

EIS

Project Echidna

Appendix E: Summary of management and mitigation measures

Reference: SSD-47320208

Final | October 2022

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

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1. Summary of management and mitigation measures

ID	Environmental management and mitigation measures	Owner	Timing
0	General environmental management measures		
0A	<p>Finalisation of detailed design</p> <p>Apply and obtain approval under s138 of the <i>Roads Act 1993</i> for construction works location on public road reserves</p> <p>Apply and obtain approval under s91 of the <i>Water Management Act 2000</i> for works that involve ‘aquifer interference’</p>	Proponent	Pre-construction
0B	<p>A Construction Environmental Management Plan (CEMP) would be prepared to manage environmental impacts during construction. The CEMP and sub plans would include:</p> <ul style="list-style-type: none"> • Contamination and acid sulphate soils management and unexpected finds procedures • Soil erosion, surface water and groundwater management • Flora and fauna handling and protection • Cultural and heritage items unexpected finds procedures • Waste management • Air and dust emissions management • Noise and vibration impact management • Traffic and access impact management • Hazard and risks management • Communications Plan 	Contractor	Construction
1	Visual		
1A	<p>The lighting design specification will be developed to reduce spill and glare. It will also achieve the required standards set out in AS4282: 2019 - Control of the Obtrusive Effect of Outdoor Lighting (Standards Australia, 2019). This may require the use of directional lighting, cut-offs, or filters installed in accordance with AS1158.3: 2020 – Lighting Roads and Public Spaces (Standards Australia, 2020).</p>	Proponent	Detailed Design
1B	<p>An Urban Design and Landscape Management Plan will be prepared to support the final detailed design. The Plan will be prepared to respond to the Better Placed policy (NSW Government, 2017) and the Connection with Country framework (NSW Government, 2019). It will provide practical detail on the application of the proposed design principles and objectives identified in</p>	Proponent	Detailed Design

ID	Environmental management and mitigation measures	Owner	Timing
	<p>the environmental assessment. The Plan will include details on the:</p> <ul style="list-style-type: none"> Final landscape and planting species mix Built elements, façade treatments, materials, and palettes Public domain upgrades in compliance with the Eastern Creek Precinct Plan Fixtures such as seating, lighting, fencing, and signs Details of the proposed landscape works Procedures for monitoring and maintaining landscaped or rehabilitated areas. 		
1C	<p>Existing vegetation surrounding the site will be retained and protected where possible:</p> <ul style="list-style-type: none"> Any existing vegetation will be identified Existing vegetation will be marked as a no-go zone Construction workers will be made aware of these areas when carrying out works High-risk activities in proximity to these areas will be avoided The condition of any vegetation will be checked before finishing the works. 	Contractor	Pre-construction/construction
1D	<p>The vegetation buffer and canopy trees (wattles) will be retained along the Site’s southern boundary.</p>	Contractor	Pre-construction/construction
1E	<p>The site and landscape planting will be managed to maintain its visual and amenity function. This will ensure the area’s wider values are protected and the appearance of the site is maintained to reduce the impacts of time, climate, and use, consistent with Objective 6 of Better Placed.</p>	Proponent	Pre-operation/operation
2	Traffic, transport and accessibility		
2A	<p>Any road infrastructure specifically built to support the Proposal will be designed in accordance with the latest provisions set out under the various parts of AS2890 relating to parking, commercial vehicles facilities, and parking for people with disabilities.</p>	Proponent	Detailed Design
2B	<p>The outline Construction Pedestrian and Traffic Management Plan (CPTMP) will be updated and finalised, before being implemented and monitored onsite. The CPTMP will finalise construction vehicle movements, routes, and access and parking arrangements. It will account for the other construction occurring in the area to show how impacts on existing traffic, pedestrian, and bicycle networks will be managed and mitigated. The CPTMP will form part of the CEMP. It must be:</p>	Contractor	Pre-construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
	<ul style="list-style-type: none"> • Prepared by a suitably qualified and experienced person • Prepared in consultation with Council and Transport for NSW • Detail the measures to be implemented to ensure road safety and network efficiency during construction • Detail heavy vehicle routes, access, and parking arrangements • Include a Driver Code of Conduct to: <ul style="list-style-type: none"> • Minimise the impact of construction traffic on the local and regional road network • Minimise conflicts with other road users • Minimise road traffic noise • Ensure truck drivers use specified routes <p>Include a program to monitor the effectiveness of these measures.</p>		
