The Secretary
NSW Department of Planning, Industry and Environment

29 May 2020

ATTENTION: Nathan Heath, Planning Officer

Dear Sir or Madam

I refer to the Department's below email of 27 April 2020 regarding the notice of exhibition of the Environmental Impact Statement (EIS) for State Significant Development SSD-10431 at Moorebank Avenue, Moorebank (Lot 1 DP 1197707 and Lot 100 DP1049508) in the Liverpool City Local Government Area for the Moorebank Intermodal Precinct West - Stage 3 being the establishment of a works compound in the southern portion of the MPW site, associated ancillary works, subdivision of the MPW site into 9 allotments and the importation of clean fill material. Submissions needed to be made to the Department by 27 May 2020. I apologise for the late submission but trust that Endeavour Energy's recommendations and comments will still be considered.

As shown in the below site plans from Endeavour Energy's G/Net master facility model (and extracts from Google Maps Street View) there is over:

- Lot 100 DP1049508
    - Easement along the southern part of the site for low voltage, 11,000 volt / 11 kilovolt (kV) high voltage and 33,000 volt / 33 kV ('Out of Service') high voltage overhead power lines located to Bapaume Road road verge / roadway.
    - Low voltage and 11 kV high voltage overhead power lines and pole mounted substation no. 4392 (indicated by the symbol) not held under easement.
- Lot 1 DP 1197707
    - Easement to the northern part with frontage to Bapaume Road for 11 kV high voltage and 33 kV ('Out of Service') high voltage overhead power lines ie. being the continuation of those on Lot 100 DP1049508. The 11 kV high voltage overhead power lines appear to be partially outside the easement where they cross Bapaume Road.
    - Easement for 11 kV high voltage underground cables at the intersection of Anzac Road and Moorebank Avenue going south and crossing the private road section of Moorebank Avenue (Lot 2 DP 1197707) to switch stations no.s 36565 and 36566 (indicated by the symbol) on Lot 13 DP 1251885.
    - Low voltage underground cables and overhead power lines to the public road section of Moorebank Avenue. From Google Maps Street View there are sections of low voltage overhead power lines to the private road section of Moorebank Avenue which presumably are Defence owned assets.

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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. 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 is not a 'Dial Before You Dig' plan under the provisions of Part 5E 'Protection of underground electricity power lines' of the *Electricity Supply Act 1995* (NSW).

In regard to the low voltage and 11 kV high voltage overhead power lines traversing the site not held under easement, they are protected assets under the *Electricity Supply Act 1995* (NSW) Section 53 'Protection of certain electricity works'. The owner or occupier of the land cannot take any action by reason of the presence or operation of the electricity works in, on or over the land ie. they cannot remove the electricity infrastructure from the property. These protected assets are managed on the same basis as if an easement was in existence – please refer to the below point 'Easement Management / Network Access'.

In accordance with Endeavour Energy's Mains Design Instruction MDI 0044 'Easements and Property Tenure Rights', as shown in the following extracts of Table 1 – 'Minimum easement widths', the low voltage and 11 kV high voltage overhead power lines require a 9 metre minimum easement width ie. 4.5 metres to both sides of the centre line of the poles / conductors.

Table 1 - Minimum easement widths

	Voltage	Asset Type	Construction	Minimum Easement (m)
Overhead Assets	400V–22kV	Bare Construction	All	9
		ABC		
		CCT		

ABC = Aerial Bundled Cables CTT = Covered Conductor Thick

This easement width in some circumstances may not be warranted ie. depending on the span, type of conductor, access etc. However as a minimum any buildings, structures, etc. whether temporary or permanent must comply with the minimum safe distances / clearances for voltages up to and including 132,000 volts (132 kV) for any building or structure (including fencing, signage, flag poles etc.) whether temporary or permanent must comply with the minimum safe distances / clearances for voltages up to and including 132 kV as specified in:

- Australian/New Zealand Standard AS/NZS 7000 – 2016: 'Overhead line design' as updated from time to time.
- 'Service and Installation Rules of NSW' which can be accessed via the following link to the Energy NSW website:

  https://energy.nsw.gov.au/government-and-regulation/legislative-and-regulatory-requirements/service-installation-rules .

These distances must be maintained at all times to all buildings and structures and regardless of the Council's allowable building setbacks etc. under its development controls. As a guide please find attached a copy of Endeavour Energy Drawing 86232 'Overhead Lines Minimum Clearances Near Structures'.

Even if there is no issue with the safety clearances to the building or structure, ordinary persons must maintain a minimum safe approach distance of 3.0 metres to all voltages up to and including 132,000 volts / 132 kV. Work within the safe approach distances requires an authorised or instructed person with technical knowledge or sufficient experience to perform the work required, a safety observer for operating plant as well as possibly an outage request and/or erection of a protective hoarding.

Subject to the foregoing and the following recommendations and comments Endeavour Energy has no objection to the Development Application.

- Network Capacity / Connection

Endeavour Energy has noted the following in the Environmental Impact Statement

17.3.3 The Proposal

The Proposal involves installation and connection to utilities and services (including water, sewer, electricity and telecommunications, as required) to support the establishment and operation of the works compound. These would be located in the permanent ring road accessway.

Given the MPW Stage 3 area and anticipated operation sits within that anticipated for MPW Stage 2 assessments, the existing utilities infrastructure has capacity to service the Proposal.

Services and utilities connections for proposed Lots 8, 9 and 10 would service the works compound, materials storage and hardstand areas. Proposed Lots 5, 6 and 7 are intended to be used for warehousing and distribution facilities and would progressively be brought online with services and utilities, as dictated by tenancy demand.

Aurecon (2020) assessed key utility infrastructure requirements for the Proposal and provided the following advice with the aim to reduce potential impacts associated with each utility:

- Electricity – Obtain previous consultation records and continue ongoing consultation with Endeavour Energy for progression of design and confirm associated augmentation costs.

17.3.2.2 Existing Conditions and MPW Stage 2 Approval

A *Utilities Summary Report* (AECOM, 2016) provided a high-level utilities summary to support MPW Stage 2 works. The report confirmed that power, potable water, wastewater, gas and telecommunications infrastructure are all present within the vicinity (or adjacent to) the MPW Site.

It further determined that:

- Endeavour Energy would need to install 2 x 11kV feeders to provide sufficient network to cater for the estimated peak electricity load. An upgrade to the substation, and provision of additional circuit breakers may also be required.

Endeavour Energy's Asset Planning & Performance Branch whilst not having undertaken a detailed analysis of the Development Application have provided the following advice:

The future proposed development of the Precinct for warehousing, distribution and freight terminal is a Significant electrical load and will require developers to extend and augment the 11,000 volt / 11 kV high voltage network to facilitate connection as per Endeavour Energy's normal customer connection processes.

