



University of Sydney A01 Ross Street Learning Hub

Construction Environmental Management Plan – SSD-57838709

FDC Construction (NSW) Pty Ltd

22 - 24 Junction Street
Forest Lodge NSW 2037

Prepared by:

SLR Consulting Australia Pty Ltd

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1.0	10 September 2026	Kirilee Boulton	Clare Broderick	Ian Short (FDC)

Basis of Report

This report has been prepared by SLR Consulting Australia Pty Ltd (SLR) with all reasonable skill, care and diligence, and taking account of the timescale and resources allocated to it by agreement with FDC Construction (NSW) Pty Ltd (the Client). Information reported herein is based on the interpretation of data collected, which has been accepted in good faith as being accurate and valid.

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Appendix I	Dewatering Management Plan
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1.0 Introduction

1.1 Development Overview

SSD-57838709 was granted development consent by Department of Planning, Housing and Infrastructure (DPHI) on 17 December 2025 for *Construction of a new five level multi-disciplinary general teaching space building* at the Ross Street Teaching and Learning Hub site within the University of Sydney (USYD), Parramatta Road, Camperdown (Lot 101 in DP 1270568), referred to as **'the site'**.

Works approved under SSD-57838709 (the 'project') for the purpose of this Construction Environmental Management Plan (CEMP), include:

- Construction of Building A01 comprising 5 levels incorporating teaching and learning spaces for general use by all faculties across the University.
- Public domain improvements, including an open plaza, outdoor furniture, pedestrian paths and soft landscaping.
- Removal of stone and metal fence along Parramatta Road frontage for reuse elsewhere within the University.
- Relocation of stone gates further north along Western Avenue.
- Removal of other structures, including guard house in Western Avenue (noting that relocation of demountable buildings was previously approved under the Stage 1 CIP Concept Approval SSD 6123).
- Removal of 22 existing trees.
- Earthworks.
- Traffic and pedestrian access improvements.

This CEMP has been prepared to cover construction of the Ross Street Teaching and Learning Hub by FDC Construction (NSW) Pty Ltd (FDC) in accordance with FDC's Environmental Policy (2019).

A copy of Development Consent SSD-57838709 is attached at Appendix A and reference is made to the Environmental Impact Assessment (EIS) prepared by MG Planning, 19 February 2025, Version 5.

1.2 Construction Environmental Management Plan

This CEMP has been prepared to address the specific requirements of SSD-57838709 and *Environmental Management Plan Guideline, Guideline for Infrastructure Projects* (DPIE, April 2020). The documentation appendices, as listed in the table of contents, support this CEMP, under separate cover.

1.2.1 Scope

This CEMP has been prepared to satisfy Condition B10 of SSD-57838709. The requirements of these conditions, along with the location of response within this CEMP, are listed in Table 1.



Table 1: CEMP Context

SSD-57838709 Consent Condition	CEMP Section
B10. Prior to the commencement of any construction, the Applicant must submit a Construction Environmental Management Plan (CEMP) to the Certifier and publish a copy of the CEMP on the Applicant's website in accordance with condition A23 (Access to Information). The CEMP must include, but not be limited to, the following: (a) Details of:	Noted, this document will be available via FDC's website.
(i) hours of work;	Section 2.3
(ii) 24-hour contact details of site manager;	Section 0
(iii) management of dust and odour to protect the amenity of the neighbourhood;	Section 4.6
(iv) stormwater control and discharge;	Section 4.5
(v) measures to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the site;	Section 4.5
(vi) groundwater management plan including measures to prevent groundwater contamination;	Section 4.5
(vii) external lighting in compliance with AS 4282-2019 Control of the obtrusive effects of outdoor lighting;	Section 4.10
(b) an unexpected finds protocol for contamination and associated communications procedure to ensure that potentially contaminated material is appropriately managed;	Section 4.8
(c) an unexpected finds protocol for Aboriginal and non-Aboriginal heritage and associated communications procedure;	Section 4.7
(d) Construction Traffic and Pedestrian Management Sub-Plan (see condition B11);	Section 4.3 & Appendix H
(e) Construction Noise and Vibration Management Sub-Plan (see condition B12);	Section 4.2 & Appendix G
(f) Construction Waste Management Sub-Plan (see condition B13);	Section 4.11 & Appendix O
(g) Construction Flood Emergency Management Sub-Plan (see condition B14).	Section 4.4 & Appendix Q
B35. Prior to the commencement of construction, the Applicant must ensure Aboriginal heritage management procedures are prepared for the development and included in the Project's Construction Environmental Management Plan (CEMP).	Section 4.7 & Appendix M

1.2.2 Objectives

The objectives of this CEMP are to:

- Establish the framework to manage and mitigate the potential for adverse environmental impacts resulting from construction of the education facility.
- Clearly and concisely document the commitments made in the EIS (SSD-57838709) and Response to Submissions (RTS), including relevant management plans, that are required to be implemented during construction.



- Demonstrate to DPHI how the applicant proposes to meet their regulatory obligations including those outlined in the Development Consent.
- Outline the controls to be implemented by the contractor to meet those obligations.
- Clearly and concisely document the conditions imposed by SSD-57838709 that are required to be implemented and/or complied with during the construction phase.
- Assist to establish the education facility in a manner that avoids (where possible) or minimises impact to the surrounding environment and populace.

1.3 Consultation

1.3.1 SSD-57838709 Requirements

In accordance with SSD-57838709, consultation has been undertaken with the applicable stakeholders:

- City of Sydney Council (Council);
- Transport for NSW (TfNSW);
- Heritage NSW;
- Registered Aboriginal Parties (see Section 1.3.2);
- University of Sydney.

In accordance with various conditions this CEMP, and supporting documentation, was prepared in consultation with the relevant authorities and stakeholders, outlined below:

Condition	Document	Entity	Contact	Date	Correspondence Summary	Response Summary
B11	CTPMSP	Council	Applications portal	19/8/2026	Request for comment on CTPMSP Rev. 4.0 (18/08/2026)	Response not provided as of 7/9/2026
		TfNSW	Project & Service Changes Operations Planning	19/8/2026	Request for comment on CTPMSP Rev. 4.0 (18/08/2026)	28/8/2026 Endorsed subject to conditions not requiring an updated CTMPMSP
B30	HIP	Heritage NSW	To be submitted ahead of CC5 (Q1 2027)	Pending	To be provided ahead of commencement of landscaping	N/A
B31	Archaeological Work Method Statement (AWMS)	Heritage NSW	A/Practice Lead– Major Projects	6/2/2026	Request for comment on AWMS Rev. DRAFT 03 (06/02/2026)	26/2/2026 Highlight that relics of local significance identified require notification



Condition	Document	Entity	Contact	Date	Correspondence Summary	Response Summary
						to Heritage NSW. No further comment
B35	Unexpected Heritage Finds and Human Remains	Registered Aboriginal Parties	Varying	8/6/2026	Request for comment on the Aboriginal Cultural Heritage Management Sub-Plan (ACHMSP) Rev. V1 (6/8/2026)	All responses received were positive

Refer to Appendix L for evidence of consultation.

1.3.2 Aboriginal Cultural Heritage Consultation

Registered Aboriginal Parties (RAP) Consultation

A draft of the Aboriginal Cultural Heritage Management Sub-Plan (ACHMSP) prepared by Urbis (ref: P0048465 and dated 08 August 2026) was sent to all Registered Aboriginal Parties (RAPs) via email on 8 June 2026, requesting review and comment within 28 days (due date by 3 September 2026). Two (2) responses were received via telephone in relation to the draft ACHMP. These responses were in support of the methodology.

Evidence of consultation is provided at Appendix L, and within the ACHMSP dated 3 September 2026, at Appendix M.

Ongoing Consultation

As detailed in Section 3.1 of the ACHMSP, RAPs identified within the Aboriginal Cultural Heritage Assessment (ACHA) must be kept informed about the project and continue to be provided with the opportunity to be consulted about Aboriginal cultural heritage management requirements for the life of the project.

Specific circumstances in which the RAPs will be consulted include:

- An Aboriginal object or human remains are found.
- Any amendments to the ACHMP are proposed.
- Any further archaeological investigation (e.g. archaeological survey or test excavation)

The RAPs will also be provided with regular updates (i.e. at least every 6 months) throughout the life of the project. Consultation with the RAPs will generally be provided in writing via email (or mail if email unavailable) by the project's representative, or their consultant. All consultation with RAPs must be recorded in a log to ensure auditable compliance.



2.0 Development Description

2.1 Location

The site is situated in the northwest portion of the USYD Camperdown campus, within the City of Sydney Local Government Area (LGA). The campus address is Parramatta Road, Camperdown, which applies to the whole of the USYD Camperdown campus, and consists of multiple allotments. The location of the project is over Lot 101 in DP 1270568.

The location of the development is known as Ross St Teaching & Learning Hub (A01), as shown in Figure 1, Figure 2, Figure 3 and Figure 4 below. The site currently comprises vacant single storey demountable buildings, grassed area, Ross Street entrances gates, and the immediately adjacent portions of Ross Street and Science Road.

It is bound to the north by Parramatta Road, to the west by Ross Street (also known as Western Avenue), to the south by Science Road, and to the east by the Social Sciences Building (A02) and RD Watt Building (A04). The site has a total area of 4,738m².

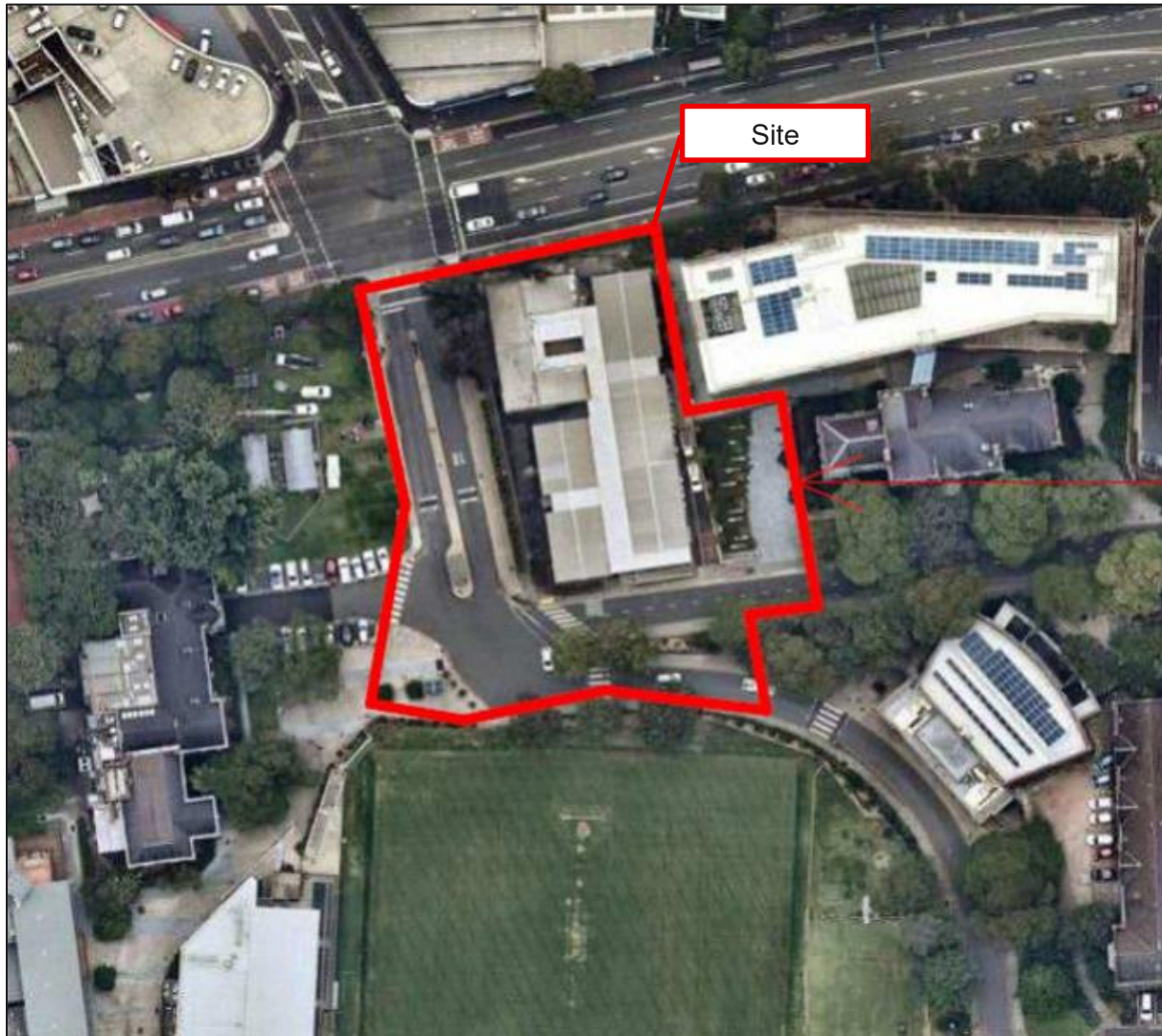
Figure 1: Map of site in its regional setting (Source: BVN Architecture, EIS)



Figure 2: Context & Locality Plan (Source: Approved Plans, Oculus, SSDA00, Issue 5)



Figure 3: Site Aerial (Source: BVA Architecture, EIS)



PARRAMATTA ROAD

BIKE LANE AND BIKE BOX LANE ARRANGING

CIP ENVELOPE

A03

JD STEWART BUILDING B01

PRE-PAID PAGE

WESTERN AVENUE

SOLAR PANELS

SOCIAL SCIENCES BUILDING (FAS)

RD WATT BUILDING A04

CIP ENVELOPE

LOADING BAY

NEW BOOSTER ASSEMBLY VALVES

SCIENCE ROAD

UNIVERSITY OVAL NO.2

PROPOSED SITE PLAN

SCALE
1:1000
0 1000 2000

STATUS
DRAWING

PROPOSED SITE PLAN

DRAWING NUMBER
AR-02A-SX-04

ISSUE
01

CLIENT
UNIVERSITY OF SYDNEY

PROJECT
A11 ROSS ST TEACHING & LEARNING HUB
BIM PROJECT NUMBER
2306010

TRUE NORTH

PROJECT NORTH

ARCHITECTS
BYRON DESIGN
100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/97

Construction is scheduled to commence in September 2026 and will likely extend until April 2028. The construction activities will be staged and are summarised in Table 2.

Milestone	Indicative date
Programme	September 2026 – April 2028
Project Commencement	18 June 2026
FDC Mobilisation on Site	31 August 2026
Crown Certificate 1 – Services Relocation & Contaminated Fill Removal, Heritage Palisade Removal & Archaeological Investigations	07 September 2026
Crown Certificate 2 – Shoring, Piling, Bulk & Detailed Excavation & Inground Services	15 September 2026
Bulk Excavation Complete	11 February 2027
Tower Crane Erection	10 March 2027
Crown Certificate 3 – Slab on Ground & Structure	19 February 2027
Ground-Floor Podium Slab Poured	23 April 2027
Crown Certificate 4 – Façade inc. Structural Steelwork, Fitout, Services, and Internal Landscaping	13 May 2027
Structure Complete	19 July 2027

Milestone	Indicative date
Façade Installation Commences	16 August 2027
Crown Certificate 5 – Public Domain & University Roads	01 September 2027
Building Envelope Complete	19 October 2027
Tower Crane Removal	15 December 2027
Internal Fitout and Finishes Complete	06 March 2028
External Works Complete	06 March 2028
Occupation Certificate / Nett Practical Completion	22 March 2028
Practical Completion	26 April 2028

2.3 Construction Hours

Construction hours for the SSD approved works will be in accordance with Condition C4 and Condition C7 of Development Consent SSD-57838709 and Section 2.2 of the CNVMSP prepared by E-LAB Consulting, which are reproduced in Table 3 and Table 4.

Table 3: Construction Hours and Material Deliveries

Day	Time
Monday – Friday	7 am to 6 pm
Saturday	8 am to 1 pm
Sunday & Public Holidays	No Work

Additional Construction activities may be undertaken as per Table 4 below:

Table 4: Noisy Works Construction Hours*

Day	Time
Monday – Friday	9 am to 12 pm noon 2 pm to 5 pm
Saturday	9 am to 12 pm noon
Sunday & Public Holidays	No Work

**Rock breaking, rock hammering, sheet piling, pile driving and similar activities*

2.4 Construction Contact Details

Table 5 lists the key contacts during the construction of the education facility.

Table 5: Construction Contact List

Role	Name	Company	Contact Details
Senior Site Manager	David Pereira	FDC	Mobile: 0415 241 170 Email: davidper@fdcbuilding.com.au
Senior Project Manager	Ian Short	FDC	Mobile: 0403 504 197 Email: ians@fdcbuilding.com.au



2.5 Construction Site Access

FDC have consulted with Transport for NSW and City of Sydney when developing the Construction Traffic and Pedestrian Management Sub-Plan (CTPMSP), which was written by SCT Consulting. Following this consultation, general endorsement has been provided by both authorities. The CTPMS is attached in Appendix H.

