

## Yogita Rijal Malla

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**From:** Carmen Cotterill  
**Sent:** Friday, 2 February 2024 11:22 AM  
**To:** Connection.enquiries@essentialenergy.com.au  
**Cc:** Yogita Rijal Malla; CommunityEngagement  
**Subject:** Forbes Housing project – Statutory Notification - NSW Land and Housing Corporation: Farnell and Dawson Streets, Forbes  
**Attachments:** Statutory Essential Energy Notification Letter - Forbes Subdivision Farnell and Dawson Street.pdf

Dear Essential Energy,

The NSW Land and Housing Corporation are notifying Essential Energy that the **Statutory Notification** for Forbes Housing Project (off Dawson and Farnell Streets) has commenced and inviting you to provide comments to the proposed subdivision.

The plans and supporting documents are available on the project page [dpie.nsw.gov.au/forbes](https://dpie.nsw.gov.au/forbes) for your review and comments.

Please email Essential Energy's comments to Yogita Rijal Malla Planner, LAHC at \_\_\_\_\_ by the 26 February 2024.

For general enquiries our Community Engagement team can be contacted on 1800 738 718 (voicemail) or by email at [CommunityEngagement@dcj.nsw.gov.au](mailto:CommunityEngagement@dcj.nsw.gov.au).

Kind regards

**Carmen Cotterill** (*she/her*)  
Senior Community Engagement Officer  
Housing Portfolio  
**Homes NSW**

[nsw.gov.au/homes-nsw](https://nsw.gov.au/homes-nsw)

4 Parramatta Square  
12 Darcy Street  
Parramatta NSW 2150

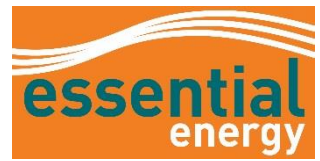
**Working days** Monday to Friday, 9:00am - 5:00pm



I acknowledge the traditional custodians of the land and pay respects to Elders past and present.  
I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

# Design Information Pack



**FOR Project: ECN-060476 Asset Relocation – FARNELL STREET, FORBES NSW 2871**

Design Information Issue Date: **04/03/2024**

Design Information Applicant Details:

**ANDREW HECKENDORF POWER SOLUTIONS (NSW) PTY LTD**  
**C106/215 Pacific Highway, Charlestown NSW, 2290**

## Introduction

Thank you for your request for design information for the proposed supply to **Lot 7332, 1166365**

**Project Address: FARNELL STREET FORBES NSW 2871**

**Customer Name: NSW Land & Housing Corporation**

## General

1. The content of this Design Information Pack has been compiled on the basis of certain conditions and restrictions. The designer shall incorporate these requirements within the electrical reticulation design prepared for certification to Essential Energy.
2. This Design Information Pack is valid for a period of 180 days from the above date. If an updated Design Information Pack is required, please submit a new request for Design Information via the Essential Connections portal under the Essential Connections number (ECN).
3. Essential Energy is providing this information in good faith, to assist you to complete designs for certification. Essential Energy cannot and does not warrant the accuracy or completeness of the information and does not accept any liability for inaccuracies or lack of information. It is the responsibility of the applicant or Accredited Service Provider to independently confirm the accuracy or otherwise, of any information.

## What you told us on your Design Information Application

Your Project Reference name: 5901

You have proposed the following description of works for this project.

Relocate existing 66kV transmission overhead. Required for proposed residential development.

## Essential Energy's Specific Design Information

Essential Energy have reviewed the information submitted in the Connection Application and the Design Information Application to compile this Design Information Pack. Our officer has also extracted data from our asset management systems to provide you with relevant information to create a design.

The regulatory category determined by Essential Energy for this project is:

**Asset Relocation or Streetlighting**

## Project Funding Arrangements

Essential Energy's policy CEOP2513.06 Connection Policy – Connection Charges sets out the circumstances in which Essential Energy requires a retail customer or real estate developer to pay the cost of connecting their premises or development to Essential Energy's network.

A copy of CEOP2513.06 can be downloaded from Essential Energy's website: [www.essentialenergy.com.au](http://www.essentialenergy.com.au).

In accordance with CEOP2513.06 the following funding arrangements will apply to this project:

Customer funded:

- All

Essential Energy funded:

- Nil

## Connection Point

The connection point on the network will be at Asset No: Pole 13896

Connection Point Voltage: Sub-Transmission (66 kV)

## Existing Asset Details

The existing High Voltage Conductor is: 66 kV 6/1/3.35 ACSR/GZ  
Existing Poles are timber.

