

Our Ref.: DA6197 MSLink/s: 9629, 9790 Council Ref.: D/25-2025

25 March 2025

Rockhampton Regional Council PO Box 1860 ROCKHAMPTON QLD 4700

Attention: Kathy McDonald Via Email: info@msc.qld.gov.au

Capricorn BESS Pty Ltd as Trustee for Capricorn BESS

Trust C/- ERM GPO BOX 2982

BRISBANE QLD 4001

Attention: Bella Nakos/Mifanwy Press
Via Email: <u>mifanwy.press@erm.com</u>

Dear Kathy and Bella,

Referral Confirmation Notice

(Given under section 7.1 of the Development Assessment Rules)

Transmission Infrastructure Impacted				
Transmission Corridor	Bouldercombe Substation, Stanwell Tee Bouldercombe & Bouldercombe Tee Broadsound 275kV & Bouldercombe QR Rocklands 132kV Transmission Line Corridors			
Easement ID	(Lot 2) Easement B,C,D&E on RP611868 – Dealing No. 717978800 and Easement F RP613914 - Dealing No. 601351336 (Lot 1) No Whole of Lot Easement			
Location Details				
Street address	Lot 742 Cherryfield Road, Gracemere and 52949 Burnett Highway, Bouldercombe			
Real property description	Lot 2 on RP613051 & Lot 1 on RP6108877			
Local government area	Rockhampton Regional Council			
	Application Details			
Proposed development:	Material Change of Use for an Undefined use (Battery Energy Storage System) and Reconfiguring a Lot for a Lease (exceeding 10 years)			
Approval sought	Development Permit			

We refer to the above referenced development application which has been referred to Powerlink Queensland in accordance with Section 54 of the Planning Act 2016.

In accordance with its jurisdiction under Schedule 10 Part 9 Division 2 of the *Planning Regulation 2017,* Powerlink Queensland is a **Referral Agency (Advice)** for the above development application.

Specifically, the application has been triggered for assessment by Powerlink Queensland because:

- 1. For **reconfiguring a lot** all or part of the lot is subject to a transmission entity easement which is part of the transmission supply network (Table 1 1(a)
- 2. For reconfiguring a lot part of the lot is within 100m of a transmission substation site (Table 1 1b)
- 3. For **material change of use** all of part of the premises are within 100m of a transmission substation site (Table 2 1a)
- 4. For **material change of use** all or part of the premises are subject to a transmission entity easement which is part of the transmission supply network (Table 2 1b)

Powerlink Queensland wishes to advise that the above referenced development application has been determined to be properly referred on 18 March 2025.

For further information please contact the Property Management Team on (07) 3898 4090 or via email property@powerlink.com.au who will be pleased to assist.

Yours sincerely

For: Laura Donaldson

PROPERTY MANAGEMENT TEAM LEADER



27 March 2025

Rockhampton Office

232 Bolsover St, Rockhampton

Gracemere Office

1 Ranger St, Gracemere

Mount Morgan Office

32 Hall St, Mount Morgan

D/25-2025 Our reference: Kathy McDonald Enquiries to: Telephone: 07 4936 8099

Capricorn Bess Pty Ltd As Trustee for Capricorn Bess Trust C/- Environmental Resources Management Australia Pty Ltd GPO BOX 2982 **BRISBANE QLD 4001**

Dear Sir/Madam

INFORMATION REQUEST - DEVELOPMENT APPLICATION D/25-2025 FOR MATERIAL CHANGE OF USE FOR AN UNDEFINED USE (BATTERY ENERGY STORAGE SYSTEM) AND RECONFIGURING A LOT FOR A LEASE (EXCEEDING 10 YEARS) - SITUATED AT LOT 742 CHERRYFIELD ROAD, GRACEMERE AND 52949 BURNETT HIGHWAY, BOULDERCOMBE -DESCRIBED AS LOT 2 ON RP613051 AND LOT 1 ON RP610887

Council refers to your application received by Council on 28 February 2025.

Council officers have undertaken a detailed assessment of the development application and require you to provide further information to address the following issues:

Stormwater / Flooding:

- Please clarify the proposed discharge location for the bio retention basin. The MUSIC model layout appears to indicate the outflows being directed to the existing flowpath through the southern portion of the site however point L18 indicates a 30mm increase in the 1% AEP event whereas points L11 and L12 appear to increase by 10mm, indicating the majority of flows are being discharged to the north.
- Section 4.3.3 of the SSMP indicates a flow rate of 10 m3/sec for the pre-development scenario. Please provide further information regarding the location where these flows were calculated.
- Please provide further information regarding the proposed channel along the Burnett Highway frontage of the site. Details regarding modelled dimensions, what flows the channel caters for, and how it outlets should be provided.
 - Additionally, please provide details of how the proposed channel will interact with the proposed Landscaping mound adjacent the Burnett Highway.
- Please confirm the quantum of fill material proposed for the project area. The report states that the design surface levels will provide 500mm freeboard to 1% AEP flood levels, which is likely to affect storage capacity over the site. Please confirm that this fill material has been considered in the modelling outputs provided.

Advisory Comment:

The submitted MUSIC modelling assumes that the internal roads are sealed. Please be advised that Council is likely to condition this requirement.





Noise Assessment

5.0 Please provide an updated noise report with the noise modelling for the equipment that will be installed onsite. The noise modelling should include the fan duty cycling that would be expected for the average maximum temperature at subject site of the project.

Bushfire Hazard Overlay

6.0 It is noted that the external bushfire risks were included within the Hazard Incident Management Plan. However, the lease area is partly affected by the Bushfire Hazard Overlay (Buffer) and an assessment against the Bushfire Hazard Overlay Code will be required along with a Bushfire Management Plan in accordance with SC6.5 — Bushfire management planning scheme policy that has been prepared by a suitably qualified professional person with appropriate technical expertise in the identification and mitigation of bushfire hazard.

