

Development Consent

Section 4.38 of the *Environmental Planning & Assessment Act 1979*

As delegate of the Minister for Planning and Public Spaces, I grant consent to the development application referred to in Schedule 1, subject to the conditions in Schedule 2.

These conditions are required to:

- prevent, minimise and/or offset any adverse environmental impacts of the development;
- set standards and performance measures for acceptable environmental performance; and
- provide for the ongoing environmental management of the development.



Clay Preshaw
Executive Director
Energy, Resource and Industry Assessments

Sydney

22 December 2023

The Department has prepared a consolidated version of the consent which is intended to include all modifications to the original determination instrument.

The consolidated version of the consent has been prepared by the Department with all due care. This consolidated version is intended to aid the consent holder by combining all consents relating to the original determination instrument but it does not relieve a consent holder of its obligation to be aware of and fully comply with all consent obligations as they are set out in the legal instruments, including the original determination instrument and all subsequent modification instruments.

SCHEDULE 1

Application Number:	SSD 45242780
Applicant:	Akaysha Energy Pty Ltd
Consent Authority:	Minister for Planning and Public Spaces
Land:	See Appendix 2
Development:	Orana Battery Energy Storage System

CONSOLIDATED CONSENT

SUMMARY OF MODIFICATIONS

Red type represents Modification 1 (SSD-45242780-Mod-1)

Green type represents Modification 2 (SSD-45242780-Mod-2)

Application Number	Determination Date	Decider	Modification Description
SSD-45242780-Mod-1	26/09/2024	Director	Additional construction laydown area and permanent fill batters.
SSD-45242780-Mod-2	03/08/2025	Director	Amendment to approved development footprint and biodiversity offset requirements.

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DEFINITIONS

Aboriginal stakeholders	Aboriginal stakeholders registered for cultural heritage consultation for the development
Ancillary infrastructure	All project infrastructure with the exception of battery storage, including but not limited to the substation, switch room, control room, permanent offices, site compounds, electricity transmission lines, and internal roads
Applicant	Akaysha Energy Pty Ltd, or any person who seeks to carry out the development approved under this consent
Battery storage	Large scale energy storage system
BCS	Biodiversity Conservation and Science Group within NSW DCCEEW
Cessation of operations	Operation of the development has ceased for a continuous period of 12 months
Commissioning	The testing of the components, equipment and systems of the development following completion of construction, prior to operations commencing
Conditions of this consent	Conditions contained in Schedule 2
Construction	The construction of the development, including but not limited to, the carrying out of any earthworks on site and the construction of the battery storage and any ancillary infrastructure (but excludes road upgrades or maintenance works to the public road network, building/road dilapidation surveys, installation of fencing, artefact survey and/or salvage, overhead line safety marking and geotechnical drilling and/or surveying)
Council	Dubbo Regional Council
CPHR	Conservation Programs, Heritage, and Regulation Group within NSW DCCEEW
Decommissioning	The removal of battery storage infrastructure and ancillary infrastructure and/or rehabilitation of the site
Department	NSW Department of Planning, Housing and Infrastructure (DPHI) (formerly known as the Department of Planning and Environment)
Development	The development as described in the EIS
Development footprint	The area within the site on which the components of the project will be constructed (shown in Appendix 1)
EIS	The Environmental Impact Statement for Orana Battery Energy Storage System, dated 18 April 2023, Submissions Report dated 20 October 2023 and the additional information dated 19 December 2023, as amended by: Orana BESS Modification 1 Report dated 21 June 2024 (SSD-45242780-Mod-1) and the additional information dated 6 September 2024; and Orana BESS Modification 2 Report dated 26 June 2025 (SSD-45242780-Mod-2).
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2021</i>
EPA	Environment Protection Authority
Feasible	Feasible relates to engineering considerations and what is practical to build or implement
FRNSW	Fire and Rescue NSW
Heavy vehicle	As defined by the <i>Heavy Vehicle National Regulator</i> under the <i>Heavy Vehicle National Law (NSW)</i>
Heavy vehicle requiring escort	Any vehicle that requires a pilot vehicle and/or escort vehicle, as defined by the National Heavy Vehicle Regulator's NSW Class 1 Load Carrying Vehicle Operator's Guide
Heritage item	An item as defined under the <i>Heritage Act 1977</i> and/or an Aboriginal Object or Aboriginal Place as defined under the <i>National Parks and Wildlife Act 1974</i>
Heritage NSW	Heritage NSW Group within the NSW DCCEEW
Incident	An occurrence or set of circumstances that causes or threatens to cause material harm to the environment, and as a consequence of that environmental harm, may cause harm to the health and safety of human beings, and which may or may not be or cause a non-compliance
Light vehicle	As defined by the Transport for NSW Vehicle standards information sheet <i>VSI 05 Light vehicle dimension limits Rev 6</i> (TfNSW, 11 March 2015)

CONSOLIDATED CONSENT

Material harm

Is harm that:

- involves actual harm to the environment that may include (but not be limited to) a leak, spill, emission other escape or deposit of a substance, and as a consequence of that environmental harm (pollution), may cause harm to the health or safety of people; or
- results in actual loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (such 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).

Note: This definition excludes “harm” that is either authorised under this consent or any other statutory approval.

Note: For the purposes of this definition, material harm excludes incidents captured by Work Health and Safety reporting requirements.

Minimise	Implement all reasonable and feasible mitigation measures to reduce the impacts of the development
Minister	Minister for Planning and Public Spaces, or delegate
MW	Megawatt
MWh	Megawatt hour
Non-associated residence	A dwelling in existence at the date of this consent which is not associated with the development
Non-compliance	An occurrence, set of circumstances or development that is a breach of this consent but is not an incident
NSW DCCEEW	NSW Department of Climate Change, Energy, the Environment and Water
Operation	The operation of the development, but does not include commissioning, trials of equipment or the use of temporary facilities
Planning Secretary	Secretary of the Department, or nominee
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
Public infrastructure	Linear and related infrastructure that provides services to the general public, such as roads, railways, water supply, drainage, sewerage, gas supply, electricity, telephone, telecommunications, irrigation channels, drainage channels
Reasonable	Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements
Rehabilitation	The restoration of land disturbed by the development to a good condition, to ensure it is safe, stable and non-polluting
RFS	Rural Fire Service
Site	As indicated by the red line, as shown in Appendix 1 and listed in Appendix 2
Temporary facilities	Temporary facilities used for the construction, upgrading and/or decommissioning of the development, including but not limited to temporary site offices and compounds, materials storage compounds, maintenance workshops, material stockpiles, laydown areas and parking spaces
TfNSW	Transport for New South Wales
Upgrading	The replacement of battery storage and ancillary infrastructure on site (excluding maintenance) in accordance with the conditions of this consent
Vehicle movement	One vehicle entering and leaving the site
VPA	Voluntary Planning Agreement
Water Group	Water Group within NSW DCCEEW

SCHEDULE 2

PART A ADMINISTRATIVE CONDITIONS

OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

- A1. In 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, commissioning, upgrading, operation, decommissioning or rehabilitation of the development.