2C	Appropriate signage, line marking and crossing facilities will be provided in accordance with AS 1742.2:2009 – Management of Uniform Traffic Control Devices (Standards Australia, 2009).	Contractor	Pre-construction/construction
2D	All vehicles entering or leaving the site during construction will be restricted to using the dedicated entrance on Eastern Creek Drive. Construction traffic would be restricted to using Eastern Creek Drive and Old Wallgrove Road.	Contractor	Pre-construction/construction
2E	<p>A finalised Green Travel Plan (GTP) will be prepared in consultation with Transport for NSW. It will outline the facilities and measures to promote the following:</p> <ul style="list-style-type: none"> • Cycling will be encouraged by ensuring cycle parking is clearly visible or provide signage to direct people to cycling facilities, a map is provided to staff showing cycle routes, and use of the end-of-trip facilities is encouraged • Walking will be encouraged by producing a map showing safe routes to and from the site with times, and distances to local facilities such as shops and bus stops. • Public transport use will be encouraged by: <ul style="list-style-type: none"> • Developing a map showing public transport routes in the area <p>Putting up a noticeboard with leaflets and maps showing the main public transport routes to and from site, and timetables.</p>	Proponent	Pre-operation/operation
2F	A Loading Dock Delivery Management Plan (LDDMP) will be prepared that provides details of the onsite loading dock, and the number and frequency of service and delivery vehicle movements during	Proponent	Pre-operation/operation

ID	Environmental management and mitigation measures	Owner	Timing
	operation. The Plan will also outline the measures that will be implemented to ensure service and delivery vehicles do not adversely impact on the surrounding road network.		
3	ESD		
3A	The final ESD initiatives will be confirmed during the detailed design and their performance and benefit will be measured. The Proponent will report on their implementation in its operational and corporate key performance indicator reporting. The initiatives will be revised or revisited if the Proposal falls below the Proponent’s corporate standards. The initiatives will also be revisited if they are not aligned with, or achieving, the NSW Government’s net zero emission goals as they relate to the use of natural capital provisions (i.e., energy, water, natural resources).	Proponent	All stages
4	Biodiversity		
4A	In the unlikely event that unexpected threatened species are identified during construction, works will stop, and an ecologist will be contacted for advice.	Proponent/ contractor	Pre- construction/construction
4B	The site will be safely closed-down each night to prevent species being trapped onsite. Should any fauna be discovered, then an ecologists or trained person will remove them to a safe location offsite.	Proponent/ contractor	Pre- construction/construction
4C	A Biosecurity Management Plan will be developed, outlining appropriate control and disposal options of any high threat, and declared priority weeds, pests, and pathogens. The Plan will be prepared in accordance with the guidance provided on the NSW Weed Wise portal. Measures will be taken to washdown, inspect, and treat equipment and machinery moving to and from site to avoid the spread of seeds, weeds, and pathogens. Routine site inspections will be carried out to ensure the biosecurity measures are working effectively, and that any pests, vermin, and priority weeds are not present in sufficient numbers to pose an environmental hazard or cause the loss of amenity in the surrounding area.	Contractor	Pre- construction/construction
4D	Biosecurity measures will be maintained to prevent the spread of weeds, pests, and pathogens.	Proponent	Pre-operation/operation
5	Air quality		
5A	The back-up generators or enclosures will be designed, installed, and operated so as not to prevent the retrofitting of air pollution emission controls.	Proponent	Detailed Design
5B	A Dust and Air Quality Management Plan will be prepared and implemented as part of the CEMP. It will address potential emission sources, air quality objectives, mitigation and suppression methods, measures to manage work during adverse weather and strong winds, and responsibilities. It will tie into the wider notification and complaints handling processes. The Plan will include:	Contractor	Pre- construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
	<ul style="list-style-type: none"> • All reasonable steps to minimise dust during the site works • Measures to: <ul style="list-style-type: none"> • Suppress dust from exposed surfaces and stockpiles • Have all trucks cover their loads when entering and leaving site • Prevent tracking dirt onto public roads • Inspect and clean all public roads • Progressively stabilise land to minimise exposed surfaces. 		