Agricultural Land Classification

7.0 It is noted that an assessment against the Strategic Framework, specifically 3.8 Natural Resources and Econmoic Development theme has been provided. However, the lease area is partly affected by the Agricultural Land Classification: Class A and B and an Agricultural Land Assessment report will be required to specifically address this and demonstrate how the development would not alienate, fragment or otherwise limit its potential for productive rural uses.

Site Specific

- 8.0 Please provide an additional Site Plan (close up) of the lease area. Please include all specifications etc. lease area m² and setbacks (in metres) from all structures to the boundary/lease area, fire breaks/defendable space and landscape widths etc.
- 9.0 Please provide a floor plan and elevation plans for the administrative and operations & maintenance buildings and facilities, and elevations only for the BESS Containers and MVP's.

Visual Amenity

10.0 The BESS facility with a proposed land area size of 16.65 hectares will be visually prominent along the Burnett Highway and is likely to impact on the visual amenity of the surrounding rural area. Please provide a visual impact assessment that demonstrates how the facilities mitigation measures are designed to ensure the facility is visually unobtrusive and blends with the character of the locality.

Landscaping

11.0 Formal (permanent) staff carparking must be provided with shade trees as per the Landscape Code (AO11.1), Council is likely to condition this requirement.

Advisory Comment:

Council acknowledges the proposed 3 metre wide landscaping buffer and 500 millimetre mound meets the minimum landscape requirement. However, given the size of the facility and likely visual impact, Council officers suggest an increase in width area and density to the landscape buffer.

Infrastructure Charges

12.0 Please confirm the total gross floor area (m²) and impervious area (m²) to assist Council with the calculation of infrastructure charges.

Under section 13 of the Development Assessment Rules, the Applicant has three (3) options available in response to this information request. The Applicant must give the Assessment Manager:

- 1. all of the information requested; or
- 2. part of the information requested, together with a notice requiring the Assessment Manager and each referral agency to proceed with the assessment of the application; or
- a notice:
 - i. stating the Applicant does not intend to supply any of the information requested; and
 - ii. requiring the Assessment Manager and each referral agency to proceed with the assessment of the application.

Response to this further information request should be forwarded to:

General.Enquiries@rrc.qld.gov.au or; Development Assessment Section Rockhampton Regional Council PO Box 1860 ROCKHAMPTON QLD 4700

A response needs to be received within a period of three (3) months from the date of this letter, In accordance with section 68 (1) of the *Planning Act 2016* and sections 12 and 13 of the Development Assessment Rules. Please forward your response to this information request to Council at your earliest convenience, in order for the assessment of your application to progress further.

Should you have any queries regarding the above information request, please contact the undersigned on 07 4936 8099.

Yours faithfully

Kathy McDonald

Principal Planning Officer

Planning and Regulatory Services

Information Request Response Form (to be returned to the Assessment Manager with the response)

l		choose to respond to the Assessment Manager's
Informa	ation F	Request:
		in full;
		OR
		in part, with this notice requiring the Assessment Manager and each referral agency to proceed with the assessment of the application;
		OR
		stating that I do not intend to supply any of the information requested; and requiring the Assessment Manager and each referral agency to proceed with the assessment of the application.
		response to the Assessment Manager's information request has been provided
to all R	eferra	I Agencies nominated on the Confirmation Notice.
I under	stand	the requirements of this Information Request as listed above.
Signed	l:	Date :
Docitio	n·	



Our Ref.: DA6197 MSLink/s: 9629, 9790 Council Ref.: D/25-2025

1 April 2025

Rockhampton Regional Council

PO Box 1860

ROCKHAMPTON QLD 4700

Attention: Kathy McDonald

info@msc.qld.gov.au Via Email:

Capricorn BESS Pty Ltd as Trustee for Capricorn BESS Trust

C/- ERM

GPO BOX 2982

BRISBANE QLD 4001

Attention: Bella Nakos/Mifanwy Press Via Email: mifanwy.press@erm.com

Dear Kathy and Bella,

Referral Information Request

(Given under section 12.1 of the Development Assessment Rules)

Tran	smission Infrastructure Impacted		
Transmission Corridor	Bouldercombe Substation, Stanwell Tee Bouldercombe & Bouldercombe Tee Broadsound 275kV & Bouldercombe QR Rocklands 132kV Transmission Line Corridors		
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Approval sought	Development Permit		

Powerlink Queensland has reviewed the above detailed development application has identified that further information is required to fully assess potential impacts on electricity transmission infrastructure.

1. CONNECTION TO SUBSTATION

Issue:

The indicative cable route and substation connection point does not align with Powerlink Queensland expectations.

Information Required:

Please update impacted plans with the provided proposed cable route substation connection point and include indicative easement encompassing the transition yard.

- Preliminary General BESS Layout
- Site context plan
- Project Area Context Map

The due date for providing the requested information is **1 July 2025**. In accordance with section 13.2 of the Development Assessment Rules Please advise Powerlink Queensland of your response to this information request and confirm if you are:

- 1. Providing all the information requested; or
- 2. Providing part of the information requested; or
- 3. Providing none of the information requested.

As our assessment of your application will be based on the information provided, it is recommended that you provide all the information requested.

In accordance with section 14.2 of the Development Assessment Rules, if you do not provide a response before the above due date (or a further agreed period), it will be taken as if you have decided not to respond to the information request Powerlink Queensland will continue with the assessment of your application without the information requested.

For further information please contact the Property Management Team on (07) 3898 4090 or via email property@powerlink.com.au who will be pleased to assist.

