

Liverpool Hospital Redevelopment – New Car Park Independent Environmental Audit



Assessment of ADCO Environmental System Compliance Against the SSD 10388 Conditions of Consent

Audit Reference:	AQ1303C.01
Audit Organisation:	ADCO Constructions Pty Ltd
Auditors:	Annabelle Tungol – Lead Auditor, AQUAS Ana Maria Munoz – Auditor, AQUAS
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This report has been prepared and reviewed in accordance with our Quality control system.

This report has been prepared by:

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Date: 22/06/2021

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Date: 23/06/2021

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1. Executive Summary

This independent audit was completed to assess the compliance of Liverpool Hospital Multi-Storey Carpark (the Project) with the requirements of Development Consent SSD 10388 Condition C48 and C50. This was the first audit of the project and was conducted by AQUAS (Annabelle Tungol – Lead Auditor and Ana Maria Munoz – Auditor) on 28th April 2021. The audit covered the conditions under Schedule 3 Part A, Part B and Part C of the Development Consent SSD 10388, dated 30 November 2020.

The Project has progressed in accordance with the Staging Report that was approved by the Department of Planning, Industry and Environment (DPIE) on 22 December 2020 – Revision A.

Overall, the Project is compliant to the conditions of Development Consent SSD 10388 with the following key strengths noted:

- The carpark construction activities were carried out as per the Project programme and Stage Report with no harm to the environment.
- The Environmental Management Plan (EMP) and sub-plans have been developed and implemented during the construction works.
- Environmental inspections have been undertaken weekly using Hammertech system, with ability to add photos, assign responsibility for corrective actions and follow up until closure.
- Communication, interface group meetings, disruption notice and consultation with the Hospital, Council and stakeholders were actively undertaken.
- No incidents or complaints were reported during this audit period.
- Implementation of the following environmental mitigation measures were noted:
 - Erosion and sedimentation controls including silt fencing, use of sandbags, covering of pit drains, installation of rumble grid at the site access/egress and deployment of street sweeper;
 - Noise and vibration monitors were installed adjacent to the Brain Injury Building, real time monitoring was conducted and reports were posted on the project website;
 - Air monitors were installed around the site and dust suppression was implemented;
 - The construction site was fenced and secured with camera installed around the perimeter;
 - Traffic controls were implemented as per the Traffic Control Plans (TCP), controlled vehicle access and use of traffic controllers;
 - Waste segregation was implemented;
 - There was no mud tracking on the road; and
 - Good general housekeeping was noted.

Summary of Audit Findings

There were five non-compliances identified during this audit that need to be addressed by the proponent to attain full compliance with SSD 10388 and continually improve the environmental performance of the Project.

Non-Compliances

- **NC-01** Condition A2 (a) (c): The project was non-compliant against Condition A2 due to:
 - (a) Based on the audit findings, identifying a number of non-compliances for against the conditions of approval, condition A2 is assessed as non-compliant; and
 - (c) The mitigation measures required from the Environmental Impact Statement (EIS) were not defined in the EMP.
- **NC-02** Condition A23: Not all of the information or documents required by the condition were uploaded in the public website i.e. documents refer to in condition A2, all current statutory approvals for the development and the environmental performance report.
- **NC-03** Condition A36: The Pre-construction compliance report was not posted on website within 60 days after submitting it to the Planning Secretary.

- **NC-04** Condition C46: Written approval from DPIE for the proposed independent auditors was not received prior to the conduct of this independent audit. Refer to section 2.3 of this report.
- **NC-05** Condition C47: The Independent Audit Schedule was not submitted to the Planning Secretary and the Certifier within four weeks from the commencement of construction (9 February 2021). Audit schedule was sent on the 29 March 2021.

AQUAS noted that the proponent provided responses to the above non-compliances on 3 May 2021 prior to issue of this audit report.

In addition to the non-compliances, the auditor identified some opportunities for the continual improvement of the Project environmental performance which are detailed in Section 5.7.

2. Introduction

2.1 Background

ADCO Constructions Pty Ltd (ADCO – The Contractor) has been appointed by Health Infrastructure (The Proponent) through Johnstaff for the development of Liverpool Hospital Multi-Storey Car Park (the Project) which comprises of the following:

- Construction and operation of an eight-level multi-storey carpark;
- demolition works;
- remediation works;
- road connections; and
- landscaping.

The Proponent engaged AQUAS to undertake this first independent environmental audit, which was conducted on 28th April 2021 during the construction phase of the Liverpool Hospital Car Park project, in compliance with the following Development Consent Conditions:

Condition C50

Independent Audits of the development must be carried out in accordance with:

- (a) the Independent Audit Schedule submitted to the Planning Secretary and the Certifier under condition C47 of this consent, as amended by condition C48; and
- (b) the Independent Audit Post Approval Requirements (IAPAR DPIE 2020).

Condition C51

In accordance with the specific requirements in the Independent Audit Post Approval Requirements, the Applicant must:

- (a) review and respond separately to each Independent Audit Report prepared under condition C50 of this consent;
- (b) submit the response to the Planning Secretary and the Certifier; and
- (c) make each Independent Audit Report and response to it publicly available 60 days after submission to the Planning Secretary.

2.2 Project Details

Project Name	Liverpool Hospital Redevelopment – New Carpark
Project Application Number	SSD 10388 dated 30 November 2020
Project Address	Corner of Elizabeth & Goulburn Street, Liverpool NSW 2170
Project Phase	Construction
Project Activity Summary	<p>Key construction activities occurring onsite included:</p> <ul style="list-style-type: none"> • In-ground services trenching/installation • Northern road subgrade preparation • Concrete tower boom erection • Suspended formwork for structure and screens to Level 1

2.3 Audit Team

Details of the following AQUAS environmental auditors for this audit were submitted to the Department of Planning by the Proponent:

Name	Company	Position	Certification
Annabelle Tungol	AQUAS	Lead Environmental Auditor	Exemplar Global Lead Environmental Auditor – Certificate No. 119536
Ana Maria Munoz	AQUAS	Environmental Auditor	Exemplar Global Environmental Auditor – Certificate No. 115421

It was noted and acknowledged by AQUAS that the audit proceeded without having written approval of auditors from DPIE, given the following circumstances:

- a. The Proponent submitted request for approval of auditors on 29 March 2021, over 4 weeks prior to the intended audit date.
- b. The Proponent noted that DPIE had verbally endorsed the proposed auditors. AQUAS anticipated the written response from the DPIE would be received within 4 weeks prior to the scheduled audit date on 28 April 2021.
- c. The audit scheduled on 28 April 2021 was the latest date the Proponent had in order to meet the timeframe of 12 weeks from commencement of construction, as specified in the Independent Audit Post Approval Requirements.
- d. Based on the trust that a verbal agreement between DPIE and the Proponent that AQUAS were approved as independent auditor AQUAS proceeded with the audit to comply with the 12 weeks' initial audit timeframe. Based on previous experience AQUAS had confidence that written approval would be received within 4 weeks from the date of submission to DPIE.
- e. During the audit on 28 April 2020 the written approval had not yet been received. However, AQUAS continued to undertake the audit as resources had already been arranged and to meet the initial audit timeframe requirement for the Proponent.
In addition, AQUAS noted to the Proponent that the audit report would not be finalised until receipt of the written agreement from DPIE.
- f. The Proponent and AQUAS acknowledge non-compliance against IAPAR Clause 3.1 that the appointment of the auditor and technical experts must be agreed in writing by the Planning Secretary before each audit is conducted.

The written approval from DPIE for AQUAS as Independent Auditors was received on 19 May 2021 and copy is attached as **Appendix A**. The Independent Audit declaration forms signed by the auditors are attached as **Appendix C**.

2.4 Audit Objectives

The objective of this audit was to undertake the first independent environmental audit focused on preconstruction requirements of the condition and implementation of environmental management plans in compliance with the Development Consent Condition SSD 10388 and in accordance with the following:

- the Independent Audit Schedule submitted to the Planning Secretary and the Certifier under condition C47 of this consent, as amended by condition C48; and
- the Independent Audit Post Approval Requirements (IAPAR DPIE 2020).

2.5 Audit Scope

The scope of this audit comprised the review of the project compliance against SSD 10388 Conditions Parts A, B and C, including the following:

- Review of implementation of management plans:
 - ADCO Environmental Management Plan (EMP)
 - Construction Noise and Vibration Management Plan
 - Construction Traffic and Pedestrian Management Plan
 - Waste Management Plan
- Site inspection, as conducted on 28th April 2021;
- Review of environmental records 28 April 2021 to 4 June 2021;
- Interviews with site personnel; and
- Consultation with stakeholders.

2.6 Audit Period

This was the first independent environmental audit carried out by AQUAS on the Project, which covers the review of environmental documentation and records from commencement of the construction works to 4 June 2021.

It is noted that this report is based on the result of random sampling and supplied documentation/records provided by the auditee, as well as site activities sighted on the day of audit inspection on 28 April 2021.

3. Audit Methodology

3.1 Approval of Auditors

Letter from the Planning Secretary agreeing to the auditors is attached as **Appendix A**.

3.2 Audit scope development

AQUAS developed the audit scope and a checklist based on the Project Development Consent Requirements Application No. SSD 10388. Refer to **Appendix D** of this report.

3.3 Audit Process

3.3.1 Opening Meeting

An opening meeting was held on 28th April 2021 at 08:05 with project personnel from Johnstaff, ADCO and AQUAS, as per the Audit Attendance Sheet. Refer to **Appendix B** of this report.

Key items discussed included:

- Confirmation of the purpose and scope of the audit;
- Overview of the project and current status of the works;
- Staging of works per the Staging Report;
- Occurrence of environmental incidents and complaints; and
- Overview of the audit process in accordance with the proposed Audit Program.

3.3.2 Conduct of Audit

Audit activities included the following:

- Review of the project documentation (EMP and Sub-plans) to verify compliance with the Development Consent Conditions SSD 10388;
- Site inspection to review implementation of mitigation measures and environmental controls;
- Conduct of the audit following the checklist prepared in accordance with the Development Consent Conditions, through interviews with personnel and review of records provided as evidence of compliance;
- Preparation of identified findings and any actions noted during site inspection for discussion during closing meeting;
- Review of records provided by the Proponent and contractor after the conduct of site inspection and interview with personnel;
- Submission of draft audit report to the Proponent for their review and their response to the audit findings; and
- Submission of final report to the Proponent for their submission to DPIE and to be posted on the Project website.

3.3.3 Closing Meeting

The closing meeting was held on 28th April 2021 at 2:45pm with representatives of Johnstaff, ADCO and AQUAS. General feedback was provided and the findings of the audit were discussed during this meeting.

The AQUAS auditor acknowledged the cooperation, openness, and hospitality of ADCO staff during the conduct of this audit.

3.4 Interviewed Personnel

Name and position of persons interviewed:

Name	Organisation	Position
Kristian Anthony	ADCO	Project Manager
Stefan Chalouhi	ADCO	Project Engineer
Janice Yeom	Johnstaff	Project Engineer

3.5 Details of Site Inspection

A site walk around the construction area was conducted with focus on the following controls:

- Erosion and sedimentation controls including sediment fences.
- Site access/egress;
- Roads surrounding the site for dust/mud tracking;
- Tree protection;
- Waste management;
- Site security fence/screening;
- Traffic management;
- Noise and vibration management;
- Heritage management if any;
- Soil and water management;
- Site signage; and
- General housekeeping.

Photos taken during site inspection are included in the **Appendix E**.

3.6 Consultation

Email was sent to DPIE prior to the commencement of the audit to request feedback about the project and any focus areas to be reviewed by AQUAS during this audit. No comments were received. Refer to **Appendix F** for consultation records.

In accordance with the IAPAR document (DPIE 2020), section 3.2 only requires consultation with DPIE and they shall decide if consultation with other stakeholders is required.

3.7 Audit Compliance Status Descriptors

The following audit criteria were used for the rating of audit findings.

Status	Description
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.

4. Document Review

The following documents were reviewed and/or sighted as part of this audit:

- Environmental Management Plan Version 3.0 – 26/08/2020 and Version 4.0 – 20/2/2021
- Construction Traffic Management Plan by ATS Ref No. ATS 1739 – Revision 3, 27/01/2021
- Construction Noise and Vibration Management Plan Stage 1 Revision 3 – 04/12/2020
- Waste Management Plan Version 1 – 26/08/2020
- Driver Conduct Guide by ADCO, Version 2.0 – 08/12/2020
- DPIE email confirmation Post Approval Document Received - (SSD-10388-PA-3) – 14/01/2021 (CEMP & Sub Management Plans including CTPMSP)
- DPIE email confirmation for Construction Traffic Management Plan – 05/02/2021
- TfNSW approval for the Construction Traffic Management Plan – 12/01/2021
- Post Approval Form of CEMP & Sub Management Plans including CTPMSP – 14/01/2021
- BCA Crown Certificate CRO-21004 CC#1b by Blackett Maguire + Goldsmith – 29/01/2021
- BCA Crown Certificate CRO-21017 CC#2 by Blackett Maguire + Goldsmith – 25/03/2021
- CEMP Design Statement – 12/12/2020
- ADCO Confirmation letter to Crown Certifier for Statement of Design – Environmental (SSD 10388 Condition B13) – 21/01/2020
- Liverpool City Council CTMP recommendation letter – 13/01/2021
- TWW letter to Crown Certifier for Civil Design Certificate (Rev 02) – 08/12/2020
- Archaeological Salvage – Historic Archaeology (Conditions B25 and B26) – DPIE Approval letter – 18/02/2021
- DPIE Comments Table (Conditions B25 and B26 of SSD 10388) – 04/02/2021
- Post Approval Form for Archaeological Research Design and Excavation Methodology application – 18/01/2021
- Archaeological Research Design and Excavation Methodology (FINAL) – 05/02/2021
- Archaeological Research Design and Excavation Methodology – Heritage Council NSW Approval and recommendation letter – 29/01/2021
- SSD-10388 (Carpark) Final Development Consent – 30/11/2020
- Erosion and Sediment Control Plan LHAP-CI-TTW-DRG-CP-003001 prepared by TTW Rev.1
- Weekly site inspections recorded in Hammertech online system – 19/04/2021
- Monthly Report – 23/4/2021 for the Month of April 2021
- Fortnightly meeting with Johnstaff and HI – 15/4/2021
- LHAP Redevelopment – Construction Interface Group invites record – 27/04/2021
- CC1 #9 Remediation Works Statement by ADCO – 4/12/2020
- Internal Audit by ADCO will be conducted on – 7/5/2021
- Daily readings for Air Monitoring, results reported in Monthly Report for the past 3 Months
- Daily Noise and vibration monitoring results – 14/04/2021
- HSE Audit schedule as per the Corporate Performance Management Procedure
- Rockform Contract included SSD condition – 9/2/2021
- Notice of Commencement of Construction sent to DPIE on – 4/2/2021

5. Audit Findings

This audit was completed to assess the implementation of the EMP and environmental controls established by ADCO against the requirements of Development Consent SSD 10388. The audit confirmed that ADCO, Johnstaff and HI have implemented the approved Project Environmental Management Plan and subplans to satisfactory level.