## New Asset Details

New High Voltage conductor / cable required: 19/3.75 AAAC Neon  
New Pole Material: Concrete

## Project Specific Comments:

The application to relocate existing 66 kV Subtransmission poles and conductor near Farnell Street, Forbes has been assessed and the following site-specific design information is provided to enable a design to be developed.

The information provided within this DIP is based on the concept plan and supporting documents within the application. Should the project requirements change the DIP will need to be re-issued.

**Note:** Essential Energy has deemed the proposed Sub-transmission works to be fully contestable. However, please note that due to the sensitivity of downstream generation customers, there are additional outage considerations and restrictions on 66 kV feeder 896.

Essential Energy has deemed these assets to be critical infrastructure. The design will need to consider providing a solution that results in the least number of network outages, and ensure that outage times are reduced during the cutover staging.

### Identification:

- 66 kV Feeder 896:WJL – Fobes 132 – West Jemalong
- Location: The sub-transmission feeder runs between Forbes 132 – West Jemalong
- Asset Description: The existing 66 kV route consists of timber poles
- Proposed Relocation: The section of line impacted by the proposed development is between structures 12896 and 15896 approx. 1 km from the Forbes 132 Substation.

### Line detail:

- Phase conductors: 6/1/3.35 ACSR/GZ
- Max operating temp: 85°C
- Earthwire/OPGW – None

The new 66 kV conductor shall be Neon 19/3.75 AAAC.

Conductor clearances must be checked and assessed against the relevant standards Essential Energy standard CEOM7081 under the blowout condition "35 degrees and 500 Pa wind" and maximum operation temperature (85 degrees).

Essential Energy's preference is for steel or concrete poles to be used for all applications. Each pole is to be earthed and pole footing designs are to be accompanied by a Geotech report. This report is to be relative to the specific pole installation locations, not generic for the subdivision.

If the pole requires replacement and the conductors are detached from the existing supporting structure and reattached to a new supporting structure, the construction plan is to include a profile of the existing line showing details of the poles and conductor heights. Conductor stringing information shall also be supplied in the form of a stringing chart or within the drawing detail to allow the existing conductors to be attached and correctly tensioned to the new support structure.

Neara may be used to design Sub-Transmission lines where ruling span analysis is acceptable. This typically includes single wood, concrete, and steel poles. Currently Neara may not be used to submit designs where Finite Element Analysis is required, such as use of H Frame structures, other braced or dual pole structures or towers, or where pole flexibility is a design consideration such as un-stayed strain structures across large spans, e.g., unstayed river crossings.

Additional standard poles are to be utilised with shorter span length rather than introduce greater length poles. There will be situations where longer poles are required, and Essential Energy should be consulted where the designer wishes to use non-standard poles.

A geotechnical survey to determine the suitability of soil for structure foundations may be required as outlined in CEOM7081. This report is to be relative to the specific pole installation locations, not generic for the subdivision.

The concrete must be allowed to cure for at least 28 days before load is applied to the structure (conductors etc. are attached). Where small sections of new line i.e. a line that only contains several poles are built, a higher strength concrete (up to a maximum of 40mpa) may be used, so that the cure strength of 25MPa can be achieved in a shorter timeframe. This is to be noted on the construction plan.

Essential Energy prefers that external parties do not attach power or telecommunications to any subtransmission pole, tower, or structure. Any external party that wishes to attach to these poles shall provide a written proposal to Essential Energy with sufficient technical information and justification (including alternative options) to allow Essential Energy to assess the proposal and to assess the impacts of the proposal on our network. This is to be assessed via a Non Standard Approval Request.

The route shall be pegged or otherwise marked in a manner acceptable to Essential Energy, before starting any construction/excavation.

Poles must be located on substantially level ground where they will be readily accessible for any future repairs or maintenance and clear of driveways or obstructions wherever possible. The bottom of hills or low-lying areas should be avoided.

The designer will determine the location and extent of any access tracks, tree clearing, or excavation required for the construction, ongoing operation, and maintenance of Essential Energy assets as part of the design works. Essential Energy has the responsibility to advise landowners of the location and extent of any access tracks, tree clearing, or excavation required for the construction and ongoing operation and maintenance of the assets. The designer will be required to liaise with the responsible Essential Energy staff member in these activities.