Yours sincerely

For: Laura Donaldson

PROPERTY MANAGEMENT TEAM LEADER



Our Ref.: DA6197 MSLink/s: 9629, 9790 Council Ref.: D/25-2025

4 June 2025

Rockhampton Regional Council PO Box 1860 ROCKHAMPTON QLD 4700

Attention: Kathy McDonald Via Email: info@msc.qld.gov.au

Capricorn BESS Pty Ltd as Trustee for Capricorn BESS

Trust C/- ERM GPO BOX 2982

BRISBANE QLD 4001

Attention: Bella Nakos/Mifanwy Press
Via Email: mifanwy.press@erm.com

Dear Kathy & Bella/Mifanwy,

Referral Agency Response (Advice)

(Given under Section 9.2 of the Development Assessment Rules)

Tra	Transmission Infrastructure Impacted			
Transmission Corridor	Bouldercombe Substation, Stanwell Tee Bouldercombe & Bouldercombe Tee Broadsound 275kV & Bouldercombe QR Rocklands 132kV Transmission Line Corridors			
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We refer to the above referenced development application which has been referred to Powerlink Queensland in accordance with Section 54 of the *Planning Act 2016*.

In accordance with its jurisdiction under Schedule 10 Part 9 Division 1&2 of the *Planning Regulation 2017*, Powerlink Queensland is a **Referral Agency (Advice)** for the above development application.

Specifically, the application has been triggered for assessment by Powerlink Queensland because:

- 1. For **reconfiguring a lot** all or part of the lot is subject to a transmission entity easement which is part of the transmission supply network (Division 2, Table 1 1a)
- 2. For **reconfiguring a lot** part of the lot is within 100m of a transmission substation site (Division 2, Table 1 1b)
- 3. For **material change of use** all of part of the premises are within 100m of a transmission substation site (Division 2, Table 2 1a)
- 4. For **material change of use** all or part of the premises are subject to a transmission entity easement which is part of the transmission supply network (Division 2, Table 2 1b)

PLANS AND REPORTS ASSESSED

The following plans and reports have been reviewed by Powerlink Queensland and form the basis of our assessment. Any variation to these plans and reports may require amendment of our advice.

Table 1: Plans and Reports upon which the assessment is based

Drawing / Report Title	Prepared by	Dated	Reference No.	Version / Issue
Site Layout	-	27.02.2025	12632774-GHD-GA-DRG-EL-00001	P07
2.1 Regional Context Map	ERM	21/02/2025	-	-
2.2 Project Area Context Map	ERM	09/05/2025	-	-

Powerlink Queensland, acting as a Referral Agency (Advice) under the *Planning Regulation 2017* provides its response to the application as attached (Attachment 1).

Please treat this response as a properly made submission for the purposes of Powerlink being an eligible advice agency in accordance with the *Planning Act 2016*.

For further information please contact the Property Management Team on (07) 3898 4090 or via email property@powerlink.com.au who will be pleased to assist.

Yours sincerely,

for:

Laura Donaldson

Property Management Team Leader

ATTACHMENT 1 - REFERRAL AGENCY (ADVICE) RESPONSE

Powerlink Queensland **supports** this application subject to the inclusion of the following conditions in the Assessment Manager's Decision Notice.

No.	Condition	Timing	Reason
1	The development must be carried out generally in accordance with the reviewed plans detailed in Table 1.	At all times.	To ensure that the development is carried out generally in accordance with the plans of development submitted with the application.
2	The statutory clearances set out in the Electrical Safety Regulation 2013 must be maintained during construction and operation. No encroachment within the statutory clearances is permitted.	At all times.	To ensure that the purpose of the Electrical Safety Act 2002 is achieved, and electrical safety requirements are met.
3	Compliance with the terms and conditions of the easement dealing no. shown in the heading of this letter.	At all times.	To ensure that the existing rights contained in the registered easement dealings are maintained.
4	Compliance with the generic requirements in respect to proposed works in the vicinity of Powerlink Queensland infrastructure as detailed in the enclosed Annexure "A" and "B".	At all times.	To ensure that the purpose of the Electrical Safety Act 2002 is achieved and electrical safety requirements are met. To ensure the integrity of the easement is maintained.

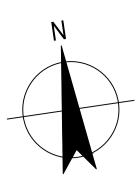
Advice to Council and the Applicant

- 1. Powerlink and Capricorn BESS Pty Ltd are currently negotiating network connection of the BESS to the transmission grid. This correspondence does not constitute approval for connection which remains the subject of ongoing technical assessment and commercial negotiations.
- 2. This response does not constitute an approval to commence any works within the easement. Prior written approval is required from Powerlink Queensland before any work is undertaken within the easement areas. All works on easement (including but not limited to earthworks, drainage and detention basins; road construction; underground and overhead service installation) require detailed submissions, assessments and consent (or otherwise) by Powerlink. If referral of a formal Development Application Operational Works is not applicable, please complete a Co-Use Form, available at https://www.powerlink.com.au/co-use-form, to lodge your submission.
- 3. In order for Powerlink to maintain and operate a safe and reliable supply of electricity, we require unrestricted 24-hour access to our corridors and infrastructure.
 - We will require practical access (typically by 4WD vehicle but to standard no less than existing) to the Powerlink structures.
 - If it is envisaged that there will be any interference or alteration to our current access arrangements prior, during or after the completion of your works, we require that the applicant contacts our Easement

- Maintenance Service Provider (Ergon Energy Peter Gorrie Ph: 0417 199 931) to formalise unrestricted 24-hour access arrangements.
- 4. Compliance with the *Electrical Safety Act 2002* including any Code of Practice under the Act and the *Electrical Safety Regulation 2013* including any safety exclusion zones defined in the Regulation.
 - In respect of this application, the exclusion zone for untrained persons and for operating plant operated by untrained persons is **three (3) metres** from the **132,000-volt** wires and exposed electrical parts and **six (6) metres** from the **275,000-volt** wires and exposed electrical parts.

