related compliance with legislation and Lendlease Global Minimum Requirements for EHS. Audits are completed to the requirements of the LLB Auditing EHS Procedure.

Project related minor revisions to this EHS MP and related sub plans may be independently issued, but must be approved by the Construction Manager, or nominated representative and the Regional EHS Manager / Head of EHS Integrated Project prior to release. On receipt of a revision:

- The required amendment is incorporated in the revised project EHS MP and sub plans where applicable.
- The date of the revision and new revision issue are listed in the table on page 2 including the purpose and a brief summary of the amendments throughout the Project EHS MP.
- The new/revised project EHS MP or sub plan is issued to the project team including relevant subcontractors, Metro, Macquarie Group and other stakeholders and Appendix 15 Plan Signature re-signed by the project team. Initial submission of the EHS MP to Metro will be as outlined in Appendix 10 Special Conditions.
- The independent Environmental Representative (ER) is to consider any minor amendments made to the EHS MP that comprise updates or are of an administrative or minor nature and are consistent with the terms of the planning approval and the document approved by the Secretary and, if satisfied such amendment is necessary, approve the amendment. In conjunction with the ER (where required), the independent Acoustic Advisor (AA) is to consider relevant minor amendments made to any noise and vibration document approved by the Secretary that require updating or are of an administrative or minor nature, and are consistent with the terms of the planning approval and the document approved by the Secretary and, if satisfied such amendment is necessary, approve the amendment. See Appendix 15 for further detail on ER and AA responsibilities.
- Any amendments not considered minor in regard to requirements of the project planning approval, or not considered consistent with the terms of the planning approval, will be require approval from the Department of Planning & Environment (DPIE) Planning Secretary.
- LLB project/workplace employees that are required to manage environment health and safety as a key part of their roles and responsibilities at the project are to be inducted in this plan, and its related management sub plans relevant to their role by signing the table with Appendix 15 of this plan.

Note: Major revisions of the plan template, e.g. revision 4.1 to revision 5.0 require the new revised project plan template approved by the Head of EHS LLB to be implemented with a maximum of three months across all active construction projects.

1.3 DEFINITIONS

Terms used in this document and related LLB EHS Management System documents are defined in the LLB Definitions in the Management of EHS Procedure.

1.4 PROJECT DESCRIPTION

The Metro Martin Place precinct development consists of the Martin Place Metro Integrated Station Development (ISD), Over Station Development (OSD) and the associated integrated civic, retail and commercial areas. This proposed redevelopment is to create a transportation metro precinct that offers mixed use space including commercial office space, modern retail outlets and civic space areas. The OSD comprises two commercial towers: the North Tower consists of 38 storeys of office space, and the South Towerconsists of 29 storeys of office space. The South Tower will be constructed over the existing Eastern Suburbs Line (ESL).

The site is to be split into three construction zones - North Tower (SSD9270), South Tower (SSD9326) and Below Ground Station Box (SSI 15_7400). The precinct is located between Hunter Street to the North, 39 Martin Place to the South, Elizabeth Street to the East and Castlereagh Street to the West. The buildings located at 39 Martin Place, 55 Hunter Street, 5, 8-10, 8A-12 Castlereagh Street have been demolished by the Tunnel and Station Excavation Works (TSE) Contractor, who also excavated the southern site prior to Lendlease commencing site establishment. Lendlease has completed demolition of 9-19 Elizabeth Street and the retention works and excavation to the North site.

The Integrated Station Development (ISD) and Over Station Development (OSD) works are being completed by Lendlease Building Proprietary Limited (the principal contractor).

During the development process a number of key Environmental Health & Safety (EH&S) challenges have been identified including but not limited to;

- Deep excavation within a city environment
- Working adjacent to public areas
- Working over and around underground infrastructure and rail lines
- Use of plant and equipment including multiple tower cranes on each tower
- Integration of the project with existing services infrastructure

Included are the following key milestones or specific deliverables for this project:

- The Metro Martin Place precinct design proposal involves the redevelopment of the site, as well as accommodates the following:
- Integration of an underground pedestrian link under 50 Martin Place, platform works (noting that the new metro train trackwork and associated tunnel construction and fit-out is done by others)
- Construction of the 38 story North Tower, comprising a reinforced concrete structure with a glass lift core on Castlereagh Street;
- Construction of the 29 story South Tower, comprising a rear core reinforced concrete structure with a podium level to 45 metres;
- Integration of the North Tower and 50 Martin Place with interconnecting bridges at nominated levels, and a link to the ground floor.
- Retail and Public domain spaces to both North and South Towers.

Special conditions and requirements relevant to the project are detailed in Appendix 10.

2.0 VISION & POLICY

Lendlease is committed to our vision ‘to create the best places’ through incident and injury free workplaces wherever we have a presence. Our vision is supported by an uncompromising culture which holds the health and safety of people and the protection of the environment as first in all our business reviews and decision making.

The LLB EHS Policy outlines key objectives to deliver an incident and injury free workplace. The EHS Policy and other related policies are located in Source > Our Policies > Building Policies. All LLB policies must be clearly displayed in a prominent location(s) at LLB workplaces, including the project site/workplace office and project/workplace notice board(s) so they are accessible to all employees, subcontractors and other workers, including visitors to the project.

The policies and their objectives must be clearly communicated through the project or workplace induction to all persons working at the site. The policies are also publicly available on request to interested parties.

3.0 PLAN

3.1 RISK MANAGEMENT, IDENTIFYING IMPACTS AND HAZARDS & APPLICATION OF EHS SUB PLANS

3.1.1 Enterprise Risk/Opportunities

The Head of Environment, Health & Safety Lendlease Building (LLB) Australia maintains a register of EHS risks and opportunities across LLB at an enterprise level. These are outlined in Enablon, the Lendlease EHS Intranet Reporting System and are reviewed and updated at maximum quarterly intervals. The enterprise risks are cascaded to Regional Business Units for consideration and inclusion in local or project related risk management processes where applicable.

3.1.2 Early/Minor Works

The requirements of the Preliminary, Early or Minor Works Contractor Management Procedure are implemented where:

- LLB has management or control of a workplace, or temporary access and control is granted by a Client to a specific area to enable preliminary investigation and related works to be carried out for an LLB business undertaking related to a construction project yet to be commenced; or
- Other minor works that do not meet the definition of a construction project as defined by legislation or involve high risk construction works.

3.1.3 Bid/Opportunity Review

The process of risk management at Lendlease commences in the conversion of a new project bid or opportunity. The Lendlease Building Project Conversion Plan (phase out), and its replacement OLi is available on Pulse A-Z and is used for all project bids or opportunities. In addition, new bids and opportunities require the completion of the GMR1 process in Oli.

Inclusive of the OLi process is the completion of a LLB EHS Investment Risk Review to determine if the requirements of the Lendlease Global Minimum Requirements (GMRs) for EHS and legislative compliance can be achieved. This requirement is further outlined in the Winning Work section on Source. Open risks

identified in the LLB EHS Investment Risk Review must be transferred to the Project Risk and Opportunity Assessment Template (PROA).

3.1.4 Design

Where LLB has management or control of a design function related to a building or structure, the LLB Risk & Opportunity Management Procedure is followed to review design and results are detailed within the LLB Project Risk and Opportunity Assessment Template (PROA). The purpose of the PROA review and related process is to, where reasonably practicable, eliminate risks including potential WHS or equivalent OHS/OSH hazards and risks and potential significant environmental impacts through design change. Where elimination is not reasonably practicable the identified hazards and risks and impacts must be minimised so far as reasonably practicable, consistent with the requirements of relevant legislation and Lendlease GMR.

3.1.4.1 Specific Design Reviews

Concept and Detailed Design

A concept and detailed design review of EHS risks is undertaken by Lendlease Integrated Solutions, or an equivalent service provider with key stakeholders in the proposed (preliminary design) concept and detailed design of the building or structure and documented on PROA for the project.

EHS in Design Review

EHS in design risks identified by external design consultants in a Safety Report, or other equivalent report, issued to respond to Work Health & Safety or equivalent legislation requirements for safe design of buildings or structures are included in the PROA for the Project.

Pre-Construction Review

The Project Manager and relevant stakeholders undertake further review(s) of the design through the implementation of the LLB PROA process and review of the existing PROA for the project.

Risk close out/ transfer

Where risks in design have not been eliminated through the PROA process those unresolved risks that relate to workplace activities over which LLB has management or control are transferred to construction, end user or maintenance programs for resolution. Where an unresolved EHS risks with a moderate or greater risk ranking exists, the Project Manager in consultation with the Construction Manager and Regional EHS Manager / Head of EHS Integrated Project must ensure that the risks are transferred to the project specific Impacts & Hazards Risk Assessment, end user or maintenance manuals for the project.

3.1.4.2 Design Change

Design change throughout the design and construction is managed in accordance with the LLB Change Management Procedure and further evaluated during project review meetings. Where the proposed design change (including design of temporary works) has the potential to significantly (moderate or above risk ranking) effect environment, health or safety the design is reviewed to determine a more effective design solution to eliminate the risks so far as reasonably practicable. Where this cannot be achieved the risks are included in the project Impacts & Hazards Risk Assessment or other related document, e.g. end user or maintenance manual to ensure effective management.

3.1.5 Project/Workplace Impacts and Hazards Identification

The Construction Manager (or nominated representative) in consultation with the Site Manager and members of the project team completes a project Impacts & Hazards Risk Assessment (IHRA), prior to commencement of the construction stages of the project. The risk assessment includes any open (unresolved) risks that require management in the construction stages of a project that were identified in design or other PROA reviews.

The completion of the IHRA is conducted in accordance with the methodology outlined in the LLB EHS Risk Management Procedure, which requires all key risks rated as moderate or greater specific to the project to be included in the IHRA. Control measures related to GMR 4 risk events and other high-risk construction works must implement at least one engineering control or better and one mitigating control, consistent with the Hierarchy of Control and Lendlease GMR requirements.

Note: Impacts and hazards and related risks assessed with a risk ranking of less than moderate are not listed in the IHRA, but are controlled using routine standards and procedures as outlined in the LLB EHS MS and standards outlined or referenced in the LLB Workplace Delivery Code.

The project's IHRA is also used to identify:

- the need for additional specific management sub plans; e.g. noise
- High Risk Construction Work or work which requires a high-risk work licence for which a Safe Work Method Statement (SWMS) must be provided that identifies impacts and hazards and outlines control measures consistent with the Hierarchy of Control and copies are retained by LLB.

Lendlease will discuss any recommended improvements by the ER or AA that may be made to Station work practices to avoid or minimise adverse impact to the environment and to the community, including practices to avoid or minimise adverse noise and vibration impacts.

3.2 LEGAL AND OTHER COMPLIANCE REQUIREMENTS

LLB identifies and maintains access to all WHS/OHS/OSH law and environmental law updates and other compliance requirements (e.g. standards, codes, conditions, approvals and others) which are available at LLB workplaces and on the intranet (see Appendix 2 for further information). WHS/OHS/OSH law, environment protection legislation and other compliance requirements; e.g. codes of practice, Client conditions, development approval and standards that apply to this workplace, are listed in the project Impacts & Hazards Risk Assessment.

Access to current legal and other compliance requirements (either electronic or paper based) is available at all LLB workplaces and key intranet sites for access to further information are listed in Appendix 2.

LLB is required to collect concise data on energy use, carbon emissions, water consumption, waste disposal and waste recovery at a project level. The data is used to monitor a project's environmental performance and to meet Lendlease Corporation obligations under the National Greenhouse and Energy Reporting Act 2007.

Data is recorded in Footprint and verified by each Regional Business Unit, Strategic Business Unit, nominated employee, with oversight by the Lendlease Building National Sustainability Function and external assurance auditors.

3.3 Site/workplace EHS Rules

The Project Team develops specific Site or Workplace EHS Rules that are displayed on entry to the workplace and in other prominent locations that are consistent with the Lendlease vision 'to create the best places' through an incident and injury free workplace. The objective of the site/workplace EHS rules are to:

- inform all worker, visitors and other stakeholders of the minimum requirements that must be adhered to at the workplace to meet specific client, legislative, regulatory and GMR requirements.
- define project specific expectations
- address the project's management of WHS/OHS/OSH hazards and risks and environmental aspects and impacts;
- address any specific client, legislative and regulatory requirements;
- meet the standards outlined by the Lendlease Global Minimum Requirements for EHS (GMR) and LLB Workplace Delivery Code
- ensure visitors to the project are made aware of any Site/Workplace EHS Rules relevant to the site and any areas they will visit, e.g. mandatory PPE;
- inform workers and visitors of perimeter exclusion zone (PEZ) requirements on multi-storey projects where access or work activities are required within 3m of a multi-storey live edge;
- inform workers of the requirements of the LLB Drug and Alcohol Policy and the LLB Fitness for Work – Drug and Alcohol Testing Procedure that apply to all Lendlease Building workplaces.

3.4 OBJECTIVES AND TARGETS

The LLB annual EHS Business Plan outlines objectives and targets for the financial year and these are included in the LLB EHS MS Manual and cascaded to LLB Regional Business Units for implementation.

Objectives and targets specific to the project are outlined in Appendix 3.

3.4.1 Achievement of objectives and targets

Progress against the objectives and targets for EHS are monitored by project team members (as nominated in the table at Appendix 9) in consultation with the Construction Manager, Operations Manager, Regional EHS Manager / Head of EHS Integrated Projects and General Manager for the Regional Business Unit/Strategic Business Unit. The Construction Manager reports on the progress on a six-weekly basis in Project Reviews.

Monthly reports on progress against annual EHS objectives and targets are collated by the EHS Head Office Service Function and Regional EHS Managers / Head of EHS Integrated Projects and distributed across LLB.

EHS weekly email performance updates, distributed by the Head of EHS LLB Australia, also outline progress against some specific objective and targets related to incidents.

LLB project personnel nominated to monitor objectives and targets at the project are listed in the table outlined in Appendix 9.

3.4.2 Project objectives and targets monitoring

The Project objectives and targets as listed in Appendix 3 are monitored by:

- The Metro Martin Place SLT will track the projects specific EHS objectives and targets that aligns with the Sydney Metro Health and Safety Performance Index.
- Internal independent EHS audits of a sample of projects at maximum 100-day intervals;
- Annual internal and external audits of selective projects;
- Evaluation of employee, subcontractor and worker EHS performance by reviewing and monitoring: workplace activities, Safe Work Method Statements, or equivalent, implementation through regular observations and inspections by LLB personnel, subcontractors and the workplace EHS Committee/ EHS Consultation Group;
- Review of mandatory training completion rates;
- Incident reporting, investigation and effective communication and evaluation of implemented corrective actions and preventative actions;
- Effective injury management, return to work; and
- Environment protection.

Lendlease personnel tasked with implementing selective objectives and targets are detailed in Appendix 9

3.5 PROJECT SPECIFIC ENVIRONMENT HEALTH AND SAFETY INITIATIVES

In addition to the objectives and targets previously outlined, at least two or more project EHS leading industry practice initiatives should be nominated at the discretion of the Construction Manager, or a nominated representative, in consultation with the Project EHS Coordinator (where appointed) or the EHS Committee / EHS Consultation Group and other relevant key stakeholders.

Outline leading practice initiatives below:

Brief Description of EHS Initiative	Expected Launch Date	Evaluation method for the initiative	Expected Evaluation Date	Related Document (e.g. plan or other)
Rewards and Recognition Program – Quarterly Site Wide BBQ to present rewards and recognition	January 2019	Quarterly discussions in team meetings nominations by delivery team	Quarterly – Ongoing throughout the project duration	Recorded in the team minutes of meeting
Project Safety Slogan to be developed following consultation and participation with workforce	October 2 2020	Precinct SLT mechanism	February 2021	SLT meeting minutes
Real time dust trackers to be installed for Bulk/Detailed and Tunneling excavation works	June 2019	Real time monitoring used to assist in dust management	Ongoing throughout excavation works	Real time monitoring provided
Project specific permit to tunnel to be developed prior to Ped Link works	November 2020	Consultation and participation with specialist tunnelling contractor, ARUP Structural Engineers and Lendlease Subject Matter Experts	December 2020	Permit to Tunnel
Project specific plant inspection checklists developed for tunnelling equipment required in Pedlink	November 2020	Consultation with Lendlease Tunnelling SME and Regional EHS Team	Ongoing throughout tunnelling work	Plant inspection checklists

Veyor System to be implemented to assist in heavy vehicle chain of responsibility management	January 2021	Consultation with Veyor, Supply Chain and Lendlease Management	Ongoing throughout construction works	Veyor Application implementation and daily delivery planning meetings
Project specific permit to drill cut and core developed to capture risks associated with drilling into the tunnel liner	April 2021	Consutation with trades and Lendlease Maangement	Ongoing throughout construction works	Permit to Drill Cut and Core
Project specific strategic Safety Plan to be developed in consultation with Sydney Metro and Macquarie	April 2021	Workshop with Sydney Metro, Macquarie and Lendlease Management Team	April 2021 through to construction completion	Safety Strategic Plan and tracker
Project specific permit to work in risers and shafts to manage risk associated with with work in these areas	September 2021	Consultation with Foreman and EHS team	Ongoing throughout construction works	Permit to work in Risers and Shafts

3.6 PROCUREMENT OF GOODS AND SERVICES

Tendering for the provision of goods and services is undertaken in line with the requirements of the Business Rules outlined in the Procurement section of Procurement section of Source and is the responsibility of the Construction Manager, or nominated representative. The management of EHS in relation to procurement includes the following requirements:

3.6.1 Goods

Procured goods conforms with the requirements of applicable Australian standards and be able to meet the requirements of approved codes of practice, compliance codes, product specifications, design standards and guidance notes published by the relevant government regulators or industry organisations when those goods are used, installed or commissioned for use.

3.6.2 Services

Procured services include the following documented activities prior to Tender Award:

(a) Prequalification

All prospective tenderers must either have been:

1. capability assessed; or
2. the LLB Tender Management System Assessment Form is completed before being invited to tender; to ensure that prospective tenderers have an EHS Management System or equivalent procedures that meet the requirements established by this Plan.

(b) Invitation to Tender

A standard suite of EHS information as outlined in Appendix A of the LLB Invitation to Tender is provided to each prospective tenderer at the time of tender to allow the tenderer to properly prepare their EHS documentation.

(c) Subcontractor Interview Checklist

This Subcontractor Interview Checklist is completed during tender interviews for all works more than $200,000 value to ensure that the tenderer has properly prepared their tender submission to meet LLB EHS requirements and that they understand their obligations for the management of EHS if their submission is to be successful.

(d) Tender Evaluation Template

The vetting and analysis of each tender is undertaken by completing the Tender Evaluation Template to ensure that each tender submission meets the requirements of the LLB EHS MS.

3.6.3 Management of Subcontractor EHS

Subcontractors and other workers must be able to plan and adequately identify impacts and hazards related to the scope of works they are undertaking at the workplace. The Construction Manager or nominated representative provides the following to all subcontractor companies at Tender:

- relevant parts of the project specific EHS MP,
- the project specific Impacts & Hazards Risk Assessment and related prescribed control measures,
- Global Minimum Requirements for EHS,
- the LLB Workplace Delivery Code;
- the LLB Subcontractor Guide to EHS; and
- other information applicable to the scope of works to be undertaken.

The list of EHS information required to be provided by each Tenderer is included by the Construction Manager or nominated representative in pre-tender or pre-contract interviews, including records of discussion of project EHS related information and verification of subcontractor compliance to LLB requirements by completion of the LLB Subcontractor Works To Proceed EHS Checklist.

An itemised list of inclusions in tender/contractor packages and evidence of communication (document transmittal) of the project EHS information is maintained, such as (but not limited to) email, Aconex or other approved communication database.

4.0 IMPLEMENT

4.1 STRUCTURE, RESPONSIBILITY AND ACCOUNTABILITY

The Construction Manager, or nominated representative prepares a project specific organisational chart to define lines of reporting and key names and positions or roles with EHS responsibilities specific to a workplace or project. The chart is outlined in Appendix 4.

Individual roles and responsibilities statements for each workplace may differ; therefore, templates are available on Source > Our Teams & Our People > Roles and Responsibilities. Appendix 5 outlines the EHS Responsibility/Accountability Matrix relevant to this project EHS MP and key responsibilities and accountabilities for EHS.

For all roles detailed in the project specific organisation chart, the responsibilities statement is agreed between the person employed in that role and the Construction/Line Manager. On commencement of a job role outlined in the project organisational chart each person employed in a role meet with the Construction Manager or their appointed line manager to review, discuss and where required agree to their roles and responsibilities statement and any amendments to that statement. The statement is signed and dated by both parties to the discussion as a record of consultation and agreement of the statement and its specific content. The current and signed statements are filed and their location referenced in Appendix 6 of this Plan and in addition all versions are recorded in the project collaboration tool.

Lendlease Building Pty Limited is the Principal Contractor with management or control of the project and its EHS. In addition, all subcontractors, consultants, suppliers and other contractors or workers are also required to comply with their employer's EHS Management System or equivalent and related Safe Work Method Statement(s) the LLB project EHS Site/Workplace Rules, the GMRs, Workplace Delivery Code and applicable legislative requirements.

4.2 TRAINING

The Construction Manager/Workplace Manager has overall accountability for project specific training.

4.2.1 Environment, health and safety training matrix

The LLB EHS Training Matrix identifies key Lendlease Building EHS management tasks as outlined in the LLB EHS MS and GMRs for the position holders or roles who undertake these tasks; and the competencies required for each position to implement these tasks effectively.

Project teams must complete the Planner based on the courses outlined in the Matrix and their team composition, individual roles and responsibilities. For example, rather than selecting all Foremen/Supversiors to complete Fire Warden, or First Attack Firem or Permit to Work training, the project team (the CM or appointed representative) will determine who from the project team will complete this training based on the allocation of duties and the project's needs including the location of the site and scope of work.

Once identified, the training will be determined as internal or external and tracked to completion with the completion date and validity date, i.e. the expiry date of the competency training.

The initial version of the Planner is to be developed by the Project team (led by the Construction Manager or appointed representative) and endorsed by the RBU/SBU EHS Manager and the Quality Manager (via an Aconex transmittal). For new projects this should be completed before the Pre-Construction Review Meeting.

Once developed, the EHS&Q Training Matrix and Planner should be reviewed every 6 weeks (to align with project reviews) in participation with the LLB project team members via the team meeting, pre-start, development discussion or equivalent. Once complete this is to be endorsed by the RBU/SBU EHS Manager via an Aconex (or equivalent) transmittal.

4.2.2 Subcontractors & Other Workers

The minimum training requirements for subcontractors and other workers at this workplace include:

- General Industry WHS/OHS Induction/Safety Awareness Training for the Construction Industry;
- Work activity consultation training in high risk construction work tasks or work that requires a high risk work licence and specific safe work method statements or related documents;
- Subcontractors or service providers may choose to manage construction work, which is not classified as high risk construction work or work that requires a high risk work licence, with their own EHS or equivalent company procedures or processes. It is a LLB requirement that all employees, workers or agents engaged by the subcontractor company have undertaken consultation and training in the content of these company procedures or processes and that evidence of such training is provided to LLB.
- GMR training completion by selective Subcontractor Supervisors for major trade packages that will be undertaking work at the project/workplace for greater 90 days;
- Front Line Leaders (Engage & Influence) Training (1 day) completion by selective Subcontractor Supervisors for major trade packages that will be undertaking work at the project/workplace for greater 90 days;
- Subcontractor supervisors complete training Conduct Local Risk Control for major trade packages that will be undertaking work at the project/workplace for greater than 90 days;
- Subcontractor Supervisors that issue and manage works covered by a Permit to Work must undertake familirisation training in the Permit To Work system;
- Evidence of competence for operators of all mobile plant (and quick cut/concrete saw) operators and prior to the employee operating that mobile plant and equipment.
- Note: a letter provided by the employer for mobile plant operation competence is not sufficient alone and each operator must also have a copy(s) of a licence/certificate issued by a State/Territory; or a Statement of Attainment /Certificate issued by an Registered Training Organisation; or evidence of a formal verification of competence assessment against defined competency standards.

- Lendlease Part A Induction completed every 3 years (online delivery link https://lendlease.cogniss.com/login?Subjects=orientation-part-a-buildingh
- Workplace specific (Part B) induction and completion of related induction knowledge assessment; and
- Relevant certificates of competency for work activity related training; e.g. confined space entry; high risk work for which a high risk work licence is required; and electrical work.

4.2.3 Records of Training

Records of Lendlease employee training are retained and are uploaded to the LLB Learning and Development repository Workday Learning and verified by the Regional EHS team.

Records of required qualifications, competencies and specific industry induction requirements for workers other than Lendlease employees (as required) are recorded at the time of induction and retained at the project/workplace.

4.2.4 Worker induction

All workers must complete the Lendlease Part A Induction prior to attending a constructions workplace for the first time.

Workers that have undertaken the Lendlease Part A Induction within the past three years are required to undertake a brief workplace induction only based on the LLB Workplace Induction Part B located on Source. This will generally include consultation arrangements at the workplace; PPE requirements, designated smoking areas (if permitted); incident reporting, emergency response planning and key personnel at the workplace, workplace specific impacts and hazards and any Client specific requirements. A knowledge assessment must be completed at the conclusion of the induction.

A photocopy of the subcontracting company's employees General Industry WHS/OHS Induction/Safety Awareness Training for the Construction Industry card is taken at the workplace specific induction and any high risk work licence card(s) held by each worker. Photo identification; e.g. drivers licence or passport (to confirm identity) must be sighted only (not photocopied due to Privacy considerations) following the induction to the project (or recorded by the Pegasus System) and the licence number or passport number recorded and listed on the LLB Induction Record Form

Persons (other than escorted visitors) unable to demonstrate completion of WHS/OHS General Industry Induction/Safety Awareness Training cannot be inducted nor enter the workplace to undertake construction works.

Students or other school/university candidates that seek temporary work experience at Lendlease Building construction projects are inducted to the requirements outlined above. In addition, the Lendlease Building Work Experience and Student Placement Procedure/Graduate EHS Placement Procedure and the requirements outlined in the Workplace Delivery Code under Work Experience, Young Workers and Student Placement must be implemented to ensure that risks related to a lack of experience in construction workplaces are minimised and a positive work experience outcome is achieved.