A minimum clear space shall be provided around network assets including poles in accordance with the clearances required in Section 8 of the Easement policy CEOP8046, irrespective of whether an easement exists at the site.

The provided concept indicates that pole NP1 and associated conductor to NP2 will be situated inside of Lot 152. Due to access requirements for future maintenance activities, it is requested that land be gifted as a council reserve or similar, to avoid assets on or over private property.

Easements may still be required over the assets located close to Lots 152 and 153 as well as along the lot frontages of lots 123-135. Consent forms from all landowners agreeing in principle to any proposed easements affecting their lot shall be included with the design submission. As per CEOP8046 the required easement width for a 66 kV overhead line is 30m.

A project note shall be added to the design drawing stating all easements as detailed on this drawing are required to be registered prior to Essential Energy issuing a Notice to Commence Construction (NTCC).

Where easements aren't required, the proposed route must be fully contained within the roadside reserve including under blowout conditions in compliance with AS/NZS7000. If this is not achievable, an easement will be required over any affected properties. Please include details of the pole offset from the boundary and maximum blowout on the construction plan.

The relocated assets shall, as a minimum requirement, meet the clearances and spacing's provided in publication AS/NZS7000, Essential Energy's Overhead Construction Manual document CEOM7106.25 (NSW), CEOM7106.26 (QLD), CEOM7106.27 (VIC) and Table 7.7.1 of CEOM7081 to any existing building or infrastructure.

New/Relocated poles to be positioned outside of the clear zone as per CEOM7081 section 6.7. If clear zone cannot be achieved, approval of pole positioning from relevant road controlling authority will be required prior to design certification. Pole setback distances from kerb (edge of traffic lane for un-kerbed roads) to be detailed on drawing.

Level 3 ASP to apply pole conditions / wall diameters as detailed in pole report using a suitable Design software program to ensure existing poles are compliant with AS7000 and Essential Energy's design and construction standards. Should any poles associated with the proposed works fail strength validation checks due to the network augmentation the pole/s will need to be replaced.

Level 3 ASP to ensure that the Forbes Depot is selected when importing the environments spreadsheet data into the NEARA model.

Essential Energy subtransmission lines are to be designed for a one in one-hundred-year return period (RP) for regional wind speeds: RP=100 years as per CEOM7081 section 6.1.

Pole/s being replaced is the same location (or relocated < 5m) shall retain their existing asset number/s. The current label may be transferred to the new pole provided this can be achieved with the labels in a serviceable condition. If an existing label is to be reused and it is in poor condition, the ASP should complete CEOF5132 Asset & Operational Existing Label Replacement order form and email it to [ASPInfo@essentialenergy.com.au](mailto:ASPInfo@essentialenergy.com.au) to arrange a replacement label.

A site assessment will determine if vegetation clearing is required. If it is determined that vegetation removal is required, this shall be in accordance with CEOP2010 - Vegetation Clearing Guidelines for New Powerlines. Any removal of vegetation shall be fully assessed using the EIA screening tool CEOF1070.02. Depending on the type and quantity of the vegetation removal, the services of an Environmental specialist may be required to determine the likely impact and associated controls required.

Any impact upon environmentally sensitive areas will require specific consideration and approval from the relevant authority. Examples of sensitive areas are:

- Crown reserves and roadways.
- National parks.
- State forests.
- Areas listed under Commonwealth regulations, NSW regulations, SEPPs and Lap's eg: wetlands, heritage vegetation; and
- Waterways.

Consideration and approval in these areas may require the completion of a review of environmental factors (REF) and possibly an Environmental Impact Assessment (EIA). If tree trimming is required (or likely to be required), the ASP should complete the Essential Energy REF worksheet for Essential Energy to approve. The REF should also consider if the removal has potential to impact upon threatened species or their habitat and complete assessments of significance as per section 7.3 of the Biodiversity Conservation Act 2016 and/or EPBC Act.

Notifications to be sent to all residents adjacent to the work area. The work area is the area where work is being undertaken on the electricity network. Examples include but not limited to pole installations/replacements, conductor installation/upgrades & re-tensioning, pit/pillar & UG cable installations etc. Customers who have been notified of the proposed works shall be detailed in Essential Energy's Review of Environmental Factors worksheet (CEOF1070.02) Section 1.15 and copies of customer consultation provided in the Design Submission documents. Where no response is received from a notification issued, this shall be detailed in CEOF1070.02 section 1.15.