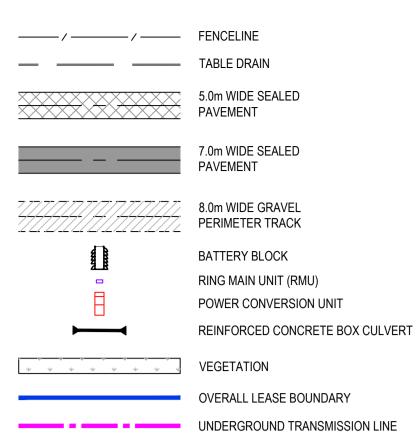
If works have the potential to come within the prescribed clearance to the conductors and electrical infrastructure, then the applicant must seek advice from Powerlink by completing the attached Application for Safety Advice – Form and submitting to property@powerlink.com.au

ATTACHMENT 2 – ASSESSED PLANS

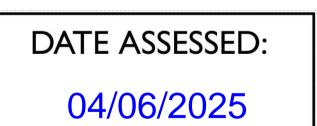








BESS SPECIFICATIONS	
DESCRIPTION	QTY
RATED POWER (MW)	300
RATED ENERGY (MWh)	1200
BESS DURATION	4h
BESS CONTAINER MODULE	TBD
NUMBER OF BESS CONTAINERS	294
BESS CONTAINER CAPACITY (MWh)	~5
POWER CONVERSION EQUIPMENT	SMA SCS 3800 UP-XT
NUMBER OF POWER CONVERSION EQUIPMENT	98
POWER CONVERSION EQUIPMENT POWER (MW)	3.8
UNDERGROUND TRANSMISSION LINE (m)	715