5C	<p>The following management measures will be included as part of the CEMP to minimise air emissions from construction vehicles and site machinery:</p> <ul style="list-style-type: none"> • A high standard of equipment and machinery maintenance will be implemented to minimise vehicle emissions <p>Pre-start checks will be carried out to ensure equipment and machinery is in good working order.</p>	Contractor	Pre-construction/construction
5D	<p>The back-up generators and other equipment will be routinely serviced to manufacturer specifications to maintain their operational efficiency.</p>	Proponent	Operation
5E	<p>A Back-up Generator Incident Report will be prepared within 30 days of the system being used in an emergency. The Report will detail:</p> <ul style="list-style-type: none"> • The date and time of the power outage • The total number of back-up generators used to power the site • The total number of hours the back-up generators were operated • The total quantity of diesel used to feed the back-up generators • The total amount of electricity produced by the generators <p>Evidence to prove the air quality goals were not exceeded.</p>	Proponent	Operation
6	Noise and vibration		
6A	<p>The location and form of the following measures will be included within the detailed design to achieve the criteria limits set by the Noise Policy for Industry (EPA, 2017).</p> <ul style="list-style-type: none"> • Reselecting quieter equipment • Installing acoustic louvres to the plant room and/or attenuators to the cooling (air conditioning) units 	Proponent	Detailed design

ID	Environmental management and mitigation measures	Owner	Timing
	<ul style="list-style-type: none"> Building solid barriers/partial enclosures around noisy plant 		
6B	Low-noise construction equipment and/or methods, such as using bored piling instead of impact piling for example, will be selected by preference.	Proponent/contractor	Detailed design
6C	<p>A Construction Noise and Vibration Management Plan will be prepared and implemented as part of the CEMP to address the following: roles and responsibilities, noise sensitive receiver locations, areas of potential impact, mitigation strategy, and monitoring methods. It will tie into the wider notification and complaints handling processes. The Plan will be prepared by a suitably qualified and experienced person, and it will:</p> <ul style="list-style-type: none"> Describe the measures to achieve the construction noise management levels in the Interim Construction Noise Guidelines (DECC, 2009), otherwise identify all feasible and reasonable measures to manage, minimise, and limit the scale and duration of the exceedance <p>Describe the measures used to manage high noise-generating work, including the planned piling.</p>	Contractor	Pre-construction/construction
6D	Noise affected receivers will be notified at least five days before starting work regarding construction periods and working hours.	Proponent/contractor	Pre-construction/construction
6E	Work will take place within the approved working hours. Any work undertaken outside of this will be managed and monitored in accordance with the Interim Construction Noise Guidelines (DECC, 2009).	Contractor	Pre-construction/construction
6F	Stationary plant and equipment will be located as far away from sensitive receivers as possible.	Contractor	Pre-construction/construction
6G	Site sheds and other temporary structures or screens will be used to limit noise exposure.	Contractor	Pre-construction/construction
6H	The construction equipment, method, or programme will be modified to minimise concurrent activities that significantly increase the noise levels. The programming will also consider the location of concurrent activities.	Contractor	Pre-construction/construction
6I	<p>The following work practices will be adopted:</p> <ul style="list-style-type: none"> Workers and contractors will be given training to use equipment in ways to minimise noise Site managers will periodically check the area for noise issues Use of radios or stereos outdoors will be prohibited The overuse of public address systems will be limited <p>Equipment and plant will be turned-off when it is not being used.</p>	Contractor	Pre-construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
6J	All vibration intensive equipment will adopt at least the minimum safe-working distances set under guidance. By precaution, should equipment be located within these distances, additional mitigation measures, such as vibration monitoring, will be used.	Contractor	Pre-construction/construction