TERMS OF CONSENT

- A2. The development may only be carried out:
- (a) in compliance with the conditions of this consent;
 - (b) in accordance with all written directions of the Planning Secretary;
 - (c) generally in accordance with the EIS; and
 - (d) generally in accordance with the Development Layout in Appendix 1.
- A3. The Applicant must comply with any requirement/s of the Planning Secretary arising from the Department's assessment of:
- (a) any strategies, plans or correspondence that are submitted in accordance with this consent;
 - (b) any reports, reviews or audits commissioned by the Department regarding compliance with this consent; and
 - (c) the implementation of any actions or measures contained in these documents.
- A4. The conditions of this consent and directions of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document listed in condition A2(c) or A2(d). In the event of an inconsistency, ambiguity or conflict between any of the documents listed in condition A2(c) or A2(d), the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.

BATTERY STORAGE RESTRICTION

- A5. Unless the Planning Secretary agrees otherwise in writing, the battery storage associated with the development must not exceed a total delivery capacity of 400 MW.

Note: This condition does not prevent the Applicant from seeking to lodge a separate development application or modify this consent to increase the capacity of the battery storage in the future.

UPGRADING OF BATTERY STORAGE AND ANCILLARY INFRASTRUCTURE

- A6. The Applicant may upgrade the battery storage and ancillary infrastructure on site provided these upgrades remain within the approved development footprint of the site. Prior to carrying out any such upgrades, the Applicant must provide revised layout plans and project details of the development to the Planning Secretary incorporating the proposed upgrades.

STRUCTURAL ADEQUACY

- A7. The Applicant must ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the *Building Code of Australia*.

Notes:

- *Under Part 6 of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the development.*
- *The EP&A Regulation sets out the requirements for the certification of the development.*

DEMOLITION

- A8. The Applicant must ensure that all demolition work on site is carried out in accordance with *Australian Standard AS 2601-2001: The Demolition of Structures*, or its latest version.

PROTECTION OF PUBLIC INFRASTRUCTURE

A9. Unless the Applicant and the applicable authority agree otherwise, the Applicant must:

- (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and
- (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.

Note: This condition does not apply to the upgrade and maintenance of the road network, which is expressly provided for in the conditions of this consent.

OPERATION OF PLANT AND EQUIPMENT

A10. All plant and equipment used on site, or in connection with the development, must be:

- (a) maintained in a proper and efficient condition; and
- (b) operated in a proper and efficient manner.

SUBDIVISION

A11. The Applicant may subdivide land comprising the site for the purposes of carrying out the development as identified in Appendix 3 and in accordance with the requirements of the EP&A Act, EP&A Regulation and the *Conveyancing Act 1919* (NSW).

Notes:

- Under Part 6 of the EP&A Act, the Applicant is required to obtain a subdivision certificate for a plan of subdivision.
- Division 6.4 of Part 6 of the Act sets out the application requirements for subdivision certificates.

APPLICABILITY OF GUIDELINES

A12. References in the conditions of this consent to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, Standards or policies in the form they are in as at the date of this consent.

However, consistent with the conditions of this consent and without altering any limits or criteria in this consent, the Planning Secretary may, when issuing directions under this consent in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.

COMPLIANCE

A13. 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.

EVIDENCE OF CONSULTATION

A14. Where conditions of this consent require consultation with an identified party, the Applicant must:

- (a) consult with the relevant party prior to submitting the subject document to the Planning Secretary for approval; and
- (b) provide details of the consultation undertaken including:
 - (i) the outcome of that consultation, matters resolved and unresolved; and
 - (ii) details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.

COMMUNITY ENHANCEMENT

A15. Prior to commencing construction, or other timeframe agreed by the Planning Secretary, the Applicant must enter into a VPA with Council in accordance with:

- (a) Division 7.1 of Part 7 of the EP&A Act; and
- (b) the terms of the correspondence dated 27 November 2023, which are summarised in Appendix 6.

PART B ENVIRONMENTAL CONDITIONS – GENERAL

TRANSPORT

Heavy Vehicles Requiring Escort and Heavy Vehicle Restrictions

- B1. The Applicant must ensure that:
- (a) the development does not generate more than:
 - (i) 35 heavy vehicle movements a day during construction, upgrading or decommissioning;
 - (ii) 30 light vehicle movements, 5 shuttle bus vehicle movements and 5 heavy vehicle movements during the AM (6-7 am) or PM (5-6 pm) project peak hours during construction, upgrading or decommissioning; and
 - (iii) 6 movements of heavy vehicles requiring escort during construction, upgrading or decommissioning; and
 - (b) the length of any vehicles (excluding heavy vehicles requires escort) used for the development does not exceed 26 metres,
- unless the Planning Secretary agrees otherwise.
- B2. The Applicant must keep accurate records of the number of heavy vehicles requiring escort and heavy vehicles entering or leaving the site each day for the duration of the project.

Access Route

- B3. All heavy vehicles associated with the development must travel to and from the site via:
- (a) Castlereagh Highway and Goolma Road; or
 - (b) Mitchell Highway and Goolma Road,
- as shown in Appendix 4.
- B4. All heavy vehicles requiring escort associated with the development must travel to and from the site via the Mitchell Highway and Goolma Road, as described in the EIS.

Site Access

- B5. All vehicles associated with the development must enter and exit the site via the site access point off Goolma Road as identified in Appendix 1.
- B6. Prior to commencing construction, the Applicant must close and remove the existing site access servicing Lot 2 DP1136578.

Road Upgrades

- B7. Unless the Planning Secretary agrees otherwise, prior to commencing construction, the Applicant must complete the road upgrades detailed in Appendix 5.
- Unless the relevant road authority agrees otherwise, these upgrades must comply with the current Austroads Guidelines, Australian Standards and TfNSW supplements, and be carried out to the satisfaction of the relevant roads authority.
- B8. Unless the Planning Secretary agrees otherwise, prior to commencing construction, the Applicant must provide a Strategic Concept Design to TfNSW for approval, detailing the intersection design identified in Appendix 5. The Strategic Concept Design must satisfy the requirements set out in Appendix 6 and the applicable guidelines and standards identified in condition B7.

