

**Development Application and Planning Proposal Review
NSW Planning Portal Concurrence and Referral**



Authority	Authority's Reference	Agency Concurrence and Referral	Authority Contact	Authority Notification	Submission Due	Submission Made
NSW Dept. of Planning & Environment	SSD-41807966		Rebecka Groth	10/11/2022	8/12/2022	11/11/2022

Address	Land Title
9 Roussell Road, Eastern Creek NSW 2766	Lot 251 DP 1082988

Scope of Development Application or Planning Proposal

Environmental Impact Statement (EIS) for the Roussell Road Warehouse and Distribution Centre. The construction and operation of a 25,113 m2 warehouse with 1,352 m2 of office space, with associated hardstand and landscaping.

As shown in the below site plan from Endeavour Energy's G/Net master facility model:

There are:

- Easements benefitting Endeavour Energy (indicated by red hatching) for:
 - (Part) 132,000 volt / 132 kilovolt (kV) high voltage overhead power lines and overhead earth cables.
 - 11,000 volt kV high voltage underground cables.
 - Switching stations no.s 28915 and 28019 from which supply goes to high voltage customer substation no. 28917 which provides the customer connection point for the existing premises.
 - Right of access to the switching stations.
- Low voltage and 11 kV high voltage underground cables (including a streetlight column) and underground earth cables to the road verge / roadway.

Relevant / applicable clause numbers from Endeavour Energy's standard conditions for Development Application and Planning Proposal Review indicated by .

Condition	Advice	Clause No.	Issue	Detail
<input type="checkbox"/>	<input type="checkbox"/>	1	Adjoining Sites	Adjoining or nearby development / use should be compatible with the use of Endeavour Energy's sites.
<input type="checkbox"/>	<input type="checkbox"/>	2	Asbestos	Area identified or suspected of having asbestos or asbestos containing materials (ACM) present in the electricity network.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	Asset Planning	Applicants should not assume adequate supply is immediately available to facilitate their proposed development.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4	Asset Relocation	Application must be made for an asset relocation / removal to determine possible solutions to the developer's requirements.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5	Before You Dig	Before commencing any underground activity the applicant must obtain advice from the Before You Dig service.
<input type="checkbox"/>	<input type="checkbox"/>	6	Bush Fire	Risk needs to be managed to maintain the safety of customers and the communities served by the network.
<input type="checkbox"/>	<input type="checkbox"/>	7	Construction Management	Integrity of electricity infrastructure must be maintained and not impacted by vehicle / plant operation, excessive loads, vibration, dust or moisture penetration.
<input type="checkbox"/>	<input type="checkbox"/>	8	Contamination	Remediation may be required of soils or surfaces impacted by various forms of electricity infrastructure.
<input type="checkbox"/>	<input type="checkbox"/>	9	Demolition	All electricity infrastructure shall be regarded as live and care must be taken to not interfere with any part of the electricity network.
<input type="checkbox"/>	<input type="checkbox"/>	10	Dispensation	If a proposal is not compliant with Endeavour Energy's engineering documents or standards, the applicant must request a dispensation.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11	Driveways	For public / road safety and to reduce the risk of vehicle impact, the distance of driveways from electricity infrastructure should be maximised.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12	Earthing	The construction of any building or structure connected to or in close proximity to the electrical network must be properly earthed.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13	Easement Management	Preference is for no activities to occur in easements and they must adhere to minimum safety requirements.
<input type="checkbox"/>	<input type="checkbox"/>	14	Easement Release	No easement is redundant or obsolete until it is released having regard to risks to its network, commercial and community interests.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15	Easement Subdivision	The incorporation of easements into to multiple / privately owned lots is generally not supported.
<input type="checkbox"/>	<input type="checkbox"/>	16	Emergency Contact	Endeavour Energy's emergency contact number 131 003 should be included in any relevant risk and safety management plan.
<input type="checkbox"/>	<input type="checkbox"/>	17	Excavation	The integrity of the nearby electricity infrastructure shall not be placed at risk by the carrying out of excavation work.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	18	Flooding	Electricity infrastructure should not be subject to flood inundation or stormwater runoff.
<input type="checkbox"/>	<input type="checkbox"/>	19	Hazardous Environment	Electricity infrastructure can be susceptible to hazard sources or in some situations be regarded as a hazardous source.
<input type="checkbox"/>	<input type="checkbox"/>	20	Modifications	Amendments can impact on electricity load and the contestable works required to facilitate the proposed development.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	21	Network Access	Access to the electricity infrastructure may be required at any time particularly in the event of an emergency.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	22	Network Asset Design	Design electricity infrastructure for safety and environmental compliance consistent with safe design lifecycle principles.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	23	Network Connection	Applicants will need to submit an appropriate application based on the maximum demand for electricity for connection of load.