The following table summarises the audit findings by rating category:

Findings Rating	Findings
Compliant	86
Non-Compliant	5
Not Triggered	51
Total Requirements	142

5.1 Assessment of Compliance

The audit determined that the Proponent has generally implemented the controls for environmental management within the construction activities that are currently being undertaken. The comparison of audit requirements against the compliance ratings is as follows:

SSD Requirements	Requirements	Findings
Part A – Administrative Controls	37	Compliant 22
		Non-compliant 3
		Not Triggered 12
Part B – Prior to commencement of Construction	35	Compliant 32
		Non-Compliant 0
		Not Triggered 3
Part C – During Construction Appendix 1 – Incident Notification and Reporting	57	Compliant 26
		Non-Compliant 2
		Not Triggered 29
Appendix 2 – Advisory Notes	13	Compliant 6
		Non-Compliant 0
		Not Triggered 7

5.2 Notices, Incidents and Complaints

The Proponent noted that no agency notices, orders, penalty notices or prosecutions have been issued, and no reportable environmental incidents have occurred to date.

A Complaints Register is in place where details of complaints will be recorded, including resolution reached. No complaints have been received to date. The Complaints Register is available to the public in the Project website.

5.3 Review of Previous Audit Findings

This was the initial audit for this development against SSD 10388 therefore there was no previous audit recommendation.

5.4 Audit Site Inspection

The site inspection was conducted at 8:30am on 28th April 2021. The AQUAS auditors, Johnstaff and ADCO project staff walked through the construction site, where environmental controls were observed, including:

- Site signage and site sheds;
- Fencing and hoarding were installed around the site perimeter and no graffiti was sighted;
- Erosion and sediment controls were implemented in accordance with the plan;
- Rumble grid at site gate and wheel wash was in place;
- Real-time noise and vibration monitoring was conducted;
- Dust suppression was implemented;
- Traffic signage and traffic controllers onsite;
- Security cameras were installed;
- Street sweeping was regularly conducted;
- Skip bins were available for waste segregation;
- Tree protection was implemented;
- Equipment maintenance records were up to date;
- Good housekeeping; and
- It was noted that no heritage items on site.

There were no issues raised during the site inspection. Environmental mitigation measures were implemented and maintained in good condition.

Please refer to photos of the site inspection in **Appendix E**.

5.5 Suitability of Plans and the EMS and Compliance between Actual/Predicted Impacts

The EMP and sub-plans were developed and approved by Certifying Authority in compliance with the requirements of the Development Consent 10388. However, it was noted during this audit that the mitigation measures as per the Environmental Impact Statement (EIS) were not specifically defined in the EMP and subplans. There are also few items that were identified during this audit that will trigger the update of the EMP, Noise and Vibration Management Plan (CNVMP), Waste Register and Landscape Plan.

ADCO Environmental Management System (EMS) was ISO certified and implementation of the system was demonstrated during this audit with strength on documentation and record keeping, communication processes and corrective action processes.

It is noted that no significant changes or additional impacts were noted in the actual construction works as compared to the predicted impacts of the development defined in the EIS.

5.6 Key Strengths

The project is generally compliant to the conditions of Development Consent SSD 10388 with the following key strengths noted:

- The carpark construction activities were carried out as per the project programme and Stage Report with no harm to the environment.
- The Environmental Management Plan (EMP) and sub-plans have been developed and implemented during the construction works.
- Environmental inspections have been undertaken weekly using Hammertech system, with ability to add photos, assign responsibility for corrective actions and follow up until closure.
- Communication, interface group meetings, disruption notice and consultation with the Hospital, Council and stakeholders were actively undertaken.
- No incidents or complaints were reported during this audit period.
- Implementation of the following environmental mitigation measures were noted:
 - Erosion and sedimentation controls including silt fencing, use of sandbags, covering of pit drains, installation of rumble grid at the site access/egress and deployment of street sweeper;
 - Noise and vibration monitors were installed adjacent to the Brain Injury Building, real time monitoring was conducted and reports were posted on the project website;
 - Air monitors were installed around the site and dust suppression was implemented;
 - The construction site was fenced and secured with camera installed around the perimeter;
 - Traffic controls were implemented as per the Traffic Control Plans (TCP), controlled vehicle access and use of traffic controllers;
 - Waste segregation was implemented;
 - There was no mud tracking on the road; and
 - Good general housekeeping was noted.

5.7 Audit Findings and Recommendations

The following table summarised the non-compliances identified during this audit.

Refer to the attached **Appendix D** for full details of findings including evidences of compliance.

Finding No.	Condition of Consent ID and Requirement	Audit Finding and Recommendation
Non-Compliance - 01	<p>A2. Terms of Consent</p> <p>The development may only be carried out:</p> <ul style="list-style-type: none"> a) in compliance with the conditions of this consent; b) in accordance with all written directions of the Planning Secretary; c) generally in accordance with the EIS and Response to Submissions and Amended Development Application; and d) in accordance with the approved plans 	<p>Non-compliance against this condition was raised on the following basis:</p> <ul style="list-style-type: none"> a) The audit identified non-compliances against conditions of consent A23, A36, C46 and C47. c) Reference to the Environmental Impact Statement (EIS) and mitigation measures was not included in the EMP.
Non-Compliance - 02	<p>A23. Access to Information</p> <p>At least 48 hours before the commencement of construction until the completion of all works under this consent, or such other time as agreed by the Planning Secretary, the Applicant must:</p>	<p>Not all information or documents required by this condition have been uploaded in the public website i.e.:</p> <ul style="list-style-type: none"> i) The documents refer to in condition A2 (i.e. EIS and mitigation measures)

Finding No.	Condition of Consent ID and Requirement	Audit Finding and Recommendation
	(a) make the following information and documents (as they are obtained or approved) publicly available on its website: <ul style="list-style-type: none"> (i) the documents referred to in condition A2 of this consent; (ii) all current statutory approvals for the development; (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. (b) keep such information up to date, to the satisfaction of the Planning Secretary.	ii) all current statutory approvals for the development (i.e. SSD conditions) iv) Environmental performance report *Pre-construction compliance report
Non-Compliance - 03	A36. Compliance Reporting The Applicant must make each Compliance Report publicly available 60 days after submitting it to the Planning Secretary	The Pre-construction compliance report was not posted on website 60 days after submitting it to the Planning Secretary
Non-Compliance - 04	C46. Independent Environmental Audit Proposed independent auditors must be agreed to in writing by the Planning Secretary prior to the preparation of an Independent Audit Program or commencement of an Independent Audit.	Written agreement from DPIE on the proposed independent auditors was not received prior to the conduct of the independent audit. Refer to section 2.3 of this report for more details.
Non-Compliance - 05	C47. Independent Environmental Audit Within four weeks of the commencement of construction, an Independent Audit Schedule prepared in accordance with the Independent Audit Post Approval Requirements, as amended by condition C48, must be submitted to the Planning Secretary and the Certifier.	Independent Audit Schedule was not submitted to the Planning Secretary and the Certifier within four weeks from the commencement of construction (9 February 2021). Audit schedule was sent on the 29 March 2021.

Opportunities for Improvement

In addition to the non-compliances, the auditor identified some opportunities for the continual improvement of the Project environmental performance which are detailed below:

OFI No.	Condition of Consent Description	Recommendations
Opportunity for Improvement - 01	A22. Monitoring and Environmental Audits 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 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance	It is recommended to separate the Environment Section Reporting from the WHS in the Monthly Reports and include the Environmental component in the CRG meeting minutes, as of the moment the review of environmental items is part of the WHS sections.

OFI No.	Condition of Consent Description	Recommendations
	notification, Site audit report and independent auditing.	
Opportunity for Improvement - 02	<p>B12. Construction Environmental Management Plan</p> <p>Prior to the commencement of construction, the Applicant must submit an Environmental Management Plan (EMP) to the Certifier and provide a copy to the Planning Secretary. The EMP must include, but not be limited to, the following:</p> <p>a) Details of:</p> <p>vi) external lighting in compliance with AS 4282-2019 Control of the obtrusive effects of outdoor lighting;</p>	<p>ADCO Environmental Management Plan and with their system certified with ISO 14001 generally complies with this condition. However, to ensure full compliance with the conditions of approval and maintain a good environmental performance the following items are recommended to be defined in the EMP:</p> <ul style="list-style-type: none"> ▪ Reference to the Incident Notification, Reporting and Response conditions A25, A26 and Appendix 1 of SSD 10388; ▪ Reference to Non-compliance notification A27-A29 of SSD 10388; and ▪ Note in the plan that external lighting is not applicable for this project as there is no plan for working at night and working outside approved standard hours.
Opportunity for Improvement - 03	<p>A24. 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>ADCO is compliant to this requirement as the Site Rules included a reference to the SSD which was posted on their notice board. However, there is an opportunity of improvement to discuss the SSD conditions in the site induction to ensure that all workers are aware of environmental hazards/risks as per the SSD conditions.</p>
Opportunity for Improvement - 04	<p>B14. Construction Noise and Vibration Management Sub-Plan</p> <p>The Construction Noise and Vibration Management Sub-Plan (CNVMP) must address, but not be limited to, the following:</p> <p>vii) include a program to monitor and report on the impacts and environmental performance of the development and the effectiveness of the management measures in accordance with condition B14(d).</p>	<p>ADCO installed a real time noise and vibration monitors adjacent to the Brain Injury building and have been implementing the monitoring program and reporting of the noise on a monthly basis.</p> <p>However, this process for noise monitoring needs to be defined in the CNVMP.</p>
Opportunity for Improvement - 05	<p>B15. Construction Waste Management Sub-Plan</p> <p>The Construction Waste Management Sub-Plan (CWMSP) must address, but not be limited to, the following:</p> <p>(a) detail the quantities of each waste type generated during construction and the proposed reuse, recycling and disposal locations</p>	<p>Waste Register was developed and being completed to date with type of waste, volume, disposal facility, disposal dockets and records were kept. The waste facility license was also checked by the engineers prior to disposal.</p> <p>However, an opportunity for improvement to include a column for the EPA License of the waste facility in the waste register to ensure that the materials are always disposed of to a license facility.</p>
Opportunity for Improvement -	B27. Landscaping	The current Landscape Plan was reviewed during this audit and only included 64 trees.

OFI No.	Condition of Consent Description	Recommendations
06	<p>Prior to the commencement of construction, the Applicant must prepare a revised Landscape Plan to manage the revegetation and landscaping works on-site. The plan must:</p> <p>(a) provide for the planting of 81 trees.</p>	<p>The condition is asking for 81 trees. Since this work will commence as part of the Stage 2 as defined in the Staging Report, therefore the commencement of construction will follow the Staging Report commencement of Stage 2. There is an opportunity for ADCO to revise the plan to include the 81 trees to be planted in order to be compliant to this condition.</p>

Appendix A. Auditors Approval



Planning,
Industry &
Environment

Ms Claire Muir
Senior Planning Advisor

NSW Health Infrastructure
PO Box 1060
North Sydney NSW 2059

19/05/2021

Dear Ms Muir

**Liverpool Hospital Carpark (SSD-10388)
Independent Environmental Auditors and Audit Schedule**

I refer to your submission (SSI-10388-PA-9) nominating Ms Annabelle Tungol, Mr Luis Garzon and Ms Ana Maria Munoz of AQUAS Pty Ltd as suitably qualified, experienced and independent persons to undertake the independent environmental audit and submitting the independent audit schedule in accordance with Conditions C46 and C47, Schedule 2, Part C of SSI 10388 (Approval) for the Liverpool Hospital Multi-storey Carpark (Project).

The NSW Department of Planning, Industry and Environment (Department) has reviewed the nomination and information you have provided and is satisfied that Ms Annabelle Tungol, Mr Luis Garzon and Ms Ana Maria Munoz are suitably qualified, experienced and independent.

Therefore, in accordance with Condition C46, Schedule 2, Part C of the Approval, the Secretary endorses the appointment of the following auditors:

- Ms Annabelle Tungol, AQUAS Pty Ltd
- Mr Luis Garzon, AQUAS Pty Ltd
- Ms Ana Maria Munoz, AQUAS Pty Ltd

Please ensure this correspondence is appended to the Independent Environmental Audit Report.

