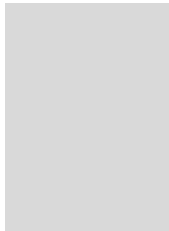


Independent Environmental Compliance Audit



Watermans Cove & Public Domain Works
Barangaroo

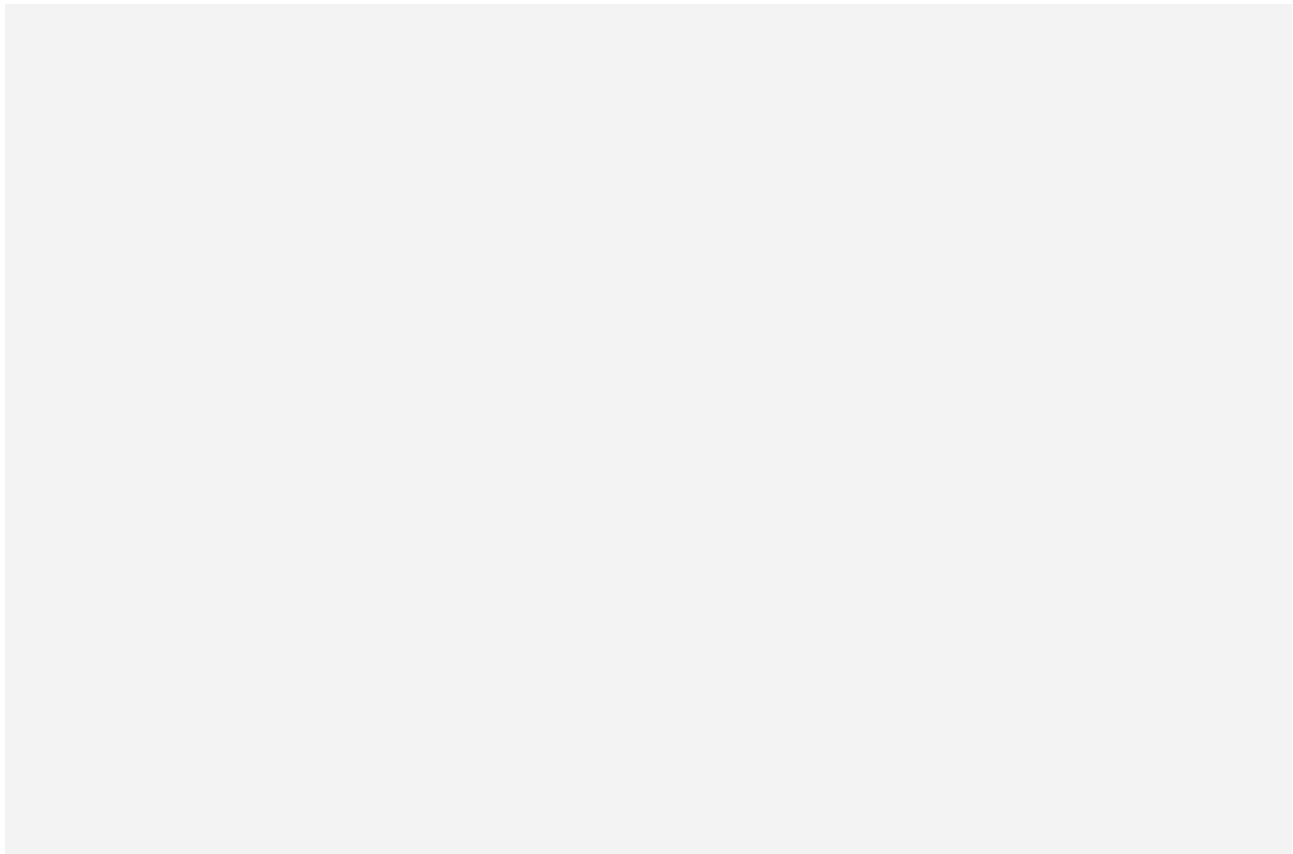
November 2019



 wolfpeak

Document History

Revision	Date	Prepared By	Reviewed By	Description
V0	11/11/2019	S Fermio	Auditee	For factual correctness & response to audit findings
V1	27/11/2019	S Fermio	D Low	Final report



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Executive Summary

Lendlease Millers Point Pty Ltd (Lendlease) is delivering the public domain works in Waterman's Cove, Hickson Park, Waterman's Quay, Wulugul Walk and a section of Barangaroo Avenue. The Project was granted approval on 11 September 2018 (State Significant Development 7944) subject to a number of Conditions of Consent (CoC).

An independent audit program was prepared in accordance with CoC C20. The program set out the scope and schedule of audits for the Project. The purpose of this audit was to undertake a review of the Project to verify compliance with the CoCs, and to assess the effectiveness of implementation of the Project's environmental management and mitigation measures as set out in the Construction Environmental Management Plan (CEMP) and selected Sub-Plans. This Audit Report presents the findings from the second audit undertaken on the 24 October 2019 for the construction period, covering the period from April 2019 until September 2019.

At the time of the audit noise hoardings and construction site offices and facilities at the site were installed, the concrete slab from the former port facility had largely been removed, piles for the new public pier foundations in the harbour and some decking had been installed.

The overall outcome of the audit was very positive. The environmental management plans and procedures that were reviewed were found to be well implemented, records were well managed, and the site's environmental controls were well maintained, which is important given the sensitive location on the water's edge of Darling Harbour.

There were no non-compliances identified against the CoC.

There were 5 observations identified against the CoC. These related to potential improvements to the environmental Sub-Plans with regard to revision of plan titles, details of legislation, environmental monitoring summary and correcting an illegible appendix heading. There was also a positive observation made in relation to the implementation of very high-quality water quality controls around the water facing edge of the worksite.

There were no non-conformances, observations or corrective action requests identified in relation to the CEMP and the Sub-Plans reviewed during the audit.

Detailed findings are presented in Section 2. The Audit Checklists provided in Appendices A and B present details of the evidence collected, observed and provided in support of a finding.

The overall outcome of the audit was indicative of a high level of compliance and environmental performance by Lendlease and its contractors carrying out the works. No actions are required to improve the environmental management or documentation at the site at this point in time.

The auditor would like to thank the auditees for their high level of organisation, cooperation and assistance during the audit.

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1.0 Introduction

1.1 The Works

Lendlease Millers Point Pty Ltd (Lendlease) is delivering the public domain works in Waterman's Cove, Hickson Park, Waterman's Quay, Wulugul Walk and a section of Barangaroo Avenue at Barangaroo South. The Project was granted approval on 11 September 2018 (State Significant Development 7944) subject to a number of Conditions of Consent (CoC). The site location is presented in Figure 1.

The Barangaroo South Precinct is a 22-hectare land parcel located on the north-western edge of the Sydney central business district and the southern end of the Sydney Harbour Bridge at the western shore of Millers Point. The site comprises approximately 1.4 kilometres of Darling Harbour foreshore extending from Johnston's Bay north to the eastern head of Walsh Bay.

Lendlease Millers Point intends to develop the 7.5-hectare Stage 1 site of Barangaroo South to provide approximately 430,000 square metres of mixed-use gross floor area (GFA) and approximately 2.5 hectares of open space. The overall project will include a mix of commercial, retail, residential, cultural and civic facilities along with improved transport infrastructure.

The proposed public domain works being developed under SSD 7944 and which are the subject of this audit are located within both the Barangaroo South and Central Barangaroo Precincts and entirely within the Barangaroo Site. The current stage of the public domain works includes the following within Barangaroo South and part of Central Barangaroo:

- Erection of marine foundations and base structure for pier
- Installation of decking for pier.

Construction commenced on 9 January 2019. Practical completion of the construction phase is targeted for 23 December 2020.



Figure 1 - Site location

1.2 SSD Approval Requirements

Approval for the Project was granted on 11 September 2018 by the delegate of the Minister of Planning under Section 4.38 of the *Environmental Planning and Assessment Act 1979*, being State Significant Development 7944 (SSD 7944). Approval was granted subject to a number of Conditions of Consent (CoCs).

This audit is being carried out in order to satisfy the requirements set out in CoC C20 which requires an Independent Environmental Audit to be undertaken. It states:

No later than one week before the commencement of construction or within another timeframe agreed with the Secretary, a program of independent environmental audits must be prepared for the development in accordance with AS/NZS ISO 190-2014: Guidelines for Auditing Management Systems (Standards Australia, 2014) and submitted to the Secretary for information.

The scope of each audit must be defined in the program. The program must ensure that environmental performance of the development in relation to each compliance requirement that forms the audit scope is assessed at least once in each audit cycle.

The environmental audit program of the development must be conducted by a suitably qualified, experienced and independent team of experts and be documented in an audit report which:

- a) assesses the environmental performance of the development, and its effects on the surrounding environment including the community;*
- b) assesses whether the development is complying with the terms of this consent;*
- c) reviews the adequacy of any document required under this consent; and*
- d) recommends measures or actions to improve the environmental performance of the development, improvements to any document required under this consent.*

Within three months of commencing an Independent Environmental Audit, or within another timeframe agreed by the Secretary, a copy of the audit report must be submitted to the Secretary, and any other NSW agency that requests it, together with a response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The recommendations must be implemented to the satisfaction of the Secretary.

Note: The audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.

An audit program was prepared by WolfPeak in September 2018, outlining the scope of each audit, ensuring that the audits assess the environmental performance of the development at least once in each audit cycle.

The audit cycle set out in the program was one audit every six months, with the following indicative timeframes proposed:

- Audit 1: Covering the period from October 2018-March 2019 undertaken in April 2019;
- Audit 2: Covering the period from April 2019-September 2019 undertaken in October 2019; and
- Any additional audits that may be needed should the construction period extend beyond October 2019, or where required by the Department in response to significant environmental incidents or complaints or concerns by regulatory authorities or where otherwise requested by Lendlease itself.

1.3 Purpose and Scope

The purpose of this audit is to satisfy the commitments set out in the audit program prepared in accordance with CoC C20, to undertake a review of Project works to verify compliance with the CoC, assess the effectiveness of environmental management and mitigation measures and review the adequacy of Project documents.

This audit comprised a site visit, interviews with Project personnel, document review and detailed assessment of:

- the Project construction works against CoC applicable at the time of the audit; and
- the implementation of selected environmental management and mitigation measures as set out in the Project Construction Environmental Management Plan (CEMP), Community

Communication Strategy (C2 Sub-Plan), Erosion Sediment Control Plan (C13 Sub-Plan), and Construction Vessel Traffic Management Plan (C18 Sub-Plan), EHS Plan (CEMP).

1.4 Methodology

This audit was conducted in accordance with *AS/NZS ISO 19011:2014 - Guidelines for Auditing Management Systems*. An overview of the audit activities, as specified in the standard, is presented in Figure 2.

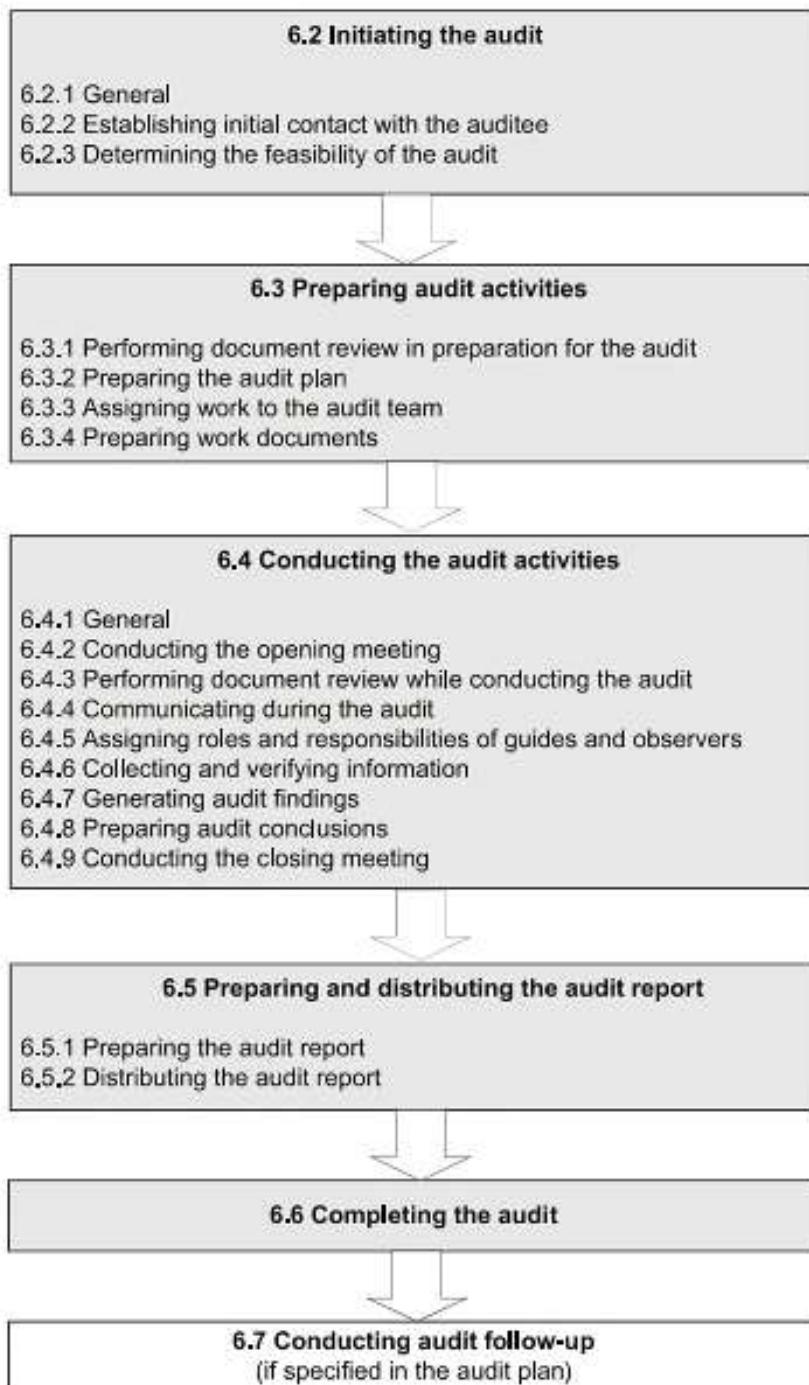


Figure 2: Audit activities overview (AS/NZS ISO 19011:2014). Subclause numbering refers to the relevant subclauses in the Standard.

Prior to the commencement of the audit the following tasks were completed:

- Establish initial contact with the auditee
- Confirm the audit team: The audit was undertaken by Steve Fermio. Steve is an Exemplar Global certified Principal Environmental auditor (certificate number 110498)
- Confirm the audit purpose, scope and criteria.

The documents reviewed prior to the site visit are as follows:

- Project Approval SSD 7944 for the Public Domain and Associated Works at Barangaroo South and Central
- *One Sydney Harbour Project EHS Management Plan 16/07/2018 | Issue No 4.0 (the CEMP)*
- *Barangaroo South - Public Domain Community Communication Strategy (C2) 01/11/2018, Rev 3*
- *One Sydney Harbour – Erosion Sediment Control Plan (C13) 29/05/019, Rev 7*
- *One Sydney Harbour Waterfront Structures Works – Marine Traffic Management Plan (C18) 16/04/2019, Rev 8.*

Following the document review the following tasks were undertaken prior to the on-site audit activity:

- Preparing the audit program
- Assigning work to the audit team
- Preparing audit checklists, comprising the full set of CoCs and select environmental management and mitigation measures as set out in the CEMP and Sub-Plans above relevant to the stage of works.

The on-site audit activities took place on 24 October 2019. The following personnel took part in the audit:

- Wayne Duffy – Environmental Manager, Lendlease
- Miranda Osgood – Site Engineer, Lendlease
- Georgina Lehmann – Site Engineer, Lendlease
- Steve Fermio – Auditor, WolfPeak.

The on-site audit activities included:

- an opening and closing meeting. At the opening meeting the objectives of the audit, the scope of the audit, the resources required and methodology to be applied were discussed. At the closing meeting, preliminary audit findings were presented, along with discussion on any recommendations or next steps
- interviews with key personnel involved in project delivery, including those with responsibility for environmental management
- a physical site inspection, covering all development areas and environmental aspects that form part of the scope of the audit; and
- a review of plans, records, reports and correspondence that acted as evidence in support of a finding.

A component of the audit was conducted off-site, after the on-site audit activities. The off-site audit activities were completed between 24 October and 19 November 2019. The off-site component involved a review of plans, reports, checklists, correspondence records and other documentation available on the Project website and provided by Lendlease personnel at the auditor's request.

In relation to findings against conditions, the following terminology was adopted:

- **Compliant:** The auditor has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with within the scope of the audit.
- **Non-compliant:** The auditor has determined that one or more specific elements of the conditions or requirements have not been complied with within the scope of the audit.
- **Not triggered:** A requirement has an activation or timing trigger that has not been met at the time when the audit is undertaken, therefore an assessment of compliance is not relevant.

In support of making one of the findings above, the following terms may also be used:

- **Positive observation:** A situation observed during the audit that indicates that the proponent has gone to an effort to exceed the requirements of the CoC or mitigation measures in the management plans, or the expectations of the community
- **Observation:** A situation observed during the audit that provides an opportunity for improvement, requires further consideration or could lead to a non-compliance or environmental impact if not addressed
- **Corrective action request:** Observation of significance that, may or may not be a matter of compliance with the CoC but, warrants the issue of a corrective action request to rectify a situation or issue.

2.0 Audit Findings

This Section presents the findings of the audit.

Section 4 presents a summary of the findings from this audit and actions proposed or undertaken in response to the findings. The Audit Checklists provided in Appendices A and B present details of the evidence collected, observed and provided in support of a finding.

2.1 Compliance Status

There were no non-compliance identified against the CoC.

2.2 Observations

There were 5 observations identified against the CoC. These related to potential improvements to the environmental sub plans with regard to revision of plan titles, details of legislation, environmental monitoring summary and correcting an illegible appendix heading.

2.3 Effectiveness of environmental management & mitigation measures

The effectiveness of implementation of construction environmental management measures relied on a review of Lendlease's plans and procedures, site inspection records, incident reports, training and induction records and other relevant records that were reviewed during the site inspection and interviews held during the audit.

The location of the site on the edge of Darling Harbour is environmentally sensitive and highly publicly visible. At the time of the inspection, piling works had just been completed and deck construction was taking place. This work was being undertaken over the water's edge, and strict controls and procedures are required to ensure any spills and other discharges are prevented from leaving the site. These controls and procedures were observed to be in place during the site inspection as evidenced in photos 1, 2, 3, 5, 8, 9, 10, 13, 14, 15. Water quality monitoring (photo 12) being undertaken in accordance with the Project's EPA Licence (now surrendered) indicates that works being undertaken at the site are not impacting on water quality in Darling Harbour.

The auditor is aware of one complaint from the public in relation to the works during the period covered by the audit. The auditor is not aware of any environmental incidents having been reported to the EPA or the Department, or any regulatory actions from these agencies, for the audit period.

An active green wall system ('Junglefy Breathing Wall') has been established and continued to be maintained around the site as a noise hoarding. This system may also contribute to the removal of air pollutants, cooling of the surrounding air temperature and increasing biodiversity habitat in what is an otherwise highly urban environment. The wall also enhances the visual amenity of this active construction area.

Access for the surrounding community was well maintained. There appeared to be no obstructions or detours for pedestrians or cyclists. Thoroughfares were clean and free of graffiti.

The assessment indicated that the CEMP and associated Sub-Plans were being effectively implemented and the sample of mitigation measures that were checked during this audit have achieved a good level of environmental protection. There were no non-conformances or observations identified in relation to implementation of the CEMP or Sub-Plans reviewed during the audit.