Operating Conditions

- B9. The Applicant must ensure:
- (a) the internal roads are constructed and maintained as all-weather roads;
 - (b) there is sufficient parking on site for all vehicles, and no parking occurs on the public road network in the vicinity of the site;
 - (c) the capacity of the existing roadside drainage network is not reduced;
 - (d) all vehicles are loaded and unloaded on site, and enter and leave the site in a forward direction; and
 - (e) development-related vehicles leaving the site are in a clean condition to minimise dirt being tracked onto the sealed public road network.

Traffic Management Plan

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- B10. Prior to commencing road upgrades identified in condition B7, the Applicant must prepare a Traffic Management Plan for the development in consultation with TfNSW, Council and Mid-Western Regional Council, and to the satisfaction of the Planning Secretary. This plan must include:
- (a) details of the transport route to be used for all development-related traffic;
 - (b) details of the road upgrade works required by condition B7;
 - (c) details of the measures that would be implemented to minimise traffic impacts during construction, upgrading or decommissioning works, including:
 - (i) temporary traffic controls, including detours and signage;
 - (ii) notifying the local community about development-related traffic impacts;
 - (iii) procedures for receiving and addressing complaints from the community about development-related traffic;
 - (iv) minimising potential cumulative traffic impacts with other projects in the area.
 - (v) minimising potential for conflict with school buses and other road users as far as practicable, including preventing queuing on the public road network;
 - (vi) minimising dirt tracked onto the public road network from development-related traffic;
 - (vii) details of the employee shuttle bus service, including pick-up and drop-off points and associated parking arrangements for construction workers, and measures to encourage employee use of this service as described in the EIS;
 - (viii) encouraging car-pooling or ride sharing by employees;
 - (ix) scheduling of heavy vehicle movements to minimise convoy length or platoons, and to minimise conflict with light vehicles;
 - (x) responding to local climate conditions that may affect road safety such as fog, dust, wet weather and flooding;
 - (xi) responding to any emergency repair or maintenance requirements; and
 - (xii) a traffic management system for managing heavy vehicles requiring escort;
 - (d) a driver's code of conduct that addresses:
 - (i) driver fatigue;
 - (ii) procedures to ensure that drivers adhere to the designated transport routes and speed limits; and
 - (iii) procedures to ensure that drivers implement safe driving practices; and
 - (e) a program to ensure drivers working on the development receive suitable training on the code of conduct and any other relevant obligations under the Traffic Management Plan.
- Following the Planning Secretary's approval, the Applicant must implement the Traffic Management Plan.

BIODIVERSITY

Vegetation Clearance

- B11. The Applicant must not clear any native vegetation or fauna habitat located outside the approved disturbance areas described in the EIS.

Biodiversity Offsets

- B12. Prior to carrying out any development that could directly or indirectly impact the biodiversity values requiring offset, the Applicant must retire biodiversity credits of a number and class specified in Table 1 below. The retirement of these credits must be carried out in accordance with the NSW Biodiversity Offsets Scheme and can be achieved by:
- (a) acquiring or retiring 'biodiversity credits' within the meaning of the Biodiversity Conservation Act 2016;
 - (b) making payments into an offset fund that has been developed by the NSW Government; or
 - (c) funding a biodiversity conservation action that benefits the entity impacted and is listed in the ancillary rules of the biodiversity offset scheme.

Table 1: Species Credit Requirements

Species Credit Species	Credits Required
Pink-tailed Legless Lizard (<i>Aprasia parapulchella</i>)	49
Superb parrot (<i>Polytelis swainsonii</i>)	46
Masked Owl (<i>Tyto novaehollandiae</i>)	33

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Key's Matchstick Grasshopper (<i>Keyacris scurra</i>)	7
Ausfeld's Wattle (<i>Acacia ausfeldii</i>)	9
Tumut Grevillea (<i>Grevillea wilkinsonii</i>)	13
<i>Prasophyllum</i> sp. Wybong <i>Petillum</i>	13
Silky Swainson pea (<i>Swainsona sericea</i>)	9
Small Purple pea (<i>Swainsona recta</i>)	9
<i>Euphrasia arguta</i>	10

- B13. Prior to carrying out any development that could directly or indirectly impact the biodiversity values requiring offset, the Applicant must provide evidence to the Planning Secretary that biodiversity credits have been retired.

Biodiversity Management Plan

- B14. Prior to commencing construction, the Applicant must prepare a Biodiversity Management Plan for the development in consultation with **BCSCPHR**, and to the satisfaction of the Planning Secretary. This plan must:
- (a) be prepared in accordance with the revised Biodiversity Development Assessment Report (dated **6 September 2024**);
 - (b) include a description of the measures and timeframes that would be implemented for:
 - (i) protecting vegetation and fauna habitat outside the approved disturbance areas;
 - (ii) managing the remnant vegetation and fauna habitat on site;
 - (iii) minimising clearing and avoiding unnecessary disturbance of vegetation that is associated with the construction and operation of the development;
 - (iv) avoiding the removal of hollow-bearing trees during spring to avoid the main breeding period for hollow-dependant fauna;
 - (v) minimising the impacts to fauna on site and implementing fauna management protocols, including design of temporary fencing;
 - (vi) rehabilitating and revegetating temporary disturbance areas with species that are native to the area; maximising the salvage of vegetative and soil resources within the approved disturbance area for beneficial reuse in the enhancement or the rehabilitation of the site; and
 - (vii) controlling weeds, feral pests and pathogens.
 - (c) include a program to monitor and report on the effectiveness of mitigation measures;
 - (d) include an incidental threatened species finds protocol to identify the avoid and/or minimise and/or offset options to be implemented if additional threatened species are discovered on site; and
 - (e) include details of who would be responsible for monitoring, reviewing and implementing the plan.

Following the **Planning** Secretary's approval, the Applicant must implement the Biodiversity Management Plan.

AMENITY

Construction Hours

- B15. Road upgrades, construction, commissioning, demolition, upgrading or decommissioning activities (excluding blasting) may only be undertaken between:
- (a) 7 am to 6 pm Monday to Friday;
 - (b) 8 am to 1 pm Saturdays; and
 - (c) at no time on Sundays and NSW public holidays;
- unless the Planning Secretary agrees otherwise.