4.2.5 Visitor induction

All 'one-off' visitors (unlikely to return) to the workplace must be accompanied at all times by a person that has undertaken the workplace induction. All visitors sign the LLB workplace Visitor Register upon arrival and departure (including time of entry and exit).

Regular visitors (i.e. requiring access twice a month or more) and persons who undertake construction related work activities; i.e. those specifically defined as 'building or construction work', must hold the General Industry WHS/OHS Induction/Safety Awareness Training for the Construction Industry.

All visitors must wear the mandatory personal protective equipment specific to the site and must be informed of emergency response arrangements at the workplace.

Where multi-storey construction exists at the workplace, visitors also complete the LLB Visitor's Agreement and must be informed of perimeter exclusion zone (PEZ) requirements where access to, or work activity is required within 3m of a multi-storey live edge (i.e. the PEZ where full containment at the edge has not been achieved and gaps exist). This includes information on the use of tethers/ lanyards/containers or other restraint equipment to prevent fall of loose materials for their safety helmet, mobile phone, tools or other equipment.

Visitors that do not have restraint equipment fitted to their safety helmet or any other loose items they intend to use or operate at the site, e.g. mobile phone, clip board, camera, are not permitted within 3m of any live multi-storey perimeter exclusion zone edge; and acknowledge this risk mitigation measure in the Visitor's Agreement.

Tours, previews or inspections of LLB apartments or other buildings or structures under construction by prospective buyers, lessees or other is managed in accordance with the Lendlease Building Tours, Previews and Inspections Procedure and precautions outlined above to prevent fall of materials on multi-storey construction projects also apply.

4.3 CONSULTATION, PARTICIPATION, COMMUNICATION AND REPORTING

Consultation, participation and issue resolution is managed in accordance with the LLB Consultation Procedure. The Consultation Procedure and relevant WHS/OHS/OSH legislation requires project personnel to consult, participate, share and supply relevant project information with all workers or their representatives and persons conducting a business or undertaking or other subcontractors or service providers with management or control or work to ensure EHS management issues are appropriately discussed and agreed.

This includes the opportunity for workers to respond and contribute to EHS issues that affect their work environment through their workplace EHS Committee or EHS Consultation Group, Health and Safety Representative(s) (HSRs) or by other agreed arrangements between the employer and workers.

The meetings which communicate EHS matters at this workplace are listed in Appendix 7, which specifically outlines those requirements for communicating and consulting on high risk construction works, changes or out of sequence work routines and upcoming high risk construction work by subcontractors or LLB employees.

EHS consultation arrangements agreed at this workplace are identified by the 'marked-up' LLB EHS Consultation Statement. The marked-up statement is displayed in prominent locations at the workplace by the EHS Coordinator, together with the agreed LLB EHS Issue Resolution Flow Chart specific to the project.

The Construction Manager or nominated representative retains a record that demonstrates workers including employees and subcontractors were consulted on the method of EHS consultation agreed at the workplace e.g. LLB EHS Committee Meeting Minutes; election of EHS Committee members and LLB Toolbox Talk or Builder's Brief records.

Communication, consultation and participation of managerial and non-managerial workers on the project is also undertaken and documented through a combination of project meetings. These meetings can include (but are not limited to) Team, subcontractor and Pre-start meetings.

Subcontractors and other persons with management or control of a business or undertaking at LLB workplaces are required to consult e.g. a Toolbox Talk, with their employees on issues that may impact EHS and a record of this consultation is maintained and copies forwarded to the Construction Manager or a nominated representative.

Lendlease will discuss any recommended improvements by the ER or AA that may be made to station work practices to avoid or minimise adverse impact to the environment and to the community, including practices to avoid or minimise adverse noise and vibration impacts. Regular environmental management meetings are held by Sydney Metro (generally fortnightly), providing a formal pathway for the ER and AA to raise such recommendations. The ER and AA may also contact Lendlease directly (principal contact being the Environment Manager) at any time to discuss such recommendations.

Project specific community, Government agency and external stakeholders are further detailed in Appendix 12. The project Community Consultation Strategy is also further detailed in Appendix 12.

4.3.1 Union Right Of Entry

A holder of a Work Health and Safety (WHS) Entry Permit Holder AND an Entry Permit Holder under the Fair Work Act for the specific State/Territory in which the workplace is situated may enter a workplace to consult with relevant workers on WHS/OHS/OSH matters or for the purposes of inquiry into a suspected contravention of the WHS Act or related act in other states. Details of the requirements for entry by an Entry Permit Holder are outlined in the LLB Union Right of Entry Guideline under WHS Legislation and further detailed in the Safe Work Australia Right of Entry Legislative Fact Sheet.

Further details on EHS consultation, communication and reporting are outlined in the LLB EHS Management System Manual.

4.3.2 Display of environment, health and safety information

To ensure all workers have the opportunity to view, discuss and take note of EHS information, the EHS Coordinator or nominated representative displays the following information (as a minimum) at a prominent location(s) at the workplace, including notice board(s):

Lendlease Building Environment, Health & Safety Policy	Lendlease Injury Management & Return To Work Policy
Lendlease Building Smoke Free Policy	Lendlease Building Customer Complaints and Feedback Policy
Lendlease Corporation Harassment & Bullying Policy	Lendlease Building Fitness for Work, Drug and Alcohol Policy
LLB EHS Consultation Statement detailing the consultation arrangements agreed at the workplace	Agreed LLB EHS Issue Resolution Flow Chart specific to the project
Emergency evacuation diagrams including Evacuation Assembly/Muster Point(s)	Any special environment rules; e.g. flora or fauna protection specific to the workplace.
Site or Workplace EHS Rules Including hours of work	List and photograph(s) of Health & Safety Representative(s), EHS Committee / EHS Consultation Group members
Designated Workgroup members	Crisis Management Escalation Protocol
Amenities plan including first aid shed location	Current EHS Committee / EHS Consultation Minutes
Location of the Spill Kit	Current EHS Alert(s) not more than 6 months old
Personal Protective Equipment requirements	Top 5 Hazards of the week
Designated smoking areas (if any)	Areas where PPE is not required, e.g. Amenity areas
Lendlease Injury Management Workplace Injury poster	Incident Reporting Scheme Poster (State/Territory specific) available at Injury, Care and Recovery SharePoint.
Incident reporting flow chart (Commonwealth Projects)	Regulatory notices issued within the past 2 months

Emergency evacuation details and contact telephone numbers including:	
Construction Manager or nominated representative	Nearest hospital or emergency centre
First aid officer(s) – photo and contact no.	Nearest medical centre
Emergency Evacuation Diagrams (refer AS3745) displayed at required exits each all levels.	After hours emergency contact name and number able to be read from outside the site boundary
Emergency Call Poster first aid room and other emergency first response team member locations	Contact details determined by the Project Emergency Response Plan
Emergency evacuation required exits each level	HAZCHEM or other signage related to the storage or hazardous substances or dangerous goods at the workplace
Emergency Evacuation Assembly Area	

4.3.3 Toolbox talks, pre-start talks, Builder's Brief or other consultative arrangements

Workers and their supervisors conduct toolbox talk meetings, pre-start talks, Builder's Briefs or other consultative arrangements with those employees or workers under their direct supervision and record the meetings on the LLB Toolbox Meeting Template, Daily Pre-Start Record Template, Builder's Brief Template or equivalent subcontractor document.

A pre-start meeting is conducted daily by each workplace/subcontractor supervisor to discuss EHS matters from the previous day(s), the current day's activities, interfacing trade activities, changes to emergency access and related control measures and other relevant matters. The pre-start meeting is recorded on the Daily Pre-start Record Template, Builder's Brief or equivalent subcontractor document.

Other EHS related meetings are recorded formally where required by completing the LLB form EHS Meeting Minutes; e.g. where discussing SWMS for high risk construction work or work that requires a high risk work licence, a specific work task or other relevant EHS matters. Toolbox talks are undertaken at intervals that keep employees and other workers informed of conditions and changes to the workplace that may affect environment, health and safety.

A copy of daily Pre-start records, Toolbox Talk meeting records, Builder's Briefs records or other consultation meetings are retained and filed in accordance with the LLB Document Filing and Retention Procedure. Items listed for action are reviewed and progress is reported at the next meeting and subsequently until they are corrected.

LLB will ensure that communication and consultation on EHS matters occurs with all workers, including those with limited English or English as a second language. Where required, LLB in consultation with subcontractor employers will develop appropriate communication to consult with workers with limited English or English as a second language.

4.3.4 EHS Reporting

The project team undertakes reporting and recording of EHS matters to the Regional Business Unit /Strategic Business Unit and the EHS Head Office Service Function as required. All reports and records are collated to provide EHS statistics used to assist the business unit and EHS Head Office Service Function to identify trends in EHS performance, track progress against annual objectives and targets outlined in Appendix 3 and identify impacts/hazards and incidents across all projects and implement corrective action and preventative action.

The Construction Manager also ensures the following reporting activities occur and records and reports are undertaken and retained by relevant Lendlease personnel for audit purposes:

Comply with Sydney Metro Incident notification process: SM PS-FT-509 and ensure

- within 2 hours of a Sydney Metro notifiable incident a text/email is sent to Sydney Metro that specifies the date, time, geographic location, any known facts for the incident and whether it has been notified to the Regulator.
- Where the incident will escalate to a significant incident or crisis an immediate phone call is made to the Sydney Metro Representative or the Metro Safety Manager
- Within 24 hours, a written notification is provided to Sydney Metro, confirming details of the incident, using the Sydney Metro approved Incident Reporting and Investigation Database.
- For a Significant Incident, additional information must be provided to Sydney Metro upon request, including, but not limited to witness statements, interim investigation details, safe work method

statements pre-start briefs, or other.

- Notify the independent Environmental Representative of all Station environmental incidents as soon as practical.
- Notify the AA of all Station noise and vibration incidents as soon as practical.

- The Planning Secretary to be notified of Notifiable Station Environmental Incidents within 24 hours – refer to Table 1 and Section 4.7 for definition of notifiable station environmental incidents. Sydney Metro to notify the Secretary as required after initial reporting from Lendlease.
- The Department of Planning, Industry and Environment must be notified in writing immediately after Lendlease becomes aware of an incident. Refer to Table 1 and Section 4.7 for definition of notifiable OSD environmental incidents.
- Establish project reporting functionality within Enablon by submitting the Enablon "New Operation Request' form immediately once construction authorisation has been given.
- Special conditions and requirements (if any) documented in Appendix 10.
- Completed daily, weekly and monthly inspections and monitoring of EHS matters and project compliance to legislation and Lendlease Global Minimum Requirements (i.e. Lendlease Foreman/Supervisor/Engineers completes a High Risk Construction Work Observation via the Enablon Safety App; and completed EHS Weekly Inspection ; see Part 5 of this Plan more specific detail for more specific detail and frequency of inspections and observations).
- Complete Acute Risk Scenario Campaign reporting in Enablon, at maximum quarterly intervals and ensure third party or other reviews are completed.
- Report all EHS incident events and observations in Enablon.
- Immediately verbal report (and provide a follow up 5 point email within 2 hours) all EHS incident events that have: i) potential to trigger a critical incident event in Enablon; ii) potential to be Notifiable to a Regulator; iii) potential to trigger a crisis management event including media interest; iv) potential to involve attendance at the site by any emergency service or regulatory authority; v) potential to involve hospitalisation of any kind or a Workers' Compensation Claim; or vi) involve potential or actual material harm to the environment.
- Report incidents details within Enablon that have the potential to become a Lost Time Injury Incident or Workers' Compensation Injury within 24 hours;
- Report incident details within Enablon that have the potential to be classified as a Critical Incident; within 24 hours to enable a related incident notification to be published in Enablon not later than three working days after the incident.
- Complete incident investigation reports and related actions within the required time frames specified.
- Ensure Lendlease project personnel complete outstanding actions in Enablon within the required timeframe.
- Calculate and report project productivity hours and personnel numbers for both LLB and subcontractor personnel using the LLB Productivity Hours – Calculation Guideline with the total monthly productivity hours and personnel numbers entered into Enablon by the 2nd day after the end of the reporting month.
- Report on and provide all regulatory authority notices or other correspondence provided by regulatory authorities, local government or other within 5 working days to the Regional EHS Manager and Head Office EHS Service Function.

- Report on consolidated monthly data and progress against LLB Objectives & Targets at project reviews to senior management.
- Report on planned training completion progress at project reviews to senior management.
- Report on impacts and hazards or other non-conformities as incidents or observations in accordance with the following reporting table:

Table 1 – Incident Reporting

Incident reporting and related management of events and corrective and preventative actions are carried out in accordance with the LLB Incident Reporting and Management Procedure. A summary is provided below. Where any inconsistency between Table 1 and the requirements of the LLB Incident Reporting and Management Procedure exists, the requirements of the Procedure apply.

Occurrence/Incident/Report	Initiator	Action	Closing Responsibility
All incidents of injury, near miss, actual or potential significant material harm to the environment, plant, equipment or property damage	Project Team Members	Report immediately to the Construction Manager (CM) or nominated representative. Five-point email notification to LLB RBU and national managers within 2 hours. Note: Notification to Regulators to be made only after consultation with the Regional EHS Manager / EHS Manager Integrated Project has occurred.	CM
EHS Incident Event Reports	CM/EHS Coordinator	All incident events are to be entered in Enablon. Incident Investigation Report Template, OFSC Incident Investigation Form where required	CM
EHS Observations	Foremen/ Supervisors/Site Engineers	Daily observations entered in Enablon App	CM/SEs/ Foremen/ Supervisors
Identified incident events/ observations with potential consequence of large or very large outcome	All project personnel	Incident event or observation entered reporting in Enablon and close out tracked through Enablon. Observations with Large/Very Large potential nominated must have close out actions assigned and tracked to completion.	CM
Heavy Vehicle Transport to/from the Project greater than 4.5t gross vehicle mass and breach of heavy vehicle legislation, e.g. overloaded heavy vehicle at the waste facility weignbridge or road worthiness defect.	Project Team Members	Random observations of heavy vehicles for packing, loading and load restraint; mass and dimension; fatigue; vehicle standards and maintenance. Any observed or recorded breach incident recorded in Enablon, e.g. load shifted during transport, or defective vehicle, or heavy vehicle recorded or overloaded at the waste facility weighbridge or road worthiness defect.	CM
First Aid Injury	First Aid	Register of Injuries completed by First Aid Officer and entered in Enablon.	FA
Medical Treatment Injury (an injury where treatment is provided by a medical practitioner and returns to work without losing a shift of work).	First Aid	Through the appointed First Aid Officer, entered into Enablon within 2 working days (Note: Office Federal Safety Commissioner scheme projects will be further required to complete the OFSC Incident Report for the Regional EHS Manager to review prior to submission to the EHS Head Office Service Function.	FA

Occurrence/Incident/Report	Initiator	Action	Closing Responsibility
		Injured Employee treatments must be reported to Injury Management Function on 1800 825 055	
Lost Time Injury (an injury where a person loses a whole shift(s) due to a work related injury or illness)	First Aid	Through first aid officer/SM, reported within 24 hours in Enablon (or suspected LTI) and within 48 hours OFSC Incident Report.	FA
Workers Compensation/Rehabilitation/Return to Work	First Aid	Reported immediately to the Injury Management Function on 1800 825 055 Rehabilitation Monitoring Form (Return to Work) and Workers Compensation forms as required by the LLB Workers Compensation Return to Work Manager	FA
OFSC Incident Report (all LTIs and if OFSC Scheme project all MTIs and all Notifiable incidents)	SM/CM	Report to be completed in consultation with the project EHS Manager/EHS Coordinator and submitted to the Regional EHS Manager within 24 hours of incident being notifiable to the local authorities.	CM
Notices, Infringements or related show cause or similar correspondence served from a Government or Regulatory Authority or Industry Union	Regulatory Authority	CM or SM must provide copies to the Regional EHS Manager / EHS Manager Integrated Project and Head of EHS LLB Australia within 5 working days.	CM
Notifiable Environmental Incident (Station) Refer Section 4.7 for detail on definitions and reporting requirements.	Environmental Manager	Notify Sydney Metro as soon as possible. Sydney Metro to notify DPIE as required. DPIE to be notified as soon as possible and within 24 hours of any notifiable environmental incident (as defined below and in Section 4.7). Notifiable Environmental Incident: An occurrence or set of circumstances that causes, or threatens to cause, material harm to the environment, community or any member of the community, being actual or potential harm to the health or safety of human beings or to threatened species, endangered ecological communities or ecosystems that is not trivial.	Environmental Manager
Notifiable Environmental Incident (OSD) Refer Section 4.7 for detail on definitions and reporting requirements.	Environmental Manager	DPIE to be notified as soon as possible and within 24 hours of any notifiable environmental incident (as defined below and in Section 4.7). An incident is considered as an occurance or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance.	Environmental Manager
ER Incident Notification (Station)	Environmental Manager	ER to be notified of all environmental incidents as soon as practical. ER requirements to review incident notifications is detailed in Section 4.7.	Environmental Manager
AA Incident Notification (Station)	Environmental Manager	AA to be notified of all noise and vibration incidents as soon as practical. AA requirements to review incident notifications is detailed in Section 4.7.	Environmental Manager

4.4 DOCUMENT AND DATA CONTROL

EHS documents are identified and controlled in accordance with the Lendlease Building Management System document identification and control process located on Source. The current version of EHS documents only are used at the workplace and are available from Source whenever required. Procedures become 'uncontrolled' from the date of retrieval, downloading or printing from Source. The EHS Head Office Service Function circulates document additions, changes or deletions by regular e-mail revision updates. The process is further outlined in the LLB EHS Management System Manual.

All EHS records for this workplace are filed in accordance with the LLB Document Filing and Retention Procedure. Further information is provided in the LLB EHS MS.

4.5 IMPACTS/HAZARDS IDENTIFICATION, RISK ASSESSMENT AND RISK CONTROL

All work activities undertaken by Lendlease employees, subcontractors or other workers at the project workplace are carried out in accordance with LLB policies, procedures, Global Minimum Requirements, Workplace Delivery Code, WHS/OHS/OSH legislation, environment protection legislation and relevant standards and codes. These requirements, as related to a specific high risk construction work activity or work that requires a high risk work licence, identified in the project Impacts & Hazards Risk Assessment, are included in the respective Safe Work Method Statement specific to the works to be carried out. High risk construction work is defined in the LLB High Risk Construction Work Poster.

4.5.1 Management of Subcontractor EHS

All Subcontractors must provide the following documents prior to commencement of works:

- A SWMS for all work classified as high risk construction work or high risk work that requires a high risk work licence;
- A Training & Skills Register outlining the training and qualifications of the subcontractor's employees or other workers or agents engaged by the subcontractor. The Training & Skills Register must outline evidence of training consistent with the minimum requirements for subcontractors outlined in Part 4.2.3 of this Plan.
- A Plant & Equipment Register for all items of plant and equipment to be brought to the site outlining the inspection and maintenance of that plant and equipment to the manufacturer's requirements and relevant Australian standards. Appendix 8 of this Plan Plant Equipment & Processes Inspection & Testing Schedule outlines key requirements;
- A Safety Data Sheet (or Material Safety Data Sheet) for all products, goods or substances or dangerous goods to be brought to the site for use;
- A Hazardous Chemicals Register for all materials, products, dangerous goods or substances to be brought to site that are classified as hazardous by the Safety Data Sheet or Materials Safety Data Sheet;
- An inspection and test register for all portable electrical tools and electrical equipment to be brought to the site for use;
- A formal process for incident investigation;

- A Waste Management Plan including a minimum of two waste strategies on how the subcontractor will eliminate or reduce waste to landfill by promoting recycling or recovery.
- Additional environment or health and safety management plans where identified by Lendlease (e.g. sedimentation control, dust control, exposure monitoring and health surveillance and noise control), as identified in the project Impacts & Hazards Risk Assessment as a moderate or above risk ranking.
- Inspection and Test Plans which relate to the scope of works must be developed from the SWMS to review the control measures outlined for all plant, equipment and work processes.

Review of the above requirements is undertaken by completing the Lendlease Building Subcontractor Works To Proceed EHS Checklist.

Specific high risk work activities as defined by the Lendlease Global Minimum Requirements and the LLB Permit To Work Procedure are controlled through the use of a Permit To Work (PTW) System. The PTW system is implemented to the requirements of the LLB Permit To Work Procedure. Specific high risk work tasks that require a Permit To Work include:

- Confined Space Entry; Excavation/Ground Penetration; Isolation of Energised Systems; Hot Works; Drill, Cut, Core; Work Within a Ceiling Void; Tower Crane Erection, Alteration, Dismantle; Works Near Overhead Assets /Powerlines and Safety Harness where used as the primary method of fall prevention.

Each permit to work must be completed by the Foreman/Supervisor (i.e. a designated PTW Officer) in control of the work area where the high risk work will be undertaken, prior to the commencement of the work and any related control measures monitored, including any inspections identified on the permit when issued.

4.5.2 Safe Work Method Statements

A SWMS must be developed (or provided by subcontractor) for all high risk construction work and work that requires a high risk work licence prior to commencement of the work. **NOTE:** SWMS developed for plant requiring a High-Risk Work Licence requires assessment and reference of the Plant Risk Assessment and verified through the SWMS Review Checklist. Where a SWMS is developed by LLB for its employees that carry out high risk construction work or work that requires a high risk work licence, it is prepared on the LLB Safe Work Method Statement Template by the Foreman/Supervisor in control of the works in consultation with relevant employees or other workers that will undertake the works. Subcontractors may elect to use their own SWMS template.

The SWMS content must include any construction related health and safety hazards and risks and environment aspects and impacts specific to the works and their related control measures identified in the LLB project Impacts & Hazards Risk Assessment. Where the health and safety hazards and risks and environment aspects and impacts identify a Lendlease Global Minimum Requirements GMR4 risk event at least one engineering control measure and one mitigating control measure as identified in GMR4 must be outlined EHS in the SWMS for the works to be carried out by the subcontractor or other LLB employees. All control measures must be consistent with the Hierarchy of Control.

Note that this means where any of the 20 x GMR4 risk events apply, activities must be managed by implementing the controls and performance standards prescribed against each GMR risk event or an alternative control measure, which achieves an equivalent or greater control. These control measures must be in place before works can commence.

4.5.2.1 Consultation in Safe Work Method Statements

Subcontractor company employees or their agents (other workers) must undertake consultation and training in the contents of the site specific SWMS(s) related to their high risk construction work activities or work that requires a high risk work licence as outlined by legislation and Part 4.2.3 of this Plan. Subcontractor

company employees or their agents (other workers) are required to sign their acknowledgement of this consultation and training as part of the SWMS implementation process.

Foremen/Supervisors must review and sign all SWMSs that apply to workers under their control. This requirement is to ensure that Foremen/Supervisors are aware of the safe work methods and related control measures for all high risk construction work activities and work which requires a high risk work licence, for which they have oversight and supervision.

4.5.3 Review of Safe Work Method Statements and Change Management

The SWMS for high risk construction work or work that requires a high risk work licence must be formally reviewed by the Construction Manager, or nominated representative(s), in conjunction with the LLB Foreman/Supervisor or Area Supervisor that will oversee the high risk construction work. The review is undertaken by completing the LLB SWMS Review Checklist. The LLB EHS Risk Management Procedure provides further information on the definition of high risk construction work and SWMS requirements.

Consultation in high risk construction work activities is outlined in Part 4.3 of this Plan and Appendix 7.

All SWMS must be formally reviewed by the Foreman/Supervisor of the subcontractor or Lendlease works at maximum monthly intervals for the duration of the works.

Where a change in the scope of work is proposed and relates to high risk construction work or work that requires a high risk work licence the SWMS must be reviewed and amended where applicable to include this change before the works can proceed.

4.5.4 Verification of Competence

Subcontractor workers and Lendlease workers are required to provide evidence of competency for all high risk work that requires a High Risk Work Licence. This evidence can be verified by the provision of a current High Risk Work Licence relevant to the high risk work to be completed. Oher supplementary evidence can include certificates or statements of attainment from a recognised learning institution or training organisation for other works not classified as high risk, e.g. manual handling and asbestos awareness.

For mobile plant and equipment operators, subcontractor workers and Lendlease workers are required to provide evidence of the competence prior to any worker operating mobile plant, further outlined in the LLB Workplace Delivery Code. In brief, a letter provided by the Employer is not sufficient to evidence competence to operate mobile plant and equipment. For competence to be evidenced one of the following must be provided:

i) a high risk work licence/certificate issued by a State/Territory; OR

ii) a Statement of Attainment /Certificate issued by an Registered Training Organisation; OR

iii) evidence of a formal verification of competency assessment against defined competency standards for the specific mobile plant or equipment to be operated.

Note that operators of Tower Cranes; Forklift/Telehandler/Motorised (self-propelled) Pallet Trolleys must provide evidence of formal VOC assessment against defined competency standards at three yearly intervals specific to the item of plant being operated, in addition to any High Risk Work Licence already held by the operator.

The Operator of a Quick Cut /Concrete Saw proposed for use on a Lendlease Building Project must verify formal training in the safe operation of the saw.

The Subcontractor Guide to EHS outlines further mandatory EHS requirements required of subcontractors including (but not limited to) labour hours, waste reporting and waste reduction plans.

4.5.5 Impacts/hazards identification, control and monitoring

Impacts and hazards related to the workplace are recorded in the Project Impacts & Hazards Risk Assessment. To ensure the IHRA remains current it must be reviewed:

- during project coordination meetings when reviewing the next 4-6 weeks of activities and related GMR independent engineer reviews for acute risks; and
- at maximum of six (6) weekly intervals and verified through the Project Review Meetings process by the Construction Manager, or a nominated representative, to ensure currency and accuracy. The review is to include the participation of the project team (including non-managerial workers) through a combination of Project, EHS Committee, Pre-starts and Toolbox meetings with evidence of participation documented within the minutes.
- Reviewed project high risk activities are to be tabled at the EHS Committee/HSR for consultation

Workers are encouraged through the workplace specific induction, tool box/pre-start talks and other consultative forums to identify and control health and safety hazards and risks and environment aspects and impacts on a 'see and fix' basis where reasonably practicable to do so and to immediately report these impacts and hazards to their supervisor or Lendlease personnel.