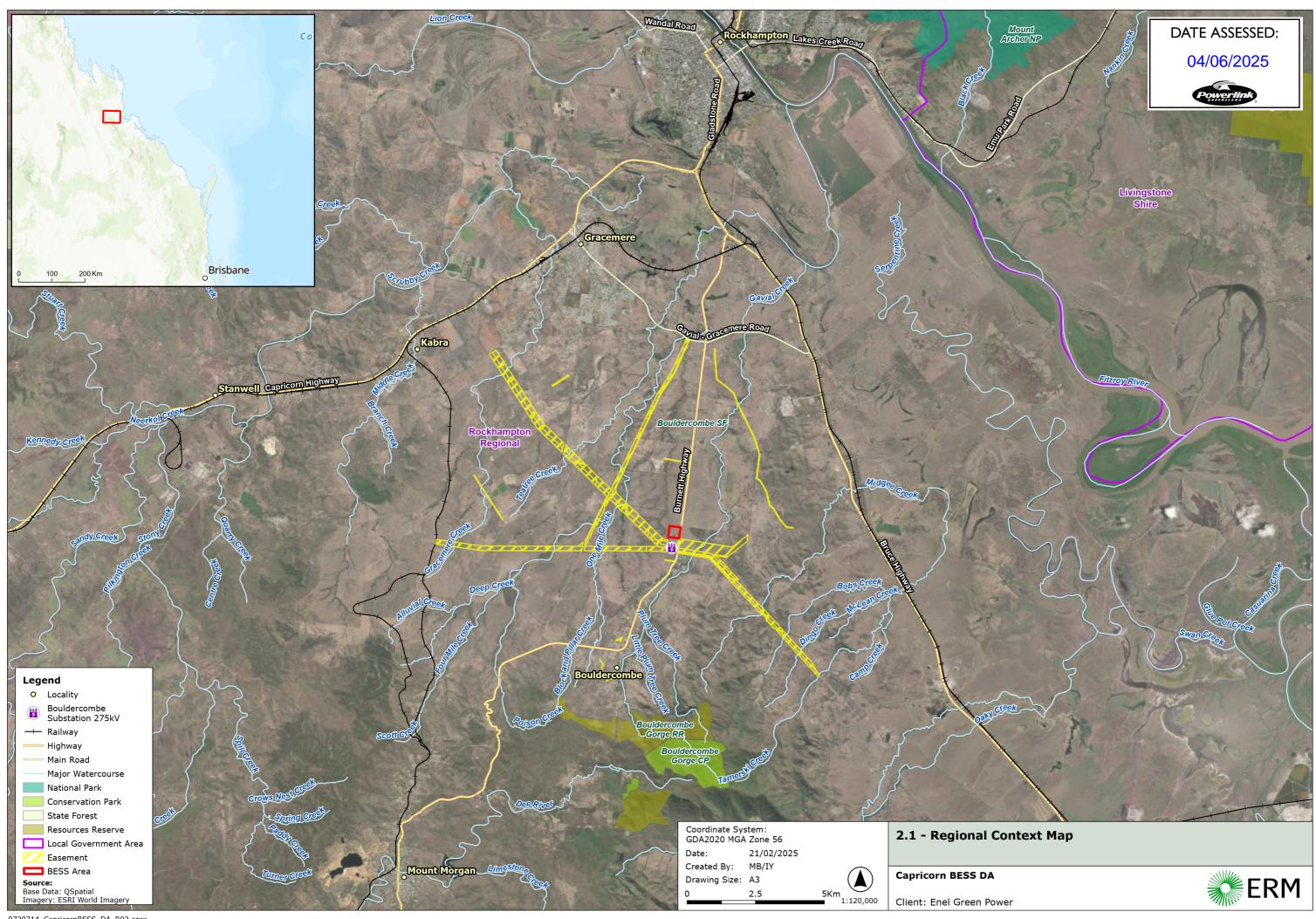


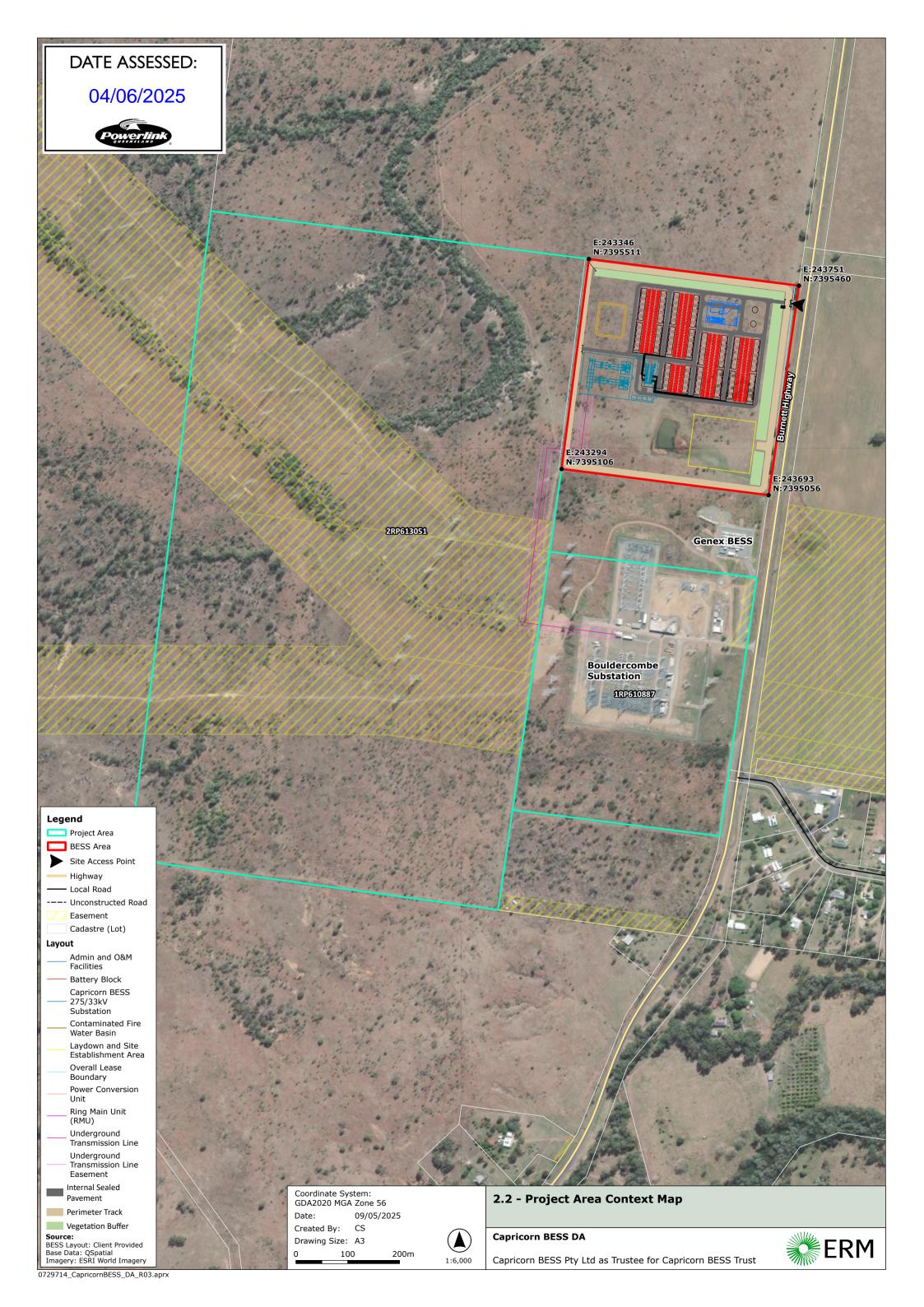
PRELIMINARY

P07	27.02.2025	ISSUE	D FOR REVIEW						
1 07	E7.0E.EUES	13302	D T DK KEVIEW		N.KLASEN	-	-	-	
P06	15.01.2024	ISSUE	D FOR REVIEW						
	1010112021	19902	D T DK KETTEW		R. PEREZ	L. GRAHAM	K. AJAYI	C. CH	AUHAN
P05	13.12.2024	ISSUE	D FOR REVIEW						
. ••					R. PEREZ	L. GRAHAM	K. AJAYI	C. CH	AUHAN
P04	31.10.2024	ISSUE	D FOR REVIEW						
	JANUAL I	13302			R. PEREZ	H. LIGHT	K. AJAYI	C, CH	AUHAN
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Laura Donaldson

Property Management Team Leader

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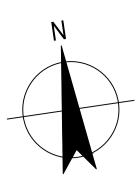
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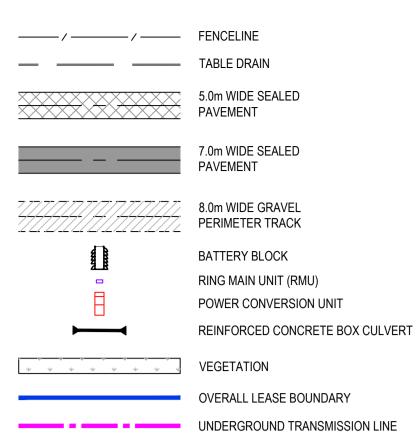
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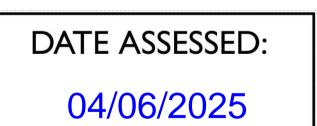








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POWER CONVERSION EQUIPMENT	SMA SCS 3800 UP-XT
NUMBER OF POWER CONVERSION EQUIPMENT	98
POWER CONVERSION EQUIPMENT POWER (MW)	3.8
UNDERGROUND TRANSMISSION LINE (m)	715