Exceptions to Construction Hours

- B16. The following activities may be carried outside the hours specified in condition B15 above:
- (a) commissioning activities that are inaudible at non-associated residences
 - (b) the delivery or dispatch of materials as requested by the NSW Police Force or other public authorities for safety reasons; or

- (c) emergency work to avoid the loss of life, property or prevent material harm to the environment.

Variation of Construction Hours

- B17. The hours of construction activities specified in condition B15 of this approval may be varied with the prior written approval of the Planning Secretary. Any request to alter the hours of construction must be:
- (a) considered on a case-by-case or activity-specific basis;
 - (b) accompanied by details of the nature and justification for activities to be conducted during the varied construction hours;
 - (c) accompanied by written evidence that appropriate consultation with potentially affected sensitive receivers and notification of Councils (and other relevant agencies) has been or will be undertaken;
 - (d) accompanied by evidence that all feasible and reasonable noise mitigation measures have been put in place; and
 - (e) accompanied by a noise impact assessment consistent with the requirements of the *Interim Construction Noise Guideline* (DECC, 2009), or latest version.

Noise

- B18. The Applicant must:
- (a) minimise the noise generated by any construction, upgrading or decommissioning activities on site in accordance with best practice requirements outlined in the *Interim Construction Noise Guideline* (DECC, 2009) or its latest version; and
 - (b) take all reasonable and feasible steps to minimise operational noise and ensure that the noise generated by the operation of the development does not exceed the noise limits in Table 2 below to be determined in accordance with the procedures in the *NSW Noise Policy for Industry* (EPA, 2017) at any non-associated residences unless the Planning Secretary agrees otherwise.

Table 2: Noise Limit Requirements

Location	Noise Limits in dB(A)			
	Day	Evening	Night	Night
	L _{Aeq} (15min)	L _{Aeq} (15min)	L _{Aeq} (15min)	L _{AFmax}
Non-associated residences	40	35	35	52

- B19. Unless the Planning Secretary agrees otherwise, within 3 months of the commencement of operation, the Applicant must prepare and submit a Noise Monitoring Report for the development to the satisfaction of the Planning Secretary. The Noise Monitoring Report must:
- (a) be prepared by a suitably qualified, experienced and independent acoustic consultant;
 - (b) demonstrate that noise monitoring:
 - (i) has been carried out in accordance with the procedures in the *Noise Policy for Industry* (EPA, 2017); and
 - (ii) includes monitoring during the day, evening and night periods during operational, temperature and meteorological conditions that would represent typical worst-case scenarios where reasonable and feasible; and
 - (c) include:
 - (i) 1/3 octave data and calculated sound power levels along with a discussion of any excessive annoying characteristics and directionality;
 - (ii) an analysis of compliance with the noise limits specified in condition B18 at R1;
 - (iii) an outline of implemented at-source and transmission pathway mitigation measures and their effectiveness at reducing operational noise; and
 - (iv) a description of contingency measures in the event implemented mitigation measures are not effective at reducing noise levels to comply with limits specified in condition B18 at R1 at all times.

The Applicant must undertake further noise monitoring of the development if required by the Planning Secretary.

Dust

- B20. The Applicant must minimise the dust generated by the development.

Visual

B21. The Applicant must:

- (a) minimise the off-site visual impacts of the development, including the potential for any glare or reflection;
- (b) ensure the visual appearance of all ancillary infrastructure (including paint colours) blends in as far as possible with the surrounding landscape; and
- (c) not mount any advertising signs or logos on site, except where this is required for identification or safety purposes.

Lighting

B22. The Applicant must:

- (a) minimise the off-site lighting impacts of the development; and
- (b) ensure that any external lighting associated with the development:
 - (i) is installed as low intensity lighting (except where required for safety or emergency purposes);
 - (ii) does not shine above the horizontal; and
 - (iii) complies with *Australian/New Zealand Standard AS/NZS 4282:2019 – Control of Obtrusive Effects of Outdoor Lighting*, or its latest version.

HERITAGE

Protection of Heritage Items

B23. The Applicant must ensure the development does not cause any direct or indirect impacts on Aboriginal heritage items located outside the approved development footprint.

Chance Finds Protocol

B24. Prior to the commencement of road upgrade works, the Applicant must prepare a Chance Finds Protocol for the development in consultation with Aboriginal Stakeholders, and to the satisfaction of Heritage NSW. Following approval, the Applicant must implement the Chance Finds Protocol.

SOIL AND WATER

Water Supply

B25. The Applicant must ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of the development to match its available water supply.

Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Applicant is required to obtain the necessary water licences for the development.

Water Pollution

B26. The Applicant must ensure that the development does not cause any water pollution, as defined under Section 120 of the POEO Act.

Operating Conditions

B27. The Applicant must:

- (a) minimise any soil erosion and control sediment generation;
- (b) ensure the battery storage and ancillary infrastructure and any other land disturbance associated with the construction, upgrading or decommissioning of the development has appropriate drainage and erosion and sediment controls designed, installed and maintained in accordance with the relevant requirements in the *Managing Urban Stormwater: Soils and Construction* (Landcom, 2004) manual, or its latest version;
- (c) ensure the battery storage and ancillary infrastructure (including security fencing) are designed, constructed and maintained to reduce impacts on surface water, localised flooding and groundwater at the site; and
- (d) ensure the battery storage and ancillary infrastructure are designed, constructed and maintained to avoid causing any erosion on site.

HAZARDS

Fire Safety Study

- B28. Prior to commencing construction of the battery storage, the Applicant must prepare a Fire Safety Study for the development, to the satisfaction of FRNSW and the Planning Secretary in writing. The study must:
- (a) be consistent with the Department's *Hazardous Industry Planning Advisory Paper No. 2 'Fire Safety Study' guideline*;
 - (b) describe the final design of the battery storage;
 - (c) include reasonable worst-case bush fire scenario to and from the battery storage and the associated bush fire management; and
 - (d) identify measures to eliminate the expansion of any fire incident including:
 - (i) adequate fire safety systems and appropriate water supply;
 - (ii) separation and / or compartmentalisation of battery units; and
 - (iii) strategies and incident control measures specific to the battery storage design.

Following approval by the Planning Secretary, the Applicant must implement the measures described in the Fire Safety Study.

Note: 'to the satisfaction of FRNSW' above means confirmation in writing from FRNSW that the Study meets the requirements of FRNSW as required by the Department's Hazardous Industry Planning Advisory Paper No. 2 'Fire Safety Study' guideline.