Monitoring of the workplace is carried out in accordance with Part 5 of this Plan.

Where high risk impacts or hazards present an imminent or immediate risk of serious harm to a worker is identified that specifically relate to a work area or work task under the control of Lendlease, a subcontractor or other worker due to ineffective or inadequate control measures, the work task shall be stopped. Consultation must then be undertaken with key stakeholders including relevant workers involved in the task to achieve the required control measures as defined by Part 4.3 of this Plan and Appendix 7.

All incident events and observations must be entered in Enablon and related non-conformities must be issued by the Foreman/Area Supervisor with corrective action instigated and agreed by the relevant subcontractor supervisor, which is then tracked to completion in Enablon.

Where faulty or defective plant and equipment is identified, which has the potential to impact on health and safety or the environment it is isolated from use and physically locked out to prevent unauthorised or inadvertent use as detailed in Part 5 of this Plan.

Exposure to Hazardous Chemicals and other airborne contaminants which are a risk to human health and a moderate or greater risk must be identified in the LLB Impacts & Hazards Risk Assessment developed for each workplace and further information is provided in the LLB EHS MS, the LLB Workplace Delivery Code under Occupational Health & Hygiene and the LLB Exposure Monitoring and Health Surveillance Procedure.

4.6 EMERGENCY RESPONSE AND EVACUATION

The Construction Manager, or a nominated representative, in conjunction with other appointed LLB personnel develops an Emergency Response Plan (ERP) for the workplace including an emergency contact list to be displayed on the workplace notice board and at other prominent locations. The emergency response contact list is included in the ERP.

Each workplace has a documented site specific Emergency Response Plan (ERP) prepared in accordance with the LLB Emergency Response Procedure and regularly tested in accordance with the table in this section. The LLB Emergency Response Management Sub Plan Template accessed from Appendix 1 can be used as a basis to develop the required workplace specific ERP.

Where an Ambulance is called to attend a workplace injury, a Standby Person will be nominated and positioned at the main entry to the workplace to assist Ambulance Officers to locate and attend the injured person as required by the LLB Emergency Response Procedure. A completed Lendlease Emergency Call

Poster is displayed at the workplace to provide a summary of information required when making an emergency call; e.g. street address and nearest cross street.

The Emergency Response Plan Management Sub Plan (ERP) is reviewed and tested as follows:

Item	Action required & pass/fail requirement	Frequency						Record
		Wee	Mon	Qua	6 m	Yea	5 ye	
Emergency Response Management Sub Plan (ERMSP)	Check content and continued relevance to facility/workplace/site including assessment of Evacuation Assembly Area			☒				Review maximum quarterly intervals with revision updates. Quarterly Independent Audit review
Emergency Control Organisation (ECO)	ECO personnel requirements comply with the ERMSP and AS3745			☒				Emergency Control Organisation (ECO) appointed for the project
Fire equipment	Fire extinguishers, hose reel or other. Attached compliance tags. Inspection and maintenance by service provider				☒			EHS inspections, Register of Fire Extinguishers maintained in the workplace where 10 or more extinguishers exist.
	Fire extinguishers located at each required exit, hose reels or other. Seals intact. Charged extinguishers in place at relevant locations.				☒			EHS inspections, EHS Committee Minutes. Compliance tag verification and record of inspection and testing at 6 monthly intervals displayed on the tag.
	Fire risers, hose reels and booster valves for multistorey buildings under construction greater than 12m high comply with NCC E1.9		☒					EHS Site Assessment Checklist
	Pressure alarm to risers for multistorey buildings under construction greater than 12m high		☒					Logbook maintained by service provider. Monthly pressure check or test after any riser alteration Recorded in EHS Site Assessment Checklist or EHS Observation Enablon.
Evacuation equipment	Emergency lighting		☒					Logbook maintained by service provider.
Emergency Warning equipment	Emergency Warning and Intercommunication System (EWIS)		☒					Logbook maintained by service provider. Monthly test or test after any relocation recorded in EHS Site Assessment Checklist
Emergency Warning equipment	Fire alarms (audible & visual) to welfare areas.		☒					Logbook maintained by service provider.

Item	Action required & pass/fail requirement	Frequency						Record
		Wee	Mon	Qua	6 m	Yea	5 ye	
								Monthly test or test after any relocation recorded in EHS Site Assessment Checklist
Evacuation Drill	Evacuation exercise compliance with the emergency response plan (ERMSP) and GMR				☒			EHS Committee Minutes, Completed LLB form Emergency Event Evaluation Form or through the Enablon Inspection App
Emergency Event Drill	Emergency scenario response (taken from ERMSP Identified emergency scenarios)				☒			Completed LLB form Emergency Event Evaluation Form or through the Enablon Inspection App
Emergency Evacuation Awareness Training	All workers on site have undertaken the site induction that includes emergency evacuation awareness							Induction Records
Emergency Control Organisation and Emergency Response Team Training	Project ECO & ERT members undertake formal emergency response training – wardens and others						☒	Training records
Evacuation Assembly area(s)	Nominated areas checked as suitable and relevant to ERMSP	☒						EHS Inspections

4.7 NOTIFIABLE ENVIRONMENTAL INCIDENTS

All environmental incidents will be managed as per the Lendlease Incident Reporting and Management Procedure.

In addition to the standard definitions and notification requirements in the Lendlease Incident Reporting and Management Procedure, the following project specific environmental incident definition and notifications are required;

4.7.1 Station

Immediate notification will be provided to Sydney Metro by telephone initially and followed up in writing within 48 hours, of any breach, potential breach, non-compliance or potential non-compliance with the CSSI conditions of approval, requirements of any of the environmental documents or relevant legislation. The ER will be immediately notified of any such incidents and review notification of incidents in accordance with MCoA A41. The AA will be notified of noise and vibration incidents and will review notification of these incidents in accordance with MCoA A41.

DPIE notification requirements are outlined in CSSI approval A41-A44 as tabulated below. Any incidents meeting this definition will be notified to the Secretary in accordance with these requirements. Sydney Metro will undertake the notification to DPIE based on information/notification from Lendlease.

CSSI approval	Requirement
A41	The Secretary must be notified as soon as possible and in any event within 24 hours of any incident. *Note: An incident in regards to this condition is defined as an occurrence or set of circumstances that causes, or threatens to cause, material harm to the environment, community or any member of the community, being actual or potential harm to the health or safety of human beings or to threatened species, endangered ecological communities or ecosystems that is not trivial*
A42	Notification of an incident under Condition A41 of this approval must include the time and date of the incident, details of the incident and must identify any non-compliance with this approval.
A43	Any requirements of the Secretary or Relevant Public Authority (as determined by the Secretary) to address the cause or impact of an incident reported in accordance with Condition A41 of this approval, must be met within the timeframe determined by the Secretary or relevant public authority.
A44	If statutory notification is given to the EPA as required under the POEO Act in relation to the CSSI, such notification must also be provided to the Secretary for information within 24 hours after the notification was given to the EPA.

4.7.2 Over Station Developments

The Department of Planning, Industry and Environment must be notified in writing to **compliance@planning.nsw.gov.au** immediately after Lendlease becomes aware of an incident. The notification must identify the development, and set out the location and nature of the incident. This applies to works under the applicable Construction Certificate issued for the development. An incident is considered as an occurance or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance.

SSD approvals	Requirement
A17	The Department must be notified in writing to compliance@planning.nsw.gov.au immediately after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one), and set out the location and nature of the incident. This applies to works under the applicable Construction Certificate issued for the development.
A18	Subsequent notification must be given and reports submitted in accordance with the requirements set out in Appendix 1 (of both SSD 9270 and SSD 9326).

4.7.3 EPA Notification

The EPA must be notified immediately of all pollution incidents that cause or threaten material harm to the environment.

Harm to the environment is “material” if the effect (or potential effect) from an incident on the health or safety of humans or ecosystems is not trivial and or results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding $10,000. Incidents requiring notification to the EPA must also be immediately notified to the Regional Environment and Sustainability Manager.

If an incident presents an immediate threat to human health or property, 000 is to be called in accordance with the procedures outlined in the Construction Health and Safety Management Plan.

The EPA Environment Line is to be contacted on 131 555.

The notification will need to include information on:

- The time, date, nature, duration and location of the incident

- The location of the place where pollution is occurring or is likely to occur
- The nature, the estimated quantity or volume and the concentration of any pollutants involved
- The circumstances in which the incident occurred (including the cause of the incident, if known)
- The action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution
- Other information prescribed by the regulations

In addition to notifying the EPA of pollution incidents other authorities as outlined below must also be notified immediately:

- The Ministry of Health (via the local Public Health Unit – (02) 9391 9000)
- SafeWork NSW (13 10 50)
- City of Sydney Council – (02) 9265 9333
- Fire and Rescue NSW on 000

Regardless of the actual or potential impact, these authorities must be notified under the amended legislation for all notifiable pollution incidents. Further information in relation to the incident must be provided immediately if it becomes available after the initial notification. Records of contact with and details of the information provided to external authorities must be maintained in the project records.

5.0 IMPROVE

5.1 MONITORING OF THE WORKPLACE

Monitoring of the workplace includes those actions required to verify that the management of Environment, Health & Safety (EHS) conforms to the LLB EHS MS, Lendlease Global Minimum Requirements for EHS, legislation and related codes or standards and other compliance requirements applicable to the workplace, such as Development Approvals and Development Conditions.

The project workplace is monitored and inspected as follows:

Workplace Monitoring Schedule				
Task	**Type of Monitoring**	**Monitoring By**	**Frequency**	**Record**
General work areas	Hazard / Impact Observations	Project Engineers	Number consistent with Objectives and Targets	Enablon Safety App Observation completed
Impacts & Hazards Risk Assessment	Project Reviews	Construction Manager	Ongoing	Six weekly Project Review Meeting Minutes Updated IHRA
Acute Risk Scenarios	Quarterly Campaign Project Review Meetings	Construction Manager/ Project Engineers	Ongoing	Completed Enablon Quarterly Campaign Six weekly Project Review Meeting Minutes
High Risk Construction Work/ High Risk Work Observations requiring a licence in a specific area/ or a Permit to Work	Enablon App	LLB Area Foreman/ Supervisor	Daily	Completed LLB Enablon Observation of High Risk Activity.

Workplace Monitoring Schedule				
Task	**Type of Monitoring**	**Monitoring By**	**Frequency**	**Record**
Subcontractor work activities	Work Activity EHS Inspection	Subcontractor Area Foreman/Supervisor	Daily	Completed Subcontractor's EHS Inspection Checklist
All general work areas including plant and equipment	Weekly EHS Inspection	Site Manager, EHS Coordinator, EHS Committee/ EHS Consultation Group Weekly inspections by LLB to include Subcontractor participation for the entire inspection.	Weekly	Completed EHS Weekly Site Inspection Form EHS Committee/ EHS Consultation Group Minutes
All general work areas including plant and equipment	EHS Inspection	Construction Manager	Maximum Monthly intervals	Completed EHS Site Assessment Checklist.
Public interface areas	Hoardings/ gates or other outward facing elements.	Competent person	Daily or as determined by the IHRA.	Completed Fencing Hoarding Inspection Checklist
EHS Monitoring DA Conditions or other	EHS monitoring identified by the IHRA e.g. noise, water quality or other.	Competent person	As required	Completed LLB forms or equivalent: Noise Monitoring Register Water Quality Register Monitoring outlined in EHS sub-plans such as Occupational Health & Hygiene
Waste monitoring	Dockets verifying: 1) waste classification, 2) waste generator, 3) waste transporter, 4) Facility receiving the waste	Construction Manager	Monthly	Dockets verifying all waste removal, transport and disposal from site. Subcontractor waste reduction initiatives – see Part 4.5.1 of this Plan
Calibration of EHS Monitoring equipment	Manufacturer's calibration	Competent person	As required	Calibration Certificate
Heavy Vehicle Transport Laws (Chain of Responsibility	Random observations of heavy vehicles for packing, loading and load restraint; mass and dimension; fatigue; vehicle standards and maintenance	Construction Manager	As required, as per the CoR Management Sub Plan	Enablon Observation App. Any observed or recorded breach incident recorded in Enablon, e.g. load shifted during transport, or defective vehicle, or heavy vehicle recorded as overloaded at the waste facility weighbridge or road worthiness defect
Subcontractor Works	EHS&Q Subcontractor Audit	Construction Manager/ Nominated Representative	High Risk Construction Work and High Risk Work trades and/or	Completed Schedule of Subcontractor Audits based risk profile.

Workplace Monitoring Schedule				
Task	**Type of Monitoring**	**Monitoring By**	**Frequency**	**Record**
			trending of At Risk Observations related to a subcontractors performance.	Completed LLB EHS&Q Subcontractor Audit with close out actions verified.
ER inspections (Station)	Independent inspection	ER and Environmental Manager (or delegate)	Typically monthly, at the discretion of the ER.	ER site inspection record. Refer Section 5.6 for detail.
AA inspections (Station)	Independent inspection	AA and Environmental Manager (or delegate)	Completed on an 'as-needs' basis at the discretion of the AA.	AA site inspection record. Refer Section 5.6 for detail.
DPIE compliance inspection	Regulatory authority compliance inspection	DPIE and Environmental Manager (or delegate)	As requested by DPIE	DPIE site inspection record. Refer Section 5.6 for detail.
Independent Environmental Compliance Audit	External/Independent Audit	Independent Environmental Auditor and Environment Manager (or delegate)	As directed by Sydney Metro (Station) or as per SSD Independent Audit Program submitted under SSD condition C7.	Independent Environmental Auditor audit report. Refer Section 5.5 for detail (Station). SSD Independent Audit Program submitted under SSD condition C7. Independent Audits completed as per SSD conditions C8 and C9.
CSSI Compliance Reporting	Compliance Reporting	Environmental Manager (or delegate)	Quarterly	CSSI Compliance Tracking Report. Refer Section 5.5 for detail.
SSD Compliance Reporting	Compliance Reporting	Project Manager / Certifier	Single report pre-construction, at intervals, no greater than 26 weeks from the date of commencement of construction	SSD Compliance Reports. Refer Section 5.5 for detail.
Groundwater Monitoring Report	Environmental monitoring report	Environmental Manager (or delegate) and geotechnical consultant	6 monthly	Groundwater Monitoring Report. Refer Section 5.6 for detail.
Noise and Vibration Monitoring Report	Environmental monitoring report	Environmental Manager (or delegate) and noise and vibration consultant.	6 monthly	Noise and Vibration Monitoring Report. Refer Section 5.6 for detail.

In consultation with Sydney Metro and Macquarie a compliance schedule will be developed to maximise the combined use of current LL and stakeholder compliancing actions (audits and inspections) to minimise impact on the project. The schedule will be maintained in the Project EHS Filing.

Environmental monitoring programs for noise and vibration monitoring and groundwater monitoring are detailed further in Section 5.6 and the corresponding subplans.

5.2 MONITORING OF PLANT, GOODS, EQUIPMENT AND PROCESSES

The monitoring of plant, goods, equipment and processes to determine the effective management of EHS at this workplace is determined in accordance with the schedule outlined in Appendix 8 – Plant, Equipment & Processes Inspection & Testing Schedule of this Plan.

5.2.1 Incoming Plant and Equipment

Plant and equipment provided must be fit for purpose and comply with the manufacturer's recommendations and relevant Australian standards and be supplied with the following required items not limited to:

- A register listing the plant and equipment and its current and ongoing inspection and maintenance regime;
- Records of current inspection and maintenance (see Part 5.2.4 of this Plan);
- A risk assessment specific to the plant or equipment, including any attachments to the plant proposed for use
- The plant has controls to meet site specific hazards identified in the IHRA (eg silica, identification of ROP's, TOP's and FOP's).
- Evidence of the competence of the Operator in the use of the plant and equipment as outlined by Part 4.4.5 of this Plan.
- Evidence of the Plant Item Registration and the Plant Design Registration issued by the relevant WHS/OHS/OSH State/Territory for those plant items as outlined in Appendix 8.

Incoming plant and equipment is checked by using any, or a combination of the following checklists: the LLB Plant and Equipment Inspection Checklist appropriate for the item of plant and the LLB Lifting Gear Inspection checklist or equivalent subcontractor lifting gear checklist and register. Records of LLB plant and equipment procured by Lendlease are maintained in the LLB Project Plant Register or the LLB Lifting Gear Register and subcontractors maintain an equivalent register for their procured plant and equipment.

The requirements of the Mobile Equipment Tag Procedure apply to all incoming plant and equipment covered by that procedure to provide a visual indication that those items of plant and equipment have been reviewed and are ready for use.

Where the assessmbly of high risk plant and equipment on site is required (e.g. piling/ drilling rigs, tower cranes, mobile cranes, concrete pumps, hoists) verification of commissioning/assembly in accordance with the manfacturer's requirements is to be provided to Lendlease prior to the commencement of operation.

5.2.2 Incoming Goods

Incoming purchased goods (including products or materials) with the potential to impact environment, health and safety must conform with the National Construction Code and applicable Australian or international standards. Goods identified as non-conforming goods are removed from service, secured against further use, recorded in Aconex as part of the Lendlease Quality System, then returned to the supplier. If the goods remain on-site pending verification by the supplier or rectification, they are quarantined to prevent inadvertent use and marked or otherwise identified as quarantined and not for use.

5.2.3 Calibration

Calibration of EHS measuring and testing equipment is carried in accordance with the requirements of the LLB Calibration of Equipment for EHS Monitoring Procedure. Calibration is carried out to ensure that the precision of Lendlease and subcontractor EHS measuring and testing equipment is accurate, is of the proper range and type and is able to verify conformance to company, client and legislative requirements.

5.2.4 Plant and Equipment Installation/Dismantling/Inspection/Maintenance

Proposed installation, inspection, maintenance and dismantling of plant on the project is risk assessed to determine if the works can be undertaken off the project. All works must be carried out to the requirements of GMR4.3.6 and where a risk exists of workers being struck by components a physical exclusion zone must be established and maintained around plant or equipment that is being installed, inspected, modified or dismantled.

In particular, precautions around the following are highlighted: dangerous energy (e.g. lock out/isolation against inadvertent start up), stored energy (e.g. charged, tensioned, pressurised, or sprung components with potential for sudden release, including contact with electricity); instability of large components and overturning/toppling and entanglement or entrapment (e.g. concrete boom pump heads, tower crane sections).

Inspection and maintenance of all plant and equipment is undertaken by a competent person (e.g. Plant Owner, Plant Mechanic and Plant Engineer) prior to use at a LLB workplace and as per the manufacturer's specification. In addition, it is important that competent personnel working on such plant or equipment (e.g. Fitters/Mechanics) ensure that they position themselves and others out of, or away from, the line of fire of any potential stored (dangerous) energy release and that this energy is isolated and locked out in accordance with basic risk management principles.

In addition to routine inspection and maintenance, competent persons undertake and document monitoring and inspections of plant and equipment prior to use (pre-start check by the operator), daily or at intervals specified by the manufacturer. The pre-start check by the Operator is recorded in the pre-start check record booklet provided by the owner/manufacturer of the plant.

In some instances, plant and equipment may require further inspection and certification by qualified personnel where the configuration can be altered (e.g. cranes and hoists).

Subcontractors are required to maintain inspection and test records and a Plant Register(s) for their plant and equipment located on the site. LLB is required to maintain inspection and test records and a Plant Register(s) for its plant and equipment on the site.

Maintenance of hired plant and equipment is the responsibility of the supplier/hire company. If a supplier/hire company fails to maintain its plant and equipment and site inspection reveals the equipment requires maintenance/repair, or has the potential to create risks to environment, health and safety, the plant and equipment is quarantined, locked out to prevent unauthorised or inadvertent operation and as a secondary measure an Out Of Service Tag attached/displayed. Personnel will inform their supervisor who in turn will ensure the supplier/hire company complies with its maintenance requirements.

Faulty or defective plant and equipment, which has the potential to impact on health and safety or the environment are removed from service by the worker or their supervisor who has identified the fault and locked out and tagged out in accordance with the LLB Lock Out Tag Out Isolation Procedure or equivalent contractor procedure.

5.3 NON-CONFORMITIES AND CORRECTIVE/PREVENTATIVE ACTION

Non-conformities or defects and related corrective/preventative actions identified at LLB workplaces must be implemented in a timely manner to prevent recurrence of the non-conformity or defect and tracked to

resolution by the Construction Manager/Workplace Manager or a nominated representative. Corrective and preventative actions must be consistent with the Lendlease Global Minimum Requirements for EHS and the Hierarchy of Control. This includes EHS action items from reviews, audits, workplace inspections/ assessments, impact/hazard notification reports, opportunities for improvement, incidents and observations.

Action items raised as a result of incidents, observations and audits shall be entered in Enablon and corrected in a timely manner to prevent recurrence. Project teams should also review subcontractor performance based on 'at risk' observations and audit non conformities to determine if the Subcontratcor EHS&Q audit frequency should be increased based on risk profile. Refer to table 5.1

Actions implemented as a result of a critical incident where a worker(s) was exposed to imminent or immediate risk of serious harm or there was actual or potential material harm to the environment; must be monitored to evaluate their effectiveness for a period of 30 to 60 days.

Regional EHS Managers or the Head of EHS Integrated Projects shall monitor and track the closure of non-conformities and any corresponding corrective or preventative actions raised from incidents, observations and audits. Where non-conformities are not resolved (i.e. corrective/preventative actions implemented) within 30 days they shall be elevated to the Lendlease Building Head of EHS Lendlease Building Australia for resolution.

All environmental non-conformances will be reported via Enablon and, for Station works, notified as soon as practical to the ER and Sydney Metro. From the information entered into Enablon, corresponding non-conformance reports can be produced. Within 48 hours, non-conformance reports for Station works will be issued to the independent Environment Representative and Sydney Metro for environmental non-compliances raised on the project.

It is noted that notifiable environmental incidents as defined in Section 4.7 will be administered as per the requirements of this section.

Further information is contained in LLB EHS MS Manual. Where non-conformities are not resolved (rectified) within 30 days they shall be elevated to the Head of EHS LLB Australia for resolution.

5.4 MONITORING & ACTIONS ARISING

Where the results of monitoring of the workplace and related plant, equipment, environment, processes, goods, conditions or a critical incident occurrence identifies risks that are ranked as moderate or above the Construction/Workplace Manager, or a nominated representative, reviews the Project Impacts & Hazards Risk Assessment to determine:

- the adequacy of the content of the risk assessment; i.e. if the hazard and risk or aspect and impact related to the non-conformity or other monitoring is included in the risk assessment; and
- the effectiveness of control measures consistent with the Hierarchy OF Control and GMR 4; for short term and long term duration; and
- the effectiveness of monitoring activities related to each moderate or above impact or hazard listed in the IHRA.

The time frame for rectification of actions raised by any inspection, audit, non-conformity or other monitoring activity, or a critical incident occurrence is determined by the Regional EHS Manager / EHS Manager Integrated Project but shall not exceed 30 days.

5.4.1 Incidents at the workplace

Workplace environment, health and safety incidents are reported immediately on becoming aware of the incident and not later than 24 hours after the incident in accordance with the LLB Incident Reporting and Management Procedure. Information regarding the incident event must be entered into the LLB Intranet

reporting system Enablon. The LLB Register of Injuries or the equivalent Enablon entry is completed where a worker has been injured and the workers employer must be notified notified.

Incidents involving injury, near miss, damage to plant and equipment, and actual or potential harm to the environment are managed in accordance with the LLB Incident Reporting and Management Procedure.

Where an incident meets the criteria of notifiable to a Regulator, the incident scene must be protected (preserved) and not disturbed until the Regulator formally advises release of the area. This notification must occur in a timely manner as required by legislation and except in exceptional circumstances, would normally occur after discussion with the Regional EHS Manager / EHS Manager Integrated Project.

Critical incidents and notifiable incidents involving emergency services and the regulatory authority(s) require immediate notification to the Construction Manager, or nominated representative and the Regional EHS Manager / Head of EHS Integrated Project.

Where an incident at the workplace may be classified as a Crisis the Construction Manager notifies the incident in accordance with the reporting structure outlined in the Crisis Incident Escalation Protocol; which is displayed at the project. The Regional EHS Manager / EHS Manager Integrated Project immediately notifies the Regional Business Unit (RBU) Operations Manager, RBU General Manager and the Head of EHS LLB Australia in accordance with this Protocol.

Notices issued by any Regulatory Authority to any LLB workplace are reported and forwarded to Lendlease personnel as outlined in Part 4.3.4 of this Plan. Copies of Regulatory Notices issued must be displayed prominently in the workplace as outlined in Part 4.3.2 of this Plan.

Where requested Sydney Metro may participate in any investigation being undertaken and Lendlease Building will:

- provide Sydney Metro all assistance required for the purposes of the investigation;
- provide a copy of the agreed investigation report;
- attend any final investigation report meeting and
- close out the corrective and preventative actions in Sydney Metro's approved Incident Reporting and Investigation Database.

5.4.2 Injury management and return to work

All employee injuries that occur at work, or in the course of work related travel and result in time off or an inability to complete normal duties are managed in accordance with the Lendlease Injury Management & Return To Work Policy and Lendlease Return to Work Program. Injury grab packs, letter to the doctor, project start-up checklists and other injury management GMR 1.1.1 Table 1 can be found on the Lendlease Injury Management intranet site.

5.4.3 Unacceptable behaviour

Where unacceptable behaviour by a worker(s), including employees or subcontractors, is observed and presents an imminent risk of serious harm to the individual worker or others; or material harm to the environment, the work activity must be stopped. The incident is then elevated to the immediate supervisor of the works and other relevant stakeholders.

The incident must be managed by the Construction Manager, or nominated representative, in consultation with the RBU/SBU Operations Manager and Regional EHS Manager. Employees or subcontractors may be removed from the project following a single unacceptable 'at risk' behaviour (large or very large potential outcome). A determination of the consequence management related to an incident and its potential outcome is carried out in consultation with worker's employer, supervisor and Health & Safety Representative. Alternatively, the consequence management issued to a worker may be a first warning in

relation to an incident and removal from site following any repeated incident of unacceptable 'at risk' behaviour, which presents an imminent risk of serious harm to the individual worker or others.

A non-conformity related to the observed 'at risk' behaviour must be recorded as an observation in the Enablon App and the potential outcome of the behaviour, e.g. potential serious injury, along with the management actions implemented.