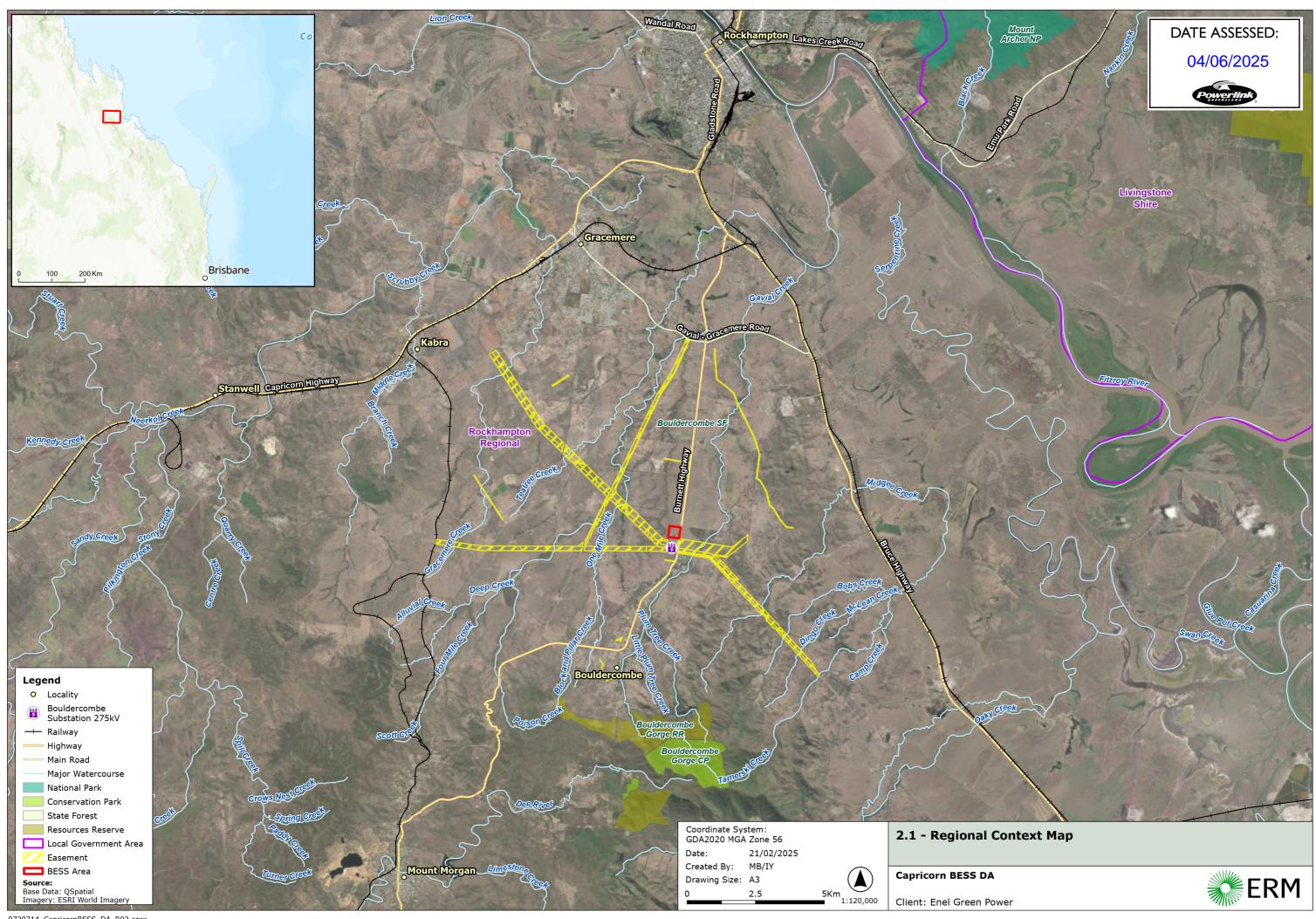


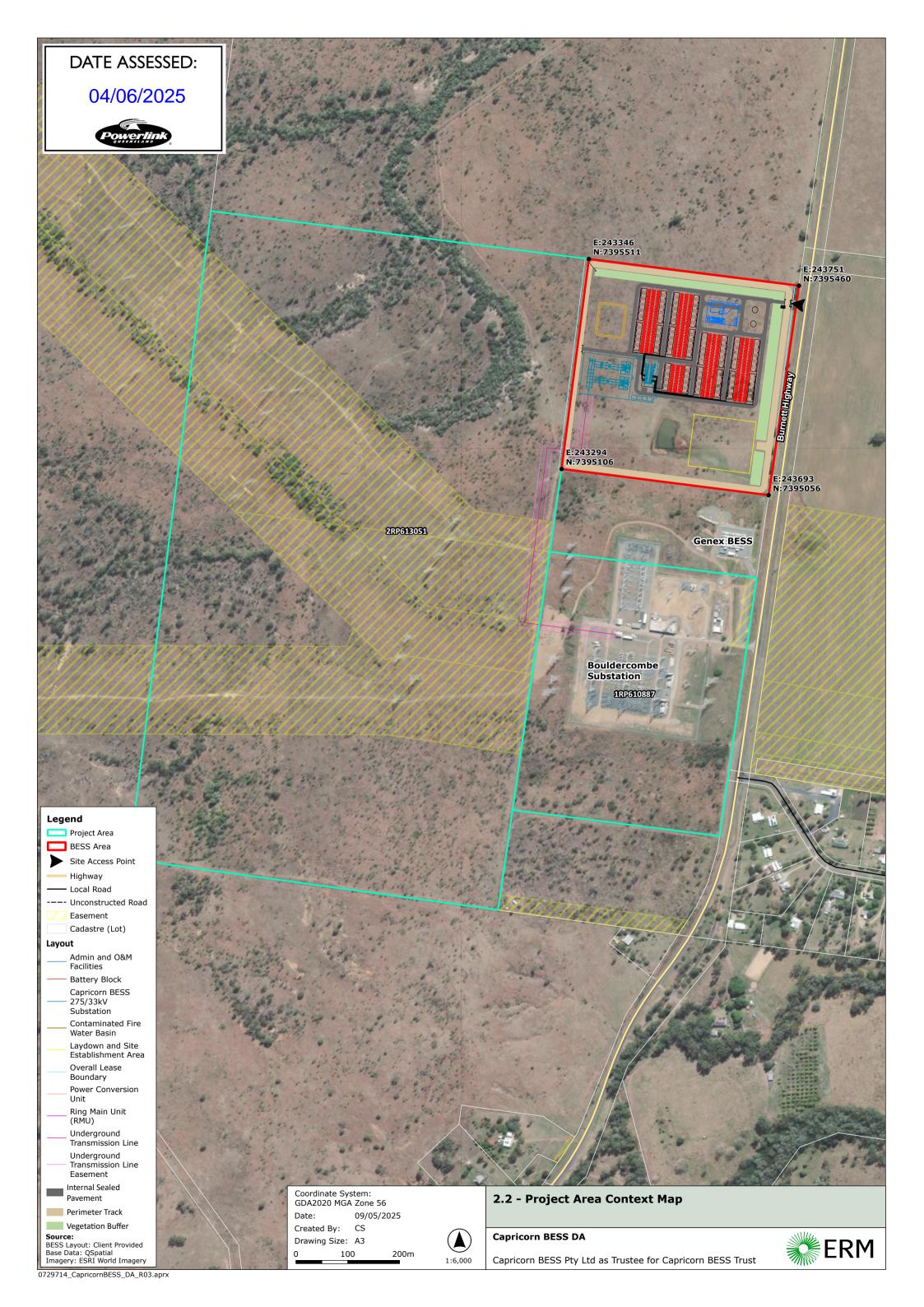
PRELIMINARY

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P04	31.10.2024	ISSUED FOR REVIEW							
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ATTACHMENT 3 Total of 3 Pages

ANNEXURE A – GENERIC REQUIREMENTS

The conditions contained in this Annexure have been compiled to assist persons (the applicant) intending to undertake work within the vicinity of high-voltage electrical installations and infrastructure owned or operated by Powerlink. The conditions are supplementary to the provisions of the Electrical Safety Act 2002, Electrical Safety Regulation 2013 and the Terms and Conditions of Registered Easements and other forms of Occupational Agreements hereinafter collectively referred to as the "Easement". Where any inconsistency exists between this Annexure and the Easement, the Easement shall take precedence.

1. POWERLINK INFRASTRUCTURE

You may not do any act or thing which jeopardises the foundations, ground anchorages, supports, towers or poles, including (without limitation) inundate or place, excavate or remove any soil, sand or gravel within a distance of twenty (20) metres surrounding the base of any tower, pole, foundation, ground anchorage or support.

2. STRUCTURES

No structures should be placed within twenty (20) metres of any part of a tower or structure foundation or within 5m of the conductor shadow area. Any structures on the easement require prior written consent from Powerlink.

3. EXCLUSION ZONES

Exclusion zones for operating plant are defined in Schedule 2 of the Electrical Safety Regulation 2013 for Untrained Persons. All Powerlink infrastructure should be regarded as "electrically live" and therefore potentially dangerous at all times.

In particular your attention is drawn to Schedule 2 of the *Electrical Safety Regulation 2013* which defines exclusion zones for untrained persons in charge of operating plant or equipment in the vicinity of electrical facilities. If any doubt exists in meeting the prescribed clearance distances from the conductors, the applicant is obliged under this Act to seek advice from Powerlink.

4. ACCESS AND EGRESS