Anzac Village Zone Substation (ZS) located approximately 580 metres to the east at Anzac Road Wattle Grove (Lot 3004 DP 1125930), will supply this additional / new load. Anzac Village ZS has three x 25 megavolt amperes (MVA) transformers which provide a firm capacity of 50 MVA.

Endeavour Energy will continue to monitor the load growth on Anzac Village ZS and will undertake any required augmentation of the zone substation at the appropriate time. Endeavour Energy's Network Portfolio Plan FY21 – FY30 identifies the possible establishment of Holsworthy ZS to off-load Anzac Village ZS when surplus Defence land is developed for industrial use and normal service limitations for Anzac Village service area are exceeded. This will also strengthen the 33 kV source for the Holsworthy Defence Base.

The foregoing is not a prerequisite for the new development proceeding.

Asset Planning & Performance Branch have no additional comments or concerns regarding the SSD.

In due course the applicant for the proposed development of the site will need to submit an application for connection of load via Endeavour Energy's Network Connections Branch to carry out the final load assessment and the method of supply will be determined. Depending on the outcome of the assessment, any required padmount substation/s 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 the attached copy of Endeavour Energy's Mains Design Instruction MDI 0044 'Easements and Property Tenure Rights'.

Further details are available by contacting Endeavour Energy's Network Connections Branch via Head Office enquiries on telephone: 133 718 or (02) 9853 6666 from 9am - 4:30pm or on Endeavour Energy's website under 'Home > Residential and business > Connecting to our network' via the following link:

http://www.endeavourenergy.com.au/ .

Advice on the electricity infrastructure required to facilitate the proposed development (including asset relocation / removal) can be obtained by submitting a Technical Review Request to Endeavour Energy's Network Connections Branch, the form for which FPJ6007 is attached and further details (including the applicable charges) are available from Endeavour Energy's website under 'Our connection services'. The response to these enquiries is based upon a desktop review of corporate information systems, and as such does not involve the engagement of various internal stakeholders in order to develop a 'Connection Offer'. It does provide details of preliminary connection requirements which can be considered by the applicant prior to lodging a formal application for connection of load.

Alternatively the applicant may need to engage an ASP of an appropriate level and class of accreditation to assess the electricity load of the proposed development. The ASP scheme is administered by Energy NSW and details are available on their website via the following link or telephone 13 77 88:

https://energy.nsw.gov.au/government-and-regulation/legislative-and-regulatory-requirements/asp-scheme-and-contestable-works .

- Subdivision of Easements

Where a subdivision results in the incorporation of Endeavour Energy's easement into a different or multiple lots, the easements, rights and restrictions, covenants etc. be retained over the effected lots and in accordance with the requirements of NSW Land Registry Services (LRS).

The applicant should also note the following requirements of Endeavour Energy's 'Property Tenure Guidelines, Provision of Network Connection Services':

7.0 SUBDIVISIONS

Endeavour Energy will require the developer to create all necessary easements, restrictions, rights of access, and positive covenants.

The creation of property tenure is **not** required for any network asset located within a public road (unless it is a temporary road).

7.2 Urban property tenure requirements

Endeavour Energy will require the creation of property tenure for:

- all new transmission, high voltage and low voltage assets; and
- all existing transmission, high voltage and low voltage assets located within the developer's land.

In this regard Endeavour Energy has noted the following in the Environmental Impact Statement.

3.1.2.9 Easements

Subdivision Instrument

As identified above and on the provided subdivision plan, it is intended to effect the subdivision with reference to existing easements, easements required under agreement but not as yet created, and proposed easements. These easements would provide for access, services, drainage and any other encumbrances and indemnities required for joint or reciprocal use of part or all of the proposed lots resulting from the subdivision of the site.

- Urban Network Design

Endeavour Energy's Company Policy 9.2.5 'Network Asset Design', includes the following requirements for electricity connections to new urban subdivision / development:

5.11 Reticulation policy

5.11.1 Distribution reticulation

In order to improve the reliability performance of and to reduce the operating expenditure on the network over the long term the company has adopted the strategy of requiring new lines to be either underground cables or where overhead is permitted, to be predominantly of covered or insulated construction. Notwithstanding this strategy, bare wire overhead construction is appropriate and permitted in some situations as detailed below.

In areas with the potential for significant overhanging foliage, CCT is used to provide increased reliability as it is less susceptible to outages from wind-blown branches and debris than bare conductors. CCT must only be used in treed[2] areas as the probability of a direct lightning strike is low. In open areas where the line is not shielded from a direct lightning strike, bare conductors must generally be used for 11kV and 22kV reticulation.

Non-metallic Screened High Voltage Aerial Bundled Cable (NMSHVABC) must be used in areas which are heavily treed and where it is not practicable to maintain a tree clearing envelope around the conductors.

[2] A "treed" area is one with a substantial number of trees adjacent to the line, in each span. In these situations CCT is used to provide increased reliability as it is less susceptible to outages from wind-blown

5.11.1.1 Urban areas

Reticulation of new residential subdivisions will be underground. In areas of low bushfire consequence, new lines within existing overhead areas can be overhead, unless underground lines are cost justified or required by either environmental or local council requirements.

Where underground reticulation is required on a feeder that supplies a mixture of industrial, commercial and/or residential loads, the standard of underground construction will apply to all types of load within that development.

Where ducting is used, adequate spare ducts and easements must be provided at the outset to cover the final load requirements of the entire development plan.

Extensions to the existing overhead 11kV/22kV network must generally be underground. Bare wire will be used for conductor replacements and augmentations except in treed areas where CCT or NMSHVABC must be used.
Extensions to the existing overhead LV network and augmentations must either be underground or ABC. Conductor replacements greater than 100m in route length must utilise aerial bundled cable.

Bushfire

Endeavour Energy has noted from the Environmental Impact Statement Effects that 'Portions of the MPW Site, primarily around the site boundaries, are impacted by Category 1 vegetation and Vegetation Buffer, as identified by Liverpool Council bushfire prone land mapping'. The development application is supported by a bushfire assessment that assesses the Proposal against NSW Rural Fire Service 'Planning for Bush Fire Protection 2006'.

Although industrial uses are not covered by Chapters 5 to 7 of NSW Rural Fire Service 'Planning for Bush Fire Protection 2019' (PBP), the aim and objectives of PBP still need to be considered and a suitable package of bush fire protection measures should be proposed commensurate with the assessed level of risk to the development. PBP provides the following advice regarding electricity services:

5.3.3 Services – Water, electricity and gas

Intent of measures: *to provide adequate services of water for the protection of buildings during and after the passage of a bush fire, and to locate gas and electricity so as not to contribute to the risk of fire to a building.*

Table 5.3c

Performance criteria and acceptable solutions for water, electricity and gas services for residential and rural residential subdivisions.