Additionally, there was a positive management approach observed on site, demonstrated through:

- implementation of strict environmental controls around the water's edge
- a well presented, secured and signposted construction zone
- few public complaints and no regulatory actions or reported environmental incidents
- good record control
- installation of Active Green Wall System as a noise hoarding around the construction zone.

These indicate that the CEMP and Sub-Plans (and Lendlease's EHS System for the Project) are adequate and effective and are being implemented on site. No actions are required to improve the environmental management or documentation at the site at this point in time.

3.0 Audit Conclusions

The overall outcome of the audit was very positive.

Compliance records were very well organised and available at the time of the site inspection and interview with Lendlease personnel on 24 October 2019. Relevant environmental and compliance monitoring records continue to be collected and reported as required to provide verification of compliance to statutory requirements and the broader Project environmental requirements.

There were no non-compliance against any of the Conditions.

There were 5 observations identified in relation to the Conditions plus one positive observation.

Detailed findings are presented in Section 2. Actions proposed by the Project team to address the findings of this audit are set out in Section 4.

The overall outcome of the audit was indicative of a high level of compliance and environmental performance by Lendlease and its contractors carrying out the works. No actions are required to improve the environmental management or documentation at the site at this point in time

The auditor would like to thank the auditees for their high level of organisation, cooperation and assistance during the audit.

4.0 Audit Actions

Table 1: AUDIT ACTION LIST

Item	Cond No	Type	Details of Item	Proposed or Completed Action	By whom and by when	Status
APRIL 2019 AUDIT FINDINGS						
1	CoC C4	Non-compliance	<p>A Pre-Construction Compliance Report must be prepared for the development and submitted to the Certifying Authority for approval before the commencement of construction. A copy of the endorsed compliance report must be provided to the Department at compliance@planning.nsw.gov.au before the commencement of construction. The Pre-Construction Compliance Reports must include information prescribed by the conditions.</p> <p>Note the requirement to submit a Pre-Construction Compliance Report prior to construction is duplicated in CoC C4 and CoC C6.</p>	<p>PCCR submitted to DPE and as this is a one-off report no further action required.</p> <p>A compliance reporting schedule has been prepared by Lendlease's Environment Manager to ensure reports are submitted on time.</p>	No further action required.	Closed
2	CoC C6		<p>Lendlease Environment Manager submitted Pre-Construction Compliance Report (PCCR) on 23/3/19 via email. This Report was submitted to the Certifying Authority prior to construction commencement but administrative oversight lead to the PCCR not being submitted to DPE prior to construction commencing.</p>			
OCTOBER 2019 AUDIT FINDINGS						
1	CoC C7	Observation	The Complaints Register provided on the Project website is a summary for the month and the nature and date of the complaints cannot be viewed. It is considered that more details of the nature and time of the complaint, actions taken to address and close out timeframe should be provided to be more consistent with similar registers provided publicly on other major projects in NSW	Lendlease advises that an updated Complaints Register containing the date, nature and close-out actions of complaints is to be uploaded to the project webpage.	Lendlease	<p>Updated Complaints Register prepared.</p> <p>To be uploaded to the project website in December 2019</p>
2	CoC C8	Observation	Sub-Plans as required by this consent are not correctly referenced in the CEMP, e.g. Spoil and Waste Management Sub-Plan is referred to as the Waste Management Sub-Plan; Water and Stormwater Management Plan is referred to as the Water Resource Management Plan; Construction Traffic Management Plan is referred to as the Traffic & Parking Management Sub-Plan. There is no reference to the Marine (or Construction vessel) Traffic Management Sub-Plan.	Lendlease advises that the Marine TMP to be referenced in the next review of the Management Plan if it is applicable	Lendlease	EHS Plan due for review early February 2020

Item	Cond No	Type	Details of Item	Proposed or Completed Action	By whom and by when	Status
3	CoC C8	Observation	Key environmental legislation in Appendix 2 of the EHS Plan is not specific to the site (general national references only), e.g. the Contaminated Land Management Act 1977 is not referenced despite a declared area of contamination identified in Section 1.4 Project Description. Reference is made to the Impacts & Hazards Risk Assessment for project-specific information, which is not provided as an appendix to the CEMP.	Lendlease advises that this will be added in the next document review if still applicable	Lendlease	EHS Plan due for review early February 2020
4	CoC C8	Observation	There is no summary of environmental monitoring requirements in the EHS Plan – limited to reference to Sub-Plans.	In accordance with the Lendlease EMS documentation, the environmental requirements are captured in the Environmental Sub-Plans which are referenced in the main EHS Plan.	Lendlease	Closed
5	CoC C8	Observation	Headings are illegible in Appendix 5 of EHS, Responsibilities/Accountabilities Matrix.	The headings have been rectified in the latest Rev 5	Lendlease	Closed

5.0 Photos

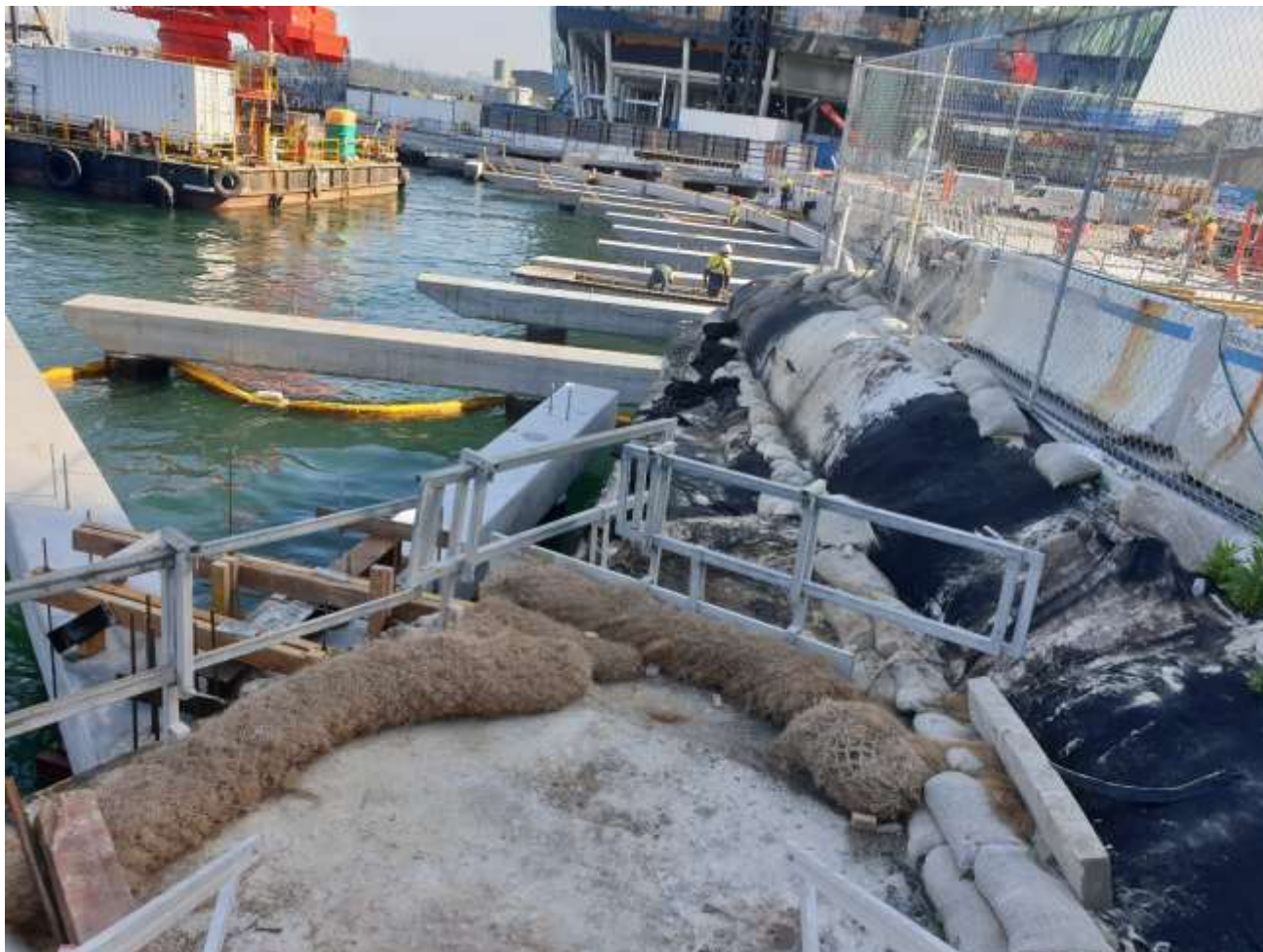


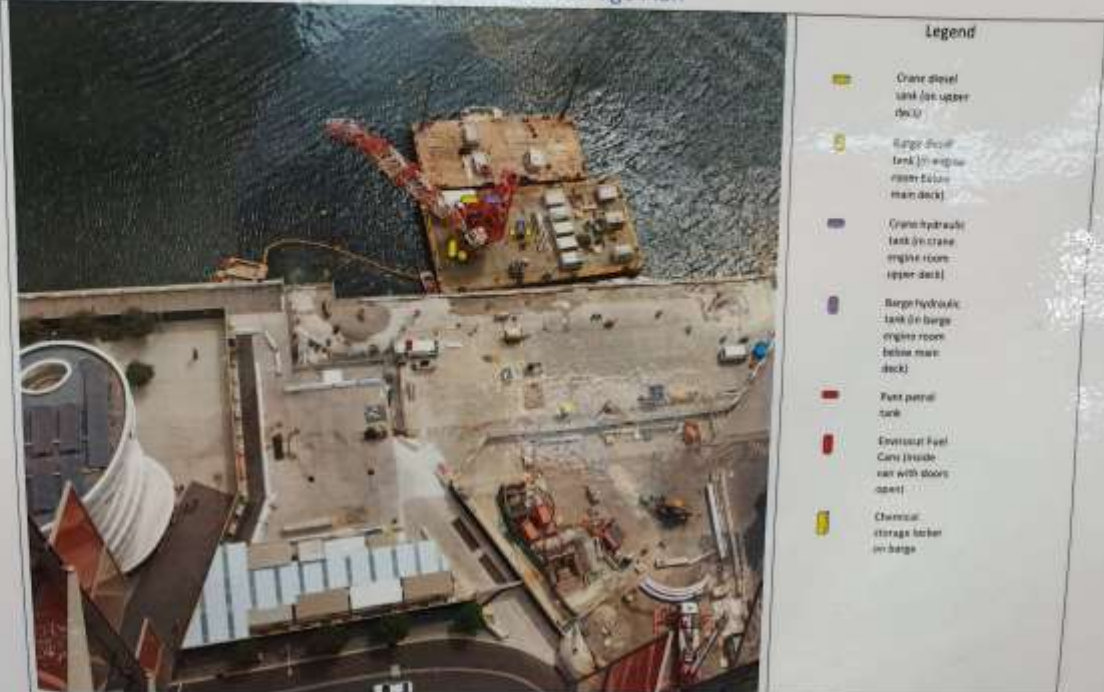
Photo 1: Coir logs on water's edge



Photo 2: Coir logs on water's edge

Independent Environmental Audit
 Waterman's Cove & Public Domain Works, Barangaroo

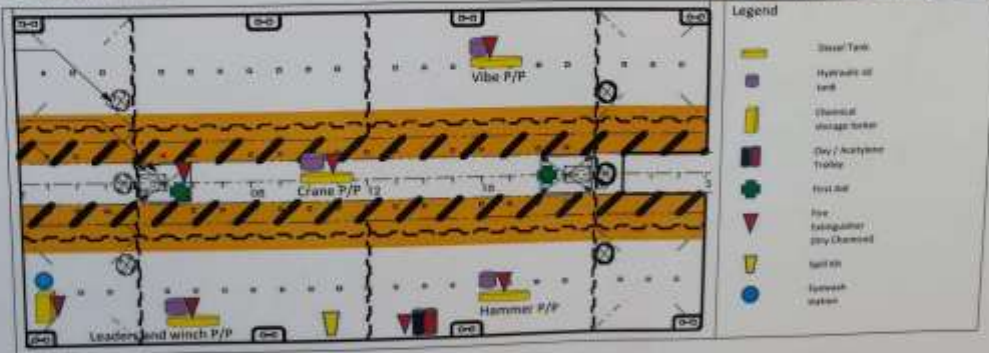
One Sydney Harbour Waterman's Cove Site Chemical Storage Plan



SMC Marine OSH Chemical Storage Site Plan, Rev 1 2/22/2018



SMC 2 Chemical Storage Plan



SMC 2 Chemical Storage Plan, Rev 1 2/22/2018

Photo 3: Chemical storage plan

Independent Environmental Audit
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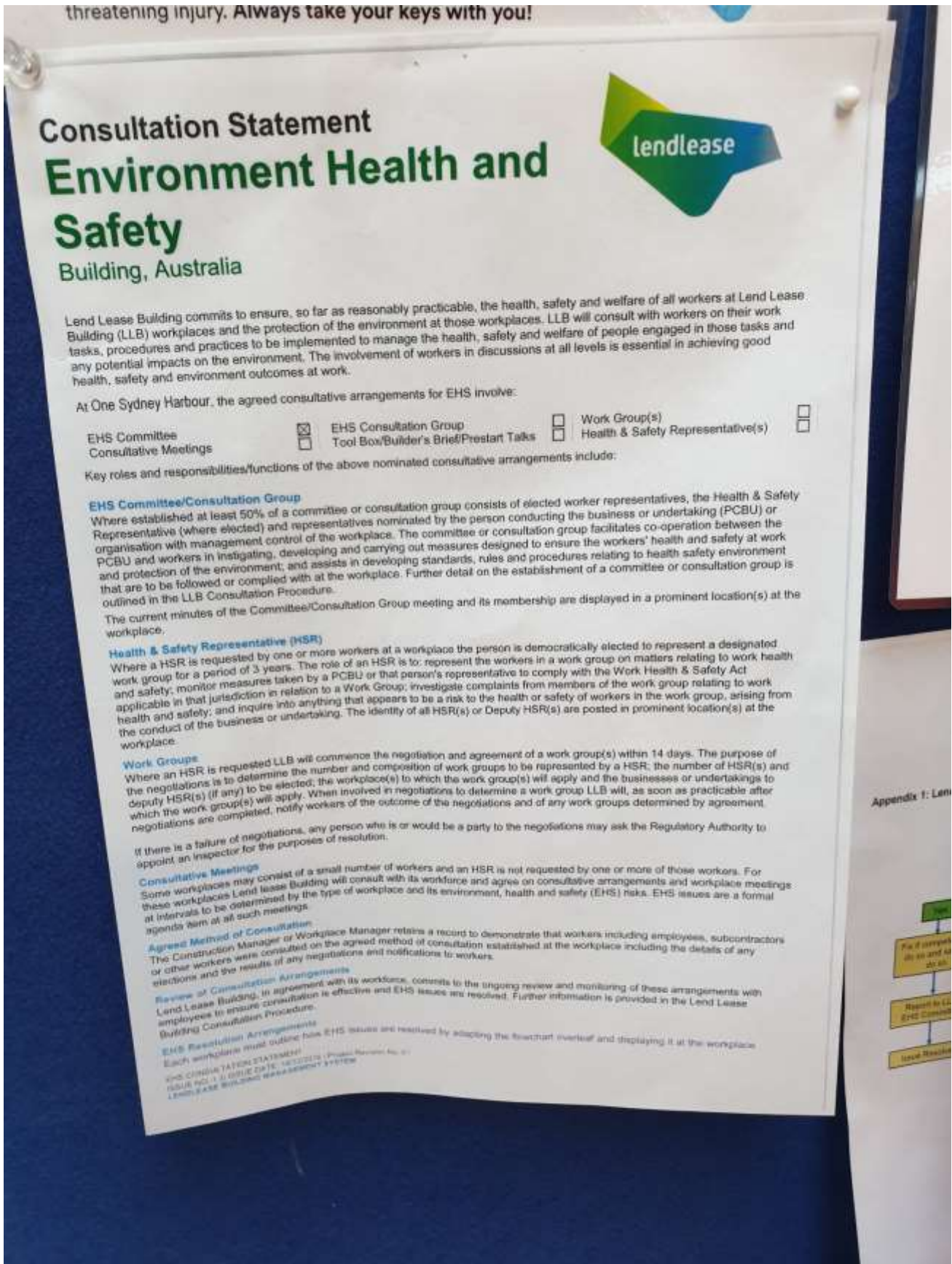


Photo 4: EHS Consultation Statement on site notice board



Photo 5: Drain protection



Photo 6: Flag required on barge for stationary position

Independent Environmental Audit
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Photo 7: Marker buoys