Materials may be purchased from EE, if available, including standard poles.

Enquiries for purchase and availability of EE approved material items may be made to: EE External Sales Officer

Ph: 02 6883 4596

Email: [externalsales@essentialenergy.com.au](mailto:externalsales@essentialenergy.com.au)

### **Subtransmission Design Standards.**

All designs are to be carried out to EE standards, as detailed in the manuals listed below:

- Division Manual: Subtransmission Line Design Manual CEOM 7081

In Absence of relevant EE standards, the minimum design requirements will be as per Australian Standard AS/NZS 7000 : 2010 "Overhead line design – Detailed procedures."

## Ancillary Network Service (ANS) Fees

Ancillary Network Service fees for this project are calculated in accordance with the Australian Energy Regulator (AER), Charges for Monopoly Services.

Your client is to be advised of any Ancillary Network Service fees applicable to this project.

Total fees for this Design Information Pack are **\$1,876.80**

*Note the invoice will detail the fee type and hours charged for completing this Design Information Pack.*

Other fees that may be applied to this project are listed in the document titled 'Price Schedule for Ancillary Network Services' that can be found at Essential Energy's website: (<http://www.essentialenergy.com.au/content/electricity-network-pricing-and-information>).

**\* Note - ANS fees exclude GST and are subject to annual price increases in accordance with the National Regulatory Framework. Care should be taken to select the fee appropriate to this project type. Design certification fees will be based on the date of receipt of a complete and correct submission for certification. All other fees will be based on the work completion date. (eg. date of outage, commissioning, inspection).**

## Asset Labels

Reuse existing labels for assets that are replaced or substations that are upgraded in the same location. Additional asset labels may be obtained by submitting an asset label request via the Essential Connections portal.

## Pioneer Scheme - Reimbursement

### General

AER requires that Essential Energy administer a Pioneer Scheme from 1 July 2014 in accordance with the requirements of the AER Connection Charge Guidelines for Electricity Retail Customers – Under Chapter 5A of the National Electricity Rules, and Essential Energy's Connection Policy as approved by the AER.

Requirements of the Pioneer Scheme are outlined in Essential Energy's document *CE02513.06 Connection Policy – Connection Charges*.

### Project specific

The customer is required to complete and sign a *CEOF6283 Pioneer Scheme Application Form* regardless of whether a pioneer scheme is being implemented or not. The Level 3 ASP must submit the form with the design package for certification.

Essential Energy's records indicate that there **is not** a pre-existing pioneer scheme attached to the infrastructure where you request a connection.

The amount payable to Essential Energy by your customer is **\$0.00**

## GENERAL DESIGN INFORMATION

### Easements

The Level 3 ASP should consider easement requirements during the design route analysis.

The customer is responsible for all costs associated with the easement creation including solicitor fees, surveying costs and compensation payable to affected landowners.

Where easements are to be created outside of land to be subdivided, satisfactory arrangements must be in place prior to the level 1 ASP applying to commence construction. Where all easements are contained within land to be subdivided, construction can commence prior to the execution of easement documents however, easements will need to be executed prior to applying for a Notice of Arrangement. For further information, please refer to *CEOP8046 - Easement Requirements*.

Where satisfactory arrangements have not been made at time of certification for easements outside of land to be subdivided, a *CEOF9082 – Customer Funded Project: Consent Form* shall be provided.

Easements over Crown land, Crown roads or waterways must be obtained by Essential Energy through the compulsory acquisition process, in accordance with the procedures set out in the Land Acquisition (Just Terms Compensation) Act 1991 (NSW). Please contact Essential Energy's Conveyancing team for further advice or go to the Easements area of the Essential Energy website which contains an information sheet for crown land easements.

## Materials

All materials specified in the design must comply with *CEOM7004 – Materials Inventory: Contestability (Approved)*

Non-standard materials may only be used with written permission from Essential Energy. Where a non-standard material is required, please submit a non-standard approval request via the Essential Connections portal under the Essential Connections number (ECN). Your request should include full details for justification and engineering certification where required.

All assets to be removed from Essential Energy's network within this project are to be nominated on the operational form *CEOF2098 – Returned Materials Checklist* and returned to the closest Essential Energy depot, nominated by the Network Assurance Facilitator.

## Network Optimisation

The Level 3 ASP must ensure that the design is carried out in such a way as to optimise future network operating and maintenance costs rather than solely minimising initial connection costs. Consideration should be given to utilising or upgrading existing assets (eg. poles and transformers) where possible.