	PERFORMANCE CRITERIA	ACCEPTABLE SOLUTIONS
	The intent may be achieved where:	

ELECTRICITY SERVICES	› location of electricity services limits the possibility of ignition of surrounding bush land or the fabric of buildings.	› where practicable, electrical transmission lines are underground;
		› where overhead, electrical transmission lines are proposed as follows:
		  › lines are installed with short pole spacing of 30m, unless crossing gullies, gorges or riparian areas; and
		  › no part of a tree is closer to a power line than the distance set out in ISSC3 *Guideline for Managing Vegetation Near Power Lines*.

The following is an extract of Endeavour Energy's Company Policy 9.1.1 Bushfire Risk Management:

9.1.1 BUSHFIRE RISK MANAGEMENT

1.0 POLICY STATEMENT

The company is committed to the application of prudent asset management strategies to reduce the risk of bushfires caused by network assets and aerial consumer mains to as low as reasonably practicable (ALARP) level. The company is also committed to mitigating, the associated risk to network assets and customer supply reliability during times of bushfire whilst achieving practical safety, reliability, quality of supply, efficient investment and environmental outcomes. The company is committed to compliance with relevant acts, regulations and codes.

Accordingly the electricity network required to service the proposed development must be fit for purpose and meet the technical specifications, design, construction and commissioning standards based on Endeavour Energy's risk assessment associated with the implementation and use of the network connection / infrastructure for a bushfire prone site. In assessing bushfire risk, Endeavour Energy has traditionally focused on the likelihood of its network starting a bushfire, which is a function of the condition of the network. Risk control has focused on reducing the likelihood of fire ignition by implementing good design and maintenance practices. However the potential impact of a bushfire on its electricity infrastructure and the safety risks associated with the loss of electricity supply are also considered.

- Flooding and Drainage

Endeavour Energy has noted from the Environmental Impact Statement Effects that the site is immediately to the east of the Georges River and Floodplain and the site is flood affected but is considered flood free in relation to regional flood conditions.

The electricity network required to service an area / development must be fit for purpose and meet the technical specifications, design, construction and commissioning standards based on Endeavour Energy's risk assessment associated with the implementation and use of the network connection / infrastructure for a flood prone site. Risk control has focused typically on avoiding the threat, but where this is not possible, reducing the negative effect or probability of flood damage to assets by implementing good design and maintenance practices.

Distribution substations should not be subject to flood inundation or stormwater runoff ie. the padmount substation cubicles are weatherproof not flood proof and the cable pits whilst designed to be self-draining should not be subject to excessive ingress of water. Section 7 'Substation and switching stations' of Endeavour Energy's Mains Construction Instruction MCI 0006 'Underground distribution construction standards manual' provides the following details of the requirements for flooding and drainage in new padmount substation locations.

7.1.6 Flooding and drainage

Substations are to be located such that the risk of flooding or stormwater damage is minimal.

As a minimum the level at the top of the transformer footing, HV and LV switchgear, shall not be lower than the 1:100 year flood level.

All drains within the substation site area or in the vicinity shall be properly maintained to avoid the possibility of water damage to Endeavour Energy's equipment.

In areas where, as determined by the Network Substation Manager, there is a high water table or a heightened risk of flooding, indoor substations will not be permitted.

All materials used in the construction below the substation (ground level) shall be capable of withstanding prolonged immersion in water without swelling or deterioration.

Figure 51 - Example substation raised above 1:100 flood level

- Earthing

The construction of any building or structure (including fencing, signage, flag poles, hoardings etc.) whether temporary or permanent that is connected to or in close proximity to Endeavour Energy's electrical network is required to comply with Australian/New Zealand Standard AS/NZS 3000:2018 'Electrical installations' as updated from time to time. This Standard sets out requirements for the design, construction and verification of electrical installations, including ensuring there is adequate connection to the earth. It applies to all electrical installations including temporary builder's supply / connections.

Inadequate connection to the earth to allow a leaking/fault current to flow into the grounding system and be properly dissipated places persons, equipment connected to the network and the electricity network itself at risk from electric shock, fire and physical injury.

- Easement Management / Network Access

The following is a summary of the usual / main terms of Endeavour Energy's electrical easements requiring that the landowner:

  - Not install or permit to be installed any services or structures within the easement site.
  - Not alter the surface level of the easement site.
  - Not do or permit to be done anything that restricts access to the easement site without the prior written permission of Endeavour Energy and in accordance with such conditions as Endeavour Energy may reasonably impose.

Endeavour Energy's preference is for no activities or encroachments to occur within its easements. However, if any proposed works (other than those approved / certified by Endeavour Energy's Network Connections Branch as part of an enquiry / application for load or asset relocation project) will encroach / affect Endeavour Energy's easements or protected assets, contact must first be made with the Endeavour Energy's Easements Officer, Philip Wilson, on direct telephone 9853 7110 or alternately by email Philip.Wilson@endeavourenergy.com.au or Easements@endeavourenergy.com.au .

Please find attached for the applicant's reference copies of Endeavour Energy's:

  - Mains Design Instruction MDI 0044 'Easements and Property Tenure Rights' which deals with activities / encroachments within easements.
  - General restrictions for Overhead Power Lines.
  - Guide to Fencing, Retaining Walls and Maintenance Around Padmount Substations.

It is imperative that the access to the existing electrical infrastructure on and in proximity of the site be maintained at all times. To ensure that supply electricity is available to the community, access to the electricity infrastructure may be required at any time. Restricted access to electricity infrastructure by maintenance workers causes delays in power restoration and may have severe consequences in the event of an emergency.

- Location of Electricity Easements / Prudent Avoidance

The incorporation of electricity easements into privately owned lots is generally problematic for both Endeavour Energy and the future landowners and requires additional easement management to ensure no uncontrolled activities / encroachments occur within the easement area.

Accordingly Endeavour Energy's recommendation is that whenever reasonably possible, easements be entirely incorporated into public reserves and not burden private lots. 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.

This is also in keeping with a policy of prudent avoidance. In practical terms this means that when designing new transmission and distribution facilities, consideration is given to reducing exposure and increasing separation distances to more sensitive uses such as residential or schools, pre-schools, day care centres or where potentially a greater number of people are regularly exposed for extended periods of time.

These emissions are usually not an issue but with Council's permitting or encouraging development with higher density, reduced setbacks and increased building heights, but as the electricity network operates 24/7/365 (all day, every day of the year), the level of exposure can increase.