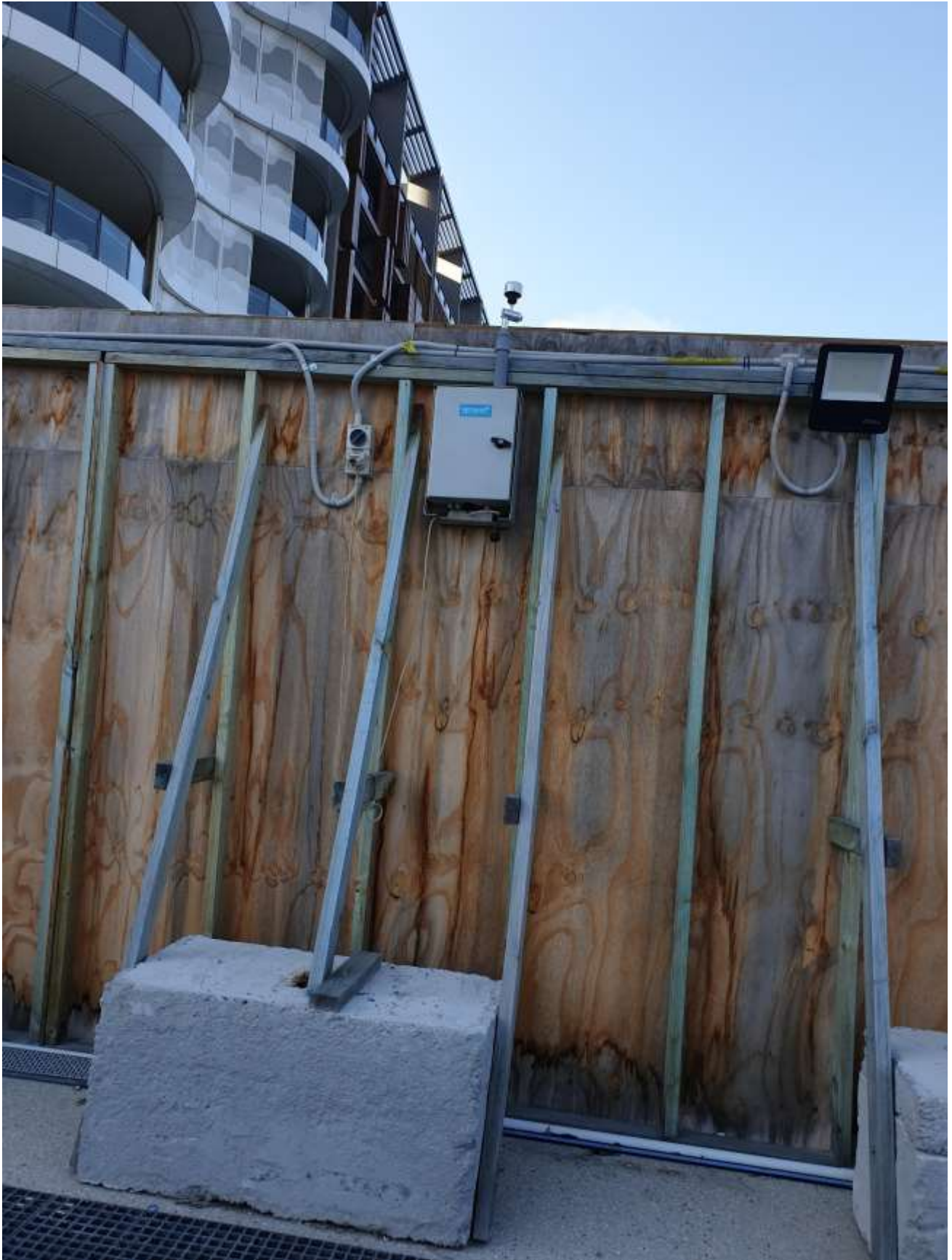


Photo 8: PM10 monitor

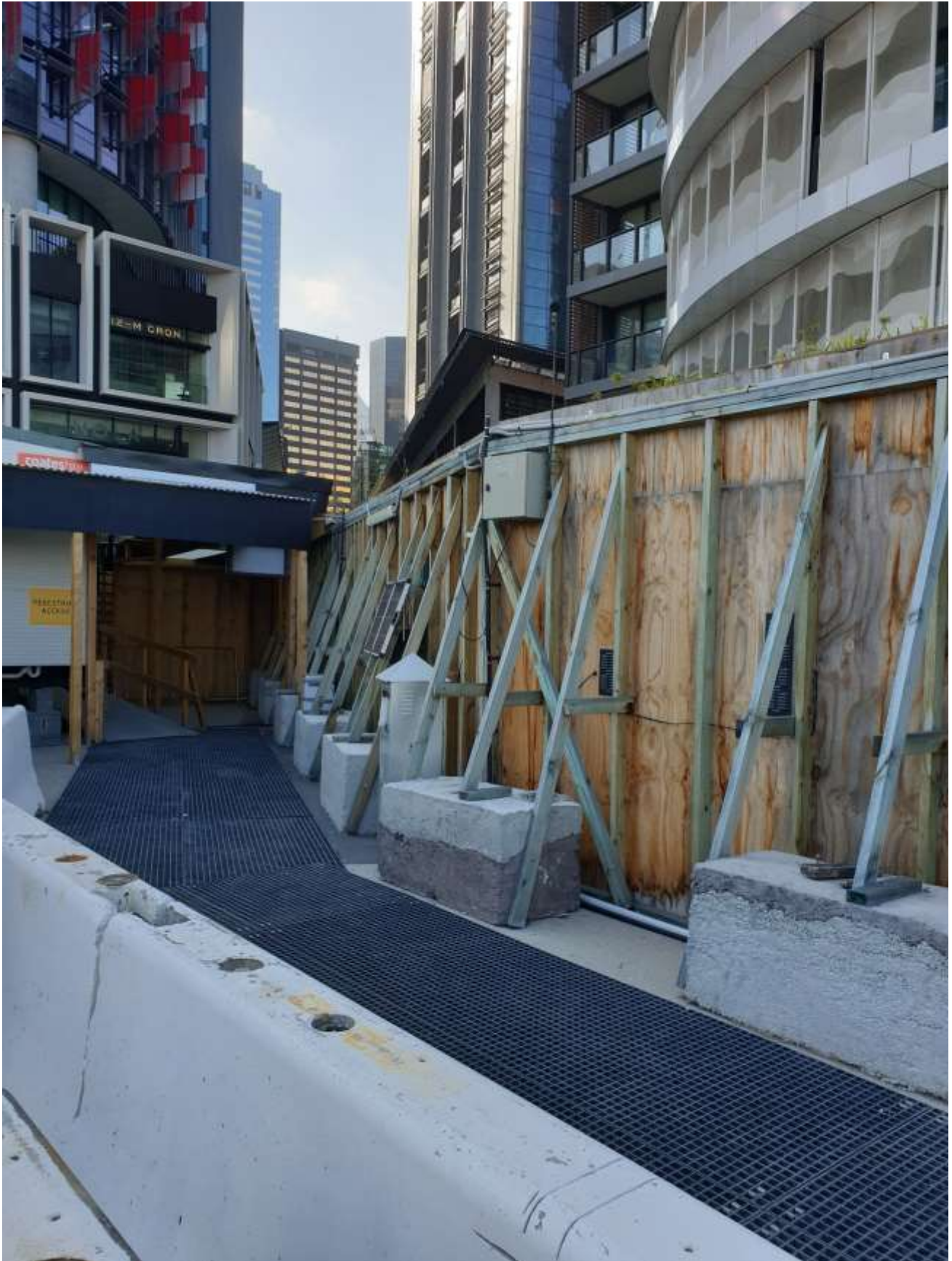


Photo 9: Noise monitor



Photo 10: Silt curtain



Photo 11: Site notice board



Photo 12: Water quality monitoring probe

Independent Environmental Audit
Waterman's Cove & Public Domain Works, Barangaroo



Photo 13: Spill kit landside



Photo 14: Spill kit on barge



Photo 15: Street sweeper Hickson Road



Photo 16: Hoarding with wayfinding information

Appendix A. SSD 7944 Conditions of Consent

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
PART A					
A1	<p>Obligation to Minimise Harm to the Environment</p> <p>In addition to meeting the specific performance measures and criteria in this consent, all reasonable and feasible measures must be implemented to prevent, and if prevention is not reasonable and feasible, minimise, any material harm to the environment that may result from the construction and operation of the development.</p>	Verified via assessment of onsite implementation of CEMP and selected Sub-Plans.	C		
A2	<p>Development Description</p> <p>Except as amended by the conditions of this consent, development consent is granted only to carrying out the development as described in Schedule 1.</p>	Noted			NT

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
A3	<p>Terms of Consent</p> <p>The development may only be carried out:</p> <p>a) in compliance with the conditions of this consent;</p> <p>b) in accordance with all written directions of the Secretary;</p> <p>c) generally, in accordance with the EIS and RTS; and</p> <p>d) in accordance with the approved plans in the table below:</p> <p>Architectural plans prepared by Grants Associates</p> <p>Drawing No. Revision Name of Plan. Date</p> <p>BAR-418-DA-SP-GA01 E Stage 1B Development Application Boundary 2/11/2017</p> <p>BAR-418-DA-SP-GA02 B Stage 1B Character Plan 20/01/2017</p> <p>BAR-418-DA-SP-GA03 D Waterman's Quay and 1B interface Plan 3/11/3017</p> <p>BAR-418-DA-SP-GA04 E Stage 1B Key Plan 3/11/2017</p> <p>BAR-418-DA-SP-GA05 G Stage 1B Master Plan 3/11/2017</p> <p>BAR-418-DA-WQ-PN01 D Waterman's Quay Master Plan 3/11/2017</p> <p>BAR-418-DA-WQ-DP01 D Waterman's Quay Detail Plan - Trees 3/11/2017</p> <p>BAR-418-DA-WQ-DP02 D Waterman's Quay Detail Plan - No Trees 3/11/2017</p> <p>BAR-418-DA-WQ-SE01 D Waterman's Quay Section A-A 3/11/2017</p> <p>BAR-418-DA-BA-PN01 D Barangaroo Avenue Masterplan 8/9/2017</p> <p>BAR-418-DA-BA-DP01 E Barangaroo Avenue North Detail Plan - Trees 3/11/2017</p> <p>BAR-418-DA-BA-DP02 E Barangaroo Avenue North Detail Plan - No Trees 3/11/2017</p> <p>BAR-418-DA-BA-DP03 C Barangaroo Avenue South Detail Plan - Trees 8/9/2017</p> <p>BAR-418-DA-BA-DP04 D Barangaroo Avenue South Detail Plan - No Trees 8/9/2017</p> <p>BAR-418-DA-BA-SE01 D Barangaroo Avenue Section A-A 26/7/2017</p> <p>BAR-418-DA-BA-SE02 D Barangaroo Avenue Section B-B 26/7/2017</p> <p>BAR-418-DA-BA-SE03 D Barangaroo Avenue Section C-C 8/11/2017</p> <p>BAR-418-DA-HP-PN01 F Hickson Park Master Plan - Trees 23/5/2018</p> <p>BAR-418-DA-HP-PN02 F Hickson Park Master Plan - No Trees 23/5/2018</p> <p>BAR-418-DA-HP-DP01 D Hickson Park East Entry Detail Plan - No Trees 8/9/2017</p> <p>BAR-418-DA-HP-DP02 F Hickson Park East Entry Detail Plan - Trees 8/9/2017</p> <p>BAR-418-DA-HP-DP02A B Hickson Park Road Bollard Strategy 3/11/2017</p>	<p>PCA Records indicate compliance with this condition.</p> <p>Construction Certificate No 19/124910-1 issued 8/01/19 by McKenzie Group for the public domain and associated works identified (CC1)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3).</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
	BAR-418-DA-HP-DP03 E Hickson Park South Entry Detail Plan - Trees 3/11/2017				
	BAR-418-DA-HP-DP04 F Hickson Park South Entry Detail Plan - No Trees 3/11/2017				
	BAR-418-DA-HP-DP05 D Hickson Park West Entry Detail Plan - Trees 3/11/2017				
	BAR-418-DA-HP-DP06 F Hickson Park West Entry Detail Plan - No Trees 3/11/2017				
	BAR-418-DA-HP-DP06A B Hickson Park Bollard Strategy 03/11/2017				
	BAR-418-DA-HP-SE01 F Hickson Park Section A-A 03/11/2017				
	BAR-418-DA-HP-SE02 D Hickson Park Section B-B 26/07/2017				
	BAR-418-DA-HP-SE03 D Hickson Park Section C-C 26/07/2017				
	BAR-418-DA-HP-SE04 D Hickson Park Section D-D 26/07/2017				
	BAR-418-DA-HP-SE05 C Hickson Park Section E-E 15/03/2017				
	BAR-418-DA-HP-SE06 E Hickson Park Section F-F 08/09/2017				
	BAR-418-DA-HP-SE07 G Hickson Park Section G-G 03/11/2017				
	BAR-418-DA-HP-SE08 C Hickson Park Section H-H 03/11/2017				
	BAR-418-DA-HP-SE09 C Hickson Park Section I-I 03/11/2017				
	BAR-418-DA-HP-SE10 C Hickson Park Section J-J 03/11/2017				
	BAR-418-DA-HP-SE11 B Hickson Park Section K-K 03/11/2017				
	BAR-418-DA-HP-SE12 B Hickson Park Section L-L 03/11/2017				
	BAR-418-DA-HP-SE13 C Hickson Park Section M-M 03/11/2017				
	BAR-418-DA-WW-PL01 E Wulguru Walk Masterplan - Trees 03/11/2017				
	BAR-418-DA-WW-PL02 E Wulguru Walk Masterplan- No Trees 03/11/2017				
	BAR-418-DA-WW-DP01 E Wulguru Walk Boardwalk Detail Plan - Trees 03/11/2017				
	BAR-418-DA-WW-DP02 G Wulugul Walk Boardwalk Detail Plan - No Trees 03/11/2017				
	BAR-418-DA-WW-DP03 C Wulugul Walk & Former Spirit of Tasmania Loading Dock Detail Plan - Trees 08/09/2017				
	BAR-418-DA-WW-DP04 E Wulugul Walk & Former Spirit of Tasmania Loading Dock Detail Plan - No Trees 08/09/2017				
	BAR-418-DA-WW-SE00 D Wulugul Walk Section Key Plan 03/11/2017				
	BAR-418-DA-WW-SE01 D Wulugul Walk Section A-A 08/09/2017				
	BAR-418-DA-WW-SE02 D Wulugul Walk Section B-B 08/09/2017				
	BAR-418-DA-WW-SE03 D Wulugul Walk Section C-C 08/09/2017				
	BAR-418-DA-WW-SE04 D Wulugul Walk Section D-D 08/09/2017				

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
	BAR-418-DA-WW-SE05 D Wulugul Walk Section E-E 08/09/2017				
	BAR-418-DA-WW-SE06 D Wulugul Walk Section F-F 08/09/2017				
	BAR-418-DA-WW-SE07 D Wulugul Walk Section G-G 08/09/2017				
	BAR-418-DA-WC-PL01 E Waterman's Cove Masterplan - Trees 03/11/2017				
	BAR-418-DA-WC-PL02 G Waterman's Cove Masterplan- No Trees 03/11/2017				
	BAR-418-DA-WC-DP01 D Waterman's Cove Raised Planter Detail Plan - Trees 03/11/2017				
	BAR-418-DA-WC-DP02 E Waterman's Cove Raised Planter Detail Plan- No Trees 03/11/2017				
	BAR-418-DA-WC-DP03 D Waterman's Cove Terraced Seating Detail Plan - Trees 08/09/2017				
	BAR-418-DA-WC-DP04 E Waterman's Cove Terraced Seating Detail Plan - No Trees 08/09/2017				
	BAR-418-DA-WC-DP05 B Waterman's Cove Bollard Strategy 03/11/2017				
	BAR-418-DA-WC-SE00 D Waterman's Cove Section Key Plan 03/11/2017				
	BAR-418-DA-WC-SE01 D Waterman's Cove Section A-A 08/09/2017				
	BAR-418-DA-WC-SE02 E Waterman's Cove Section B-B 08/09/2017				
	BAR-418-DA-WC-SE03 D Waterman's Cove Section C-C 08/09/2017				
	BAR-418-DA-WC-SE04 E Waterman's Cove Section D-D 08/09/2017				
	BAR-418-DA-WC-SE05 E Waterman's Cove Section E-E 08/09/2017				
	BAR-418-DA-WC-SE06 E Waterman's Cove Section F-F 08/09/2017				
	BAR-418-DA-WC-SE07 D Waterman's Cove Section G-G 08/09/2017				
	BAR-418-DA-TS-PN01 E Tree Strategy Plan 03/11/2017				
	BAR-418-DA-TS-TI01 C Tree Strategy - Waterman's Quay and Barangaroo Avenue 08/09/2017				
	BAR-418-DA-TS-TI02 C Tree Strategy - Hickson Park 08/09/2017				
	BAR-418-DA-TS-TI03 D Tree Strategy - Hickson Park 08/09/2017				
	BAR-418-DA-TS-TI04 D Tree Strategy - Wulugul Walk 03/11/2017				
	BAR-418-DA-TS-TI05 C Tree Strategy - Waterman's Cove 08/09/2017				
	BAR-418-DA-SS-PN01 E Shrub Strategy Plan 03/11/2017				
	BAR-418-DA-SS-SI01 C Shrub Strategy- Fern Garden 08/09/2017				
	BAR-418-DA-SS-SI02 C Shrub Strategy- Fern Garden 08/09/2017				
	BAR-418-DA-SS-SI03 D Shrub Strategy- Cove Raised Planter Garden 03/11/2017				
	BAR-418-DA-SS-SI04 C Shrub Strategy - Fig Raised Planter Garden 08/09/2017				

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
A4	<p>Secretary's Direction</p> <p>Consistent with the requirements in this consent, the Secretary may make written directions to the Applicant in relation to:</p> <p>a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this consent, including those that are required to be, and have been, approved by the Secretary; and</p> <p>b) the implementation of any actions or measures contained in any such document referred to in (a) above.</p> <p>The conditions of this consent and directions of the Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document listed in Condition A3(c) or A3(d). In the event of an inconsistency, ambiguity or conflict between any of the documents listed in Condition A3(c) and Condition A3(d), the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.</p> <p>Note : For the purposes of this condition, there will be an inconsistency between documents if it is not possible to comply with both documents, or in the case of a condition of consent or direction of the Secretary, and a document, if it is not possible to comply with both the condition or direction, and the document.</p>	No directions from the Secretary issued to date.			NT
A5	<p>Inconsistency between Documents</p> <p>The conditions of this consent and directions of the Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document listed in Condition A3(c) or A3(d). In the event of an inconsistency, ambiguity or conflict between any of the documents listed in Condition A3(c) and Condition A3(d), the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.</p> <p>Note: For the purposes of this condition, there will be an inconsistency between documents if it is not possible to comply with both documents, or in the case of a condition of consent or direction of the Secretary, and a document, if it is not possible to comply with both the condition or direction, and the document.</p>	Noted			NT
A6	<p>Development Expenses</p> <p>It is the responsibility of the Applicant to meet all expenses incurred in undertaking the development, including expenses incurred in complying with conditions imposed under this consent.</p>	Noted			NT
A7	<p>Limits on Consent</p> <p>This consent will lapse five years from the date of the consent unless the works associated with the development have physically commenced.</p>	Approval granted 11 September 2018. Works physically commenced on 9 January 2019.	C		
A8	<p>Limits on Consent</p> <p>This consent in no way implies or grants approval for the following:</p> <p>a) any community facility on the public pier;</p>	Noted			NT

CoC	Requirement	Evidence and Finding	Compliance Status		
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	b) public amenities building in Hickson Park; c) berthing of vessels at the public pier, except water taxis on the floating pontoon; d) use of the public domain for events; and e) any exclusion zones within Hickson Park				
A9	Limits of Consent Separate development application(s) must be lodged, and consent obtained from the relevant consent authority for the above works and uses (except where exempt and complying development applies).	Noted			NT
A10	Design Integrity Necessary arrangements must be implemented by the Applicant to ensure Grant Associates are engaged in the design documentation phase to ensure the integrity design quality of the approved development is maintained through the construction phase to completion of the public domain works.	Grant Associates have been engaged (PSA sighted).	C		
A11	Prescribed Conditions The Applicant shall comply with all relevant prescribed conditions of development consent under Part 6, Division 8A of the EP&A Regulation.	McKenzie Group's role as PCA is to check these requirements have been met as they are part of the Building Code	C		
A12	Long Service Levy For work costing \$25,000 or more, a Long Service Levy must be paid. For further information please contact the Long Service Payments Corporation on their Helpline 13 1441.	LSL receipt dated 26/11/18 sighted. CC2 references Long service levy receipt no. 360945 dated 26.11.2018.	C		
A13	Legal Notices Any advice or notice to the consent authority must be served on the Secretary.	No advice or notice to the consent authority known.			NT
A14	Review of Strategies, Plans and Programs Within three months of: a) the submission of a compliance report under Conditions A14 to A21 and C4; b) the submission of an incident report under Condition A21; c) the approval of any modification to the conditions of this consent, excluding modifications made under section 4.55 (1) of the <i>Environmental Planning and Assessment Act 1979</i> ; or	CCR submitted to DPIE via email dated 16/7/19 and email to DPIE advised that this review has been completed and no changes to the plans are required: <i>"After review of the strategies, plans and programs required in accordance with condition A14, the plans and programs were not</i>	C		

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	<p>d) the issue of a direction of the Secretary under Condition A2, the strategies, plans and programs required under this consent must be reviewed, and the Department must be notified in writing that a review is being carried out.</p> <p>If necessary to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised to the satisfaction of the Secretary. Where revisions are required, the revised document must be submitted to the Secretary for approval within six weeks of the review.</p> <p>Note: This is to ensure strategies, plans and programs are updated on a regular basis and to incorporate any recommended measures to improve the environmental performance of the development.</p>	<p><i>revised for environmental performance, to cater for a modification or to comply with a direction".</i></p> <p>No incidents known to have occurred since project commencement.</p> <p>NB: SSD 7944 Modification granted 1.11.2019. These modifications will be assessed for the next IEA (outside the audit period for this audit).</p> <p>No directions from the Secretary are known to have been issued.</p>			
A15	<p>Evidence of Consultation</p> <p>Where conditions of this consent require consultation with an identified party, the Applicant must:</p> <p>a) consult with the relevant party prior to submitting the subject document to the Secretary for approval; and</p> <p>b) provide details of the consultation undertaken including:</p> <p>i. a description of how matters raised by those consulted have been resolved to the satisfaction of both the Applicant and the party consulted; and</p> <p>ii. details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.</p>	<p>PCA records indicated compliance with consultation requirements in relation to necessary consultation with the PCA. Other consultation requirements and evidence are detailed further in the conditions below.</p> <p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2);</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works (CC3).</p>	C		
A16	<p>Compliance</p> <p>The Applicant must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this consent relevant to activities they carry out in respect of the development.</p>	<p>During tender phase sub-contractors are issued with relevant management plans to their works. Aconnex correspondence to SMC Marine dated 15/10/18 sighted which provided the final approval conditions.</p>	C		
A17	<p>Non-Compliance Notification</p> <p>The Department must be notified in writing to compliance@planning.nsw.gov.au within seven days after the Applicant becomes aware of any non-compliance. The PCA must also notify the Department in writing to compliance@planning.nsw.gov.au within seven days after they identify any non-compliance.</p>	<p>Lendlease reports no non-compliances were identified during the audit period.</p>			NT