According to the endorsed (CTPMSP), all construction vehicles will approach campus from the east from King Street or City Road via Carillon Avenue, then continue north along Western Avenue to enter the site through Gate 1. After completing loading/unloading within the site or approved work areas, construction vehicles will then exit the site through Gate 2, continue north along Western Avenue to the signalised intersection at Parramatta Road, and then join the surrounding road network. This haulage route allows for larger vehicles such as 19m semi-trailer to enter the USYD campus with minimised impact to surrounding traffic. All vehicles would enter and exit the USYD campus in a forward direction.

The truck route for the construction is shown in Figure 5. Gate positions, vehicle path, pedestrian gate, traffic control and more are found in the site plan at Figure 6.

Construction vehicles entering, exiting and driving around the site will be required to give way to pedestrians at all times, as required under the NSW Road Rules. Pedestrian paths of travel will be maintained during the works, except for short-duration holds associated with access to the site compound and storage area. The existing closure of the eastern footpath adjacent to the principal construction site will remain in place.

In due course, an additional temporary pedestrian footbridge (5m clearance height) over Ross Street/Western Avenue will be provided as separated worker access between the western compound and the principal construction site. The appointed contractor will install fencing/hoarding around the main site area to ensure pedestrians do not enter this restricted zone.

To keep construction related traffic to a minimum on the surrounding roads, it is necessary to define routes for construction traffic to and from the construction site. These access routes are to predominantly utilise arterial roads and minimise the use of local roads where possible. Construction traffic avoids travelling southbound along Western Avenue between the site and Carillon Avenue after leaving the site and establishes a consistent forward-moving circulation arrangement.

Emergency vehicle access will be maintained at all times, or if necessary, site personnel will grant access to emergency vehicles entering the site if required.

The contractor will liaise with the NSW Police, Fire Brigade and emergency services agencies throughout construction, and a 24-hour contact would be made available for 'out of hours' emergencies and access. USYD Protective Services will lead emergency response and coordination with the Emergency Services. The emergency services will be briefed through the appropriate forum.



Figure 5: Construction Vehicle Routes (Source: CTPMSP, SCT Consulting)

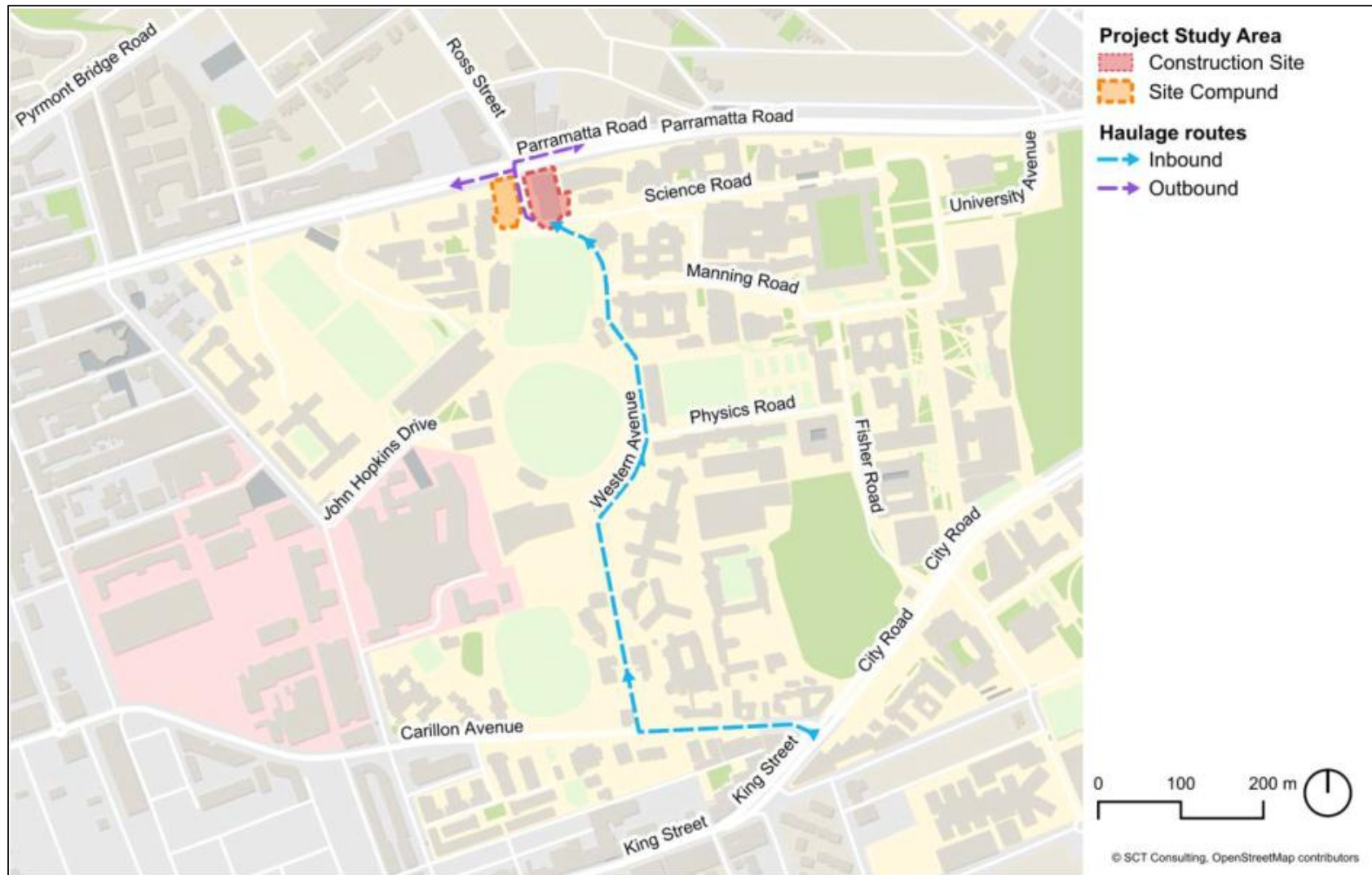
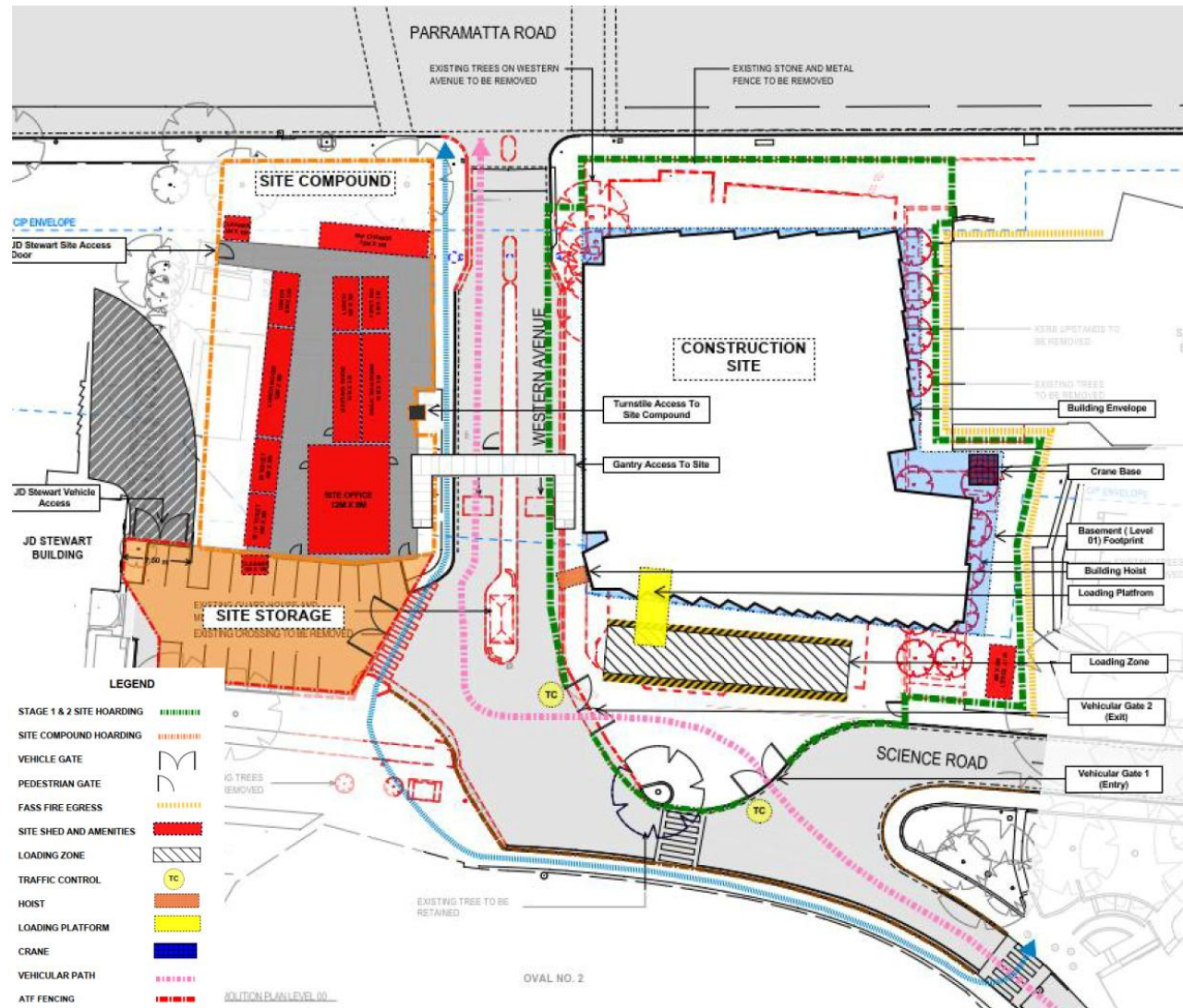


Figure 6: Site Plan of Proposed Stage 1 Works (Source: CTPMSP, SCT Consulting)



3.0 Environmental Management Framework

3.1 Environmental Policy

FDC implements an Integrated Management System which assists in meeting their corporate responsibilities. FDC management intends that all employees, relevant sub-contractors and suppliers are made aware of their environmental responsibilities and the environmental impacts associated with their activities, products and services.

FDC's Environmental Policy (2019) is certified to AS/NZS ISO 14001:2016 Environmental Management Systems. A copy of the Environmental Policy is attached at Appendix C.

3.2 Roles and Responsibilities

The key personnel responsible for environmental management during construction of the education facility are listed in Table 6.

Table 6: Responsible for Environmental Management

Role	Responsibilities
Client's Project Manager	- Overall management accountability for all activities relating to the project. - Liaison with principal stakeholders who will act on behalf of USYD. - Facilitates and attends stakeholder meetings and briefings. - Responds to specific issues raised by stakeholders.
Project Manager – (Ian Short)	- Overall responsibility for environmental management and compliance with SSD-57838709 and relevant legislation. - Oversee the implementation of this CEMP and request adequate resources to enable implementation of this CEMP. - Liaise with USYD to keep them informed of the project's progress. - Coordinate environmental inspections and reporting and authority liaisons. - Record, notify, investigate and respond to any environmental incidents and, where necessary, develop and implement corrective actions. - Be the primary daily contact to the public handling of enquiries / complaints management / interface issues. - Be available for contact by local residents and the community at all reasonable times to answer any questions. - Direct reasonable steps to be taken to avoid or minimise any unintended or adverse environmental impacts, and, failing the effectiveness of such steps, direct that the relevant actions cease immediately should an adverse impact on the environment be likely to occur. - Provide adequate environmental inductions/training to employees and contractors regarding their requirements under this CEMP.
Site Manager (David Pereira)	- Ensure the legislative and corporate safety, health and environment management measures and controls are implemented and maintained. - Participate in risk and hazard identification and control. - Participate in incident investigations and management. - Participate in health and safety inspections.
All employees and contractors	Ensure familiarity, implementation and compliance with this CEMP and appended management plans.



Role	Responsibilities
	- Support FDC's commitment to sustainability, environmental management and compliance. - Work in a manner that will not harm the environment or impact on surrounding receptors. - Report all environmental incidents and complaints to the Project Manager without delay. - Report any inappropriate construction practices and/or environmental management practices to the Project Manager without delay.

3.3 Statutory Requirements

Development Consent SSD-57838709 was granted to USYD under Section 4.38 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) on 17 December 2025 for *Construction of a new five level multi-disciplinary general teaching space building*. Further details on the project are provided in Section 1.1. Further details on statutory requirements are provided within the Environmental Impact Statement (EIS) (MG Planning 2025), submitted as part of the Development Application (DA).

The conditions relevant to the construction of the education facility are outlined in Table 7. A copy of SSD-57838709 consent is attached at Appendix A.

Table 7: Relevant Consent Conditions for Environmental Performance and Management

Development Consent SSD-57838709	Relevance to this Report
Schedule 2, Part A – Administrative Conditions	
Obligation to Minimise Harm to the Environment	
A1. 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.	CEMP
Evidence of Consultation	
A9. Where conditions of this consent require consultation with an identified party, the Applicant must consult with the relevant party and provide details of consultation undertaken.	Section 1.3
Monitoring and Environmental Audits	
A22. 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.	Section 5.0
Access to Information	
A23. At least 48 hours before the commencement of construction until the completion of all works under this consent, the Applicant must make approved plans, monitoring results, complaints register, audit reports and other required information publicly available on its website.	Noted
Compliance	



Development Consent SSD-57838709		Relevance to this Report
A24. 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.		Section 3.4
Incident Notification, Reporting and Response		
A25. The Planning Secretary must be notified through the major projects portal immediately after the Applicant becomes aware of an incident.		Section 3.5
A26. Subsequent notification must be given and reports submitted in accordance with the requirements set out in Appendix 2.		Section 3.5
Non-Compliance Notification		
A27. The Planning Secretary must be notified through the major projects portal within seven days after the Applicant becomes aware of any non-compliance.		Section 3.5
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 and what actions have been, or will be, undertaken.		Section 3.5
A29. A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.		Section 3.5
Revision of Strategies, Plans and Programs		
A30. Within three months of an incident report, independent audit, consent modification or Planning Secretary direction requiring review, the strategies, plans and programs required under this consent must be reviewed.		Section 6.0
A31. If necessary to improve environmental performance, cater for a modification or comply with a direction, the strategies, plans, programs or drawings required under this consent must be revised.		Section 6.0
Schedule 2, Part B – Prior to Commencement of Construction		
Environmental Management Plan Requirements		
B9. Management plans required under this consent must be prepared having regard to the Environmental Management Plan Guideline: Guideline for Infrastructure Projects (DPIE April 2020).		Section 1.2
Construction Environmental Management Plan		
B10. Prior to the commencement of any construction, the Applicant must submit a Construction Environmental Management Plan (CEMP) to the Certifier and publish a copy on the Applicant's website.		CEMP
B11. Construction Traffic and Pedestrian Management Sub-Plan.		Section 4.3 & Appendix H
B12. Construction Noise and Vibration Management Sub-Plan.		Section 4.2 & Appendix G
B13. Construction Waste Management Sub-Plan.		Section 4.11 & Appendix O
B14. Construction Flood Emergency Management Sub-Plan.		Section 4.4 & Appendix Q
B15. A Driver Code of Conduct must be prepared and communicated by the Applicant to heavy vehicle drivers.		Section 4.3



Development Consent SSD-57838709		Relevance to this Report
Soil and Water		
B18. Prior to commencement of construction, install erosion and sediment controls and divert existing clean surface water around operational areas.		Section 4.5
B19. Erosion and sediment controls must be installed and maintained in accordance with the Blue Book.		Section 4.5
Flood Management		
B20. Prepare and implement flood warning procedures and evacuation/refuge protocols.		Section 4.4 & Appendix Q
Heritage		
B31. Archaeological monitoring is required and an Archaeological Work Method Statement must be prepared.		Section 4.7
Aboriginal Cultural Heritage		
B35. Aboriginal heritage management procedures must be prepared and included in the CEMP.		Section 4.7 & Appendix M
Schedule 2, Part C – During Construction		
Site Notice		
C1. Site notices must be displayed with project and contact information.		Section 3.6
Operation of Plant and Equipment		
C2. 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.		Section 4.1
Construction Hours		
C4-C7. Construction hours and out-of-hours construction requirements.		Section 2.3 & 4.2
Implementation of Management Plans		
C8. The Applicant must carry out the construction of the development in accordance with the most recent version of the CEMP (including Sub-Plans).		Section 6.0
Construction Traffic		
C9. Construction vehicles are to be contained wholly within the site except where otherwise approved.		Section 4.3
Hoarding Requirements		
C10. Hoarding requirements including no third-party advertising and graffiti removal.		Section 4.10
Construction Noise Limits		
C12-C14. Construction noise limits and management requirements.		Section 4.2
Vibration Criteria		
C15-C17. Vibration limits and monitoring requirements.		Section 4.2
Tree Protection		
C18. Tree protection requirements during construction.		Section 4.9
Air Quality		
C19. Take all reasonable steps to minimise dust generated during works.		Section 4.6



Development Consent SSD-57838709	Relevance to this Report
C20. Dust management measures during construction.	Section 4.6
Soil and Water	
C21. Maintain erosion and sediment controls throughout construction.	Section 4.5
Imported Fill	
C22. Imported fill requirements and record keeping.	Sections 4.5 & 5.2
Disposal of Seepage and Stormwater	
C23. Adequate stormwater collection and discharge during construction.	Section 4.5
Emergency Management	
C24. Awareness training for employees and contractors including evacuation routes and assembly points.	Section 3.4
Aboriginal Cultural Heritage	
C26-C30. Aboriginal cultural heritage management and unexpected finds procedures.	Section 4.7 & Appendix M
Unexpected Finds Protocol – Historic Heritage	
C31. Unexpected archaeological relics procedure.	Section 4.7
Waste Storage and Processing	
C32-C36. Construction waste management, classification, disposal and record keeping.	Section 4.11 & Appendix O
Outdoor Lighting	
C37. External lighting must comply with AS 4282-2019.	Section 4.10
Site Contamination	
C38-C42. Site contamination investigation, remediation and validation requirements.	Sections 4.5, 4.8 & 5.3
Independent Environmental Audit	
C43-C48. Independent environmental audit requirements.	Section 5.3
TfNSW – Road Occupancy Licence	
C49. A Road Occupancy Licence shall be obtained for works impacting traffic flows.	Noted

3.4 Inductions and Environmental Training

The Project Manager will ensure that all employees and contractors involved in the construction of the education facility are appropriately inducted and trained prior to commencing work on site. Training in relation to environmental responsibilities and implementation of this CEMP will take place initially through the site induction training and then on an ongoing basis through ‘toolbox talks’ (or similar).