6K	<p>Attended noise compliance monitoring will be carried out within three months of the site's full operation (i.e., after the full fit out). It will be carried out by a suitably qualified and experienced acoustic consultant at surrounding sensitive receivers. It will occur:</p> <ul style="list-style-type: none"> • When the development is operating, and the back-up generators are being tested • For 1.5 hours during the day, 30 minutes during the evening, and one hour at night. • If the modelling shows a risk of exceedance, then additional noise mitigation measures will be investigated and installed. 	Proponent	Pre-operation/operation
6L	A Noise Compliance Verification report will be prepared within 30 days of completing the attended noise compliance monitoring. This report will be prepared by a suitably qualified and experienced person. It will assess compliance against the Noise Policy for Industry (EPA, 2017). Outline management actions will be taken to address any exceedances of the noise limits. The Report will describe the contingency measures used if management actions are not effective in reducing noise to an acceptable level.	Proponent	Pre-operation/operation
6M	The operational equipment and machinery will be maintained within performance specifications. This will include testing and maintaining the back-up diesel generators in accordance with the schedule set out in the EIS.	Proponent	Pre-operation/operation
6N	Any received noise complaint will be investigated, and additional noise monitoring will be carried out if needed. In the event of discovering that the complaint is valid, additional noise mitigation measures will be investigated and implemented as needed.	Proponent	Pre-operation/operation
7	Ground and water conditions		
7A	Further geotechnical investigation will be carried out to confirm the potential groundwater impacts. If needed, the piles and construction method will be designed to prevent any vertical or horizontal movement of groundwater.	Proponent	Detailed design
7B	<p>A Soil and Water Management Plan will be prepared and implemented as part of the CEMP. The Plan will identify all reasonably foreseeable risks relating to ground and water condition impacts and describe how these risks will be addressed during construction.</p> <p>It will require all erosion and control measures to be provided onsite before construction starts. It will be prepared using the various volumes of Urban Stormwater</p>	Contractor	Pre-construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
	<p>Soils and Construction (Landcom, 2004). It will set out erosion and sediment control measures for various construction activities, including the clearing, excavation, and stockpiling to mitigate impacts. The Plan will include strategies to manage:</p> <ul style="list-style-type: none"> • Stockpiles • The import of (virgin) excavated natural material for use onsite • Testing under the Resource Recovery Exemptions (EPA, 2022) to reuse material • Discharge limits in accordance with section 120 of the POEO Act • Records of the volume and type of fill • Site entrances and exit stability • Sediment fencing, basins, and dams <p>Mesh and gravel and geotextile inlet filters.</p>		
7C	<p>A site-specific Erosion and Sediment Control Plan will be prepared and implemented as part of the Soil and Water Management Plan. The Plan will include arrangements for managing wet weather events. This will include monitoring of potential high-risk events (such as storms), and specific controls and follow-up measures to be applied in the event of wet weather. The Plan will incorporate the following controls:</p> <ul style="list-style-type: none"> • Appropriate locations of stockpiles, construction materials, fuels, and chemicals, including bunding where required • Divert or capture the overland flow water for filtration prior to discharge • Installation of stabilised site entry/exit points and wheel wash bays to minimise the transportation of construction materials onto adjoining roads • Sediment fencing to contain and manage runoff within the site • Reuse of the temporary sediment basin to collect the runoff on the construction site • Reuse of the stormwater collected in the temporary sediment basin for dust suppression • Use of mesh and gravel and geotextile inlet filters <p>Implementation of a maintenance plan for the site and wider private stormwater network.</p>	Contractor	Pre-construction/construction
7D	<p>Suitable erosion and sediment controls will be installed before construction starts in accordance with the Erosion and Sediment Control Plan and Urban Stormwater Soils and Construction Volume 1 (Landcom, 2004). Further</p>	Contractor	Pre-construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
	environmental assessment will be carried out if they need locating outside of the site.		