Condition	Advice	Clause No.	Issue	Detail
<input type="checkbox"/>	<input type="checkbox"/>	24	Protected Works	Electricity infrastructure without an easement is deemed to be lawful for all purposes under Section 53 'Protection of certain electricity works' of the <i>Electricity Supply Act 1995</i> (NSW).
<input type="checkbox"/>	<input checked="" type="checkbox"/>	25	Prudent Avoidance	Development should avert the possible risk to health from exposure to emissions from electricity infrastructure such as electric and magnetic fields (EMF) and noise.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	26	Public Safety	Public safety training resources are available to help general public / workers understand the risk and how to work safely near electricity infrastructure.
<input type="checkbox"/>	<input type="checkbox"/>	27	Removal of Electricity	Permission is required to remove service / metering and must be performed by an Accredited Service Provider.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	28	Safety Clearances	Any building or structure must comply with the minimum safe distances / clearances for the applicable voltage/s of the overhead power lines.
<input type="checkbox"/>	<input type="checkbox"/>	29	Security / Climb Points	Minimum buffers appropriate to the electricity infrastructure being protected need to be provided to avoid the creation of climb points.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	30	Service Conductors	Low voltage service conductors and customer connection points must comply with the 'Service and Installation Rules of NSW'.
<input type="checkbox"/>	<input type="checkbox"/>	31	Solar / Generation	The performance of the generation system and its effects on the network and other connected customers needs to be assessed.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	32	Streetlighting	Streetlighting should be reviewed and if necessary upgraded to suit any increase in both vehicular and pedestrian traffic.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	33	Sustainability	Reducing greenhouse gas emissions and helping customers save on their energy consumption and costs through new initiatives and projects to adopt sustainable energy technologies.
<input type="checkbox"/>	<input type="checkbox"/>	34	Swimming Pools	Whenever water and electricity are in close proximity, extra care and awareness is required.
<input type="checkbox"/>	<input type="checkbox"/>	35	Telecommunications	Address the risks associated with poor communications services to support the vital electricity supply network Infrastructure.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	36	Vegetation Management	Landscaping that interferes with electricity infrastructure is a potential safety risk and may result in the interruption of supply.
Completed by:				Decision
Cornelis Duba				Approve (with conditions)

Cornelis Duba | Development Application Specialist

M 0455250981

E comelis.duba@endeavourenergy.com.au

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endeavourenergy.com.au |    



Endeavour Energy respectfully acknowledges the Traditional Custodians on whose lands we live, work, and operate and their Elders past, present and emerging.

Reason(s) for Conditions / Decision (If applicable)

- The Environmental Impact Statement (EIS) mentions 'To the west of the site is Reedy Creek and the Endeavour Energy 132 kilovolt (kV) electricity transmission easement' but does not appear to address it or the other easements for electricity infrastructure affecting the site which also appear are not shown in the plans (which should be updated to be shown on all the plans to assist Endeavour Energy's Easement Officers to assess the proposed encroachments and /or activities in the easements – please refer to the point below).
- The Engagement Outcomes Report does not appear to indicate any consultation has occurred with Endeavour Energy as part of the stakeholder engagement strategy.
- Endeavour Energy's preference is to have continuity of its easements over the most direct and practicable route affecting the least number of lots as possible. Therefore it generally does not support the incorporation of easements into to multiple / privately owned lots. The EIS indicates 'The proposal does not involve subdivision'.
- All encroachments and / or activities (works) within or affecting an easement (other than those approved / certified by Endeavour Energy's Customer Network Solutions Branch as part of an enquiry / application for load or asset relocation project and even if not part of the Development Application) need to be referred to Endeavour Energy's Easement Officer for assessment and possible approval if they meet the minimum safety requirements and controls. However please note that this does not constitute or imply the granting of approval by Endeavour Energy to any or all of the proposed encroachments and / or activities within the easement.

For further information please refer to the attached copies of Endeavour Energy's:

- General Restrictions for Overhead Power Lines.
- General Restrictions for Underground Cables.
- Mains Design Instruction MDI 0044 'Easements and Property Tenure Rights' which deals with activities / encroachments within easements.

From the plans there are various encroachments and / or activities proposed in the easements, in particular to the easement for underground cables to the northern side boundary including cut and fill (please see the below extract of Bulk Earthworks Cut / Fill Plan), shared access driveway, palisade security fence, stormwater drainage pipes etc.

As these appear to be controlled activities ie. which may be allowed only if they meet both the minimum safety requirements and additional controls which are for the type of easement / activity, Endeavour Energy has not objected to the Development Application.

Whilst the Department is able to condition the resolution of easement management matters as part of any consent granted to the Development Application, Endeavour Energy's preference / recommendation is that whenever reasonably possible, easement management matters be addressed before any consent is granted. This can assist in avoiding the making of amendments to the plans or possibly the need to later seek modification of an approved development application.