The environmental induction training will cover all elements of the CEMP and will include, as a minimum, the following:

- Purpose and objectives of the CEMP;
- Requirements of due diligence and duty of care;



- Conditions of any environmental licences, permits and approvals;
- Potential environmental emergencies on site and the emergency response procedures, locations and training in the use of emergency spill kits for spills on water and on land;
- Reporting, notification and management requirements for pollution, contamination and other environmental incidents, and for damage and maintenance to environmental controls;
- Incident management process and requirements;
- High-risk activities and associated environmental safeguards i.e. earthworks, vegetation clearing, night works, operation and maintenance of concrete washouts, and washing, refuelling and maintenance of plant and equipment;
- Working in or near environmentally sensitive areas; and
- Site-specific issues including noise, soil and water, air quality and traffic management.

Toolbox talks will be held to identify environmental issues and controls when works commence in a new area of the site or a new activity, as well as when environmental issues arise on site. The toolbox talk will include, but not be limited to:

- A description of the activity and the area;
- Identification of the environmental issues and risks for the area; and
- Outline the mitigations measures for the works and the area (see Section 4).

All employees conducting environmental training and site staff assigning work activities will demonstrate that they are competent and appropriately trained to train and manage construction site specific environmental issues.

A register of all environmental training carried out, including dates, names of persons trained, and trainer name and qualification details will be established and maintained for the duration of works.

3.5 Incident and Non-Compliance Response and Handling Procedure

For the purposes of this CEMP, SSD-57838709 describes an 'incident' as "*An occurrence or set of circumstances that causes, or threatens to cause, material harm and which may or may not be, or cause, a non-compliance*". SSD-57838709 describes a 'non-compliance' as "*An occurrence, set of circumstances or development that is a breach of this consent*".

3.5.1 Performance Objective

To ensure that any incident and/or non-compliance caused by or relating to the construction of the education facility is effectively responded to, and any resulting adverse environment and/or human health impact is promptly prevented or effectively managed.

3.5.2 Responsibility

The Project Manager is responsible for ensuring that the appropriate management response and handling procedures are instigated and carried through in the event of an incident and/or non-compliance. All employees, contractors and subcontractors are to:

- Notify the Project Manager of any hazard or potential hazard that may result in an incident and/or non-compliance, regardless of the nature or scale; and



- Take immediate action (where it is safe to do so) to prevent, stop, contain and/or minimise any adverse impact associated with an incident and/or non-compliance.

The induction and toolbox talks outlined in Section 3.4 will be used to ensure all site employees, contractors and subcontractors are aware of and understand their obligations for incident and/or non-compliance response.

3.5.3 Notification Requirements

3.5.3.1 Incidents

Section 147 of the *Protection of the Environment Operations Act 1997* (POEO Act) defines material harm as:

(1) *For the purposes of this Part—*

a) *harm to the environment is material if:*

- (i) *it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, or*
- (ii) *it results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$50,000 (or such other amount as is prescribed by the regulations), and*

b) *loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.*

(2) *For the purposes of this Part, it does not matter that harm to the environment is caused only in the premises where the pollution incident occurs.*

Notification responsibilities for incidents that have caused or threaten to cause material harm to the environment are detailed in Section 148 of the POEO Act. In summary, these are broadly categorised as:

Duty of an employee or any person undertaking an activity:

Any person engaged as an employee or undertaking an activity with regard to the project will, immediately after becoming aware of any potential incident (even if outside of normal business hours), notify the Project Manager of the incident and all relevant information about it. The Project Manager will be available 24 hours a day, seven days a week and have the authority to stop or direct works.

Duty of an employer or occupier of the premises to notify:

The employer or occupier of the premises (in this case, the Project Manager) on which the incident occurred, who is notified (or otherwise becomes aware of) of the incident, will immediately notify the relevant authorities about the incident and all relevant information.

Under the POEO Act, “relevant authority” means any of the following:

- *The appropriate regulatory authority*
- *If the Environment Protection Authority (EPA) is not the appropriate regulatory authority – the EPA*
- *If the EPA is the appropriate regulatory authority – the local authority for the area in which the pollution incident occurs (i.e. Council)*
- *SafeWork NSW*
- *Fire and Rescue NSW.*



Table 8 lists the contact details for these authorities. The person reporting the pollution incident will provide the following key details:

- Location of the pollution incident/emergency;
- Nature of the pollution incident/emergency;
- Their name and contact details; and
- Details of any required assistance.

Table 8: Regulatory Authority Contact List

Regulatory Authority / Stakeholder	Key Contact		Contact Details
Department of Planning, Housing and Infrastructure (DPHI)	Planning Customer Support		1300 420 596 information@planning.nsw.gov.au
Environment Protection Authority (EPA)	Environment Line		131 555 info@epa.nsw.gov.au
	Head office (Paramatta)		02 9995 5000
City of Sydney Council	Main switchboard		(02) 9265 9333 council@cityofsydney.nsw.gov.au
NSW Public Health Unit	South Eastern Local Health District		Business hours: 02 9382 8333 After hours: (02) 9515 6111 (Royal Prince Alfred Hospital)
SafeWork NSW	Incident Notification Hotline		131 050 Select Option 3 to report a "Serious Incident or Fatality" – this will result in the incident being recorded and the appropriate person being contacted.
Emergency Services	NSW Police NSW Fire and Rescue NSW Ambulance Service	131 444 1300 729 579	In case of emergency – 000
University of Sydney	Campus Security (24hr)		Urgent – 02 9351 3333 Non-Urgent – 2 9351 3487
	Campus Assistance		1300 226 787
	USYD Protective Services		1800 793 457

3.5.3.2 Non-Compliances

In accordance with Condition A27 of SSD-57838709, the Planning Secretary must be notified via the Major Projects website within seven days of becoming aware of any non-compliance.

A28 and A29 of SSD-57838709 states a non-compliance notification will identify the development and the application number for it, set out the condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.



A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.

3.5.4 Incidents and Non-Compliance Handling Procedure

Upon becoming aware of an incident and/or non-compliance, the procedure outlined below will be followed.

1. Preventative Action

Where possible and safe to do so, immediate action will be taken to prevent, stop, contain and/or minimise the environmental impact of the incident and/or non-compliance.

In the unlikely event that an incident and/or non-compliance requires the evacuation of the site, actions will be completed in accordance with evacuation procedures. All employees and contractors are to be made aware of the location of emergency assembly areas through site inductions, signage and regular toolbox talks.

2. Assistance

If adequate internal resources are not available and the incident and/or non-compliance threatens public health, property or the environment, it is essential that Fire and Rescue NSW be contacted by telephoning “000” for emergency assistance.

Contacting Fire and Rescue NSW does not negate the notification requirements in Section 3.5.3.

3. Notify

Under the provisions of the POEO Act, there is a duty to notify any incident that has caused or threatens to cause material harm to the environment and all relevant information about the incident. The specific duties to notify are outlined above in Section 3.5.3.

In the event of a serious incident or emergency, it is more than likely that Fire and Rescue NSW will take control and manage the required investigation and remedial activities. Any instructions issued will be strictly adhered to.

Condition A25 and Appendix 2 of Development Consent SSD-57838709 requires that the DPHI and other relevant authorities be provided with a written incident notification via the Major Projects website after the incident. Written notification is required within 7 days of the incident and will:

- Identify the development and application number
- Provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident)
- Identify how the incident was detected
- Identify when the Applicant became aware of the incident
- Identify any actual or potential non-compliance with conditions of consent
- Describe what immediate steps were taken in relation to the incident
- Identify further action(s) that will be taken in relation to the incident; and
- Identify a project contact for further communication regarding the incident.

Non-compliances will be notified in accordance with Section 3.5.3.2.

4. Investigate



Undertake immediate investigative work to determine the cause of the incident and/or non-compliance.

5. Remedial Action

Undertake appropriate remedial action to address the cause of the incident and/or non-compliance and mitigate any further environmental impact. In some instances, outside resources such as specialist contractors/consultants may be required.

6. Record

It is imperative that an honest assessment of the situation is carried out and documented in order to minimise the potential for similar events in the future. On this basis, every incident is to be recorded in an Incident Report (Appendix D). A copy of the completed report will be maintained for at least five years by FDC.

Condition 3 of Appendix 2 of Development Consent SSD-57838709 requires that a detailed incident report be provided to the DPHI within 30 days of the incident occurring.

The detailed incident report will 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.

All non-compliances are recorded in accordance with Condition A28 of SSD-57838709.

7. Preventative Action

Once the incident and/or non-compliance has been suitably handled, appropriate measures will be identified and implemented to reduce the possibility of re-occurrence.

3.5.5 Incidents and Non-Compliance Register

An Incidents and Non-Compliance Register will be maintained during construction and will contain the following:

- A copy of the environmental incident and non-compliance notification requirements and handling procedure contained above in Section 3.5.3 and 3.5.4;
- Site evacuation procedures;
- A separate reference sheet containing the contact details for the contacts listed in Table 5 the contact details for the regulatory authorities listed in Table 8;
- Blank hard copies of the Incident Report; and
- Copies of all completed Incident Report which are to be maintained for at least five years after the event to which they relate.

3.5.6 Non-Reportable Incidents

There is the possibility of non-reportable incidents occurring as part of this project. SLR have defined a 'Non-Reportable Incident' as an incident where there has been no potential or actual material harm to the environment (see 'material harm' definition outlined in Section 3.5.3). Examples may include excessive dust impacts sighted by the project team or a small,



contained hydrocarbon spill that does not leave a site boundary and are cleaned up without residual on-site environmental harm.

Non-reportable incidents will still be handled under the process outlined in Section 3.5.4, except there will be no requirement for government notification. All incidents will be recorded in the Incidents and Non-Compliance Register. A non-reportable incident does not constitute a non-compliance with the Development Consent.

3.6 Complaints Response and Handling Procedure

3.6.1 Performance Objective

To ensure that all environmental complaints in relation to the construction of the education facility are promptly and effectively received, handled and addressed.

3.6.2 Responsibility

The Project Manager is responsible for ensuring that the appropriate management response and handling procedures are instigated and carried through in the event of an environmental complaint. The induction and toolbox talks outlined in Section 3.4 will be used to ensure all site employees are aware of and understand their obligations for complaints response.

All employees who take receipt of a complaint, either verbal or written, are to immediately notify the Project Manager.

A notice board shall be located at the main entrance to the site in a prominent position and shall include the following:

- a) 24 hour contact person.
- b) Telephone and facsimile numbers and email address.
- c) Construction activities and time frames.

The site notice shall be erected no less than 2 days prior to the commencement of works, in accordance with the requirements in Consent Condition C1.

3.6.3 Complaints Handling Procedure

Upon becoming aware of a complaint, the protocol outlined below will be followed.

1. Record and Acknowledge

Any employee who takes receipt of a complaint, either verbal or written, are to immediately notify the Project Manager. The Project Manager will be available 24 hours a day, seven days a week and have the authority to stop or direct works. All relevant contact details are available in Table 5.

In the normal course of events, the first contact for complaints will usually be made in person or by telephone. The complainant's name, address and contact details, along with the nature of the complaint, will be requested. If the complainant refuses to supply the requested information, a note will be made on the form and complainant advised of this. The complaints register will record details of all complaints received and the means of resolution of those complaints.

2. Assess and Prioritise

The Project Manager will prioritise all complaints by considering the seriousness of the complaint including risk to health and safety and will attempt to provide an immediate response via phone or email.



3. Investigate

A field investigation will be initiated within 24 hours (unless it is an incident/emergency) in an attempt to confirm details relevant to the complaint and the cause of the problem. Any monitoring information and/or records at and around the time of the complaint will be reviewed for any abnormality or incident that may have resulted in the complaint.

If the complaint is due to an incident, the notification requirements and handling procedures outlined in Section 3.5.3 and 3.5.4 respectively will be followed.

4. Action or Rectify

Once the cause of the complaint has been established, every possible effort will be made to undertake appropriate action to rectify in a reasonable timeframe (subject to the magnitude of the complaint) the cause of the complaint and mitigate any further impact, including whether works relating to the complaint can be avoided or minimised. The Project Manager will assess whether the complaint is founded or unfounded and delegate the remediation, as required.

5. Respond to Complainant

The Project Manager will oversee the rectification of the issue and respond to the complainant once the issue has been resolved. The complainant will be provided with a follow up verbal response on what action is proposed within 24 hours, and what remedial actions were taken. Where a complaint cannot be resolved by the initial or follow-up verbal response, a written response will be provided to the complainant within ten days.

6. Record

It is imperative that an assessment of the situation is carried out and documented in order to minimise the potential for similar complaints in the future. On this basis, every complaint received is to be recorded in the Complaints Register (Appendix E). A copy of the Complaints Register will be maintained for at least five years. In accordance with Condition A23 of SSD-57838709, the Complaints Register will be uploaded to the website 48 hours prior to commencing construction and will be updated monthly.

7. Preventative Action

Once the complaint has been recorded, appropriate measures will be identified and implemented to negate the possibility of re-occurrence if applicable. The Complaints Register is not finalised until the preventative actions are completed and recorded on the form.

3.6.4 Complaints Register

The Complaints Register will be updated monthly on the website and maintained onsite during construction with a copy of the following:

- The environmental complaint handling procedure contained in Section 3.6.3.
- A separate reference sheet containing the contact details listed in Table 5.
- Hard copies of FDC's Complaints Register (see Appendix E) which is to be maintained for at least five years after the event to which it relates.

The complaints register shall be made available to Council on request.

3.7 Dispute Resolution

In the event that a dispute arises between FDC and Council or a public authority, in relation to an applicable requirement in this consent or relevant matter relating to the construction of



the education facility, either party may refer the matter to the Planning Secretary for resolution. The Planning Secretary's determination of any such dispute will be final and binding on the parties.

In the case of a dispute between FDC and a community member/complainant, either party may refer the matter to the DPHI and/or relevant regulatory authority for consideration, advice and/or negotiation. If the matter escalates, a third-party mediator may be required.

3.8 Environmental Risk Assessment

A Site Risk Assessment was undertaken on 5 August 2026 which included environmental risks. Please find under Appendix F.

A Flood Risk Assessment was undertaken as part of the EIS (EIS Appendix HH) by GRC Hydro.

3.9 Hold Points

The anticipated hold points, and/or stop work orders, which may occur and what would trigger them are including in Table 9 below.

Table 9: Hold Points

Item	Details
Monitoring And Reporting Requirements	
1. Groundwater Drawdown or Damming Levels	If measured groundwater levels exceed predicted groundwater levels or historical levels, then further geotechnical advice will be required.
2. Groundwater Inflow Rates to Basement Excavation	If groundwater inflow rates begin to exceed estimated rates of the Groundwater Impact Assessment or water-take Licences (or Exemptions) from regulatory authorities, then further geotechnical advice is required, and this management plan may need to be revised.
3. Visual Inspection	If any of the visual inspection signs are noted, then any discharge will be suspended until further analytical testing is completed.
4. Water Quality Sampling and Testing	If laboratory results indicate that outlet concentrations exceed screening criteria, the cause of the exceedance is to be investigated, and contingency strategies must be considered. Depending on the nature and degree of the exceedance, it may be necessary to halt discharge until such time that the situation is rectified and contingencies are implemented.
5. Noise & Vibration Monitoring	If monitored noise levels exceed the project-specific noise management levels, highly noise affected criteria, or if vibration levels exceed the nominated human comfort, cosmetic damage or structural damage criteria, work practices shall be reviewed immediately. The cause of the exceedance shall be investigated and additional mitigation measures implemented. All exceedances, complaints, corrective actions and monitoring results shall be recorded and reported in accordance with the project's environmental reporting requirements.