When assessing connection proposals, Essential Energy will use network optimisation considerations to determine which connection proposals are acceptable.

## Subdivision lots

The electrical supply requirements for urban residential subdivisions shall be designed and planned to avoid future disruptive augmentation work. Where newly created lots have the potential to be further subdivided, consideration should be given to providing electrical service points at either property boundary in order to facilitate this requirement. It is important that communication with the responsible developer is maintained throughout the design process to ensure the ongoing electrical requirements for the project are met, where they change Essential Energy should be notified.

As a minimum the designer should include the installation of conduits from a designed LV distribution point to any potential future supply point. This consideration is related to larger prestige or corner lots which would meet the requirements of the local council for a further subdivision of land to occur.

## Other Services

The Level 3 ASP must carry out a Before You Dig search and is responsible for ensuring that the design does not impact on other services, e.g. telecommunication, gas, water etc. BYDA information should be clearly shown on the design.

In the event the works or design needs to be varied, amended or rectified due to a conflict with other services, the Level 3 ASP is responsible for any subsequent re-design required.

The Level 3 ASP must also ensure that the design will not conflict with proposed services to be installed in conjunction with the development.

## Third Party Attachments

Essential Energy has existing joint use arrangements and operates Facilities Access Agreements (FAA's) within its network that allows third party attachments to use Essential Energy assets, for example - optical fibre or telecommunications equipment. It is the Level 3 ASP's responsibility to identify and verify third party attachments and



communicate with the third party as part of the design process. Where third party attachments are within the project scope this should be identified on the construction plan.

The Essential Energy form *CEOF6586 – Advice of Pole Maintenance* is available on the Essential Energy's document library and contains contact information for the level 3 ASP, this form should also be used by the level 1 ASP as part of notification for construction. Connection applicants should be aware that they will be responsible for any fees associated with relocation works required by the attachment owner.

## Approvals

The Level 3 ASP must seek approvals from the local council, all road controlling authorities and any land occupier affected by the proposed electrical works. The Electricity Supply Act 1995 (NSW), State Environmental Planning Policy (Transport & Infrastructure) 2021 (NSW) and the Roads Act 1993 (NSW) have specific requirements in this regard.

In accordance with Section 45 of the Electricity Supply Act, notification of the proposed works must be given to the local council. The council is allowed up to 40 days to comment and the ASP must duly consider all responses received.

In accordance with Division 5, Section 2.45 of the State Environmental Planning Policy (Transport & Infrastructure) 2021, notification of proposed substations, or works on an existing substation, must be given to both the local council and to occupiers of all adjacent land. The council and adjacent landowners are allowed up to 21 days to comment. The Level 3 ASP must duly consider all responses received.

For works in, on or over a classified road, Section 138 of the Roads Act requires the proponent to obtain consent from the appropriate road controlling authority, and either consent, or concurrence from TfNSW. Copies of notices to the local council and occupiers of adjacent land, any comments received or a letter stating that no response was received, and any required consent letters are to be provided to Essential Energy within the certification package.

Copies of notices to TfNSW (and other road controlling authorities where applicable) and the written consent received must be provided to Essential Energy with the certification package for any works on classified roads.

## Environmental Impact Assessment

An environmental impact assessment of the project will be required. The assessment is to be completed in accordance with *CECM1000.70.- Environmental Impact Assessment – NSW*.

A completed *CEOF1070.01 Environmental Impact Assessment: Screening Worksheet* or *CEOF1070.02 Review of Environmental Factors Worksheet*, must be submitted with the design construction plans for certification by Essential Energy. An information *sheet CEOF1070.02a REF Worksheet: Information Sheet for use by Accredited Service Providers* is available in Essential Energy's online document library to assist ASPs with the completion of the environmental impact assessment.

Please ensure all supporting documentation such as threatened species searches, evidence of community consultation, and notifications to council are included in the submission package.

## Vegetation Management

*CEOP2010 Vegetation Clearing Guidelines for New Power Lines* outlines the requirements for the clearing of vegetation prior to the installation of new overhead and underground powerlines. The document details responsibilities of Level 3 ASPs in the preparation of their design.

If the project requires the clearing (or trimming) of vegetation, the Level 3 ASP must:

1. Ensure their EIA contains details of the required clearing and approvals for the work.
2. Specify the width of the required Clearing Zone taking into account the minimum Clearing Zone dimensions and other factors such as conductor blowout.