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A18	<p>Written Incident Notification and Reporting Requirements</p> <p>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.</p>	Lendlease reports no non-compliances were identified during the audit period.			NT
A19	<p>Incident Notification, Reporting and Response</p> <p>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.</p> <p>Subsequent notification must be given and reports submitted in accordance with the requirements set out in Condition A19 and Condition A20.</p>	No incidents are known to have occurred during the audit period.			NT
A20	<p>Written Incident Notification and Reporting Requirements</p> <p>A written incident notification addressing the requirements set out below must be emailed to the Department at the following address: compliance@planning.nsw.gov.au within seven days after the Applicant becomes aware of an incident. Notification is required to be given under this condition even if the Applicant forms the view that an incident has not occurred.</p>	No incidents are known to have occurred during the audit period.			NT
A21	<p>Written Incident Notification Requirements</p> <p>Written notification of an incident must:</p> <ol style="list-style-type: none"> identify the development and application number; provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident); identify how the incident was detected; identify when the applicant became aware of the incident; identify any actual or potential non-compliance with conditions of consent; describe what immediate steps were taken in relation to the incident; identify further action that will be taken in relation to the incident; and identify a project contact for further communication regarding the incident. 	No incidents are known to have occurred during the audit period.			NT

CoC	Requirement	Evidence and Finding	Compliance Status		
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A22	<p>Incident Report Requirements</p> <p>Within 30 days of the date on which the incident occurred or as otherwise agreed to by the Secretary, the Applicant must provide the Secretary and any relevant public authorities (as determined by the Secretary) with a detailed report on the incident addressing all requirements below, and such further reports as may be requested. The Incident Report must include:</p> <p>a) a summary of the incident;</p> <p>b) outcomes of an incident investigation, including identification of the cause of the incident;</p> <p>c) details of the corrective and preventative actions that have been, or will be, implemented to address the incident and prevent recurrence; and</p> <p>d) details of any communication with other stakeholders regarding the incident.</p>	No incidents are known to have occurred during the audit period.			NT
A23	<p>Monitoring and Environmental Audits</p> <p>Any condition of this consent that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 2B of Part 6 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non- compliance notification and independent environmental auditing.</p> <p>Note: For the purposes of this condition, 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.</p>	Noted			NT
A24	<p>Applicability of Guidelines</p> <p>References in the conditions of this consent to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, Standards or policies in the form they are in as at the date of this consent.</p> <p>However, consistent with the conditions of this consent and without altering any limits or criteria in this consent, the Secretary may, when issuing directions under this consent in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.</p>	Noted			NT
PART B - PRIOR TO ISSUE OF CONSTRUCTION CERTIFICATE					
B1	<p>No works Prior to Construction Certificate</p> <p>Works must not commence until a Construction Certificate in respect of the work has been issued and submitted to the Secretary</p>	Construction Certificate No 19/124910-1 issued on 8/1/19 by McKenzie Group for the public domain and associated works identified in the certificate (CC1);	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
		<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2);</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works (CC3).</p> <p>McKenzie Group Transmittal to DPIE dated 13 August 2019 confirms submission to the Secretary</p>			
B2	<p>Building Code of Australia (BCA) Compliance</p> <p>The proposed works must comply with the applicable performance requirements of the BCA to achieve and maintain acceptable standards of structural sufficiency, safety (including fire safety), health and amenity for the ongoing benefit of the community. Compliance with the performance requirements can only be achieved by:</p> <p>a) complying with the deemed to satisfy provisions; or</p> <p>b) formulating an alternative solution which:</p> <p> i) complies with the performance requirements; or</p> <p> ii) is shown to be at least equivalent to the deemed to satisfy provision; or</p> <p> iii) a combination of a) and b).</p>	<p>Evidence sighted in PCA Construction Certificates No 19/124910-1 (CC1), No 19/124910-2 (CC2) & No 19/124910-2 (CC3).</p>	C		
B3	<p>Structural Details</p> <p>Prior to the commencement of the relevant works, the Applicant shall submit to the satisfaction of the Certifying Authority structural drawings prepared and signed by a suitably qualified practising Structural Engineer that demonstrates compliance with:</p> <p>a) the relevant clauses of the BCA; and</p> <p>b) the development consent</p>	<p>Evidence sighted in PCA Construction Certificates No 19/124910-1 (CC1), No 19/124910-2 (CC2) & No 19/124910-2 (CC3).</p>	C		
B4	<p>Schedule of Materials</p> <p>Prior to the issue of the relevant Construction Certificate a list of the final schedule of materials shall be submitted to the Secretary. The Applicant shall also submit a copy of the schedule of materials to the Certifying Authority with the application for the relevant Construction Certificate.</p>	<p>Evidence sighted in PCA Construction Certificate No 19/124910-3 (CC3).</p> <p>CC3 references: Letter regarding Condition B4, Schedule of Materials prepared by Lendlease dated 9 September 2019</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
B5	<p>Soil depth for Fig Tree- Waterman's Cove</p> <p>The depth of soil for the Fig Tree (<i>Ficus microcarpa var. hillii</i>) proposed at Waterman's Cove shall be increased to a minimum of 1,500 mm deep. Documentation demonstrating compliance with these requirements is to be submitted to the satisfaction of the Certifying Authority prior to the issue of the relevant Construction Certificate.</p>	Requirement sighted in CC1 during April 2019 audit. Tree will be planted at a later stage of the works	C		
B6	<p>Construction Remediation Staging Plan</p> <p>Prior to the issue of any Construction Certificate, a Construction Remediation Staging Plan which has been reviewed and endorsed by an EPA-accredited site auditor and submitted to the satisfaction of the Certifying Authority.</p> <p>The Plan must outline how construction works will be managed/staged to ensure that where the site (or a part of the site) is contaminated in such a way that it requires remediation, the risk of construction/excavation (non-remediation) works inadvertently disturbing contaminated material in is minimised as far as reasonably practicable.</p>	<p>Evidence sighted in PCA Construction Certificates No 19/124910-1 (CC1) and No 19/124910-2 (CC2). CC1 references letter prepared by Ramboll Australia Pty Ltd, dated 2 November 2018.</p> <p>CC2 references additional letter prepared by Ramboll, dated 7 June 2019.</p>	C		
B7	<p>Additional Soil Sampling and Analysis</p> <p>Prior to the issue of the relevant Construction Certificate, the Applicant must undertake additional sampling and analysis of potentially contaminated unsaturated soils on the site consistent with recommendations of the SEPP 55 Contamination Assessment (dated 20 September 2017) prepared by AECOM in Appendix D of the RTS.</p>	Sighted in CC1 during April 2019 audit.	C		
B8	<p>Additional Soil Sampling and Analysis</p> <p>Prior to the issue of the relevant Construction Certificate, the sampling and analysis program required under Condition B7 must be endorsed by an EPA-accredited site auditor, submitted to the EPA for review and submitted to the satisfaction of the Certifying Authority. Where the EPA-accredited site auditor determines remediation is required based on analysis of the soil samples, remediation works must be undertaken in accordance with the requirements of Condition D7 of this consent.</p>	<p>Sighted in CC1 during April 2019 audit. CC1 references email correspondence regarding Conditions B8, 9, 10, 11 & 17 prepared by Lendlease, dated 5 Nov 2018.</p> <p>The ongoing requirements of this condition are subject to certification by the PCA</p>	C		
B9	<p>Unexpected Finds Protocol</p> <p>Prior to the issue of any Construction Certificate, an Unexpected Finds Protocol which has been reviewed and endorsed by an EPA-accredited site auditor shall be submitted to the EPA for review and submitted to the satisfaction of the Certifying Authority. The protocol must outline contingency measures and the procedures to be followed in the event unexpected finds of contaminated material are encountered during works.</p>	Sighted in CC1 during April 2019 audit. CC1 references email correspondence regarding Conditions B8, 9, 10, 11 & 17 prepared by Lendlease, dated 5 Nov 2018. Unexpected Finds Protocol is in Appendix I of the ONE SYDNEY HARBOUR – REMEDIATION MANAGEMENT PLAN – SPOIL & WASTE 27/11/2018 Revision No: 6	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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B10	<p>Access for People with Disabilities</p> <p>Access and facilities for people with disabilities must be designed in accordance with the BCA. Prior to the issue of the relevant Construction Certificate, a certificate certifying compliance with this condition from an appropriately qualified person must be provided to the Certifying Authority.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2).</p> <p>For Balance of Works Stage, CC3 states a final compliance statement from an accredited access consultant is required to confirm the design complies with Condition B10.</p> <p>Ongoing compliance with this condition is subject to PCA review and issue of future CC</p>			NT
B11	<p>Sydney Water Notice of Requirements</p> <p>An application shall be made to Sydney Water for a Certificate under Part 6, Division 9, section 73 of the <i>Sydney Water Act 1994</i> (Compliance Certificate) prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-1 issued 8/01/18 by McKenzie Group for the public domain and associated works identified (CC1).</p> <p>CC1 references Compliance Certificate Section 73 prepared by Sydney Water, dated 12 December 2018.</p>	C		
B12	<p>Sydney Water Assets</p> <p>Building plans must be stamped and approved by Sydney Water prior to the issue of a Crown Building Works Certificate due to the proximity of works to Sydney Water assets. For further assistance, please visit www.sydnevwater.com.au or telephone 13 20 92.</p>	<p>Construction Certificate No 19/124910-1 issued 8/01/18 by McKenzie Group for the public domain and associated works identified (CC1);</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2).</p>	C		
B13	<p>Crime Prevention Through Environmental Design</p> <p>To minimise the opportunity for crime in accordance with CPTED principles, the recommendations provided in Section 6 of the CPTED Report (dated 7 December 2017) prepared by JBA Urban Planning Consultants in Appendix H of the RTS, shall be incorporated into the detailed design of the development. Details demonstrating compliance with this condition are to be submitted to the Certifying Authority prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-3 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works (CC3).</p> <p>Compliance subject to review by PCA and issuing of future CCs as required.</p>	C		
B14	<p>Ecologically Sustainable Development</p> <p>The development must incorporate all design, construction and operation measures identified in Section 3 of the Sustainability Report (dated 24 January 2017) prepared by Lend Lease in Appendix T of the EIS. Details demonstrating compliance with this condition are to be submitted to the Certifying Authority prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2).</p> <p>CC2 references Letter regarding DA Condition B14 – Ecologically Sustainable Development prepared by Lendlease dated 3 July 2019. CC2 also references letter regarding Condition B15</p>	C		

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		prepared by Haskoning Australia dated 19 July 2019.			
B15	<p>Navigation and Safety</p> <p>The detailed design of the development must incorporate all relevant recommendations identified in:</p> <ul style="list-style-type: none"> • Section 8 of the Navigation Impact Assessment (dated 24 January 2017) prepared by Royal Haskoning DHV in Appendix K of the EIS; • the Navigation Impact Assessment letter (dated 23 August 2017) prepared by Royal Haskoning DHV in Appendix F of the RTS, including the requirement for a port hand lateral mark that is lit at night at the western edge of the public pier; and • RMS's submission on the development via email dated 16 June 2017. <p>Details demonstrating compliance with this condition are to be submitted to the Certifying Authority and the Secretary prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2).</p> <p>CC2 references letter regarding Navigation and Safety Response to Submission prepared by Haskoning, dated 23 August 2017. CC2 also references letter regarding Condition B15 prepared by Haskoning Australia dated 19 July 2019.</p> <p>CC2 also referenced the Navigation Impact Assessment, Rev02 prepared by Haskoning Australia dated 24 January 2017.</p>	C		
B16	<p>Navigation and Safety</p> <p>The public pier structure must be constructed at a sufficient distance from the Barangaroo Ferry Hub to allow the safe manoeuvring of ferries. The Applicant must obtain approval from the relevant maritime authority in this regard. Details demonstrating compliance with this condition are to be submitted to the Certifying Authority and the Secretary prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-1 issued 8/01/18 by McKenzie Group for the public domain and associated works identified (CC1).</p> <p>CC1 references email correspondence regarding One Sydney Harbour Waterfront structures prepared by Harbour City Ferries, dated 9 October 2018.</p>	C		
B17	<p>Bicycle Parking</p> <p>A minimum of 100 bicycle parking spaces are to be provided for the development throughout the public domain. Details confirming the parking numbers must be submitted to the Certifying Authority prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-3 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works (CC3).</p> <p>CC3 references: Letter regarding Condition B17, Construction certificate Requirements prepared by Lendlease dated 11 July 2019.</p> <p>CC3 referenced Plans for Condition B17, Furniture & Feature Plan prepared by Grant Associates.</p>	C		
B18	<p>Storage and Handling of Waste</p> <p>The design and management of facilities for the storage and handling of operational waste must comply with the requirements of City of Sydney Policy for Waste Minimisation in New Developments 2005. Details are to be submitted to the Certifying Authority prior to the issue of a Construction Certificate.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2).</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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		CC2 references letter regarding DA Condition B18 – Waste Bins prepared by Lendlease, dated 16 May 2019.			
B19	<p>Footpath Damage Bank Guarantee</p> <p>If not already obtained, a Footpath Damage Bank Guarantee to cover all footpaths which may be affected by the development must be lodged with the relevant road authority. The Footpath Damage Bank Guarantee must be submitted in favour of the relevant road authority as security for repairing any damage to the public domain in the vicinity of the site. The guarantee must be lodged with the relevant road authority prior to issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-1 issued 8/01/18 by McKenzie Group for the public domain and associated works identified (CC1).</p> <p>CC1 references email correspondence regarding Footpath Damage Bank Guarantee Payment prepared by Lendlease, dated 22 December 2018.</p>	C		
B20	<p>Paving Materials</p> <p>The surface of any material used or proposed to be used for the paving of footways, thoroughfares, plazas and the like which are used by the public must comply with AS/NZS 4586:2004 (including amendments) 'Slip resistance classification of new pedestrian surface materials. Details demonstrating compliance with the above requirements must be submitted to the satisfaction of the Certifying Authority prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-3 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works (CC3).</p>	C		
B21	<p>Paving Materials</p> <p>Paving finishes must comply with AS 1428.1-2009 'Design for access and mobility General requirements for access - New building work'. Details demonstrating compliance with the above requirements must be submitted to the satisfaction of the Certifying Authority prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-3 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works (CC3).</p>	C		
B22	<p>Paving Materials</p> <p>The applicant shall replace all 'precast unit paver material with either granite or stone pavers. The condition applies only to those areas annotated as 'precast-unit paver' associated with the architectural drawings for 'Wulugul Walk', 'Waterman's Cove' and for the western side of Barangaroo Avenue.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2).</p> <p>CC2 references Letter regarding DA Condition B22 – Revised Granite Paving prepared by Lendlease dated 16 May 2019.</p>	C		
B23	<p>Transitional paving</p> <p>Popohry paving is to be used within Hickson Park rather than the proposed 'city and park transition paving' as marked in the Architectural Drawings. Details demonstrating compliance with the above requirement must be submitted to the satisfaction of the Certifying Authority and Secretary prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>For Balance of Works Stage, CC3 requests further information is required to demonstrate compliance with Condition B23.</p>			NT

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
B24	<p>Car Parking Design</p> <p>The design of car parking associated with the proposal (including queuing areas, grades, turn paths, sight distance requirements, aisle widths, lighting and parking bays) shall be in accordance with AS 2890.1-2004 Parking Facilities Part 1: Off-street Car Parking, AS 2890.6-2009 Parking Facilities Part 6: Off-street Parking for People with Disabilities for accessible spaces and AS 2890.2-2002 Parking Facilities Part 2: Off-street Commercial Vehicle Facilities.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p>	C		
B25	<p>Design for Service Vehicles</p> <p>B23 The swept path of the longest vehicle (including garbage trucks) entering and exiting the site, as well as manoeuvrability through the site, shall be in accordance with AUSTROADS.</p> <p>The design, layout, signage, line making, lighting and physical controls for all service vehicles shall be in accordance with AS 2890.2-2002 Parking Facilities Part 2: Off-street Commercial Vehicle Facilities.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p>	C		
B26	<p>Driveway Crossovers</p> <p>All driveway crossovers, including those for service vehicles, must be designed in accordance with all relevant Australian Standards, the BCA and AUSTROADS guidelines and RMS Technical Directions (2013/05). All crossovers should be designed to give pedestrians priority and with no grade change for pedestrians. Details demonstrating compliance with the above requirements must be submitted to the satisfaction of the Certifying Authority and Road Authority prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p>	C		
B27	<p>Road, Intersection and Footpath Design- Waterman's Quay and Barangaroo Avenue</p> <p>Detailed design and construction documentation of all roads, intersections and footpaths must be prepared by suitably qualified practising professional Civil Engineer in consultation with the relevant roads' authority, TNSW and the RMS. The documentation is to be submitted to and approved by the relevant road authority prior to the relevant Construction Certificate being issued. Documentation shall include but not be limited to the following:</p> <p>a) general plan and typical cross sections showing road, lane arrangements, footpath widths and alignment levels, pavement configuration, batter slopes, retaining walls, kerb and gutter details;</p> <p>b) the design of any intersections, details of traffic control measures to be installed including traffic signals and details of timing/phasing of installation;</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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	<p>c) demonstration the design of roads and intersections adopt the recommendations of a Stage 3 (Detailed Design) Road Safety Audit prepared in accordance with Austroads Guide to Road Safety Part 6: Road Safety Audit;</p> <p>d) design of pavement structure, including types of materials and layer thickness, kerb and gutter details;</p> <p>e) details of how road widths and footpaths for Waterman's Quay and Barangaroo Avenue and how it would integrate with the configuration of existing sections of road;</p> <p>f) detailed design documentation of how the road pavement and footpaths match into the existing public domain; and</p> <p>g) stormwater drainage works plan, schedule of drainage elements including pipes and pits, drainage profiles and longitudinal sections.</p> <p>The design of roads and intersections including traffic control measures (e.g. signals) shall meet the relevant requirements/design specifications of TNSW and RMS.</p> <p>The works are to be completed in accordance with the approved plan/s. All documentation is to be provided to the Secretary.</p>				
B28	<p>Trees and Vegetation - Barangaroo Avenue and Waterman's Quay</p> <p>The Applicant shall ensure vegetation/trees along Barangaroo Avenue and Waterman's Quay are selected to minimise potential road safety (e.g. sight distance requirements) and usability (particularly for pedestrians) impacts and to comply with the relevant road safety guidelines and Australian Standards. Details demonstrating compliance with the above requirements must be submitted to the satisfaction of the Certifying Authority and Road Authority prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works (CC3).</p> <p>CC3 references: Email correspondence regarding satisfaction of Condition B28 prepared by Barangaroo Delivery Authority dated 10 July 2019; and Email correspondence regarding Response to Condition B28 prepared by Lendlease dated 28 June 2019</p> <p>CC3 references Letter regarding trees and vegetation, Condition B28 prepared by Grant Associates dated 21 June 2019</p>	C		
B29	<p>Temporary Tree Planting</p> <p>The Applicant shall plant/install trees in the north-western edge of Hickson Park and Barangaroo Central to mitigate wind impacts (equivalent to mitigation provided by future street tree planting northwards along Barangaroo Avenue) for the short to medium term until construction of the northward extension of</p>	<p>For Balance of Works Stage, CC3 states approval from the Secretary in writing is required to confirm compliance with this condition.</p>			NT