- The Stormwater Management and Infrastructure Report does not appear to address in detail whether the electricity services are available and adequate for the proposed development and indicates 'The site is currently connected to all essential services and the proposed development will continue to be serviced by existing utilities and infrastructure.

7.6 Electrical

The site currently has 4 x 11kV feeders supplied from Eastern Creek Zone Substation which cross the northern boundary of the site. Supply is to come from one of these four feeders to supply an on-lot substation for the supply of low voltage to the development.

- The Site Plan – Overall does not appear to show provision for a padmount substation on the site.
- The existing facility is supplied via high voltage customer substation. High voltage customer connections must be a single customer site. Multiple occupant developments such as subdivisions, shopping centres, factory units, distribution centres, etc. are not entitled to high voltage connections. The applicant should contact Endeavour Energy's Customer Network Solutions Branch to confirm the connection entitlement for the existing premises.

- To ensure an adequate connection, the applicant will need to engage an Accredited Service Provider (ASP) of an appropriate level and class of accreditation to assess the electricity load and the proposed method of supply for the development.
- As well as the provision / capacity of the distribution / padmount substation, other factors such as the size and rating / load on the conductors and voltage drop (which can affect the quality of supply particularly with long conductor runs) etc. need to be assessed. However the extent of any works required will not be determined until the final load assessment is completed.
- Any required padmount substation will need to be located within the property (in a suitable and accessible location) and be protected (including any associated cabling) by an easement and associated restrictions benefiting and gifted to Endeavour Energy. Please refer to Endeavour Energy's Mains Design Instruction MDI 0044 'Easements and Property Tenure Rights'.
- Generally it is the Level 3 Accredited Service Provider's (ASP) responsibility (engaged by the developer) to make sure substation location and design complies with Endeavour Energy's standards the suitability of access, safety clearances, fire ratings, flooding etc.
- The Site Plan – Overall indicates 'Existing Pole Mounted Street Light to be Removed / Relocated or Replaced Elsewhere as Co-coordinate with Council Authorities'. The application for an asset relocation / removal will need to be made to Endeavour Energy's Customer Solutions Branch.

Driveways should be designed to increase the separation to the any electricity infrastructure on the road verge as much as reasonably possible. Endeavour Energy's Lighting Design Instruction LDI 0001 'Public lighting design' indicates that for new lighting installations 'The minimum clearance to any driveway shall be 1500 mm'.

- Endeavour Energy is urging applicants /customers to engage with an Electrical Consultant / Accredited Service Provider (ASP) prior to finalising plans to in order to assess and incorporate any required electricity infrastructure. In so doing the consideration can also be given to its impact on the other aspects of the proposed development. This can assist in avoiding the making of amendments to the plan or possibly the need to later seek modification of an approved development application.
- The minimum required safety clearances and controls for building and structures (whether temporary or permanent) and working near overhead power lines must be maintained at all times. If there is any doubt whatsoever regarding the safety clearances to the overhead power lines, the applicant will need to have the safety clearances assessed by a suitably qualified electrical engineer / Accredited Service Provider (ASP).

Even if there is no issue with the safety clearances to the building and structures, consideration must be given to WorkCover (now SafeWork NSW) 'Work Near Overhead Power Lines Code of Practice 2006' eg. ordinary persons must maintain a minimum safe approach distance of 3.0 metres to all voltages up to and including 132,000 volts / 132 kilovolt (kV).

- The planting of large / deep rooted trees near electricity infrastructure is opposed by Endeavour Energy. Existing trees which are of low ecological significance in proximity of electricity infrastructure should be removed and if necessary replaced by an alternative smaller planting. The landscape designer will need to ensure any planting near electricity infrastructure achieves Endeavour Energy's vegetation management requirements.
- Not all the conditions / advice marked may be directly or immediately relevant or significant to the Development Application. However, Endeavour Energy's preference is to alert proponents / applicants of the potential matters that may arise should development within closer proximity of the existing and/or required electricity infrastructure needed to facilitate the proposed development on or in the vicinity of the site occur.
- Please note Endeavour Energy can only assess the Development Application based on the information provided by the applicant and Council. Due to time and resource constraints it is not possible to refer all development application notifications to the relevant internal stakeholders for review and advice or to request additional information from the applicant or Council.

Applicants should be providing proper detailed plans of the electricity infrastructure / easements on or near the site and address the potential impacts of the proposed development thereon in the Statement of Environmental Effects. The provision of inadequate detail may result in Endeavour Energy objecting to the Development Application.