5.4.4 Counselling and employee assistance

Lendlease operates a 24 hour per day 7 days a week counselling service for all Lendlease employees. More detailed information can be found at the Lendlease Employee Assistance Program web page.

The EAP can be contacted 7 days a week and 24 hours per day on:
Australia Phone: 1800 80 83 74 **New Zealand Phone: 0800 20 02 77**

Manager Support Program Phone: 1800 50 50 15

5.5 CSSI AND SSD COMPLIANCE AUDITING

5.5.1 External Environmental Audits

External station audits may be conducted by Sydney Metro and Independent Environmental Auditor. The ER will audit if requested by DPIE. The outcomes of any audit, if reported to Lendlease, will be documented. Corrective Action Requests (CAR) and Observations of Concern (OOC) will be addressed through the same mechanisms as non-conformances. Resolution of CARs and OOCs will be documented and filed with the Audit Report.

As required by CSSI approval A37, an Environmental Audit Program for independent annual environmental auditing against the terms of the planning approval must be prepared. Sydney Metro have developed and submitted this program to DPIE previously. The Lendlease Environment Manager will participate in the program where required. The ER and AA will be invited to all external audits.

5.5.2 CSSI Compliance Reporting

Reports on compliance with the station CSSI planning approval or any other statutory requirements will be submitted to Sydney Metro by the Environmental Manager for inclusion in the Pre-Construction Compliance Report (CSSI approval A31), and ongoing Construction Compliance Reports prepared by Sydney Metro, endorsed by the ER and submitted by Sydney Metro to the Secretary for information on a quarterly basis. The Reports will include:

- a results summary and analysis of environmental monitoring;
- the number of any complaints received, including a summary of main areas of complaint, action taken, response given and proposed strategies for reducing the recurrence of such complaints;
- details of any review of, and minor amendments made to, the EHS MP as a result of construction carried out during the reporting period;
- a register of any consistency assessments undertaken and their status;
- results of any independent environmental audits and details of any actions taken in response to the recommendations of an audit;
- a summary of all incidents notified in accordance with Condition A41 and Condition A44 of this approval; and
- any other matter relating to compliance with the terms of this approval or as requested by the Secretary.

The Compliance Tracking Reports will be provided to the Environmental Representative for endorsement.

Internal compliance audits will include review compliance with the aspects of the EHS Plan, EIS, PIR and CEMF.

Any non-compliances or actions raised in environmental audits or CSSI compliance reporting will be managed as per Sections 5.3 and 5.4 of this plan and the Lendlease - Auditing EHS Procedure.

5.5.3 Rectifying Non-Compliance with the CSSI planning approval

Non-conformances to the CSSI planning approval will be resolved in accordance with Sections 5.3 and 5.4 of this plan, the Lendlease - Auditing EHS Procedure and in consultation with eth ER and Sydney Metro. Environmental non-compliance reports will be issued to the ER and Sydney Metro within 48 hours of identification. In the event of such a non-conformance:

- The nature of the event will be investigated by the Environmental Manager;
- Advice may be sought from a specialist;
- Monitoring may be undertaken;
- The effectiveness or need for new/additional controls will be reviewed by the Environment Manager (or delegated persons) who if required, will assign appropriate person/s with preventative and corrective actions to be closed out according to set time frames. The time frames will be set on the potential magnitude and likelihood of the environmental risk of the non-conformance identified;

Strategies will be identified to prevent reoccurrence;

- Environmental documentation will be reviewed and revised;
- Requirement for specific training of relevant personnel and subcontractors may be identified, developed and implemented;
- In extreme cases hold points may be placed on the area or work activity until appropriate actions have been undertaken.

5.5.4 SSD Environmental Audits

Any condition of the OSD SSD consents that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or programme, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification and independent auditing.

Note: For the purposes of this requirement, as set out in the EP&A Act, “monitoring” is monitoring of the development to provide data on compliance with the consent or on the environmental impact of the development, and an “environmental audit” is a periodic or particular documented evaluation of the development to provide information on compliance with the consent or the environmental management or impact of the development.

An Independent Audit programme prepared in accordance with the Independent Audit Post Approval Requirements (Department 2018) will be implemented, as submitted to DPIE.

5.5.5 SSD Compliance Reporting

The Compliance Monitoring and Reporting programmes prepared for each OSD in accordance with the Compliance Reporting Post Approval Requirements (Department 2018), as submitted to DPIE, will be implimebted duringthe project. Compliance Reports of the project must be carried out in accordance with the Compliance Reporting Post Approval Requirements (Department 2018).

5.5.6 Reporting OSD Non-Compliances

DPIE must be notified in writing to compliance@planning.nsw.gov.au within seven days after Lendlease becomes aware of any non-compliance with the SSD approvals. The Certifying Authority must also notify DPIE in writing to compliance@planning.nsw.gov.au within seven days after they identify any non-compliance. The notification must identify the development and the application number for it, set out the condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance. A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.

5.6 ENVIRONMENTAL MONITORING

5.6.1 Environmental Monitoring Programs

Environmental monitoring will involve collecting and interpreting data to provide quantification of the effectiveness of the EHS Plan and sub plans. As required under CSSI approval C9, Construction Monitoring Programs are required to be prepared in consultation with the relevant government agencies. As per the Staging Report the following construction monitoring programs will be implemented for the MP ISD works.

- A Construction Noise and Vibration Monitoring Program is incorporated within the Construction Noise and Vibration Management Plan (CNVMP) and includes provision of 'realtime' noise and vibration monitoring. This program has been developed in compliance with CSSI approval C11 with all 'realtime' noise and vibration monitoring data being made available to DPIE, EPA, the construction team, Sydney Metro, ER and AA.
- A Groundwater Monitoring Program is incorporated within the Construction Groundwater Management Plan (CGMP) and includes provisions to undertake monitoring of groundwater.

It is noted that 'Blasting' (a feature of the broader Sydney Metro City and Southwest project) is not required for the MP ISD works and as a result a construction monitoring program not required. Also, in accordance with the Staging Report, negligible impact to surface water is anticipated and as such, an associated monitoring program has not been developed. This aspect will be managed by the site environmental management, inspection and auditing procedures.

The timing, frequency, methodology, locations and responsibilities for the proposed environmental monitoring programs are specified in the respective Sub plans. The monitoring programs range from those involving formal sample collection, analysis and measurement, to those involving a more qualitative assessment.

Irrespective of the type of monitoring conducted, the results will be used to identify potential or actual problems arising from construction processes. Where monitoring methods permit, results will be obtained at the time of the assessment and analysed immediately by the Environmental Manager or EHS Coordinator. This will allow a prompt response to be initiated should an exceedance of accepted levels/criteria be identified.

Where this cannot be achieved, preliminary results will be requested as soon as possible following the monitoring episode with a full report to follow.

Where a non-conformance is detected or monitoring results are outside of the expected range, the process described in this plan will be implemented, which would include:

- The results will be analysed by the Environment Manager or EHS Coordinator in more detail with the view of determining possible causes for the non-conformance;
- A site inspection will be undertaken by the Environmental Manager or EHS Coordinator;

- Relevant personnel will be contacted and advised of the problem. This will include notification to the ER and the AA (where relevant);
- An agreed action will be identified; or
- Action will be implemented to rectify the problem.

5.6.2 Environmental Representative and Acoustic Advisor Inspections

Station inspections by the Environmental Representative and Acoustic Advisor are dependent on the level of environmental risk of construction activity being completed. This frequency will be discussed and agreed between the ER, AA, Sydney Metro and Lendlease prior to works commencing.

It is anticipated that ER station inspections will typically occur monthly but may be more or less frequent dependent on environmental risk of the project stage, at the discretion of the ER in consultation with Lendlease and Sydney Metro.

AA inspections will be completed on an ‘as-needs’ basis.

The MPISD CSSI Station project will cooperate with, assist, and facilitate any actions necessary for the Environmental Representative and Acoustics Advisor to carry out their obligations under the planning approval.

5.6.3 DPIE Compliance Inspections

DPIE may undertake site compliance inspections on a case-by case basis, as requested by DPIE.

APPENDIX

APPENDIX 1.1 EHS SUB PLANS – INTEGRATED STATION DEVELOPMENT (ISD)

Sub plans are identified in the Impacts and Hazards Risk Assessment as outlined in Section 3.1. The Construction Manager or nominated person is responsible for implementing and maintaining the management sub-plan(s) and their requirements.

Sub-Plan Name	Required	Reason
Acid Sulphate Soil Management Sub Plan	☐	Not Required
Air Quality Management Sub Plan	☒	Air Quality Management Plan
Asbestos & Hazardous Building Material Management Sub Plan	☐	
Chain of Responsibility Management Sub Plan (National Heavy Vehicle Transport Law)	☒	Mandatory with all EHS MP All heavy vehicles over 4.5t GVM deliveries to/from site
Conservation & Habitat Management Sub Plan	☒	Conservation and Habitat Management Plan
Contamination Management Sub Plan	☒	Contamination Management Plan
Crane Management Sub Plan	☒	Tower Crane Installation
Emergency Response Management Sub Plan	☒	Mandatory with all EHS MP
Fitness for Work Plan Fatigue Management Sub Plan	☐	Mandatory where project is FIFO or scheduling will exceed 5 days on / 2 days off, or a 60 hour working week.
Fitness For Work Drugs & Alcohol Project Testing Management Sub Plan	☒	LLB Sub Plan
Hazardous Substances/Dangerous Goods Management Sub Plan	☒	LLB Sub Management Plan
Heritage & Archaeological Management Sub Plan	☒	Refer to MP-ISD Construction Heritage Management Plan (CSSI requirement)
Noise & Vibration Management Sub Plan	☐	Refer to MP-ISD Construction Noise & Vibration Management Plan (CSSI requirement)
Occupational Health & Hygiene Management Sub Plan	☒	Mandatory where risk related to Occupational Health are ranked as Moderate or above
Pandemic Management Sub Plan	☒	Mandatory until further notice for the COVID-19 pandemic
PFAS Management Sub Plan	☐	Not Required Mandatory for ground works on Defence air bases and airports
Stakeholder Engagement Plan	☒	Refer to MP-ISD Community Communications Strategy and MP-ISD Business Management Plan (CSSI requirement)
Stormwater Erosion & Sedimentation Management Sub Plan	☒	Stormwater and Erosion Management Procedure
Tenancy Management Sub Plan	☐	Not Required

Sub-Plan Name	Required	Reason
Traffic & Parking Management Sub Plan	☒	MP-ISD Construction Traffic Management Plan (CSSI requirement)
Waste Management Sub Plan	☒	Mandatory with all EHS MP. LLB Sub Management Plan & Reference within Sustainability Management Plan Appendix E – Waste Management and Recycling Plan
Water Resource Management Sub Plan	☐	Not Required
Construction Environmental Management Plan	☒	Mandatory requirement under Critical State Significant Infrastructure (CSSI) planning approval. This EHS Management Plan was developed to satisfy requirements under the CSSI planning approval

Critical State Significant Infrastructure (CSSI) Environmental Management Sub Plans

Detailed, issue specific environmental management sub plans will be prepared on key environmental elements for the Project, documenting aspects, impacts, safeguards and monitoring requirements for each key environmental element, nominate who is responsible for implementing controls - noting the frequency/timing of implementation, and set objectives and targets, and identify measurable key performance indicators in relation to the sub plan aspect.

The CSSI approval and Project Specifications define the content and issues to be addressed in the required sub plans. Lendlease has prepared specific environmental sub plans to the EHS MP , as per the conditions of approval C3, C4 and C5, the Sydney Metro Construction Environmental Management Framework (CEMF) and in accordance with the Sydney Metro City and Southwest Chatswood to Sydenham Staging Report (Staging Report), noting that Martin Place Integrated Station Development is termed MP - ISD within the Staging Report. Consultation with relevant agencies is to include the Department of Planning, Industry and Environment (DPIE), NSW Environmental Protection Authority (EPA), Department of Primary Industries (DPI) Water, Sydney City Council and the NSW Heritage Council. Where an agency request is not included in a sub plan, justification will be included to DPIE with submission of the respective sub plan. Details of all information requested by an agency will be included in the respective sub plan as a result of consultation and copies of all correspondence from those agencies, will be provided with the relevant sub plan.

EHS MP sub plans, where required, will be submitted to DPIE along with, or subsequent to, the submission of this EHS MP but in any event, no later than one month before commencement of construction. Further to section 1.2, EHS Plan subplans required under the CSSI approval will be reviewed on a 6 monthly basis. The purpose of each sub plan is to document how specific environmental risks will be managed, and the relevant performance outcomes specified in the project Environmental Impact Statement (EIS) and Preferred Infrastructure Report (PIR) will be met. Aspect specific sub plans or separate plans required by the CSSI conditions developed for MP ISD works are:

- Construction Noise and Vibration Management Plan
- Construction Heritage Management Plan
- Construction Groundwater Management Plan
- Construction Traffic Management Plan

Aspect specific sub plans or separate plans required by section 3.4 of the CEMF for MP ISD works are:

- Construction Spoil Management Sub Plan;
- Construction Visual Amenity Sub Plan;

- Construction Carbon and Energy Management Sub Plan (to be incorporated into the Sustainability Management Plan);
- Construction Materials Management Plan (to be incorporated into the Sustainability Management Plan);
- Construction Waste Management Sub Plan (to be incorporated into the Sustainability Management Plan).

It is noted that the City and Southwest Chatswood to Sydenham Staging Report (Staging Report) details extent of applicability of the various aspects of the planning approval, CEMF and Revised Environmental Mitigation Measures. The Staging Report also outlines how these aspects will be covered in the project documentation (aspect specific sub plan or addressed within the Construction Environmental Management Plan). This is summarised below, including for each environmental management category:

- 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 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').

CEMF Environmental Management Category	SYAB	NCW-P7	Demolition A & B	TSE	CSM	SSJ	MPISD – Demolition	ISD	BS	LW	TSOM
Spoil	N/A	N/A	N/A	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	N/A	CEMP sub-plan	CEMP	CEMP sub-plan	CEMP
Groundwater	N/A	N/A	N/A	CEMP sub-plan	CEMP sub-plan	CEMP -P	N/A	CEMP sub-plan	CEMP	CEMP	CEMP
Traffic	CoA E82 CTMP	CoA E82 CTMP	CoA E82 CTMP	CoA E82 CTMP	CoA E82 CTMP	CoA E82 CTMP	CoA E82 CTMP	CoA E82 CTMP	CoA E82 CTMP	CoA E82 CTMP	CoA E82 CTMP
Noise & Vibration	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan
Heritage	CEMP sub-plan	CEMP -P	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP -P
Flora & Fauna / Biodiversity	CEMP -P	CEMP -P	CEMP -P	CEMP sub-plan	CEMP sub-plan	CEMP -P	CEMP -P	CEMP -P	CEMP -P	CEMP -P	CEMP -P
Visual Amenity	CEMP -P	CEMP -P	CEMP -P	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP -P	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan
Carbon & Energy	N/A	N/A	N/A	SMP sub-plan	SMP sub-plan	SMP sub-plan	N/A	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP sub-plan
Materials	N/A	N/A	N/A	SMP sub-plan	SMP sub-plan	SMP sub-plan	N/A	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP sub-plan
Soil & Water	CEMP -P	CEMP -P	CEMP -P	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP -P	CEMP -P	CEMP -P	CEMP sub-plan	CEMP -P
Air Quality	CEMP -P	CEMP -P	CEMP -P	CEMP sub-plan	CEMP sub-plan	CEMP sub-plan	CEMP -P	CEMP -P	CEMP -P	CEMP sub-plan	CEMP -P
Waste (and Recycling)	CEMP -P*	SMP-P	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP-P	SMP sub-plan	SMP sub-plan	SMP sub-plan	SMP
Workforce Development	WFDIP Plan	N/A	WFDIP Plan	WFDIP Plan	WFDIP Plan	WFDIP Plan	WFDIP Plan	WFDIP Plan	WFDIP Plan	WFDIP Plan	WFDIP Plan

To satisfy the 'procedural' requirements listed for ISD projects, project specific plans have been included, as outlined below

Required Management Procedure Aspect	MPISD Corresponding Reference
Flora & Fauna / Biodiversity	Conservation & Habitat Management Plan
Soil & Water	Stormwater Erosion & Sedimentation Management Plan
Air Quality	Air Quality Management Plan

It is also noted that compliance with requirements from the Revised Environmental Mitigation Measures listed in the Sydney Metro Chatswood to Sydenham Submissions and Preferred Infrastructure Report and associated Modification Reports will be outlined as part of the relevant sub plan.

Consultation and Approval Requirements

The CSSI conditions require the preparation of this EHS MP, a number of sub plans. The CEMF also requires the preparation of a number of aspect specific management plans.

This EHS MP, and all environmental plans, have been designed to address client expectations and requirements, and adequately address risks and stakeholder concerns. The CSSI approval requires Lendlease to consult with specific authorities and stakeholders in the preparation of this EHS MP and associated sub plans. The table below indicates approval required (A), endorsement required (E), consultation (C) and submit for information (I) required by the CSSI approval for the various documents.

Document	Primarily required by	Sydney Metro	Heritage Council (or delegate)	City of Sydney Council	RMS	SCO	Acoustic Advisor	ER	Emergency Services	EPA	DPI Water	DPIE
EHS Management Plan (this plan), content to satisfy CEMP requirements only.	CSSI C5	C						E				A
Construction Noise and Vibration Management Plan (including monitoring program)	CSSI C6	C		C			E	E		C		A
Construction Noise and Vibration Impact Statement	CSSI E33	C					E					
Construction Heritage Management Plan	CSSI C6	C	C	C				E				A
Construction Traffic Management Plan	CSSI E82	C		C	A	E			C			I
Community Communication Strategy	CSSI B3	A										
Business Management Plan	CSSI E64	A										
Tree Report	CSSI E6	C		C								I
Groundwater Management Plan	CSSI C3	C						E			C	A
Sustainability Management Plan	CEMF Section 3.2	A										
Workforce Development and Industry Participation Plan	CEMF Section 3.2	A										
Spoil Management Plan	CEMF Section 3.4	A										
Visual Amenity Management Plan	CEMF Section 3.4	A										
Carbon and Energy, Materials Management and Waste Management and Recycling (incorporated into the Sustainability Management Plan)	CEMF Section 3.4	A										

APPENDIX 1.2 EHS SUB PLANS – OVER STATION DEVELOPMENT (OSD)

Sub plans are identified in the Impacts and Hazards Risk Assessment as outlined in Section 3.1. The Construction Manager or nominated person is responsible for implementing and maintaining the sub-plan(s) and their requirements.

Sub-Plan Name	Required	Reason
Acid Sulphate Soil Management Sub Plan	☐	
Air Quality Management Sub Plan	☒	Air Quality Management Plan
Asbestos & Hazardous Building Material Management Sub Plan	☐	
Chain of Responsibility Management Sub Plan (National Heavy Vehicle Transport Law)	☒	Mandatory with all EHS MP All heavy vehicles over 4.5t GVM deliveries to/from site
Conservation & Habitat Management Sub Plan	☒	Conservation and Habitat Management Plan
Contamination Management Sub Plan	☒	Contamination Management Plan
Crane Management Sub Plan	☒	Tower Crane Installation
Emergency Response Management Sub Plan	☒	Mandatory with all EHS MP
Fitness for Work Plan Fatigue Management Sub Plan	☐	Mandatory where project is FIFO or scheduling will exceed 5 days on / 2 days off, or a 60 hour working week.
Fitness For Work Drugs & Alcohol Project Testing Management Sub Plan	☒	Mandatory where D&A Testing is implemented
Hazardous Substances/Dangerous Goods Management Sub Plan	☒	
Heritage & Archaeological Management Sub Plan	☒	Refer to MP-ISD Construction Heritage Management Plan
Noise & Vibration Management Sub Plan	☒	Refer to MP-ISD Construction Noise & Vibration Management Plan
PFAS Management Sub Plan	☐	Not applicable for MMP
Stakeholder Engagement Plan	☒	Refer to MP-ISD Community Communications Strategy and MP-ISD Business Management Plan
Stormwater Erosion & Sedimentation Management Sub Plan	☒	Stormwater and Erosion Management Procedure
Tenancy Management Sub Plan	☐	
Traffic & Parking Management Sub Plan	☒	Refer to MP-ISD Construction Traffic Management Plan
Waste Management Sub Plan	☒	Mandatory with all EHS MP.
Water Resource Management Sub Plan	☐	
Occupational Heath & Hygiene Plan	☒	
Pandemic Management Sub Plan	☒	Mandatory until further notice for the COVID-19 pandemic

APPENDIX 2 KEY ENVIRONMENT AND WHS/OHS/OSH LEGISLATION

The construction works are to be conducted in accordance with all relevant commonwealth and state legislation including, but not limited to, the legislation listed below, identified in the completed project Impacts & Hazards Risk Assessment and that nominated in specific environment/WHS/OHS (VIC) /OSH (WA) implementation sub-plans, SWMS and other EHS documentation as required.

State/Region	Principal Legislation	Authority	Internet Address
Commonwealth	Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 National Greenhouse and Energy Reporting Act 2007 Chain of Responsibility Heavy Vehicle Transport Laws 2014	Safe Work Australia, Federal Safety Commissioner Department of the Environment Clean Energy Regulator National Heavy Vehicle Regulator	https://www.safeworkaustralia.gov.au/ www.fsc.gov.au http://www.cleanenergyregulator.gov.au/NGER Heavy Vehicle Regulator
New South Wales	Work Health and Safety Act 2011 Work Health and Safety Regulation 2017 Protection of the Environment Operations Act 1997 POEO (Penalty Notices) Regulation 2004 POEO (Clean Air) Regulation 2021 POEO (Waste) Regulation 2014 Waste Avoidance and Resource Recovery Act 2001 Environmental Planning and Assessment Act 1979 Water Management Act 2000 Water Act 1912 Heavy Vehicle National Law (NSW) 2018 No 42a Heavy Vehicle (Adoption of National Law) Act 2013 No 42 Heavy Vehicle (Adoption of National Law) Regulation 2013 Heavy Vehicle (Fatigue Management) National Regulation (NSW) Heavy Vehicle (General) National Regulation (NSW) Heavy Vehicle (Mass, Dimension and Loading) National Regulation (NSW) Heavy Vehicle (Registration) National Regulation (NSW) Heavy Vehicle (Transitional) National Regulation (NSW) Heavy Vehicle (Vehicle Standards) National Regulation (NSW) Rail Safety National Law (NSW) No 82a Rail Safety (Adoption of National Law) Act 2012 No 82 Rail Safety National Law National Regulations 2012 Rail Safety (Adoption of National Law) Regulation 2018	SafeWork NSW NSW EPA NSW Department of Planning, Industry and Environment Heavy Vehicle Regulator and RMS ONSNR	http://www.safework.nsw.gov.au/ https://www.epa.nsw.gov.au/ https://www.dpie.nsw.gov.au/ Heavy Vehicle Regulator https://www.rms.nsw.gov.au/business-industry/examiners/vsccs/index.html https://www.onrsr.com.au/

Environmental Standards and Guidelines

Compliance standards, policies and guidelines relevant to the Project are detailed in the respective sub plans. The following standards and guidelines apply to the MP-ISD works.

Policy / Standard / Guideline	Application / Relevance to the Project
Construction Environmental Management Framework (CEMF)	Sydney Metro Project Construction Environmental Framework – to be applied to all Sydney Metro works
AS 2601 Demolition of structures	Specific demolition guidelines
Code of Practice – Demolition work, SafeWork NSW	Specific demolition guidelines
ISO 14,001 Environmental Management System – Requirements with Guidelines for Use	Principal Contractors are required to have a corporate Environmental Management System
Code of Practice - How to safely remove asbestos, WorkCover NSW	Asbestos removal
EPA Asbestos & Waste Tyre Guidelines 2014	Asbestos transport
AS 1940 The storage and handling of flammable and combustible liquids	Dangerous Goods and Hazardous Chemicals
Storing and handling liquids – Environmental Protection Participants Manual (DEEC 2007)	Dangerous Goods and Hazardous Chemicals
Environmental Compliance Report Liquid Chemical Storage, Handling and Spill Management, Part B – Review of best practice and regulations (DECC 2005)	Dangerous Goods and Hazardous Chemicals
Code of Practice – Managing noise and preventing hearing loss at work, SafeWork NSW	Noise/Vibration
AS 2670.2 Annex A Evaluation of human exposure to whole body vibration	Noise/Vibration
EPA Guidance Statement #8 – Environmental Noise (Draft)	Noise/Vibration
EPA Interim Construction Noise Guideline	Noise/Vibration
Code of Practice: Construction Hours/Noise within the Central Business District 1992 (City of Sydney)	Noise/Vibration
AS 2436-Guide to noise control on construction, maintenance and demolition sites	Noise/Vibration
AS 4282:1997 Control of the Obtrusive Effect of Outdoor Lighting	Outdoor Lighting
EPA Guidance Statement #18 – Prevention of air quality impacts from development sites	Dust, Odour & Fumes
National Environmental Protection Measure – (NEPM) Ambient Air Quality	Dust, Odour & Fumes
Urban erosion and sediment control field guide – BLUE BOOK (Department of Land and Water Conservation)	Erosion and Sediment Control
NSW Guidelines for construction sites 1998	Erosion and Sediment Control
Code of Practice – Excavation Work (WorkCover NSW)	Erosion and Sediment Control
Manual Managing Urban Stormwater – Soils and Construction 2008 (Department of Housing)	Stormwater Management
Planning Guidelines SEPP 55 – remediation of land	Land Contamination
NSW Government Resource Efficiency Policy 2014	Energy/Water /Waste Management
NSW Waste Classification Guidelines, 2014 (EPA)	Waste Management
AS 4361.2-1998: Guide to lead paint management, Part 2: Residential and commercial buildings	Lead Paint Management
Sydney Metro Requirement – Environment (SMR E)	Management Plans

Transport for NSW (TfNSW) and Sydney Metro Specific Procedures

TfNSW / Sydney Metro Procedure	Application / Relevance to the Project
City and Southwest Construction Noise and Vibration Strategy (SM-ST-210)	Principal Contractor to implement
Pre-Construction Minor Works Approval Form (SM ES-FT-415)	Principal Contractor to implement
City & Southwest Out-of-Hours Work Application Form (SM ES-FT-443)	Principal Contractor to implement
Environmental Incident Classification and Reporting Procedure (SM-17-00000096)	Principal Contractor to implement
Water Discharge and Reuse Procedure (SM ES-PW-309)	Principal Contractor to implement
Planning Approval Consistency Procedure (SM ES –PW-414)	Principal Contractor to implement
Environmental and Sustainability Policy (SM SE MM 102)	Principal Contractor to implement
Pre-Construction Minor Works Approval -9TP-FT-202	Principal Contractor to implement
Construction Environmental Management Framework (CEMF)	Principal Contractor to implement
Sydney Metro City and Southwest Sustainability Reporting Template (SME ES-FT-420)	Principal Contractor to implement

Where a Lendlease procedure exists and is consistent with the listed TfNSW/Sydney Metro procedure, it may be used as the sole procedure.