Powerlink shall at all times retain the right to unobstructed access to and egress from its infrastructure. Typically, access shall be by 4WD vehicle.

5. APPROVALS (ADDITIONAL)

Powerlink's consent to the proposal does not relieve the applicant from obtaining statutory, landowner or shire/local authority approvals.

6. MACHINERY

All mechanical equipment proposed for use within the easement must not infringe the exclusion zones prescribed in Schedule 2 of the Electrical Safety Regulation 2013. All operators of machinery, plant or equipment within the easement must be made aware of the presence of live high-voltage overhead wires. It is recommended that all persons entering the Easement be advised of the presence of the conductors as part of on site workplace safety inductions. The use of warning signs is also recommended.

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7. EASEMENTS

All terms and conditions of the easement are to be observed. Note that the easement takes precedence over all subsequent registered easement documents. Copies of the easement together with the plan of the Easement can be purchased from the Department of Environment & Resource Management.

8. EXPENDITURE AND COST RECOVERY

Should Powerlink incur costs as a result of the applicant's proposal, all costs shall be recovered from the applicant.

Where Powerlink expects such costs to be in excess of \$10 000.00, advanced payments may be requested.

9. EXPLOSIVES

Blasting within the vicinity (500 metres) of Powerlink infrastructure must comply with AS 2187. Proposed blasting within 100 metres of Powerlink infrastructure must be referred to Powerlink for a detailed assessment.

10. BURNING OFF OR THE LIGHTING OF FIRES

We strongly recommend that fires not be lit or permitted to burn within the transmission line corridor and in the vicinity of any electrical infrastructure placed on the land. Due to safety risks Powerlink's written approval should be sort.

11. GROUND LEVEL VARIATIONS

Overhead Conductors

Changes in ground level must not reduce statutory ground to conductor clearance distances as prescribed by the Electrical Safety Act 2002 and the Electrical Safety Regulation 2013.

Underground Cables

Any change to the ground level above installed underground cable is not permitted without express written agreement of Powerlink.