Condition or Advice

With Endeavour Energy's Development Application and Planning Proposal Review process / system the intent of the 'Standard Conditions' being indicated as either a 'Condition' or 'Advice' essentially depends on the risk associated with the matter. If the matter is one that is likely or very likely to be an issue / needed to be addressed by the applicant and may require corrective action, then it is marked as a 'Condition'. If the matter is less likely and the consequences of the applicant not addressing it are lower or can be readily rectified, then it is marked as 'Advice'. If the matter is considered to be not applicable / relevant then it is not marked as either.

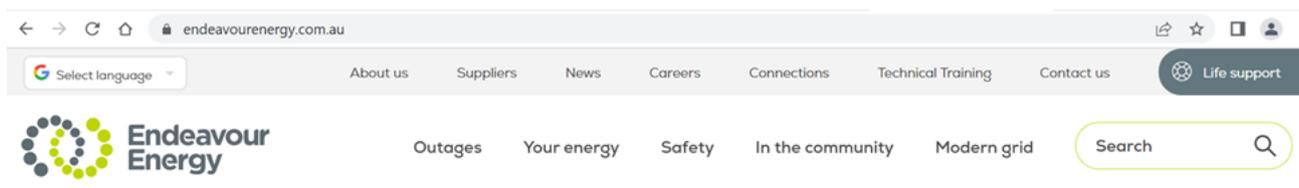
For example, the obtaining advice from the Before You Dig service in accordance with the requirements of the *Electricity Supply Act 1995* (NSW) and associated Regulations is a standard / regulatory requirement. It will be generally indicated as 'Advice'. If the Site Plan from Endeavour Energy's G/Net Master Facility Model indicates there is some uncertainty over the extent or location of the underground cables on or near the site, it would then be indicated as 'Condition' and require action to be undertaken by the applicant eg. the use of an underground asset locating device or a certified locator to verify the asset location.

Decision

In the NSW Planning Portal for the 'Agency response', as Endeavour Energy is not a concurring authority under the provision of the *Environmental Planning and Assessment Act 1979* (NSW), it does not 'Approve' or 'Refuse' a Development Application in the Portal. It will 'Approve (with conditions)' (which may 'Object' in the submission and detail the matters requiring resolution), or if all the matters in the submission are marked as for 'Advice', the outcome of the assessment will also be 'Advice'.

Further Advice

The 'Standard Conditions' include additional advice and contact details and further information is also available on Endeavour Energy's website at <https://www.endeavourenergy.com.au/>.



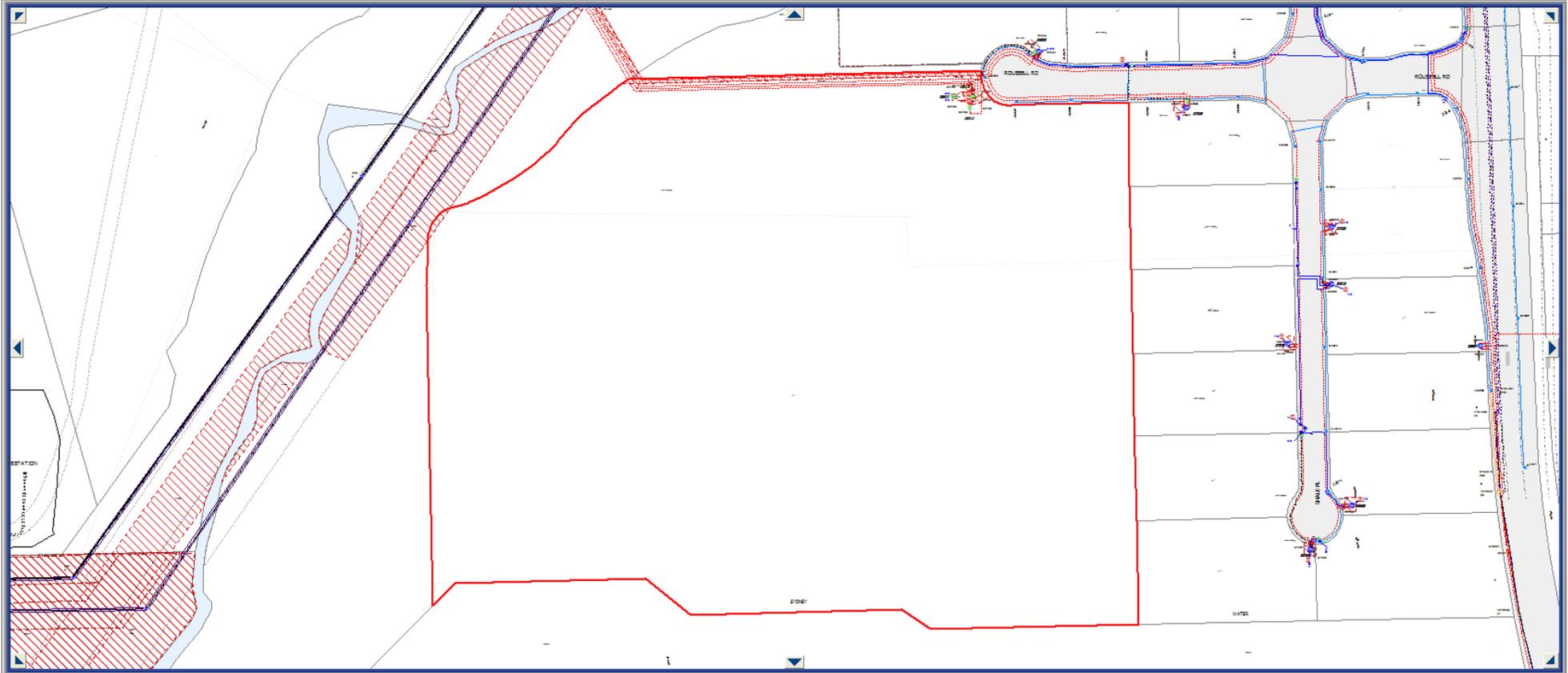
The following contacts can be reached by calling Endeavour Energy via Head Office enquiries on business days from 9am - 4:30pm on telephone: 133 718 or (02) 9853 6666.