Environmental Planning Approval

Sydney Metro City & Southwest was declared by Ministerial Order on 10 December 2015 to be State significant infrastructure and critical State significant infrastructure under Sections 115U(4) and 115V of the EP&A Act, respectively. The Ministerial Order also amended Schedule 5 of State Environmental Planning Policy (State and Regional Development) 2011 to include the project as Critical State Significant Infrastructure.

In May 2016, an Environmental Impact Statement for the Chatswood to Sydenham section of the Project (the EIS) was placed on public exhibition for a period of 48 days (six weeks). A Preferred Infrastructure Report on the Chatswood to Sydenham component (the PIR) was prepared and publicly released in October 2016. The Project was approved on 9 January 2017 (SSI 15_7400).

A modification to the approved Sydney Metro City & Southwest Chatswood to Sydenham to address changes to the infrastructure works associated with the approved metro station at Martin Place that result from Macquarie's integrated station and over station development solution was approved on 22 March 2018 (SSI 7400 MOD 3). Macquarie has prepared a separate State Significant Development application for the OSD component.

Under Section 115ZG of the EP&A Act the following authorisations are not required for approved State Significant Infrastructure (SSI) (and accordingly the provisions of any Act that prohibit an activity without such an authority do not apply):

- Concurrence under Part 3 of the Coastal Protection Act 1979
- A permit under section 201, 205 or 219 of the Fisheries Management Act 1994
- An approval under Part 4, or an excavation permit under section 139, of the Heritage Act 1977
- An Aboriginal heritage impact permit under section 90 of the National Parks and Wildlife Act 1974
- An authorisation referred to in section 12 of the Native Vegetation Act 2003 (or under any Act repealed by that Act) to clear native vegetation or state protected land
- A bush fire safety authority under section 100B of the Rural Fires Act 1997
- A water use approval under section 89, a water management work approval under section 90 or an activity approval (other than an aquifer interference approval) under section 91 of the Water Management Act 2000.

In addition, Division 8 of Part 6 of the Heritage Act 1977 does not apply to prevent or interfere with the carrying out of approved SSI and the following directions, orders or notices cannot be made or given so as to prevent or interfere with the carrying out of approved critical SSI:

- An interim protection order (within the meaning of the National Parks and Wildlife Act 1974 or the Biodiversity Conservation Act 2016)
- An order under Division 1 (Stop work orders) of Part 6A of the National Parks and Wildlife Act 1974, Division 1 (Stop work orders) of Part 11 of the Biodiversity Conservation Act 2016 or Division 7 (Stop work orders) of Part 7A of the Fisheries Management Act 1994
- A remediation direction under Division 3 (Remediation directions) of Part 6A of the National Parks and Wildlife Act 1974
- An environment protection notice under Chapter 4 of Protection of the Environment Operations Act 1997
- An order under section 124 of the Local Government Act 1993.

Environmental Approvals and Licensing Requirements

The key legislative and approval requirements for the MP ISD works are outlined in the table below.

Regulatory Authority	Approval / licence required for MP ISD
Department of Planning and Environment (DPIE)	CSSI approval granted under Part 5.1 of the Environmental Planning and Assessment Act 1979 (EP&A Act). Approval of reports, studies and plans as required by the CSSI approval and REMM requirements. Development Consents SSD 9270 and SSD 9326 granted under Section 4.38 of the EP&A Act.
Commonwealth Department of Environment	The Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) prescribes the Commonwealth's role in environmental assessment, biodiversity conservation and the management of protected areas. Under the EPBC Act, matters of national environmental significance include world and national heritage properties and listed biodiversity impacts. The EIS concludes that the Project would not have a significant impact in relation to these matters. As such the Project is not a Controlled Action and does not require assessment and approval under the EPBC Act.
NSW Environment Protection Authority (EPA)	EPA administers Environmental Protection Licences (EPLs). The MP ISD is not required to be completed under an Environmental Protection License as required under the Protection of the Environmental Operation Act 1997 (POEO Act).
Roads and Maritime Services (RMS) and other road authorities	In accordance with the Roads Act 1993, Lendlease will obtain the consent of the appropriate roads authority to erect a structure, carry out work in, on or over a public road, or dig up or disturb the surface of a public road. If the applicant is a public authority, the roads authority must consult with the applicant before deciding whether or not to grant consent or concurrence. As required, road occupancy permits will be sought in accordance with the Construction Traffic Management Plans.
Sydney Water	In accordance with the Sydney Water Act 1994, Lendlease will obtain prior approval to connect to the sewer.
City of Sydney Council	Hoarding permits to enable installation of hoarding around the site perimeter will be sought through City of Sydney Council.

APPENDIX 3 OBJECTIVES AND TARGETS (PROJECT)

FY22 Lendlease Building Performance Objectives	Performance Targets	Responsibility
LEAD INDICATORS i.e. the measurement of processes, activities and conditions that define specific performance and predict future results.		
All operations identified by the EHS function as requiring an assurance review due to performance (e.g. programme delays; multiple incidents; regression in risk score) are undertaken within 30 days.	>90%	Construction Manager / Site Manager
All Group and LLB mandated EHS online learning modules are completed within 90 days of issue, e.g. Chain of Responsibility, GMR and WHS.	>90%	Construction Manager / Site Manager
A consistent rate of delivery of the Lendlease Frontline Leaders Course is maintained across all Operations (per million productivity hours).	>10	Construction Manager / Site Manager
Implement the EHS Management System across all Operations consistent with the requirements of the Lendlease Global Minimum Requirements; ISO14001 (environment) and ISO45001 (health & safety) certification and the Federal Government WHS Accreditation Scheme (Office of the Federal Safety Commissioner).	Annual	Construction Manager / Site Manager
High Risk Construction Work/High Risk Work Observations are carried out by each Lendlease with at least one observation of High Risk Construction Work (HRCW)/High Risk Work (HRW) related to their area of oversight and related works and record the observation using the Enablon Safety App.	Daily	Construction Manager / Site Managers / Foremen / Leading Hands
Lendlease project based personnel undertake at Enablon Safety App EHS Observation when frequenting site, e.g. daily or visits occur, for high risk construction work/high risk work/Chain of Responsibility/Occupational Health or other activity.	Number	Lendlease Project Based Personnel
All actions assigned to EHS observations /audits /incidents /acute risks or assurance are completed and closed out within the required time frame assigned.	Actions not aging greater than 14 days	Construction Manager / Site Manager
All critical incident information is provided by any operation to facilitate publication of a critical incident(s) within 48 hours of the incident event.	100%	Construction Manager / Site Manager
All critical incident investigations are carried out using the 8-Steps methodology with the completed incident report entered in the EHS online reporting system (Enablon) within 30 days of the critical incident publication date in Enablon.	100%	Construction Manager / Site Manager
The Acute Risk Scenario Campaign must be completed in Enablon.	Quarterly	Construction Manager / Site Manager
All construction operations must undertake an independent methodology review(s) as outlined by GMR2.3.3 to determine the most risk effective manner to undertake acute high risks activities as they relate to construction, engineering or manufacturing works.	Number	Construction Manager / Site Manager

FY22 Lendlease Building Performance Objectives	Performance Targets	Responsibility
LAG INDICATORS i.e. the measurement of processes linked to the outcomes of past events that provide data on past performance.		
Critical incident frequency rate (CIFR) per million productivity hours.	≤0.87	Construction Manager
Type 3 critical incidents (very large potential multiple fatalities/single fatality member of public) per million productivity hours	≤0.18	Construction Manager
Lost Time Injury Frequency Rate per million productivity hours	≤3.10	Construction Manager
Zero 'corporate reportable' fatalities.	0	Construction Manager
Environment Incident Frequency Rate (EIFR) medium or above potential per million productivity hours.	≤0.6	Construction Manager
Zero critical incidents with significant environmental impact requiring financial disclosure	0	Construction Manager

APPENDIX 4 ORGANISATIONAL CHART

The MMP-ISD Project EHS Management Plan Organisation chart is located on the Lendlease share drive database:

//apac.lendlease.com\LLData\Martin Place Metro - SYD260\Project Filing Index\I. Site Management\18 Office admin\18.1 Org Chart

APPENDIX 5 EHS RESPONSIBILITY/ACCOUNTABILITY MATRIX

	Head of EHS Australia	EHS Manager Integrated Project	Project EHS Coordinator	Project Manager	Project Director (or nominated delegate)	Construction Director or Delegate	Senior Construction Manager	Construction Manager	Project Engineer	Site Manager	Foreman/Supervisor (F)	Subcontractor Principal	EHS Consultation Group	Construction Worker	First Aid	Environment Manager
EHS Management System	R	I	I	I	R	I	I	I	I	I	-	I	-	-	I	I
EHS Policy	R	I	I	I	A	I	I	I	I	I	I	I	I	I	I	
Project EHS Management Plan	-	A	C	I	A	R	R	R	I	I	I	I	I	I	I	C
PROA review	-	C	C	A/R	A	C	C	C	C	C	I	I	-	-	-	
EHS in Design	R	C	C	A	A	R	R	R	-	-	-	-	-	-	-	I
Chain of Responsibility (Heavy Vehicle National Law)	R	C	C	R	A	A	A	A	R	-	-	-	-	-	-	
Impacts & Hazards Risk Assessment	-	C	C	A	A/R	A/R	A/R	A/R	R	R	C	I	I	I	I	C
EHS Management Sub Plans	-	C	C	A	A/R	A/R	A/R	A/R	C	C	I	I	I	I	I	C
Legislation and Regulatory Changes	C	C	C	C	A/R	R	R	R	C	C	I	I	I	I	I	C
EHS Site Rules	-	C	C	-	A/R	A/R	A/R	A/R	C	C	C	I	I	I	I	C
LLB EHS Objectives & Targets	A	I	I	-	I	I	I	I	I	I	I	I	I	-	-	I
Project EHS Objectives and Targets & Initiatives	-	A	C	-	A/R	A/R	A/R	A/R	C	C	I	I	I	-	-	C
Workplace EHS Audit	-	-	C	-	A	A	A	A	-	-	-	-	-	-	-	C
Organisational Chart	-	-	-	-	A/R	A/R	A/R	A/R	C	C	I	I	I	-	-	
EHS Roles and Responsibilities	C	C	I	-	A/R	A/R	A/R	A/R	C	C	I	-	-	-	-	C
EHS Training Matrix	A	C	I	I	A	I	I	I	I	I	I	-	-	-	-	C
EHS Training Planner	-	A	C	-	-	R	R	R	I	C	I	-	-	-	-	C
LLB Safe Work Method Statements	-	C	C	-	I	-	-	I	R	C/A	C	-	-	-	-	
Subcontractor Safe Work Method Statements	-	C	C	-	-	A	A	-	A	C	C	R	-	-	-	
Worker Induction	-	C	R	-	A	A	A	A	-	-	-	-	-	-	-	
Visitor Induction	-	C	R	R	A	A	A	A	R	R	R	R	-	-	-	
EHS Consultation incl alerts, lessons learnt or other	-	C	C	-	A	A	A	A	I	I	I	I	R	I	-	C
EHS Reporting	I	C	R	-	A	R	R	A	-	I	-	-	-	-	-	R

	Head of EHS Australia	EHS Manager Integrated Project	Project EHS Coordinator	Project Manager	Project Director (or nominated delegate)	Construction Director or Delegate	Senior Construction Manager	Construction Manager	Project Engineer	Site Manager	Foreman/Supervisor (F)	Subcontractor Principal	EHS Consultation Group	Construction Worker	First Aid	Environment Manager
Emergency Management	-	A	I	-	A	A	A	R	I	I	I	I	I	I	I	C
Hazardous Substances and Safety Data Sheets	-	R	R	-	A	-C	-C	A	I	I	I	I	I	I	I	
Plant and Equipment	-	I	I		-A	-	-	-C	-	A	R	A	-	-	-	
Permits to Work	-	C	C	-	-	I	I	-	-	A	-	R	-	-	-	
Daily High Risk Construction Work Checklist	-	I	I	-	I	A	A	I	I	R	R	-	-	-	-	
Subcontractor EHS Reporting	-	-	-	-	A	I	I	A	R	R	R	R	-	-	-	
EHS Weekly Inspection	-	I	I	-	I	I	I	I	-	R	-	-	-	-	-	I
Committee EHS Weekly Inspection	-	C	A	-	I	A	A	I	-	I	-	-	R	-	-	
Subcontractor EHS&Q Audit & Schedule	-	I	I	-	A	A	A	A	R	R	R-	-	-	-	-	I
Non-conformities and defects	-	C	C	-	A	A	A	A	R	R	R	R	-	-	-	
Incident notification, investigation & reporting	-	A	C	-	A	A	A	A	R	R	R	R	I	I	-	C
Site Diary	-	I	-	-	A	A	A	A	R	R	R	R	-	-	-	
Toolbox meetings	-	I	C	-	A	A	A	A	R	R	R	R	-	-	-	
Daily pre-start meetings	-	I	-	-	A	R	R	A	R	R	R	R	-	-	-	
Display EHS Information	-	A	A	-	R	A	A	R	-	-	-	-	-	-	-	
High Risk Construction Work / High Risk Work Licence Observations	-	-	-	-	-	-	-	A	-	A	R	-	-	-	-	
EHS Monitoring / Calibration	-	R	R	-	A	A	A	A	-	-	-	-	-	-	-	R
Injury Management	-	I	C	-	A	C	C	A	R	R	R	A/R	-	-	I	
EHS System Audits	A	A/R	R	-	C			C	-	C	-	-	-	-	-	I
CSSI compliance				C	A	C	C	C		I						A/R
Environmental Representative/Acoustic Advisor Contact						C	C	C		C						A/R

R	**Responsible** The person who is assigned to do the work	**A**	**Accountable** The person who makes the final decision and has the ultimate ownership	**C**	**Consulted** The person who must be consulted before a decision or action is taken	**I**	**Informed** The person who must be informed that a decision or action has been taken

APPENDIX 6 ROLES AND RESPONSIBILITY STATEMENTS

Project specific Roles and Responsibility Position Descriptions are located within the projects share drive

G:\Station Filing Index\500C Construction\Engineers Roles and Responsibilities\Signed R&R

APPENDIX 7 CONSULTATION & PARTICIPATION ARRANGEMENTS

Event	Frequency/Requirement	Participants	Record/Evidence
Workplace induction	Prior to commencing work at the workplace	All workplace employees and other workers. Visitors frequenting the workplace more than twice a month.	Induction records on Workplace Induction Register
Builder's Brief	Daily intervals including high risk construction work activities and interfacing work activities for the day, changes to emergency egress/ work areas, weather and other.	Issued to LLB and subcontractor supervisors	Builder's Brief Daily Record
Stand Down	At intervals to be determined by LLB incident trends, lessons learnt or other	LLB employees, subcontractors and all workers.	Stand Down Record
Pre-start	Daily intervals including Builder's Brief content, high risk construction work activities, high risk work requiring a licence and interfacing work activities for the day, changes to emergency egress/ work areas, weather and other; and When there is a new or changes to, or out of sequence, work tasks that are classified as high risk construction work.	Subcontractors and other workers including subcontractor foremen/supervisors.	Pre-start Record
Toolbox Talks	Subcontractor meeting as required discussing e.g. high risk construction work activities, changes to or out of sequence work tasks that are high risk construction work, alerts Lessons Learnt, Hazard Notices and incident s plus changes to legislation and codes of practice.	Subcontractors and other workers including subcontractor foremen/supervisors.	Toolbox Talk Record
Project Review meetings	At maximum six weekly intervals or as required including upcoming high risk construction work activities, critical and business reportable incident outcomes and lessons learnt and management of design or other changes with the potential to significantly affect environment, health and safety.	Project Manager, Construction Manager/Workplace Manager/ Service Providers/ Subcontractors, Client Representative and others.	Minutes of meeting
EHS Committee Meeting / EHS Consultation Group / HSR / Workgroup	Weekly meetings as per constitution or other agreed consultative arrangements inclusive of standard agenda item for upcoming high risk construction work activities.	Management representatives / employees, workers, Health & Safety Representative(s) (HSRs).	Notice board(s) Meeting minutes displayed including upcoming high risk construction works. HSRs & Workgroups displayed EHS Committee / EHS Consultation Group members displayed LLB EHS Consultation Statement updated and displayed.
Issue Resolution	As EHS issues arise and are raised formally	Management representatives / employees, workers, Health & Safety Representative(s) (HSRs)	EHS Committee Minutes Confirm agreed EHS resolution process Agreed EHS Resolution Flow Chart

Event	Frequency/Requirement	Participants	Record/Evidence
			displayed in the prominent locations.
Training	Commencement of project; and Annually in line with existing P4P and Skills Card processes	Lendlease salaried and award staff	Training plan
Interested Parties	External consultation with authorities/stakeholders and other interested parties, as required by conditions, licences or public consultation	As agreed with Regional EHS Manager input. Refer Appendix 5 Interested Parties Matrix LLB EHS MS Manual.	Meeting minutes and relevant correspondence.

APPENDIX 8 PLANT, EQUIPMENT AND PROCESSES INSPECTION AND TESTING SCHEDULE

Item	Inspection by	Australian standard/ Code	Inspection/Records/ Other Required
Atmospheric testing and monitoring equipment.	Competent Person	AS 2865	# Prior to each Confined Space entry, #Yearly. **Calibration of equipment required
Backhoe	Competent Person	Manufacturer Manual	#(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. (M) Mobile Plant Operator
® Building Maintenance Unit	Competent Person	AS1418.13	#Operation and maintenance instruction manual; #pre-operation check; # routine inspection checklist; #maintenance inspection in accordance with manufacturer's logbook. #High Risk Work Licence #GMR Independent Engineer Design Review
Concrete Line Pump ® Concrete Boom Pump	Competent Person	AS 1418.15 AS 2550.15	#(D) Daily Pre-start, #Monthly, #0-5 Yrs every 1000hrs/ Min yearly, #5-10 Yrs every 500hrs/Min yearly, # >10 Yrs every 250hrs/Min yearly #High Risk Work Licence
Concrete / Quick Cut Saw	*Competent Person	-	#Formal Operator Training, guarding # Maintenance as per the manufacturer
Confined Space	Competent Person	AS 2865	#Entry permit retained for 1 month, #risk assessment retained for 10 years, #training records for the term of employment. Permit To Work #High Risk Work Licence
Crane–mobile<10t ® Crane–mobile>10t ® Crane – Self Erecting ® Crane – Gantry >10t	Competent Person	AS 2550 AS 1418	#(D) Daily Pre-start, #monthly, #yearly, #10 yearly. (M) Mobile Plant Operator #High Risk Work Licence
® Crane–tower	#Competent Person	AS 2550 AS 1418	#(D) Daily Pre-start, #monthly, #yearly, #10 yearly. #High Risk Work Licence #Operators must provide evidence of formal VOC assessment against defined competency standards at three yearly intervals as well as the ticket/licence. #GMR Independent Engineer Design Review
Electrical – temporary switchboards and portable electrical equipment	Licensed Electrician	AS 3000 AS 3012 AS 3760	# LLB Electrical Equipment Inspection and Testing Procedure and Register or equivalent
Elevating work platforms ® Boom type EWP	Competent Person	AS 2550.10	#(D) Daily Pre-start, #3 Monthly, #yearly, #10 Yearly #High Risk Work Licence #(M) Mobile plant Operator
Excavator	Competent Person	Manufacturer Manual	#(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. #(M)Mobile Plant Operator
Explosive Power Tool	Competent Person	AS 1873	#(D) Daily Pre-start to the manufacturer's recommendations dismantled and examined for defects weekly, #yearly by manufacturer.

Item	Inspection by	Australian standard/ Code	Inspection/Records/ Other Required
Fire Fighting Equipment	Competent Person	AS 1851	Regular inspection, #6 monthly test; #Where more than 10 extinguishers are installed, details must be kept on a register.
Fixed platforms and stairs	Competent Person	AS 1657	Routine inspection.
Forklift Truck/ Telehandler/ Manitou/ motorised (self-propelled) Pallet Trolleys/ Lift Trucks	*Competent Person	AS 2359.2	#(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. #High Risk Work Licence (M)Mobile Plant Operator #Operators must provide evidence of formal VOC assessment against defined competency standards at three yearly intervals as well any ticket/licence/ competency attained.
Formwork	Competent Person	AS 3610	#Regular inspection (Stage 1 – before concrete placement); #Pre-poor checklist; #GMR Independent Engineer Design Review #Independent Engineer's Certificate prior to a pour; #Engineered Drawings for suspended formwork; #Independent Engineer certification back propping
Front End Loader	Competent Person	Manufacturer Manual	#(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. (M)Mobile Plant Operator
Hazardous Chemicals - products, materials, or substances /Dangerous Goods	Health & Safety Precautions	Safe Work Australia	#Risk Assessment; #Safety Data Sheet; #Register, training. #Health Monitoring – Sch14 WHS Regulations
® Hoist (personnel and materials)	Competent Person	AS 2550.7 AS 1418	#(D) Daily Pre-start, #3 monthly, #yearly, #10 yearly. #High Risk Work Licence
Laser Level	Competent Person	AS 2211.1 AS 2397	Warning Signage; **calibration record.
Ladder	Competent Person	AS 1892.5	When purchased, each time before use, regular intervals. clearly labelled, e.g. safe working load & industrial use.
® Lifts	Competent Person	AS1735.4	#Regular maintenance to manufacturer's specification #Yearly inspection and testing. #High Risk Work Licence (Hoist)
Lifting Gear Flat synthetic slings Fibre Rope slings Chains	Competent Person	 AS1353.2 AS1380.2 AS3775	All gear: #Labelled, inspection prior to each use, test certificate to manufacturer's recommendations. #Lifting gear register record of monthly inspection. #Labelled, inspection prior to each use; #monthly, #12 monthly.
® Mast-climbing work platforms	Competent Person	AS1418.16 AS2550.16	#Pre-operation inspection before each use, #3 monthly maintenance inspection, #12 monthly full inspection/service; #major inspection 10 yearly & 5 yearly thereafter; #logbook each climbing drive unit; #logbook for checks, faults, repairs. #High Risk Work Licence

Item	Inspection by	Australian standard/ Code	Inspection/Records/ Other Required
			#GMR Independent Engineer Design Review
Mobile Plant (All motorised self-propelled)	Competent Person		#(D) Daily Pre-start inspection and maintenance to manufacturer's requirements or Aust. Standards. #(M)Mobile Plant Operator
Oxy/Acetylene/Flashback arresters	Competent Person	AS 4332 AS4603 AS4289	Regular inspection and adequate separation and storage. # Flashback arrester 12 month test #Hoses, gauges and other reticulation items 6 monthly.
Personal Protective Equipment	Competent Person	Specific to type of PPE	# Register of Supply
Piling Rig	Competent Person	AS2550.1	#(D) Daily Pre-start, #monthly, #yearly, #10 yearly. #(M) Mobile Plant Operator #GMR Independent Engineer Design Review of foundation.
Rope Access	Competent Person	AS 4488	Visual Inspection before each use, # 6 monthly by Competent Person. Permit To Work #High Risk Work Licence
Roof safety mesh	Competent Person	AS 4389	#Record of inspection to ensure lapped and tied to Standard.
Safety Harness	Competent Person	AS 1891.4	Visual Inspection before each use, #6 monthly by competent person. #Permit To Work #High Risk Work Licence
Safety Lines/fall arrest devices, lanyards (installation)	Competent Person	AS 1891.4	Visual Inspection before each use, #3 monthly external checks, 6 monthly inspections; #12 monthly full inspection/service. GMR Independent Engineer Design Review
Safe Work Method Statement High Risk Construction Work/High Risk Work requiring a licence	Competent Person	N/A	# Record of review by Competent Person # Training or Toolbox Talk Record. # Monitoring by principal contractor and subcontractor to ensure compliance. #Daily Observation by Lendlease Foreman/Supervisor
® Scaffolding	Competent Person	AS 1576 AS 4576	#Drawing/Elevations; #Handover Certificate, #monthly inspection, Scafftag #GMR Independent Engineer Design Review
Scissor Lift/Boom lift	Competent Person	AS 2550.10	#(D) Daily Pre-start, #3 Monthly, #yearly, #10 Yearly. # (M)Mobile Plant Operator
Skid steer Loader (Bobcat)	Competent Person	Manufacturer Manual	#(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. # (M)Mobile Plant Operator
Swinging Stage	Competent Person	AS1576 AS4576	#Handover Certificate, #daily pre-start; #monthly inspection. #High Risk Work Licence #GMR Independent Engineer Design Review
Traffic Control	Competent Person	AS 1742.3	#Traffic Management Plan (Approved) # High Risk Work Licence

Item	Inspection by	Australian standard/ Code	Inspection/Records/ Other Required
® Work Box	Competent Person	AS1418.17	# Visual Inspection before each use Construction and welding inspection & load & stability test. #Yearly re-certification. See 'Lifting Gear'

Key:

Ⓡ Means items of plant or equipment, which require registration of their design and/or the specific item of plant itself. Plant which requires 'item' registration, i.e. for the specific piece of plant which arrives at a construction project typically; includes: concrete pumps (boom type); mobile cranes > 10 tonnes SWL; tower cranes; air compressors, building maintenance units and boom type elevated work platforms.

Note: As at 1 July 2014 Victoria removed the legislative requirement for 'item' registration of specific high risk plant. Design registration of specific high risk plant is still required as denoted by ®

(#) Means records required.