The Level 3 ASP shall ensure that site specific vegetation to be cleared is marked on the plan view of the design drawings. The plan shall include:

- The location of vegetation to be removed relative to the proposed power line location.
- The location of vegetation that is requested to remain by the Level 3 Accredited Service Provider.

- Locations of any additional clearing required for conductor blowout.
- Any offsets in the clearing zone as a result of steep slopes etc.
- Any site specific environmental or safety hazards identified during the field inspections and by the Environmental Impact Assessment

Clearing works must not commence until design certification has occurred.

## Earthing

- All earthing shall comply with the Essential Energy's policy CEOM5113.02 High Voltage A.C. Distribution Earthing Procedure.
- All earthing designs shall be based on Essential Energy's distribution earthing design software package (Neutron). A copy of the Neutron software package is available on request through [neutron@essentialenergy.com.au](mailto:neutron@essentialenergy.com.au).
- Level 3 ASPs are required to print an Earthing Report from Neutron and submit it with the design construction drawings for certification.
- Full details of the earthing design must be included on the design drawing.
- Should the customer be upgrading an existing substation, then the suitability of the existing earthing should be assessed for compliance with the current standards. If the existing earthing does not comply, it must be upgraded accordingly.

## Design Certification

Please note the following information regarding design package submissions:

1. In addition to specific requirements outlined in the aforementioned clauses, the design package shall be prepared in accordance with the technical design requirements as specified in Essential Energy's design and construction standards.
2. All relevant documents shall be submitted with the design for certification. (See Required Documents Schedule)
3. Essential Energy will carry out an initial review of the design package and issue certification of the design drawing to indicate that the package is compliant.
4. If it is found that the design package is not compliant with Essential Energy's technical or drawing standards, or specific design requirements, the design submission will be returned to the applicant for amendments. Design rechecking charges will be applied.
5. Certification will remain valid for a period of 6 months. If construction of the proposed works has not commenced before this period expires, the design package must be updated and re-submitted for certification prior to submission of the Notice to Commence Construction.

In certifying any design, Essential Energy makes no warranty, express or implied, that the design is:

1. Fit for its intended purpose
2. Suitable for the site conditions
3. Free of design defects (i.e. errors and omissions)

The Level 3 ASP (and Level 1 ASP at commencement of construction) acknowledges that Essential Energy has not inspected the site, and therefore, is unfamiliar with the site conditions.

Design certification is granted exclusively based on the submitted design with respect to the construction standards in force at the time. It has no reference to any underlying assumptions or conditions.

Responsibility for the correctness and suitability of the design remains with the Level 3 ASP after certification. Essential Energy will request the Level 3 ASP to correct any design defects discovered after certification is granted and resubmit the design package for certification. Design rechecking charges will be applied.

## Schedule of Documents to be submitted with the Certification Package:

- Electrical Plan For Certification (in pdf and dwg format)
- Profile Design Report and Tip Load Calculations
- Designer Safety Report
- RMS/Other Authority Notification
- RMS/Other Authority Consent
- CEOF9082 - Customer Funded Project - Consent Form
- CEOF9093 - Consent Form - Schedule of Works Required
- CEOF1070-01 - Environmental Impact Assessment - Screening Worksheet
- CEOF1070.02 - Review of Environmental Factors Worksheet
- CEOF2098 - Company Form (Network) Returned Redundant Materials Check List
- CEOF6283 - Contestable Works - Pioneer Scheme Application
- AHIMS Report
- Flora/Fauna Search Results
- Dial Before You Dig (DBYD) Report/Reference Number
- Enhancement Letters
- Section 45 Notifications
- Section 45 Responses

Essential Energy forms are available at: <https://www.essentialenergy.com.au/partners/contestable-work>

Incomplete or incorrect certification packages will be returned to the nominated Level 3 ASP to action (Design rechecking charges will apply to subsequent submissions).