CoC	Requirement	Evidence and Finding	Compliance Status		
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	Barangaroo Avenue. The canopies of temporary tree species must be of a sufficient height to provide view corridors from Hickson Road through to Sydney Harbour. Details demonstrating compliance with this condition must be submitted to, and approved in writing by, the Secretary prior to the issue of the relevant construction certificate.				
B30	<p>Marine Structures and Ecology</p> <p>B27 The detailed design of marine structures (public pier, waterfront promenades, sea walls etc) must incorporate all relevant recommendations identified in the Seawalls and Over-Water Structures Impact Assessment (dated 24 January 2017) prepared by Royal Haskoning DHV in Appendix Q of the EIS and the Marine Ecology Impact Assessment (dated 7 November 2017) prepared by Royal Haskoning DHV in Appendix S of the RTS. Details demonstrating compliance with the above requirements must be submitted to the satisfaction of the Certifying Authority prior to the issue of the relevant Construction Certificate and submitted to the Secretary.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2). CC2 references Letter regarding DA Condition B30 – Wayfinding Signage Strategy prepared by Lendlease dated 16 May 2019.</p> <p>For Balance of Works Stage, CC3 states that a Wayfinding and Signage Strategy that demonstrates compliance with Condition B30 is required to demonstrate compliance with this condition.</p>			NT
B31	<p>Marine Structures and Ecology</p> <p>Prior to the issue of the relevant Construction Certificate, the Applicant must consult with the Sydney Institute for Marine Science (SIMS) and DPI and seek advice regarding the detailed design of marine structures (public pier, waterfront promenades, sea walls etc) to ensure:</p> <p>a) natural and/or eco-friendly building materials are used in intertidal and subtidal areas; and</p> <p>b) the marine structures incorporate specific design features which result in an overall positive effect on marine biodiversity.</p> <p>Details demonstrating compliance with the above requirements must be submitted to the satisfaction of the Certifying Authority prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-1 issued 8/01/18 by McKenzie Group for the public domain and associated works identified (CC1).</p> <p>CC1 references advice regarding CoA B31 for Southern Cove prepared by DPI Fisheries, dated 13 November 2018.</p> <p>CC1 also references a number of emails regarding pier and cove works, dated 23 November 2018.</p> <p>This condition is subject to certification by the PCA</p>	C		
B32	<p>Harbour Master Approval</p> <p>Prior to any seabed disturbance, the Applicant shall obtain a Harbour Master approval under Clause 67ZN of the <i>Ports and Maritime Administration Regulation 2012</i>. Details demonstrating compliance with the above requirements must be submitted to the satisfaction of the Certifying Authority prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p> <p>This condition is subject to certification by the PCA</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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B33	<p>Wayfinding Signage Strategy</p> <p>Prior to the issue of the relevant Construction Certificate, the Applicant shall prepare a Wayfinding and Signage Strategy in consultation with Council, RMS, TNSW and the BDA.</p> <p>The Plan shall include (but not be limited to):</p> <ul style="list-style-type: none"> c) the final dimensions, materials and location of each sign; d) details of how any illuminated signage would be designed and installed to comply with AS4282-1997 Control of Obtrusive Effects of Outdoor Lighting, - e) details of how the wayfinding signage forms part of a cohesive and coordinated strategy for provision of wayfinding throughout the Barangaroo site; and f) details of how issues raised by Council, TNSW and the BDA have been addressed in the strategy. <p>The Wayfinding and Signage Strategy must be submitted for the approval of the PCA prior to the issue of the relevant Construction Certificate.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2). CC2 references Letter regarding DA Condition B30 – Wayfinding Signage Strategy prepared by Lendlease dated 16 May 2019.</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p>	C		
B34	<p>Outdoor Lighting</p> <p>All outdoor lighting shall comply with, where relevant, AS 1158.3.1-2005 Pedestrian Area (Category P) Lighting and AS 4282: 1997 Control of the Obtrusive Effects of Outdoor Lighting. Details demonstrating compliance with these requirements are to be submitted to the Certifying Authority prior to the commencement of works.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p>	C		
B35	<p>Lighting Plan</p> <p>Prior to the issue of the relevant Construction Certificate, the Applicant shall prepare a Lighting Plan in consultation with Council, RMS, TNSW and the Sydney Observatory. The Plan shall include (but not be limited to):</p> <ul style="list-style-type: none"> a) the final location, dimensions and types of all lights proposed in the public domain; b) details of how all lighting would be designed and installed to comply with, where relevant, AS/NZ1158.3: 1999 Pedestrian Area (Category P) Lighting and AS4282: 1997 Control of the Obtrusive Effects of Outdoor Lighting; c) measures to ensure lighting not adversely affect the safe navigation of vessels within the navigable waters of Darling Harbour or the Sydney Observatory; d) provision of adequate lighting throughout Hickson Park to ensure safety at night; e) details of how issues raised by Council, RMS, TNSW and the Sydney Observatory have been addressed in the final Plan; and 	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p> <p>CC3 references Design Certificate for Lighting prepared by Aurecon dated 10 July 2019.</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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	f) mitigation measures to minimise any adverse lighting impacts to neighbouring properties. The Lighting Plan must be submitted for the approval of the Certifying Authority prior to the issue of the relevant Construction Certificate.				
B36	Emergency Services Prior to the issue of a Construction Certificate, the Applicant is to liaise with all relevant emergency service providers (e.g. Fire and Rescue NSW and NSW Health) to ensure the public domain can be suitably accessed by emergency services. Evidence of compliance with this condition must be submitted to the satisfaction of the Certifying Authority.	Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2) AND Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3) CC3 references Letter regarding Condition of Consent B36, Accessibility for Emergency Vehicles prepared by NSW Fire & Rescue dated 30 May 2019	C		
B37	Pre-Construction Dilapidation Report The Applicant is to engage a suitably qualified professional(s) to prepare a Pre-Construction Dilapidation Report detailing the current structural condition of all retained existing and adjoining buildings, infrastructure and roads within the 'zone of influence'. The report must be submitted to the Certifying Authority prior to issue of the Construction Certificate or any works commencing whichever is earlier. A copy of the report must be forwarded to the affected landowners. The Pre-Construction Dilapidation Report must also include a photographic recording of the public domain site frontages and must be prepared to the satisfaction of the Certifying Authority. The recording must include clear images of the footpath, nature strip, kerb and gutter, driveway crossovers and laybacks, kerb ramps, road carriageway, street trees and plantings, parking restriction and traffic signs, and all other existing infrastructure along the street. The form of the recording is to be as follows: a) a PDF format report containing all images at a scale that clearly demonstrates the existing site conditions; b) each image is to be labelled to identify the elements depicted, the direction that the image is viewed towards, and include the name of the relevant street frontage; c) each image is to be numbered and cross referenced to a site location plan; d) a summary report, prepared by a suitable qualified professional, must be submitted in conjunction with the images detailing the project description, identifying any apparent existing defects, detailing the date and authorship of the photographic record, the method of documentation and limitations of the photographic record.	Sighted in CC1 during April 2019 audit.	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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PART C					
C1	<p>Notification of Commencement</p> <p>The Department must be notified in writing of the dates of commencement of physical work at least 48 hours before those dates.</p> <p>If the construction of the development is to be staged, the Department must be notified in writing at least 48 hours before the commencement of each stage, of the date of commencement and the development to be carried out in that stage.</p>	<p>Email to DPE from Lendlease Environment Manager dated 18/12/18 advising of commencement on 7/1/19 sighted</p>	C		
C2	<p>Community Communication Strategy</p> <p>A Community Communication Strategy must be prepared to provide mechanisms to facilitate communication between the Applicant, City of Sydney Council and the community (including adjoining affected landowners and businesses, and others directly impacted by the development), during the design and construction of the development and for a minimum of 12 months following completion of construction:</p> <p>The Community Communication Strategy must:</p> <ul style="list-style-type: none"> a) identify people to be consulted during the design and construction phases; b) set out procedures and mechanisms for the regular distribution of accessible information about or relevant to the development; c) provide for the formation of community-based forums, if required, that focus on key environmental management issues for the development; d) set out procedures and mechanisms: <ul style="list-style-type: none"> (i) through which the community can discuss or provide feedback to the Applicant; (ii) through which the Applicant will respond to enquiries or feedback from the community; and (iii) to resolve any issues and mediate any disputes that may arise in relation to construction and operation of the development, including disputes regarding rectification or compensation. <p>The Community Communication Strategy must be submitted to the Secretary for approval no later than one month before the commencement of any work.</p> <p>Work for the purposes of the development must not commence until the Community Communications Strategy has been approved by the Secretary, or within another timeframe agreed with the Secretary.</p> <p>The Community Communication Strategy, as approved by the Secretary, must be implemented for a minimum of 12 months following the completion of construction.</p>	<p>CCS Revision 03 dated 1/11/18 sighted</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
C3	<p>Compliance</p> <p>The Applicant must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this consent relevant to activities they carry out in respect of the development.</p>	<p>See Condition A16.</p> <p>During tender phase sub-contractors are issued with relevant management plans to their works. Aconex correspondence to SMC Marine dated 15/10/18 sighted which provided the final approval conditions.</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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C4	<p>Compliance Reporting</p> <p>A Pre-Construction Compliance Report must be prepared for the development and submitted to the Certifying Authority for approval before the commencement of construction. A copy of the endorsed compliance report must be provided to the Department at compliance@planning.nsw.gov.au before the commencement of construction.</p> <p>The Pre-Construction Compliance Report must include:</p> <p>a) details of how the terms of this consent that must be addressed before the commencement of construction have been complied with; and</p> <p>b) the expected commencement date for construction.</p> <p>Construction Compliance Reports must be submitted to the Department at compliance@planning.nsw.gov.au for information every six months from the date of the commencement of construction, for the duration of construction. The Construction Compliance Reports must provide details on the compliance performance of the development for the preceding six months and must be submitted within one month following the end of each six-month period for the duration of construction of the development, or such other timeframe as required by the Secretary.</p> <p>The Construction Compliance Reports must include:</p> <p>a) a results summary and analysis of environmental monitoring;</p> <p>b) 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;</p> <p>c) details of any review of the CEMP and the Environmental Management Strategy and associated sub-plans as a result of construction carried out during the reporting period;</p> <p>d) a register of any modifications undertaken and their status;</p> <p>e) results of any independent environmental audits and details of any actions taken in response to the recommendations of an audit;</p> <p>f) a summary of all incidents notified in accordance with this consent; and</p> <p>g) any other matter relating to compliance with the terms of this consent or requested by the Secretary.</p>	<p>Email from Lendlease Site Engineer to DPIE, dated 16.7.2019. Submission of Construction Compliance Report 1 (CCR). Also comprises a review of plans under Condition A14.</p> <p>Email from DPIE to LL, dated 10.9.2019 requests additional information to be included in the CCR, e.g. C4(a)(i) environmental monitoring details; (ii) environmental management plan details; C4(c)(i) specific CEMP references. Updated requested by 16.9.2019.</p> <p>Email from LL to DPIE, dated 13.9.2019 – submission of Revision 2 of the CCR as requested.</p> <p>Submission required every 6 months from the date of commencement, within one month following the end of each 6-month period. Commencement date 9.1.2019, therefore first compliance report due by 9.8.2019 which was met in email of 16.7.2019.</p>	C		
C5	<p>Complaints and Enquiries Procedure</p> <p>Prior to the commencement of construction works, or as otherwise agreed by the Secretary, the following must be made available for community enquiries and complaints for the duration of construction:</p> <p>a) a toll-free 24-hour telephone number(s) on which complaints and enquiries about the carrying out of any works may be registered;</p> <p>b) a postal address to which written complaints and enquiries may be sent; and</p> <p>c) an email address to which electronic complaints and enquiries may be transmitted.</p>	<p>Included within CCR, evidence sighted on external site notice boards (Photo 11) and on project website:</p> <p>https://www.barangaroosouth.com.au/community/public-domain</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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C6	<p>Complaints and Enquiries Procedure</p> <p>A Pre-Construction Compliance Report must be prepared for the development and submitted to the Certifying Authority for approval before the commencement of construction. A copy of the endorsed compliance report must be provided to the Department at compliance@planning.nsw.gov.au before the commencement of construction. The Pre-Construction Compliance Report must include:</p> <p>a) details of how the terms of this consent that must be addressed before the commencement of construction have been complied with; and</p> <p>b) the expected commencement date for construction.</p>	Condition duplicated, see C4 above	C		
C7	<p>Access to Information</p> <p>At least 48 hours before the commencement of construction and until the completion of all works under this consent, or such other time as agreed by the Secretary, the Applicant must:</p> <p>a) make the following information and documents (as they are prepared, obtained or approved) publicly available on its website:</p> <ul style="list-style-type: none"> i. the documents referred to in Condition A2(c) and (d) of this consent; ii. all current statutory approvals for the development; iii. all approved strategies, plans and programs required under the conditions of this consent; iv. regular reporting on the environmental performance of the development in accordance with the reporting -arrangements in any plans or programs approved under the conditions of this consent; v. a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs; vi. a summary of the current stage and progress of the development; vii. contact details to enquire about the development or to make a complaint; viii. a complaints register, updated monthly; ix. audit reports prepared as part of any independent environmental audit of the development and the Applicant's response to the recommendations in any audit report; x. any other matter required by the Secretary; and <p>b) keep such information up to date, to the satisfaction of the Secretary.</p>	<p>Email from LL Community Relations team member dated 20/12/18 provides evidence that the project website was made publicly accessible from that date.</p> <p>Internal email to LL Webteam, dated 15.10.2019 requesting updates to the project website links. Email response from Webteam confirming updates complete, dated 21.10.2019.</p> <p>Water and air quality monitoring data available on website.</p> <p>All required (i.e. approved) strategies, programs and plans required to be on the project website were publicly available at the time of the audit.</p> <p>Observation: The Complaints Register provided is a summary for the month and the nature and date of the complaints cannot be viewed.</p>	C		
C8	<p>Construction Environmental Management Plan</p> <p>Prior to the commencement of works, the Applicant shall prepare an updated Construction Environmental Management Plan (CEMP) for Barangaroo South incorporating the development to be submitted to the EPA for review and submitted to the PCA. The CEMP must:</p> <p>a) describe the relevant stages and phases of construction including work program outlining relevant timeframes for each stage/phase;</p>	<p>One Sydney Harbour Project EHS Management Plan, Issue No. 4, dated 16.7.2018.</p> <p>Evidence of submission to the EPA was sighted in email submitting Plan to EPA for review on 5/11/18</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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	<p>b) describe all activities to be undertaken on the site during site establishment and construction of the development;</p> <p>c) clearly outline the stages/phases of construction that require ongoing environmental management monitoring and reporting;</p> <p>d) 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;</p> <p>e) include specific consideration of measures to address any requirements of the Environmental Protection Agency (EPA) during site establishment and construction;</p> <p>f) describe the roles and responsibilities for all relevant employees involved in the site establishment and construction of the works;</p> <p>g) 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;</p> <p>h) detail construction exclusion zones, including alternate locations outside Hickson Park should they be required;</p> <p>i) document and incorporate all sub environmental management plans (Sub-Plans), studies and monitoring programs required under this consent; and</p> <p>j) include arrangements for community consultation and complaints handling procedures during construction.</p>	<p>CC1 references the Project EHS Management Plan, Rev 4 prepared by Lendlease, dated 16 July 2018 which is evidence of its issuing to PCA.</p> <p>EHS Weekly site inspection form, dated 22.10.2019 includes a range of environmental aspects. Actions assigned to work zones</p> <p>Observations:</p> <p>Sub-Plans as required by this consent are not correctly referenced in the CEMP, e.g. Spoil and Waste Management Sub-Plan is referred to as the Waste Management Sub-Plan; Water and Stormwater Management Plan is referred to as the Water Resource Management Plan; Construction Traffic Management Plan is referred to as the Traffic & Parking Management Sub-Plan. There is no reference to the Marine (or Construction vessel) Traffic Management Sub-Plan.</p> <p><i>Auditee Comment: Agreed, Marine TMP to be referenced in the next review of the Management Plan if it is applicable.</i></p> <p>Key environmental legislation in Appendix 2 of the EHS Plan is not specific to the site (general national references only), e.g. the Contaminated Land Management Act 1977 is not referenced despite a declared area of contamination identified in Section 1.4 Project Description. Reference is made to the Impacts & Hazards Risk Assessment for project-specific information, which is not provided as an appendix to the CEMP.</p> <p><i>Auditee Comment: Noted, this will be added in the next document review if still applicable</i></p> <p>There is no summary of environmental monitoring requirements in the EHS Plan – limited to reference to Sub-Plans.</p>			