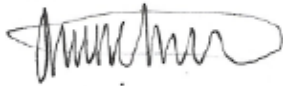
The independent environmental audit must be prepared, undertaken and finalised in accordance with Conditions C50 and C51, Schedule 2, Part C of the Approval.

The Department reserves the right to request an alternate auditor or audit team for any future audits.

Notwithstanding the endorsement for the above listed auditors for this Project, each respective project approval or consent requires a request for the agreement to the auditor or audit team be submitted to the Department, for consideration of the Secretary. Each request is reviewed and depending on the complexity of future projects, the suitability of a proposed auditor or audit team will be considered.

If you wish to discuss the matter further, please contact Ms Alex McGuirk, Senior Compliance Officer.


Yours sincerely

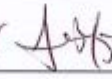
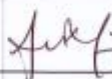




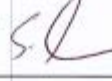



A handwritten signature in black ink, appearing to read "Thomas Minchin", enclosed within a thin, hand-drawn oval.

Thomas Minchin
Senior Compliance Officer
Compliance

As nominee of the Planning Secretary

Appendix B. Audit Attendance Sheet

AUDIT ATTENDANCE SHEET				
PROJECT: Liverpool Hospital Redevelopment Carpark		AUDIT No.: AQ1303-01C		
AUDITEE: ADCO, Johnstaff		LEAD AUDITOR: Annabelle Turgol		
MEETING LOCATION: Liverpool Hospital site office				
OPENING MEETING DATE AND TIME: 28/04/2021		8:05am		
CLOSING MEETING DATE AND TIME: 28/04/2021		2:45pm		

NAME	ORGANISATION	POSITION	SIGNATURE	
			OPENING MEETING	CLOSING MEETING
Ana Maria Perez	AQUAS	Environmental Auditor		
Annabelle Turgol	AQUAS	Auditor		
Kristian Anthony	ADCO	Project Manager		
Stefan Chabahi	ADCO	Project Engineer		
Janice Yeom	Johnstaff	Project Engineer		

Date: 04.06.14 F-02 Audit Attendance Sheet Rev.1.docx Page: 1 of 1
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Appendix C. Independent Audit Declaration Forms

Declaration of Independence Form

Independent Audit Report Declaration Form

Project Name:	Hospital Multi-Storey Car Park
Consent Number:	SSI-10388
Description of Project:	The Project involves the construction and operation of an 8-level carpark at Liverpool Hospital comprising of an at-grade carpark, demolition works, remediation works, road connections and landscaping.
Project Address:	Liverpool Hospital, Liverpool NSW 2170
Proponent:	Health Infrastructure NSW: Johnstaff Projects
Title of the Audit:	Independent Environmental Audit (No.1)
Date:	4 June 2021


I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:

- i. the audit has been undertaken in accordance with relevant condition(s) of consent and the Independent Audit Compliance Requirements (*Department 2019*);
- ii. the findings of the audit are reported truthfully, accurately and completely;
- iii. I have exercised due diligence and professional judgement in conducting the audit;
- iv. I have acted professionally, objectively and in an unbiased manner;
- v. I am not related to any proponent, owner, operator or other entity involved in the delivery of the project. Such a relationship includes that of employer/employee, a business partnership, sharing a common employer, a contractual arrangement outside an Independent Audit, or that of a spouse, partner, sibling, parent, or child;
- vi. I do not have any pecuniary interest in the project, proponent or related entities. Such an interest includes where there is a reasonable likelihood or expectation of financial gain (other than being reimbursed for performing the audit) or loss to the auditor, or their spouse, partner, sibling, parent, or child;
- vii. neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and
- viii. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

- a) Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- b) The *Crimes Act 1900* contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both)

Name of the Auditor: Annabelle Tungol

Signature: 

Qualification: Lead Environmental Auditor

Company: AQUAS Pty Ltd

Company Address: Level 7, 116 Miller Street, North Sydney NSW 2060

Declaration of Independence Form

Independent Audit Report Declaration Form

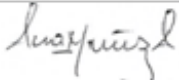
Project Name:	Hospital Multi-Storey Car Park
Consent Number:	SSI-10388
Description of Project:	The Project involves the construction and operation of an 8-level carpark at Liverpool Hospital comprising of an at-grade carpark, demolition works, remediation works, road connections and landscaping.
Project Address:	Liverpool Hospital, Liverpool NSW 2170
Proponent:	Health Infrastructure NSW: Johnstaff Projects
Title of the Audit:	Independent Environmental Audit (No.1)
Date:	4 June 2021

I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:

- i. the audit has been undertaken in accordance with relevant condition(s) of consent and the Independent Audit Compliance Requirements (*Department 2019*);
- ii. the findings of the audit are reported truthfully, accurately and completely;
- iii. I have exercised due diligence and professional judgement in conducting the audit;
- iv. I have acted professionally, objectively and in an unbiased manner;
- v. I am not related to any proponent, owner, operator or other entity involved in the delivery of the project. Such a relationship includes that of employer/employee, a business partnership, sharing a common employer, a contractual arrangement outside an Independent Audit, or that of a spouse, partner, sibling, parent, or child;
- vi. I do not have any pecuniary interest in the project, proponent or related entities. Such an interest includes where there is a reasonable likelihood or expectation of financial gain (other than being reimbursed for performing the audit) or loss to the auditor, or their spouse, partner, sibling, parent, or child;
- vii. neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and
- viii. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

- a) Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- b) The *Crimes Act 1900* contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both).

Name of the Auditor:	Ana Maria Munoz
Signature:	
Qualification:	Environmental Auditor
Company:	AQUAS Pty Ltd
Company Address:	Level 7, 116 Miller Street, North Sydney NSW 2060

Appendix D. Audit Checklist and Audit Findings

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
Part	A	ADMINISTRATIVE CONDITIONS				
1.	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>	<p>There was no material harm reported and good environmental controls onsite were sighted as follows:</p> <ul style="list-style-type: none"> - Air monitors were installed around the site; - Noise and vibration monitors were installed adjacent to the Brain Injury Building; - Erosion and sedimentation controls were implemented - Dust suppression was implemented; - Traffic controls were implemented as per the TCP; - Security cameras installed; and - Fencing and hoarding were installed around the perimeter. <p>Weekly site inspections were conducted; sighted records for 19//04/2021 to 25/04/2021 identifying safety issues (23 observations made), no environmental issues raised by the Site Manager. Inspections are recorded in the Hammertech system.</p> <p>A post rain site inspection was completed on the 24/3/2021 with no slit or mud on walkways and roadways, all water was contained in the site and evaporated.</p>		Compliant
2.	A	A2	<p>Terms of Consent</p> <p>The development may only be carried out:</p> <ol style="list-style-type: none"> a) in compliance with the conditions of this consent; b) in accordance with all written directions of the Planning Secretary; c) generally in accordance with the EIS and Response to Submissions and Amended Development Application; and d) in accordance with the approved plans from Fitzpatrick + Partners (Architectural drawings) and Clouston Associates (Landscape drawings). 	<ol style="list-style-type: none"> a) A number of non-compliances were raised under part A and Part C. b) SSD 10388 was granted on 30/11/2020 and all architectural and landscape drawings were stamped by DPIE on the 30/11/2020. c) The EMP version 4.0 dated 20/2/2021 did not include a reference to the EIS and mitigation measures. d) Approved Architectural and Landscape drawings submitted to DPIE and sighted in the website: https://www.planningportal.nsw.gov.au/major-projects/project/25756 	<p>Non-compliance NC-01:</p> <p>A non-compliance against condition A2 (a & c) was raised based on the following:</p> <ul style="list-style-type: none"> - number of identified non-compliant conditions raised during this audit. - The EMP did not include a reference to the Environmental Impact Statement (EIS) and mitigation measures. 	Non-Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not triggered

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
3.	A	A3	<p>Consistent with the requirements in this consent, the Planning 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 Planning Secretary;</p> <p>(b) any reports, reviews or audits commissioned by the Planning Secretary regarding compliance with this approval; and</p> <p>(c) the implementation of any actions or measures contained in any such document referred to in (a) above.</p>	No new directions from DPIE have been received. No modifications on the SSD conditions have been requested. Approval for Archaeological Salvage was received on the 18/2/2021.		Not Triggered
4.	A	A4	The conditions of this consent and directions of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document listed in condition A2(c). In the event of an inconsistency, ambiguity or conflict between any of the documents listed in condition A2(c), the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.	No inconsistencies, ambiguity or conflict have been identified.		Not Triggered
5.	A	A5	<p>Limits of Consent</p> <p>This consent lapses five years after the date of consent unless work is physically commenced.</p>	Project completion will be within 15 months; it is estimated the project to be finished by May 2022.		Compliant
6.	A	A6	<p>Prescribed Conditions</p> <p>The Applicant must comply with all relevant prescribed conditions of development consent under Part 6, Division 8A of the EP&A Regulation.</p>	Compliance with BCA and signage requirements. Sighted Construction Certificate CRO-21004 (CC#1b) dated 29/01/2021 has been issued by Blackett Maguire + Goldsmith (BMG).		Compliant
7.	A	A7	<p>Planning Secretary as Moderator</p> <p>In the event of a dispute between the Applicant and a public authority, in relation to an applicable requirement in this approval or relevant matter relating to the Development, either party may refer the matter to the Planning Secretary for resolution. The Planning Secretary's resolution of the matter must be binding on the parties.</p>	No disputes between the Applicant and a public authority had occurred to the date of the audit.		Not Triggered
8.	A	A8	<p>Evidence of Consultation</p> <p>Where conditions of this consent require consultation with an identified party, the Applicant must:</p>	<p>The following consultation records were sighted:</p> <ul style="list-style-type: none"> - Email sent to 13/01/2021 to the Liverpool City Council regarding comments on the CTMP. 		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not triggered

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
			(a) consult with the relevant party prior to submitting the subject document for information or approval; and (b) provide details of the consultation undertaken including: (i) the outcome of that consultation, matters resolved and unresolved; and (ii) details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.	<ul style="list-style-type: none"> - Construction Interface Group meeting (weekly) sighted minutes on the 27/4/2021 No.67 with ADCO, Johnstaff, HI, Hospital Representatives and other builders in the area talking about disruption notices, construction works, etc. - Fortnight meetings with ADCO, Johnstaff and HI sighted meeting #3 dated 15/4/2021 including environmental matters. 		
9.	A	A9	Staging The project may be constructed and operated in stages. Where compliance with conditions is required to be staged due to staged construction or operation, a Staging Report (for either or both construction and operation as the case may be) must be prepared and submitted to the satisfaction of the Planning Secretary. The Staging Report must be submitted to the Planning Secretary no later than one month before the commencement of construction of the first of the proposed stages of construction (or if only staged operation is proposed, one month before the commencement of operation of the first of the proposed stages of operation).	Staging report was prepared by Wolfpeak on the 22/12/2020 (Rev. A) and 15/01/2021 (Rev. B). Report was submitted to DPIE on the 15/01/2021. Construction commenced on the 9/2/2021. Staging Report dated 22/01/2021 (Rev. D) was approved by DPIE on the 18/2/2021.		Compliant
10.	A	A10	A Staging Report prepared in accordance with condition A9 must: (a) if staged construction is proposed, set out how the construction of the whole of the project will be staged, including details of work and other activities to be carried out in each stage and the general timing of when construction of each stage will commence and finish; (b) if staged operation is proposed, set out how the operation of the whole of the project will be staged, including details of work and other activities to be carried out in each stage and the general timing of when operation of each stage will commence and finish (if relevant); (c) specify how compliance with conditions will be achieved across and between each of the stages of the project; and (d) set out mechanisms for managing any cumulative impacts arising from the proposed staging.	Staging report include in Section 2 a table that indicates the stage, the stage activities, an indicative commencement dates and indicative completion dates. Stage 1 (current works – split in two CC), Stage 2 demolition, Stage 3 operations, remaining works (outside of this scope). Additionally, Appendix A includes a staging matrix for relevant Part A and Part B conditions. <ul style="list-style-type: none"> a) Included in table 2 b) Included in table – this will be during Stage 3 c) Appendix A d) Section 5 		Compliant

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
11.	A	A11	Where a Staging Report is required, the project must be staged in accordance with the Staging Report, as approved by the Planning Secretary.	Staging Report dated 22/01/2021 (Rev. D) was approved by DPIE on the 18/2/2021.		Compliant
12.	A	A12	Where construction or operation is being staged in accordance with a Staging Report, the terms of this consent that apply or are relevant to the works or activities to be carried out in a specific stage must be complied with at the relevant time for that stage as identified in the Staging Report.	Construction is carried out in accordance with the Staging Report dated 22/01/2021 (Rev. D); approved by DPIE on the 18/2/2021.		Compliant
13.	A	A13	<p>Staging, Combining and Updating Strategies, Plans or Programs</p> <p>The Applicant may:</p> <ul style="list-style-type: none"> (a) prepare and submit any strategy, plan (including management plan, architectural or design plan) or program required by this consent on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the strategy, plan (including management plan, architectural or design plan) or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan (including management plan, architectural or design plan) or program); (b) combine any strategy, plan (including management plan, architectural or design plan), or program required by this consent (if a clear relationship is demonstrated between the strategies, plans (including management plan, architectural or design plan) or programs that are proposed to be combined); and (c) update any strategy, plan (including management plan, architectural or design plan), or program required by this consent (to ensure the strategies, plans (including management plan, architectural or design plan), or programs required under this consent are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development). 	<p>Staging Report for the project was sighted. Report was developed by Wolfpeak 15/01/2021 (Rev. B) and approved by DPIE on the 15/01/2021.</p> <p>A revised Staging Report was submitted to DPIE on 22/01/2021 (Rev. D) and was approved by DPIE on the 18/02/2021.</p>		Compliant
14.	A	A14	Any strategy, plan or program prepared in accordance with condition A13, where previously approved by the Planning	Staging Report (Rev. B to Rev D) had been sent to DPIE for approval.		Compliant