Item	Details
6. Quantity of Water Disposed Off-Site	If outlet volumes begin to exceed the nominated treatment system capacity, discharge will be halted before water quality exceeds the adopted screening criteria. If quantity of water disposed off-site begins to exceed that of water-take Licences (or Exemptions) from regulatory authorities, then this management plan may need to be revised and relevant authorities notified.
At any hold point above, with the exception of Items 1, 2, and 6 that are related to groundwater levels and quantity, if any non-conformance is encountered then dewatering must be suspended and/or additional on-site temporary storage provided. For Items 1, 2 and 6 of Table 9 above, if any non-conformance of a hold point is encountered then a review by the geotechnical consultant for the project would be required to develop an appropriate contingency plan.	
During Construction Works	
Unsafe Activity	Unsafe activity shall be immediately reported to FDC and a stop work process initiated until the hazard, activity and/or Safe Work Method Statement (SWMS) is rectified.
High Wind Velocity	Reduce work activities/stop work during moderate to high wind velocity periods.
Contaminated Soil	Stop work if unexpected potentially contaminated soils are encountered.
Grey/Yellowed Mottled Soils	If odorous soils (rotten egg gas) or grey/yellowed mottled soils encountered, stop work.
Noise and Vibration	Noise and vibration monitors will be established during the site remediation and bulk excavation phase of the project. Both monitors will provide real time data, which will inform FDC of any exceedances from the criteria detailed in ELAB's Noise and Vibration Management Plan. Where applicable, works will immediately cease, discussed with USYD and alternative methodologies or timings implemented. This approach has been proactively discussed with USYD during the CIUG meetings ahead of works commencing on site. Refer to Table 24 for more detail.



4.0 Environmental Management Commitments

Environmental aspects with the potential to be impacted through the construction of the education facility are addressed in the following sub-sections. These issues have specific regulatory requirements imposed by SSD-57838709 and are detailed as required in the EIS or relevant sub-plans, and/or are considered to have the highest potential to result in a non-compliance with a legislative requirement or generate community complaints. The tables in this section are a compliance management tool outlining how controls are to be implemented.

4.1 General

Table 10 lists the general environmental controls that will be implemented throughout the construction of the education facility to minimise the potential for adverse impacts on the local environmental and surrounding receptors.

Table 10: General Construction Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
Prepare and implement a Construction Environmental Management Plan (CEMP).	Prior to construction and throughout construction (this document)	Consent condition B10, C8.
Ensure all employees, contractors and subcontractors are aware of and comply with consent requirements and environmental controls.	Prior to commencement and throughout construction	Consent condition A24.
Implement all reasonable and feasible measures to prevent or minimise environmental harm.	Throughout construction	Consent condition A1.
Maintain construction plant and equipment in proper and efficient working condition.	Throughout construction	Consent condition C2.
Undertake demolition works in accordance with approved demolition plans and Australian Standards.	During demolition	Consent condition B8, C3.
Maintain site notices with project and contact information.	Throughout construction	Consent condition C1.
Update CTPMSP and undertake demolition and construction works in accordance with the approved CTPMSP.	Prior to and during construction	EIS 6.22.1; Consent condition B11, C8.
Provide communication to staff, students and stakeholders regarding access changes before works commence.	Prior to relevant construction activities	EIS 6.20.3.

4.2 Noise and Vibration

As required by Condition B12 a Construction Noise and Vibration Management Sub-Plan (CNVMSP) was prepared by E-LAB (3/9/2026, Rev 003) and is attached at Appendix G. Noise and vibration mitigation measures were outlined in the EIS under Section 6.11.3.

While the CNVMSP should be referred to for specifics the environmental management controls in Table 11 will be implemented to minimise the potential for adverse noise and vibration emissions from the construction of the project.

Table 11: Noise and Vibration Construction Environmental Management Controls



Environmental Management Control	Timing / Frequency	Reference / Notes
Noise Management Controls		
Construction Equipment and Plant		
Construction equipment/machinery shall be suitably selected based on optimal size and power to minimise equipment sound power levels and associated noise emissions.	Prior to construction and during construction	CNVMSPP Section 7.1.1 Consent conditions B12(b)-(c) & C12
Bored piles are to be used in lieu of driven piles to significantly reduce vibration generation	Prior to construction and during construction	CNVMSPP Section 7.1.1 Consent conditions B12(c)
Contractor shall use best endeavours to minimise the amount of noise-intensive works.	During construction	CNVMSPP Section 7.1.1 Consent conditions B12(b)-(c) & C12.
Site Hoarding and Barriers		
Use Class A/Class B hoarding around the site. Hoarding should: - Be impervious and free of gaps and cracks. - Be constructed from acoustically suitable materials such as 15 mm plywood. - Be a minimum height of 2.1 m to 2.4 m around the site.	Prior to construction and during construction	CNVMSPP Section 7.1.1 Consent conditions C10 & C12
Material Handling		
Material drop zones shall be located internally within the site, behind perimeter hoarding and as far as practicable from nearby noise-sensitive receivers.	During construction	CNVMSPP Section 7.1.1 Consent conditions B12(c) & C12
Working Hours		
All demolition activities shall be undertaken in accordance with the approved construction hours.	During construction	CNVMSPP Section 7.1.1 Consent conditions C4-C7 & C13
Truck and Vehicle Controls		
Engine brakes shall not be used near residences and built-up areas.	During construction	CNVMSPP Section 7.1.1 Consent conditions B15(c) & C12
Reversing shall be minimised wherever possible.	During construction	CNVMSPP Section 7.1.1 Consent conditions C12 & C14
Trucks shall not idle near residential receivers.	During construction	CNVMSPP Section 7.1.1 Consent condition C12
Engines should be switched off when not in use.	During construction	CNVMSPP Section 7.1.1 Consent conditions C2 & C12
Vehicles should be fitted with straps rather than chains where possible.	Prior to construction and during construction	CNVMSPP Section 7.1.1 Consent conditions B15(c), C12



Environmental Management Control	Timing / Frequency	Reference / Notes
For approved night works, trucks shall use broadband reversing alarms.	During construction	CNVMSP Section 7.1.1 Consent conditions C12 & C14
Sensitive Educational Spaces		
Continual consultation shall be undertaken with the University of Sydney ahead of all noise-intensive works to facilitate relocation or rescheduling of classes where practicable.	Prior to and during noise-intensive works	CNVMSP Sections 7.1.1 & 7.3.1. Consent condition B12(d)
Vibration Management Controls		
Structural Separation		
Where feasible, physical links between the structure and adjoining buildings shall be broken prior to vibration-intensive works using methods such as concrete saw cutting.	Prior to construction	CNVMSP Section 7.1.2 Consent conditions C15 & C17
Plant Selection		
Use lower vibration-generating equipment and smaller capacity plant wherever structural requirements permit.	Prior to construction and during construction	CNVMSP Section 7.1.2 Consent conditions C15 & C17
Material Processing		
Break slabs, asphalt and other materials into smaller pieces to reduce vibration generation.	During construction	CNVMSP Section 7.1.2 Consent conditions C15 & C17
Where feasible, materials should be broken down to pieces less than 300 mm in size.	During construction	CNVMSP Section 7.1.2 Consent conditions C15 & C17
Material weight should be reduced to less than 70 kg where practicable to minimise impact vibration during handling.	During construction	CNVMSP Section 7.1.2 Consent conditions C15 & C17
Material Transfer		
Use material hoists to prevent dropping heavy materials over long distances.	During construction	CNVMSP Section 7.1.2 Consent conditions C15 & C17
General Noise Management Controls		
Source Reduction		
Increase separation distance between noise sources and sensitive receivers.	During construction	CNVMSP Section 7.2.1 Consent conditions B12(b) & C12
Reduce line-of-sight transmission using temporary barriers such as stockpiles, shipping containers and site offices.	During construction	CNVMSP Section 7.2.1 Consent conditions B12(b)-(c) & C12
Construct permanent project barriers early in the works where feasible.	Prior to construction and during construction	CNVMSP Section 7.2.1 Consent conditions C12



Environmental Management Control	Timing / Frequency	Reference / Notes
Install purpose-built noise barriers, acoustic sheds and enclosures.	Prior to construction and during construction	CNVMSPP Section 7.2.1 Consent conditions B12(c) & C12
Fit plant with silencing devices such as engine shrouds and exhaust silencers.	Prior to construction and during construction	CNVMSPP Section 7.2.1 Consent conditions C2 & C12
Maintain tools and machinery in good working order.	During construction	CNVMSPP Section 7.2.1 Consent conditions C2 & C12
Shut down equipment when not in use.	During construction	CNVMSPP Section 7.2.1 Consent conditions C2 & C12
Drill pilot holes before drilling larger holes.	During construction	CNVMSPP Section 7.2.1 Consent conditions C12
Screening Measures		
Use temporary buildings, stores and stockpiles as noise screens.	During construction	CNVMSPP Section 7.2.1.1 Consent conditions C12
Provide continuous hoarding where feasible.	During construction	CNVMSPP Section 7.2.1.1 Consent conditions C10 & C12
Screen 24-hour plant (e.g. pumps and fans) using barriers, trenches or hollows.	During construction	CNVMSPP Section 7.2.1.1 Consent conditions C12
Minimise noise breakout through openings in buildings or structures.	During construction	CNVMSPP Section 7.2.1.1 Consent conditions C12
Reversing Alarm Controls		
Use broadband reversing alarms.	During construction	CNVMSPP Section 7.2.1.2 Consent conditions C14
Use variable-level alarms that adjust to ambient noise levels.	During construction	CNVMSPP Section 7.2.1.2 Consent conditions C14
Use proximity alarms.	During construction	CNVMSPP Section 7.2.1.2 Consent conditions C14
Use spotters or observers where appropriate.	During construction	CNVMSPP Section 7.2.1.2 Consent conditions C14
Community Consultation and Complaint Management Controls		
Community Notification		



Environmental Management Control	Timing / Frequency	Reference / Notes
Provide neighbouring receivers with: - Contact details for noise and vibration complaints. - Construction timeframes and descriptions of activities. - Notification of any changes or extensions to works. - A copy of the approved CNVMSP.	Prior to construction and during construction	CNVMSP Section 7.3.1 Consent conditions A23(a)(vii), B12(d)-(e), C6
Provide real-time noise and vibration monitoring data feeds accessible to the Site Manager and, where requested, the University of Sydney to enable prompt corrective action.	During construction	CNVMSP Section 7.3.1 Consent conditions B12(d) & B12(f).
Complaints Management		
Display site signage with 24-hour contact details.	Prior to construction and during construction	CNVMSP Section 7.3.2 Consent conditions C1(c)
Notify relevant authorities of complaints and actions taken.	During construction	CNVMSP Section 7.3.2 Consent conditions B12(e)
Maintain a documented complaints and escalation process.	Prior to construction and during construction	CNVMSP Section 7.3.2 Consent conditions B12(e)
Provide prompt responses to complainants.	During construction	CNVMSP Section 7.3.2 Consent conditions B12(e)
Implement all feasible and reasonable measures to address complaint sources.	During construction	CNVMSP Section 7.3.2 Consent conditions A1, B12(e) & C12
Maintain a complaints register including: - Complainant details. - Date and time. - Nature of complaint. - Investigation details. - Remedial actions.	Prior to construction and during construction	CNVMSP Section 7.3.2 Consent conditions A23(a)(viii), B12(e)
Advance Notification		
Residents shall be notified in a timely manner prior to scheduled noisy works.	Prior to construction activities and prior to noisy works	CNVMSP Section 7.3.2 Consent conditions B12(d) & C6
Noise and Vibration Monitoring Controls		
Monitoring Requirements		
Undertake noise and vibration monitoring where: - Criteria may be exceeded. - Valid complaints are received.	During construction	CNVMSP Section 7.4.1 Consent conditions A22, B12(f) & C15-C17



Environmental Management Control	Timing / Frequency	Reference / Notes
Results of noise and vibration monitoring shall be provided to the relevant parties in a timely manner.	During construction	CNVMSPP Section 7.4.1 Consent condition B12(f).
Monitoring Locations		
Monitoring should be undertaken inside affected properties and at site locations adjacent to receivers.	During construction	CNVMSPP Section 7.4.1 Consent conditions A22 & B12(f)
Monitoring Personnel		
Monitoring shall be carried out by an experienced noise and vibration professional or acoustic consultant.	Prior to construction and during construction	CNVMSPP Section 7.4.1 Consent conditions B12(a) & B12(f)
Short-Term Monitoring		
Conduct attended monitoring during critical construction stages to provide real-time guidance and enable modification of work practices.	During construction	CNVMSPP Section 7.4.2 Consent conditions A22 & B12(f)
Long-Term Monitoring		
Use noise and vibration loggers during critical phases such as demolition and excavation.	During construction	CNVMSPP Section 7.4.3 Consent conditions A22 & B12(f)
Loggers should provide real-time exceedance alerts to site management.	During construction	CNVMSPP Section 7.4.3 Consent conditions A22 & B12(f)
Project-Specific Monitoring Program		
Install noise and vibration monitors at the Social Sciences Building (A02) Lecture Theatre nearest the works.	Prior to construction and during construction	CNVMSPP Section 7.4.4 Consent conditions A22 & B12(f)
Monitor during the most noise and vibration intensive periods of each construction phase.	During construction	CNVMSPP Section 7.4.4 Consent conditions B12(f) & C15-17
Review and adjust monitoring locations as work progresses.	During construction	CNVMSPP Section 7.4.4 Consent condition B12(f)
Rationalise monitoring locations as vibration levels reduce with distance from works.	During construction	CNVMSPP Section 7.4.4 Consent condition B12(f)
Undertake vibration monitoring at commencement of vibration-intensive works to verify safe working distances.	Prior to and during vibration-intensive works	CNVMSPP Section 6 Consent conditions C15-C17 & B12(f).

4.3 Traffic

A Construction Traffic and Pedestrian Management Sub-Plan (CTPMSP) was prepared by SCT Consulting (18/08/2026, Rev 4.0) in accordance with Condition B11 and is attached at Appendix H. Traffic mitigation measures were outlined in the EIS under Section 6.9.6.



While the CTPMSP should be referred to for specifics, the environmental management controls in Table 12 will be implemented to ensure road safety and network efficiency during construction.

Table 12: Traffic Construction Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
All construction deliveries to be pre-booked and coordinated with loading area availability. High-volume activities to be scheduled, where practicable, outside peak traffic periods.	During construction	CTPMSP Sections 5.1, 5.6, 3.11 Consent Conditions B11(c)(i), B11(c)(iii)
Vehicles must use nominated inbound and outbound to approach, via Carillon Avenue and Western Avenue, enter through Gate 1 and exit through Gate 2. Vehicles to enter and leave the site in a forward direction. Routes to be communicated through inductions, delivery bookings and Driver Code of Conduct.	During construction	CTPMSP Sections 3.5, 3.6, 5.1, 5.7, Appendix B; Consent Conditions B11(c)(iii), B11(c)(v), B15(d)
Traffic controllers to manage construction vehicle entry and exit movements, telehandler crossings and pedestrian/cyclist interactions.	During construction	CTPMSP Sections 5.2, 3.9, 3.5; Consent Conditions B11(c)(i), B11(c)(ii)
Western Avenue to remain generally open to two-way traffic. Only short-duration traffic holds permitted to facilitate safe construction vehicle movements.	During construction	CTPMSP Sections 4.1, 5.1, 5.6; Consent Condition B11(c)(i)
Traffic controllers must monitor queue lengths and release traffic before queues approach Parramatta Road. Construction vehicle movements must be delayed if inadequate storage is available.	During construction	CTPMSP Section 4.1; Consent Condition B11(c)(i)
Construction vehicles must not queue, wait or marshal on Western Avenue, Carillon Avenue, Parramatta Road, University roads or local streets.	During construction	CTPMSP Sections 3.11, 5.1, 5.6; Consent Conditions B16, C9
Oversize deliveries subject to separate planning, permits, escorts and additional traffic control where required. Vehicle heights must be confirmed before entering Western Avenue.	Prior to construction and during construction	CTPMSP Sections 3.3, 3.10, 5.6; Consent Conditions B11(c)(i), C49
All loads to be secured and covered where required. Loose material to be removed from vehicles before leaving site.	During construction	CTPMSP Section 5.6 and Appendix B; Consent Conditions B10(a)(v), C20(b), C20(c)
Mud, spoil or debris deposited on roads or footpaths to be removed promptly. Western Avenue and adjoining footpaths to be inspected and kept clean.	During construction	CTPMSP Sections 5.4, 5.6; Consent Conditions B10(a)(v), C20(c), C20(d)
Existing closure of eastern footpath to remain. Western footpath to remain open except during short-duration controlled construction movements.	During construction	CTPMSP Sections 4.4, 5.1, 5.2; Consent Conditions B11(c)(i), B11(c)(ii)