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		<p><i>Comment: Agreed, the plan deliberately pushes the requirements into the main EHS Plan.</i></p> <p>Headings are illegible in Appendix 5, EHS Responsibilities/Accountabilities Matrix.</p> <p><i>Auditee Comment: Noted, the headings have been rectified in the latest Rev 5</i></p>			
C9	<p>Air Quality and Odour Management Sub-Plan</p> <p>Prior to the issue of the commencement of works, an updated Air Quality and Odour Management Sub-Plan for Barangaroo South prepared by a suitably qualified person shall be submitted to the Environment Protection Authority (EPA) for review and submitted to the PCA.</p> <p>The Sub-Plan must be consistent with and adopt all recommendations of the Air Quality and Odour Impact Analysis (dated 25 November 2016) prepared by AECOM in Appendix U of the EIS and must comply with Environment Protection Licence number 13336, where relevant. A copy must be provided to the Secretary and the BDA.</p>	<p>Air Quality and Odour Management Sub-Plan provided to EPA on 5/11/18 email sighted during April 2019 Audit. CC1 references Management Plan for Air Quality rev 7 prepared by Lendlease, dated 22 Oct 2018 (submission to PCA).</p> <p>Sighted Air Quality and Odour Management Sub-Plan, rev 10, dated 19.3.2019.</p>	C		
C10	<p>Noise and Vibration Management Sub-Plan</p> <p>Prior to the commencement of works, an updated Noise and Vibration Management Sub-Plan for Barangaroo South prepared by a suitably qualified person shall be submitted to the EPA for review and submitted to the PCA.</p> <p>The Sub-Plan must be consistent with and adopt all recommendations of the Construction Noise Report (dated 28 November 2016) prepared by Wilkinson Murray in Appendix V of the EIS. The Noise and Vibration Management Sub-Plan must establish Noise Management Levels for the closest residential properties, including the provision of reasonable and feasible noise mitigation measures. A copy must be provided to the Secretary and the BDA.</p>	<p>One Sydney Harbour Noise and Vibration Management Sub-Plan Rev 8 sighted, dated 4.9.2019</p> <p>Evidence of submission to the EPA was sighted in email submitting Plan to EPA for review on 5/11/18</p> <p>CC1 references the Noise and Vibration Management Sub-Plan, Rev 5 prepared by Lendlease, dated 22 Oct 2018 (evidence of issue to PCA).</p>	C		
C11	<p>Spoil and Waste Management Sub-Plan</p> <p>Prior to the commencement of works, an updated Spoil and Waste Management Sub-Plan for Barangaroo South prepared by a suitably qualified person shall be submitted to the EPA for review and submitted to the PCA. The Plan shall ensure procedures for the management and disposal of any contaminated waste are consistent with any relevant remedial action plan (refer to Condition D7 of this consent).</p> <p>A copy must be provided to the Secretary and the BDA.</p>	<p>Spoil and Waste Management Sub-Plan Rev 6 sighted</p> <p>Evidence of submission to the EPA was sighted in email submitting Plan to EPA for review on 5/11/18</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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		CC1 references the Management Plan for Spoil and Waste, Rev 5 prepared by Lendlease, dated 22 Oct 2018 (evidence of issue to PCA).			
C12	<p>Marine Water Quality</p> <p>Prior to the commencement of works, the Water and Stormwater Management Plan required under Condition C17 of this consent must be updated to incorporate all mitigation measures outlined Seawalls and Over-Water Structures Impact Assessment (dated 24 January 2017) prepared by Royal Haskoning DHV in Appendix Q of the EIS and the Marine Ecology Impact Assessment (dated 7 November 2017) prepared by Royal Haskoning DHV in Appendix S of the RTS. Details demonstrating compliance with the condition must be submitted to the PCA, prior to the commencement of works.</p>	<p>Water and Stormwater Management Plan Rev 5 sighted and on project website: https://www.barangaroosouth.com.au/community/public-domain</p>	C		
C13	<p>Erosion and Sediment Control</p> <p>Soil erosion and sediment control measures shall be designed in accordance with the document Managing Urban Stormwater- Soils & Construction Volume 1 (2004) by Landcom. Details are to be submitted to the satisfaction of the Certifying Authority prior to the commencement of works.</p>	<p>Positive Observation</p> <p><i>Site inspection indicated high quality controls in place to manage dirty water generated during works adjacent to Darling Harbour. See photos 1, 2, 5, 10.</i></p> <p>CC1 references the Erosion and Sediment Control Plan, Rev 5 prepared by Lendlease, dated 22 Oct 2018 (evidence of issue to PCA).</p>	C		
C14	<p>Construction Pedestrian and Traffic Management Sub-Plan</p> <p>Prior to the commencement of works, a Construction Pedestrian and Traffic Management Sub-Plan (CPTMP) prepared by a suitably qualified person, shall be submitted to the PCA. The Plan must be prepared in consultation with RMS, TNSW and the CBD Coordination Office.</p> <p>The Sub-Plan must include a Green Travel Plan for workers and detailed measures that would be implemented to minimise the impact of the development on the safety and capacity of the surrounding road network, minimise truck movements to and from the site as far as practicable during the peak periods of this consent. In addition, the CPTMP shall address, but not be limited to, the following matters:</p> <ol style="list-style-type: none"> location of the proposed work zone; haulage routes; construction vehicle access arrangements; proposed construction hours; 	<p>Cardno Construction Traffic Management Plan, OB0BSouth 1B, Version 12, dated 2 August 2019 sighted and on project website: https://www.barangaroosouth.com.au/community/public-domain</p> <p>Appendix B provides evidence of its implementation.</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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	<p>e) estimated number of construction vehicle movements;</p> <p>f) details of construction activities and timing of these activities;</p> <p>g) consultation strategy for liaison with surrounding stakeholders;</p> <p>h) any potential impacts to general traffic, cyclists, pedestrians and bus services within the vicinity of the site from construction vehicles during the construction works;</p> <p>i) cumulative construction impacts of projects including Sydney Light Rail Project and Sydney Metro. Existing CPTMPs for developments within or around the development site should be referenced in the CPTMP to ensure coordination of work activities are managed to minimise impacts on the road network; and</p> <p>j) should any impacts be identified, the duration of the impacts and measures proposed to mitigate any associated general traffic, public transport, pedestrian and cyclist impacts must be clearly identified and included in the CPTMP.</p> <p>A copy of the CPTMP, endorsed by the CBD Coordination Office, is to be provided to the Secretary and the BDA.</p>				
C15	<p>Works Authorisation Deed</p> <p>Prior to the issue of the relevant Construction Certificate, the Applicant shall obtain a Works Authorisation Deed from RMS for the provision of any traffic lights or any other works likely which would impact on existing RMS assets affected by the development.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works (CC2) references Statement for DA Condition C15 prepared by Lendlease dated 9 August 2019.</p> <p>For Balance of Works Stage, CC3 states a copy of the Works Authorisation Deed from RMS is required to demonstrate compliance with Condition C15.</p>			NT
C16	<p>Regulatory Signs and Markings</p> <p>Prior to the issue of the relevant Construction Certificate, the Applicant shall refer any proposed regulatory signs and markings (e.g. marked foot crossings) to Council's Local Traffic Committee.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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C17	<p>Water and Stormwater Management Sub-Plan</p> <p>Prior to the issue of the commencement of works, an updated Water and Stormwater Management Sub-Plan (WSMSP) for Barangaroo South prepared by a suitably qualified person shall be submitted to the EPA and DPI for review and submitted to the satisfaction of the Certifying Authority. The WSMSP must include:</p> <ul style="list-style-type: none"> a) controls to contain spills and leakages during construction; b) inspection regime for erosion and sediment controls, including regular scheduled c) inspections and inspections pre/post heavy rainfall events; and d) details of water quality monitoring regime, including monitoring frequency. <p>A copy of the WSMSP must be provided to the Secretary and the BDA.</p> <p>The WSMSP must be also consistent with and adopt all recommendations of the Stormwater Management and Civil Infrastructure Report prepared by Cardno (dated 17 March 2017) in Appendix C of the EIS. A copy of the WSMSP must be provided to the Secretary.</p>	<p>Water and Stormwater Management Plan Rev 7, dated 4.9.2019 sighted and on project website: https://www.barangaroosouth.com.au/community/public-domain</p> <p>CC1 references the Water and Stormwater Management Sub-Plan, Rev 4 prepared by Lendlease, dated 22 Oct 2018 (evidence of issue to PCA).</p>	C		
C18	<p>Construction Vessel Traffic Management Sub-Plan</p> <p>Prior to the commencement of works, a Construction Vessel Traffic Management Sub-Plan (CVTMSP) for Barangaroo South prepared by a suitably qualified person shall be submitted to RMS and the Port Authority of NSW to their satisfaction and submitted to the PCA.</p> <p>The Sub-Plan must be consistent with and adopt all relevant recommendations of:</p> <ul style="list-style-type: none"> • the Navigation Impact Assessment (dated 24 January 2017) prepared by Royal Haskoning DHV in Appendix K of the EIS; and • the RMS's submissions on the development dated 16 June 2017 and 5 April 2018 (Ref: SYD16/01208) <p>A copy of the CVTMSP must be provided to the Secretary and the BDA.</p>	<p>SMC Marine, Marine Traffic Management Plan Rev 8, dated 16.4.2019 sighted and on project website: https://www.barangaroosouth.com.au/community/public-domain</p> <p>CC1 references the Marine Management Plan, Rev 1 prepared by SMC Marine, dated 3 Sep 2018 (evidence of issue to PCA).</p>	C		
C19	<p>Utility Services</p> <p>Prior to the commencement of works, the Applicant is to negotiate with the utility authorities (e.g. Ausgrid and Telecommunications Carriers) in connection with the relocation and/or adjustment of the services affected by the construction of the underground structure.</p> <p>Prior to the commencement of works, written advice must be obtained from the electricity supply authority, an approved telecommunications carrier and an approved gas carrier (where relevant) stating that satisfactory arrangements have been made to ensure provision of adequate services.</p>	<p>No permanent services have yet been relocated.</p> <p>CC3 references letter regarding Condition C19 & C21 prepared by Cardno dated 6 September 2019.</p>			NT

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C20	<p>Independent Environmental Audit</p> <p>No later than one week before the commencement of construction or within another timeframe agreed with the Secretary, a program of independent environmental audits must be prepared for the development in accordance with AS/NZS ISO 190-2014: Guidelines for Auditing Management Systems (Standards Australia, 2014) and submitted to the Secretary for information.</p> <p>The scope of each audit must be defined in the program. The program must ensure that environmental performance of the development in relation to each compliance requirement that forms the audit scope is assessed at least once in each audit cycle.</p> <p>The environmental audit program of the development must be conducted by a suitably qualified, experienced and independent team of experts and be documented in an audit report which:</p> <ul style="list-style-type: none"> a) assesses the environmental performance of the development, and its effects on the surrounding environment including the community; b) assesses whether the development is complying with the terms of this consent; c) reviews the adequacy of any document required under this consent; and d) recommends measures or actions to improve the environmental performance of the development, improvements to any document required under this consent. <p>Within three months of commencing an Independent Environmental Audit, or within another timeframe agreed by the Secretary, a copy of the audit report must be submitted to the Secretary, and any other NSW agency that requests it, together with a response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The recommendations must be implemented to the satisfaction of the Secretary.</p> <p>Note: The audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.</p>	<p>Audit Program submitted to DPE on 29/10/18 more than one week prior to commencement of construction as required.</p> <p>This audit is being undertaken in October 2019 as per the Audit Program.</p> <p>April 2019 Audit Report submitted to Secretary (compliance@planning.nsw.gov.au), email dated 16.7.2019 for audit conducted on 17.4.2019. Submitted within required 3-month timeframe.</p> <p>DPIE letter acknowledging IEA Report received, dated 12.9.2019.</p>	C		
C21	<p>Requirements of Public Authorities</p> <p>The Applicant must comply with the requirements of any public authorities (e.g. Ausgrid, Sydney Water, Telstra Australia) in regard to the connection to, relocation and/or adjustment of the services affected by the construction of the proposed structure. Any costs in the relocation, adjustment or support of services are the responsibility of the Applicant. Details of compliance with the requirements of any relevant public authorities must be submitted to the satisfaction of the Certifying Authority prior to the commencement of works</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2). CC2 references Statement for DA Condition C21 prepared by Cardno dated 9 August 2019;</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works (CC3).</p> <p>CC3 references letter regarding Condition C19 & C21 prepared by Cardno dated 6 September 2019.</p>	C		

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C22	<p>Demolition Works</p> <p>Demolition work must comply with the provisions of Australian Standard AS2601:2001 The Demolition of Structures (Standards Australia, 2001). The work plans by AS2601:2001 must be accompanied by a written statement from a suitably qualified person that the proposals contained in the work plan comply with the safety requirements of the Standard. The work plans and the statement of compliance shall be submitted to the Certifying Authority prior to the commencement of works</p>	Sighted in CC1 during April 2019 IE Audit.	C		
C23	<p>Environmental Protection Licence</p> <p>Prior to the commencement of works, the Applicant must ensure that the existing Environmental Protection Licence (EPL) issued to the Barangaroo Delivery Authority (No. 13336) is varied (if required), to reflect and permit the works conducted on site.</p>	<p>EPL 13336 was varied to include SSD 7944 works. Scheduled Works (contaminated water treatment) completed.</p> <p>Letter from NSW EPA RE: Approval of the Surrender of Licence No. 1336, dated 17.10.2019. Application for licence surrender was received by EPA (from INSW) on 23.9.2019.</p>	C		
C24	<p>Hoardings</p> <p>A separate application under section 138 of the Roads Act 1993 is to be made to the relevant road authority to erect a hoarding and/or scaffolding in a public road (if required) and such application is to include:</p> <p>a) architectural, construction and structural details of the design as well as proposed artwork; and</p> <p>b) structural certification prepared and signed by an appropriately qualified practising structural engineer.</p> <p>Evidence of the issue of a Structural Works Inspection Certificate and structural certification will be required prior to the commencement of construction works on site.</p>	Sighted in CC1 during April 2019 IE Audit.	C		
C25	<p>Geotechnical Reports</p> <p>Prior to the commencement of any drilling/piling works on site, the Applicant shall submit to the PCA, the results of a detailed geotechnical investigation on the site. The report is to address such matters as:</p> <p>a) appropriate drilling methods and techniques;</p> <p>b) vibration management and monitoring;</p> <p>c) dilapidation survey;</p> <p>d) support and retention of excavated faces; and</p> <p>e) hydrogeological considerations.</p> <p>The recommendations of the report are to be implemented during the course of the works.</p>	Sighted in CC1 during April 2019 IE Audit.	C		

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C26	<p>Barricade Permit</p> <p>Where construction/building works require the use of a public place including a road or footpath, approval under section 138 of the <i>Roads Act 1993</i> for a Barricade Permit is to be obtained prior to the commencement of work. Details of the barricade construction, area of enclosure and period of work are required to be submitted to the satisfaction of the relevant road authority.</p>	Sighted in CC1 during April 2019 IE Audit.	C		
C27	<p>Traffic Works</p> <p>Any proposals for alterations to the public road, involving traffic and parking arrangements, must be designed in accordance with RMS Technical Directives and must be referred to and agreed to by the Local Pedestrian, Cycling and Traffic Calming Committee prior to any work commencing on site.</p>	<p>Construction Certificate No 19/124910-2 issued 12/08/19 by McKenzie Group for the public domain and associated works identified (CC2)</p> <p>AND</p> <p>Construction Certificate No 19/124910-2 issued 2/10/2019 by McKenzie Group for the public domain and associated works as relates to Stage 3 balance of works - (CC3)</p>	C		
C28	<p>Road Occupancy Licence</p> <p>A Road Occupancy Licence (ROL) must be obtained from the relevant road authority under section 138 of the <i>Roads Act 1993</i> for any activity that may impact on the operation of the road network. The ROL allows the Applicant to use a specified road space at approved times, provided certain conditions are met. The Applicant must allow a minimum of 10 working days for processing ROL applications. Traffic Control Plans are to accompany each ROL application(s) for any such activities.</p>	Sighted in CC1 during April 2019 audit.	C		
PART D - DURING CONSTRUCTION					
D1	<p>EPL and Management Orders</p> <p>All works undertaken on site must be done in a manner which ensures compliance with the EPL for the site (No. 13336) and any Management Order/s issued under the <i>Contaminated Land Management Act 1997</i>.</p>	<p>Air quality monitoring and water quality monthly reports are submitted to EPA as required under Licence. Summaries are available on the project website https://www.barangaroosouth.com.au/community/public-domain</p> <p>The EPL is now surrendered.</p>	C		
D2	<p>Construction Hours</p> <p>Construction, including the delivery of materials to and from the site, may only be carried out between the following hours:</p> <p>a) between 7 am and 7 pm, Mondays to Fridays inclusive;</p> <p>b) between 7 am and 5 pm, Saturdays.</p>	<p>Project hours sighted in project induction.</p> <p>No out of hours works are known to have occurred during the audit period.</p> <p>Construction Update, issued by Lendlease Community Development Team, dated 18.2.2019. Provides construction update for</p>	C		

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	<p>No construction work may be carried out on Sundays or public holidays</p> <p>Activities may be undertaken outside of these hours if required:</p> <p>a) by the Police or a public authority (not the Applicant) for the delivery of vehicles, plant or materials; or</p> <p>b) in an emergency to avoid the loss of life, damage to property or to prevent environmental harm.</p> <p>Notification of such activities must be given to affected residents before undertaking the activities or as soon as is practical afterwards.</p> <p>Rock breaking, rock hammering, sheet piling, pile driving and similar activities may only be carried out between the following hours:</p> <p>a) 9 am to 12 pm, Monday to Friday;</p> <p>b) 2 pm to 5 pm, Monday to Friday; and</p> <p>c) 9 am to 12 pm, Saturday.</p>	Waterman's Cove. Outlines noisy piling works scheduled for the project. Published on project website.			
D3	<p>Implementation of Management Plans</p> <p>The Applicant must ensure the requirements of the Construction Framework Environmental Management Plan and all Sub-Plans required by Part B of this consent are implemented during construction.</p>	As verified throughout the audit.	C		
D4	<p>Traffic Management</p> <p>The Construction Pedestrian and Traffic Management Sub-Plan approved under Condition C14 shall be implemented during construction except where modified below:</p> <p>a) under the current legislation the use of lengthy vehicles in the CBD is prohibited within certain time frames. All lengthy vehicles must comply with this regulation as stipulated in the NSW Road Rules. A map indicating the prohibited area and definitions of lengthy vehicles are included in the Road Rules;</p> <p>b) personnel using stop/slow signage are not permitted in Hickson Road or Sussex Street on weekdays between the hours of 7 am and 9 am and 4 pm and 7 pm. However, personnel using stop/slow signage will be permitted on Hickson Road, north of the intersection of Hickson Road and Napoleon Street, when it is required to ensure safe truck access at designated site access points, provided that vehicle queue lengths generated as a result of the traffic control do not exceed more than six vehicles in either direction;</p> <p>c) truck movements should be staged and coordinated to prevent trucks circling CBD streets whilst awaiting access to the site. There should be holding areas outside the CBD on the fringes or sufficient space within the site to store trucks and heavy vehicles;</p> <p>d) truck movements to and from the site associated with the development must be minimised as far as practicable during the PM peak period;</p> <p>e) where possible, trucks must avoid driving over areas of the site that have already been excavated, validated or re-instated to prevent cross contamination;</p>	<p>No heavy vehicles were observed to be queuing outside the site during the site visit.</p> <p>Access gates were locked.</p>	C		

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	<p>f) all trucks associated with the development must have their loads covered to ensure trucks do not track material onto the public road network; and</p> <p>g) all trucks must be decontaminated in the wheel wash areas before exiting the site.</p>				
D5	<p>Loading and Unloading</p> <p>The following requirements apply;</p> <p>a) All loading and unloading associated with construction must be accommodated on site.</p> <p>b) A Works Zone is required if loading and unloading is not possible on site. If a Works Zone is warranted an application must be made to RMS at least 8 weeks prior to commencement of work on the site. Consent for a Works Zone may be given for a specific period and certain hours of the days to meet the particular need for the site for such facilities at various stages of construction. The consent will be reviewed periodically for any adjustment necessitated by the progress of the construction activities.</p> <p>c) The structural design of the building must permit the basement and/or the ground floor to be used as a loading and unloading area for the construction of the remainder of the development.</p>	<p>Loading and unloading undertaken within the site perimeter within a dedicated loading/unloading area</p>	C		
D6	<p>Contamination</p> <p>The Applicant must ensure all works are carried out in accordance with the relevant recommendations and requirements of the SEPP 55 letter (dated 20 September 2017) prepared by AECOM in Appendix D of the RTS.</p>	<p>This is the subject of separate review by the EPA accredited Contaminated Site Auditor for the Barangaroo Project.</p>			NT
D7	<p>Remediation works</p> <p>All remediation works are to be undertaken in accordance with the relevant Remedial Action Plans and accompanying documents outlined below:</p> <p>a) Amended Remedial Action Plan Barangaroo - ORWS Area, prepared by AECOM Australia Pty Limited and dated 7 July 2011;</p> <p>b) Addendum to the ORWS Amended Remedial Action Plan, prepared by AECOM Australia Pty Limited and dated 10 October 2012;</p> <p>c) Remedial Action Plan Crown Hotel Development (Part of ORWN Area), Barangaroo South, prepared by AECOM Australia Pty Limited and dated 13 January 2015;</p> <p>d) Remedial Action Plan, NSW EPA Declared Remediation Site 21122 and Block 4 (Stage 1b) Development Works, Barangaroo, Millers Point, NSW, prepared by AECOM Australia Pty Limited and dated 24 July 2013;</p> <p>e) Addendum to the Remedial Action Plan, NSW EPA Declared Remediation Site 21122 and Block 4 (Stage 1b) Development Works, Barangaroo, Millers Point, NSW – Offsite Treatment/Transport of Contaminated Material, prepared by AECOM Australia Pty Limited and dated 15 October 2016;</p> <p>f) VMP/Block 4 Remedial Action Plan Addendum - Part Stage 1B Public Domain (Waterman's Quay), Hickson Road, Millers Point, Barangaroo South, prepared by AECOM Australia Pty Limited and dated 19 April 2016;</p>	<p>As above</p>			NT