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
			Secretary under this consent, must be submitted to the satisfaction of the Planning Secretary.			
15.	A	A15	If the Planning Secretary agrees, a strategy, plan (including management plan, architectural or design plan), or program may be staged or updated without consultation being undertaken with all parties required to be consulted in the relevant condition in this consent.	Staging Report has been developed in consultation with HI and DPIE.		Compliant
16.	A	A16	Updated strategies, plans (including management plan, architectural or design plan), or programs supersede the previous versions of them and must be implemented in accordance with the condition that requires the strategy, plan, program or drawing.	Latest revision of the Staging Report (Rev. D – 22/01/2021) is implemented.		Compliant
17.	A	A17	Structural Adequacy All new buildings and structures, and any alterations or additions to existing buildings and structures, that are part of the development, must be constructed in accordance with the relevant requirements of the BCA. <i>Notes: Part 8 of the EP&A Regulation sets out the requirements for the certification of the development</i>	Construction Certificates CRO-21004 (CC#1b) dated 29/01/2021 and CRO-21017 (CC#2) dated 25/03/2021 were issued by Blackett Maguire + Goldsmith (BMG) and included compliance with BCA requirements.		Compliant
18.	A	A18	External Walls and Cladding The external walls of all buildings including additions to existing buildings must comply with the relevant requirements of the BCA.	Sighted: External Wall Design Statement from Fitzpatrick & Partners PL dated 23/02/202. Statement is included in the CRO-21017 (CC#2) dated 25/03/2021 from BMG item #71.		Compliant
19.	A	A19	Site Contamination Remediation approved as part of this development consent must be carried out in accordance with the <i>Remediation Action Plan (RAP)</i> , dated 30 April 2020, prepared by JKEvironments, or any updated RAP, prepared by a Certified Contaminated Land Consultant.	Presented Remediation Works Statement dated 4/12/2020 by ADCO. Statement is included in the CRO-21017 (CC#2) dated 25/03/2021 from BMG item #9.		Compliant
20.	A	A20	Applicability of Guidelines 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.	Guidelines such as BCA and Australian Standards requirements are included in the Design and BCA Certificates.		Compliant
21.	A	A21	Consistent with the conditions of this consent and without altering any limits or criteria in this consent, the Planning Secretary may, when issuing directions under this consent in respect of ongoing	No directions received from the Planning Secretary regarding updated or revised versions.		Not Triggered

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not triggered

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
			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.			
22.	A	A22	<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 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification, Site audit report and independent auditing.</p> <p><i>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.</i></p>	<p>Internal audit by ADCO was scheduled for 7/5/2021. HSE Audit schedule as per the Corporate Performance Management Procedure, each project audited twice throughout project delivery included audit topics HSE.</p> <p>Air Monitoring Results daily readings are reported in Monthly Report. Results showed zero for the past 3 Months.</p> <p>Noise and vibration monitoring results re done daily and reported fortnightly 14/04/2021 results are compliant.</p> <p>Monthly report for 23/04/2021 for April was sighted.</p> <p>Monthly Reports to have a separate Environment Section Reporting and include the Environmental component in the CRG meeting minutes.</p>	<p>Opportunity for Improvement – OFI-01:</p> <p>Recommended to separate the Environment Section Reporting from the WHS in the Monthly Reports and include the Environmental component in the CRG meeting minutes, as at the moment the review of environmental items is part of the WHS sections.</p>	Compliant OFI-01
23.	A	A23	<p>Access to Information</p> <p>At least 48 hours before the commencement of construction until the completion of all works under this consent, or such other time as agreed by the Planning Secretary, the Applicant must:</p> <p>(a) make the following information and documents (as they are obtained or approved) publicly available on its website:</p> <ol style="list-style-type: none"> the documents referred to in condition A2 of this consent; the documents referred to in condition A2 of this consent; all current statutory approvals for the development; all approved strategies, plans and programs required under the conditions of this consent; 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; a comprehensive summary of the monitoring results of the development, reported in accordance with the 	<p>Website for the project has been set-up in the Health Infrastructure / Liverpool Hospital:</p> <p>https://www.hinfra.health.nsw.gov.au/our-projects/project-search/liverpool-health-and-academic-precinct?viewmode=0</p> <p>The following items were not found in the project website from HI indicating that website was not up to date:</p> <ol style="list-style-type: none"> EIS was not included in the website Current statutory approvals for the development 9SSD conditions) not included in the website. <p>Note: A link to the planning website can be made to cover these two items:</p> <p>https://www.planningportal.nsw.gov.au/major-projects/project/25756</p> <ol style="list-style-type: none"> Environmental performance reports <p>Items iii), v), vi), vii), viii), ix) and x) were sighted in the HI website.</p>	<p>Non-compliance NC-02:</p> <p>Not all information or documents required by this condition have been uploaded in the public website i.e.:</p> <ol style="list-style-type: none"> The documents refer to in condition A2 (i.e. EIS) all current statutory approvals for the development (i.e. SSD conditions) Environmental performance report <p>*Pre-construction compliance report</p>	Non-Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not triggered

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
			<p>specifications in any conditions of this consent, or any approved plans and programs;</p> <p>vii) a summary of the current stage and progress of the development;</p> <p>viii) contact details to enquire about the development or to make a complaint;</p> <p>ix) a complaints register, updated monthly;</p> <p>x) audit reports prepared as part of any independent audit of the development and the Applicant's response to the recommendations in any audit report;</p> <p>xi) any other matter required by the Planning Secretary; and</p> <p>(b) keep such information up to date, to the satisfaction of the Planning Secretary.</p>			
24.	A	A24	<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>Conditions of Approval is included in the subcontractors contracts. Sighted email sent on the 5/3/2021 from ADCO to Traino Group - Concreter contractor Ref. No. ADCO CONTRANSNIT-000132. Also, email sent 9/2/2021 to Rockform contractor re-issuing some documents, which included a copy of the SSD.</p> <p>Presented site safety rules including environmental management controls which was posted on their notice board. However, it is suggested to include reference to the SSD in the general environmental matters/rules.</p>	<p>Opportunity for Improvement – OFI-02:</p> <p>There is an opportunity for improvement to discuss the SSD conditions in the site induction to ensure that all workers are aware of environmental hazards/risks as per the SSD conditions.</p>	Compliant OFI-02
25.	A	A25	<p>Incident Notification, Reporting and Response</p> <p>The Planning Secretary must be notified through the major projects portal 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>No incidents, therefore, no incidents notification required. Process for incident notification to the DPIE to be included in the EMP, refer to condition B12.</p>		Not Triggered
26.	A	A26	<p>Subsequent notification must be given and reports submitted in accordance with the requirements set out in Appendix 1.</p>	<p>No incidents.</p>		Not Triggered
27.	A	A27	<p>Non-Compliance Notification</p> <p>The Planning Secretary must be notified through the major projects portal within seven days after the Applicant becomes aware of any non-compliance. The Certifier must also notify the</p>	<p>No non-compliances. Process for non-compliance notification to the DPIE to be included in the EMP, refer to condition B12.</p>		Not Triggered

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not triggered

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
			Planning Secretary through the major projects portal within seven days after they identify any non-compliance.			
28.	A	A28	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.	No non-compliances raised.		Not Triggered
29.	A	A29	A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.	Noted.		Not Triggered
30.	A	A30	<p>Revision of Strategies, Plans and Programs</p> <p>Within three months of:</p> <ul style="list-style-type: none"> (a) the submission of a compliance report under condition A35; (b) the submission of an incident report under condition A26; (c) the submission of an Independent Audit under condition C52; (d) the approval of any modification of the conditions of this consent; or (e) the issue of a direction of the Planning Secretary under condition A2 which requires a review, <p>the strategies, plans and programs required under this consent must be reviewed, and the Planning Secretary and the Certifier must be notified in writing that a review is being carried out.</p>	<p>Not revisions of plans and programs have been required so far or triggered by this condition.</p> <p>Note: Proponent to notify Certifying Authority (BMG) and DPIE that the EMP will be updated as a result of this audit.</p>		Not Triggered
31.	A	A31	<p>If necessary to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans, programs or drawings required under this consent must be revised, to the satisfaction of the Planning Secretary or Certifier (where previously approved by the Certifier). Where revisions are required, the revised document must be submitted to the Planning Secretary and / or Certifier for approval and / or information (where relevant) 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>	No improvements to the environmental performance have been required.		Not Triggered

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32.	A	A32	<p>Compliance Reporting</p> <p>No later than 48 hours prior to the commencement of construction, a Compliance Monitoring and Reporting Schedule prepared in accordance with the Compliance Reporting Post Approval Requirements, as amended by condition A33, must be submitted to the Planning Secretary and the Certifier.</p>	<p>Pre-construction compliance report (version 1) was prepared on the 2/1/2021 by ADCO. Report was submitted to DPIE on the 14/1/2021 by HI and approved on the 2/2/2020.</p> <p>Report was submitted to BMG on the 5/2/2021.</p>		Compliant
33.	A	A33	<p>Table 1 of the Compliance Reporting Post Approval Requirements is amended so that the Compliance Monitoring and Reporting Schedule, minimum frequency of Compliance Reports required is:</p> <ul style="list-style-type: none"> (a) a Pre-Construction Compliance Report must be submitted to the Planning Secretary prior to commencement of construction; (b) a Pre-Operational Compliance Report must be submitted to the Planning Secretary prior to commencement of operation and/or use; and (c) Operation Compliance Reports are required for the duration of operation and must be submitted to the Planning Secretary at intervals, no greater than 52 weeks from the commencement of operation or as otherwise by the Planning Secretary. 	<p>Pre-construction compliance report (version 1) was prepared on the 2/1/2021 by ADCO and approved by DPIE on the 2/2/2020.</p>		Compliant
34.	A	A34	<p>Compliance Reports of the development must be prepared in accordance with the Compliance Reporting Post Approval Requirements.</p>	<p>Compliance Report was prepared by ADCO in accordance with CRPAR and was approved by DPIE on 2/2/2021.</p>		Compliant
35.	A	A35	<p>Compliance Reports of the development must be submitted to the Planning Secretary in accordance with timing outlined in the Compliance Monitoring and Reporting Schedule.</p>	<p>Compliance Report was submitted to DPIE on 14/1/2021 which is before the construction started (9/2/2021).</p>		Compliant
36.	A	A36	<p>The Applicant must make each Compliance Report publicly available 60 days after submitting it to the Planning Secretary.</p>	<p>Pre-construction compliance Report was not posted in project website from HI.</p>	<p>Non-compliance NC-03: The Pre-construction compliance report was not posted in website 60 days after submitting it to the Planning Secretary.</p>	Non-Compliant
37.	A	A37	<p>Notwithstanding the requirements of the Compliance Reporting Post Approval Requirements, the Planning Secretary may approve a request for ongoing annual operation Compliance Reports to be ceased, where it has been demonstrated to the Planning</p>	<p>Planning has not requested the ongoing annual operation Compliance Reports to be ceased.</p>		Not Triggered

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			Secretary's satisfaction that consistent operational compliance has been achieved.			
PART B PRIOR TO COMMENCEMENT OF CONSTRUCTION						
38.	B	B1	Notification of Commencement The Applicant must notify the Planning Secretary in writing of the dates of the intended commencement of construction and operation at least 48 hours before those dates.	Notification of commencement of construction was provided to DPIE on the 4/2/2021. Construction started on the 9/2/2021.		Compliant
39.	B	B2	If the construction or operation of the development is to be staged, the Planning Secretary 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.	Notification of commencement was provided to DPIE on the 4/2/2021 (Stage 1). Construction started on the 9/2/2021.		Compliant
40.	B	B3	Certified Drawings Prior to the commencement of construction, the Applicant must submit to the satisfaction of the Certifier relevant structural drawings prepared and signed by a suitably qualified practising Structural Engineer that demonstrates compliance with this development consent.	Construction Certificates CRO-21004 (CC#1b) dated 29/01/2021 and CRO-21017 (CC#2) dated 25/03/2021 issued by BMG included copy of Structural Design Certificate dated 14/12/2020 and the Structural Drawings dated 20/11/2020 prepared by Taylor Thomson Whiting (NSW) PL.		Compliant
41.	B	B4	External Walls and Cladding Prior to the commencement of construction of the façade, the Applicant must provide the Certifier with documented evidence that the products and systems proposed for use or used in the construction of external walls, including finishes and claddings such as synthetic or aluminium composite panels, comply with the requirements of the BCA. The Applicant must provide a copy of the documentation given to the Certifier to the Planning Secretary within seven days after the Certifier accepts it.	External Wall Design Statement from Fitzpatrick & Partners PL dated 23/02/202. Statement is included in the CRO-21017 (CC#2) dated 25/03/2021 from BMG item #71.		Compliant
42.	B	B5	Protection of Public Infrastructure (a) Prior to the commencement of construction, the Applicant must: consult with the relevant owner and provider of services that are likely to be affected by the development to make suitable arrangements for access to, diversion, protection and support of the affected infrastructure;	Dilapidation report (10/12/2020) was prepared by Taylor Thomson Whiting (TTW). Included in the CC#1 item 21. Report was sent to Liverpool City Council, DPIE and HI on the 11/12/2020.		Compliant