Environmental Management Control	Timing / Frequency	Reference / Notes
Cyclist access along Western Avenue to be maintained. Cyclists may be temporarily held during vehicle or telehandler movements.	During construction	CTPMSP Sections 4.5, 5.1, 5.2; Consent Condition B11(c)(i)
Telehandler crossing of Western Avenue only at nominated crossing point under direct traffic control. Pedestrians, cyclists and vehicles to be held during crossings.	During construction	CTPMSP Sections 3.9, 5.2; Consent Conditions B11(c)(i), B11(c)(ii)
Class A hoarding to be installed along the site frontage. Jersey barriers/crash barriers to be installed at constrained locations and bends to protect road users and site infrastructure.	Prior to construction and during construction	CTPMSP Sections 3.1, 4.1, 5.1; Consent Condition B11(c)(i)
Approved Traffic Guidance Scheme (TGS) to be implemented and maintained in accordance with TfNSW requirements and AS1742.3.	Prior to construction and during construction	CTPMSP Section 5.2 and Appendix E; Consent Condition B11(c)(i)
All signs and traffic control devices to comply with TfNSW and Australian Standards and be regularly inspected, maintained and removed when no longer required.	During construction	CTPMSP Sections 5.2, 5.4 and Appendix E; Consent Condition B11(c)(i)
Bridge to maintain minimum verified 5.0 m clearance. Install bridge clearance signs, warning signs and over-height warning devices.	Prior to construction and during construction	CTPMSP Sections 3.10, 5.1
Workers encouraged to use public transport, walking, cycling and carpooling. No reliance on surrounding streets for parking.	Prior to construction and during construction	CTPMSP Sections 3.8, Appendix C Sections 4.0-6.0; Consent Condition B17
No worker parking or construction vehicle parking within public streets. Any parking must occur through approved University arrangements.	Prior to construction and during construction	CTPMSP Sections 3.8, 4.3, Appendix C Section 3.0; Consent Conditions B16, B17
Emergency access to be maintained at all times. Vehicle movements to cease immediately when emergency vehicles require access.	During construction	CTPMSP Sections 4.7, 5.1, 5.6; Consent Condition B11(c)(i)
Coordinate deliveries and traffic impacts with University, Sydney Biomedical Accelerator project and other nearby projects.	Prior to construction and during construction	CTPMSP Sections 4.2, 5.1; Consent Condition B11(c)(i)
Provide advance notice of works affecting traffic, access, pedestrians, cyclists, public transport or adjacent operations.	Prior to construction and during construction	CTPMSP Section 3.13; Consent Conditions B11(c)(i), B11(b)
Monitor compliance with haulage routes, access arrangements, signage, barriers, parking controls and impacts on surrounding roads.	During construction	CTPMSP Section 5.3; Consent Conditions B11, C8
Conduct daily inspections of traffic arrangements, gates, signs, barriers, footpaths and loading areas. Maintain inspection records.	During construction	CTPMSP Section 5.4; Consent Condition C8



Environmental Management Control	Timing / Frequency	Reference / Notes
Maintain a hazard and incident register. Investigate traffic incidents, near misses and complaints and implement corrective actions.	During construction and post construction	CTPMSP Section 5.5; Consent Conditions A25-A31
Drivers must comply with the Driver Code of Conduct, use approved routes, obey speed limits, minimise noise and avoid unsafe behaviour.	Prior to construction and during construction	CTPMSP Appendix B; Consent Conditions B15(a), B15(b), B15(c), B15(d)
Compression braking / engine braking is prohibited within the University campus unless required for safety	Throughout construction	Driver Code of Conduct
Vehicle engines shall be turned off during extended waiting periods where safe and practical	Throughout construction	Driver Code of Conduct
Review the CTPMSP where site access arrangements, staging or traffic conditions materially change	As required	CTPMSP Section 5.3

4.4 Flood

As required by Condition B14, a Construction Flood Emergency Management Sub-Plan (CFEMSP) was prepared by GRC Hydro (24/8/2026, Version 2 (Final)) and is attached at Appendix Q. Flood mitigation measures were outlined in the EIS under Section 6.12.3.

While the CFEMSP should be referred to for specifics, the environmental management controls are summarised in Table 13:

Table 13: Flood Construction Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
Site Establishment		
Store high-value or hazardous materials above 23.2 meters Australian Height Datum (mAHD) (1% annual exceedance probability (AEP) protection).	Prior to construction and during construction	CFEMSP Section 2.3 – Site Establishment. Consent Conditions B10(g), B14(c)(i)-(v), B20.
Where practical, store high-value or hazardous materials above 24.1 mAHD (Probable maximum flood (PMF) protection).	Prior to construction	CFEMSP Section 2.3 – Site Establishment. Consent Conditions B10(g), B14.
Install sandbags or similar protection at the base of hoarding along Science Road to reduce floodwater ingress.	During construction	CFEMSP Section 2.3 – Site Establishment. Consent Conditions B10(g), B14(c)(v).
Maintain water and food supplies within the Site Compound.	Prior to construction and during construction	CFEMSP Section 2.3 – Site Establishment. Consent Conditions B10(g), B14.
Locate computers, documents and valuables above 24.1 mAHD.	Prior to construction	CFEMSP Section 2.3 – Site Establishment. Consent Conditions B10(g), B14(c)(v).
Identify site sheds within the Site Compound that are above 24.1 mAHD.	Prior to construction and during construction	CFEMSP Section 2.3 – Roles and Responsibilities. Consent Condition B20(a).
Responsibilities		



Environmental Management Control	Timing / Frequency	Reference / Notes
Nominate a person to monitor flood warnings daily.	Prior to construction and during construction	CFEMSP Section 2.3 – Roles and Responsibilities. Consent Conditions B14(c)(i), B20(a).
Nominate a person/team responsible for implementing flood-response triggers and actions.	Prior to construction and during construction	CFEMSP Section 2.3 – Roles and Responsibilities. Consent Conditions B14(c)(i), B20(a).
Nominate a person to communicate with emergency services.	Prior to construction and during construction	CFEMSP Section 2.3 – Roles and Responsibilities. Consent Conditions B14(c)(i), B20(a).
General Operations		
Review flood warnings and rainfall forecast each morning before personnel attend site.	During construction (Daily)	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Condition B20(a).
Maintain clear evacuation routes, particularly the pedestrian bridge between the Site Compound and Construction Site.	During construction	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Conditions B14(c)(iv), B20(b).
Communicate evacuation route changes through toolbox talks.	During construction	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Conditions B14(c)(iv), C24.
Chemical Management		
Permanently store fuel cells, jerry cans, hydrocarbons and chemicals above the 1% AEP flood level (23.2 mAHD).	Prior to construction and during construction	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Conditions B14, B20.
Housekeeping		
Maintain good housekeeping to minimise loose materials in flood-prone areas.	During construction	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Condition B14(c)(i).
Do not stockpile large quantities of potentially floating debris in flood-prone areas.	During construction	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Condition B14(c)(i).
Amenities		
Keep toilet facilities outside flood-prone areas.	Prior to construction and During construction	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Condition B14(c)(i).
Materials Management		
Secure scaffold materials to prevent mobilisation during flooding.	During construction	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Condition B14(c)(i).



Environmental Management Control	Timing / Frequency	Reference / Notes
Training & Awareness		
Ensure all workers understand flood risks and emergency procedures.	Prior to construction and During construction	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Conditions B14(c)(vi), C24.
Inform visitors of flood risks and their obligation to follow the CFEMSP.	During construction	CFEMSP Section 2.3 – General Operational Procedures and Activities. Consent Condition B14(c)(vi).
Ensure visitors are accompanied by a fully inducted person.	During site visits	CFEMSP Section 2.3 General Operation Procedures.
Monitoring		
Monitor HazardWatch, Hazards Near Me NSW and BoM warnings daily.	During construction (Daily)	CFEMSP Section 2.3 – Flood Monitoring and Early Warning. Consent Condition B20(a).
Emergency Response		
Follow NSW SES emergency warnings as the highest priority.	During construction (As required)	CFEMSP Section 2.3 – Identified Triggers and Actions. Consent Conditions B20(a), B20(b).
Assemble personnel at the Site Compound when official warnings are received.	During construction (As required)	CFEMSP Section 2.3 – Identified Triggers and Actions. Consent Conditions B14(c)(iv), B20(b).
Prioritise evacuation of personnel over protection of property.	During construction (As required)	CFEMSP Section 2.3 – Identified Triggers and Actions. Consent Conditions B14(c)(iv), B20(b).
Low Flood Risk		
Continue monitoring warnings every 2 hours.	During construction (Low Flood Risk)	CFEMSP Section 2.3 – Low Flood Risk Actions. Consent Condition B20(a).
Undertake visual monitoring for floodwater around the site.	During construction (Low Flood Risk)	CFEMSP Section 2.3 – Low Flood Risk Actions. Consent Condition B20(a).
Prepare the site if conditions indicate escalation to Medium or High Flood Risk.	During construction (Low Flood Risk)	CFEMSP Section 2.3 – Low Flood Risk Actions. Consent Condition B20(a).
Medium Flood Risk		
Minimise work within excavations.	During construction (Medium Flood Risk)	CFEMSP Section 2.3 – Medium Flood Risk Actions. Consent Condition B14(c)(i).
Maintain evacuation access from excavated areas.	During construction (Medium Flood Risk)	CFEMSP Section 2.3 – Medium Flood Risk Actions. Consent Conditions B14(c)(iv), B20(b).



Environmental Management Control	Timing / Frequency	Reference / Notes
Remove staffing from traffic-control points near Science Road.	During construction (Medium Flood Risk)	CFEMSP Section 2.3 – Medium Flood Risk Actions. Consent Condition B14(c)(i).
Minimise use of the Science Road access gate.	During construction (Medium Flood Risk)	CFEMSP Section 2.3 – Medium Flood Risk Actions. Consent Condition B14(c)(i).
Relocate vulnerable materials above 23.2 mAHD, preferably above 24.1 mAHD.	During construction (Medium Flood Risk)	CFEMSP Section 2.3 – Medium Flood Risk Actions. Consent Condition B14(c)(i).
High Flood Risk		
Do not attend site if high flood risk is identified before the working day.	During construction (High Flood Risk)	CFEMSP Section 2.3 – High Flood Risk Actions. Consent Conditions B14(c)(i), B20(b).
Do not enter floodwater by foot or vehicle.	During flood events	CFEMSP Evacuation and Refuge Protocols.
Cancel deliveries and direct personnel not to attend site.	During construction (High Flood Risk)	CFEMSP Section 2.3 – High Flood Risk Actions. Consent Conditions B14(c)(i), B20(b).
If ≥4 hours warning is available, cease works and evacuate all personnel.	During construction (High Flood Risk)	CFEMSP Section 2.3 – High Flood Risk Actions. Consent Conditions B14(c)(iv), B20(b).
If <4 hours warning is available, cease works and assemble within the Site Compound.	During construction (High Flood Risk)	CFEMSP Section 2.3 – High Flood Risk Actions. Consent Conditions B14(c)(iv), B20(b).
Contact NSW SES for advice regarding evacuation or shelter-in-place.	During construction (High Flood Risk)	CFEMSP Section 2.3 – High Flood Risk Actions. Consent Conditions B14(c)(v), B20(b).
Refuge Protocols		
Assemble personnel in the Site Compound.	During construction (Emergency Event)	CFEMSP Section 2.3 – Shelter-in-Place Refuge Protocols. Consent Conditions B14(c)(iv), B20(b).
Shelter in order of preference: Ross Street T&L Hub, Site Compound, FASS Building, then other suitable USYD buildings.	During construction (Emergency Event)	CFEMSP Section 2.3 – Shelter-in-Place Refuge Protocols. Consent Condition B14(c)(v).
Do not enter floodwater by foot or vehicle.	During construction (Emergency Event)	CFEMSP Section 2.3 – Shelter-in-Place Refuge Protocols. Consent Condition B14(c)(v).
Do not enter roadways during flooding.	During construction (Emergency Event)	CFEMSP Section 2.3 – Shelter-in-Place Refuge Protocols. Consent Condition B14(c)(v).
Do not access the Site Storage area during flooding.	During construction (Emergency Event)	CFEMSP Section 2.3 – Shelter-in-Place Refuge Protocols. Consent Condition B14(c)(v).



Environmental Management Control	Timing / Frequency	Reference / Notes
Take food, water and warm clothing if moving to refuge areas.	During construction (Emergency Event)	CFEMSP Section 2.3 – Shelter-in-Place Refuge Protocols. Consent Condition B14(c)(v).
Notify NSW SES of the shelter location and contact personnel.	During construction (Emergency Event)	CFEMSP Section 2.3 – Shelter-in-Place Refuge Protocols. Consent Condition B14(c)(v).
Emergency Response		
Call 000 in an emergency.	During construction (Emergency Event)	CFEMSP Section 2.3 – Shelter-in-Place Refuge Protocols. Consent Conditions B14(c)(v), C24.

4.5 Soil & Water

A Dewatering Management Plan (DMP) was prepared by Douglas Partners (10 June 2026, Revision 0) and is attached at Appendix I. An Erosion and Sedimentation Control Plan (ESCP) is to be prepared by Meinhardt Civil and will be attached at Appendix J.

The environmental controls that will be implemented to minimise the potential for environmental incidents relating to soil and water and are in Table 13.

Table 14: Soil & Water Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
Implement the Erosion and Sediment Control Plan during earthworks to manage erosion and sedimentation impacts.	During construction	EIS 3.2.2 Earthworks. Consent Conditions B18(a), B19, C21.
Dispose of excavated materials in accordance with legislation, the Preliminary Site Investigation and Waste Management Plan.	During excavation and construction	EIS 3.2.2 Earthworks. Consent Conditions B13, C33.
Install erosion and sediment controls to manage wet weather events.	Prior to construction	EIS 3.2.2, 6.22.1. Consent Condition B18(a).
Divert clean surface water around operational work areas.	Prior to and during construction	EIS 6.12, 6.14. Consent Condition B18(b).
Maintain erosion and sediment controls in accordance with the Blue Book.	During construction (continuous)	EIS 3.2.2, 6.22.1. Consent Conditions B19, C21.
Ensure erosion and sediment controls remain effective until disturbed land is stabilised and rehabilitated.	During construction and until stabilisation complete	EIS 6.22.1. Consent Condition C21.
Prepare and implement flood warning and notification procedures for workers.	Prior to construction and throughout construction	EIS 6.13.4. Consent Condition B20(a).
Prepare and implement evacuation and refuge protocols for flood events.	Prior to construction and throughout construction	EIS 6.13.4. Consent Condition B20(b).



Environmental Management Control	Timing / Frequency	Reference / Notes
Consult NSW SES regarding flood emergency management arrangements.	Prior to construction / as required	EIS 6.13.4. Consent Conditions B14, B20.
Ensure future temporary storage of hazardous substances complies with flood management requirements.	During construction	EIS 6.13.4. Consent Conditions B14, B20.
Manage groundwater seepage and dewatering activities during excavation works.	During excavation works	EIS 6.12.2. Consent Condition B10(a)(vi).
Prepare and implement a Groundwater Management Plan including measures to prevent groundwater contamination.	Prior to construction and during construction	EIS 6.12.2. Consent Condition B10(a)(vi).
Obtain relevant approvals/licences for dewatering where required.	Prior to dewatering	EIS 6.12.2. Consent Condition B10(a)(vi).
Design, implement and maintain groundwater inflow controls, dewatering systems and water treatment measures, including perimeter drainage, groundwater interception, grouting or ground improvement where required, to manage groundwater inflows and ensure discharged water complies with approved discharge criteria.	During dewatering activities	EIS 6.12.2. Consent Conditions B10(a)(iv), B10(a)(vi), C23. DMP Sections 9.2.1, 9.3, 9.4.1, 9.4.2.
Install an additional groundwater monitoring well to improve confidence in groundwater data.	Prior to construction	EIS 6.12.3. Consent Condition B10(a)(vi).
Monitor groundwater levels, groundwater inflows and drawdown to validate design assumptions, assess water table conditions and confirm drawdown remains within acceptable limits. Implement trigger and warning level responses where groundwater inflow or drawdown thresholds are exceeded.	Prior to construction, throughout dewatering and for one month following completion of dewatering	EIS 6.12.3. Consent Conditions B10(a)(vi), A22. DMP Sections 9.2.1, 9.2.2, 9.5.
Undertake additional geotechnical investigations if required.	Prior to construction / as required	EIS 6.12.3. Consent Condition B10(a)(vi).
Undertake shallow boreholes and bulk sampling following earthworks to assess subgrade conditions.	Post-earthworks	EIS 6.12.3. Consent Condition B10(a)(vi).
Undertake shoring pile inspections and anchor testing inspections.	During construction	EIS 6.12.3. Consent Conditions A22, C38.
Undertake footing and pile inspections.	During construction	EIS 6.12.3. Consent Conditions A22, C38.
Undertake groundwater monitoring where required.	During construction	EIS 6.12.3. Consent Conditions B10(a)(vi), A22.
Conduct site investigations to confirm the nature and extent of contamination before disturbing contaminated soils, groundwater or sediments.	Prior to disturbance works	EIS 6.15.3. Consent Condition C38.
Prepare a data gap assessment including test pits and groundwater sampling following demolition.	Prior to remediation works	EIS 6.15.3. Consent Condition C38.
Update the Remediation Action Plan following completion of additional investigations.	Prior to remediation works	EIS 6.15.3. Consent Conditions C39, C40.