7E	All stockpiles will be designed, established, operated, and decommissioned in accordance with the Stockpile Management Guidelines (EPA, 2021).	Contractor	Pre-construction/construction
7F	A site-specific Emergency Spill Plan will be developed and implemented. It will include management measures and relevant EPA guidelines. The Plan will address measures to be implemented in the event of a spill, including initial response and containment and the notification of emergency services and relevant authorities, including the EPA.	Contractor	Pre-construction/construction
7G	Testing will verify the site-specific soil and groundwater aggressivity. Following this, an earthworks management strategy will be developed to avoid mixing of saline soils in areas of lower or non-saline soils.	Contractor	Pre-construction/construction
7H	Any potentially contaminating materials will be stored onsite in a secure containment area in the compound. This will have sufficient capacity to hold 110 percent of the stored volume, and any spills or discharges will be collected and transported offsite to a licenced facility in accordance with the established waste management procedures.	Contractor	Pre-construction/construction
7I	Vehicle and equipment maintenance will take place in the contained area in the site compound to prevent any loss in the event of an accidental spill. Equipment and machinery will not be refuelled onsite.	Contractor	Pre-construction/construction
7H	An Emergency Spill Plan will continue to be implemented onsite.	Proponent	Pre-operation/operation
7I	A site reinstatement inspection will be carried out to confirm the area is stabilised and there is no residual erosion or sediment risk.	Proponent	Pre-operation/operation
8	Stormwater, wastewater and flooding		
8A	Detailed design drawings will be prepared by a suitably qualified engineer before issuing the relevant Construction Certificates. They will show detail on the: <ul style="list-style-type: none"> • Stormwater management system and connections into the wider site provisions • The relationship between the footings, foundations, and stormwater management systems • How stormwater arrangements can manage events up to the one percent annual exceedance probability (100-year average return interval). 	Contractor	Detailed Design
8B	Weather reports will be monitored every day. If there is suspected extreme weather (heavy rainfall and wind) the site will be managed and closed down safely. This will involve covering excavations and checking the stormwater management, erosion, and sediment control provisions.	Contractor	Pre-construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
8C	The stormwater drains, channels, gross pollutant traps, pits, sumps, and overland flow routes will be routinely inspected and maintained to avoid any blockages to prevent soil quality loss.	Proponent	Pre-operation/operation
9	Hazard and risk		
9A	<p>A Fire Safety Study will be prepared one month before construction starts. It will be prepared in consultation with Fire and Rescue NSW. The Study will include details on:</p> <ul style="list-style-type: none"> • The final back-up power system • Aspects of Hazardous Industry Planning Advisory Paper No.2. Fire Safety Study (DoP, 2011) <p>Best Practice Guidelines for Contaminated Water Retention and Treatment Systems (NSW Government, 1994)</p>	Proponent	Detailed Design
9B	Hazardous materials will be removed and disposed of in accordance with the relevant legislation, codes of practice, Australian Standards, and the Work Health and Safety Regulation 2017.	Proponent/ contractor	Construction/operation
9C	All hazardous substances will be stored and managed in accordance with relevant Australian Standards, and in particular, AS1940:2004-The Storage and Handling of Flammable and Combustible Liquids (Standards Australia, 2004), the Hazardous and Offensive Development Application Guidelines - Applying SEPP 33 (DoP, 2011), Storing and Handling Liquids – Environmental Protection – Participant’s Manual (DECC, 2007), the Work Health and Safety Regulation 2017, and the <i>Environmentally Hazardous Chemicals Act 1985</i> .	Proponent/ contractor	Construction/operation
9D	Dangerous good quantities will remain below the thresholds listed in the Hazardous and Offensive Development Application Guidelines – Applying SEPP33 (DoP, 2011)	Proponent/ contractor	Construction/operation
9E	A Hazard Management and Site Emergency Plan will be prepared and implemented to manage impacts from hazardous materials during construction and operation.	Proponent/ contractor	Construction/operation
9F	<p>The following measures will be included onsite as per the Work Health and Safety Regulation:</p> <ul style="list-style-type: none"> • Outer warning placards regarding quantities of diesel stored will be displayed at all emergency service entrance points • Placards will be displayed on or near the diesel belly tanks • A manifest of diesel storage will be prepared • The regulator will be notified of diesel storage exceeds the manifest quantities <p>A Site Emergency Plan will be prepared and provided to NSW Fire and Rescue.</p>	Proponent/ contractor	Construction/operation

ID	Environmental management and mitigation measures	Owner	Timing