Storage and Handling of Dangerous Goods

- B29. The Applicant must store and handle all chemicals, fuels and oils used on-site in accordance with:
- (a) the requirements of all relevant Australian Standards; and
 - (b) the NSW EPA's *Storing and Handling of Liquids: Environmental Protection – Participants Handbook* if the chemicals are liquids.

In the event of an inconsistency between the requirements (a) and (b) above, the most stringent requirement must prevail to the extent of the inconsistency.

Operating Conditions

- B30. The Applicant must:
- (a) minimise the fire risks of the development, including managing vegetation fuel loads on-site;
 - (b) ensure that the development:
 - (i) complies with the relevant asset protection requirements in the RFS's *Planning for Bushfire Protection 2019* (or equivalent) and *Standards for Asset Protection Zones*; and
 - (ii) is suitably equipped to respond to any fires on site, including provision of a 20,000 litre water supply tank fitted with a 65 mm Storz fitting and a FRNSW compatible suction connection;
 - (c) ensure that the battery storage area:
 - (i) includes a 10 metre defendable space around the perimeter that permits unobstructed vehicle access; and
 - (ii) is managed as an asset protection zone (including the defendable space);
 - (d) assist the RFS and emergency services as much as practicable if there is a fire in the vicinity of the site; and
 - (e) notify the relevant Local Emergency Management Committee following construction of the development, and prior to commencing operations.

Emergency Plan

- B31. Prior to commencing commissioning, the Applicant must develop and implement a comprehensive Emergency Plan and detailed emergency procedures for the development, and provide a copy of the plan to the NSW RFS Orana Fire Control Centre and FRNSW. The plan must:
- (a) be prepared in accordance with the findings of the Fire Safety Study required under condition B28 of Schedule 2;
 - (b) be consistent with the Department's *Hazardous Industry Planning Advisory Paper No. 1, 'Emergency Planning'* and RFS's *Planning for Bushfire Protection 2019* (or equivalent);
 - (c) include details on how the battery storage and sub-systems can be safely isolated in an emergency;
 - (d) include bushfire emergency management planning, including:
 - (i) details of the location, management and maintenance of the Asset Protection Zone;

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- (ii) a list of works that should not be carried out during a total fire ban;
- (iii) details of how RFS would be notified, and procedures that would be implemented, in the event that:
 - there is a fire on-site or in the vicinity of the site;
 - there are any activities on site that would have the potential to ignite surrounding vegetation; or
 - there are any proposed activities to be carried out during a bushfire danger period; and
- (e) include an Emergency Services Information Package in accordance with *Emergency services information and tactical fire plan* (FRNSW, 2019), to the satisfaction of FRNSW and RFS.

B32. The Applicant must:

- (a) implement the Emergency Plan and the Emergency Services Information Package for the duration of the development; and
- (b) following commencement of **commissioning** of the battery storage, keep a copy of the Emergency Services Information Package on-site in a prominent position adjacent to the site entry points at all times.

WASTE

B33. The Applicant must:

- (a) minimise the waste generated by the development;
- (b) classify all waste generated on site in accordance with the EPA's *Waste Classification Guidelines 2014* (or its latest version);
- (c) store and handle all waste on site in accordance with its classification;
- (d) not receive or dispose of any waste on site; and
- (e) remove all waste from the site as soon as practicable, and ensure it is reused, recycled or sent to an appropriately licensed waste facility for disposal.

ACCOMMODATION AND EMPLOYMENT STRATEGY

B34. Prior to commencing construction, the Applicant must prepare an Accommodation and Employment Strategy for the development in consultation with Council and Mid-Western Regional Council. This strategy must:

- (a) propose measures to ensure there is sufficient accommodation for the workforce associated with the development;
- (b) consider the cumulative impacts associated with other State significant development projects in the area;
- (c) investigate options for prioritising the employment of local workers for the construction and operation of the development, where feasible; and
- (d) include a program to monitor and review the effectiveness of the strategy over the life of the development, including regular monitoring and review during construction.

The Applicant must provide a copy of the Accommodation and Employment Strategy to the Planning Secretary prior to commencement of construction, and implement the plan throughout construction.

DECOMMISSIONING AND REHABILITATION

B35. Within 18 months of the cessation of operations, unless the Planning Secretary agrees otherwise, the Applicant must rehabilitate the site to comply with the objectives in Table 3 below.

Table 3: Rehabilitation Objectives

Feature	Objective
Site	• Safe, stable and non-polluting.
Battery Storage and ancillary infrastructure	• To be decommissioned and removed, unless the Planning Secretary agrees otherwise, with the exception of assets held by the Network Service Provider.
Land use	• Restore land to pre-existing use.
Community	• Ensure public safety at all times.

PART C ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

ENVIRONMENTAL MANAGEMENT

Environmental Management Strategy

- C1. Prior to commencing construction, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Planning Secretary. This strategy must:
- (a) provide the strategic framework for environmental management of the development;
 - (b) identify the statutory approvals that apply to the development;
 - (c) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;
 - (d) set out the procedures that would be implemented to:
 - (i) keep the local community and relevant agencies informed about the operation and environmental performance of the development;
 - (ii) receive, handle, respond to, and record complaints;
 - (iii) resolve any disputes that may arise;
 - (iv) respond to any non-compliance;
 - (v) respond to emergencies; and
 - (e) include:
 - (i) references to any strategies, plans and programs approved under the conditions of this consent; and
 - (ii) a clear plan depicting all the monitoring to be carried out in relation to the development, including a table summarising all the monitoring and reporting obligations under the conditions of this consent.

Following the Planning Secretary's approval, the Applicant must implement the Environmental Management Strategy.

Revision of Strategies, Plans and Programs

- C2. The Applicant must:
- (a) update the strategies, plans or programs required under this consent to the satisfaction of the Planning Secretary prior to carrying out any upgrading or decommissioning activities on site; and
 - (b) review and, if necessary, revise the strategies, plans or programs required under this consent to the satisfaction of the Planning Secretary within 1 month of the:
 - (i) submission of an incident report under condition C10 of Schedule 2;
 - (ii) submission of an audit report under condition C14 of Schedule 2; or
 - (iii) any modification to the conditions of this consent.