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	<p>g) Remedial Action Plan Barangaroo South Stage 1B Waterfront Public Domain, prepared by AECOM Australia Pty Limited and dated 22 January 2016;</p> <p>h) Addendum to the Stage 1B Waterfront Public Domain RAP, Barangaroo South, prepared by AECOM Australia Pty Limited and dated 13 September 2017; and</p> <p>i) Remedial Action Plan, Block 5 Public Domain, Barangaroo South, prepared by AECOM Australia Pty Limited and dated 19 April 2017.</p>				
D8	<p>Unexpected Finds Protocol</p> <p>The Applicant shall implement the Unexpected Finds Protocol approved under Condition B9 of this consent for the duration of construction.</p>	No unexpected finds encountered during the project.			NT
D9	<p>Filling of Waterman's Cove</p> <p>The Applicant must ensure any soil imported to the site for filling in Waterman's Cove meets the environmental and geotechnical requirements specified in the Remedial Action Plan Barangaroo South Stage 1B Waterfront Public Domain, prepared by AECOM Australia Pty Limited and dated 22 January 2016.</p>	No soil imported for the project to date.			NT
D10	<p>Noise and Vibration Management</p> <p>The development must be constructed with the aim of achieving the construction noise management levels detailed in the Interim Construction Noise Guideline (Department of Environment and Climate Change, 2009). All feasible and reasonable noise mitigation measures must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the Construction Noise and Vibration Management Sub-Plan.</p>	<p>Noise hoarding in place (see cover photo on this Report)</p> <p>Evidence of implementation of Noise and Vibration Management Plan as follows: Respite periods (2-hour breaks) provided following high noise activities; No rock hammering or piling before 9am; Pre-cast materials placed using barge crane which is a relatively quiet activity; and Barge took demolition materials offsite rather than using trucks.</p> <p>One noise-related complaint received for 2019, dated 20.5.2019, 1:30pm. Related to piling works in water from T1 tenant. Closed-out.</p>	C		
D11	Any noise generated during the construction of the development must not be offensive noise within the meaning of the <i>Protection of the Environment Operations Act 1997</i> or exceed approved noise limits for the Subject Site.	Only one noise related complaint for 2019 (see Condition D10). Other works in the area including Crown Casino, Metro and general commercial premises. Traffic on Hickson Road makes it difficult to distinguish Project noise contribution from other sites.	C		

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D12	Heavy vehicles and oversized vehicles must not queue or idle on public roads outside the site awaiting access to the site.	No heavy vehicle queuing observed on day of site inspection.	C		
D13	The Applicant must schedule intra-day 'respite periods' for construction activities predicted to result in noise levels in excess of the "highly noise affected" levels, including the addition of 5 dB to the predicted levels for those activities identified in the Interim Construction Noise Guideline as being particularly annoying to noise sensitive receivers.	<p>Wilkinson Murray Noise and Vibration Monitoring Report – 1 April – 12 May 2019, dated May 2019. Describes results of 24Hr unattended noise monitoring along the southern site boundary hoarding.</p> <p>The recorded LAeq noise levels were found to exceed the guideline in 27 separate 15-minute intervals during the monitoring period. The recorded noise levels in most cases exceeded the NML by less than 3dBA.</p> <p>Wilkinson Murray recommend that a review of the construction timeline is conducted to confirm if the exceedances were related to construction works or were generated by extraneous noise sources.</p> <p>Lendlease advises that it has: reviewed its construction activity timeline against noise exceedances which has highlighted the following works occasionally correlated with elevated noise levels:</p> <ul style="list-style-type: none"> • Works in close proximity to the noise monitor • Pile driving (hammering, not vibrating), especially in close proximity to the noise monitor <p>To minimise impacts from the latter, construction hours (as specified in condition D2) specific to high noise impact activities were adhered to.</p>	C		

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		Some exceedances could not be linked to construction activities on site and were likely due to high background noise levels.			
D14	Vibration caused by construction at any residence or structure outside the subject site must be limited to: a) for structural damage vibration to buildings (excluding heritage buildings), British Standard BS 7385 Part 2-1993 Evaluation and Measurement for Vibration in Buildings; b) for structural damage vibration to heritage buildings, German Standard DIN 4150 Part 3 Structural Vibration in Buildings Effects on Structure; and c) for human exposure to vibration, the evaluation criteria presented in British Standard BS 6472- Guide to Evaluate Human Exposure to Vibration in Buildings (1Hz to 80 Hz) for low probability of adverse comment.	Wilkinson Murray Noise and Vibration Monitoring Report, 1 April–12 May 2019, dated May 2019. Vibration monitoring is being undertaken in basement of nearby building (15 Barangaroo Ave). Vibration recorded indicates compliance with DIN4150-3 Line 1 'Commercial' vibration guideline. No exceedance of required vibration limits has reportedly been detected to date. Piling works were completed at the time of the audit.	C		
D15	The Applicant must undertake trial testing of vibration intensive equipment that is identified as having the potential to exceed the vibration criteria identified in Condition D14 to ensure it is not exceeded at any residence or structure outside the site.	Letter from Wilkinson Murray to Lendlease, dated 25.10.2019 RE: Vibration Monitoring for Waterman's Cove Piling Works. Letter described trials of piling undertaken in accordance with this condition, commencing on 6.5.2019 and measurements were less than the required limits (5mm/s) for the entirety of the monitoring period, and actually remained below 0.2mm/s.	C		
D16	Approved plans to be onsite A copy of the approved and certified plans, specifications and documents incorporating conditions of approval and certification must be kept on the Subject Site at all times and must be readily available for perusal by any officer of the Department, Council or the PCA.	Plans available at main site office	C		
D17	Site Notice A site notice(s) must be prominently displayed at the boundaries of the Subject Site for the purposes of informing the public of project details including, but not limited to the details of the Builder, Certifying Authority and Structural Engineer. The notice(s) is to satisfy all, but not be limited to, the following requirements: a) minimum dimensions of the notice are to measure 841mm x 594mm (A1) with any text on the notice to be a minimum of 30-point type size;	Site notice with required details evident in Photo 11 and is compliant with Condition D17.	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
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	<p>b) the notice is to be durable and weatherproof and is to be displayed throughout the works period;</p> <p>c) the approved hours of work, the name of the site/project manager, the responsible managing company (if any), its address and 24-hour contact phone number for any inquiries, including construction/noise complaint are to be displayed on the site notice; and</p> <p>d) the notice(s) is to be mounted at eye level on the perimeter hoardings/fencing and is to state that unauthorised entry to the site is not permitted.</p>				
D18	<p>Impacts of Below Ground (Sub Surface) Works- Non-Aboriginal Objects</p> <p>If during the course of construction, the Applicant becomes aware of any previously unidentified heritage object(s), all work likely to affect the object(s) must cease immediately and the Heritage Council of New South Wales must be notified immediately and consulted with regard to the recommencement of works.</p>	No previously unidentified heritage object(s) encountered during the project to date.			NT
D19	<p>Impacts of Below Ground (Sub Surface) Works- Aboriginal Objects</p> <p>If during the course of construction, the Applicant becomes aware of any previously unidentified Aboriginal object(s), all work likely to affect the object(s) must cease immediately and OEH informed in accordance with section 89A of the <i>National Parks and Wildlife Act 1974</i>. Relevant works must not recommence until written authorisation from Office of Environment and Heritage is received by the Applicant.</p>	No previously unidentified Aboriginal object(s) encountered during the project to date.			NT
D20	<p>Site Contamination Issues During Construction</p> <p>Should any new information come to light during demolition or construction works which has the potential to alter previous conclusions about site contamination, the Department must be immediately notified and works must cease. Works must not recommence on site until the Department confirms works can recommence.</p>	No new information re site contamination has come to light during the audit period.			NT
D21	<p>SafeWork NSW Requirements</p> <p>To protect the safety of work personnel and the public, the work site must be adequately secured to prevent access by unauthorised personnel, and work must be conducted at all times in accordance with relevant SafeWork NSW requirements.</p>	Perimeter hoarding has been established around the site (photo 10) and access gate was locked at time of inspection (photo 12).	C		
D22	<p>Hoarding/Fencing Requirements</p> <p>The following hoarding requirements must be complied with:</p> <p>a) no third-party advertising is permitted to be displayed on the subject hoarding/fencing; and</p> <p>b) the construction site manager must be responsible for the removal of all graffiti from any construction hoarding/fencing or the like within the construction area within 48 hours of its application.</p>	No advertising or graffiti observed on site hoarding/fencing during the site inspection.	C		
D23	<p>Waste Management</p> <p>The Applicant must ensure that:</p>	ERM have been engaged for waste classification on the project. This process has been audited	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
	<p>a) all waste generated by the development is classified and managed in accordance with the EPA's Waste Classification Guidelines Part 1: Classifying Waste 2009;</p> <p>b) all waste generated by the development is treated and/or disposed of at a facility that has sufficient capacity to and may lawfully accept that waste; and</p> <p>c) waste (including litter, debris or other matter) is not caused or permitted to enter the waters of Sydney Harbour.</p>	<p>previously by WolfPeak in a separate report, dated December 2018.</p> <p>Waste Classification Report dated 24.1.2019 for B&D Waste by ERM sighted.</p> <p>June 2019 Waste Pack which includes SMC Marine Waste Tracking System Forms for that month. Waste Classification Report by ERM dated 7/5/19 for removed piles classified as GSW.</p>			
D24	<p>Asbestos and Hazardous Waste Removal</p> <p>Any existing filling on the site must be assessed for the presence of asbestos materials during construction. All materials requiring removal from the site must be classified in accordance with the EPA's Waste Classification Guidelines 2014. The Applicant must ensure that demolition works are undertaken so that cross-contamination of the site does not occur.</p>	<p>Waste classification is conducted by ERM as described in Condition D23 and includes existing fill if encountered.</p>	C		
D25	<p>Removal of asbestos and other hazardous building materials must be undertaken by a suitably licensed contractor and an asbestos clearance certificate must be provided before waste classification, disposal or site validation is undertaken.</p>	<p>No asbestos present in wharf structure and no asbestos been encountered during this particular project</p>			NT
D26	<p>Covering of Loads</p> <p>All vehicles involved in the excavation and / or demolition process and departing from the property with materials, spoil or loose matter must have their loads fully covered before entering the public roadway.</p>	<p>No vehicles carrying spoil were observed to be entering or leaving the site during the inspection.</p>			NT
D27	<p>Vehicle Cleansing</p> <p>Prior to the commencement of work, suitable measures are to be implemented to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the site. It is an offence to allow, permit or cause materials to pollute or be placed in a position from which they may pollute waters.</p>	<p>No mud tracking offsite was observed on day of site inspection. Hardstand surface.</p> <p>Street sweeper observed on Hickson Road (Photo 15).</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
D28	<p>Stockpile Management</p> <p>The Applicant must ensure:</p> <ul style="list-style-type: none"> a) stockpiles of excavated material do not exceed 4 metres in height; b) stockpiles of excavated material are constructed and maintained to prevent cross contamination; and c) suitable erosion and sediment controls are in place for stockpiles. 	No stockpiles on site at the time of inspection.			NT
D29	<p>Dust Control Measures</p> <p>Adequate measures shall be taken to prevent dust from affecting the amenity of the neighbourhood during construction. In particular, the following measures should be adopted:</p> <ul style="list-style-type: none"> a) physical barriers shall be erected at right angles to the prevailing wind direction or shall be placed around or over dust sources to prevent wind or activity from generating dust emissions; b) earthworks and scheduling activities shall be managed to coincide with the next stage of development to minimise the amount of time the site is left cut or exposed; c) all materials shall be stored or stockpiled at suitable locations and stockpiles shall be maintained at manageable sizes which allow them to be covered, if necessary, to control emissions of dust and/or VOCs/odour; d) the surface should be dampened slightly to prevent dust from becoming airborne but should not be wet to the extent that run-off occurs; e) all vehicles carrying spoil or rubble to or from the site shall at all times be covered to prevent the escape of dust or other material; f) all equipment wheels shall be washed before exiting the site using manual or automated sprayers and drive-through washing bays; g) gates shall be closed between vehicle movements and shall be fitted with shade cloth; and h) cleaning of footpaths and roadways shall be carried out regularly. 	<p>Hoarding in place to minimise dust emissions from site. The majority of the site was covered with hardstand with limited opportunity for dust generation to occur.</p> <p>Site very clean. No loose materials noted.</p>	C		
D30	<p>Erosion and Sediment Control</p> <p>All erosion and sediment control measures are to be effectively implemented and maintained at or above design capacity for the duration of the construction works and until such time as all ground disturbed by the works has been stabilised and rehabilitated so that it no longer acts as a source of sediment.</p>	<p>Coir logs in place on water's edge to contain runoff from site (Photos 1 & 2).</p> <p>Oil boom / silt curtain in place to contain any pollutants within immediate worksite area (Photos 1 & 10).</p> <p>Sandbags placed around drain to reduce risk of contaminants entering (Photo 5).</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
D31	<p>Setting out of Structures</p> <p>All structures shall be set out by a registered surveyor to verify the correct position of the structures in relation to property boundaries and the approved alignment levels. The registered surveyor shall submit a plan to the PCA certifying that structural works are in accordance with the approved development application.</p>	Checked by PCA			NT
D32	<p>No Obstruction of Public Way</p> <p>The public way must not be obstructed by any materials, vehicles, refuse skips or the like, under any circumstances. Non-compliance with this requirement will result in the issue of a notice by the Secretary to stop all work on site.</p>	<p>Public access areas including roads and footpaths were not obstructed on day of site inspection.</p> <p>No materials or vehicles parked outside site; all activity confined within the site perimeter.</p>	C		
D33	<p>Contact Telephone Number</p> <p>The Applicant must ensure that the 24-hour contact telephone number is continually attended by a person with authority over the works for the duration of the development.</p>	Checked by auditor and confirmed this is attended.	C		
D34	<p>Operation of Plant and Machinery</p> <p>All plant and equipment used on site, or to monitor the performance of the development must be:</p> <p>a) maintained in a proper and efficient condition; and</p> <p>b) operated in a proper and efficient manner.</p>	<p>Evidence of proper and efficient operation of equipment was observed on day of site inspection.</p> <p>Blueglue system used to manage plant and equipment maintenance and acceptance to site. QR codes to be attached to each machine to allow maintenance records to be checked.</p> <p>Tower Crane TC3 July – August 2019 records sighted in Blueglue.</p>	C		
D35	<p>Acid Sulfate Soils</p> <p>The Applicant must ensure that any acid sulfate soil (ASS) and potential acid sulfate soil (PASS) excavated or otherwise disturbed during construction is managed in accordance with:</p> <p>a) the Acid Sulfate Soils Manual 1988 (NSW Acid Sulfate Soil Management Advisory Committee);</p> <p>b) the EPA's Waste Classification Guidelines 2014 (Part 4: Acid Sulfate Soils).</p>	No ASS or PASS encountered during the audit period.			NT
D36	<p>Bunding</p> <p>The Applicant shall store all chemicals, fuels and oils used on-site in appropriately banded areas in accordance with the requirements of all relevant Australian Standards, EPL requirements and/or EPA's Storing and Handling Liquids: Environmental Protection - Participants Handbook.</p>	<p>Fuels stored on barge in cabinet and crane on barge is internally banded.</p> <p>Chemical Storage Plan displayed on site (Photo 3), includes storage arrangements for crane diesel and hydraulic tanks, barge diesel and hydraulic</p>	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
		tanks, punt petrol tank, Envirocut fuel cans, and chemical storage locker on barge. Spill kit location included on the Chemical Storage Plan. Spill kit in place landside during inspection (Photo 13) and on barge (Photo 14).			
D37	<p>Water Quality</p> <p>All works should be undertaken in a manner that ensures the protection of the water quality objectives and environmental values for Sydney Harbour estuarine waters in accordance with the following guideline documents:</p> <p>a) NSW Water Quality Objectives; and</p> <p>b) The Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000) for the environmental values under the ANZECC guidelines.</p>	<p>Water quality controls observed included coir logs (Photos 1 & 2), sandbags (Photos 5) and spill kits on site (Photos 13 & 14).</p> <p>Water quality monitoring probe in place (Photo 12).</p> <p>Monthly water quality monitoring conducted in two locations in front of the Crown Sydney Hotel Resort and published on the project website. Monitoring reports from May-September 2019 were sighted.</p>	C		
D38	<p>Water Discharges</p> <p>The Applicant must ensure that all surface water discharges from the site comply with:</p> <p>a) Section 120 of the <i>Protection of the Environment Operations Act 1997</i>; or</p> <p>b) the discharge limits (both volume and quality) set for the development Environment Protection Licence No. 13336, unless otherwise agreed to in writing by the EPA.</p>	As per Condition D37. No pollution incidents or non-compliances with water quality requirements have been reported during the audit period.	C		
D39	<p>Disposal of Seepage and Rainwater</p> <p>Any seepage or rainwater collected on-site during construction shall be managed in accordance with the Water and Stormwater Management Sub-Plan approved under Condition C17 of this consent.</p>	There is very little opportunity for accumulated water due to the very limited excavations on the site	C		
D40	<p>Works on Waterfront Lands</p> <p>The Applicant must ensure all works within waterfront lands are undertaken in accordance with the Department of Industry - Water's Guidelines for Controlled Activities (2012).</p>	SSD is exempt from this requirement.			NT

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
D41	<p>Contaminated and Treated Water</p> <p>Any effluents/liquid waste streams associated with the development that are directed to the site Wastewater Treatment Plant (WTP) are sufficiently treated to ensure:</p> <p>a) compliance with the relevant concentration limits required by Environment Protection Licence No. 13336 prior to discharge to Sydney Harbour; and/or</p> <p>b) compliance with the relevant requirements of an executed Trade Waste Agreement with Sydney Water Corporation prior to discharge to sewer.</p>	<p>Effluent from the site directed to the WTP and discharged at Point 14 as per the water monitoring reports.</p> <p>During May, the WTP treated and discharged 7113.89kL of water to EPL Point 14.</p> <p>During June, the WTP treated and discharged 7797kL of water to EPL Point 14.</p> <p>During July, the WTP treated and discharged 6319kL of water to EPL Point 14.</p> <p>During August, the WTP treated and discharged 5963.17kL of water to EPL Point 14.</p> <p>During September, the WTP treated and discharged 6915.82kL of water to EPL Point 14.</p> <p>All required samples were collected and compliant during the audit period.</p>	C		
D42	No contaminated or treated site waters (surface, collected groundwater or contaminated construction waters) are permitted to be discharged into Sydney Harbour unless in accordance with the conditions attached to Environmental Protection Licence No. 13336, unless otherwise agreed to in writing by the EPA.	See response to D37, D38 and D41 above.	C		
D43	No contaminated or treated site waters (surface, collected groundwater or contaminated construction waters) are permitted to be discharged to sewer unless in accordance with the conditions of an executed Trade Waste Agreement with Sydney Water Corporation.	Not applicable at this stage			NT
D44	<p>Pollution of Waters</p> <p>No approval is granted to pollute waters. All water discharge from the site must meet all requirements of the <i>Protection of the Environment Operations Act 1997</i>.</p>	See response to D37 above. Very good control of dirty water on site was observed on day of inspection and no discharges were observed.	C		
PART E - PRIOR TO OCCUPATION OR COMMENCEMENT OF USE					
E1	<p>Occupation Certificate</p> <p>An Occupation Certificate must be obtained from the PCA prior to commencement of occupation or use of the whole or any part of the approved building, whichever occurs first.</p>				NT
E2	<p>GFA and Height Certification</p> <p>A Registered Surveyor is to certify that the GFA of the building does not exceed 11,703m2 and the height of the building does not exceed RL 33.2 m AHD. Details shall be provided to the PCA demonstrating compliance with this condition prior to the issue of any Occupation Certificate.</p>				NT