10	Waste management		
10A	<p>A Waste Management Plan will be prepared and implemented in accordance with the Guideline for Waste Management in New Developments (Blacktown City Council, 2015) and the waste hierarchy. Specifically, the Plan will:</p> <ul style="list-style-type: none"> • Will include provision for source separation systems for recyclable materials, including, paper and card, mixed recyclables, e-waste, and hazardous waste • Include recovery, recycling and waste diversion targets based on the aim to divert at least 80 percent of construction waste from landfill as per the <i>Waste Resource and Recovery Act 2001</i> • List the resource recovery exemptions and orders used onsite (EPA, 2022) • Include: <ul style="list-style-type: none"> • Provisions for the adequate storage and collection of waste • Requirements for a licenced contractor to handle all recovered and recycle materials • Measures from the National Waste Policy: Less Waste, More Resources (DAWE, 2018) • Outline procedures for temporary waste storage and stockpiling • Set out processes for disposal, including onsite transfer, management, and the necessary associated approvals and permits • Include provisions to: <ul style="list-style-type: none"> • Minimise onsite storage to avoid potential issues associated with odour, visual amenity, and attracting vermin and pests • Contain materials during storage and transport, such as covering, fencing and bunding • Outline an Unexpected Finds Protocol <p>Include a process for auditing, monitoring, and reporting.</p>	Proponent/ contractor	Construction/operation
10B	All material will be firstly classed under existing resource recovery order to prioritise recovery. Failing that, it will be classified in accordance with the NSW Waste Classification Guidelines (EPA, 2014). Finally, they will be handled and managed in accordance with the provisions of the <i>Protection of the Environment Operations Act 1997</i> and supporting Waste Regulations.	Proponent/ contractor	Construction/operation
10C	Waste will always be secured and maintained within a designated storage area and must not be stored on neighbouring public or private properties.	Proponent/ contractor	Construction/operation

ID	Environmental management and mitigation measures	Owner	Timing
10D	Materials removed from site will be directed to a resource recovery, recycling, or waste management facility, otherwise premises lawfully permitted to accept the materials.	Proponent/ contractor	Construction/operation
10E	Waste generated outside must not be received at the site for storage, treatment, processing, reprocessing, or disposal. This includes waste generated on Building 1/1A.	Proponent/ contractor	Construction/operation
10F	<p>Stockpiled and stored wastes will be:</p> <ul style="list-style-type: none"> • Appropriately: <ul style="list-style-type: none"> • Segregated to avoid mixing and contamination • Labelled • Stored to minimise the risk of erosion, leaks, and spills <p>Isolated from overland flow paths and stormwater drains.</p>	Proponent/ contractor	Construction/operation
11	Aboriginal cultural heritage		
11A	The Proposal's detailed design will continue to account for Traditional Custodians, and key Aboriginal stakeholders will have suggestions relating to the detailed architectural design and façade.	Proponent/ Traditional Custodians	Detailed design
11B	<p>The detailed design will provide opportunities for:</p> <ul style="list-style-type: none"> • First Nation employment and procurement from businesses under majority Aboriginal ownership • Traditional Custodians and key Aboriginal stakeholders to contribute to the landscaping and planting strategy • Traditional Custodians to perform a smoking or welcoming ceremony • Naming the development in local language and installing Acknowledgement of Country signage at the entrance or on the perimeter fencing. 	Proponent/ Traditional Custodians	Detailed design
11C	The Proposal will create First Nation employment opportunities, while helping the employees understand and respect the First Nation culture of the Country. Events such as NAIDOC will be recognised in a meaningful way, supporting both First Nation and non-Aboriginal staff. They will be considerate and understanding of cultural obligations, including, but not limited to, supporting Sorry Business.	Proponent/ Traditional Custodians	Detailed design
11D	A First Nation Unexpected Finds Protocol will be developed and implemented. The Protocol will include measures to deal with any unanticipated archaeological deposits or skeletal remains found during construction. It will require works within 10 metres of the item or object to stop immediately. It will also require the contractor to notify the Proponent so they can assist in co-ordinating the next steps, which are likely to involve consultation with an archaeologist and Heritage NSW. Where	Contractor	Pre- construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
	required, further archaeological work and/or consents will be carried out and obtained before work restarts in this area. Works would only be allowed to restart near a confirmed First Nation item or object in accordance with Part 6 of the <i>National Parks and Wildlife Act 1974</i> .		