Staging, Combining and Updating Strategies, Plans or Programs

- C3. With the approval of the Planning Secretary, the development may be staged and the Applicant may:
- (a) prepare and submit any strategy, plan or program required by this consent on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program);
 - (b) combine any strategy, plan or program required by this consent (if a clear relationship is demonstrated between the strategies, plans or programs that are proposed to be combined); and
 - (c) update any strategy, plan or program required by this consent (to ensure the strategies, plans and programs required under this consent are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development).
- C4. If the Planning Secretary agrees, a strategy, plan or program may be staged or updated without consultation being undertaken with all parties required to be consulted in the relevant condition in this consent.
- C5. If approved by the Planning Secretary, updated strategies, plans or programs supersede the previous versions of them and must be implemented in accordance with the condition that requires the strategy, plan or program.
- C6. If the Planning Secretary agrees, a strategy, plan or program may be staged without addressing particular requirements of the relevant condition of this consent if those requirements are not applicable to the particular stage.

NOTIFICATIONS

Notification of Department

- C7. Prior to commencing the construction, operations, upgrading or decommissioning of the development or the cessation of operations, the Applicant must notify the Department in writing via the Major Projects website portal of the date of commencement, or cessation, of the relevant phase.

If any of these phases of the development are to be staged, then the Applicant must notify the Department in writing prior to commencing the relevant stage, and clearly identify the development that would be carried out during the relevant stage.

Final Layout Plans

- C8. Prior to commencing construction, the Applicant must submit detailed plans of the final layout of the development to the Department via the Major Projects website, showing comparison to the approved layout and including details on the siting of battery storage and ancillary infrastructure.

The Applicant must ensure that the development is constructed in accordance with the Final Layout Plans.

Work as Executed Plans

- C9. Prior to commencing operations or following the upgrades of any battery storage components or ancillary infrastructure, the Applicant must submit work as executed plans of the development showing comparison to the final layout plans to the Department via the Major Projects website and to Council.

Incident Notification

- C10. **The Applicant must notify the Department within 24 hours of becoming aware of an incident. The notification must be made via the NSW planning portal (Major Projects) and address details of the incident including:**

- (a) **date, time and location;**
- (b) **a brief description of what occurred and why it has been classified as an incident;**
- (c) **a description of what immediate steps were taken in relation to the incident; and**
- (d) **identifying a contact person for further communication regarding the incident.**

- C10A The Applicant must provide the Department with a subsequent incident report in accordance with Appendix 8 (Incident Notification and Reporting Requirements).**

Non-Compliance Notification

- C11. **Within seven days of becoming aware of a non-compliance, the Applicant must notify the Department of the non-compliance. The notification must be in writing and must be submitted via the NSW planning portal (Major Projects). The notification must identify the development (including the development application number and name), set out the condition of this consent that the development is non-compliant with, why it does not comply, the reasons for the non-compliance (if known), and what actions have been undertaken, or will be undertaken, and when, to address the non-compliance.**

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

- C12. ***Deleted***

- C13. ***Deleted***

INDEPENDENT ENVIRONMENTAL AUDIT

- C14. **Independent Environmental Audits of the development must be conducted and carried out in accordance with the Independent Audit Post Approval Requirements (2020) or as updated from time to time and published on the Department's website.**

- C15. ***Deleted***

- C16. ***Deleted***

- C17. ***Deleted***

- C18. ***Deleted***

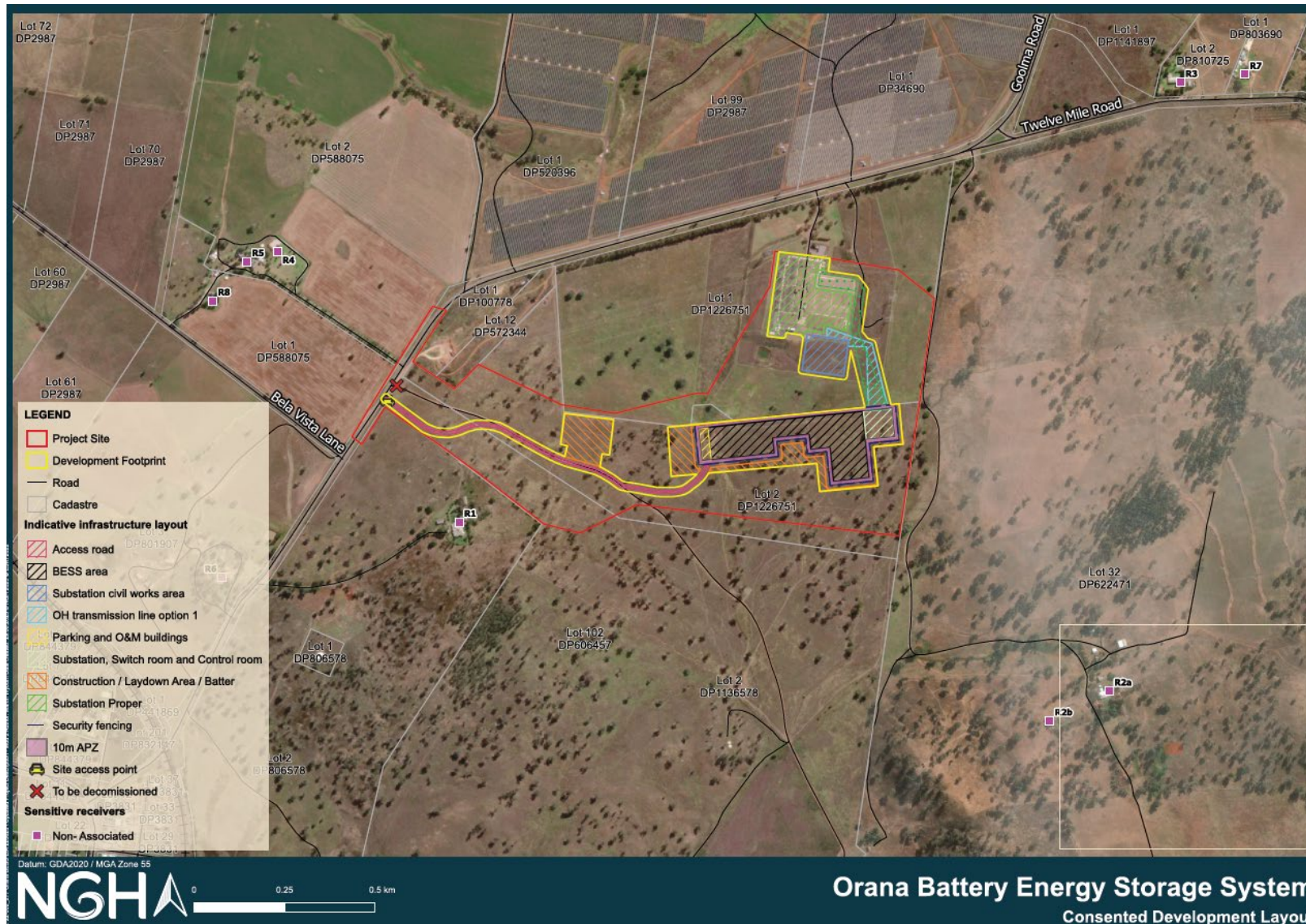
- C19. Notwithstanding the requirements of the *Independent Audit Post Approvals Requirements (2020)*, the Planning Secretary may approve a request for ongoing independent operational audits to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that independent operational audits have demonstrated operational compliance.