Endeavour Energy believes that irrespective of the zoning or land use, applicants (and Council) should also adopt a policy of prudent avoidance by the siting of more sensitive uses eg. the office component of an industrial building, away from and less susceptible uses such as garages, non-habitable or rooms not regularly occupied eg. storage areas in a commercial building, towards any electricity infrastructure – including any possible future electricity infrastructure required to facilitate the proposed development.

Where development is proposed near electricity infrastructure, Endeavour Energy is not responsible for any amelioration measures for such emissions that may impact on the nearby proposed development.

Please find attached a copy of Energy Networks Association's 'Electric & Magnetic Fields – What We Know' which can also be accessed via their website at https://www.energynetworks.com.au/electric-and-magnetic-fields and provides the following advice:

> *Electric fields are strongest closest to their source, and their strength diminishes rapidly as we move away from the source.*
>
> *The level of a magnetic field depends on the amount of the current (measured in amps), and decreases rapidly once we move away from the source.*

Typical magnetic field measurements associated with Endeavour Energy's activities and assets given the required easement widths, safety clearances etc. and having a maximum voltage of 132,000 volt / 132 kV, will with the observance of these separation distances not exceed the recommended magnetic field public exposure limits.

- Vegetation Management

The planting of large trees near electricity infrastructure is not supported by Endeavour Energy. Suitable planting needs to be undertaken in proximity of electricity infrastructure (including any new electricity infrastructure required to facilitate the proposed development). Larger trees should be planted well away from electricity infrastructure and even with underground cables, be installed with a root barrier around the root ball of the plant.

Landscaping that interferes with electricity infrastructure could become a potential safety risk, restrict access, reduce light levels from streetlights or result in the interruption of supply may become subject to Endeavour Energy's Vegetation Management program and/or the provisions of the *Electricity Supply Act 1995* (NSW) Section 48 'Interference with electricity works by trees' by which under certain circumstances the cost of carrying out such work may be recovered.

- Dial Before You Dig

Before commencing any underground activity the applicant is required to obtain advice from the ***Dial Before You Dig*** **1100** service in accordance with the requirements of the *Electricity Supply Act 1995* (NSW) and associated Regulations. This should be obtained by the applicant not only to identify the location of any underground electrical and other utility infrastructure across the site, but also to identify them as a hazard and to properly assess the risk.

- Removal of Electricity Supply

Approval for the permanent disconnection and removal of supply must be obtained from Endeavour Energy's Network Connections Branch (contact via Head Office enquiries on telephone: 133 718 or (02) 9853 6666 from 8am - 5:30pm) by Accredited Service Providers (ASP) with the relevant class of Authorisation for the type of work being carried out. The work could involve:

- The disconnection and removal of an underground service cable or overhead service line,
- Removal of metering equipment.

The written request must be submitted to Endeavour Energy using Form FPJ4603 ' Permission to Remove Service / Metering by Authorised Level 2 Accredited Service Provider' which must be accompanied by Notification of Service Works (NOSW) forms provided as a result of service work activity performed by a Level 2 ASP. The retailer must also provide written agreement for the permanent removal of supply.

For details of the ASP scheme please refer to the above point 'Network Capacity / Connection'.

- Site Contamination / Remediation

Endeavour Energy's Environmental Business Partner section have advised that the contamination of soils impacted by various forms of electricity infrastructure whilst not usually a significant risk, is not uncommon eg. transformer oil associated with leaking substations, pole treatment chemicals at the base of timber poles etc. The method of remediation is generally the removal of the electricity infrastructure, excavation of any contaminated soils and their disposal at a licensed land fill. The decommissioning and removal of the redundant electricity infrastructure will be dealt with by Endeavour Energy's Network Connections Branch as part of the application for the connection of load for the new development - please refer to the above point 'Network Capacity / Connection'.

If the applicant has any concerns over the remediation of soils impacted by redundant electricity infrastructure they should contact Environmental Business Partner section via Head Office enquiries on telephone: 133 718 or (02) 9853 6666 from 9am - 4:30pm.

- Public Safety

Workers involved in work near electricity infrastructure run the risk of receiving an electric shock and causing substantial damage to plant and equipment. I have attached Endeavour Energy's public safety training resources, which were developed to help general public / workers to understand why you may be at risk and what you can do to work safely. The public safety training resources are also available via Endeavour Energy's website via the following link:

http://www.endeavourenergy.com.au/wps/wcm/connect/ee/nsw/nsw+homepage/communitynav/safety/safety+brochures .

If the applicant has any concerns over the proposed works in proximity of the Endeavour Energy's electricity infrastructure to the road verge / roadway, as part of a public safety initiative Endeavour Energy has set up an email account that is accessible by a range of stakeholders across the company in order to provide more effective lines of communication with the general public who may be undertaking construction activities in proximity of electricity infrastructure such as builders, construction industry workers etc. The email address is Construction.Works@endeavourenergy.com.au .

- Emergency Contact

In case of an emergency relating to Endeavour Energy's electrical network, the applicant should note the Emergencies Telephone is 131 003 which can be contacted 24 hours/7 days. Endeavour Energy's contact details should be included in the Risk & Safety Management Plan.

I appreciate that not all the foregoing issues 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.

Endeavour Energy also received a letter from the Department dated 24 April 2020 advising that 'You are being notified of the proposal as you have been identified as a neighbouring landowner/occupier'.

Although Anzac Village Zone Substation is not a 'sensitive receptor' in the traditional sense of being a habitable / residential use, the electrical equipment / operation of the site would be affective by excessive / cumulative dust emissions. In particular Anzac Village Zone Substation is an 'outdoor' design and whilst the most sensitive protection, automation and control equipment is located in substation control building, the equipment in the open yard including switches, circuit breakers etc. should not be subject to excessive dust emissions eg. it could cause a flashover to occur on the insulators and start a fire in the substation. From Endeavour Energy's perspective it is imperative that the appropriate air quality management measures are implemented and adhered to in order to minimise any impact on the Anzac Village Zone Substation.

As Endeavour Energy's Anzac Village Zone Substation being a non-habitable building / site is comparatively less impacted. Whilst Endeavour Energy is not necessarily opposed to the Development Application, it will leave the determination in regard to the environmental impact and the appropriate development controls to the Department.

Could you please pass on a copy of this submission and the attached resources to the applicant? Should you wish to discuss this matter, or have any questions, please do not hesitate to contact me or the contacts identified above in relation to the various matters. Due to the high number of development application / planning proposal notifications submitted to Endeavour Energy, to ensure a response contact by email to property.development@endeavourenergy.com.au is preferred.

With the current COVID-19 health risk, as many as possible of Endeavour Energy staff are working from home. As a result there is only a small contingent located at the Huntingwood head office for essential operations. Although working from home, access to emails and other internal stakeholders is now somewhat limited and as a result it may take longer than usual to respond to enquiries. Thank you for your understanding during this time.