11E	A smoking ceremony and traditional dance will be carried out by the Traditional Custodians before construction starts.	Contractor/ Traditional Custodians	Pre- construction/construction
11F	A smoking ceremony and traditional dance will be carried out on opening the centre.	Proponent/ Traditional Custodians	Pre- construction/construction
12	Social		
12A	<p>A Communications Plan will be prepared and implemented as part of the CEMP. This will help provide timely and accurate information to the community. The Plan will include:</p> <ul style="list-style-type: none"> • Mechanisms to provide details and timing of proposed activities to affected residents • Contact names and numbers for complaints • Details of public consultation. <p>This Plan will be translated into the relevant key languages for the LGAs.</p>	Proponent	Detailed design
12B	Consultation with Council and Transport for NSW will be carried out to identify opportunities to improve active and public transport access to the Site.	Proponent	Detailed design
12C	Further investigation into the intangible First Nation and European history of the site will be carried out. Further consultation with key (First Nation) stakeholders will be carried out to ensure outcomes are integrated into the detailed design.	Proponent	Detailed design
12D	Tree planting and other landscaping measures will reflect the surrounding environment. This will be done in consultation with Traditional Custodians to help provide a better Connection to Country. It will integrate into the final landscape and planting strategy.	Proponent	Detailed design
12E	Opportunities to improve overall security, including safety and crime prevention measures, will be investigated, and implemented during construction.	Contractor	Pre- construction/construction
12F	Use of local community and First Nation businesses will be prioritised to supply materials and services.	Contractor	Pre- construction/construction
12G	The local community and First Nations employment and training opportunities will be prioritised.	Proponent/ contractor	Pre- construction/construction
12H	All key stakeholders including businesses and residents affected by any proposed construction activity will be notified at least five business days before it starts.	Contractor	Pre- construction/construction
12I	A complaints register will be prepared and implemented before construction. It will be monitored and maintained.	Proponent/ contractor	Pre- construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
12J	Use of local community and First Nation businesses will be prioritised to supply materials and services.	Proponent	Pre-operation/operation
12K	The local community and First Nations employment and training opportunities will be prioritised.	Proponent	Pre-operation/operation
13	Infrastructure and utilities		
13A	<p>A detailed Infrastructure Delivery, Management and Staging Plan will be prepared during detailed design. The Plan will:</p> <ul style="list-style-type: none"> Finalise the connection schedule and staging into the provided infrastructure and utilities Confirm demand and supply requirements, including finalising agreements from utility providers Describe who is responsible for maintaining and managing the infrastructure and utilities, including a clear map of the interface points between privately and publicly owned, operated, and maintained utilities Set out the maintenance, testing, and servicing requirements of all onsite infrastructure and utilities <p>Define contingencies in the event of unexpected supply outcomes.</p>	Proponent	Detailed design
13B	Further investigation will be carried out during detail design to confirm the peak demand on Sydney Water to maintain the water-balance onsite. If this balance cannot be maintained, additional measures to capture or recycle rainwater will be investigated and implemented as needed.	Proponent	Detailed design
13C	Evidence will be provided showing that the required arrangements have been made with the utility and service providers to supply the site before relevant Construction Certificates are issued.	Proponent/ contractor	Pre-construction/construction
13D	Precautionary utility checks will be carried out before starting work. This will include detailed searches of Before You Dig Australia records and consulting with relevant utility and service providers. Planned public utility service and maintenance schedules will be obtained to allow work to be coordinated.	Proponent/ contractor	Pre-construction/construction
13E	The existing private supporting utilities and services installed onsite will be identified and marked out before construction starts. Specific controls will be introduced to avoid accidental damage.	Contractor	Pre-construction/construction