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			<p>(b) prepare a dilapidation report identifying the condition of all public infrastructure in the vicinity of the site (including roads, gutters and footpaths); and</p> <p>(c) submit a copy of the dilapidation report to the Planning Secretary, Certifier and Council.</p>			
43.	B	B6	<p>Pre-Construction Dilapidation Report</p> <p>Prior to the commencement of construction, the Applicant must submit a pre-commencement dilapidation report to Council and the Certifier. The report must provide an accurate record of the existing condition of adjoining private properties and Council assets that are likely to be impacted by the proposed works.</p>	Dilapidation report (10/12/2020) from TTW was sent to Liverpool City Council on the 11/12/2020 and submitted to the Certifier on 11/12/2020.		Compliant
44.	B	B7	<p>Outdoor Lighting</p> <p>Prior to commencement of lighting installation, evidence must be submitted to the satisfaction of the Certifier that all outdoor lighting within the site has been designed to comply with AS 1158.3.1:2005 Lighting for roads and public spaces – Pedestrian area (Category P) lighting – Performance and design requirements and AS 4282-2019 Control of the obtrusive effects of outdoor lighting.</p>	Certificate of Design – Electrical dated 26/2/2021 from Stantec was sent to the BMG. Included in the CC#2 item 89. Reference to the AS was sighted in the certificate.		Compliant
45.	B	B8	<p>Demolition</p> <p>Prior to the commencement of construction, demolition work plans required by AS 2601-2001 <i>The demolition of structures</i> (Standards Australia, 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 must be submitted to the Certifier.</p>	Certification of demolition works from Jeffsann Excavations Pty dated 4/12/2020 was sent to BMG. Included in CC#1 item 24.		Compliant
46.	B	B9	<p>Site Contamination</p> <p>Prior to the commencement of construction, except demolition works, further post-demolition validation investigation outlined in <i>Remediation Action Plan</i> (RAP), dated 30 April 2020, prepared by JKEnvironments, must be conducted to determine the full nature and extent of the contamination at the project area after demolition works. The post-demolition validation investigation(s) must be undertaken, and the subsequent report(s), must be prepared in accordance with relevant guidelines and prepared by a Certified Contaminated Land</p>	<p>This is not applicable for ADCO contract.</p> <p>Note: Sighted Certificate of Design - Geotechnical which was provided by ADCO to the BMG on the 4/12/2020. Included in CC#1 item 17. Letter from JK Environments to ADCO 14/01/2021 indicating that they act in the capacity of the contamination validation consultant.</p>		Not Triggered

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47.	B	B10	The <i>Remediation Action Plan</i> (RAP), dated 30 April 2020, prepared by JKEvironments, must be updated following results of the post-demolition validation investigation(s) by a Certified Contaminated Land Consultant.	This is not applicable for ADCO contract.		Not Triggered
48.	B	B11	<p>Environmental Management Plan Requirements</p> <p>Management plans required under this consent must be prepared in accordance with relevant guidelines, including but not limited to the Environmental Management Plan Guideline: Guideline for Infrastructure Projects (DPIE April 2020).</p> <p><i>Note: The Environmental Management Plan Guideline is available on the Planning Portal at: https://www.planningportal.nsw.gov.au/majorprojects/assessment/post-approval</i></p> <p><i>Note: The Planning Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans</i></p>	<p>EMP requirements are detailed in 'Reference Legislation' section of EMP page 100.</p> <p>ADCO EMS has been certified to the ISO 14001:2015 EMS604987, certification runs until 30/6/2023. Surveillance audit by BSI will be conducted in this project on the 10/5/2021.</p>		Compliant
49.	B	B12	<p>Construction Environmental Management Plan</p> <p>Prior to the commencement of construction, the Applicant must submit a Construction Environmental Management Plan (CEMP) to the Certifier and provide a copy to the Planning Secretary. The CEMP must include, but not be limited to, the following:</p> <p>(a) Details of:</p> <ul style="list-style-type: none"> (i) hours of work; (ii) (24-hour contact details of site manager; (iii) management of dust and odour to protect the amenity of the neighbourhood; (iv) stormwater control and discharge; (v) measures to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the site; (vi) external lighting in compliance with AS 4282-2019 Control of the obtrusive effects of outdoor lighting; (vii) community consultation and complaints handling; <p>(b) Construction Traffic and Pedestrian Management Sub-Plan (see condition B13);</p>	<p>(a) EMP was reviewed as follows:</p> <ul style="list-style-type: none"> (i) Detailed under Work Hours (Mon-Fri 0700-1800) (Sat 0800-1300). (ii) Detailed Under Principal's Contractors Details. (iii) Detailed under Air Quality and Dust (iv) Detailed in Erosion and Sediment Control Plan LHAP-CI-TTW-DRG-CP-003014/003030/003031 Issue 6 (under notes Section). (v) Detailed under Sediment Control and Water Quality. (vi) Not works conducted during night time. However, EMP needs to be updated to reflect that. (vii) Detailed under complaints management. <p>(b) Detailed in Traffic management/ movement & Section 3, 4 of the CTPMSP.</p> <p>(c) Detailed under Noise and Vibration.</p> <p>(d) Detailed under Waste.</p> <p>(e) Detailed under Cultural Heritage - Archaeological artefacts, Unexpected finds.</p> <p>(f) Detailed under Hazardous Substances and Dangerous Goods</p>	<p>Opportunity for Improvement – OFI-03:</p> <p>The following items are recommended to be defined in the EMP:</p> <ul style="list-style-type: none"> - Reference to the Environmental Impact Statement (EIS) and mitigation measures; - Reference to the Incident Notification, Reporting and Response conditions A25, A26 and Appendix 1 of SSD 10388; - Reference to Non-compliance notification A27-A29 of SSD 10388; and - Note in the plan that external lighting is not 	Compliant OFI-03

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			<ul style="list-style-type: none"> (c) Construction Noise and Vibration Management Sub-Plan (see condition B14); (d) Construction Waste Management Sub-Plan (see condition B15); (e) an unexpected finds protocol for Aboriginal and non-Aboriginal heritage and associated communications procedure; (f) waste classification (for materials to be removed) and validation (for materials to remain) be undertaken to confirm the contamination status in these areas of the site. 	<p>EMP version 3.0 was submitted to DPIE on the 21/12/2020. Email from DPIE was received on the 14/01/2021 acknowledging EMP and sub-plans were received. EMP is now up to version 4.0 dated 20/2/2021. Letter from ADCO to BMG (Certifier) was sent on the 21/12/2020 indicating that EMP complies with this clause.</p>	<p>applicable for this project as there is no plan for working at night and working outside approved standard hours.</p>	
50.	B	B13	<p>The Construction Traffic and Pedestrian Management Sub-Plan (CTPMSP) must be prepared to achieve the objective of ensuring safety and efficiency of the road network and address, but not be limited to, the following:</p> <ul style="list-style-type: none"> (a) be prepared by a suitably qualified and experienced person(s); (b) be prepared in consultation with Council and TfNSW; (c) detail the measures that are to be implemented to ensure road safety and network efficiency during construction in consideration of potential impacts on general traffic, cyclists and pedestrians and bus services; and (d) detail heavy vehicle routes, access and parking arrangements. 	<ul style="list-style-type: none"> (a) CTPMSP prepared by ptc. Consultants - Liverpool Hospital and Academic Precinct, Construction Traffic Management Plan, CTPMSP – Prepared by ptc. (14/12/2020). (b) Consultation between ptc and Liverpool City Council sighted - 13/01/2021 letter signed by Service Manager Traffic and Transport. Also consultation with TfNSW was sighted on from the 15/01/2021 to 22/01/2021 (c) Detailed in Section 3,4 Of CTPMSP and sub sections - Liverpool Hospital and Academic Precinct, Construction Traffic Management Plan, CTPMSP – Prepared by ptc. (14/12/2020). (d) Detailed in section 4.5 of CTPMSP and sub-sections - Liverpool Hospital and Academic Precinct, Construction Traffic Management Plan, CTPMSP Prepared by ptc. (14/12/2020). <p>Approval on CTMP (28/01/2021 - Rev. 2) was received from TfNSW on the 17/02/2021. Letter was sent from ADCO to BMG (certifier) on the 21/01/2021 indicating CTMP will be updated to address comments from Liverpool City Council and TfNSW.</p>		Compliant
51.	B	B14	<p>The Construction Noise and Vibration Management Sub-Plan must address, but not be limited to, the following:</p> <ul style="list-style-type: none"> (a) be prepared by a suitably qualified and experienced noise expert; (b) describe procedures for achieving the noise management levels in EPA's <i>Interim Construction Noise Guideline</i> (DECC, 2009); 	<ul style="list-style-type: none"> (a) CNVMP prepared by Acoustic Logic - Multi-Storey Carpark, Liverpool Hospital Stage 1 – Construction Noise and Vibration Management Plan (04/12/2020 – version 3). (b) Included in section 5.2.3 and 6.6 and sub sections. (c) Detailed in section 6.4, 6.5, 6.6 and sub sections (d) Detailed in section 6.6, 9.1 and sub sections 	<p>Opportunity for Improvement – OFI-04: ADCO installed a real time noise and vibration monitors adjacent to the Brain Injury building and have been implementing</p>	Compliant OFI-04

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			<ul style="list-style-type: none"> (c) describe the measures to be implemented to manage high noise generating works such as piling, in close proximity to sensitive receivers; (d) include strategies that have been developed with the community for managing high noise generating works; (e) describe the community consultation undertaken to develop the strategies in condition B14(d); (f) include a complaints management system that would be implemented for the duration of the construction; and (g) include a program to monitor and report on the impacts and environmental performance of the development and the effectiveness of the management measures in accordance with condition B14(d). 	<ul style="list-style-type: none"> (e) Detailed in Section 9.1 (f) Detailed in section 9.2 (g) Detailed in section 2 – figure 1 noise monitoring and measurement locations; section 7.3.1, 7.3.2 includes the vibration monitor data and results. Although noise and vibration have been monitored a program for noise was not referenced in the CNVMP. 	<p>the monitoring program and reporting of the noise on a monthly basis.</p> <p>This process for noise monitoring needs to be defined in the CNVMP.</p>	
52.	B	B15	<p>The Construction Waste Management Sub-Plan (CWMSP) must address, but not be limited to, the following:</p> <ul style="list-style-type: none"> (b) detail the quantities of each waste type generated during construction and the proposed reuse, recycling and disposal locations; and (c) removal of hazardous materials, particularly the method of containment and control of emission of fibres to the air, and disposal at an approved waste disposal facility in accordance with the requirements of the relevant legislation, codes, standards and guidelines, prior to the commencement of construction. 	<ul style="list-style-type: none"> (a) Waste Management Plan – Prepared by ADCO (26/08/2020). Waste type is detailed in Waste Management Targets (Pg.9). Waste Register was developed and being completed to date with type of waste, volume, disposal facility, disposal dockets and records were kept. The waste facility license was also checked by the engineers prior to disposal. (b) Detailed in the sub section on-site management (Pg. 5) 	<p>Opportunity for Improvement – OFI-05:</p> <p>Opportunity for improvement to include a column for the EPA License of the waste facility in the waste register to ensure that the materials are always disposed of to a license facility</p>	Compliant OFI-05
53.	B	B16	<p>A Driver Code of Conduct must be prepared and communicated by the Applicant to heavy vehicle drivers and must address the following:</p> <ul style="list-style-type: none"> (a) minimise the impacts of earthworks and construction on the local and regional road network; (b) minimise conflicts with other road users; (c) minimise road traffic noise; and (d) ensure truck drivers use specified routes. 	<ul style="list-style-type: none"> (a) Detailed under Truck Routes - Driver Code of Conduct – Prepared by ADCO. (b) Detailed under Truck Route - Driver Code of Conduct – Prepared by ADCO. (c) Detailed under Truck Routes - Driver Code of Conduct – Prepared by ADCO. (d) Detailed under Truck Routes - Driver Code of Conduct – Prepared by ADCO. 		Compliant
54.	B	B17	<p>Soil and Water</p> <p>Prior to the commencement of construction, the Applicant must install erosion and sediment controls on the site to manage wet weather events.</p>	<p>Detailed in LHAP-CITW-DRG-CP-003001 Erosion and Sediment Control Plan – 27/4/2021 issue 4.0. Civil Design Certificate (TTW) 08/12/2020.</p>		Compliant