(D) Means Daily prestart inspection required

** Means calibration of EHS measuring and testing equipment is required in accordance with the requirements of the LLB Calibration of Equipment for EHS Monitoring Procedure.

(M) **Mobile Plant Operator** means the Operator is required to evidence either i) a licence/certificate issued by a State/Territory; OR a Statement of Attainment /Certificate issued by an Registered Training Organisation; OR evidence of a formal Verification of Competency assessment against defined competency standards.

Note: See Tower Cranes and Forklift/Mobile Lift Trucks. In addition to any Licence/Ticket held by the Operator, the Operator must undertake additional Verification of Competency requirements at maximum 3 yearly intervals from the date of issue of their current qualification.

APPENDIX 9 OBJECTIVES AND TARGETS

The table below must be populated to determine the number of project/workplace personnel that are tasked with implementing the requirements of the objectives and targets outlined in Appendix 3.

Nominated Person(s)	Position	Objectives & Targets Task	Frequency
Mark Dunn Scott Dewar TIm Whelan Alexander Cataldo	Construction Managers	An Acute Risk Scenario Campaign has been completed in the past ninety days across all active projects.	Quarterly
Dean Robinson Daniel Marsh Oliver Close Paul Pacione	Site Managers	High Risk Construction Work/High Risk Work Observations Each Lendlease Foremen/Supervisors undertake at least one Enablon App High Risk Construction Work Observation related to their area of oversight and related works.	Daily
Mark Dunn Scott Dewar Tim Whelan Alexander Cataldo	Construction Managers	Site based Project Engineers/Other LL project personnel undertake at least 1 x Enablon App EHS Observation.	Daily
Mark Dunn Scott Dewar Tim Whelan Alexander Cataldo Paul Lonergan Ian Chamberlain Yehiwae Maihua	Construction Managers & EH&S Managers	All actions assigned to EHS observations/audits/incidents/acute risks are completed and closed out within the required time frame assigned.	Following issue of action plan within Enablon
Mark Dunn Scott Dewar Tim Whelan Paul Lonergan Ian Chamberlain	Construction Managers & EH&S Manager	Critical Incidents Are closed out within max. 30 days of the incident date.	Within 30 days of Critical Incident occurring
Paul Lonergan Ian Chamberlain Yehiwae Maihua	EHS Managers	Learning & Development GMR training completed by all employees (wages and salary) within 90 days of commencing work at Lendlease.	Monthly following release of GMR training status
Paul Lonergan Ian Chamberlain Yehiwae Maihua	EHS Managers	WHS legislation training is completed by all employees including UX contracted superintendents.	Monthly following release of WHS Training status
Paul Lonergan Ian Chamberlain Yehiwae Maihua	EHS Managers	Chain of Responsibility (Heavy Vehicle National Law) awareness training is completed by Lendlease site based goods and services procurement personnel, site management and workers receiving/dispatching heavy vehicle loads.	Monthly following CoR Awareness Training status

APPENDIX 10 SPECIAL CONDITIONS AND REQUIREMENTS

During the different stages of the project, works will be accessed for any requirement to comply with the Rail Safety National Law as defined under section 2.1.3 Greenfield and Brownfield sites under the National Rail safety regulator's "Guideline for identifying rail safety work under the RSNL. The risks and hazards associated with this work will be identified and managed through the project Impact Hazards and Risk Assessment (IHRA).

- A project level risk workshop will be undertaken during the pre-construction phase of general construction activities identified through the Impacts hazards and Risk Assessments and in consultation with the key stakeholders.
- Prior to key high risk construction work packages, Lendlease will arrange risk workshops with key stakeholders (Metro, Macquarie and subcontractors) facilitated by an EHS Professional. The workshops will use processes and tools outlined in Section 3.1.5 of this plan and the LLB EHS Risk Management Procedure. High Risk construction work Packages include (but are not limited to):
    - Demolition
    - Excavation
    - Tunnelling
    - Structure
    - Fitout
- This Project EHS Management Plan and any supporting documentation from the Corporate Management System which are called up by this plan will be submitted to Sydney Metro for review.
    - Prior to commencement on site and
    - To demonstrate that they are ready to commence delivery in accordance with the Sydney Metro's Operational Readiness Review Checklist.
- Live electrical work is not permitted, except
    - with the prior written approval of the Lendlease Project Project Directors and LLB Head of EHS. Approval for live electrical work can only be given for reasons specified in Clause 157 (1) of the WHS Regulation 2017 or
    - Where it is necessary that electrical equipment is energised in order for testing and commissioning work to be carried out to the requirements of AS 3000, AS 4836, the Code of Practice For Safe Electrical Work Low Voltage Installations, and the Lendlease GMRs and LLB Workplace Delivery Code
- Where electrical work will be required in the vicinity of, or on High Voltage Electrical Infrastructure, the subcontractor must develop procedures in accordance with the Electrical Distribution Authority's Standards and Rules.
- A Safe Approach Distance from live electrical equipment of 3m for Ordinary Persons will be maintained by the use of fencing where work is preformed on electrical equipment with bare live components, and the equipment is not located in electrical rooms or cupboards which remain restricted to Accredited Persons only.
- Work near overhead services will be undertaken under the conditions of the project specific Work near Overhead Assets Or Power Lines Permit maintained in the site filing.

Client Specifications/ Requirements

The following is a summary of the measures, controls, and commitments that have been defined by the Client. Unless otherwise stated the Sections relate to the MMP-ISD EHS Management Plan

4.1	Project Health & Safety Management Plan (PHSMP)	Entire document
4.1.1	PHSMP Operational Readiness Review	Section 1.2 and App 10
4.1.2	PHSMP Annual Review	Section 1.2
5.1	Company Officers	Section 4.1 and App 4
5.2	Leadership and Culture	Section 1.2, SLT Culture Charter and GMR 3.3.3
5.2.1	Safety Leadership Meeting	Section 1.2, SLT Culture Charter and GMR 3.3.3
5.3	Resources	GMR 1.1.1 Table 1, GMR 3.1.3, GMR 4.0
5.3.1	Health & Safety Resources	GMR 1.1.1 Table 1
5.3.2	Supervisory Levels and Competency	GMR 1.1.1 Table 1
6.1	Health & Safety Planning	Section 3.1
6.1.1	Health & Safety Performance Index	Section 3.4.2 and Information provided in the monthly report, which includes: • WHS Monthly Reporting (including HSPI) • OHHW Information Management System • Heavy Vehicle Compliance tracker (not including SMIC)
7.1	General Health & Safety Risk Management Requirements	Section 3.1, GMR and WDC
7.2	Risk Assessment and Control	Section 3.1 and EHS Risk Management Procedure
7.2.1	Project Level Risk Assessment	Section 3.1 and EHS Risk Management Procedure
7.2.3	Task/Work Method Level Risk Assessments	Section 3.1 and EHS Risk Management Procedure
7.3	Safety in Design	Section 3.1 and EHS Risk Management Procedure
8	Training & Competence	Section 4.2 and WDC
9	Communication and Consultation	Section 4.3, App 7 and the Consultation Procedure
9.1	Pre-Work Briefings	Section 4.3.3
9.2	Toolbox Talks	Section 4.3.3
9.3	Safety Alerts, Lessons Learnt and Bulletins	App 7 and Incident Investigation Procedure
9.4	Health and Safety Committee Meetings	Section 4.3, App 7 and the Consultation Procedure
9.5	Communication and Consultation on H&S across languages	Section 4.3.3
10.1	H&S Reporting to Sydney Metro	Section 4.3.4
10.2	Reporting to External Parties	Section 4.3.4
11.1	Work at Height	GMR 4.1, WDC Work at Heights and Site Rules
11.1.1	Use of Ladders for Access/Egress	Project IHRA and WDC
11.1.2	Falling objects	Project IHRA, GMR 4.2 and WDC
11.2.1	Temporary Works (General Requirements)	Project IHRA, GMR 4.9, WDC and Temporary Works Register CSWSMP-MAC-SMP-EN-REG-999901 and Flow Chart
11.3	Scaffolding	Project IHRA, GMR 4.9 & WDC
11.4	Formwork and Falsework	Project IHRA, GMR 4.9, WDC and Site Rules
11.5	Cranes and Load Shifting	Project IHRA, GMR 4.6, WDC, Site Rules and Slinging and Lifting Guide
11.5.1	Tower Crane s	Project IHRA, GMR 4.6, WDC and Slinging and Lifting Guide
11.6	Piling	Project IHRA and WDC
11.7	Demolition	Project IHRA and WDC
11.8	Explosives	Not applicable (not being used)
11.9.1	Excavation Work	Project IHRA, GMR 4.3 & WDC
11.9.2	Tunnelling	Project IHRA, GMR 4.9 & WDC
11.10	Electrical Safety	Project IHRA, GMR 4.16 & WDC
11.10.1	Electrical Work	Project IHRA, GMR 4.4 & WDC
11.10.2	Overhead Services	Project IHRA, WDC and GMR 4.4, 4.15
11.10.3	Underground/Buried Services	Project IHRA, WDC and GMR 4.4, 4.15
11.11	Confined Spaces	Project IHRA, WDC and GMR 4.19
11.12	Hot Work	Project IHRA, WDC and GMR 4.5
11.13	Chemical Management	Project IHRA, WDC and GMR 4.10
11.14	Occupational Health Hygiene and Well being	MMP OHHW Plan

11.14.1	Occupational Health & Hygiene Program	MMP OHHW Plan
11.14.2	Health Risk Assessment	MMP OHHW Plan
11.14.3	Asbestos Control	Project IHRA, WDC and GMR 4.10
11.14.4	Risk of Importation of Asbestos Containing Materials	Project IHRA and WDC .
11.14.5	Ventilations in Tunnels and Enclosed Areas	Project IHRA App 10, (Lendlease Permit to Work Procedure to be implemented)
11.14.6	Respirable Crystalline Silica Control	MMP OHHW Plan
11.14.7	Diesel Exhaust Emissions Control	MMP OHHW Plan
11.14.8	Thermal Heat Stress Risk Control	MMP OHHW Plan
11.14.9	Contaminated Ground	Project IHRA, WDC and GMR 4.4, 4.15
11.14.10	Noise	Project IHRA, WDC and GMR 4.13
11.14.11	Psychosocial Hazards	Project IHRA and MMP OHHW Plan
11.14.12	PPE Programs	Project IHRA, Section 8.7 and MMP OHHW Plan
11.14.14	OHHW Training Program	MMP OHHW Plan
11.14.15	Medical Examination and Health Monitoring Program	MMP OHHW Plan
11.14.16	OHHW Key Performance Indicators	MMP OHHW Plan
11.14.17	OHHW Performance Reporting	MMP OHHW Plan
11.14.18	OHHW Performance Review	MMP OHHW Plan
11.15	Hazardous Manual Tasks	Project IHRA and WDC
11.16	Work Related Road Safety	Chain of Responsibility Sub Plan
11.16.1	Vehicle Drivers	Chain of Responsibility Sub Plan
11.16.2	Minimum Vehicle Safety Equipment	Chain of Responsibility Sub Plan
11.16.3	Vehicle Registration, Maintenance and Inspection	Chain of Responsibility Sub Plan
11.17	Heavy Vehicles Safety and Compliance	Chain of Responsibility Sub Plan
11.17.2	Heavy Vehicle Operators	Chain of Responsibility Sub Plan
11.17.3	Haulage Route Compliance	Chain of Responsibility Sub Plan
11.17.4	Heavy Vehicle Safety Requirements	Chain of Responsibility Sub Plan
11.17.6	Heavy Vehicle Driver Training	Chain of Responsibility Sub Plan
11.18	Working In and Around Live Traffic	Traffic Management Plan
11.18.1	Work around Construction Traffic / Mobile Plant	Traffic Management Plan
11.19	Plant and Equipment	Section 5.2.4, WDC, GMR and Site Rules
11.19.1	Plant Specific Requirements	Section 5.2.4, WDC, GMR and Site Rules
11.19.2	Hand Tools	Project IHRA
11.19.3	Power Tools	Project IHRA and WDC
11.20	Work In and Around Water	Project IHRA, WDC and GMR 4.18
11.21	Work Conducted in the Vicinity of Aerodromes	Not applicable
11.22	Remote or Isolated Work	Project IHRA, GMR and WDC
11.23	Night Work	Project IHRA GMR, WDC and MMP OHHW Plan
11.24	Welfare Facilities	Project IHRA, GMR 3.1 and WDC
11.25	Lock-out/Tag-Out	Project IHRA, Permit Procedure and WDC
11.26	Permits to Work	Section 4.5.1, Permit Procedure and WDC
11.27	Permit to Work – Tunnelling	Referenced App 10, (MMP LLB Tunnel Procedure to be developed)
11.28	Safety Signage	Project IHRA, GMR 3.2, WDC and LL Site Signage Guideline
12	Rail Safety	Not applicable at present and it will be assessed and included if required
12.1	Rail Safety Risks	Not applicable at present and it will be assessed and included if required
12.2	Rail Safety Worker Requirements	Competence Management Plan
12.2.1	Competence and Induction	Competence Management Plan
12.3	Project Work Notification	Not applicable at present and it will be assessed and included if required
12.5	Worksite Protection	Not applicable at present and it will be assessed and included if required
12.5.1	Temporary Fencing and Hoardings in the Rail Corridor	Not applicable at present and it will be assessed and included if required
12.6	Mobile Plant in the Rail Corridor	Not applicable at present and it will be assessed and included if required
12.6.1	Road Rail Plant and Track Machines	Not applicable at present and it will be assessed and included if required

12.7	Working Around Electrical Infrastructure in relation to rail	Not applicable at present and it will be assessed and included if required
12.7.1	Planning Work Around Electrical Infrastructure in relation to rail	Not applicable at present and it will be assessed and included if required
12.7.2	Work Conducted around Underground Electrical Assets in relation to rail	Not applicable at present and it will be assessed and included if required
12.8	Underground Services	Not applicable at present and it will be assessed and included if required
12.9	Protection of Infrastructure from Damage in relation to rail	Not applicable at present and it will be assessed and included if required
12.10	Emergency/Incident Planning Response & Reporting	Section 9 is this in the ERP
13.1	Alcohol and Other Drugs	MMP OHHW Plan
13.1.1	Definitions	MMP OHHW Plan
13.1.2	Testing	MMP OHHW Plan
13.1.3	Employee Assistance	MMP OHHW Plan
13.1.4	Notification	MMP OHHW Plan
13.2	Fatigue Management	MMP OHHW Plan
13.2.1	Fatigue Minimisation for Other Safety Critical Roles	MMP OHHW Plan
13.3	Health Assessment	MMP OHHW Plan
13.3.1	Health Assessment for Rail Safety Workers	MMP OHHW Plan
14	PPE	Section 3.3, GMR 3.2.5, WDC and Site Rule
15	Site Security & Access Control	MMP Security Management Plan, GMR 3.2.3
16	Interface Management	MMP Interface Management Plan
17	Management of Change	Sections 3.1.4.2 and 4.5.3, and the LLB Change Management Procedure
18	Configuration Control Board	Sections 3.1.4.2 and 4.5.3, and the LLB Change Management Procedure
19	Asset Management	Sections 3.1.4.2 and 4.5.3, and the LLB Change Management Procedure
20	Safety in Procurement	Sections 3.6, 4.2.3, 4.5.1, 4.5.2 and 5.1
20.1	Subcontractor Safety Management Plan	Section 4.5
20.2	Control of Subcontractors	Section 5.1
21.1	Systems Engineering	Technical Management Plan Section 13.0 System Engineering
21.2	Reliability Availability and Maintainability	Ram Plan Whole Plan
22	Safety Assurance	Not applicable at present and it will be assessed and included if required
22.1	Independent Safety Assessment	Not applicable at present and it will be assessed and included if required
24	Incident, Emergency and Crisis Management	Sections 9 & 15
24.1	Minimum Requirements for Management Plans	Section 4.6 and the Emergency Response Control Sub Plan
24.2	First Aid Requirements	Section 4.3, App 5, Project IHRA and WDC
24.3	Site Emergency Co-ordinators	Emergency Response Control Sub Plan
24.4	Simulated Emergency Exercises	Section 4.6 and the Emergency Response Control Sub Plan
25	Incident Reporting & Investigation	Section 4.3.4 and 5.4.1, and Incident Investigation Procedure
25.1	Incident Notification & Reporting	Section 4.3.4 and 5.4.1, and Incident Investigation Procedure
25.1.1	Notification to Regulators	Section 4.3.4 and Incident Investigation Procedure
25.2	Incident Investigation	Section 5.4.1, and Incident Investigation Procedure
25.2.1	Submitting Investigation Reports	Section 5.4.1, and Incident Investigation Procedure
25.2.2	Corrective & Preventative Action	Section 5.3
26	Corrective Action Management	Section 5.3 and 5.4
27	Injury Management & Return to Work	Section 5.4.2
28.1	Inspections	Section 5.1
28.2	Audits	Section 1.2 and the EHS Audit Procedure
28.3	Compliance Working Group	Section 5.1

APPENDIX 11 SYDNEY METRO PROJECT PLANNING BACKGROUND

Sydney Metro Project Background

Sydney Metro is a new standalone rail network identified in Sydney's Rail Future. The Sydney Metro network consists of Sydney Metro Northwest, Sydney Metro City & Southwest and Sydney Metro West.

The works under this EHS MP form part of the Sydney Metro City & Southwest (SMC&SW), which comprises two core components:

- The Chatswood to Sydenham project involves the construction and operation of an underground rail line approximately 15.5 kilometers long inclusive of new stations between Chatswood and Sydenham.
- The second core component upgrading the 13.5 kilometre rail line and existing stations from Sydenham to Bankstown.

Martin Place Integrated Station Development

The Metro Martin Place precinct development consists of the Sydney Metro Martin Place Station, Integrated Station Development (MP-ISD) and the associated integrated civic, retail and commercial areas. This development creates a transportation metro precinct that offers mixed use space including commercial office space, modern retail outlets and civic space areas. The precinct is located between Hunter Street to the North, 39 Martin Place to the South, Elizabeth Street to the East and Castlereagh Street to the West.

The Over Station Development (OSD) comprises two commercial towers; the North Tower consists of 39 storeys of office space, and the South Tower consists of 29 storeys of office space. The South Tower will be constructed over the existing Eastern Suburbs Line.

The buildings located at 39 Martin Place, 55 Hunter Street, 5, 8-10 and 8A-12 Castlereagh Street have been demolished by another contractor, prior to Lendlease commencing site establishment. The demolition of the 9-19 Elizabeth Street have been completed by Lendlease.

The site is split into three construction zones (North Tower, South Tower and Below Ground Station Box).

The Sydney Metro Martin Place precinct involves the following aspects:

- Integration of an underground pedestrian link tunnel under 50 Martin Place, new metro train station, associated tunnel fit-out and retail and public domain spaces to both North and South Towers.
- Construction of the 39 story North Tower, comprising a reinforced concrete structure with a glass lift core on Castlereagh Street.
- Integration of the North Tower and 50 Martin Place with interconnecting bridges at nominated levels, and a link to the ground floor.
- Construction of the 29 story South Tower, comprising a rear core reinforced concrete structure with a podium level to 45 metres.
- Temporary structures and works during construction, such as hoarding, hoists and cranes.
- A temporary overhead protection deck to be erected on the roof of the building at 50 Martin Place, as shown in Figure 2 below. The temporary steel-framed structure is to protect the northern end of 50 Martin Place from potential damage during construction of the adjacent North tower. The temporary overhead protection deck is designed to meet heritage requirements at 50 Martin Place as addressed in a Statement of Heritage Impact (TKD Architects, January 2022).

Martin Place Integrated Station Development Planning Approvals

The Martin Place Integrated Station Development (ISD) comprises of the new Martin Place Metro Station as part of the Sydney Metro project, and Over Station Development (OSD) consisting of a north tower and a south tower, as outlined below in Figure 1 below.

The Martin Place Metro Station works will be completed as part of the Critical State Significant Infrastructure (CSSI) project (reference SSI 7400), and approved by SSI 7400 MOD 3 as described further below.

The south tower and north tower OSD works will be completed under separate State Significant Development (SSD) approvals - North Tower SSD9270, and South Tower SSD9326.

Martin Place Station CSSI Modification

A modification to the approved Sydney Metro City & Southwest Chatswood to Sydenham project has been approved and addresses changes to the infrastructure works associated with the approved metro station at Martin Place that result from Macquarie's integrated station and over station development solution (SSI 7400 MOD 3).

Macquarie has engaged Lendlease to deliver the construction of the Martin Place Metro Station. This EHS MP document refers to Lendlease as the principal contractor to deliver these works on behalf of Macquarie.

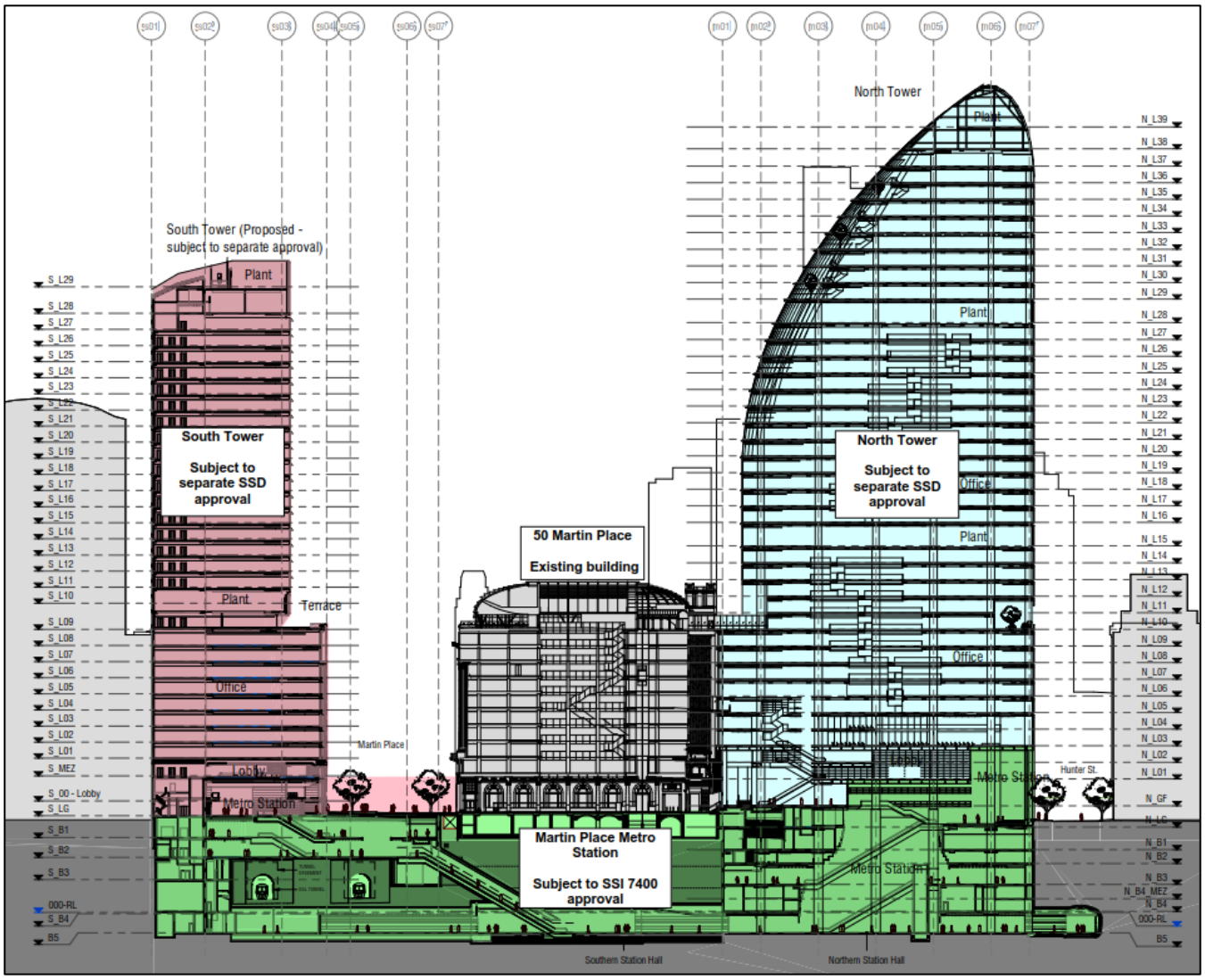

Figure 1 - Martin Place ISD cross section

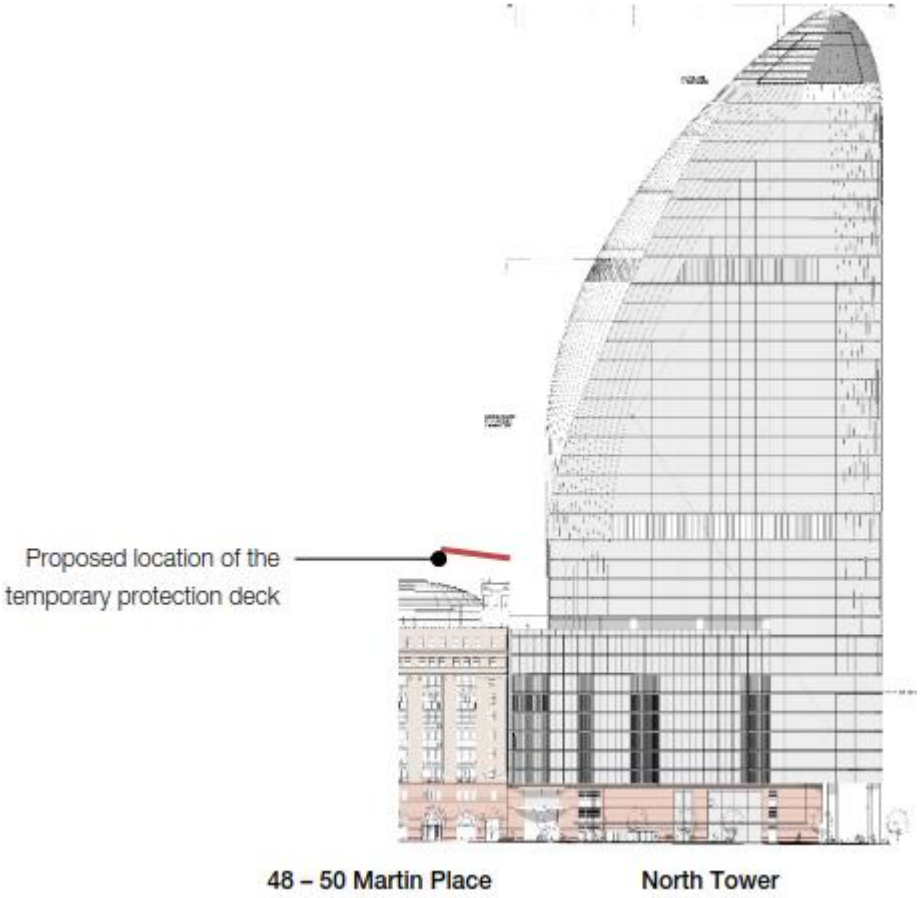

Figure 2 - Temporary overhead protection deck cross section

APPENDIX 12 COMMUNITY, GOVERNMENT AGENCY AND EXTERNAL STAKEHOLDERS

Community Communication and Consultation

Lendlease will ensure that all relevant community stakeholders are consulted at appropriate times during the implementation of the Project. This is detailed in the project Community Communications Strategy (CCS) and Business Management Plan (BMP).