Yours faithfully

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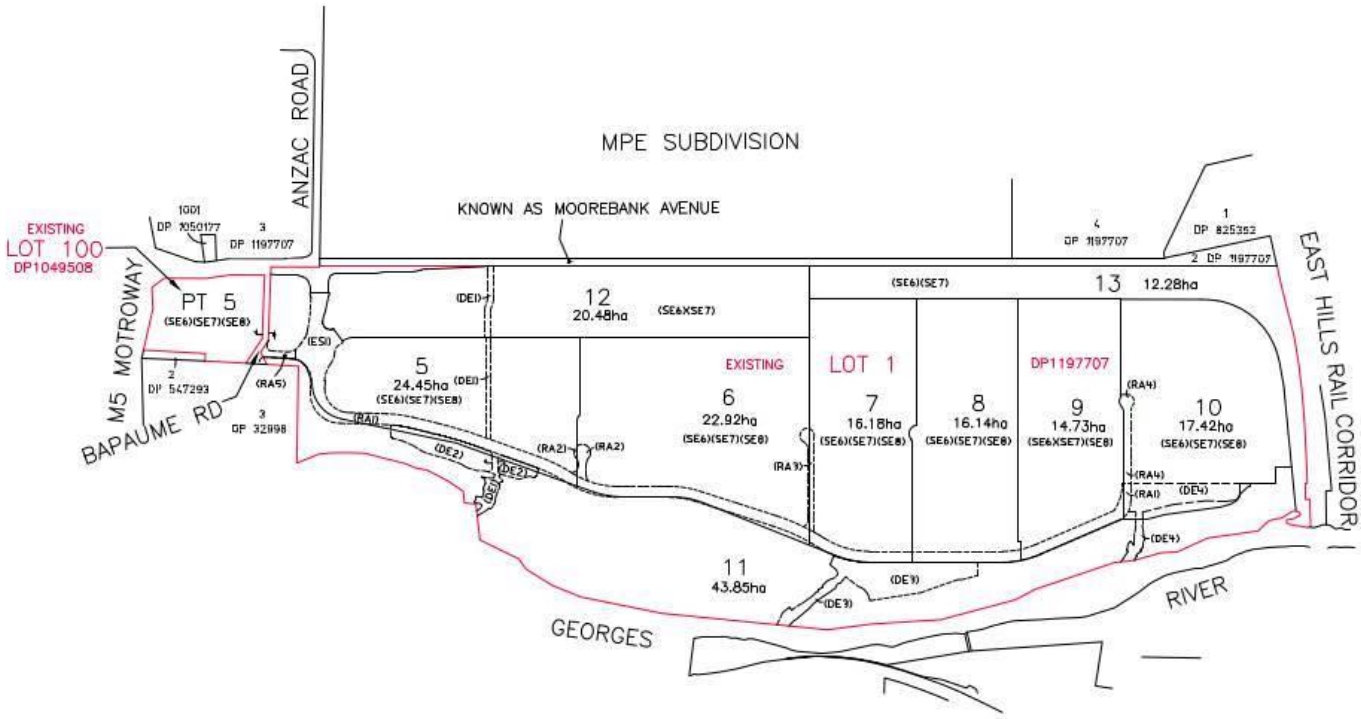
Endeavour Energy