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55.	B	B18	Prior to the commencement of construction, erosion and sediment controls must be installed and maintained, as a minimum, in accordance with the publication Managing Urban Stormwater: Soils & Construction (4th edition, Landcom 2004) commonly referred to as the 'Blue Book'.	Detailed in LHAP-CITW-DRG-CP-003001 Erosion and Sediment Control Plan - Civil Design Certificate (TTW) 08/12/2020.		Compliant
56.	B	B19	Prior to the commencement of construction, the Applicant must describe the measures that must be implemented to manage stormwater and flood flows for small and large sized events, including, but not limited to 1 in 1-year ARI, 1 in 5-year ARI and 1 in 100-year ARI	Detailed in LHAP-CI-TTW-DRG-CP-003014/003030/003031 Stormwater Plan, Stormwater long-sections – Sheet 1, Stormwater long-sections – Sheet 2 - Civil Design Certificate (TTW) 08/12/2020.		Compliant
57.	B	B20	Prior to the commencement of construction, the Applicant must implement measures outlined in <i>Acid Sulfate Soil Management Plan</i> , prepared by JKEvironments, dated 4 May 2020 to manage Acid Sulfate Soils. These measures must include handling, treatment, monitoring of water quality at treatment areas and disposal of Acid Sulfate Soils.	Sighted Acid Sulphate Management Plan from ADCO dated 9/12/2020. Included in the CC#1 item 31. PASS results did not present ASS. Waste classification report for the piling stockpile conducted by CSTS Environmental Pty Ltd dated 11/03/2021 classified as ENM no ASS. Waste Classification for GSW & April 2021 by CSTS, weighbridge Brandown (license Facility EPL 5186) 36.3.tonnes License Number (5186) for Waste Facility Bram Down approached Ltd. Exp. 2025.		Compliant
58.	B	B21	Construction Parking Prior to the commencement of construction, the Applicant must provide sufficient parking facilities on-site for heavy vehicles, except where separate works zone have been approved, to ensure that construction traffic associated with the development does not utilise public and residential streets or public parking facilities.	Part of the CTMP temporary car park location for contractors parking 5.3 of the plan. Heavy vehicles will park on site and drawings included in the CTMP (page 37) also section 1.2		Compliant
59.	B	B22	Construction Worker Transportation Strategy Prior to the commencement of construction, the Applicant must submit a Construction Worker Transportation Strategy to the satisfaction of the Certifier. The Strategy must detail the provision of sufficient parking facilities or other travel arrangements for construction workers in order to minimise demand for parking in nearby public and residential streets or public parking facilities. A copy of the strategy must be submitted to the Planning Secretary for information.	Detailed in 4.5.1 and attachment 1 - Construction Traffic Management Plan. CTMP submitted to DPIE on the 21/12/2020. DPIE accepted 14/01/2021.		Compliant

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60.	B	B23	Flood Management Prior to the commencement of construction, the Applicant must prepare and implement for the duration of construction: <ul style="list-style-type: none"> (a) flood warning and notification procedures for construction workers on site; and (b) evacuation and refuge protocols. 	(a) Detailed under Flood Emergency Response sub-plan from TTW 10/12/2020 LHAP-CI-TTW-RPT-CP-009013 A. Also part of EMP page 14. (b) Detailed under Flood Emergency Response with EMP page 14.		Compliant
61.	B	B24	Prior to the commencement of construction, the Certifier must be satisfied that any structures below the Probable Maximum Flood level are constructed from flood compatible building components.	Sighted Flood Emergency Response sub-plan from TTW dated 10/12/2020 LHAP-CI-TTW-RPT-CP-009013CC1 (item 33 in the CC#1).		Compliant
62.	B	B25	Archaeological Salvage – Historic Archaeology Prior to the commencement of construction, except demolition works, a suitably qualified and experienced historical archaeologist, who meets Heritage Council of NSW’s Criteria for assessing Excavation Directors, must be nominated to manage a historical archaeological program.	Acknowledge email from Heritage NSW was received on the 18/01/2021. Approval letter from Heritage NSW was received 29/01/2021. Letter from DPIE with approval for the Archaeological Research Design and Excavation Methodology was received on the 18/2/2021.		Compliant
63.	B	B26	Prior to the commencement of construction, except demolition works, an Archaeological Research Design and Excavation Methodology must be prepared to the satisfaction of the Planning Secretary to guide the historical archaeological program. It must be prepared in accordance with Heritage Council of NSW guidelines and prepared in consultation with Heritage NSW. The final approved Archaeological Research Design and Excavation Methodology must be provided to Council.	Detailed in Liverpool Health and Academic Precinct – Multi-Storey Carpark Archaeological Research Design and Excavation Methodology submitted to planning portal. (RPS Final version approved on 05/02/2021) Ref PR143932. Sighted email sent from Senior Heritage Consultant from RPS to environmental NSW Gov on the 17/01/2021 for approval. Letter of approval from Senior Specialist Heritage NSW 29/1/2021.		Compliant
64.	B	B27	Landscaping Prior to the commencement of construction, the Applicant must prepare a revised Landscape Plan to manage the revegetation and landscaping works on-site. The plan must: <ul style="list-style-type: none"> (b) provide for the planting of 81 trees; (c) detail the location, species, maturity and height at maturity of plants to be planted on-site; (d) include species (trees, shrubs and groundcovers) indigenous to the local area; and (e) include the planting of trees with a pot container of 75 litres or greater. 	(a) Plans reflect 64 trees will be planted – not 81; however this is listed in stage 2 of the staging report. (b) Detailed in S19-0011 DD 2283/ S19-0011 DD 2284 - MSCP WEST - ADDITIONAL TREE PLANTING/ MSCP EAST - ADDITIONAL TREE PLANTING submitted under approved plans – planning portal. (c) Detailed in L-SSDA-MSCP-05 - INDICATIVE PLANTING PALETTE submitted under approved plans – planning portal. (d) Not found	Opportunity for Improvement – OFI-06: Opportunity for ADCO to revise the Landscape Plan to include the 81 trees to be planted in order to be compliant to this condition. Work will commence as part of the Stage 2 as defined in the Staging Report; therefore the commencement of	Compliant

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				Sighted letter dated 14/12/2020 from ADCO certification of Design – Structural and Civil for this condition. Included in CC1 (item 80 and 81) LHAP-LS-CLO-DRG-CP-100301 Site Works Plan Issue 2 dated 22/12/2020 from Clouston associates indicates that 86 tress to be retained and protected.	construction will follow the Staging Report.	
65.	B	B28	Car Parking and Service Vehicle Layout Prior to the commencement of construction, compliance with the following requirements must be submitted to the Certifier: <ul style="list-style-type: none"> (a) all vehicles must enter and leave the site in a forward direction; (b) a minimum of 1,248 on-site car parking spaces for use during operation of the development and designed in accordance with the latest versions of AS 2890.1 and AS 2890.6; (c) the swept path of the longest construction vehicle entering and exiting the site in association with the new work, as well as manoeuvrability through the site, must be in accordance with the latest version of AS 2890.2; and (d) the safety of vehicles and pedestrians accessing adjoining properties, where shared vehicle and pedestrian access occurs, is to be addressed. 	(a) Detailed in 4.5.2 Construction Vehicle Routes – Construction Management Traffic Plan (b) Carpark plan 2/12/2020 CC2 #54 (c) Included in 4.5.2 Construction Vehicle Routes – Construction Management Traffic Plan. (d) included in 4.5.2 Construction Vehicle Routes – Construction Management Traffic Plan. Carpark plans by PTC dated 2/12/2020 are included in the CC#2 item 54.		Compliant
66.	B	B29	Public Domain Works Prior to the commencement of any footpath or public domain works, the Applicant must consult with Council and demonstrate to the Certifier that the streetscape design and treatment meets the requirements of Council, including addressing pedestrian management. The Applicant must submit documentation of approval for each stage from Council to the Certifier.	Not applicable as all works are within the property boundary. No public domain.		Not Triggered
67.	B	B30	Protection of the rail corridor Prior to the commencement of works, the Applicant must prepare and submit to the satisfaction of Sydney Trains the following items prepared in accordance with relevant ASA Standards (https://www.transport.nsw.gov.au/industry/asset-standards-authority):	Approval letter from Sydney Trains dated 21/12/2020 confirming that they have reviewed ADCO documents and that Condition B30 and B35 has been resolved.		Compliant

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			<ul style="list-style-type: none"> (a) geotechnical and structural report/drawings that meet Sydney Trains requirements. The geotechnical report must be based on actual borehole testing conducted on the site closest to the rail corridor. (b) construction methodology with construction details pertaining to structural support during excavation. (c) cross sectional drawings showing the rail corridor, sub soil profile, proposed excavation and structural design of sub ground support adjacent to the rail corridor. All measurements are to be verified by a registered surveyor. (d) detailed survey plan showing the relationship of the proposed development with respect to Sydney Trains easement and rail corridor. 			
68.	B	B31	Prior to the commencement of works, the Applicant must consult with Sydney Trains to obtain written endorsement/agreement that access to the rail corridor can be maintained during construction.	Sighted Sydney Trains letter dated 21/12/2020 confirming that they have reviewed ADCO documents and that Condition B30 and B35 has been resolved.		Compliant
69.	B	B32	Prior to the commencement of works, the Applicant must submit to Sydney Trains a plan showing all craneage and other aerial operations for the development and must comply with all Sydney Trains requirements. If required by Sydney Trains, the Applicant must amend the plan showing all craneage and other aerial operations to comply with all Sydney Trains requirements.	Approval letter from Sydney Trains dated 21/12/2020 confirming that they have reviewed ADCO documents and that Condition B30 and B35 has been resolved.		Compliant
70.	B	B33	Prior to commencement of works, the Applicant must establish the existence and location of any rail services. Should rail services be identified within the subject development site, the Applicant must consult with Sydney Trains to determine whether these services are to be relocated or incorporated within the development site.	Sighted Sydney Trains letter dated 21/12/2020 confirming that they have reviewed ADCO documents and that Condition B30 and B35 has been resolved.		Compliant
71.	B	B34	Prior to the commencement of landscaping works, the Applicant must provide to Sydney Trains for approval a final landscaping and planting plan demonstrating measures to ensure the roots and foliage of trees being planted beside the rail corridor do not impact on the rail corridor or rail operations and complies with the 'Sydney Trains High Voltage Powerline Tree Management Plan'.	Approval letter from Sydney Trains dated 21/12/2020 confirming that they have reviewed ADCO documents and that Condition B30 and B35 has been resolved.		Compliant
72.	B	B35	Prior to installation of fencing, details of the type of fencing for construction and operation stages and the method of erection must be approved by Sydney Trains.	Sighted Sydney Trains letter dated 21/12/2020 confirming that they have reviewed ADCO documents and that Condition B30 and B35 has been resolved.		Compliant

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PART	C	DURING CONSTRUCTION				
73.	C	C1	Site Notice A site notice(s): <ul style="list-style-type: none"> (a) must be prominently displayed at the boundaries of the site during construction for the purposes of informing the public of project details including, but not limited to the details of the Builder, Certifier and Structural Engineer and must satisfy the following requirements: (b) minimum dimensions of the notice must measure 841 mm x 594 mm (A1) with any text on the notice to be a minimum of 30-point type size; (c) the notice must be durable and weatherproof and must be displayed throughout the works period; (d) 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 must be displayed on the site notice; and (e) the notice(s) must be mounted at eye level on the perimeter hoardings/fencing and must state that unauthorised entry to the site is not permitted. 	The Site notice was displayed at the entrance of the site. Note: During the audit the site notice did not include the name of the structural engineer and approved hours of work. However, this was promptly rectified by the contractor and this requirement is now compliant. Refer to photos in Appendix E.		Compliant
74.	C	C2	Operation of Plant and Equipment All construction plant and equipment used on site must be maintained in a proper and efficient condition and operated in a proper and efficient manner.	Sighted record for excavator EXC2 Serial No. YQ1209327 from Jeffsann Excavation Pty Ltd as well as operator license for excavator (SK210) 91548 issued 7/9/2014. All records for plant and equipment are stored ion Hammertech system.		Compliant
75.	C	C3	Demolition Demolition work must comply with the demolition work plans required by <i>Australian Standard AS 2601-2001 The demolition of structures</i> (Standards Australia, 2001) and endorsed by a suitably qualified person as required by condition B8.	Demolition Design Certificate from Jeffsann Excavations PL dated 4/12/2020 sent to BMG. Included in the CC#1 item 24. Certificate indicates demolition work are in accordance with AS 2601-2001.		Compliant
76.	C	C4	Construction Hours Construction, including the delivery of materials to and from the site, may only be carried out between the following hours: <ul style="list-style-type: none"> (a) 7am and 6pm, Mondays to Fridays inclusive; and (b) 8am and 1pm, Saturdays. 	Construction work hours are included in Section 4 of the CVNMP and in the EMP page 70. Also, posted in the site notice board.		Compliant

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			No work may be carried out on Sundays or public holidays.			
77.	C	C5	<p>Construction activities may be undertaken outside of the hours in condition C4 if required:</p> <ul style="list-style-type: none"> (a) by the Police or a public authority for the delivery of vehicles, plant or materials; or (b) in an emergency to avoid the loss of life, damage to property or to prevent environmental harm; or (c) where the works are inaudible at the nearest sensitive receivers; or (d) for the delivery, set-up and removal of construction cranes, where notice of the crane-related works is provided to the Planning Secretary and affected residents at least seven days prior to the works; or (e) where a variation is approved in advance in writing by the Planning Secretary or his nominee if appropriate justification is provided for the works. 	<p>Not OOHW has been conducted. Process of OOHW is detailed and in Section 4 of the CVNMP.</p>		Not Triggered
78.	C	C6	Notification of such construction activities as referenced in condition C5 must be given to affected residents before undertaking the activities or as soon as is practical afterwards.	Not OOHW has been conducted to date.		Not Triggered
79.	C	C7	<p>Concrete finishing works (including the use of a helicopter float) may be undertaken outside of the hours in condition C4, unless directed otherwise by the Planning Secretary, between the following hours:</p> <ul style="list-style-type: none"> (a) Saturday: 1pm to 3pm. 	Not OOHW has been conducted to date.		Not Triggered
80.	C	C8	<p>Rock breaking, rock hammering, sheet piling, pile driving and similar activities may only be carried out between the following hours:</p> <ul style="list-style-type: none"> (a) 9am to 12pm, Monday to Friday; (b) 2pm to 5pm Monday to Friday; and (c) 9am to 12pm, Saturday. 	None of these activities have been conducted at the site so far. Process detailed in Section 4 Conditions of Consent – CVNMP		Not Triggered
81.	C	C9	<p>Archaeological Salvage – Historic Archaeology</p> <p>The historical archaeological program is to be undertaken in accordance with the approved Archaeological Research Design and Excavation Methodology under condition B26.</p>	No heritage finds to date.		Not Triggered