12. VEGETATION

Vegetation planted within an easement must not exceed 3.5 metres in height when fully matured. Powerlink reserves the right to remove vegetation to ensure the safe operation of the transmission line and, where necessary, to maintain access to infrastructure.

13. INDEMNITY

Any use of the Easement by the applicant in a way which is not permitted under the easement and which is not strictly in accordance with Powerlink's prior written approval is an unauthorised use. Powerlink is not liable for personal injury or death or for property loss or damage resulting from unauthorized use. If other parties make damage claims against Powerlink as a result of unauthorized use then Powerlink reserves the right to recover those damages from the applicant.

ATTACHMENT 3 Total of 3 Pages

14. INTERFERENCE

The applicant's attention is drawn to s.230 of the Electricity Act 1994 (the "Act"), which provides that a person must not wilfully, and unlawfully interfere with an electricity entity's works. "Works" are defined in s.12 (1) of the Act. The maximum penalty for breach of s.230 of the Act is a fine equal to 40 penalty units or up to 6 months imprisonment.

15. REMEDIAL ACTION

Should remedial action be necessary by Powerlink as a result of the proposal, the applicant will be liable for all costs incurred.

16. OWNERS USE OF LAND

The owner may use the easement land for any lawful purpose consistent with the terms of the registered easement; the conditions contained herein, the *Electrical Safety Act 2002* and the *Electrical Safety Regulation 2013*.

17. ELECTRIC AND MAGNETIC FIELDS

Electric and Magnetic Fields (EMF) occur everywhere electricity is used (e.g. in homes and offices) as well as where electricity is transported (electricity networks).

Powerlink recognises that there is community interest about Electric and Magnetic Fields. We rely on expert advice on this matter from recognised health authorities in Australia and around the world. In Australia, the Federal Government agency charged with responsibility for regulation of EMFs is the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA). ARPANSA's Fact Sheet – Magnetic and Electric Fields from Power Lines, concludes:

"On balance, the scientific evidence does not indicate that exposure to 50Hz EMF's found around the home, the office or near powerlines is a hazard to human health."

Whilst there is no scientifically proven causal link between EMF and human health, Powerlink nevertheless follows an approach of "prudent avoidance" in the design and siting of new powerlines. This includes seeking to locate new powerline easements away from houses, schools and other buildings, where it is practical to do so and the added cost is modest.

The level of EMF decreases rapidly with distance from the source. EMF readings at the edge of a typical Powerlink easement are generally similar to those encountered by people in their daily activities at home or at work. And in the case of most Powerlink lines, at about 100 metres from the line, the EMF level is so small that it cannot be measured.

Powerlink is a member of the ENA's EMF Committee that monitors and compiles up-to-date information about EMF on behalf of all electricity network businesses in Australia. This includes subscribing to an international monitoring service that keeps the industry informed about any new developments regarding EMF such as new research studies, literature and research reviews, publications, and conferences.

We encourage community members with an interest in EMF to visit ARPANSA's website: www.arpansa.gov.au Information on EMF is also available on the ENA's website: www.ena.asn.au

ANNEXURE B

SPECIFIC CONDITIONS APPLICABLE TO CONTROLLED ACTIVITIES (OVERHEAD AND UNDERGROUND TRANSMISSION EASEMENTS)

B.3 UNDERGROUND INSTALLATIONS

- All underground installations need to be installed in such a way as to allow Powerlink continuous access
 to its assets. Once installed, they need to be adequately protected from heavy loads (up to a 100 tonne
 crane) crossing them. Powerlink will not be responsible for any costs associated with this protection,
 and/or any damage caused to underground installations while carrying out its activities
- Above ground markers acceptable to Powerlink shall be installed at entry and exit points to the easement, and every 25 metres and at every change of direction over the easement area for all underground installations.

B.5 INSTALLATION OF UTILITY SERVICES

Telephone, electricity, water, sewerage, whether overhead, underground or on the surface:

- Adequate clearances to the overhead conductors and to the supporting structures must be maintained as specified in the Electricity Regulations.
- Hazards associated with induced voltages and transferred earth potentials must be considered and allowed for in the design.
- For overhead services, Powerlink requires an as-built surveyed plan and cross section of the crossing, to an appropriate scale, with actual clearance measurements, between the Telecommunication (or other service) and Powerlink conductors, recorded on the day of the survey. The date, time, ambient temperature and approximate wind speed and direction of wind must also be measured and submitted as part of this as-built information.

B.10 MINING, UNDERMINING, QUARRYING ACTIVITIES, EARTHWORKS, SUBSTANTIAL EXCAVATIONS, DAM CONSTRUCTION OR CHANGE OF GROUND CONTOURS

All applications are to be subject to individual detailed assessment including:

- The required statutory ground clearances are maintained at all times.
- The subsoil stability and surface drainage in the vicinity of structures not being adversely affected.
- Excessive quantities of dust are not generated.
- An easily accessible working area of a minimum of 20 metres from any face of a tower, is maintained at all times.
- There is no resulting interference with access eg. dam water levels.

B.14 CABLES (UNDERGROUND)

- Powerlink requires:
 - 1. as-built plans with co-ordinates (GDA 94 MGA in applicable zone),
 - 2. cable markers acceptable to Powerlink shall be installed at entry and exit points to the easement, and every 25 metres and at every change of direction over the easement area.
 - 3. cables laid at a depth of at least 600mm,
 - 4. cables situated at least 300mm away from any Powerlink cable,
 - 5. cables are to be marked with cable danger tape, and
 - 6. cables must be marked to indicate ownership.

ATTACHMENT 4

•	Powerlink's cables, should any exist, must be placed in sleeves encased in concrete across the width of the applicant's Easement/installation, at the applicant's expense, in accordance with Powerlink's specifications.
	specifications.