Branch / Section	Matters	Email
Customer Network Solutions	Electricity supply or asset relocation who are responsible for managing the conditions of supply with the applicant and their Accredited Service Provider (ASP).	cicadmin@endeavourenergy.com.au
Easement Officers	Easement management or protected works / assets.	Easements@endeavourenergy.com.au
Property	Property tenure eg. the creation or release of easements.	network_property@endeavourenergy.com.au
Field Operations (to the relevant Field Service Centre).	Safety advice for building or working near electrical assets in public areas (including zone and transmission substations).	Construction.Works@endeavourenergy.com.au

Please note Endeavour Energy's above contacts do not have access to the NSW Planning Portal. To resolve any matters direct contact should be made with the responsible contact. This will avoid double handling and possible delays in responding to the applicant / Council.

Details of the Accredited Service Provider (ASP) Scheme which accredits organisations to perform contestable work on the NSW electricity distribution network are available via the following link to the Energy NSW website at <https://www.energysaver.nsw.gov.au/get-energy-smart/dealing-energy-providers/installing-or-altering-your-electricity-service>.

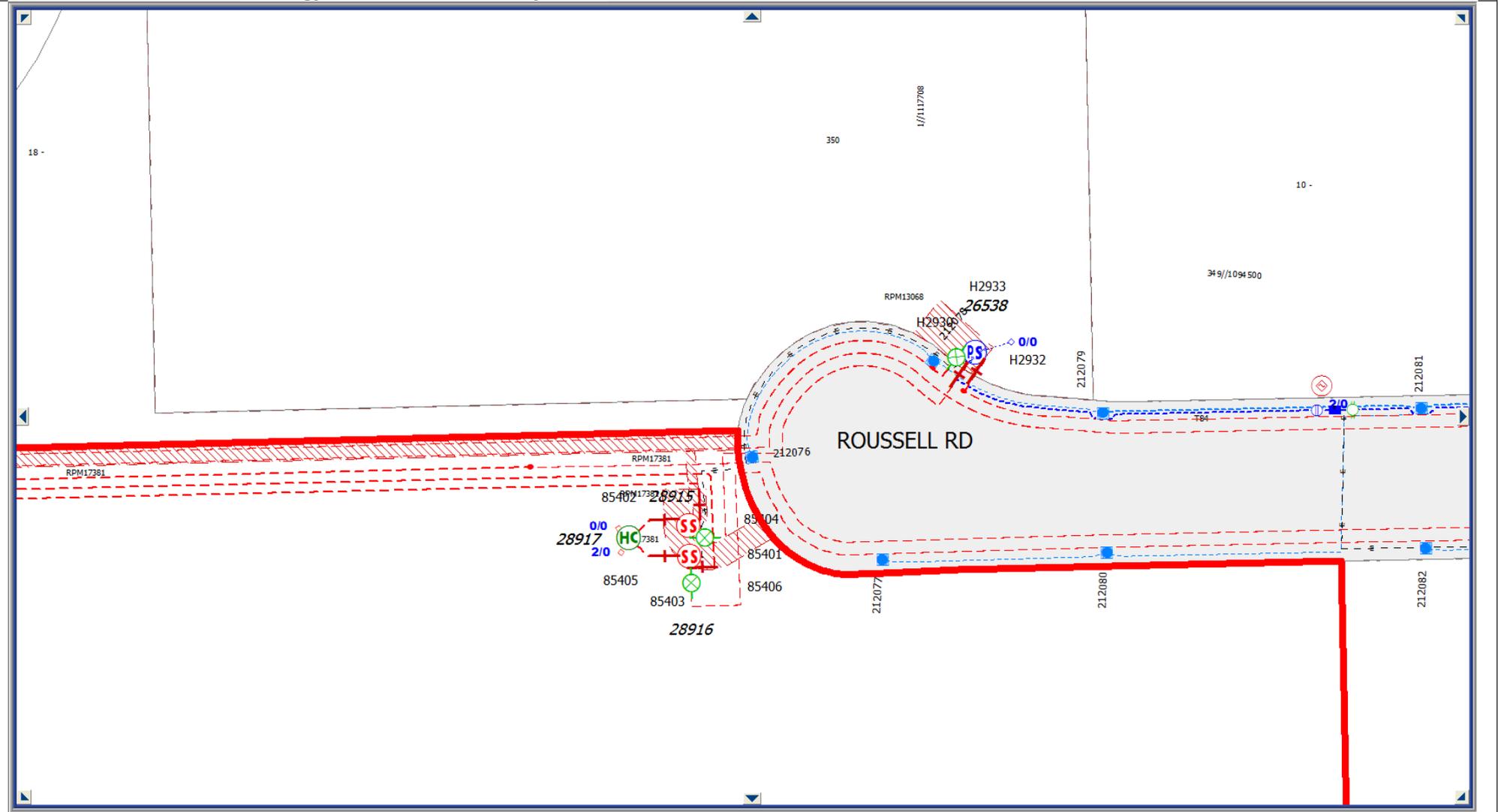
Site Plan from Endeavour Energy's G/Net Master Facility Model