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82.	C	C10	A final archaeological excavation report must be prepared within 12 months of the completion of archaeological excavation. The report must include details of any significant artefacts recovered, where they were located and details of their ongoing conservation and protection in perpetuity. Copies of the final excavation report must be provided to the Planning Secretary, Heritage NSW and Liverpool Council's local studies unit.	No heritage finds to date.		Not Triggered
83.	C	C11	Heritage Interpretation Strategy A Heritage Interpretation Strategy (HIS) must be prepared within 12 months of the completion of archaeological excavation, in consultation with Heritage NSW, and submitted to the Planning Secretary and Council. The HIS must ensure that the final design (building and landscaping) incorporates the results of previous and current archaeological excavations undertaken at Liverpool Hospital. This must include key results from the final excavation reports (prepared by Higginbotham, 1995 and AHMS, 2009) including artefacts, where these can be located. Where relevant this should include information on the display and housing of artefacts.	Archaeological Research Design and Excavation Methodology submitted on planning portal. No archaeological excavations to date.		Not Triggered
84.	C	C12	Implementation of Management Plans The Applicant must carry out the construction of the development in accordance with the most recent version of the CEMP (including Sub-Plans).	The Environmental Management Plan (version 4.0) sub-plans have been reviewed and implemented with the following strengths sighted during the audit: <ul style="list-style-type: none"> • The contractor was using Hammertech system which tracks non-compliances, incidents, training, etc. • Environmental inspections have been undertaken weekly; • Internal and external communication mechanisms have been established as well as Disruption notice process. Note: Latest version of the EMP (v.4.0) to be uploaded to the website. Implemented environmental controls sighted included: <ul style="list-style-type: none"> - Air monitors were installed around the site; - Noise and vibration monitors were installed adjacent to the Brain Injury Building; - Erosion and sedimentation controls were implemented - Dust suppression was implemented; - Traffic controls were implemented as per the TCP; and 		Compliant

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				- Security cameras installed.		
85.	C	C13	Construction Traffic All construction vehicles are to be contained wholly within the site, except if located in an approved on-street work zone, and vehicles must enter the site or an approved on-street work zone before stopping unless directed otherwise by traffic control.	Vehicles were contained within the site. Traffic control measures were implemented during the site inspection. Sighted Traffic Controller ticket number: TCT1005303 for IMP TCR.		Compliant
86.	C	C14	Hoarding Requirements The following hoarding requirements must be complied with: <ul style="list-style-type: none"> (a) where feasible provide graphics illustrating Liverpool's history developed in consultation with Council's Public Art Officer; (b) no third-party advertising is permitted to be displayed on the subject hoarding/ fencing; and (c) the construction site manager is responsible for the removal of all graffiti from any construction hoardings or the like within the construction area within 48 hours of its application. 	Fencing and hoarding were installed around the perimeter. No graffiti noted. Refer to photo in Appendix E.		Compliant
87.	C	C15	No Obstruction of Public Way The public way (outside of any approved construction works zone) must not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances.	No obstruction of public way sighted during the audit. No trucks parked outside; all equipment were contained within the site boundary.		Compliant
88.	C	C16	Construction Noise Limits The development must be constructed to achieve the construction noise management levels detailed in <i>the Interim Construction Noise Guideline</i> (DECC, 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 management and mitigation measures identified in the approved Construction Noise and Vibration Management Plan.	Construction noise levels were detailed in section 6 and sub sections - Preliminary Construction Noise Emission Assessment (Standard Construction Hours) of the CNVMP. Mitigation strategies are detailed in section 6.5, 6.6 and associated sub sections of the CNVMP. Noise and Vibration Monitoring results were sighted for 18/2/2021 Report #1. No exceedances reported.		Compliant
89.	C	C17	The Applicant must ensure construction vehicles (including concrete agitator trucks) do not arrive at the site or surrounding residential precincts outside of the construction hours of work	No vehicles parked outside of construction hours of work. Contractors aware of workings hours and controls on site. No complaints received.		Compliant

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			outlined under condition C4 except where permitted by condition C7.			
90.	C	C18	The Applicant must implement, where practicable and without compromising the safety of construction staff or members of the public, the use of 'quackers' to ensure noise impacts on surrounding noise sensitive receivers are minimised.	Quackers in place for trucks on site		Compliant
91.	C	C19	Vibration Criteria (a) for structural damage, the latest version of <i>DIN 4150-3 (1992-02) Structural vibration - Effects of vibration on structures</i> (German Institute for Standardisation, 1999); and (b) or human exposure, the acceptable vibration values set out in the <i>Environmental Noise Management Assessing Vibration: a technical guideline</i> (DEC, 2006) (as may be updated or replaced from time to time).	Vibration criteria is detailed in section 4 of the CNVMP. Noise and Vibration Monitoring results were sighted for 18/2/2021 Report #1, 15/3/2021 Report #2 and 15/3/2021 Report #3 prepared by Acoustic Logic and all were within limit.		Compliant
92.	C	C20	Vibratory compactors must not be used closer than 30 metres from residential buildings unless vibration monitoring confirms compliance with the vibration criteria specified in condition C19.	Vibration monitor was in place, located at the northern façade of the brain injury unit (facing the construction site), with geophone mounted directly to the façade of the building structure. Refer to photo in Appendix E.		Compliant
93.	C	C21	The limits in conditions C19 and C20 apply unless otherwise outlined in a Construction Noise and Vibration Management Plan, approved as part of the CEMP required by condition B14 of this consent.	Vibration monitoring results within limit.		Not Triggered
94.	C	C22	Air Quality The Applicant must take all reasonable steps to minimise dust generated during all works authorised by this consent.	Dust suppression implemented and sighted during the inspection. Air monitors onsite for asbestos - Results zero. No mud tracking Rumble grid used.		Compliant
95.	C	C23	During construction, the Applicant must ensure that: (a) exposed surfaces and stockpiles are suppressed by regular watering; (b) all trucks entering or leaving the site with loads have their loads covered; (c) trucks associated with the development do not track dirt onto the public road network; (d) public roads used by these trucks are kept clean; and	a) Stockpiles are covered with geofabric at night and when staying longer onsite. b) No mud tracking or dust on the roads, water suppression was conducted. c) Wheel washing was done and rumble grid in place. d) Roads were kept clean, refer to photos in Appx E. e) Sedimentation fence installed around the perimeter.		Compliant

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			(e) land stabilisation works are carried out progressively on site to minimise exposed surfaces.			
96.	C	C24	Erosion and Sediment Control All erosion and sediment control measures must 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 have been stabilised and rehabilitated so that it no longer acts as a source of sediment. Erosion and sediment control techniques, as a minimum, are to be in accordance with the publication Managing Urban Stormwater: Soils & Construction (4th edition, Landcom, 2004) commonly referred to as the 'Blue Book'.	Good environmental controls were sighted. Refer to the photos for erosion & sedimentation controls on site. Sighted Erosion and Sediment Control Plan Rev.1 LHAP-CI-TTW-DRG-CP-003001 prepared by TTW. Plan was maintained and implemented.		Compliant
97.	C	C25	Imported Soil The Applicant must: <ul style="list-style-type: none"> (a) ensure that only VENM, ENM, or other material approved in writing by EPA is brought onto the site; (b) keep accurate records of the volume and type of fill to be used; and (c) make these records available to the Certifier upon request. 	Waste register and records of waste classifications and validation were sighted. Sighted delivery docket for raw materials from DGB 20 from Holcim 05436077 - 7/2/2021. HOLCIM EPL 12939. Test Results 1/12/2020 22659/S/54/5423 for DGB 20.		Compliant
98.	C	C26	Disposal of Seepage and Stormwater Adequate provisions must be made to collect and discharge stormwater drainage during construction of the building to the satisfaction of the Certifier. The prior written approval of Council must be obtained to connect or discharge site stormwater drainage system or street gutter.	No disposal of stormwater or discharge to council drains conducted to date. The day it was a heavy rain, the stormwater was collected within the site and evaporated. A post rain site inspection was completed on the 24/3/2021 with no slit or mud on walkways and roadways.		Compliant
99.	C	C27	Emergency Management The Applicant must prepare and implement awareness training for employees and contractors, including locations of the assembly points and evacuation routes, for the duration of construction.	Emergency plans and procedures have been posted in the notice board.		Compliant
100.	C	C28	Stormwater Management System Within three months of the commencement of construction, the Applicant must design an operational stormwater management system for the development and submit it to the satisfaction of	Sighted Civil Design Certificates by Taylor Thomson Whiting (TTW) dated 14/12/2020 included in the CC#1 item 5 includes the stormwater system.		Compliant

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			<p>the Certifier. The system must:</p> <ul style="list-style-type: none"> (a) Be designed by a suitably qualified and experienced person(s); (b) Be generally in accordance with the conceptual design in the EIS; (c) Be in accordance with applicable AS; and (d) Ensure that the system capacity had been designed in accordance with <i>Australian Rainfall and Runoff</i> (Engineers, Australia, 2016) and <i>Managing Urban Stormwater: Council Handbook</i> (EPA,1997) guidelines. 			
101.	C	C29	<p>Unexpected Finds Protocol – Aboriginal Heritage</p> <p>In the event that surface disturbance identifies a new Aboriginal object, all works must halt in the immediate area to prevent any further impacts to the object(s). A suitably qualified archaeologist and the registered Aboriginal representatives must be contacted to determine the significance of the objects. The site is to be registered in the Aboriginal Heritage Information Management System (AHIMS) which is managed by Heritage NSW and the management outcome for the site included in the information provided to AHIMS. The Applicant must consult with the Aboriginal community representatives, the archaeologists and Heritage NSW to develop and implement management strategies for all objects/sites. Works may only recommence with the written approval of Heritage NSW.</p>	No unexpected finds, process described in EMP page 34.		Not Triggered
102.	C	C30	<p>Unexpected Finds Protocol – Historic Heritage</p> <p>If any unexpected archaeological relics are uncovered during the work, then all works must cease immediately in that area and Heritage NSW contacted. Depending on the possible significance of the relics, an archaeological assessment and management strategy may be required before further works can continue in that area. Works may only recommence with the written approval of Heritage NSW.</p>	No unexpected finds, process described in EMP page 34 – under ‘cultural heritage’.		Not Triggered
103.	C	C31	<p>Waste Storage and Processing</p> <p>All waste generated during construction must be secured and maintained within designated waste storage areas at all times and must not leave the site onto neighbouring public or private properties.</p>	General waste contained within the waste bins provided on site. Refer to photo in Appendix E.		Compliant

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104.	C	C32	All waste generated during construction must be assessed, classified and managed in accordance with the Waste Classification Guidelines Part 1: Classifying Waste (EPA,2014).	Waste tracking is managed with the Waste register. Sighted Waste Register including details such as type of waste, volume, disposal facility, disposal dockets and records were kept. The waste facility license was also checked by the engineers prior to disposal.		Compliant
105.	C	C33	The Applicant must ensure that concrete waste and rinse water are not disposed of on the site and are prevented from entering any natural or artificial watercourse.	Concrete waste is put in the bins provided, no disposed-on other areas.		Compliant
106.	C	C34	The Applicant must record the quantities of each waste type generated during construction and the proposed reuse, recycling and disposal locations for the duration of construction.	Waste register sighted it is a 'live' document; Register has been kept up to date.		Compliant
107.	C	C35	The Applicant must ensure that the removal of hazardous materials, particularly the method of containment and control of emission of fibres to the air, and disposal at an approved waste disposal facility is in accordance with the requirements of the relevant legislation, codes, standards and guidelines.	No hazardous waste has been disposed of.		Not Triggered
108.	C	C36	Outdoor Lighting The Applicant must ensure that all external lighting is constructed and maintained in accordance with AS 4282-2019 Control of the obtrusive effects of outdoor lighting.	External lighting is not applicable for this project as there is no plan for working at night and working outside approved standard hours. EMP to be updated to reflect this. Refer to OFI-03.		Not Triggered
109.	C	C37	Protection of the rail corridor No work is permitted within the rail corridor (including land and airspace), or any easements which benefit Sydney Trains/Rail Corp, at any time, unless the prior approval of, or an agreement with, Sydney Trains/Rail Corp has been obtained by the Applicant.	Not working within any rail corridor and rail easement. Plans have been approved by Sydney Trains. Letter sighted dated 21/12/2020.		Not Triggered
110.	C	C38	No rock anchors, rock bolts, ground anchors or rock ties, piles, foundations, rock pillars, transfer structures, basement walls, slabs, columns, beams, cut rock faces, are to be installed into Sydney Trains/Rail Corp property or easements.	Not working within any rail corridor and rail easement.		Not Triggered
111.	C	C39	The Applicant must not block rail related use and rail corridor access gate, to ensure continuous provision for easy and ongoing 24/7 access by rail vehicles, plant and equipment to support maintenance and emergency activities.	Not working within any rail corridor and rail easement.		Not Triggered