13F	Any utility supply disruption will be agreed with the service providers beforehand. It will be carried out in accordance with their specifications and timed to minimise supply loss to customers. If supply needs cutting at night, and this affects the intention to limit work to standard construction hours, additional investigations will be carried out to understand any associated amenity-based impacts.	Contractor	Pre-construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
13G	A detailed Construction Delivery and Staging Plan will be developed in consultation with public infrastructure and utility providers. It will finalise the construction delivery plan, setting out the expected utility demand. It will include any unusual or atypical requirements when carrying out high-demand activities. The Plan will describe how the utility demand will be met onsite, including contingency provisions.	Contractor	Pre-construction/construction
13H	Post-installation integrity tests will be carried out at all connection points once installed to avoid any risk of containment loss or leaks.	Contractor	Pre-construction/construction
13I	A Compliance Certificate will be obtained for any services and utility connections not already obtained under the Concept Design Approval. They will be obtained before the relevant Occupation Certificate is issued.	Proponent/ contractor	Pre-operation/operation
13J	The onsite infrastructure and utilities will be routinely inspected, serviced, and maintained to prevent any containment or operational loss. It will also be used to maintain efficiency and prevent operational issues to other customers.	Proponent	Pre-operation/operation
14	Other mitigation and management		
14A	A European Heritage Unexpected Finds Protocol will be developed and implemented. The Protocol will include measures to deal with any unanticipated archaeological deposits or skeletal remains found during construction. It will require works within 10 metres of the finds to stop immediately. It will also require the contractor to immediately notify the Proponent so they can assist in co-ordinating the next steps, which are likely to involve consultation with an archaeologist. Where required, further archaeological work and/or consents will be carried out and obtained before work restarts in this area.	Contractor	Pre-construction/construction
14B	A Contaminated Land Unexpected Finds Procedure will be prepared and implemented so that any potentially contaminated material can be appropriately managed. The Procedure will form part of the CEMP and it must ensure any identified potentially contaminated material will be disposed of in accordance with the <i>Protection of the Environment Operations Act 1994</i> and its associated Regulations. Details of the final disposal locations and the results of any associated testing will be recorded before its removal offsite.	Contractor	Pre-construction/construction
15	Cumulative impact mitigation and management		
15A	Once the detailed design of both data centres is finalised, the combined cumulative impacts will be reviewed to see if they affect the assessment presented in the EIS. Additional measures will be investigated and implemented if needed.	Proponent	Detailed Design
15B	Once construction schedules across both data centres and the substation are finalised, the cumulative impacts will be reviewed and verified. If there is an unexpected change, then additional assessment will be carried out	Contractor	Pre-construction/construction

ID	Environmental management and mitigation measures	Owner	Timing
	and further measures will be investigated and implemented.		
15C	Work schedules and activities will be reviewed in consultation with Building 1/1A and the substation to avoid concurrent activities that will result in unnecessary additive impacts.	Contractor	Pre-construction/construction
15D	Once operational schedules across both data centres and the substation are finalised, the cumulative impacts will be reviewed and verified. If there is an unexpected change, then additional assessment will be carried out and further measures will be investigated and implemented.	Proponent	Pre-operation/operation
15E	A cumulative noise assessment will be carried out once the operational detail of Building 1/1A and the substation is finalised. This will confirm if the identified noise treatment measures need to be increased, or if they can be relaxed. The assessment will also confirm if the scheduled or back-up generator load testing can be carried out at night.	Proponent	Pre-operation/operation
15F	Work schedules and activities will be reviewed in consultation with Building 1/1A and the substation to avoid concurrent activities that will result in unnecessary additive impacts.	Proponent	Pre-operation/operation