G3E_FID	Feature Name	Component Name	G3E_CID	G3E_ID	LOT	SECTION	DP
65883056	Crown Parcel	Crown Parcel Find	1	1862327	251		1082988

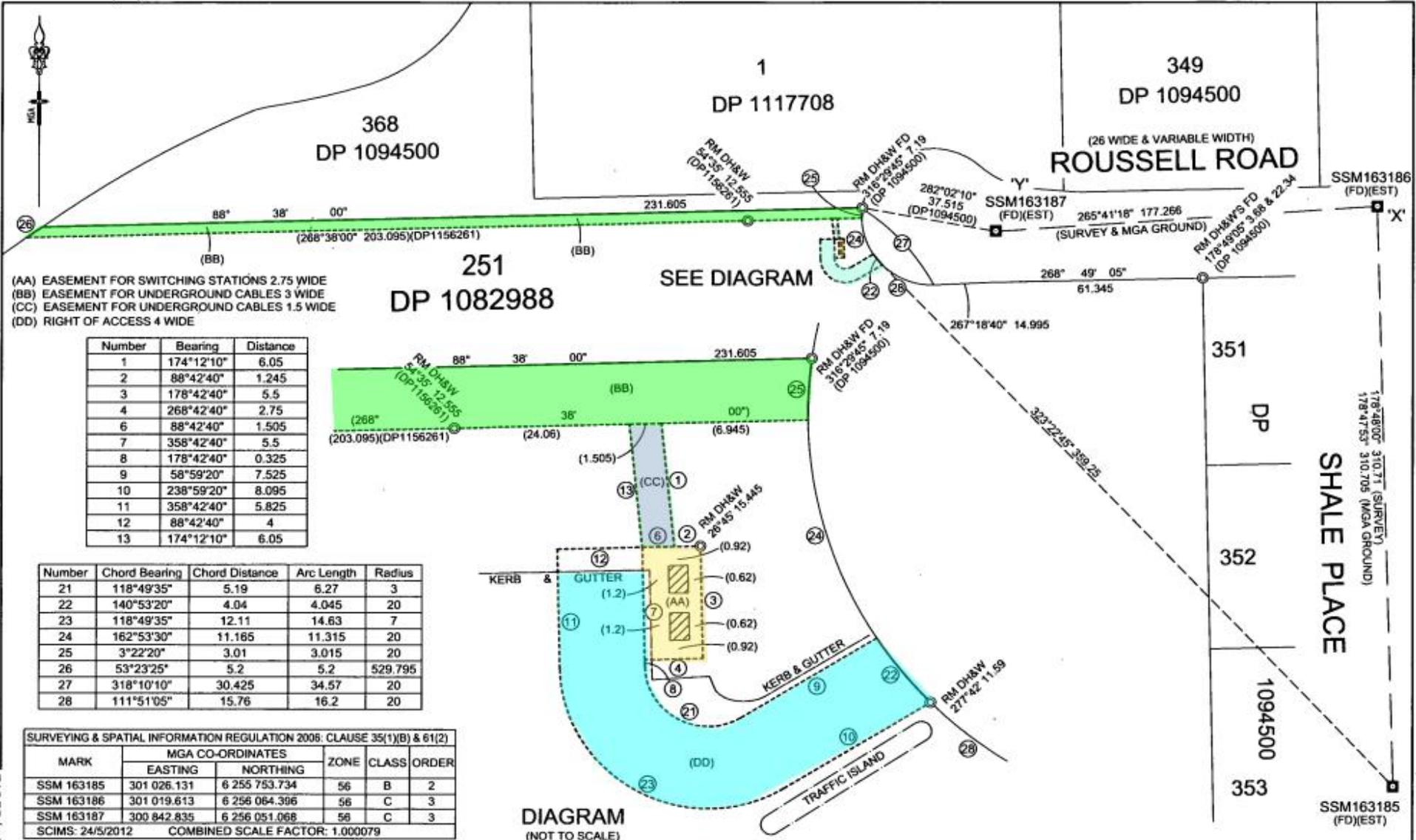
Please note the location, extent and type of any electricity infrastructure, boundaries etc. shown on the plan is indicative only. In addition it must be recognised that the electricity network is constantly extended, augmented and modified and there is a delay from the completion and commissioning of these works until their capture in the model. Easements benefitting Endeavour Energy are indicated by red hatching. Generally (depending on the scale and/or features selected), low voltage (normally not exceeding 1,000 volts) is indicated by blue lines and high voltage (normally exceeding 1,000 volts but for Endeavour Energy's network not exceeding 132,000 volts / 132 kV) by red lines (these lines can appear as solid or dashed and where there are multiple lines / cables only the higher voltage may be shown). This plan only shows the Endeavour Energy network and does not show electricity infrastructure belonging to other authorities or customers owned electrical equipment beyond the customer connection point / point of supply to the property. This plan does not constitute the provision of information on underground electricity power lines by network operators under Part 5E 'Protection of underground electricity power lines' of the *Electricity Supply Act 1995* (NSW).