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
E3	<p>Waste Management Plan</p> <p>Prior to the commencement of the use, an updated Waste Management Plan (WMP) prepared by a suitably qualified person shall be submitted to the satisfaction of the PCA.</p> <p>The WMP must outline all measures that would be implemented to ensure the effective management of operational waste associated with the development. The WMP must outline how waste would be minimised, handled, stored and disposed of in accordance with the relevant guidelines and legislation. Prior to the commencement of use, a copy of the WMP must be submitted to the Barangaroo Delivery Authority.</p>			NT	
E4	<p>Waste and Recycling Collection</p> <p>Prior to the issue of any Occupation Certificate and/or commencement of the use, whichever is the earlier, the building owner must ensure that there is a contract with a licensed contractor for the removal of all trade waste. No garbage is to be placed on the public way e.g. the roadways, footpaths, plazas, and reserves at any time.</p>			NT	
E5	<p>Wind Mitigation Measures</p> <p>Prior to the issue of the relevant Occupation Certificate, evidence shall be submitted to the PCA demonstrating compliance with all wind mitigation recommendations of the Wind Impact Assessment, prepared by Cermak Peterka.</p>			NT	
E6	<p>Fire Safety Certification</p> <p>Prior to the issue of an Occupation Certificate, a Fire Safety Certificate must be obtained for all the Essential Fire or Other Safety Measures forming part of this consent. A copy of the Fire Safety Certificate must be submitted to the relevant authority and be prominently displayed in the building.</p>			NT	
E7	<p>Structural Inspection Certificate</p> <p>A Structural Inspection Certificate must be submitted to the satisfaction of the PCA prior to the use of the building. A copy of the Certificate with an electronic set of final drawings (contact approval authority for specific electronic format) must be submitted to the approval authority after:</p> <p>a) the site has been periodically inspected and the Certifier is satisfied that the structural works is deemed to comply with the final design drawings; and</p> <p>b) the drawings listed on the Inspection Certificate have been checked with those listed on the final Design Certificate/s.</p>			NT	
E8	<p>Car Parking, Bicycle and Facilities for Cyclists' Certification</p> <p>Prior to the issue of any Occupation Certificate, details shall be provided to the PCA demonstrating compliance with the approved number of car parking and bicycle spaces required under Conditions 812 and 813, and facilities for cyclists required under Conditions 814-17.</p>			NT	

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
E9	<p>Sanitary Facilities for Disabled Persons</p> <p>Prior to the issue of the final Occupation Certificate, details must be provided to the PCA demonstrating that the provision of sanitary facilities for disabled persons within the premises complies with Section F2.4 of the BCA and Condition 845.</p>				NT
E10	<p>Mechanical Ventilation</p> <p>Following completion, installation and testing of all mechanical ventilation systems, the Applicant shall provide evidence of the satisfaction of the PCA, prior to the commencement of use, that the installation and performance of the mechanical systems complies with:</p> <p>a) Building Code of Australia;</p> <p>b) Australian Standard AS1668 and other relevant codes;</p> <p>c) the development consent; and</p> <p>d) any dispensation granted by FRNSW.</p>				NT
E11	<p>Road Damage</p> <p>The cost of repairing any damage caused to Barangaroo Delivery Authority's assets in the vicinity of the Subject Site as a result of construction works associated with the approved development is to be met in full by the Applicant prior to the occupation/use of the building.</p>				NT
E12	<p>Protection of Public Infrastructure</p> <p>Unless the Applicant and the applicable authority agree otherwise, the Applicant must:</p> <p>a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by carrying out the development; and</p> <p>b) relocate, or pay the full costs associated with relocating any infrastructure that needs to be relocated as a result of the development.</p>				NT

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
E13	<p>Prior to the issue of any Occupation Certificate</p> <p>a) the Applicant must engage a suitably qualified person to prepare a post-construction dilapidation report at the completion of the construction works. This report to ascertain whether the construction works created any structural damage to adjoining buildings, infrastructure and roads;</p> <p>b) the report is to be submitted to the PCA. In ascertaining whether adverse structural damage has occurred to adjoining buildings, infrastructure and roads, the PCA must:</p> <ul style="list-style-type: none"> i. compare the post-construction dilapidation report with the pre-construction dilapidation report required by these conditions; ii. have written confirmation from the relevant authority that there is no adverse structural damage to their infrastructure and roads; and <p>c) a copy of this report is to be forwarded to the Council and the Secretary and each of the affected property owners.</p>			NT	
E14	<p>Sydney Water Compliance</p> <p>E14 A Section 73 Compliance Certificate under the Sydney Water Act 1994 must be obtained from Sydney Water Corporation.</p> <p>Application must be made through an authorised Water Servicing Coordinator. Please refer to the "Your Business" section of the web site www.sydneywater.com.au then follow the "e-Developer" icon or telephone 13 20 92 for assistance.</p> <p>The Section 73 Certificate must be submitted to the PCA prior to the use of the development.</p>			NT	
E15	<p>Utility Providers</p> <p>Prior to occupation or commencement of the use, written advice shall be obtained from the relevant water supply authority, wastewater disposal authority, electricity supply authority, an approved telecommunications carrier and an approved gas carrier (where relevant) stating that satisfactory arrangements have been made to ensure provision of adequate services.</p>			NT	
E16	<p>Numbering</p> <p>Prior to the issue of any Occupation Certificate, street numbers must be clearly displayed at either end of the ground level frontage in accordance with the Policy on Numbering of Premises within the City of Sydney. If new street numbers or a change to street numbers is required, a separate application must be made to the relevant authority.</p>			NT	

CoC	Requirement	Evidence and Finding	Compliance Status							
			C	NC	NT					
E17	Shops not having a direct street frontage must have their shop number clearly displayed and visible at all times on the shop front.				NT					
PART F - POST OCCUPATION OR DURING USE										
F1	<p>Hours of Operation</p> <p>F1 The hours of operation shall be as follows:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Land Use</td> <td style="width: 30%;">Hours of Operation</td> <td style="width: 40%;">Business/Office Premises</td> </tr> <tr> <td>24 hours (all day)</td> <td></td> <td></td> </tr> </table>	Land Use	Hours of Operation	Business/Office Premises	24 hours (all day)					NT
Land Use	Hours of Operation	Business/Office Premises								
24 hours (all day)										
F2	<p>External Lighting</p> <p>External Lighting shall comply with AS4282: 1997 Control of the Obtrusive Effects of Outdoor Lighting. Upon installation of lighting, but before it is finally commissioned, the Applicant shall submit evidence from an independent qualified practitioner, to the consent authority, demonstrating compliance in accordance with this condition.</p>			NT						
F3	<p>Noise Control - Plant and Machinery</p> <p>Noise associated with the operation of any plant, machinery or other equipment on the site, must not give rise to any one or more of the following:</p> <p>a) transmission of "offensive noise" as defined in the <i>Protection of the Environment Operations Act 1997</i> to any place of different occupancy;</p> <p>b) a sound pressure level at any affected residential property that exceeds the background (LA90, 15 minute) noise level by more than 5dB(A). The background noise level must be measured in the absence of noise emitted from the premises. The source noise level must be assessed as a LAeq, 15 minute; or</p> <p>c) exhibit tonal, impulsive or other annoying characteristics</p> <p>Notwithstanding compliance with (a) and (b) above, the noise from mechanical plant associated with the premises must not be above the background noise level between the hours of 12 midnight and 7 am.</p>			NT						

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
F4	<p>Noise Control – Use</p> <p>Noise emanating from the premises must not give rise to any one or more of the following:</p> <p>a) transmission of "offensive noise" as defined in the <i>Protection of the Environment Operations Act 1997</i> to any place of different occupancy;</p> <p>b) the LA10 noise level must not exceed the background noise level in any Octave Band Centre Frequency (31.5Hz-8kHz inclusive) by more than 5dB between 7 am and 12 midnight at the boundary of any affected residence;</p> <p>c) the LA10 noise level emitted must not exceed the background noise level in any Octave Band Centre Frequency (31.5Hz-8kHz inclusive) between 12 midnight and 7 am at the boundary of any affected residence; and</p> <p>d) notwithstanding compliance with (a), (b) and (c) above, all noise associated with the premises must not be audible within any habitable room in any residential premises between the hours of 12 midnight and 7 am.</p>			NT	
F5	<p>Signage</p> <p>A maximum of one commercial signage zone (referred to in Condition 826 and 827) is permitted to be erected/used on the north elevation at any one time.</p>			NT	
F6	<p>Unobstructed Driveways and Parking Areas</p> <p>At all times the, car parking spaces must be kept clear of goods and must not be used for storage purposes, including garbage storage.</p>			NT	
F7	<p>Loading/Unloading</p> <p>All vehicles using the loading dock shall enter and exit the site in a forward motion.</p>			NT	
F8	<p>All loading and unloading operations associated with the site must be carried out within the basement.</p>			NT	
F9	<p>Annual Fire Safety Certificate</p> <p>An annual Fire Safety Statement must be given to Council and the FRNSW commencing within 12 months after the date on which the initial Interim/Final Fire Safety Certificate is issued. This must ensure that the essential services installed in the building for the purpose of fire safety have been inspected and at the time of inspection are capable of operating to the required minimum standard.</p>			NT	
F10	<p>Handling of Waste</p> <p>The removal of recycled bottles and glasses must only occur between 7 am and 8 pm weekdays and 9 am and 5 pm weekends and public holidays to avoid disruption to the area.</p>			NT	

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
F11	All waste must be collected from the basement. No waste must be placed for collection in a public place e.g. footpaths, roadways and reserves under any circumstances.				NT
F12	<p>Operation of plant and equipment</p> <p>All plant and equipment used on site, or to monitor the performance of the development must be:</p> <p>a) maintained in a proper and efficient condition; and</p> <p>b) operated in a proper and efficient manner.</p>				NT
ADVISORY NOTES					
AN1	<p>APPEALS</p> <p>Applicant has the right to appeal to the Land and Environment Court in the manner set out in the EP&A Act and the EP&A Regulation.</p>	Noted			NT
AN2	<p>OTHER APPROVALS AND PERMITS</p> <p>The Applicant must apply to NSW Heritage for any approvals under the <i>Heritage Act 1977</i> (if required), and the Council for all necessary permits including crane permits, road opening permits, hoarding or scaffolding permits, footpath occupation permits and/or any other approvals under section 68 (Approvals) of the <i>Local Government Act 1993</i> or section 138 of the <i>Roads Act 1993</i>.</p>	Noted			NT
AN3	<p>RESPONSIBILITY FOR OTHER CONSENTS / AGREEMENTS</p> <p>The Applicant is solely responsible for ensuring that all additional consents and agreements are obtained from other authorities, as relevant.</p>	Noted			NT
AN4	<p>TEMPORARY STRUCTURES</p> <p>a) An approval under <i>State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007</i> must be obtained from the Authority for the erection of the temporary structures. The application must be supported by a report detailing compliance with the provisions of the BCA.</p> <p>b) Structural certification from an appropriately qualified practicing structural engineer must be submitted to the Authority with the application under <i>State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007</i> to certify the structural adequacy of the design of the temporary structures.</p>	<p>Noted:</p> <ul style="list-style-type: none"> - refer information relating to temporary structures within the assessment of the relevant CoCs above. - the auditor's position relies upon the Certifying Authority's granting of certificates and assessment of matters against the requirements of the BCA. 	C		

CoC	Requirement	Evidence and Finding	Compliance Status		
			C	NC	NT
AN5	<p>DISABILITY DISCRIMINATION ACT</p> <p>This application has been assessed in accordance with the EP&A Act. No guarantee is given that the proposal complies with the <i>Disability Discrimination Act 1992</i>. The Applicant/owner is responsible to ensure compliance with this and other anti-discrimination legislation. The <i>Disability Discrimination Act 1992</i> covers disabilities not catered for in the minimum standards called up in the BCA which references AS 1428.1 - Design for Access and Mobility. AS1428 Parts 2, 3 & 4 provides the most comprehensive technical guidance under the Disability Discrimination Act 1992 currently available in Australia.</p>	<p>Noted</p> <ul style="list-style-type: none"> - refer information relating to access and services for persons with disabilities within the assessment of the relevant CoCs above. - the auditor's position relies upon the Certifying Authority's granting of certificates and assessment of matters against the requirements of the BCA. 	C		
AN6	<p>COMMONWEALTH ENVIRONMENT PROTECTION AND BIODIVERSITY CONSERVATION ACT 1999</p> <p>a) The Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act) provides that a person must not take an action which has, will have, or is likely to have a significant impact on a matter of national environmental significance (NES) matter; or Commonwealth land, without an approval from the Commonwealth Environment Minister.</p> <p>b) This application has been assessed in accordance with the EP&A Act. The determination of this assessment has not involved any assessment of the application of the Commonwealth legislation. It is the Applicant's responsibility to consult the Department of Sustainability, Environment, Water, Population and Communities to determine the need or otherwise for Commonwealth approval and you should not construe this grant of approval as notification to you that the EPBC Act does not have application. The EPBC Act may have application and you should obtain advice about this matter. There are severe penalties for non-compliance with the Commonwealth legislation.</p>	Noted. No MNES			NT
AN7	<p>BUILDING PLAN APPROVAL</p> <p>You must have your building plans stamped and approved before any construction is commenced. Approval is needed because construction/building works may affect Sydney Water's assets (e.g. water, sewer and stormwater mains).</p> <p>For further assistance please telephone 13 20 92 or refer to the Building over or next to assets page on the Sydney Water website (see plumbing, building and developing then building over or next to assets).</p>	Sighted stamped plans.	C		

Appendix B. SSD 7944 Selected CEMP & Sub-Plans mitigation measures

REQUIREMENT	DETAILS	EVIDENCE AND FINDING	CONFORMANCE STATUS		
			C	NC	NT
CEMP					
Section 2.2	Concern for pedestrians and other access during construction - When changes to pedestrian and other access is required, appropriate warning and way-finding signage will be in place.	No changes to pedestrian access since construction commencement. Signage in place – see Photo 16 hoarding.	C		
Section 2.2	Complaints raised about construction will be effectively managed - The project Community Information line and email address will be managed by the centralised Community Development Team responsible for all of the Barangaroo South development.	One noise complaint raised during the audit period. Details included in Complaints Register, published on the project website and closed-out.	C		
Section 3	1300 Community Enquiry Line - A key channel for the community to raise issues, ask questions and speak directly to a member of the Community Development team. A 24-hour service will also be provided during construction to ensure any issues occurring outside of business hours are addressed in a prompt and timely manner. This phone number will be promoted in various collateral sent to stakeholders.	Community Enquiry Line included on site signage and project website. Line tested during the audit and found to be monitored. This number has been communicated via the following means: <ul style="list-style-type: none"> Advertised through all construction notifications that are distributed (via email & letterbox drop) to local stakeholders (example attached) Advertised by public domain statutory site signage (example attached) Also advertised online via; https://www.barangaroosouth.com.au/community/public-domain 	C		
Section 3	Project email address - Managed by the Community Development team. The email address currently in use is barangaroosouth@lendlease.com . This email address will be promoted in various collateral sent to stakeholders.	This email address is advertised via: <ul style="list-style-type: none"> This is advertised through all construction notifications that are distributed (via email & letterbox drop) to local stakeholders (example attached) Also advertised by public domain statutory site signage (example attached) Also advertised online via; https://www.barangaroosouth.com.au/community/public-domain 	C		

Section 3	Project newsletters - To provide information to the public on the Barangaroo South precinct, including construction milestones and other initiatives delivered by Lendlease. These newsletters will be produced around key initiatives or milestones achieved by the project and delivered via letterbox drop and email to registered parties.	The latest construction notification on website is dated 18 February 2019. Lendlease has advised the following: <ul style="list-style-type: none"> 18 February is the most recent notification advising of piling works. Next notification scheduled to be distributed is subject to procurement timeframes associated with tree grate replacements on Wulugul Walk. Notifications are only sent out on an as needed basis for work that is determined to be of higher impact than standard construction activities 2019 project newsletter is planned to be distributed by early December which will also provide a general update on the public domain construction among other activities occurring in the precinct. Correspondence involving letterbox drops have reduced to an as needed basis due to feedback received from a number of stakeholders about the overwhelming amount of collateral they receive each week from various projects in the area (Sydney Metro, Barangaroo South, RMS, Sydney Water etc) 	C		
Section 3	Site signage/ hoardings - To inform the visitors about the overall project. The relevant contact numbers will be displayed on the hoardings where appropriate.	Site notice included on hoarding in compliance with Condition C5 (See Photo 11).	C		
EROSION SEDIMENT CONTROL PLAN (C13 Sub-Plan)					
Section 2.5 & Appendix 6	Public Domain and Waterman's Cove Indicative Erosion and Sediment Control Diagrams – Aqua Silt boom/s in place appropriate to works stage e.g. piling – around piling works	Erosion and Sediment Control Plan, Remediation, One Sydney Harbour Basement Early Works, Public Domain and Waterman's Cove, dated 4.9.2019. Includes ersed diagrams. Aqua silt booms and drain protection in place during the inspection (Photos 1, 5 & 10).			
Section 2.5	The barges will be equipped with a spill kit	Spill kit observed on barge during inspection (Photo 14).	C		
Section 2.5	Staff trained in the use of barge spill kits	Certificate III in Maritime Operations, spill kit training included. Emergency Drill Register – Hydraulic Hose Break, dated 7.2.2019. Notes spill kit located under the crane; bunding roll to contain runoff; absorbent pads to clean up spill. Signed by project personnel and dated.	C		
Section 2.5	As the plant moves around the harbour between works areas, the silt curtain will also be moved to ensure sediment is captured	On day of inspection the silt curtain was positioned outside of the active works zone (Photo 10)	C		

Section 3	Clean areas discharging to stormwater will be inspected weekly. The inspection will assess the condition of these areas according to the criteria above, and any areas that require separate draining. If areas require cleaning or maintenance, the relevant Site Supervisor or Foreman will be requested to undertake relevant actions to make the area suitable.	EHS Weekly site inspection form, dated 22.10.2019 includes a range of environmental aspects. Actions assigned to work zones.	C		
CONSTRUCTION VESSEL TRAFFIC MANAGEMENT PLAN (C18 Sub-Plan)					
Section 10.1.4	Yellow special marker buoys with 2 NM battery powered yellow flashing lights will be deployed to mark the exclusion zone boundary, as shown below. These will be spaced at approximately 30 m intervals and held in place with 1 t biscuit moorings	Marker buoys deployed and in place during the inspection (Photo 7).	C		
Section 10.1.5	A no wash zone will be required as part of the <i>Harbour Masters Instruction</i> for both stages of the works. SMC request this is also broadcast on VHF Channel 13 as per the VTS broadcast schedule. The 'RY' No Wash flag combination will be displayed from the barge during the day time, as shown below.	The coloured flag combination on the barge flagpole shown in Photo 6 is evidence of this No Wash Flag	C		
Section 10.1.6	All divers have ADAS Diver qualifications with the Dive Supervisor qualified as an ADAS Dive Supervisor.	Subsea Works SW_SMC_OSHW_SWMS3.3_AnodeWelding. Includes list of qualifications, certifications, licences and competencies for Subsea Works project employees.	C		
Section 10.2.5	Navigation Lights and Day Shapes - The barge will display a black ball in daylight hours	The black ball on the barge flagpole shown in Photo 6 is evidence of this	C		
Section 10.2.6	The tug Master will have a Certificate of Local Knowledge for Sydney Harbour	Certificate of Local Knowledge issued by Port Authority to vessel master dated 30/11/2017 sighted			
EHS PLAN (CEMP)					
4.3	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	EHS Consultation Statement displayed on site noticeboard during inspection (Photo 4). Issue resolution flowchart also displayed.	C		
4.3.3	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	Daily Safe Start Briefing, dated 14.10.2019.	C		

4.6	Weekly inspection of Nominated Evacuation Assembly Area(s), to checked for suitability and relevance to Emergency response Procedures – EHS inspection records	Included in EHS Weekly site inspection checklist	C		
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Appendix C. LIMITATIONS

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