Environmental Management Control	Timing / Frequency	Reference / Notes
Implement all remediation works in accordance with the updated Remediation Action Plan.	During remediation and construction	EIS 6.15.3. Consent Condition C40.
Implement an Unexpected Finds Protocol for contamination encountered during excavation.	During excavation works	EIS 6.15.2. Consent Conditions B10(b), C39.
Formally classify all excavated soils and materials before off-site disposal.	During excavation and remediation	EIS 6.12.3, 6.15.3. Consent Conditions B13(a), C33.
Dispose of contaminated soils off-site at appropriate facilities.	During remediation	EIS 6.15.3. Consent Conditions C33, C40.
Assess groundwater quality prior to disposal, undertake baseline monitoring, treatment trial monitoring and routine monitoring, and prevent the discharge of contaminated groundwater to stormwater. Treated groundwater must comply with adopted discharge criteria before discharge occurs.	Prior to and throughout dewatering, discharge and remediation activities	EIS 6.15.2. Consent Conditions B10(a)(iv), B10(a)(vi), C23, C38. DMP Sections 9.4.1, 9.4.2, 9.4.3, 9.5.
Complete treatment trial monitoring and demonstrate three consecutive compliant water quality results prior to routine discharge to stormwater.	At commencement of dewatering	DMP Section 9.4.3.2.
Review and adjust groundwater monitoring and analytical programs based on monitoring outcomes, identified risks and environmental consultant recommendations.	Throughout dewatering works	DMP Section 9.4.3.3.
Replace damaged groundwater monitoring wells and maintain an effective groundwater monitoring network.	As required during construction	DMP Section 9.5.
Suspend groundwater discharge where oil, grease, sheen, significant discolouration or odours are observed, or where contamination is suspected, until water quality is confirmed as suitable for discharge.	As required	DMP Section 9.5, Table 12. Environmental Risk Assessment (ERA)-Stormwater Controls
Undertake water quality sampling and analysis using appropriately qualified environmental personnel and NATA-accredited laboratories.	Throughout dewatering works	DMP Sections 9.5 and 9.6.
Implement quality assurance and quality control sampling to verify analytical results.	Throughout groundwater monitoring program	DMP Section 9.5, Table 12.
Remove hazardous materials in accordance with the Hazardous Materials Audit recommendations.	During demolition and remediation	EIS 6.15.3. Consent Conditions C36, C40.
Ensure only VENM, ENM or EPA-approved fill materials are imported to site.	During construction	Consent Condition C22(a). ERA Land Controls.
Maintain records of imported fill volumes, types and locations	During construction	Consent Condition C22(b-c). ERA Land Controls.



Environmental Management Control	Timing / Frequency	Reference / Notes
Provide adequate collection and discharge of stormwater during construction.	During construction	Consent Conditions B10(a)(iv), C23.
Obtain Council approval for any connection or discharge to Council stormwater infrastructure.	Prior to discharge	Consent Condition C23.
Prevent concrete waste and washout water from entering waterways or being disposed of on-site.	During construction	Consent Condition C34.
Record waste quantities and disposal/recycling locations.	During construction	EIS 6.16.1. Consent Condition C35.
Ensure demolition, excavation and construction activities minimise erosion and sedimentation impacts.	During construction	EIS 6.22.1. Consent Conditions B18, B19, C21.
Suspend dewatering and excavation works where groundwater inflows exceed predicted trigger levels or groundwater drawdown exceeds approved trigger levels and implement contingency measures.	Upon trigger exceedance	DMP Sections 9.2.2 and 9.7.
Suspend discharge and implement additional treatment measures where discharge criteria are exceeded.	As required	DMP Section 9.7.
Undertake additional investigations, sampling and treatment where contamination or water quality non-conformances are identified.	As required	DMP Section 9.7.
Implement alternative disposal methods, including licensed off-site disposal, where groundwater cannot be treated to achieve discharge criteria.	As required	DMP Sections 9.3 and 9.7.
Maintain records of groundwater abstraction, transport and off-site disposal where applicable.	Throughout dewatering works	DMP Sections 9.5 and 10.2.
Maintain discharge water quality between pH 6.5-8.5, turbidity <50 NTU and free of visible oil and grease	During discharge	ERA - Stormwater Controls

4.6 Air Quality

The environmental controls that will be implemented to minimise the potential for environmental incidents relating to air quality, including dust management, and are presented in Table 15.

The environmental controls in will be implemented to minimise the potential for adverse air emissions and dust impacts during the construction.

Table 15: Air Quality Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
Manage dust and odour impacts through the CEMP.	Prior to and during construction	Consent condition B10(a)(iii).
Take all reasonable steps to minimise dust generation.	Throughout construction	Consent condition C19.



Environmental Management Control	Timing / Frequency	Reference / Notes
Undertake activities in a manner that minimises windblown and traffic-generated dust.	Throughout construction	Consent condition C20(a).
Cover loads on trucks entering and leaving the site.	During haulage activities	Consent condition C20(b).
Prevent tracking of dirt onto public roads.	Throughout construction	Consent condition C20(c).
Keep public roads used by construction vehicles clean.	Throughout construction	Consent condition C20(d).
Progressively stabilise exposed land surfaces.	Throughout construction	Consent condition C20(e).
Minimise dust impacts from demolition, excavation and construction works.	Throughout construction	EIS 6.22.1.
Manage removal of hazardous materials to prevent airborne fibre emissions.	During demolition/removal works	Consent condition C36.
Limit vehicle speeds onsite to 10 km/hr	During construction	ERA - Dust Controls
Reduce activities or cease work during moderate to high wind conditions	As required	ERA - Dust Controls
Stockpiles shall not exceed 4m in height and shall be stabilised if retained longer than 4-6 months	During construction	ERA - Dust Controls

4.7 Heritage

As required by Condition B35, an Aboriginal Cultural Heritage Management Sub-Plan (ACHMSP) was prepared by Urbis (3/9/2026, V2 – Final) and is attached at Appendix M.

The environmental controls in Table 16 will be implemented to minimise the potential for adverse impacts to Heritage, including Aboriginal Cultural Heritage, during the construction.

Table 16: Heritage Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
Engage suitably qualified heritage and archaeological specialists to provide advice, prepare required heritage documentation and support implementation of heritage management measures.	Prior to and during construction	EIS 6.18.3; ACHMSP Sections 3.2-3.6.
Prepare and implement all required heritage management documentation including archival recording, conservation works schedules, salvage methodologies, Heritage Interpretation Plan and Archaeological Work Method Statement (AWMS).	Prior to relevant construction, demolition, excavation and landscaping works	EIS 6.18.3; Consent Conditions B30, B31, B33, B34.
Undertake all works affecting heritage items using suitably qualified heritage specialists and salvage, store, protect and manage heritage fabric for future reinstatement.	During demolition and construction	EIS 6.18.3; Consent Condition B29.



Environmental Management Control	Timing / Frequency	Reference / Notes
Implement archaeological monitoring and heritage management measures in areas with archaeological potential, including potential WWII air-raid trench remains.	During excavation within identified areas	Consent Condition B31; EIS 6.19.3.
Implement Historic Heritage Unexpected Finds Procedures and immediately cease works, protect finds, undertake specialist assessment, notify authorities and implement approved management measures where heritage items are discovered.	As required	Consent Condition C31; EIS 6.19.3.
Take all practicable measures to avoid harm to Aboriginal objects, Aboriginal places and associated cultural heritage values and implement harm minimisation measures where impacts cannot be avoided.	Throughout construction	ACHMSP Section 3; NPW Act requirements.,
Maintain ongoing consultation with Registered Aboriginal Parties (RAPs), provide regular project updates, record consultation activities and consult RAPs regarding Aboriginal object discoveries, human remains, additional investigations and proposed ACHMSP amendments.	Throughout construction with minimum six-monthly updates and as required	ACHMSP Section 3.1; Consent Condition B35(c)(i).,
Provide Aboriginal cultural heritage inductions prepared by a qualified archaeologist in consultation with RAPs and maintain induction records.	Prior to commencement of works and for all new personnel	ACHMSP Section 3.3; EIS 6.17.3; Consent Condition B35(c)(iii).,
Implement the Aboriginal Unexpected Finds Procedure including cessation of works, establishment of exclusion zones, protection of finds, specialist assessment, notification of Heritage NSW and the Planning Secretary, consultation with RAPs, AHIMS registration, archaeological reassessment (where required), management plan updates and approval prior to recommencement of works.	Immediately upon discovery of Aboriginal objects	ACHMSP Section 3.2.1; Consent Condition C30.,
Implement the Human Remains Procedure including cessation of works, establishment of exclusion zones, notification of NSW Police, Heritage NSW, DPHI and RAPs (where relevant), archaeological assessment, management planning, ACHMSP updates and approval prior to recommencement of works.	Immediately upon discovery of human remains	ACHMSP Section 3.2.2; Consent Condition B35(c)(ii).,
Register Aboriginal objects with AHIMS and document management outcomes where Aboriginal objects are identified.	Following identification of Aboriginal objects	ACHMSP Section 3.2.1(f); Consent Condition C30(c).,
Ensure all employees, contractors and subcontractors comply with heritage management requirements and report Aboriginal heritage matters in accordance with the ACHMSP.	Throughout construction	ACHMSP Sections 3.4 and 3.5.,
Monitor compliance with ACHMSP performance indicators, including inductions, consultation and unexpected finds management.	Monthly throughout construction	ACHMSP Section 3.6, Table 4.,
Notify the Planning Secretary of any ACHMSP non-compliance.	Within 7 days of becoming aware of non-compliance	ACHMSP Section 3.5.,
Review, update and resubmit the ACHMSP where Aboriginal objects, human remains or non-compliance	As required, with revised plan	ACHMSP Section 3.6.,



Environmental Management Control	Timing / Frequency	Reference / Notes
events occur, in consultation with RAPs and Heritage NSW.	submitted within 6 weeks of review	
Continue consultation with RAPs where Aboriginal heritage matters arise.	Throughout construction	ACHMSP Section 3.1. Consent Conditions B35 & C29.
Stop work immediately if a suspected Aboriginal object is discovered.	Immediately	ACHMSP Section 3.2. Consent Condition B35(c)(ii).
Protect and secure discovery area pending archaeological assessment.	Immediately	ACHMSP Section 3.2.
Notify Heritage NSW and RAPs where Aboriginal objects are identified.	Immediately	ACHMSP Section 3.2.
All workers shall undertake Aboriginal cultural heritage induction.	Prior to commencement	ACHMSP Section 3.3. Consent Condition B35(c)(iii).
Maintain written or electronic records of all heritage inductions.	Ongoing	ACHMSP Section 3.3.
Review and update ACHMSP following discoveries or non-compliance.	As required	ACHMSP Section 3.6.
Submit updated ACHMSP within 6 weeks following review.	Within 6 weeks	ACHMSP Section 3.6.
Cease work immediately if human remains are discovered.	Immediately	ACHMSP Section 3.2.2.
Establish minimum 50 m exclusion zone around human remains.	Immediately	ACHMSP Section 3.2.2(a).
Notify NSW Police, Heritage NSW, DPHI and Planning Secretary.	Immediately	ACHMSP Section 3.2.2.
Obtain written Heritage NSW approval before recommencing works.	Prior to recommencement	ACHMSP Section 3.2.2(g).

4.8 Hazardous Materials and Contamination

An Asbestos Management Plan (AMP) was prepared by Trace Environmental (28 July 2026, Rev 0) and is attached at Appendix P.

The environmental controls that will be implemented to minimise the potential for environmental incidents relating to contaminated or suspect material, including unexpected finds of, are in Table 17.

Table 17: Hazardous Goods and Contamination Construction Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
Prepare and implement contamination management documentation including CEMP contamination	Prior to disturbance works and update as	Consent conditions B10(b), C38, C39;



Environmental Management Control	Timing / Frequency	Reference / Notes
controls, Remedial Action Plan (RAP), contamination investigations and Unexpected Finds Procedures (UFP). The UFP should be kept on site in the main site office.	required throughout construction	EIS 6.15.2, 6.15.3; AMP Section 7.
Undertake remediation works in accordance with the approved and updated RAP, including validation and remediation objective verification.	During remediation and following remediation works	Consent condition C40; EIS 6.15.3, Appendix K; AMP Sections 3.2.4, 8.
Classify, track, transport and dispose of contaminated soils, asbestos waste and hazardous materials at appropriately licensed facilities, including maintaining all waste tracking and disposal records.	During excavation, remediation, transport and disposal activities	Consent conditions C33, C36; EIS 6.15.2, 6.15.3; AMP Sections 6.1-6.4, 9.1.
Ensure hazardous materials are removed, handled, transported and disposed of in accordance with legislation, Hazardous Materials Audit recommendations and approved procedures.	During demolition, remediation and disposal activities	Consent condition C36; EIS 6.15.3.
Ensure all personnel undertaking asbestos-related works are appropriately trained, inducted, licensed and informed of asbestos risks and unexpected finds procedures.	Prior to asbestos-related works and for all new personnel	AMP Sections 1.2, 5.1.
Engage licensed asbestos removal contractors and prepare approved Asbestos Removal Control Plans (ARCPs) before asbestos removal works commence.	Prior to asbestos removal works	AMP Sections 2.2.2, 3.2.3, 3.3, 6.1.
Establish and maintain asbestos exclusion zones, signage, fencing, controlled access, decontamination facilities and isolation of services prior to asbestos disturbance.	Prior to and throughout asbestos-related works	AMP Sections 5.2, 5.3, 5.4, 6.1.
Implement asbestos work practices to minimise airborne fibre release including wet methods, housekeeping, High Efficiency Particulate Air (HEPA) vacuuming, dust suppression, plant controls and runoff management.	Throughout asbestos-related works	AMP Sections 5.5, 5.8, 5.11.
Undertake inspections, audits, exposure monitoring and airborne fibre monitoring. Investigate exceedances and implement corrective actions where trigger levels are exceeded.	Throughout asbestos-related works and as required by monitoring results	AMP Sections 5.5, 5.9, 6.6; Table 6-1.
Provide Personal Protective equipment (PPE), Respiratory Protective Equipment (RPE), hygiene facilities and decontamination procedures for personnel, equipment, vehicles and plant operating within asbestos work areas.	Throughout asbestos-related works	AMP Sections 5.10, 6.4, 6.5.1-6.5.6.
Prevent asbestos-contaminated material, soil, mud or debris from being tracked or spilled off-site and inspect/clean vehicles before leaving site.	During transport and haulage activities	AMP Section 6.4.
Implement Asbestos Unexpected Finds Procedure, including immediate cessation of works, barricading, specialist assessment and management.	Immediately upon discovery and as required	AMP Section 7.



Environmental Management Control	Timing / Frequency	Reference / Notes
Undertake asbestos clearance inspections and obtain clearance certification prior to reoccupation of asbestos work areas.	Following asbestos removal works	AMP Section 8.
Maintain asbestos and contamination records, including notifications, monitoring results, ARCPs, waste records, air monitoring, complaints, incidents, non-conformances and clearance certificates.	Throughout construction	AMP Sections 5.5, 9.1; Consent conditions C39, C42.
Prevent activities from creating or increasing contamination risk to the site or surrounding environment.	Throughout construction	Consent condition C42.
Store chemicals within bunded areas sized at 110% of largest container.	At all times	ERA Chemical Controls.
Bulk fuel storage greater than 200 litres prohibited onsite.	At all times	ERA Chemical Controls.
Fuel and hydraulic leaks shall be cleaned immediately.	As required	ERA Chemical Controls.
SDS/MSDS documentation shall be supplied before chemicals are introduced onsite.	Prior to use	ERA Chemical Controls.

4.9 Biodiversity

The environmental controls that will be implemented to minimise the potential for environmental incidents relating to biodiversity are in Table 18.

Table 18: Biodiversity Construction Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
Undertake pre-clearance surveys for microbats prior to demolition.	Prior to demolition	EIS 6.10.3.
Capture and relocate any microbats identified before demolition works.	Prior to demolition and as required	EIS 6.10.3.
Protect retained trees in accordance with Arboricultural Impact Assessment recommendations.	Throughout construction	EIS Appendix 3, Consent condition C18(b).
Install trunk protection and Tree Protection Zone (TPZ) fencing around retained trees.	Prior to construction and maintain throughout works	EIS 6.7.3.
Ensure works within TPZs are supervised by a qualified arborist.	During construction as required	Consent condition C18(c).
Use tree-sensitive demolition, paving and excavation methods within TPZs.	During construction	EIS 6.7.3.
Retain and protect significant tree roots encountered during works.	During construction	EIS 6.7.3.
Prevent unauthorised trimming or removal of retained trees.	Throughout construction	Consent condition C18(a).



4.10 Safety, Lighting, and Visual Amenity

Table 19 outlines the mitigation measures to be implemented during construction to manage any potential safety impacts, as well as impacts from lighting and to visual amenity.

Table 19: Safety, Lighting, and Visual Amenity Construction Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
Implement recommendations of the Security and Crime Prevention Through Environmental Design (CPTED) Report.	During detailed design and construction	EIS 6.6.3.
Provide adequate vandal-resistant lighting.	During construction and installation	EIS 6.6.2.
Maintain unobstructed sight lines and passive surveillance opportunities.	Throughout construction where applicable	EIS 6.6.2.
Maintain clear signage and wayfinding.	Throughout construction	EIS 6.6.2.
Use vandal and graffiti-tolerant materials and promptly remove graffiti.	Throughout construction	EIS 6.6.2; Consent condition C10(b).
Design and install external lighting in accordance with AS 4282 and relevant standards.	Prior to installation and during construction	Consent condition B7, B10(a)(vii), C37.
Ensure no third-party advertising is displayed on construction hoardings.	Throughout construction	Consent condition C10(a).
Implement awareness training for employees and contractors, including emergency arrangements.	Throughout construction	Consent condition C24.
Secure site against unauthorised access and comply with SafeWork requirements.	Throughout construction	Advisory Note AN9.