Specific actions will ensure that community members have adequate opportunity to be informed and provide into items that may impact them. i.e. noise impacts and mitigation measures and environmental impacts. Specific actions include:

- Issuing of community updates/newsletter and/or notifications;
- Advertising of activity timetables in local papers;
- Making documents detailed in the Planning Approval publicly available;
- Publicising a general toll free project contact number prior to construction; and
- Responding to community enquiries and complaints about the project using the web based contact management system provide by the client, and ensuring that all enquiries and complaints are dealt with promptly and properly addressed.

All communication with the local community will be undertaken in accordance with the CCS, which will:

- Demonstrate how the community consultation requirements of the project will be delivered
- Identify people and organisations to be consulted during the project
- Describe the overall approach that will be taken when dealing with the community and other stakeholder groups, including identification of opportunities to provide accessible information regarding the project
- Outline the methods that will be used to inform the community about the project and upcoming works, including provision of community forums.
- Set out procedures and mechanisms:
    - through which the community can discuss or provide feedback
    - through which lendlease will respond to enquiries or feedback from the community
    - to resolve any issues and mediate any disputes that may arise in relation to environmental management and delivery of the project.

Key community groups include local businesses, residents and interest groups. Information prepared for distribution to the community will be tailored to needs of target groups and approved by the Sydney Metro prior to release. It may address project progress, traffic disruptions and controls, temporary detours, work outside normal hours and may be provided through various forms including:

- As a community notice;
- As advertisements (e.g. progress updates, road closures, disruption to traffic);
- Newsletters or brochures;
- On the internet; and / or
- On noticeboards.

Further detail and management of complaints is detailed within the CCS, and outlined below.

Complaints may be received directly by members of the project team or indirectly via Sydney Metro's Community Information Line, postal address and email address. Senior members from the project team will be on call to receive complaints at all times and will manage all phone complaints outside of business hours. This responsibility will be managed and shared between project team members on a rostered basis. Complaints

will be managed in accordance with the Sydney Metro Construction Complaints Management System (CCMS) and Sydney Metro Overarching Community Communications Strategy (OCCS). This includes resolving complaints to the satisfaction of all stakeholders or escalating complaints to Sydney Metro or the Community Complaints Commissioner.

The procedures for responding to complaints will be covered in the project induction for all staff and contractors.

All complaints will be dealt with in a responsive and efficient manner to ensure that stakeholders see their concerns are being managed effectively and promptly. Complaints will be responded to in the following way:

- After receiving a complaint, it is immediately investigated
- If it does not relate to MP ISD work, the complaint is given to Sydney Metro
- An initial call is made to the complainant within 2 hours (if the complaint is received by phone or where a telephone number was provided). Alternatively, a written response is provided within 24 hours.
- The complainant is kept informed of the process until the complaint is resolved
- Actions are taken and measures implemented to prevent the reoccurrence of the complaint
- The complaint is closed out within an agreed timeframe (agreed with complainant)
- Complaints that cannot be resolved are escalated to Sydney Metro or the Community Complaints Commissioner to resolve. We will comply with any directions from Sydney Metro which may incorporate recommendations from the Commissioner in relation to resolving escalated complaints
- All complaints are reported to Sydney Metro daily
- All complaints are recorded on the Consultation Manager database

Government Agencies and External Stakeholders

Consultation with a range of non-community, external stakeholders is required throughout the project. Lendlease will consult and co-operate with all relevant regulatory agencies in meeting the Project environmental requirements and will permit those agencies to audit project activities for regulatory compliance. Initially the CSSI approval requires Lendlease to consult with specific authorities and stakeholders in the preparation of this EHS MP and associated sub plans. Section 3.7.1 indicates approval required (A), endorsement required (E), consultation (C) and submit for information (I) required by the CSSI approval for the various documents.

External stakeholders include TfNSW/Sydney Metro, Department of Planning and Environment (DPIE), EPA, NRAR, Roads and Maritime Services, Sydney Coordination Office, Sydney Trains, City of Sydney Council, community members, other relevant third party agencies, government authorities and organisations. External communication methods include:

- Site meetings with Sydney Metro;
- All significant incidents notified to Sydney Metro and ER/Approving Authority;
- Meetings and correspondence with interested parties (e.g. City of Sydney Council, EPA, bus & coach operators, taxi operators, NSW Police, NSW Fire & Rescue, NSW Ambulance Service and other key stakeholders) as necessary; and
- Discussions with adjoining land owners / neighbours and the community who may be affected by the project in accordance with the CCS.

An up-to-date list of emergency response personnel and relevant organisations (emergency services, EPA, etc.) will also be maintained at the main office and site compounds, for any potential environmental incident reporting and management required to be undertaken in accordance with this plan. A list of relevant contacts for project stakeholders will be maintained by the Environmental Manager and the Community and Stakeholder Manager on site.

APPENDIX 13 CONSTRUCTION HOURS

Station

In accordance with CSSI 15_7400 approval condition E36 construction, except as allowed by Condition E48, must only be undertaken during the following standard construction hours:

- 7:00am to 6:00pm Mondays to Fridays, inclusive;
- 8:00am to 1:00pm Saturdays; and
- at no time on Sundays or public holidays.

CSSI approval E37 places further restriction on the hours that 'high noise impact' generating activities may occur. Construction works and activities with potential to generate high noise impact will be scheduled to occur between the hours of 7am to 8pm. CSSI approval E38 provides for an extended daytime period as it may be preferred by commercial (or residential) receivers for high noise generating activities to occur after 5pm. As required in CSSI approval E38, the relevant receivers have been identified throughout the Construction Noise and Vibration Management Plan (CNVMP) regarding the determination of hours of respite so that construction noise (including ground-borne noise) does not exceed the Highly Noise Affected Management Level (HNAML) outlined within the Interim Construction Noise Guideline (ICNG).

CSSI approval E44(f) and E47 requires the preparation of an OOHW Protocol when undertaking works outside of standard construction hours. All out of hours works, except in circumstances consistent with E44 a-e or after consultation with affected receivers as required by E37 and E38, will be managed under the Sydney Metro Out of Hours Works Protocol (Reference Document: SM ES-PW-317) which is located on the Sydney Metro website and will be referred to during the assessment, management and approval of work outside of standard construction hours (as defined in Condition of Approval E36).

Condition E48 specifies that the following activities may occur 24 hours per day seven days a week, subject to Condition E47:

- tunnelling and associated support activities (excluding cut and cover tunnelling);
- excavation within an acoustic enclosure;
- station and tunnel fit out; and
- haulage and delivery of spoil and materials.

Over Station Developments

In accordance with SSD 9270 and SSD 9326, construction, including the delivery of materials to and from the site, may only be carried out between the following hours

- between 7.00 am and 6.00 pm, Mondays to Fridays inclusive; and
- between 7.00 am and 5.00 pm, Saturdays.

No work may be carried out on Sundays or public holidays.

Activities may be undertaken outside of these hours if required:

- by the Police or a public authority for the delivery of vehicles, plant or materials; or
- in an emergency to avoid the loss of life, damage to property or to prevent environmental harm.

Notification of such activities must be given to affected residents before undertaking the activities or as soon as is practical afterwards.

DPIE has approved further approved (Mod 1 North Tower, Mod 2 South Tower) alignment of construction hours conditions to the CSSI approval and thereby allow additional circumstances where out-of-works activities can be undertaken. As such, condition D3 permits construction associated with the SSD to be undertaken outside the standard hours specified above in the following circumstances:

a) by the Police or a public authority for the delivery of vehicles, plant or materials; or

b) in an emergency to avoid the loss of life, damage to property or to prevent environmental harm.; or

c) construction that causes LAeq (15 minute) noise levels:

d) no more than 5 dB(A) above the rating background level at any residence in accordance with theInterim Construction Noise Guideline (DECC, 2009), and

e) no more than the noise management levels specified in Table 3 of the Interim Construction Noise Guideline (DECC, 2009) at other sensitive land uses, and

f) continuous or impulsive vibration values, measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.2 of Assessing Vibration: a technical guideline (DEC, 2006), and

g) intermittent vibration values measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.4 of Assessing Vibration: a technical guideline (DEC, 2006); or

h) where a negotiated agreement has been reached with a substantial majority of sensitive receivers who are within the vicinity of and may be potentially affected by the particular construction, and the noise management levels and/or limits for ground-borne noise and vibration (human comfort) cannot be achieved. All agreements must be in writing and a copy forwarded to the Secretary at least one (1) week before the works commencing; or

i) as directed by a roads authority to undertake works outside of standard hours, where those activities during standard hours would result in a high risk to road network operational performance; or

j) carrying out works that during standard hours would result in a high risk to construction personnel or public safety, based on a risk assessment carried out in accordance with AS/NZS ISO 31000:2009 “Risk Management”; or

k) the relevant utility service operator has advised the Proponent in writing that carrying out the works and activities during standard hours would result in a high risk to the operation and integrity of the utility network; or

l) as otherwise approved by the Secretary.

For the works subject to items (c)-(g) above, Construction Noise Verification Impact Statements (CNVIS) have been prepared and implemented before construction noise and vibration impacts commenced and include specific mitigation measures identified through consultation with affected sensitive receivers. Each CNVIS will supplement this EHS MP and Construction Noise and Vibration Management Sub-Plan, and include the requirments of SSD condition C31.

APPENDIX 14 ENVIRONMENTAL COMPLIANCE MATRIX

Note – All document references in this Section are limited to the extent that they apply to the planning and environmental management requirements under planning approvals SSI 15_7400, SSD 9270 and SSD 9326 not the health and safety components.

CSSI Planning Approval Conditions (SSI 15_7400) - Station

Condition	Requirement	Document Reference
C1	A Construction Environmental Management Plan (CEMP) must be prepared in accordance with the Construction Environmental Management Framework (CEMF) included in the PIR and the Department's Guideline for the Preparation of Environmental Management Plans to detail how the performance outcomes, commitments and mitigation measures specified in Chapter 11 of the PIR, as amended by the documents listed in A1, will be implemented and achieved during construction.	This EHS MP document Compliance matrix tables in Appendix 14.
C2	The CEMP must provide:	
	(a) a description of activities to be undertaken during construction (including the scheduling of construction);	Section 1.4 Appendix 11
	(b) details of environmental policies, guidelines and principles to be followed in the construction of the CSSI;	Section 2 Appendix 2
	(c) a schedule for compliance auditing;	Section 5 Section 5.5 Audit frequencies are outlined in the Auditing EHS Procedure (support document)
	(d) a program for ongoing analysis of the key environmental risks arising from the activities described in subsection (a) of this condition, including an initial risk assessment undertaken before the commencement of construction of the CSSI;	Section 4.5 MPISD Initial Environmental RA (support document) Workplace Impacts and Hazards Risk Assessment (support document)
	(e) details of how the activities described in subsection (a) of this condition will be carried out to: i. meet the performance outcomes stated in the EIS as amended by the documents listed in A1; and ii. manage the risks identified in the risk analysis undertaken in subsection (d) of this condition;	Appendix 14 Appendix 1.1 Appendix 3 Section 3.5 Section 4 Workplace Impacts and Hazards Risk Assessment (support document)
	(f) an inspection program detailing the activities to be inspected and frequency of inspections;	Section 5.1 EHS Weekly Site Inspection Form (support document)
	(g) a protocol for managing and reporting any: i. incidents; and	Section 4.3.4 Section 4.6 Section 4.7 Incident Reporting and Management Procedure (support document)
	ii. non-compliances with this approval and with statutory requirements;	Section 5.3 Section 5.4 Section 5.5
	(h) procedures for rectifying any non-compliance with this approval identified during compliance auditing, incident management or at any time during construction;	Sections 5.3 – 5.6

<table>
<tr><td></td><td></td><td>Incident Reporting and Management Procedure (support document)</td></tr>
<tr><td></td><td>(i) a list of all the CEMP sub plans required in respect of construction, as set out in Condition C3. Where staged construction of the CSSI is proposed, the CEMP must also identify which CEMP sub plan applies to each of the proposed stages of construction;</td><td>Appendix 1.1</td></tr>
<tr><td></td><td>(j) a description of the roles and environmental responsibilities for relevant employees and their relationship with the ER;</td><td>Appendix 5
Appendix 6</td></tr>
<tr><td></td><td>(k) for training and induction for employees, including contractors and sub-contractors, in relation to environmental and compliance obligations under the terms of this approval;</td><td>Section 4.2
EHS Training Matrix (support document)
EHS Training Planner (support document)</td></tr>
<tr><td></td><td>(l) for periodic review and update of the CEMP and all associated plans and programs.</td><td>Section 1.2</td></tr>
<tr><td>C3</td><td>The following CEMP sub plans must be prepared in consultation with the relevant government agencies identified for each CEMP sub plan and be consistent with the CEMF and CEMP referred to in Condition C1.
<table>
<tr><th></th><th>Required CEMP sub-plan</th><th>Relevant government agencies to be consulted for each CEMP sub-plan</th></tr>
<tr><td>(a)</td><td>Noise and vibration</td><td>Relevant Council(s)</td></tr>
<tr><td>(b)</td><td>Biodiversity</td><td>OEH and Relevant Council(s)</td></tr>
<tr><td>(c)</td><td>Air quality</td><td>N/A</td></tr>
<tr><td>(d)</td><td>Soil and Water</td><td>DPI Water, Relevant Council(s), OEH, SES, NSW Fire and Rescue</td></tr>
<tr><td>(e)</td><td>Groundwater</td><td>DPI Water</td></tr>
<tr><td>~~(f)~~</td><td>~~Blasting~~</td><td>~~N/A~~</td></tr>
<tr><td>(g)</td><td>Heritage</td><td>Heritage Council (or its delegate) and Relevant Council(s)</td></tr>
</table></td><td>As per the Staging Report, Noise and Vibration, Heritage and Groundwater sub plans are required for the MP ISD works,

Appendix 1.1</td></tr>
<tr><td>C4</td><td>The CEMP sub plans must state how:
(a) the environmental performance outcomes identified in the EIS as amended by the documents listed in A1 will be achieved;
(b) the mitigation measures identified in the EIS as amended by documents listed in A1 will be implemented;
(c) the relevant terms of this approval will be complied with; and
(d) issues requiring management during construction, as identified through ongoing environmental risk analysis, will be managed.</td><td>Compliance with this condition is further outlined in each respective sub plan</td></tr>
<tr><td>C5</td><td>The CEMP sub plans must be developed in consultation with relevant government agencies. Where an agency(ies) request(s) is not included, the Proponent must provide the Secretary justification as to why. Details of all information requested by an agency to be included in a CEMP sub plan as a result of consultation and copies of all correspondence from those agencies, must be provided with the relevant CEMP sub plan.</td><td>Compliance with this condition is further outlined in each respective sub plan</td></tr>
<tr><td>C6</td><td>Any of the CEMP sub plans may be submitted to the Secretary along with, or subsequent to, the submission of the CEMP but in any event, no later than one (1) month before commencement of construction.</td><td>Compliance with this condition is outlined in the Pre-construction Compliance Report required under CSSI approval A31.
C&SW C2S PCCR rev5 updated to include MPISD as Appendix A.9, submitted to DPIE 24/05/19.</td></tr>
<tr><td>C7</td><td>The CEMP must be endorsed by the ER and then submitted to the Secretary for approval no later than one (1) month before the commencement of construction or within another timeframe agreed with the Secretary.</td><td>Written EHS MP endorsement from the ER was included with submission of this document to DPIE</td></tr>
</table>

<table>
<tr><td>C8</td><td>Construction must not commence until the CEMP and all CEMP sub plans have been approved by the Secretary. The CEMP and CEMP sub plans, as approved by the Secretary, including any minor amendments approved by the ER (or AA in regards to the Noise and Vibration sub-plan), must be implemented for the duration of construction. Where the CSSI is being staged, construction of that stage is not to commence until the relevant CEMP and sub plans have been approved by the Secretary.</td><td>Noted
Section 1.2
Section 4.7
MP-ISD construction commenced after DPIE approval of the MP ISD CEMP rev 3 (18/04/19). This EHS Management Plan replaces the MP-ISD CEMP and was approved by DPIE.</td></tr>
<tr><td>C9</td><td>The following Construction Monitoring Programs must be prepared in consultation with the relevant government agencies identified for each Construction Monitoring Program to compare actual performance of construction of the CSSI against predicted performance.
<table>
<tr><th></th><th>Required Construction Monitoring Programs</th><th>Relevant government agencies to be consulted for each Construction Monitoring Program</th></tr>
<tr><td>(a)</td><td>Noise and Vibration</td><td>EPA and Relevant Council(s)</td></tr>
<tr><td>(b)</td><td>Blasting</td><td>EPA and Relevant Council(s)</td></tr>
<tr><td>(c)</td><td>Water Quality</td><td>EPA and Relevant Council(s)</td></tr>
<tr><td>(d)</td><td>Groundwater</td><td>DPI Water</td></tr>
</table></td><td>Section 5.1
Section 5.6
As per the Staging Report, Noise and Vibration and Groundwater Monitoring programs are required for the MP ISD works and are outlined within the respective management plan.</td></tr>
<tr><td>A41 – A44</td><td>The Secretary must be notified as soon as possible and in any event within 24 hours of any incident.</td><td>Section 4.3.4
Section 4.7</td></tr>
</table>

DPE's Guideline for the Preparation of Environmental Management Plans EMP Content Checklist

Requirement	Included Y/N	Document Reference
Background (EMP Guideline Section 4.3.1)		
Introduction	Y	Section 1, Appendix 11
Project Description	Y	Section 1.4, Appendix 11
EMP Context	Y	Appendix 11
EMP Objectives	Y	Appendix 3, Appendix 9
Environmental Policy	Y	Building EHS Policy Statement (support document)
Environmental Management (EMP Guideline Section 4.3.2)		
Environmental Management Structure & Responsibility	Y	Appendix 4, Appendix 5, Appendix 6
Approval and Licencing Requirements	Y	Section 3.2, Appendix 2, Appendix 11
Reporting	Y	Section 5, Section 5.6, Section 5.5
Environmental Training	Y	Section 4.2 EHS Training Matrix (support document) EHS Training Planner (support document)
Emergency Contacts and Response	Y	Section 4.6, Section 4.7
Implementation (EMP Guideline Section 4.3.3)		
Risk Assessment	Y	Section 4.5 Workplace Impacts and Hazards Risk Assessment (support document)
Environmental Management Activities and Controls	Y	Section 4, Section 5 Workplace Impacts and Hazards Risk Assessment (support document)
Environmental Controls Plans or Maps	Y	Appendix 1.1 Environmental control maps are located within the relevant sub plans listed in Appendix 1.1
Environmental Schedules	Y	EHS Weekly Site Inspection Form (support document) Incident Reporting and Management Procedure (support document) EHS Risk Management Procedure (support document)
Monitoring and Review (EMP Guideline Section 4.3.4)		
Environmental Monitoring	Y	Section 5.6
Environmental Auditing	Y	Section 5, Section 5.5 Auditing EHS Procedure (support document)
Corrective Action	Y	Section 5.3, Section 5.4
EMP Review	Y	Section 1.2

Sydney Metro Construction Environmental Management Framework (CEMF) - Station

Clause	Detail	Reference
3.3 (d)	As a minimum, the CEMP will:	
(i)	Include a contract specific environmental policy;	Building EHS Policy Statement (support document)
(ii)	Include description of activities to be undertaken during construction	Section 1.4, Appendix 11
(iii)	For each plan under the CEMP include a matrix of the relevant Conditions of Approval or Consent referencing where each requirement is addressed;	Per sub plan
(iv)	For each plan under the CEMP, set objectives and targets, and identify measurable key performance indicators in relation to these;	Per sub plan
(v)	For each role that has environmental accountabilities or responsibilities, including key personnel, provide a tabulated description of the authority and roles of key personnel, lines of responsibility and communication, minimum skill level requirements and their interface with overall project organisation structure;	Appendix 4 Appendix 5 Appendix 6
(vi)	Assign the responsibility for the implementation of the CEMP to the Environment Manager, who will have appropriate experience. The Principle Contractor's Project Director will be accountable for the implementation of CEMP;	Appendix 4 Appendix 5 Appendix 6
(vii)	Identify communication requirements, including liaison with stakeholders and the community;	Appendix 12
(viii)	Include induction and training requirements and a summary of the Training Needs Analysis required in Section 3.9(b)	Section 4.2 EHS Training Matrix (support document) EHS Training Planner (support document)
(ix)	Management strategies for environmental compliance and review of the performance of environmental controls;	Section 3.1 Section 4.5 Sections 5.3 - 5.6 Workplace Impacts and Hazards Risk Assessment (support document) Sub Plans and Procedures listed in Appendix 1.1
(x)	Processes and methodologies for surveillance and monitoring, auditing and review, and reporting on environmental performance including environmental compliance tracking;	Section 5 Section 5.5 Auditing EHS Procedure (support document)
(xi)	Include procedures for emergency and incident management, non-compliance management, and corrective and preventative action; and	Sections 5.3 - 5.5 Incident Reporting and Management Procedure (support document)
(xii)	Include procedures for the control of environmental records	Section 4.3.4 Section 4.4
3.4 (a)	The Principal Contractor will prepare issue-specific environmental sub plans to the CEMP and SMP (Sustainability Management Plan) which address each of the relevant environmental impacts at a particular site or stage of the project. Issue specific sub plans will include:	Appendix 1.1
(i)	Spoil management	Spoil Management Plan (sub plan to this EHS Plan required under Section 4.1.1 of the Staging Report)
(ii)	Groundwater management	Groundwater Management Plan (sub plan to this EHS Plan required under CSSI approval C3)
(iii)	Traffic and transport management	Construction Traffic Management Plan (separate to this EHS Plan required under CSSI approval E82)

(iv)	Noise and vibration management	Martin Place Metro CSSI Construction Noise and Vibration Management Plan (sub plan to this EHS Plan required under CSSI approval C3)
(v)	Heritage management	Construction Heritage Management Plan (sub plan to this EHS Plan required under CSSI approval C3)
(vi)	Flora and fauna management	Conservation and Habitat Management Plan
(vii)	Visual amenity management	Visual Amenity Management Plan (sub plan to this EHS Plan required under Section 4.1.1 of the Staging Report)
(viii)	Carbon and energy management	Carbon and Energy Management Plan (incorporated into the Sustainability Management Plan as per Section 4.1.1 of the Staging Report)
(ix)	Materials management	Materials Management Plan (incorporated into the Sustainability Management Plan as per Section 4.1.1 of the Staging Report)
(x)	Soil and water management	Stormwater and Erosion Management Plan
(xi)	Air quality management; and	Air Quality Management Plan
(xii)	Waste management and recycling.	Materials Management, Waste and Recycling Management Plan (incorporated into the Sustainability Management Plan as per Section 4.1.1 of the Staging Report)

Station EIS Revised Environmental Performance Outcomes

Field	Environmental performance outcomes	Document Reference
Construction traffic and transport	• The project would minimise impacts to the road network • Pedestrian and cyclist safety would be maintained • Effective coordination would be carried out to minimise cumulative network impacts • Access to properties would be maintained.	Construction Traffic Management Plan
Operational traffic and transport	• The project would appropriately integrate with existing and planned future transport infrastructure including active transport • Access to properties would be maintained • Metro customers would be provided with a safe and secure service • The project would reduce station crowding, increase rail network reach and use, improve network resilience, and improve travel times within the global economic corridor.	Not applicable to this plan or any construction component of the MP ISD scope of works
Construction noise and vibration	• Noise levels would be minimised with the aim of achieving the noise management levels where feasible and reasonable • The project would avoid any damage to buildings from vibration.	Construction Noise and Vibration Management Plan
Operational noise and vibration	• Noise levels would comply with the Rail Infrastructure Noise Guidelines (Environment Protection Authority, 2013). • The project would avoid any damage to buildings from vibration.	Not applicable to this plan or any construction component of the MP ISD scope of works
Landuse and property	• The project would be appropriately integrated into local landuse planning strategies • The surface footprint of the project would be minimised • The project would provide substantial future development opportunities.	Not applicable to this plan as it has been assessed within the EIS and not relevant to the construction component of the MP ISD scope of works
Business impacts	• The project would minimise impacts on businesses during construction • During operation, the project would improve access to businesses for employees and customers, and connectivity between businesses within the global economic corridor	Business Management Plan
Non-Aboriginal heritage	• The project would be sympathetic to heritage items and, where feasible and reasonable, avoid and minimise impacts to non-Aboriginal heritage items and archaeology • The design of the project would reflect the input of an independent heritage architect, relevant stakeholders and the design review panel.	Construction Heritage Management Plan
Aboriginal heritage	• The project would be sympathetic to heritage items and, where feasible and reasonable, avoid and minimise impacts to Aboriginal heritage items and archaeology • The design of the project would reflect the input of an independent heritage architect, relevant stakeholders and the design review panel.	Construction Heritage Management Plan
Landscape character and visual amenity	• During operation, the project would make a positive contribution to the quality of the urban environment at each station site • During operation, the project would minimise change to landscape character in the vicinity of the dive structures and Artarmon substation • The project would be visually integrated with its surroundings.	Not applicable to this plan or any construction component of the MP ISD scope of works
Groundwater and geology	• The project would make good any impacts on groundwater users • The project would avoid any damage to buildings from settlement.	Construction Groundwater Management Plan