MPE SUBDIVISION
ANZAC ROAD
KNOWN AS MOOREBANK AVENUE
EXISTING
LOT 100
DP1049508
PT 5
(SE6)(SE7)(SE8)
M5 MOTROWAY
BAPAUME RD
EAST HILLS RAIL CORRIDOR
12
20.48ha
(SE6XSE7)
13
12.28ha
(SE6)(SE7)
5
24.45ha
(SE6)(SE7)(SE8)
EXISTING
LOT 1
DP1197707
6
22.92ha
(SE6)(SE7)(SE8)
7
16.18ha
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17.42ha
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GEORGES
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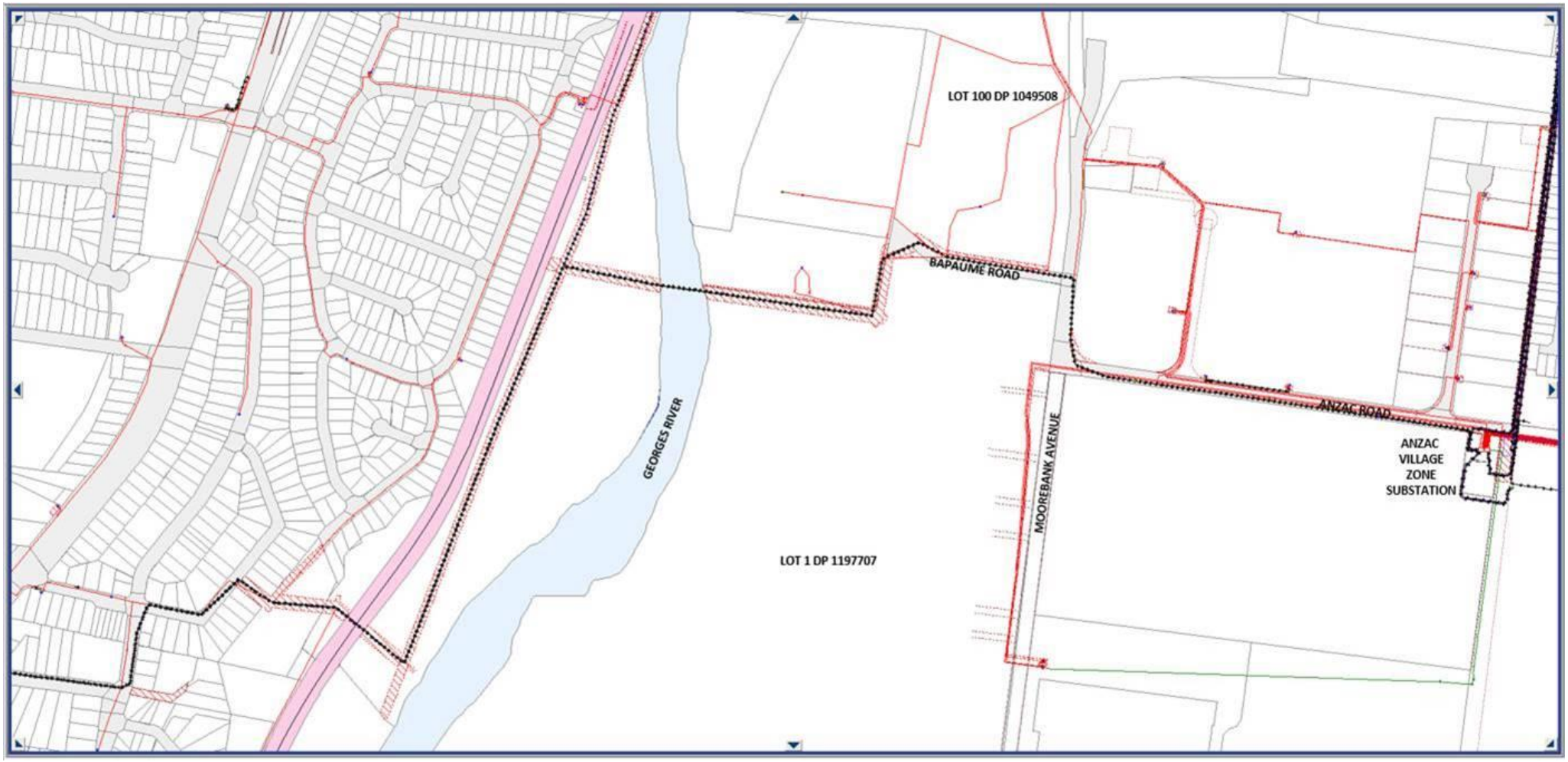
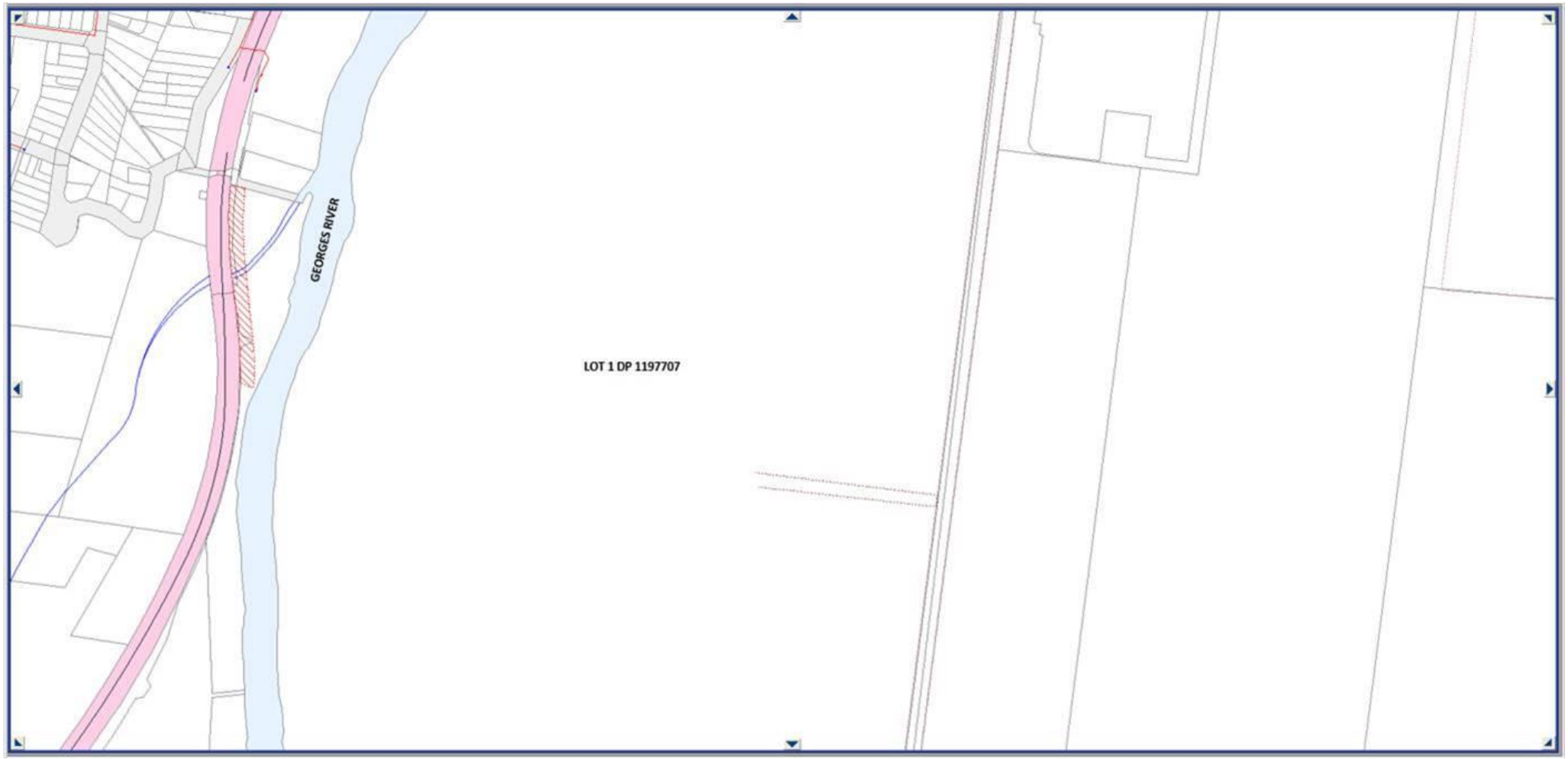
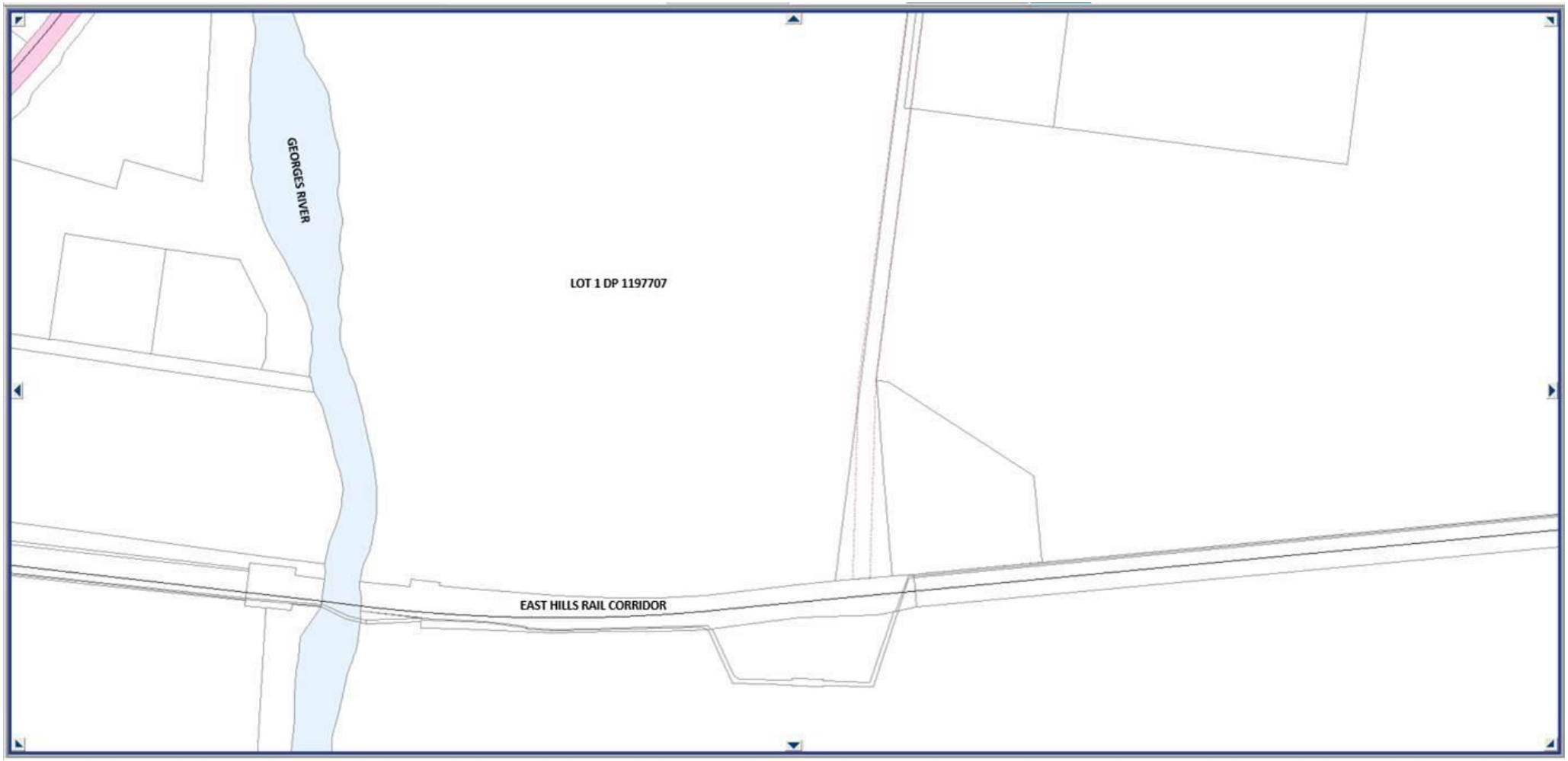