4.11 Waste

A Construction Waste Management Sub-Plan (CWMSPP) was prepared by Waste Audit and Management Group (August 2026) in accordance with Condition B13 and is attached at Appendix O. Waste mitigation measures were outlined in the EIS under Section 6.16.2 and implemented in the CWMSPP.

Table 20 lists the environmental controls that will be implemented to minimise the potential for adverse impacts as a result of waste generated during the construction of the project.

Table 20: Waste Construction Environmental Management Controls

Environmental Management Control	Timing / Frequency	Reference / Notes
Prepare and implement a Construction Waste Management Plan Sub Plan (CWMSPP).	Prior to construction and throughout construction	Consent condition B10(f), B13.
Record quantities and classification of all waste streams.	Throughout construction	Consent condition B13(a), C35.
Record recycling and disposal locations.	Throughout construction	Consent condition B13(b), C35.



Environmental Management Control	Timing / Frequency	Reference / Notes
Confirm contamination status of development areas through validation.	Prior to and during remediation	Consent condition B13(c).
Manage demolition and construction waste in accordance with the CWMSP.	Throughout construction	EIS 6.16.1.
Secure all waste within designated storage areas and prevent offsite migration.	Throughout construction	Consent condition C32.
Classify and manage waste in accordance with EPA Waste Classification Guidelines.	Throughout construction	Consent condition C33.
Prevent concrete waste and washout water entering waterways.	Throughout construction	Consent condition C34.
Notify TfNSW of truck routes before waste removal begins.	Prior to waste export	Consent condition B24.
Ensure waste and recycling contractors comply with CWMSP requirements and best practice.	Throughout construction	EIS 6.16.2.
Achieve maximum reuse, recycling and diversion of demolition and construction waste from landfill.	Throughout construction	EIS 6.16.1.
All waste shall be secured within designated waste storage areas and prevented from leaving the site boundary.	During construction	CWMP Section 5.1, Condition C32.
Maintain a Waste Data File/Waste Register recording waste type, classification, quantity, destination, transporter details and weighbridge dockets.	Ongoing	CWMP Sections 2 & 5.4.
Monthly waste reports shall be obtained and maintained on site.	Monthly	CWMP Sections 2 & 5.4.
Notify TfNSW Traffic Management Centre of waste haulage routes before removing waste from site.	Prior to waste transport	CWMP Condition B24.
Achieve minimum 90% diversion of construction waste from landfill.	Throughout project	CWMP Section 3.
Dispose of no more than 20% residual waste to landfill.	Throughout project	CWMP Section 3.

5.0 Monitoring and Reporting

5.1 Environmental Monitoring and Inspections

Table 21 summarises the monitoring requirements for the construction of the education facility as set out in SSD-57838709 and relevant management plans.

Table 21: Monitoring and Inspection Requirements

Environmental Management Control	Timing / Frequency	Reference / Notes
Flood Management		



Environmental Management Control	Timing / Frequency	Reference / Notes
Monitor flood warnings, rainfall forecasts and severe weather alerts	Daily	CFEMSP Section 2.3 Flood Monitoring and Early Warning
Review HazardWatch, Hazards Near Me NSW and BoM warning services	Daily	CFEMSP Section 2.3 Flood Monitoring and Early Warning
Review warning services during Low Flood Risk conditions	Every 2 hours	CFEMSP Low Flood Risk Actions
Conduct visual monitoring of site and surrounding conditions for floodwater	During severe weather and Low Flood Risk conditions	CFEMSP Low Flood Risk Actions
Observe for flood indicators including rising water levels in excavations, University Oval No. 2 and surrounding roads	Continuous during storm events	CFEMSP Table 2 Triggers and Actions
Erosion, Sediment and Water Quality		
Inspect and maintain erosion and sediment controls to ensure effective operation	Throughout construction until all disturbed areas are stabilised and rehabilitated	Consent condition C21
Monitor effectiveness of erosion and sediment controls and undertake maintenance where required	Throughout construction	Consent condition C21; EIS Section 3.2.2 Earthworks
Monitor stormwater collection and discharge arrangements	Throughout construction and after major rainfall events	Consent condition C23
Noise and Vibration		
Monitor and report environmental performance and effectiveness of noise and vibration controls	Throughout construction	Consent condition B12(f)
Monitor construction noise impacts to minimise impacts on sensitive receivers	Throughout construction	EIS Section 6.11.3 Mitigation Measures
Monitor vibration where construction works have potential to exceed criteria	During vibration-generating activities	EIS Section 6.11.2 Potential Impacts
Verify vibration compliance where vibratory compactors operate within 30 m of residences	During use of vibratory compactors near residences	Consent condition C16
Heritage and Archaeology		
Archaeological monitoring of excavation works associated with potential WWII air raid trench remains	During excavation in archaeological monitoring areas	Consent condition B31(c)
Inspect, assess and record archaeological remains if uncovered	Upon discovery	Consent condition C31



Environmental Management Control	Timing / Frequency	Reference / Notes
Assess any Aboriginal objects identified during construction	Upon discovery	Consent condition C30
Contamination and Remediation		
Conduct contamination investigations to determine the nature and extent of contamination before disturbing contaminated soils, groundwater or sediments	Prior to disturbance works	Consent condition C38
Update contamination Unexpected Finds Procedure based on investigation outcomes	Following investigations and during construction	Consent condition C39
Validate staged remediation works through Interim Audit Advice	At completion of each remediation stage	Consent condition C41
Waste and Materials Management		
Record quantities, classification and management outcomes for waste generated during construction	Throughout construction	Consent conditions B13(a) & C35
Record imported fill type and volume and make records available when requested	Throughout earthworks	Consent condition C22
Environmental Performance Monitoring and Auditing		
Conduct Independent Environmental Audits	In accordance with Independent Audit Post Approval Requirements	Consent condition C43
Review and respond to Independent Audit findings	Following each audit	Consent conditions C46-C47
Monitor environmental performance in accordance with approved management plans	Ongoing throughout construction	Consent conditions A22 and A23(a)(iv-v)
Notify and report environmental incidents	Immediately upon becoming aware of an incident and in accordance with reporting requirements	Consent conditions A25-A26
Notify and report non-compliances	Within 7 days of becoming aware of a non-compliance	Consent conditions A27-A28
Infrastructure and Asset Inspections		
Undertake pre-construction condition inspection of roads, footpaths, gutters and public assets potentially affected by works	Prior to commencement of construction	Consent condition B5
Undertake post-construction dilapidation inspection and compare against baseline conditions	Prior to commencement of operation	Consent condition D10



5.2 Reporting

The monthly project delivery progress report prepared by FDC for USYD, will include an environmental reporting component that will cover:

- Environmental performance in accordance with the CEMP; and
- Details of environmental non-conformance reports, incidents or emergencies.

Table 22 summarises the reporting requirements for the construction of the education facility as set out in SSD-57838709 and relevant management plans.

Table 22: Reporting Requirements

Environmental Management Control	Timing / Frequency	Reference / Notes
Monitor environmental performance in accordance with approved environmental management plans and sub-plans.	Throughout construction	Consent conditions A22, A23(a)(iv)-(v)
Maintain environmental records and monitoring data demonstrating compliance with environmental management measures.	Throughout construction	Consent conditions A22-A23
Review environmental management plans and associated mitigation measures following audits, incidents, non-compliances or modifications to ensure ongoing effectiveness.	As required following audits, incidents or project changes	Consent conditions A30-A31
Maintain records of environmental incidents and corrective actions implemented.	Throughout construction	Consent conditions A25-A26
Investigate environmental incidents and prepare a written incident report detailing the cause, impacts, corrective actions and measures to prevent recurrence.	Following an incident and within the timeframe required by the Planning Secretary	Consent condition A26
Prepare and submit a Non-Compliance Report identifying the non-compliance, likely cause, environmental consequences and corrective actions.	Within 7 days of notification unless otherwise agreed	Consent condition A28
Maintain records of all environmental non-compliances and corrective actions.	Throughout construction	Consent conditions A27-A28
Monitor and report on the environmental performance of the development and the effectiveness of the implemented mitigation measures.	Throughout construction in accordance with approved management plans	Consent condition B12(f)
Accurate records will be kept of the volume and type of fill to be used on site, and these records will be made available to the Certifier and/or the Planning Secretary within seven days upon request.	During construction	Consent condition C22
Records of the quantities of each waste type generated during construction and the proposed reuse, recycling and disposal locations will be made for the duration of construction.	During construction	Consent condition C35



5.3 Audits

External auditing may be undertaken by an independent environment auditor in accordance with ISO 19011:2003 - *Guidelines for Quality and/ or Environmental Management Systems Auditing*, generally on an annual basis throughout the Project to verify compliance with the environmental requirements of the Project.

Table 23 summarises the Audit requirements for the construction of the education facility.

Table 23: Audit Requirements

Environmental Management Control	Timing / Frequency	Reference / Notes
Independent Environmental Audits		
Conduct Independent Environmental Audits of the development.	In accordance with the Independent Audit Post Approval Requirements	Consent condition C43
Obtain Planning Secretary agreement on proposed Independent Auditor.	Prior to commencement of each Independent Audit	Consent condition C44
Undertake audits at alternative times if directed by the Planning Secretary.	As directed by the Planning Secretary	Consent condition C45
Review audit findings and prepare response to recommendations.	Following each Independent Audit	Consent condition C46(a)-(b)
Submit Independent Audit Report and audit response to Planning Secretary.	Within 2 months of audit site inspection unless otherwise agreed	Consent condition C47
Make Independent Audit Reports and responses publicly available.	Within 60 days of submission to Planning Secretary	Consent condition C46(c)
Remediation and Contamination Auditing		
Obtain approval from a NSW EPA-accredited Site Auditor for any variation to the RAP.	Prior to implementing RAP variations	Consent condition C40
Obtain Interim Audit Advice confirming satisfactory completion of remediation works.	At completion of each remediation stage	Consent condition C41
Ensure contamination investigation reports are prepared or reviewed by qualified accredited contamination specialists.	Prior to disturbance of contaminated land	Consent condition C38(b)
Compliance and Environmental Performance Review		
Review management plans, strategies and programs following environmental incidents, independent audits, approval of any modification, or a Planning Secretary direction requiring review.	Within 3 months of incident report submission	Consent condition A30
Review and update approved management plans, strategies, programs or drawings whenever required to improve environmental performance, accommodate a project modification, or comply with a regulatory direction. Any revised documents must be submitted to the Planning Secretary and/or Certifier (as	Within 6 weeks of review	Consent condition A31



Environmental Management Control	Timing / Frequency	Reference / Notes
applicable) within 6 weeks of completing the review for approval or information.		
Environmental Monitoring Program Audits and Performance Evaluation		
Monitor and report effectiveness of implemented noise and vibration mitigation measures.	As specified in the CNVMP	Consent condition B12(f)
Evaluate environmental performance of the development through approved monitoring programs.	Throughout construction	Consent conditions A22 and A23(a)(iv-v)
Conduct documented evaluation of development compliance and environmental management performance where monitoring or auditing is required.	As required by approved plans and consent conditions	Consent condition A22
Public Reporting of Audit Outcomes		
Publish audit reports as part of project information available to the public.	Following completion of each Independent Audit	Consent condition A23(a)(ix)
Publish Applicant responses to audit recommendations.	Following completion of each Independent Audit	Consent condition A23(a)(ix)

5.4 Contingency Management Plan

Table 24 lists the actions to be implemented if inspections, monitoring and/or auditing indicate that the mitigation measures listed in Section 0 and the specialist management plans are not effective in managing environmental impacts.

All Condition Amber and Condition Red occurrences will be recorded and discussed during the toolbox talks.



Table 24: Contingency Plan

Key Element	Trigger / Response	Condition Green	Condition Amber	Condition Red
Noise impacts at sensitive receiver locations	Trigger	Noise levels do not exceed applicable NMLs.	Noise levels exceed applicable NMLs.	Noise levels exceed Highly Noise Affected criteria (75 dBA).
	Response	Ongoing best practice management measures to minimise noise emissions.	Undertake all feasible and reasonable mitigation and management measures to minimise noise impacts.	Undertake all feasible and reasonable mitigation and management measures to ensure noise levels are below Highly Noise Affected criteria. If noise levels cannot be kept below applicable limits then a different construction method or equipment will be utilised.
Vibration impacts at sensitive receiver locations	Trigger	Vibration intensive works undertaken outside minimum working distance for the specific equipment in use.	Complaint regarding vibration impacts from construction activity arise at nearby sensitive receivers.	Vibration levels exceed applicable vibration limits.
	Response	Ongoing best practice management measures to minimise vibration emissions.	Undertake vibration monitoring to confirm vibration levels.	Stop work. Undertake all feasible and reasonable mitigation and management measures to ensure vibration levels are below applicable limits. If vibration levels cannot be kept below applicable limits then a different construction method or equipment will be utilised.
Visible dust leaving the site	Trigger	Daily inspections show that there is no visible dust leaving the site.	Daily inspections show that there is visible dust leaving the site.	Daily inspections show that there is visible dust leaving the site multiple times during a day OR from multiple locations within the site.
	Response	Continue monitoring program as normal.	Review and investigate construction activities and respective control measures, where appropriate. Implement additional remedial measures, such as deploying additional water sprays, water trucks etc.	Undertake an investigation of the dust generating activities, and if necessary, temporarily halt the dust generating activities.



Key Element	Trigger / Response	Condition Green	Condition Amber	Condition Red
Heritage	Trigger	No unknown heritage items uncovered.	Potential heritage item uncovered.	Potential heritage item uncovered causing significant delays to project.
	Response	Continue CEMP implementation.	Stop work and implement the unexpected finds protocol in Section 4.7.	Stop work and implement the unexpected finds protocol in Section 4.7
Unexpected Contamination	Trigger	No contamination uncovered during earthworks.	Areas of possible contamination uncovered.	Areas of contamination uncovered.
	Response	Continue CEMP implementation.	Stop work immediately and assess if the UFP needs to be implemented.	Stop work and immediately undertake UFP actions including engaging a specialist consultant. A validation report is to be prepared following remediation.
Queuing	Trigger	No queuing identified.	Queuing identified within site.	Queuing identified on the public road.
	Response	No response required. Continue monitoring program.	Review the delivery schedule prepared by the builder. If drivers are not following the correct schedule, then they should be provided with additional training and an extra copy of the Driver Code of Conduct.	Review and investigate construction activities. If it is concluded that construction activities were directly responsible for the exceedance, submit an incident report to government agencies. Where appropriate, implement additional remediation measures such as: • Temporary halting of activities and resuming when conditions have improved. • Stop all transportation into and out of the site. • Review CTPMSP and update where necessary. • Provide additional training.
Erosion	Trigger	No evidence of erosion.	Minor gully or tunnel erosions present and/or rilling. Evidence of sediment or sediment laden water leaving the site.	Significant gully or tunnel erosions present and/or rilling. Evidence of sediment or sediment laden water leaving the site.
	Response	Continue CEMP implementation.	A suitably trained person to inspect the site. Review of erosions and	A suitably trained person to inspect the site. Review of erosion and sediment structures. Remediate as soon as practical.



Key Element	Trigger / Response	Condition Green	Condition Amber	Condition Red
			sediment structures. Remediate as appropriate.	
Water management structures	Trigger	Water management structures have been designed, constructed and managed in accordance with the Blue Book and the ESCP.	Inspections indicate that water management structures illustrate minor non-compliance with the Blue Book and the ESCP.	Inspections indicate a failure of the water management structures.
	Response	Continue CEMP implementation.	A suitably trained person to inspect the site. Review of water management structures. Remediate as appropriate.	A suitably trained person to inspect the site. Remediate as soon as practical. Review of engineering design and revise ESCP.
Dewatering	Trigger	Dewatering undertaken as per DMP.	Dewatering non-compliance, including overflow.	
	Response	Continue CEMP and DMP implementation.	If any non-conformance is encountered, then dewatering must be suspended and/or additional on-site temporary storage provided. • Suspend all discharge into the nominated stormwater disposal point, and any dewatering into the inlet of the treatment system; • Notify the Site Manager / Contractor and Environmental Consultant; • Environmental Consultant to inspect the site / unexpected finds and collect additional water quality samples as required; • Environmental Consultant to liaise with Site Manager if any adjustments / modifications to the treatment system may be required: - o Off-site disposal by tanker will be adopted where reconfiguration / adjustment of the treatment system is not practical to meet disposal requirements.	



6.0 Review and Improvement of the CEMP

Condition A30 of SSD-57838709 states that all strategies, plans and programs required under SSD-57838709 will be reviewed within three months of:

- The submission of an incident report under condition A26;
- The submission of an Independent Audit under condition C43;
- The approval of any modification of the conditions of this consent; or
- The issue of a direction of the Planning Secretary under condition A3 which requires a review.

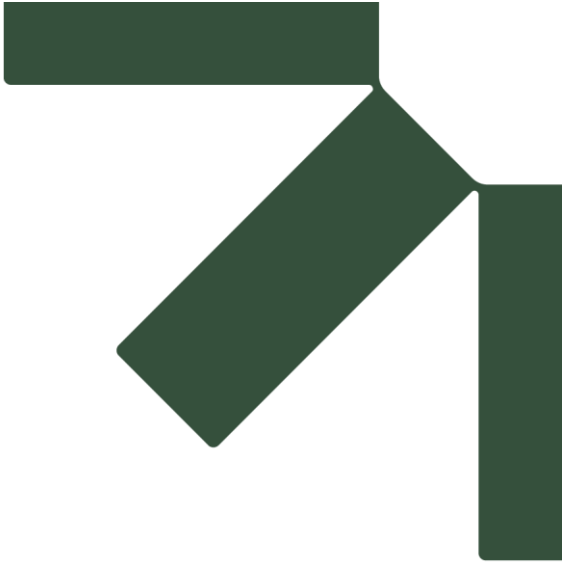
The Planning Secretary must be notified in writing that a review is being carried out.