ACCESS TO INFORMATION

C20. The Applicant must:

- (a) make the following information publicly available on its website as relevant to the stage of the development:
 - (i) the EIS;
 - (ii) the final layout plans for the development;
 - (iii) current statutory approvals for the development;
 - (iv) approved strategies, plans or programs required under the conditions of this consent (other than the Fire Safety Study and Emergency Plan);
 - (v) the proposed staging plans for the development if the construction, operation and/or decommissioning of the development is to be staged;
 - (vi) a comprehensive summary of the monitoring results of the development, which have been reported in accordance with the various plans and programs approved under the conditions of this consent;
 - (vii) how complaints about the development can be made;
 - (viii) any independent environmental audit, and the Applicant's response to the recommendations in any audit; and
 - (ix) any other matter required by the Planning Secretary; and
- (b) keep this information up to date.

APPENDIX 1:
GENERAL DEVELOPMENT LAYOUT



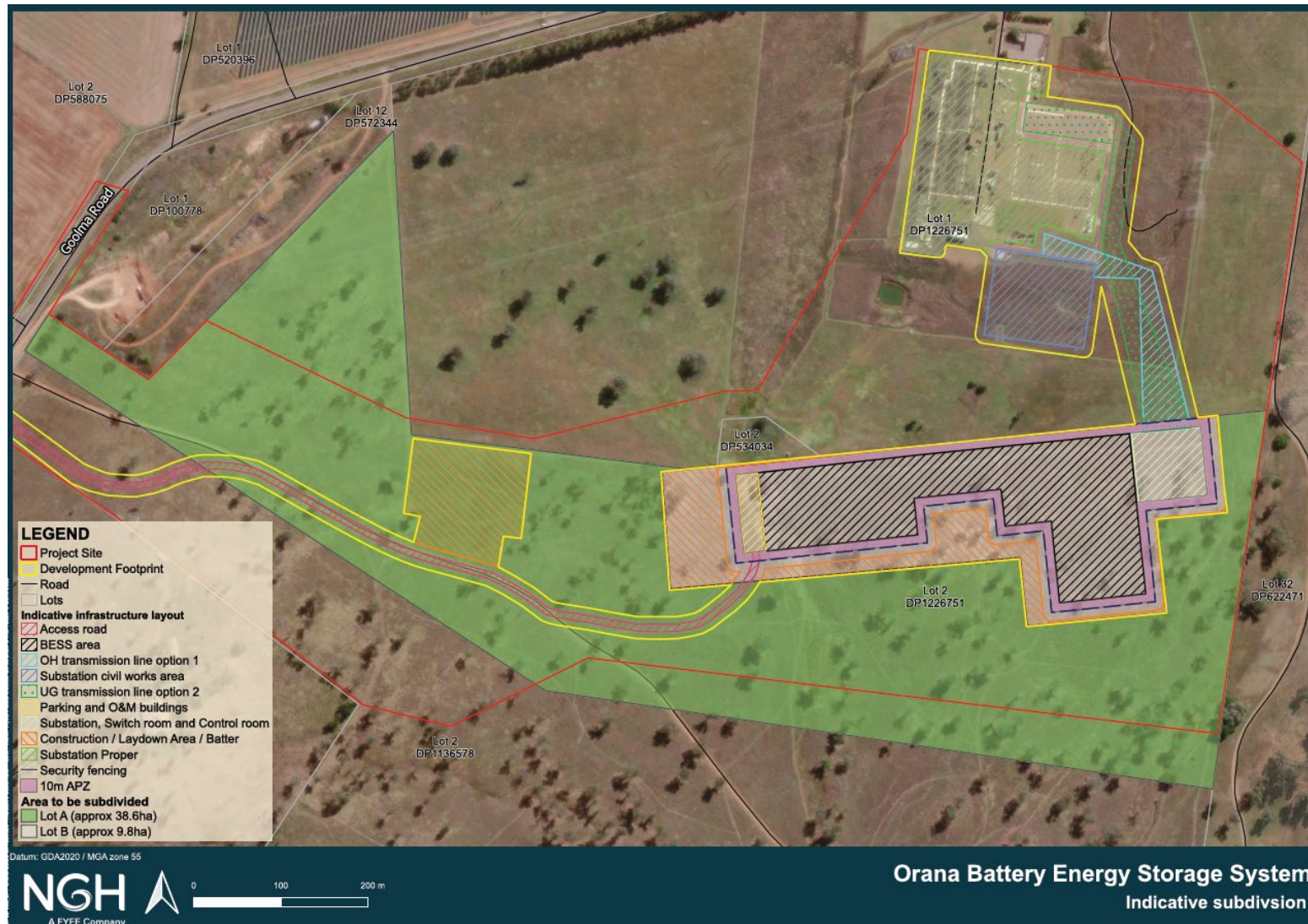
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APPENDIX 2: SCHEDULE OF LANDS