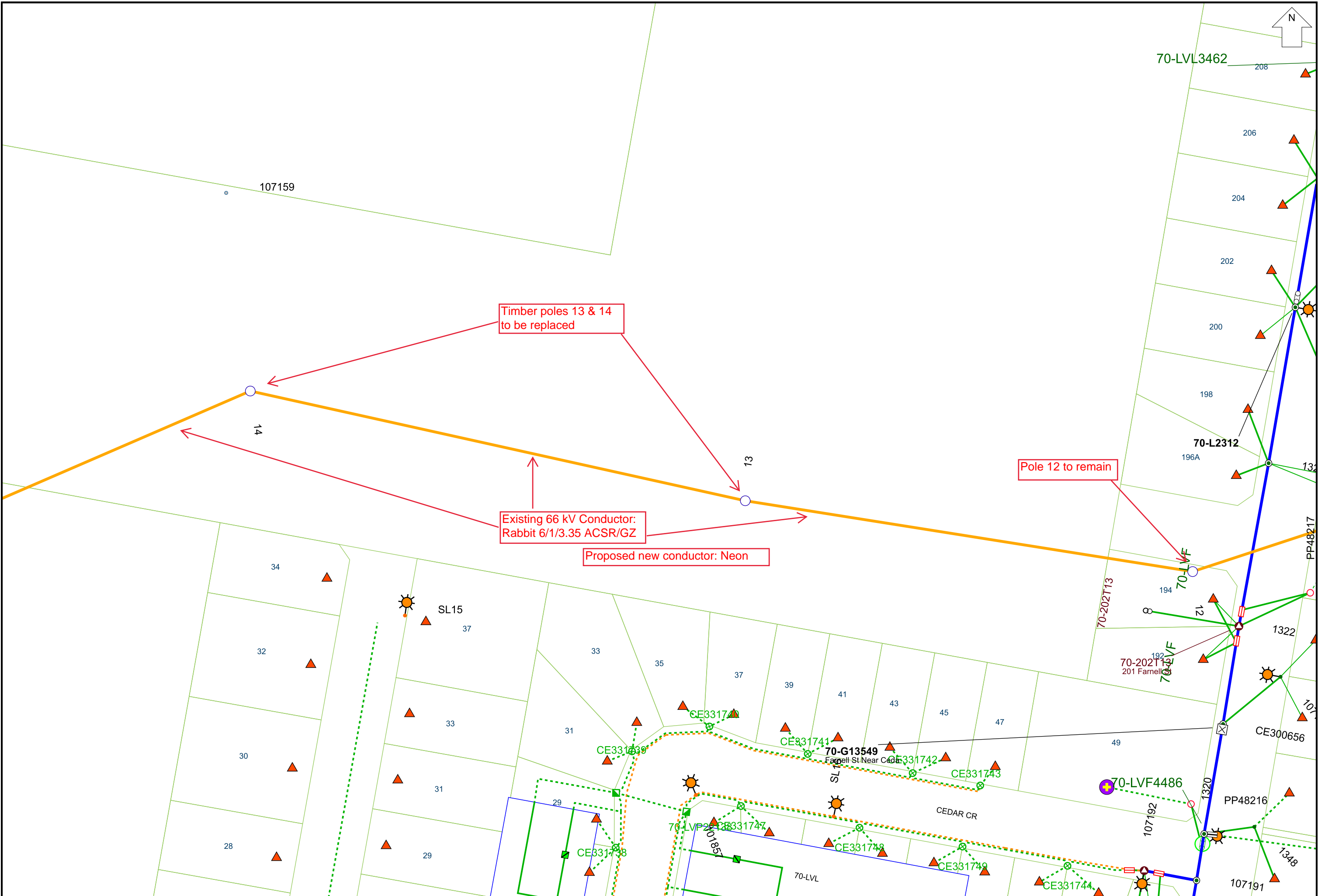
Design information issued by **Name:** Ben Dalgarno Fixter