This CEMP will also be reviewed and, if necessary, revised in the following circumstances:

- Where there is any change to the scope of the construction activities and/or disturbance footprint;
- Where it is identified that the environmental performance is not meeting the objectives of the CEMP; and/or
- At the request of a relevant regulatory authority.

As per Condition A31, the revised documents will be sent to DPHI within 6 weeks of review. All employees and contractors will be informed of any revisions to the CEMP by the Project Manager during toolbox talks.





Appendix A Development Consent SSD- 57838709

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FDC Construction (NSW) Pty Ltd

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Appendix B

Contractor Handbook

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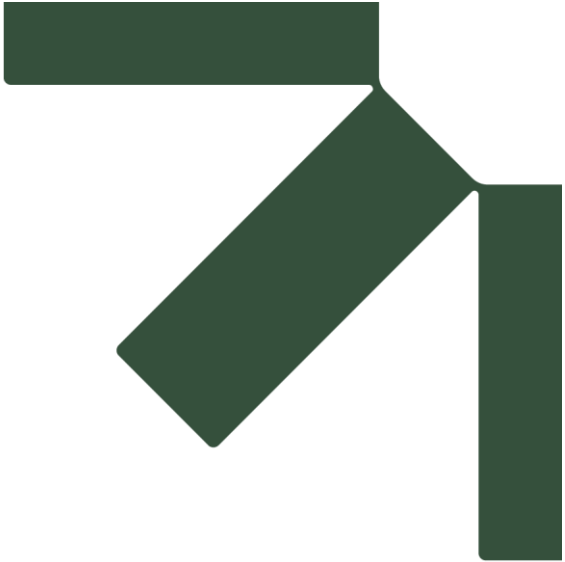
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Appendix C

FDC's Environmental Policy

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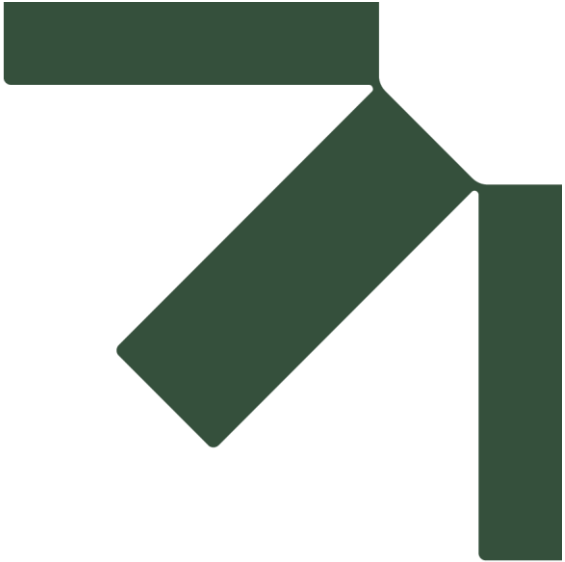
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Appendix D Incident Report

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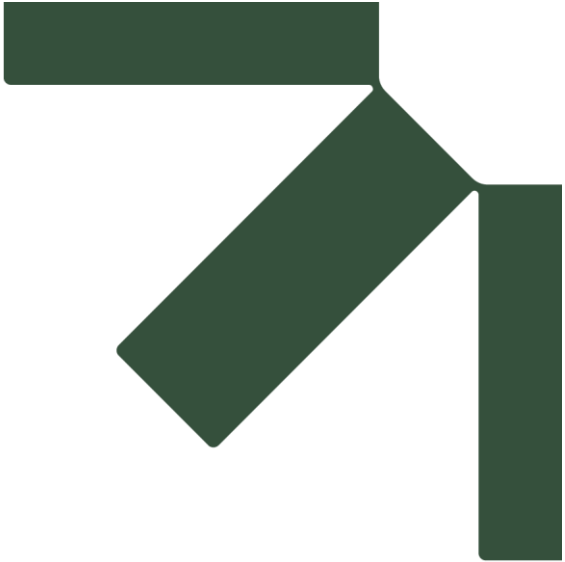
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Appendix E

Complaints Register

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Appendix F

Site Risk Assessment

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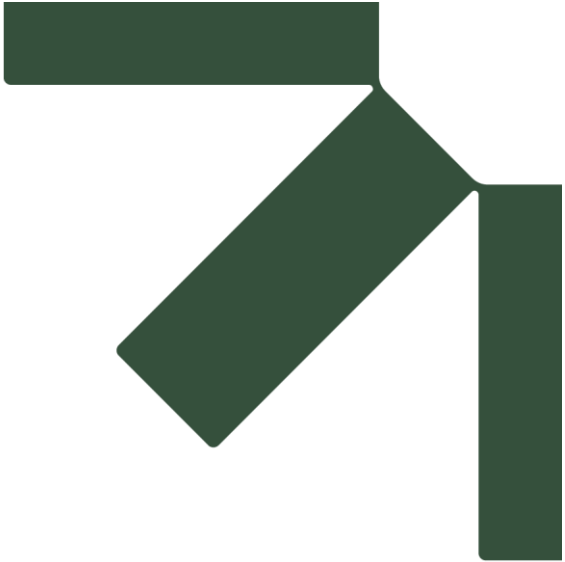
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Appendix G Construction Noise and Vibration Management Sub- Plan

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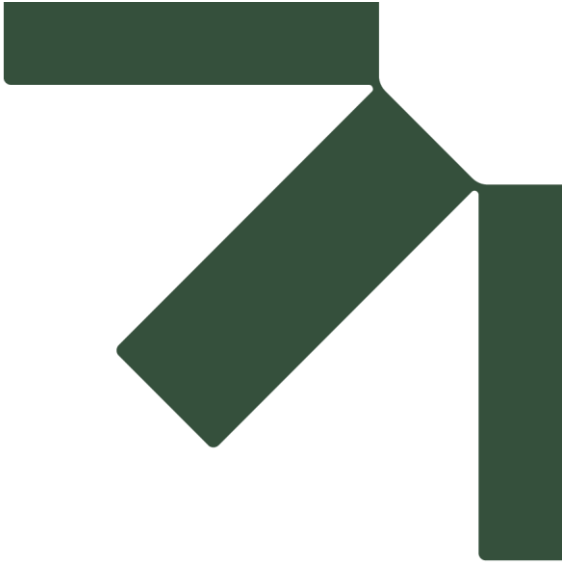
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Appendix H

Construction Traffic and Pedestrian Management Sub- Plan

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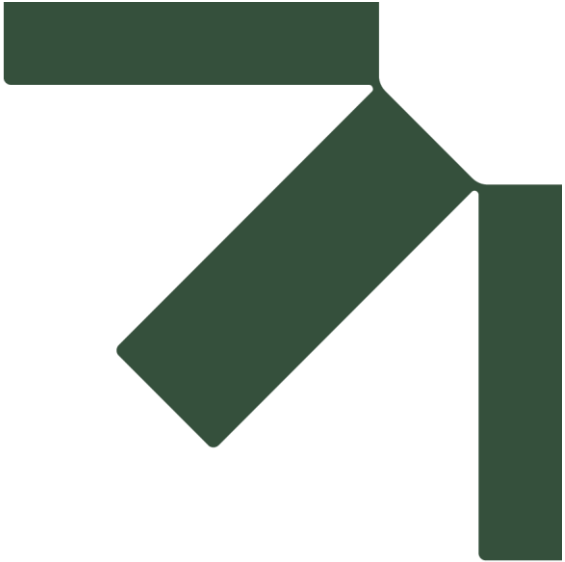
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Appendix I Dewatering Management Plan

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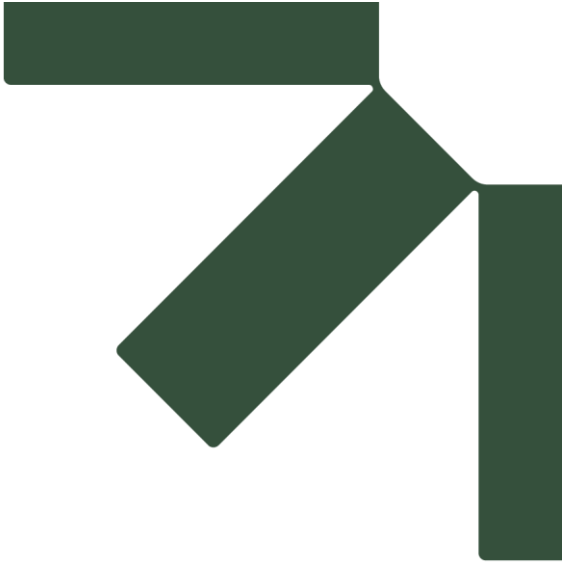
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Appendix J

Erosion and Sedimentation Control Plan

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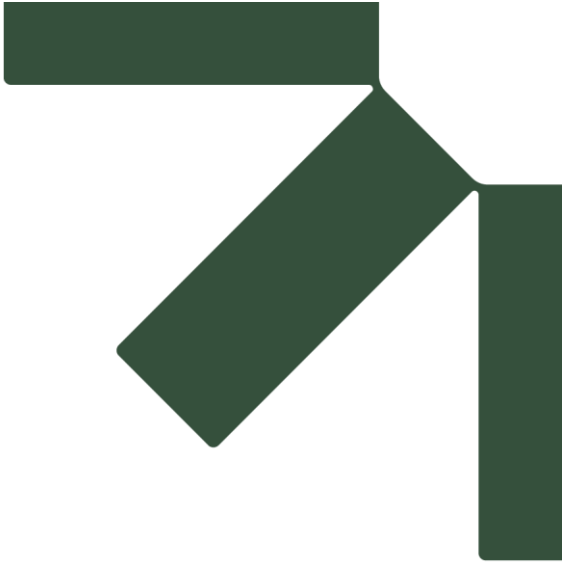
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Appendix K Project Management Plan

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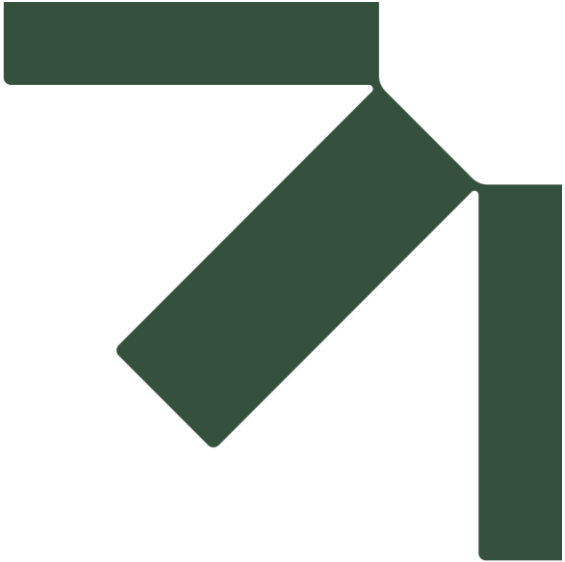
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Appendix L

Consultation Evidence

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Appendix M

Aboriginal Cultural Heritage Management Sub- Plan

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Appendix N

Salvage Methodology

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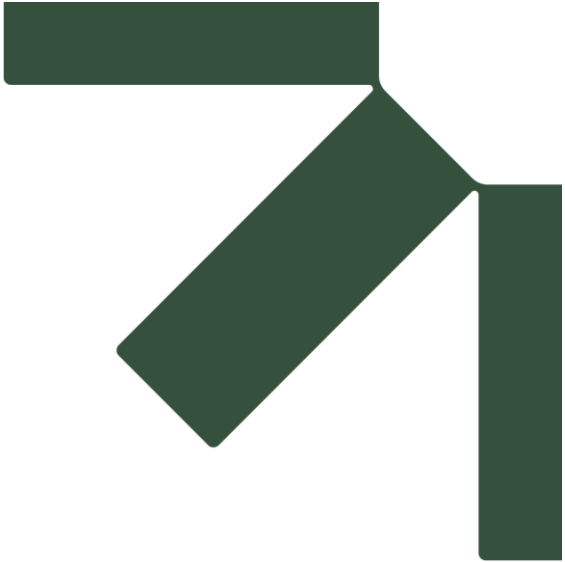
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Appendix O Construction Waste Management Sub- Plan

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Appendix P

Asbestos Management Plan

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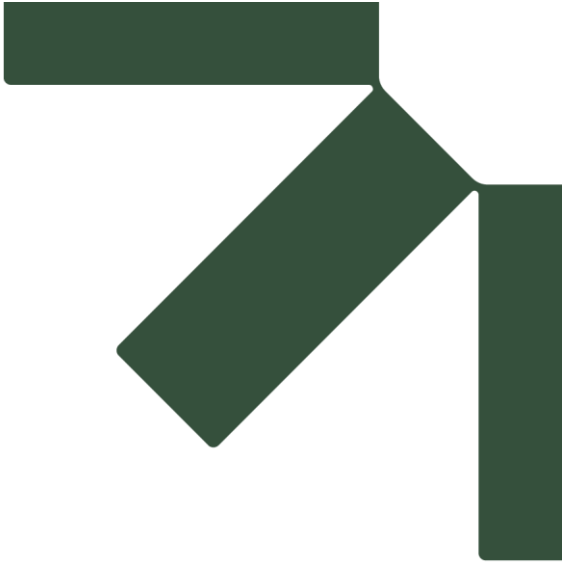
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Appendix Q

Construction Flood Emergency Management Sub- Plan

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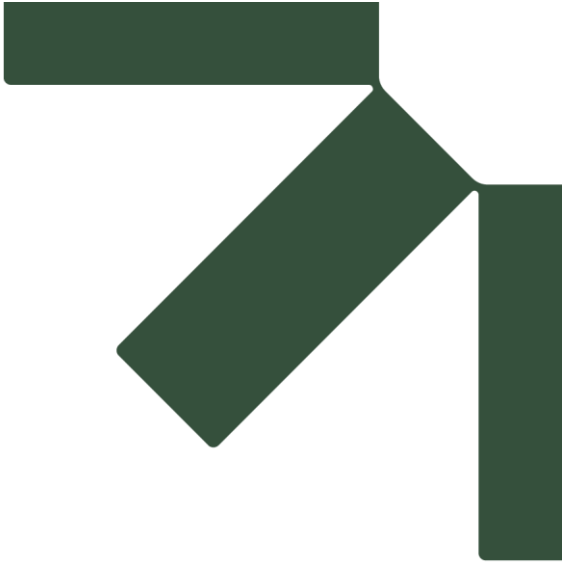
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Appendix R Archival Recording

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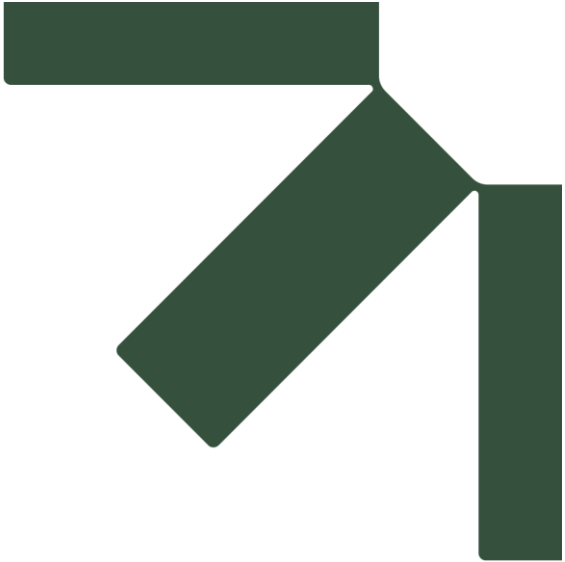
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Appendix S Conservation Works Schedules

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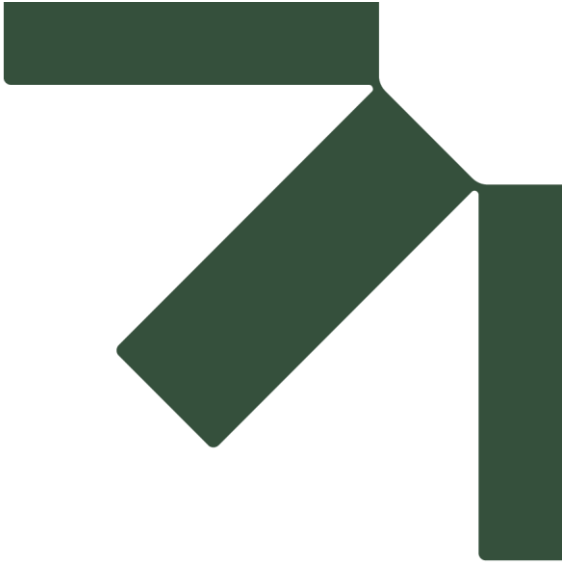
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Appendix T

Heritage Interpretation Plan

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Appendix U

Archaeological Work Method Statement

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