LOT 100 DP 1049508
BAPAUME ROAD
GEORGES RIVER
MOOREBANK AVENUE
ANZAC ROAD
ANZAC
VILLAGE
ZONE
SUBSTATION
LOT 1 DP 1197707


GEORGES RIVER
LOT 1 DP 1197707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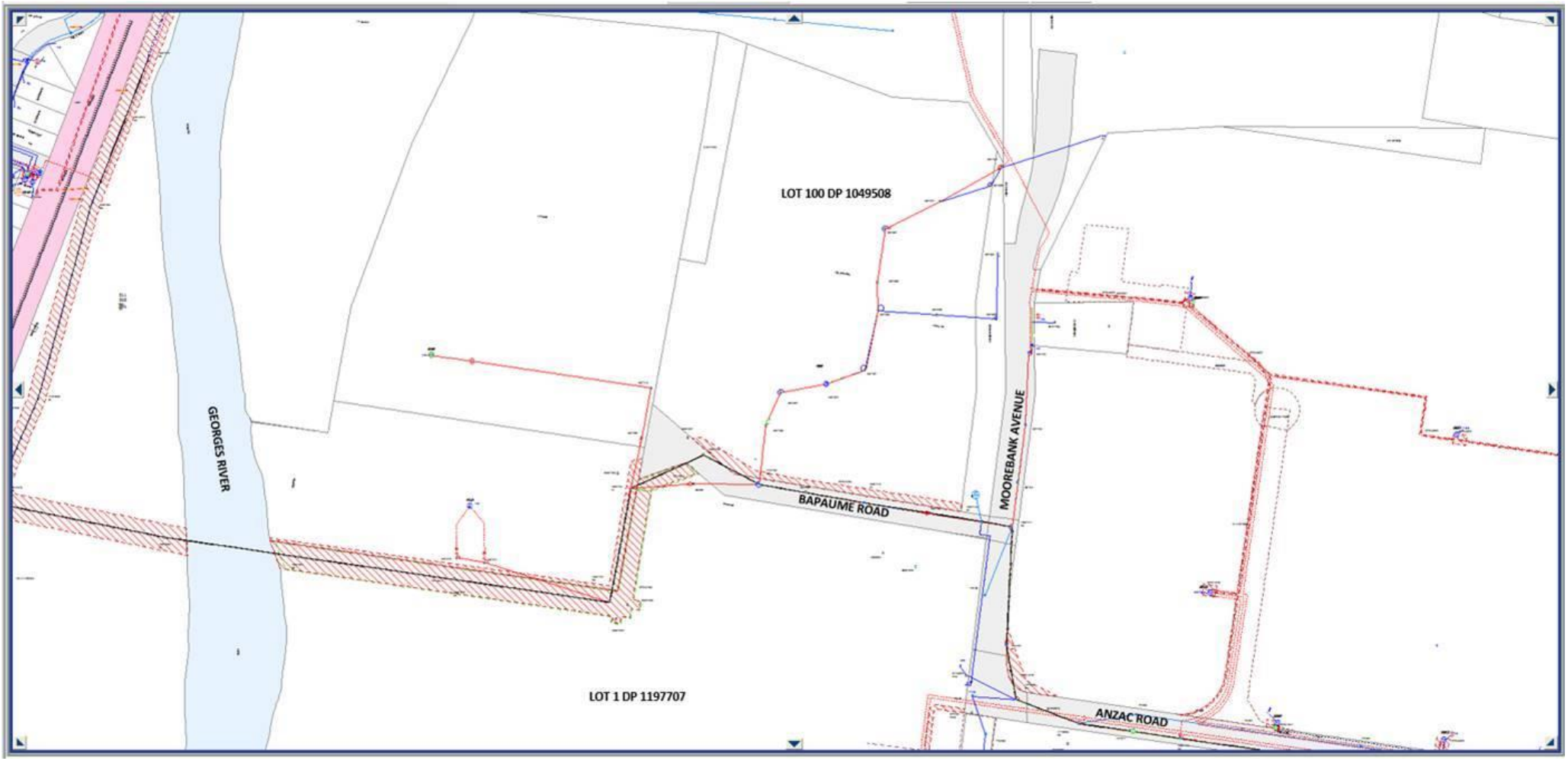
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GEORGES RIVER
BAPAUME ROAD
MOOREBANK AVENUE
LOT 1 DP 1197707
ANZAC ROAD