Soils, contamination and water quality	• Erosion and sediment controls during construction would be implemented in accordance with Managing Urban Stormwater: Soils and Construction Volume 1 (Landcom, 2004) and Managing Urban Stormwater: Soils and Construction Volume 2 (Department of Environment and Climate Change, 2008a) • There would be no impacts on aquatic environments associated with disturbance of acid sulfate soils during construction • Any contamination on project sites would be remediated to suit future land use • The project would protect or contribute to achieving the Water Quality Objectives, during construction/operation • Construction water quality discharge would comply with the requirements of an environment protection licence issued to the project • Operation water quality discharge would comply with a discharge criteria determined in consultation with the NSW Environment Protection Authority.	Stormwater and Erosion Management Plan (support document) Contamination Management Plan (support document) Operational water discharge is not applicable to this plan or any construction component of the MP ISD scope of works
Social impacts and community facilities	• The project would avoid long term impacts (during operation) on the availability and quality of public open space and community facilities • The project, during operation, would help to improve access to local facilities, services and destinations, supporting opportunities for community interaction.	Not applicable to this plan or any construction component of the MP ISD scope of works
Biodiversity	• The biodiversity outcome would be consistent with the Framework for Biodiversity Assessment • The project would minimise impacts to biodiversity.	Conservation and Habitat Management Plan (support document)

Flooding and hydrology	• Changes to overland flow diversions during construction would meet the following criteria:
	  ○ Not worsen existing flooding characteristics up to and including the 100 year ARI event in the vicinity of the project (not worsen is defined as a maximum increase flood levels of 50mm in a 100 year ARI flood event, a maximum increase in time of inundation of one hour in a 100 year ARI flood event, and no increase in the potential for soil erosion and scouring from any increase in flow velocity in a 100 year ARI flood event).
	  ○ Dedicated evacuation routes would not be adversely impacted in flood events up to and including the probable maximum flood.
	• There would be no additional private properties affected by flooding up to and including the 100 year ARI event during operation
	• The performance of the downstream drainage network would be maintained during operation.
		Stormwater and Erosion Management Plan (support document)
		
		Arup design documentation

Air quality	• Dust and exhaust emissions during construction would be minimised.	Air Quality Management Plan (support document)
Hazard and risk	• The storage, use and transport of dangerous goods and hazardous substances would comply with Hazardous and Offensive Development Application Guidelines: Applying SEPP 33 (Department of Planning, 2011) • There would be no unplanned or unexpected disturbance of utilities.	Contamination Management Plan (support document)
Waste Management	• All waste would be assessed, classified, managed and disposed of in accordance with the NSW Waste Classification Guidelines • 100 per cent of spoil that can be reused would be beneficially	Waste Management Plan (incorporated into the

	reused in accordance with the project spoil reuse hierarchy. • A recycling target of at least 90 per cent would be adopted for the construction of the project.	Sustainability Management Plan)
Sustainability	• The project would be carried out in accordance with the Sydney Metro City & Southwest Environment and Sustainability Policy • 25 per cent of the greenhouse gas emissions associated with consumption of electricity during construction would be offset • 100 per cent of the greenhouse gas emissions associated with consumption of electricity during operation would be offset.	Sustainability Management Plan

Applicable Revised Environmental Mitigation Measures - Station

REMM ID	Mitigation Measure	Timeframe Required	Reference
Construction traffic and transport			
T1	Ongoing consultation would be carried out with (as relevant to the location) the CBD Coordination Office, Roads and Maritime Services, Sydney Trains, NSW Trains, the Port Authority of NSW, Barangaroo Delivery Authority, local councils, emergency services and bus operators in order to minimise traffic and transport impacts during construction	Prior to construction	Construction Traffic Management Plan
T2	Road Safety Audits would be carried out at each construction site. Audits would address vehicular access and egress, and pedestrian, cyclist and public transport safety	During construction	Construction Traffic Management Plan
T3	Directional signage and line marking would be used to direct and guide drivers and pedestrians past construction sites and on the surrounding network. This would be supplemented by Variable Message Signs to advise drivers of potential delays, traffic diversions, speed restrictions, or alternate routes	During construction	Construction Traffic Management Plan
T4	In the event of a traffic related incident, co-ordination would be carried out with the CBD Coordination Office and / or the Transport Management Centre's Operations Manager.	During construction	Construction Traffic Management Plan
T5	The community would be notified in advance of proposed road and pedestrian network changes through media channels and other appropriate forms of community liaison	During construction	Construction Traffic Management Plan
T6	Vehicle access to and from construction sites would be managed to ensure pedestrian, cyclist and motorist safety. Depending on the location, this may require manual supervision, physical barriers, temporary traffic signals and modifications to existing signals or, on occasions, police presence.	During construction	Construction Traffic Management Plan
T7	Additional enhancements for pedestrian, cyclist and motorist safety in the vicinity of construction sites would be implemented during construction. This would include measures such as: • Use of speed awareness signs in conjunction with variable message signs near construction sites to provide alerts to drivers • Community educational events that allow pedestrians, cyclists or motorists to sit in trucks and understand visibility restrictions of truck drivers, and for truck drivers to understand visibility from a bicycle; and a campaign to engage with local schools to educate children about road safety and encourage visual contact with drivers to ensure they are aware of presence of children • Specific construction driver training to understand route constraints, expectations, safety issues, human error and its relationship with fitness for work and chain of responsibility duties, and to limit the use of compression braking • Use of In Vehicle Monitoring Systems (telematics) to monitor vehicle location and driver behaviour • Safety devices on construction vehicles that warn drivers of the presence of a vulnerable road user located in blind spots and warn the vulnerable road user that a vehicle is about to turn.	During construction	Construction Traffic Management Plan
T8	Access to existing properties and buildings would be maintained in consultation with property owners.	During construction	Construction Traffic Management Plan
T9	All trucks would enter and exit construction sites in a forward gear, where feasible and reasonable.	During construction	Construction Traffic Management Plan

T10	Any relocation of bus stops would be carried out by Transport for NSW in consultation with Roads and Maritime Services, the CBD Coordination Office (for relevant locations), the relevant local council and bus operators. Wayfinding and customer information would be provided to notify customers of relocated bus stops.	Before relocation of bus stops	Construction Traffic Management Plan
T11	For special events that require specific traffic measures, those measures would be developed in consultation the CBD Coordination Office (for relevant locations), Roads and Maritime Services, Barangaroo Delivery Authority (for relevant locations) and the organisers of the event.	Before special events	Construction Traffic Management Plan
T12	Construction sites would be managed to minimise construction staff parking on surrounding streets. The following measures would be implemented: • Encouraging staff to use public or active transport • Encouraging ride sharing • Provision of alternative parking locations and shuttle bus transfers where feasible and reasonable. • Transport for NSW would work with local councils to minimise adverse impacts of construction on parking and other kerbside use in local streets, such as loading zones, bus zones, taxi zones and coach zones.	During construction	Construction Traffic Management Plan
T13	Construction site traffic would be managed to minimise movements in the AM and PM peak periods.	During construction	Construction Traffic Management Plan
T14	Construction site traffic immediately around construction sites would be managed to minimise movements through school zones during pick up and drop off times.	During construction	Construction Traffic Management Plan
T15	Pedestrian and cyclist access would be maintained at Crows Nest during the temporary closure of Hume Street, and at Martin Place during the temporary partial closure of Martin Place. Wayfinding and customer information would be provided to guide pedestrians and cyclists to alternative routes.	During construction	Construction Traffic Management Plan
T18	During the closure of existing entrances to Martin Place Station, marshals would be provided during the AM and PM peak periods to direct customers to available access and egress points	During construction	Construction Traffic Management Plan
T19	Where existing parking is removed to facilitate construction activities, alternative parking facilities would be provided where feasible and reasonable	During construction	Construction Traffic Management Plan
T21	The potential combined impact of trucks from multiple construction sites would be further considered during the development of Construction Traffic Management Plans	Prior to construction	Construction Traffic Management Plan
T22	Where existing footpath routes used by pedestrians and / or cyclists are affected by construction, a condition survey would be carried out to confirm they are suitable for use (eg suitably paved and lit), with any necessary modifications to be carried out in consultation with the relevant local council.	Prior to construction	Construction Traffic Management Plan
Construction Noise and Vibration			
NV1	The Construction Noise and Vibration Strategy would be implemented with the aim of achieving the noise management levels where feasible and reasonable. This would include the following example standard mitigation measures where feasible and reasonable: • Provision of noise barriers around each construction site • Provision of acoustic sheds at Martin Place dive • The coincidence of noisy plant working simultaneously close together would be avoided	During construction	Construction Noise and Vibration Management Plan

	• Offset distances between noisy plant and sensitive receivers would be increased • Residential grade mufflers would be fitted to all mobile plant • Dampened rock hammers would be used • Non-tonal reversing alarms would be fitted to all permanent mobile plant • High noise generating activities would be scheduled for less sensitive period considering the nearby receivers • The layout of construction sites would consider opportunities to shield receivers from noise. This would also include carrying out requirements in relation to construction noise vibration monitoring.		
NV3	Where vibration levels are predicted to exceed screening criteria, a more detailed assessment of the structure and attended vibration monitoring would be carried out to ensure vibration levels remain below appropriate limits for that structure. For heritage items, the more detailed assessment would specifically consider heritage values of the structure in consultation with a heritage specialist to ensure sensitive heritage fabric is adequately monitored and managed.	Prior to construction	Construction Noise and Vibration Management Plan
NV4	Feasible and reasonable measures would be implemented to minimise ground borne noise where exceedances are predicted	During construction	Construction Noise and Vibration Management Plan
NV6	Transport for NSW would engage an Independent Acoustic Advisor to act independently of the design and construction teams and provide oversight of construction methods, construction noise and vibration planning, management and mitigation, and construction noise and vibration monitoring and reporting. [refer REMMs for detail]	During construction	Construction Noise and Vibration Management Plan
NV7	Alternative demolition techniques that minimise noise and vibration levels would be investigated and implemented where feasible and reasonable. • The use of hydraulic concrete shears in lieu of hammers/rock breakers • Sequencing works to shield noise sensitive receivers by retaining building wall elements • Locating demolition load out areas away from the nearby noise sensitive receivers • Providing respite periods for noise intensive works • Methods to minimise structural-borne noise to adjacent buildings including separating the structural connection prior to demolition through saw-cutting and propping, using hand held splitters and pulverisers or hand demolition • Installing sound barrier screening to scaffolding facing noise sensitive neighbours • Modifying demolition works sequencing / hours to minimise impact during peak pedestrian times and /or adjoining neighbour outdoor activity periods.	Prior to construction	Construction Noise and Vibration Management Plan
Business impacts			
BI1	Specific consultation would be carried out with businesses potentially impacted during construction. Consultation would aim to identify and develop measures to manage the specific construction impacts for individual businesses.	Prior to construction	Business Management Plan
BI2	A business impact risk register would be developed to identify, rate and manage the specific construction impacts for individual businesses.	During construction	Business Management Plan
BI3	Appropriate signage would be provided around construction sites to provide visibility to retained businesses.	During construction	Business Management Plan

Non-Aboriginal heritage			
NAH2	The archaeological research design would be implemented. Significant archaeological findings would be considered for inclusion in heritage interpretation (as per NAH8) for the project and be developed in consultation with the relevant local council.	During construction	Construction Heritage Management Plan
NAH3	An Exhumation Policy and Guideline would be prepared and implemented. It would be developed in accordance with Guidelines for Management of Human Skeletal Remains (NSW Heritage Office, 1998b) and NSW Health Policy Directive – Exhumation of human remains (December, 2013). It would be prepared in consultation with NSW Heritage Office and NSW Health.	During construction	Construction Heritage Management Plan
NAH5	Prior to total or partial demolition of heritage items at Martin Place station, heritage fabric for salvage would be identified and reuse opportunities for salvaged fabric considered. This would include salvage and reuse of heritage tiles to be impacted at Martin Place Station.	Prior to construction	Construction Heritage Management Plan
NAH6	An appropriately qualified and experienced heritage architect would form part of the Sydney Metro Design Review Panel and would provide independent review periodically throughout detailed design.	Prior to construction	Construction Heritage Management Plan
NAH7	The project design would be sympathetic to heritage items and, where reasonable and feasible, minimise impacts to the setting of heritage items. The detailed design for Martin Place Station would be developed with input from a heritage architect.	Prior to construction	Construction Heritage Management Plan
NAH8	Appropriate heritage interpretation would be incorporated into the design for the project in accordance with the NSW Heritage Manual, the NSW Heritage Office's Interpreting Heritage Places and Items: Guidelines (August 2005), and the NSW Heritage Council's Heritage Interpretation Policy.	Prior to construction	Construction Heritage Management Plan
NAH11	Except for heritage significant elements affected by the project, direct impact on other heritage significant elements forming part of the following items would be avoided: The existing Martin Place Station	During construction	Construction Heritage Management Plan
NAH14	The final design and location of the new connection and opening at Martin Place Railway Station would minimise removal of the significant red ceramic tiling where feasible and reasonable.	Prior to construction	Construction Heritage Management Plan
NAH15	Opportunities for the reuse of any tiles at Martin Place Railway Station that are removed would be investigated.	During construction	Construction Heritage Management Plan
NAH16	Opportunities for the reuse of the circular seating within Martin Place Station would be investigated.	During construction	Construction Heritage Management Plan
NAH19	Subject to outcomes of consultation with the church, temporary and permanent works at the Congregational Church would: • Minimise impacts to heritage fabric • Be sympathetic to the heritage values and architectural form of the building.	During construction	Construction Heritage Management Plan
NAH21	The internal and external finishes of the infilled openings between 9-19 Elizabeth Street and the Commonwealth Bank of Australia building would be developed in consultation with a heritage architect.	During construction	Construction Heritage Management Plan
Aboriginal heritage			
AH1	Aboriginal stakeholder consultation would be carried out in accordance with the NSW Office of Environment and	Prior to construction	Construction Heritage Management Plan

	Heritage's Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.		
AH2	The cultural heritage assessment report would be implemented.	During construction	Construction Heritage Management Plan
AH3	Archaeological test excavation (and salvage when required) would be carried out where intact natural soil profiles with the potential to contain significant archaeological deposits are encountered at the Martin Place Station dive site. Excavations would be conducted in accordance with the methodology outlined in the Aboriginal cultural heritage assessment report	During construction	Construction Heritage Management Plan
AH4	Appropriate Aboriginal heritage interpretation would be incorporated into the design for the project in consultation with Aboriginal stakeholders.	Prior to construction	Construction Heritage Management Plan
Landscape character and visual amenity			
LV1	Where feasible and reasonable, the elements within construction sites would be located to minimise visual impacts, for example materials and machinery would be stored behind fencing.	During construction	Visual Amenity Management Plan
LV2	Existing trees to be retained would be protected prior to the commencement of construction in accordance with Australian Standard AS4970 the Australian Standard for Protection of Trees on Development Sites and Adjoining Properties.	Prior to construction	Conservation and Habitat Management Plan
LV3	Lighting of construction sites would be oriented to minimise glare and light spill impact on adjacent receivers.	During construction	Visual Amenity Management Plan
LV4	Visual mitigation would be implemented as soon as feasible and reasonable after the commencement of construction, and remain for the duration of the construction period.	During construction	Visual Amenity Management Plan
LV5	Opportunities for the retention and protection of existing trees would be identified during detailed construction planning.	Prior to construction	Conservation and Habitat Management Plan
LV6	The design and maintenance of construction site hoardings would aim to minimise visual amenity and landscape character impacts, including the prompt removal of graffiti. Public art opportunities would be considered.	Prior to construction	Visual Amenity Management Plan
LV10	Temporary impacts to public open space would be rehabilitated in consultation with the relevant local council and / or landowner	During construction	Visual Amenity Management Plan
Groundwater and Geology			
GWG1	A detailed geotechnical model for the project would be developed and progressively updated during design and construction. The detailed geotechnical model would include: • Assessment of the potential for damage to structures, services, basements and other sub-surface elements through settlement or strain • Predicted changes to groundwater levels, including at nearby water supply works. Where building damage risk is rated as moderate or higher (as per the CIRIA 1996 risk-based criteria), a structural assessment of the affected buildings / structures would be carried out and specific measures implemented to address the risk of damage. With each progressive update of the geotechnical model the potential for exceedance of the following target changes to groundwater levels would be reviewed: • Less than 2.0 metres – general target • Less than 4.0 metres – where deep building foundations present • Less than 1.0 metre – residual soils	Prior to and during construction	Construction Groundwater Management Plan

	• Less than 0.5 metre – residual soils (Blues Point) (fill / Aeolian sand). Where a significant exceedance of target changes to groundwater levels are predicted at surrounding land uses and nearby water supply works, an appropriate groundwater monitoring program would be developed and implemented. The program would aim to confirm no adverse impacts on groundwater levels or to appropriately manage any impacts. Monitoring at any specific location would be subject to the status of the water supply work and agreement with the landowner. The geotechnical model and groundwater monitoring program would be developed in consultation with the Department of Primary Industries (Water).		
GWG2	Condition surveys of buildings and structures in the vicinity of the tunnel and excavations would be carried out prior to the commencement of excavation at each site.	Prior to construction	Construction Groundwater Management Plan
Soils, contamination and water quality			
SCW3	Erosion and sediment control measures would be implemented in accordance with Managing Urban Stormwater: Soils and Construction Volume 1 (Landcom, 2004) and Volume 2 (DECC, 2008a). Measures would be designed as a minimum for 80th percentile; 5-day rainfall event.	During construction	Stormwater and Erosion Management Plan
SCW4	Discharges from the construction water treatment plants would be monitored to ensure compliance with the discharge criteria in an environment protection licence issued to the project.	During construction	Stormwater and Erosion Management Plan
Social impacts and community infrastructure			
SO2	Specific consultation would be carried out with sensitive community facilities (including aged care, child care centres, educational institutions and places of worship) potentially impacted during construction. Consultation would aim to identify and develop measures to manage the specific construction impacts for individual sensitive community facilities.	Prior to construction	Community Communications Strategy
Biodiversity			
B3	The local WIRES group and / or veterinarian would be contacted if any fauna are injured on site or require capture and / or relocation.	During construction	Conservation and Habitat Management Procedure
Flooding and Hydrology			
FH1	Detailed construction planning would consider flood risk at Martin Place Station construction site. This would include identification of measures to, where feasible and reasonable, not worsen existing flooding characteristics up to and including the 100 year annual recurrence interval event in the vicinity of the project. Not worsen is defined as: • A maximum increase flood levels of 50mm in a 100 year ARI flood event • A maximum increase in time of inundation of one hour in a 100 year ARI flood event • No increase in the potential for soil erosion and scouring from any increase in flow velocity in a 100 year ARI flood event.	During construction	Stormwater and Erosion Management Procedure
Air quality			
AQ1	The engines of all on-site vehicles and plant would be switched off when not in use for an extended period.	During construction	Air Quality Management Plan

AQ2	Plant would be well maintained and serviced to minimise emissions. Emissions from plant would be considered as part of pre-acceptance checks.	During construction	Air Quality Management Plan
AQ3	Construction site layout and placement of plant would consider air quality impacts to nearby receivers.	During construction	Air Quality Management Plan
AQ4	Hard surfaces would be installed on long term haul routes and regularly cleaned.	During construction	Air Quality Management Plan
AQ5	Unsurfaced haul routes and work area would be regularly damped down in dry and windy conditions.	During construction	Air Quality Management Plan
AQ6	All vehicles carrying loose or potentially dusty material to or from the site would be fully covered.	During construction	Air Quality Management Plan
AQ7	Stockpiles would be managed to minimise dust generation.	During construction	Air Quality Management Plan
AQ8	Demolition would be managed to minimise dust generation.	During construction	Air Quality Management Plan
AQ9	Ventilation from acoustic sheds would be filtered.	During construction	Air Quality Management Plan
Hazard and risk			
HR1	All hazardous substances that may be required for construction would be stored and managed in accordance with the Storage and Handling of Dangerous Goods Code of Practice (WorkCover NSW, 2005) and Hazardous and Offensive Development Application Guidelines: Applying SEPP 33 (Department of Planning, 2011).	During construction	Contamination Management Plan
HR2	Dial before you dig searches and non-destructive digging would be carried out to identify the presence of underground utilities.	During construction	Contamination Management Plan
Waste management			
WM1	All waste would be assessed, classified, managed and disposed of in accordance with the NSW Waste Classification Guidelines.	During construction	Waste Management Plan (incorporated into the Sustainability Management Plan)
WM2	100 per cent of spoil that can be reused would be beneficially reused in accordance with the project spoil reuse hierarchy.	During construction	Waste Management Plan (incorporated into the Sustainability Management Plan)
WM3	A recycling target of at least 90 per cent would be adopted for the project.	During construction	Waste Management Plan (incorporated into the Sustainability Management Plan)
WM4	Construction waste would be minimised by accurately calculating materials brought to the site and limiting materials packaging.	During construction	Waste Management Plan (incorporated into the Sustainability Management Plan)
Sustainability			
SUS1	Sustainability initiatives would be incorporated into the detailed design and construction of the project to support the achievement of the project sustainability objectives.	During construction	Sustainability Management Plan
SUS2	A best practice level of performance would be achieved using market leading sustainability rating tools during design and construction.	Prior to and during construction	Sustainability Management Plan
SUS3	A workforce development and industry participation strategy would be developed and implemented during construction.	During construction	Sustainability Management Plan
SUS4	Climate change risk treatments would be incorporated into detailed design including:	Prior to construction	Sustainability Management Plan

	• Ensuring that adequate flood modelling is carried out and integrated with design • Testing the sensitivity of air-conditioning systems to increased temperatures, and identify potential additional capacity of air-conditioning systems that may be required within the life of the project, with a view to safeguarding space if required • Testing the sensitivity of ventilation systems to increased temperatures and provide adequate capacity.		
SUS5	An iterative process of greenhouse gas assessments and design refinements would be carried out during detailed design and construction to identify opportunities to minimise greenhouse gas emissions. Performance would be measured in terms of a percentage reduction in greenhouse gas emissions from a defined reference footprint.	Prior to and during construction	Sustainability Management Plan
SUS6	25 per cent of the greenhouse gas emissions associated with consumption of electricity during construction would be offset.	During construction	Sustainability Management Plan
Cumulative impacts			
CU1	Transport for NSW would manage and co-ordinate the interface with projects under construction at the same time. Co-ordination and consultation with the following stakeholders would occur, where required: • CBD Coordination Office • Department of Planning and Environment • Roads and Maritime Services • Sydney Trains • NSW Trains • Sydney Buses • Sydney Water • Port Authority of NSW • Willoughby Council • North Sydney Council • City of Sydney Council • Marrickville Council • Sydney Motorways Corporation • Barangaroo Delivery Authority • Emergency service providers • Utility providers • Construction contractors. Co-ordination and consultation with these stakeholders would include: • Provision of regular updates to the detailed construction program, construction sites and haul routes. Identification of key potential conflict points with other construction projects. • Developing mitigation strategies in order to manage conflicts. Depending on the nature of the conflict, this could involve: ○ Adjustments to the Sydney Metro construction program, work activities or haul routes; or adjustments to the program, activities or haul routes of other construction projects ○ Co-ordination of traffic management arrangements between projects.	Prior to construction	Construction Traffic Management Plan Community Communications Strategy

Compliance Monitoring for SSD 9270 and SSD 9326

Compliance monitoring for SSD 9270 and SSD 9326 will be completed as per conditions C4, C5 and C6 for each. A Compliance Monitoring and Reporting programme has been prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2018) and issued to DPIE.

Compliance Reports of the projects will be carried out in accordance with the Compliance Reporting Post Approval Requirements (Department 2018). An excerpt is provided below to outline implementation of this EHS Plan to satisfy the requirements of both SSDs condition C16.

Condition / ID	Compliance Requirement	Monitoring Methodology	Evidence & Comments
C16	Prior to the issue of the relevant Construction Certificate, the Applicant shall:	Certifying Authority construction certificate submission	Correspondence to be provided that the above has been submitted to the secretary.
	(a) amend the Construction Environmental Management Plan (CEMP) applicable to the CSSI station works (CSSI 7400) to apply to the development. The amended CEMP must be submitted to the Planning Secretary and Certifying Authority, or	Certifying Authority construction certificate submission. Construction Compliance Reports. Pre-Construction Compliance Report.	CSSI CEMP conditions have been satisfied with the MPISD Project EHS Management Plan (this plan). EHS Management Plan includes relevant SSD content and application. Correspondence to be provided that the above has been submitted to the secretary.
	(b) prepare a Construction Framework Environmental Management Plan (CFEMP) for the development, independent of the CEMP approved with the CSSI station works. A copy of the final CFEMP must be submitted to the Planning Secretary and Certifying Authority. The CFEMP must: (i) describe the relevant stages and phases of construction including work programme outlining relevant timeframes for each stage/phase; (ii) describe all activities to be undertaken on the site during site establishment and construction of the development; (iii) clearly outline the stages/phases of construction that require ongoing environmental management monitoring and reporting; (iv) detail statutory and other obligations that the Applicant is required to fulfil during site establishment and construction, including approvals, consultations and agreements required from authorities and other stakeholders, and key legislation and policies; (v) include specific consideration of measures to address any requirements of the EPA during site establishment and construction; (vi) describe the roles and responsibilities for all relevant employees involved in the site establishment and construction of the works; (vii) detail how the environmental performance of the site preparation and construction works will be monitored, and what actions will be taken to address identified potential environmental impacts; (viii) document and incorporate all sub environmental management plans (Sub-Plans), studies and monitoring programmes required under this consent; and (ix) include arrangements for community consultation and complaints handling procedures during construction	Not Used	Not Used

APPENDIX 15 PLAN SIGNATURES

LLB project/workplace employees that are required to manage environment health and safety as a key part of their roles and responsibilities at the project are to be inducted in this Plan, and its related management sub plans relevant to their role; evidenced by completing the Table below.

I acknowledge that I have read and understood this Project EHS Management Plan and its related management sub plans relevant to my role.

Name	Position	Signature	Date