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112.	C	C40	All works within six metres of the nearest transmission line conductor for the 33kV High Voltage Aerial Transmission Line must comply with: <ul style="list-style-type: none"> ISSC 20 - Guideline for the Management of Activities within Electricity Easements and Close to Electricity Infrastructure; The Safe Approach Distances (SADs) in the Sydney Trains Document titled SMS-06-GD-0268 - Working Around Electrical Equipment; and WorkCover Code of Practice - Work near Overhead Power Lines (The Code). 	Not working within any rail corridor and rail easement.		Not Triggered
113.	C	C41	The Applicant must ensure that all drainage from the development is adequately disposed of and managed and not discharged into the railway corridor unless prior written approval has been obtained from Sydney Trains.	Not working within any rail corridor and rail easement.		Not Triggered
114.	C	C42	The Applicant must prevent and form of pollution entering the railway corridor. Any form of pollution that arises because of the development activities remains the full responsibility of the Applicant.	Not working within any rail corridor and rail easement.		Not Triggered
115.	C	C43	The Applicant must ensure excess soil is not allowed to enter, be spread or stockpiled within the rail corridor (and its easements) and must be adequately managed/disposed of.	Not working within any rail corridor and rail easement.		Not Triggered
116.	C	C44	The applicant must ensure that the development incorporates appropriate anti-graffiti measures, to the satisfaction of Sydney Trains.	Not working within any rail corridor and rail easement.		Not Triggered
117.	C	C45	The Applicant must ensure fencing approved by the Sydney Trains is in place along the rail corridor to prevent unauthorised access to the rail corridor during construction works.	Not working within any rail corridor and rail easement.		Not Triggered
118.	C	C46	Independent Environmental Audit Proposed independent auditors must be agreed to in writing by the Planning Secretary prior to the preparation of an Independent Audit Program or commencement of an Independent Audit.	AQUAS auditors CVs and independent audit declarations were sent to DPIE on the 29/3/2021 over 4 weeks prior to the intended audit date. The Proponent noted that the DPIE had verbally endorsed the proposed auditors. The audit was scheduled for 28/4/2021 as this was the latest date the Proponent had in order to meet the timeframe of 12 weeks from commencement of construction, as	Non-compliance NC-04: Written agreement from DPIE on the proposed independent auditors was not received prior to the conduct of the independent audit. Refer	Non-Compliant

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				specified in the IAPAR. Refer to section 2.3 of this report for more details. The written confirmation of auditors approval by DPIE was received on 19/5/2021 and copy is attached as Appx A.	to section 2.3 of this report for more details.	
119.	C	C47	Within four weeks of the commencement of construction, an Independent Audit Schedule prepared in accordance with the Independent Audit Post Approval Requirements, as amended by condition C48, must be submitted to the Planning Secretary and the Certifier.	Audit program developed by AQUAS was provided to Johnstaff on the 23/03/2021. The Program was sent to DPIE on the 29/03/2021 and acknowledgment was received on the same day.	Non-compliance NC-05: Independent Audit Schedule was not submitted to the DPIE and the Certifier within four weeks from the commencement of construction (9/2/2021). Audit schedule was sent on the 29/03/2021.	Non-Compliant
120.	C	C48	Table 1 of the Independent Audit Post Approval Requirements, is amended so that the Independent Audit Schedule frequency of Independent Audits required in the construction phase is: (a) an initial construction Independent Audit must be undertaken within 12 weeks of the notified commencement date of construction; and (b) subsequent Independent Audits of construction must be undertaken at intervals, no greater than 26 weeks from the date of the initial construction Independent Audit.	This audit is the first independent environmental audit for this project. The audit was conducted on the 28/4/2021 which is within the timeframe required (11 th week). Construction started 9/2/2021.		Compliant
121.	C	C49	The Planning Secretary may require Independent Audits to be undertaken at different times to those specified above, upon giving at least eight weeks' notice to the Applicant of the date upon which the independent Audit must be commenced.	No directions have been received from DPIE to undertake the audits at different times to date.		Not Triggered
122.	C	C50	Independent Audits of the development must be carried out in accordance with: (a) The Independent Audit Schedule submitted to the Planning Secretary and the Certifier under condition C47 of this consent, as amended by condition C48; and (b) The Independent Audit Post Approval Requirements (Department 2018, or as amended).	Audit was conducted following the IAPAR 2020.		Compliant
123.	C	C51	In accordance with the specific requirements in the Independent Audit Post Approval Requirements, the Applicant must: (a) Review and response separately to each Independent	Noted. This is the first audit for the Liverpool Hospital Carpark project.		Not Triggered

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			<p>Audit Report prepared under condition C50 of this consent;</p> <p>(b) Submit the response to the Planning Secretary and the Certifier; and</p> <p>(c) Make each Independent Audit Report and response to it publicly available 60 days after submission to the Planning Secretary.</p>			
124.	C	C52	Independent Audit Reports and the Applicant's response to audit findings must be submitted to the Planning Secretary within two months of undertaking the independent audit site inspection as outlined in the Independent Audit Post Approval Requirements, unless otherwise agreed by the Planning Secretary.	Noted. Proponent will submit the report and response to DPIE.		Not Triggered
125.	C	C53	Notwithstanding the requirements of the Independent Audit Post Approval Requirements, the Planning Secretary may approve a request for ongoing operational Independent Audits to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that Independent Audits have demonstrated consistent operational compliance.	Noted.		Not Triggered
APPENDIX 1 - WRITTEN NOTIFICATION AND REPORTING						
126.	Appx	1	A written incident notification addressing the requirements set out below must be provided to the Planning Secretary through the major projects portal within seven days after the Applicant becomes aware of an incident. Notification is required to be given under this condition even if the Applicant fails to give the notification required under condition A25 or, having given such notification, subsequently forms the view that an incident has not occurred.	No notifiable incidents to date.		Not Triggered
127.	Appx	2	<p>Written notification of an incident must:</p> <p>a) identify the development and application number;</p> <p>b) provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident);</p> <p>c) identify how the incident was detected;</p> <p>d) identify when the applicant became aware of the incident;</p> <p>e) identify any actual or potential non-compliance with conditions of consent;</p>	No notifiable incidents to date.		Not Triggered

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			f) describe what immediate steps were taken in relation to the incident; g) identify further action(s) that will be taken in relation to the incident; and h) identify a project contact for further communication regarding the incident.			
128.	Appx	3	Within 30 days of the date on which the incident occurred or as otherwise agreed to by the Planning Secretary, the Applicant must provide the Planning Secretary and any relevant public authorities (as determined by the Planning Secretary) with a detailed report on the incident addressing all requirements below, and such further reports as may be requested.	No notifiable incidents to date.		Not Triggered
129.	Appx	4	The Incident Report must include: a) a summary of the incident; b) outcomes of an incident investigation, including identification of the cause of the incident; c) details of the corrective and preventative actions that have been, or will be, implemented to address the incident and prevent recurrence; and d) details of any communication with other stakeholders regarding the incident.	No notifiable incidents to date.		Not Triggered
APPENDIX 2 – ADVISORY NOTES						
130.	Appx	AN1	General All licences, permits, approvals and consents as required by law must be obtained and maintained as required for the development. No condition of this consent removes any obligation to obtain, renew or comply with such licences, permits, approvals and consents.	No licenses required.		Not Triggered
131.	Appx	AN2	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 Helpline on 131 441.	Sighted levy receipt 00459135 17/12/2020 ref. on the SSD 10388.		Compliant
132.	Appx	AN3	Legal Notices Any advice or notice to the consent authority must be served on the Planning Secretary.	No legal notices.		Not Triggered

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
133.	Appx	AN4	Access for People with Disabilities The works that are the subject of this application must be designed and constructed to provide access and facilities for people with a disability in accordance with the BCA. Prior to the commencement of construction, the Certifier must ensure that evidence of compliance with this condition from an appropriately qualified person is provided and that the requirements are referenced on any certified plans.	AN4: Included in CC#1b dated 29/1/2021 item 11: BCA Design Certificate Access ADCO 21/12/2020.		Compliant
134.	Appx	AN5	Access for People with Disabilities Water, electricity and gas are to comply with sections 4.1.3 and 4.2.7 of Planning for Bush Fire Protection 2006.	Included in CC#1b dated 29/1/2021 item 12. Sighted email 26/11/2020 from Fitzpatrick and partners GCOR-003570 indicating that site is not in land that is a bush fire prone.		Compliant
135.	Appx	AN6	Utilities and Services Prior to the construction of any utility works associated with the development, the Applicant must obtain relevant approvals from service providers.	Included in CC#1b dated 29/1/2021 item 13 and CC#2 dated 25/3/2021 item 13: Electrical and Telecommunication utilities from Santec Australia 27/11/2020.		Compliant
136.	Appx	AN7	Utilities and Services Prior to the commencement of above ground 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 provisions of adequate services.	Included in CC#1 dated 29/1/2021 item 14 – Santec Australia 15/12/2020.		Compliant
137.	Appx	AN8	Road Design and Traffic Facilities All roads and traffic facilities must be designed to meet the requirements of Council or TfNSW (whichever is applicable). The necessary permits and approvals from the relevant road authority must be obtained prior to the commencement of road or pavement construction works.	Not applicable as they are not in a road network.		Not Triggered
138.	Appx	AN9	Road Occupancy Licence A Road Occupancy Licence must be obtained from the relevant road authority for any works that impact on traffic flows during construction activities.	No ROL required.		Not Triggered
139.	Appx	AN10	SafeWork Requirements 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 requirements.	CCTV in place, secure hoarding, intruder alarms, work was performed safely during the audit.		Compliant

Audit Descriptors Compliance Codes: Compliant; Non-Compliant; Not triggered

ID No.	SSI Part	Req. No.	Requirement SSD 10388, 30 November 2020	Audit Evidence	Audit Findings/ Recommendations	Compliance Rating
140.	Appx	AN11	Hoarding Requirements The Applicant must submit a hoarding application to Council for the installation of any hoardings over Council footways or road reserve.	Not applicable as the hoarding is located in the hospital road not council.		Not Triggered
141.	Appx	AN12	Handling of Asbestos The Applicant must consult with SafeWork NSW concerning the handling of any asbestos waste that may be encountered during construction. The requirements of the Protection of the Environment Operations (Waste) Regulation 2014 with particular reference to Part 7 – ‘Transportation and management of asbestos waste’ must also be complied with.	Not applicable, no asbestos on site.		Not Triggered
142.	Appx	AN13	Fire Safety Certificate The owner must submit to Council an Annual Fire Safety Statement, each 12 months after the final Safety Certificate is issued. The certificate must be on, or to the effect of, Council’s Fire Safety Statement	AFSS is not required yet, this is for the operational phase.		Not Triggered

Appendix E. Audit Photos



Photo 1 – Site notice with project information outside a site entrance.



Photo 2 – Road kept clean free from dust and mud.



Photo 3 – Notice board included commitment to site rules and SSD.



Photo 4 –Traffic controls in place.



Photo 5 – Outside pits protected with sandbags.

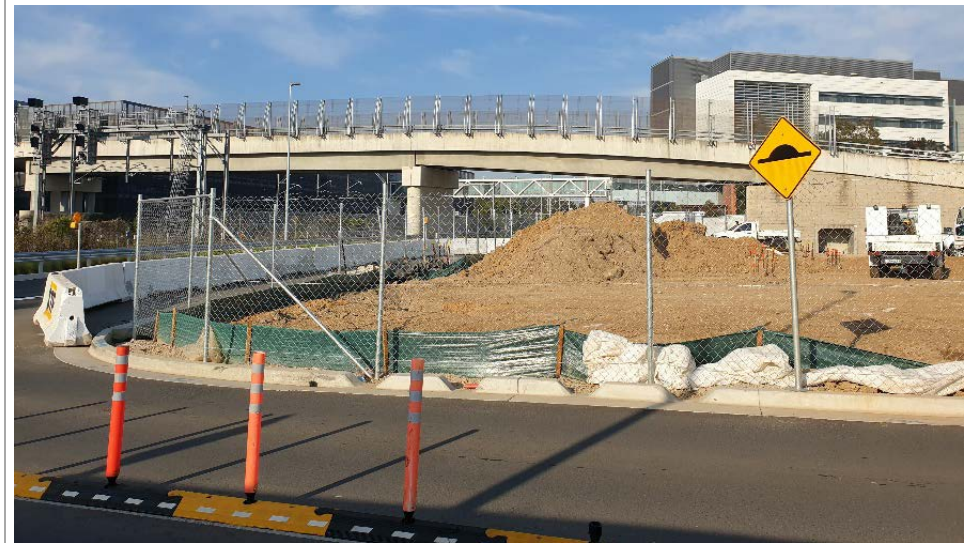


Photo 6 – Silt fence were installed around the perimeter.



Photo 7 – Waste bins were available and empty.



Photo 8 – Rumble grid was installed at the site entrance/exit.



Photo 9– Jersey barriers were installed to separate pedestrian from construction traffic.



Photo 10 – Water suppression carried out during material handling.



Photo 11 – Air quality monitors were installed around the perimeter.



Photo 12 – Noise and vibration monitors were installed next to Brain Injury Unit.



Photo 13 – Hoardings, fencing and screening were installed around the site perimeter.

Appendix F. Consultation Records

From: [Munoz, Ana-Maria](#)
To: compliance@planning.nsw.gov.au
Cc: [Shamma Hasan](#); janice.yeom@johnstaff.com.au; [Tunqol, Annabelle](#)
Subject: Liverpool Hospital Carpark (SSD-10388) Independent Environmental Audit - Consultation
Date: Monday, 26 April 2021 8:49:20 AM

Hi there,

Health Infrastructure NSW have engaged AQUAS to undertake the Independent Environmental Audits of the Liverpool Hospital Redevelopment – Multi-Storey Carpark project.

The audit is a requirement of the Development Consent SSD 10388 and will be conducted on Wednesday 28 April 2021.

I kindly ask, if you have any feedback for us in relation to the project construction activities and how they have impacted the work environment, if there are any positive comments or concerns, or specific areas where you would like us to focus during the environmental review e.g. noise and vibration, air and dust controls, waste management, community consultation/communication, traffic management, etc.

Any feedback or commentary would be appreciated.

Thank you and regards,

Ana Maria Munoz | Senior Management Consultant / HSEQ Auditor
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