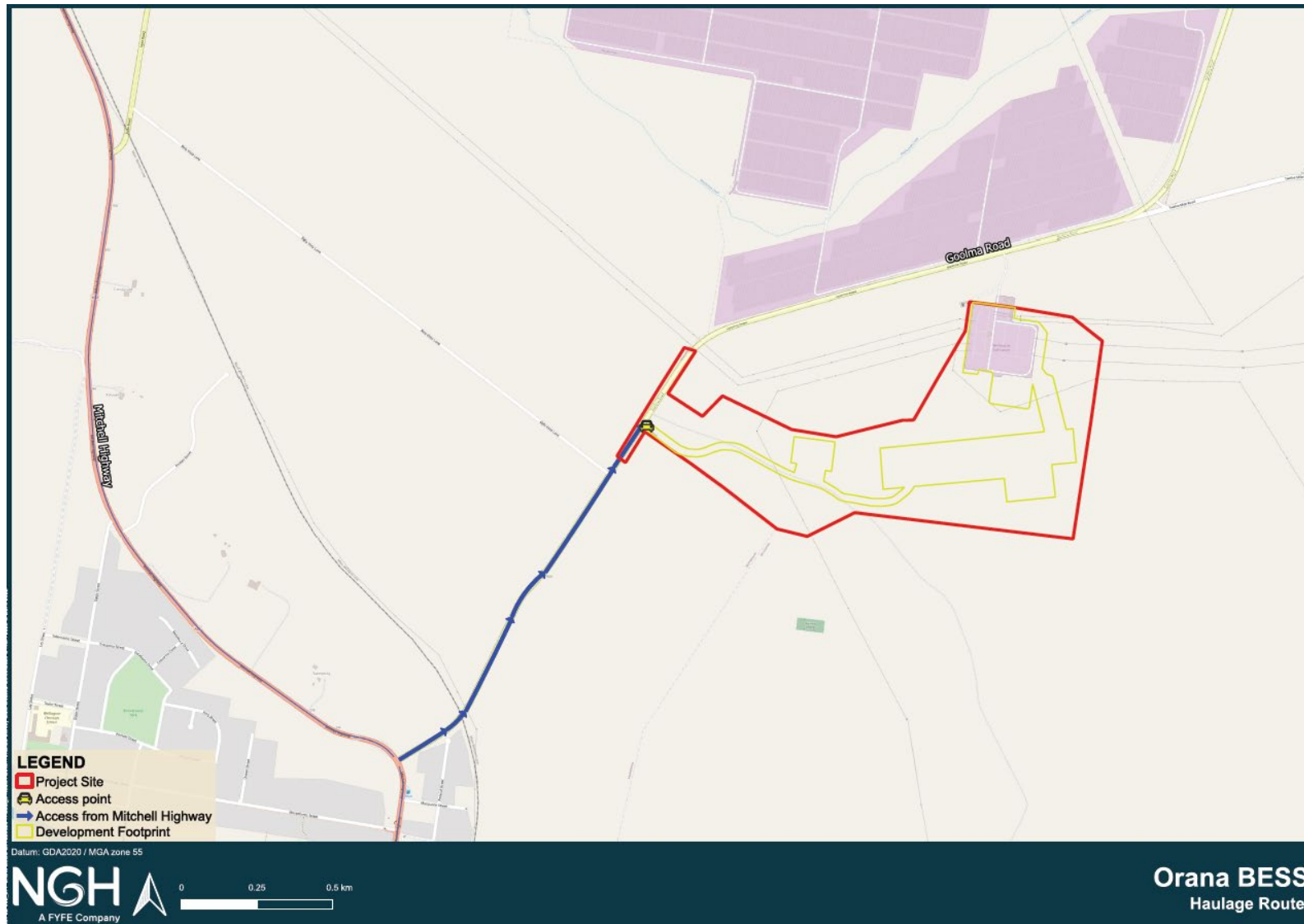
<i>Lot Number</i>	<i>Deposit Plan (DP)</i>
1	1226751
2	1226751
2	1136578
Road corridor (Goolma Road)	

Note: The site will also be taken to include any Crown land contained within the site

APPENDIX 3:
INDICATIVE SUBDIVISION PLAN



APPENDIX 4:
HAULAGE ROUTE



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APPENDIX 5: ROAD UPGRADES AND SITE ACCESS

<i>Location</i>	<i>Upgrade Requirements</i>	<i>Timing</i>
Intersection of site access and Goolma Road	To be provided with a Short Channelised Right-turn (CHR(s)) and Basic Left Turn (BAL) treatments	Prior to commencing construction



The following design details have been taken from Austroads Guide to Road Design Part 4A:

Short Channelised Right-turn Treatment [CHR(s)] Section 7.2.3.

1. Design speed of 100km/h.
2. Lane widths of 3.5m have been used.
3. Turn lane width is 3.2m.
4. Minimum lateral movement (A) is 85m.
5. Desirable radius of 425m has been used
6. Taper length used is 29m.
7. Storage length is 26m for one B-Double Vehicle.

Rural Left-turn Treatment (BAL) Section 8.2.1.

1. Design speed of 100km/h.
2. Lane widths of 3.7m have been used.
3. Formation/carriageway widening is 2.5m.
4. Taper length calculates to 38m.
5. Minimum length of parallel widened shoulder used from Table 8.1 is 35m.



Orana Battery Energy Storage System

6945 Goolma Road, Wuuluman

Access Concept Design including CHR Treatment

DRAWN: TD
DATE: 14/12/2023
DWG NO: 370-502A
SCALE at A3: 1:1500

APPENDIX 6: STRATEGIC CONCEPT DESIGN REQUIREMENTS

The Strategic Concept Design for the intersection design identified in Appendix 5 must:

- (a) include the removal of the Heavy Vehicle Rest Area on the western frontage to Goolma Road, as per the figure below;
- (b) identify the closure of the existing access servicing Lot 2 DP 1136578;
- (c) provide evidence of consultation with receivers R4 and R5 regarding the changes to the intersection treatments;
- (d) ensure a 2.5 metre width shoulder adjacent to the north bound lane CHR(s) is provided as per *Austroads Guide to Road Design Part 3*;
- (e) adjust the line marking for the BAL for the left turn intersection treatment; and
- (f) address any safety risk to stationary residential traffic at the private access road servicing receivers R4 and R5, noting the current design features a merge taper ending just beyond the private access road in the merge run out area.



APPENDIX 7: GENERAL TERMS OF THE APPLICANT'S VPA OFFER

The VPA must include provisions for the payment, collection, management and distribution of the contributions under the agreement, with a focus on funding community enhancement in the area surrounding the project site.

<i>Council</i>	<i>Payment details</i>
Dubbo Regional Council	Contributions to the value of \$3,200,000 up front at the commencement of commercial operations.

APPENDIX 8: INCIDENT NOTIFICATION AND REPORTING REQUIREMENTS

INCIDENT NOTIFICATION REQUIREMENTS

- 1. All incident notifications and reports must be submitted via the NSW planning portal (Major Projects).**
- 2. The Applicant must provide notification as required under these requirements, even if the Applicant fails to give the notification required under Condition C10 or, having given such notification, subsequently forms the view that an incident has not occurred.**
- 3. Within 7 days (or as otherwise agreed by the Planning Secretary) of the Applicant making the immediate incident notification (in accordance with Condition C10), the Applicant is required to submit a subsequent incident report that:**
 - (a) identifies how the incident was detected;**
 - (b) identifies when the Applicant became aware of the incident;**
 - (c) identifies any actual or potential non-compliance with conditions of consent;**
 - (d) identifies further action(s) that will be taken in relation to the incident; and**
- 4. The Applicant must submit any further reports as directed by the Planning Secretary.**