Site Plan from Endeavour Energy's G/Net Master Facility Model



LEGEND	
	Padmount substation
	Indoor substation
	Ground substation
	Kiosk substation
	Cottage substation
	Pole mounted substation
	High voltage customer substation
	Metering unit
	Switch station
	Indoor switch station
	Customer connection point
	Low voltage pillar
	Streetlight column
	Life support customer
	Tower
	Pole
	Pole with streetlight
	Customer owned / private pole
	Cable pit
	Load break switch
	Recloser
	Proposed removed
	Easement
	Subject site

Req: R668492 / Doc: DP 1246693 P / Rev: 18-Sep-2018 / Sts: SC OK / Pgs: ALL / Prt: 03-Dec-2018 09:47 / Seq: 1 of 3
 Ref: SEPT18NAT08P / Src: B



(AA) EASEMENT FOR SWITCHING STATIONS 2.75 WIDE
 (BB) EASEMENT FOR UNDERGROUND CABLES 3 WIDE
 (CC) EASEMENT FOR UNDERGROUND CABLES 1.5 WIDE
 (DD) RIGHT OF ACCESS 4 WIDE

Number	Bearing	Distance
1	174°12'10"	6.05
2	88°42'40"	1.245
3	178°42'40"	5.5
4	268°42'40"	2.75
6	88°42'40"	1.505
7	358°42'40"	5.5
8	178°42'40"	0.325
9	58°59'20"	7.525
10	238°59'20"	8.095
11	358°42'40"	5.825
12	88°42'40"	4
13	174°12'10"	6.05

Number	Chord Bearing	Chord Distance	Arc Length	Radius
21	118°49'35"	5.19	6.27	3
22	140°53'20"	4.04	4.045	20
23	118°49'35"	12.11	11.63	7
24	162°53'30"	11.165	11.315	20
25	3°22'20"	3.01	3.015	20
26	53°23'25"	5.2	5.2	529.795
27	318°10'10"	30.425	34.57	20
28	111°51'05"	15.76	16.2	20

SURVEYING & SPATIAL INFORMATION REGULATION 2006: CLAUSE 35(1)(B) & 61(2)

MARK	MGA CO-ORDINATES		ZONE	CLASS	ORDER
	EASTING	NORTHING			
SSM 163185	301 026.131	6 255 753.734	56	B	2
SSM 163186	301 019.613	6 256 064.396	56	C	3
SSM 163187	300 842.835	6 256 051.068	56	C	3

SCIMS: 24/5/2012 COMBINED SCALE FACTOR: 1.000079

Surveyor: MATTHEW WILLIAM CLEARY
 Date of Survey: 8/5/2012
 Surveyor Ref: 115798500_02

PLAN OF EASEMENT AFFECTING LOT 251 IN DP1082988

LGA: BLACKTOWN
 LOCALITY: EASTERN CREEK
 SUBDIVISION No: —
 Lengths are in metres. Reduction Ratio: 1: 1000