1 Bapaume Rd
Moorebank, New South Wales
Google
Street View
TRANSFORMING LOGISTICS
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Bapaume
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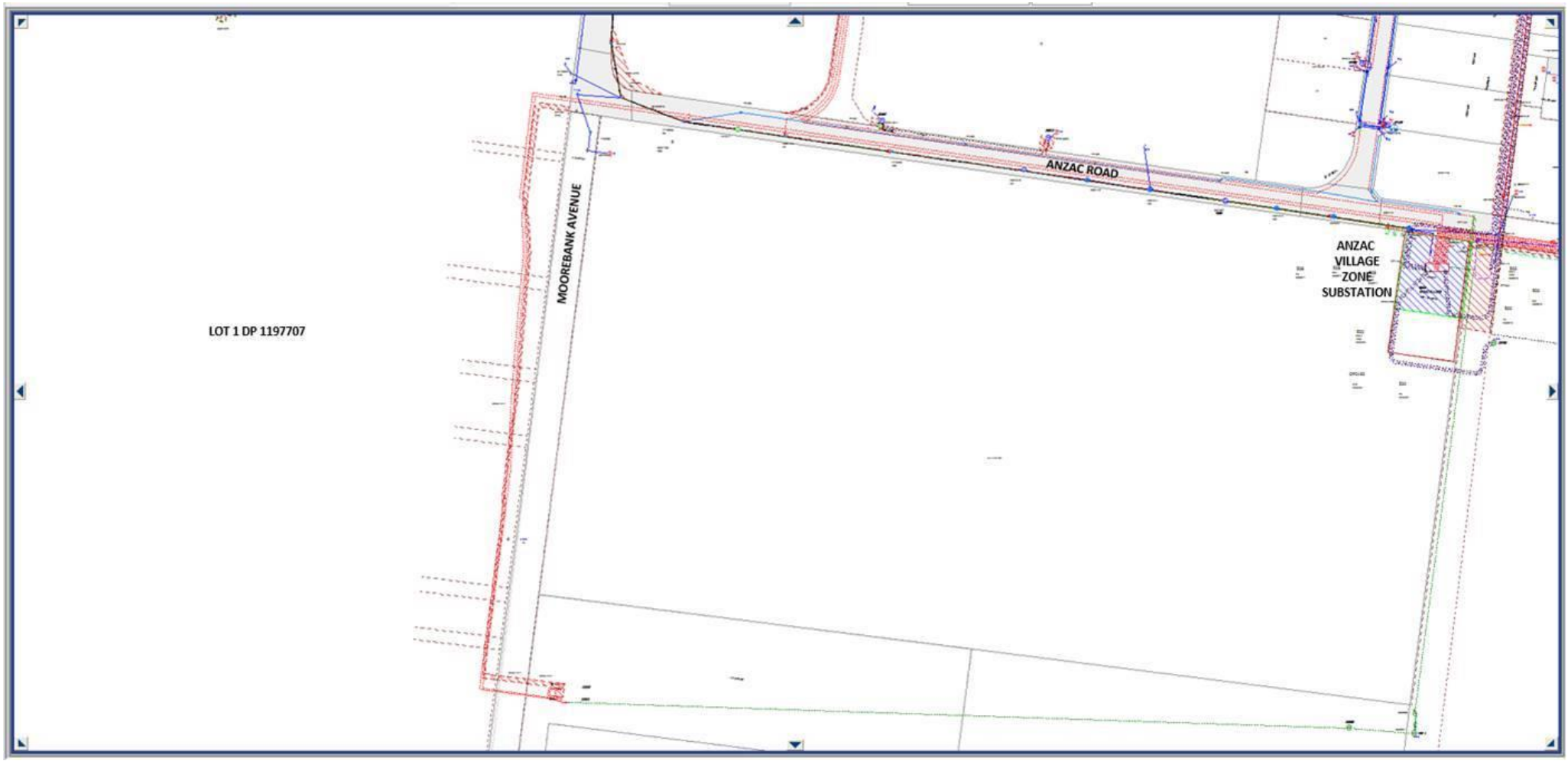
ANZAC ROAD
MOOREBANK AVENUE
ANZAC VILLAGE ZONE SUBSTATION
LOT 1 DP 1197707


Moorebank Ave
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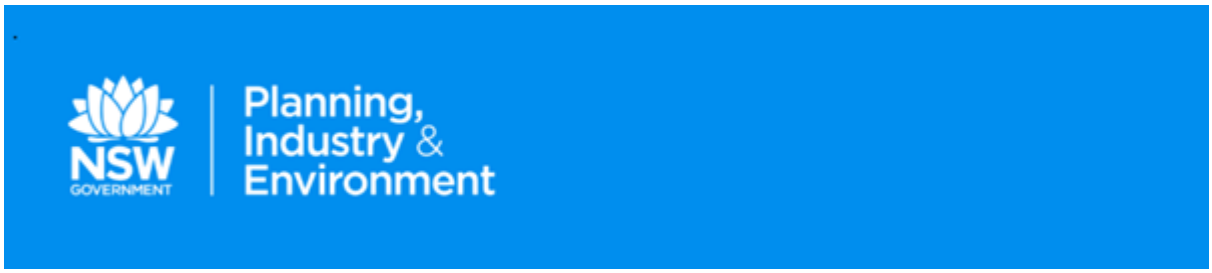
From: Erin White <Erin.White@planning.nsw.gov.au> **On Behalf Of** DPE PSVC Social and Other Infrastructure Mailbox
Sent: Monday, 27 April 2020 2:01 PM
To: Property Development <Property.Development@endeavourenergy.com.au>
Cc: Nathan Heath <Nathan.Heath@planning.nsw.gov.au>
Subject: Notice of Exhibition - Moorebank Precinct West – Stage 3 Proposal (SSD-10431) - Endeavour Energy



Attention: Ms Pat Woodbury
Network Environmental Assessments Manager
Endeavour Energy

-via email-
property.development@endeavourenergy.com.au

Dear Ms Woodbury

The Department of Planning, Industry and Environment has received an Environmental Impact Statement (EIS) for the Moorebank Precinct West – Stage 3 Proposal (SSD-10431).

The EIS will be publicly exhibited from **Thursday 30 April 2020** to **Wednesday 27 May 2020**. All relevant documents may be viewed on the Department's website at: https://www.planningportal.nsw.gov.au/major-projects/projects/on-exhibition.

The Department invites you to advise on the proposal, including advice on recommended conditions by **Wednesday 27 May 2020**.

If you have any enquiries, please contact Nathan Heath on (02) 8289 6617 or via email at Nathan.Heath@planning.nsw.gov.au.

Kind regards

Erin White
DA Coordinator, Social & Infrastructure Assessments
Infrastructure Assessments | Department of Planning, Industry and Environment
T 02 8275 1183 |
4 Parramatta Square, 12 Darcy Street, Parramatta
www.dpie.nsw.gov.au

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