REGISTERED

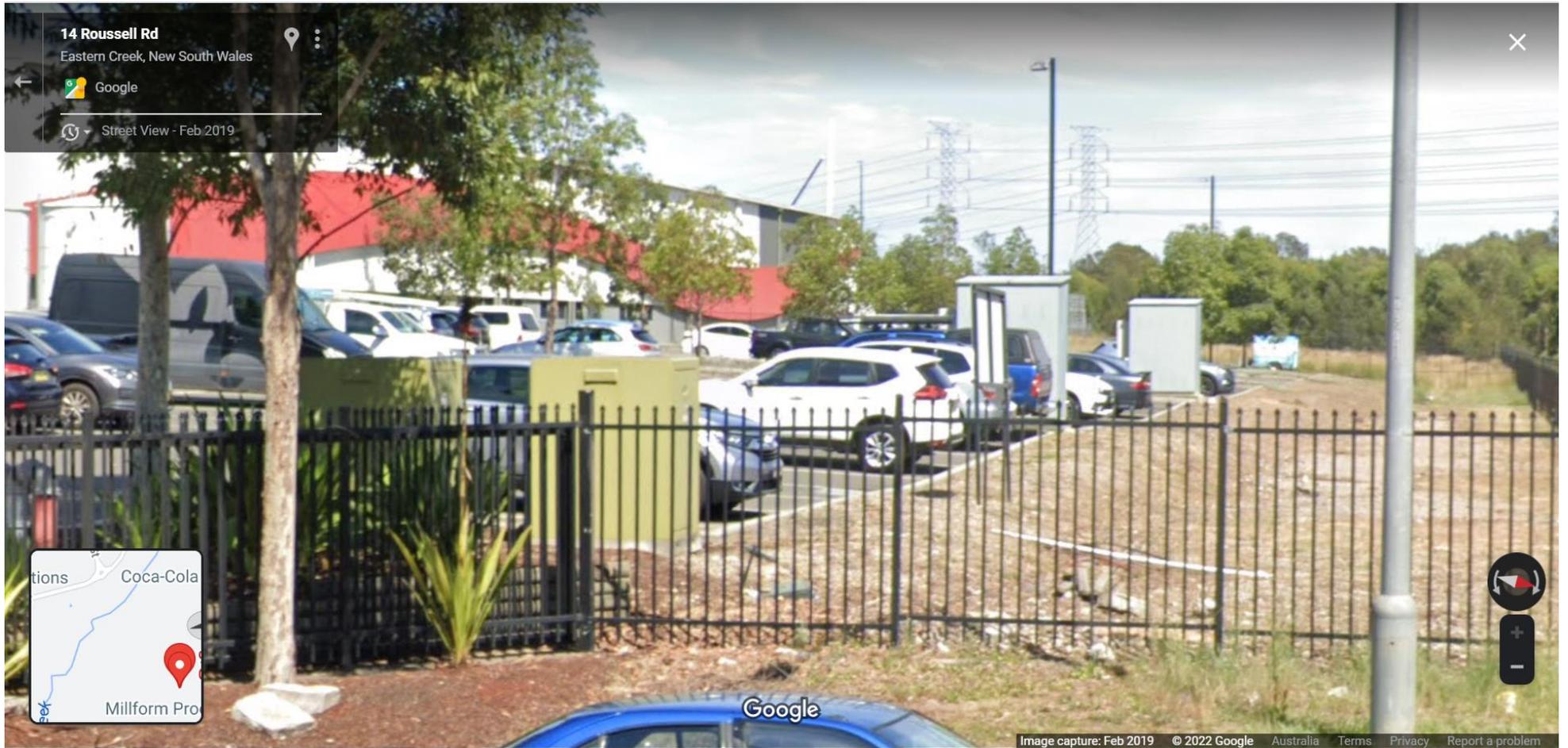
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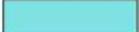
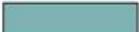
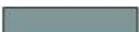
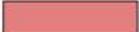
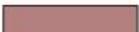
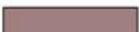
Google Maps Street View



Google Maps Street View



Extract of Bulk Earthworks Cut / Fill Plan

LEGEND		
APPROXIMATE EXTENT OF FILL	0.0 - 0.5m	
	0.5 - 1.0m	
	1.0 - 1.5m	
	1.5 - 2.0m	
	2.0 - 2.5m	
	> 2.5m	
APPROXIMATE EXTENT OF CUT	0.0 - 0.5m	
	0.5 - 1.0m	
	1.0 - 1.5m	
	1.5 - 2.0m	
	2.0 - 2.5m	
	> 2.5m	

BULK EARTHWORKS
CUT/FILL PLAN