**Contact Number:** [ben.dalgarnofixter@essentialenergy.com.au](mailto:ben.dalgarnofixter@essentialenergy.com.au)

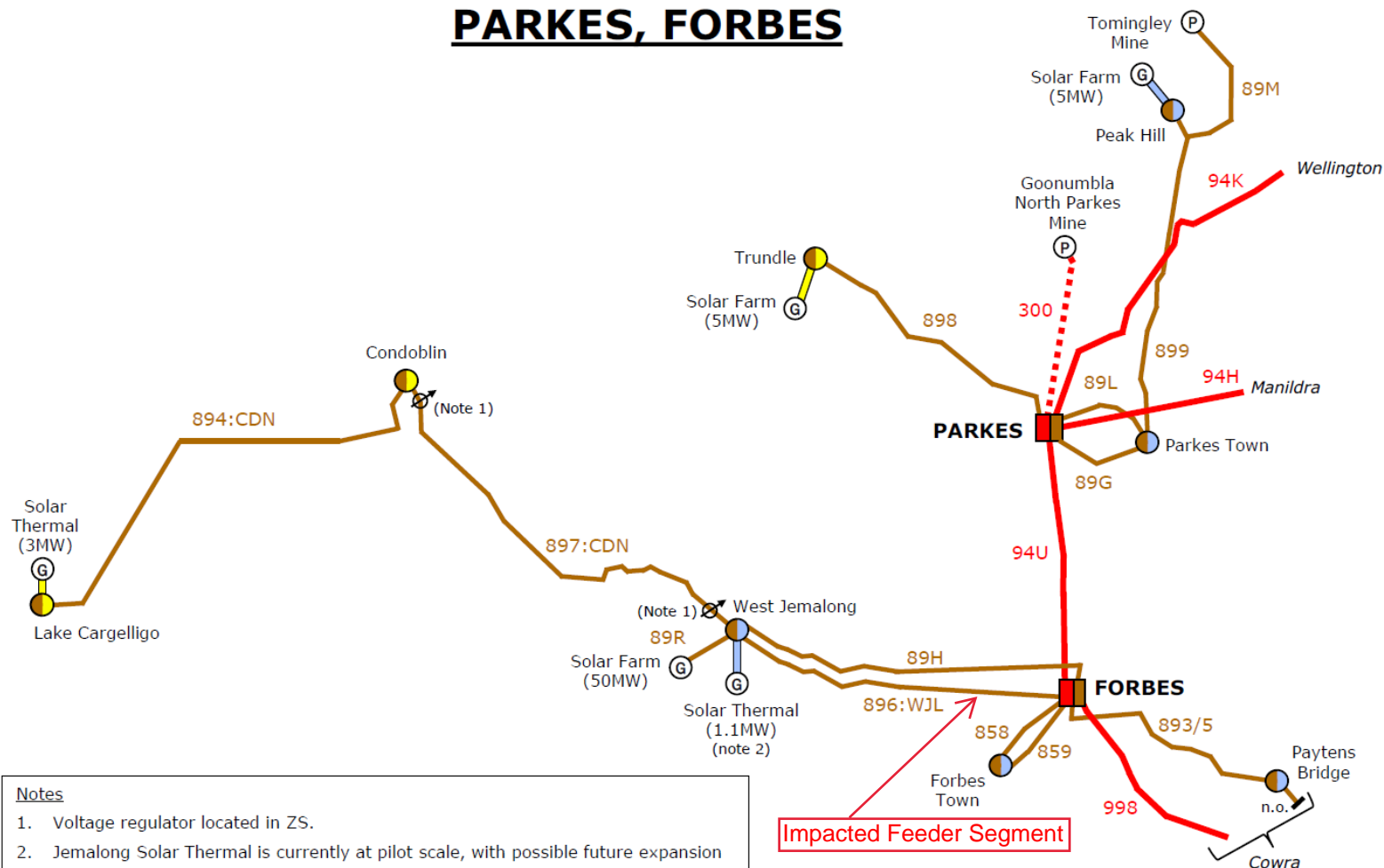
Please note that I do not currently have a mobile.  
If you would like to contact me please reach out via email.

## List of attachments:

- Smallworld
- DAPR (Subtrans SLD)
- Pole Data
- Environmental Report



## PARKES, FORBES



### TransGrid Subs

132/66kV

### Essential Energy Zone Substations

66/22kV

66/11kV

(P) Private Substation

(G) Generator

### Transmission & Sub-trans. Lines

**TransGrid**

132kV

**Essential Energy**

132kV

66kV

22kV

11kV

| Asset Label | Vicinity                      | Maint Area | Depot Area   | Owner            | Service Status | AG           | Conductor Code          | CZ           | Footing Type | Pole Length | Pole Material | Pole Strength | Pole Type                  | Reinforcement      | Undergr        | Wall          |
|-------------|-------------------------------|------------|--------------|------------------|----------------|--------------|-------------------------|--------------|--------------|-------------|---------------|---------------|----------------------------|--------------------|----------------|---------------|
|             |                               |            |              |                  |                | Diamet<br>er |                         | Diamet<br>er |              |             |               |               |                            |                    | ound<br>Cables | Thicknes<br>s |
| 11 896      | Andrew Peet Park Jacaranda St | Forbes 896 | Forbes Depot | Essential Energy | In Service     | 370          | Rabbit 6/1/3.35 ACSR/GZ | 370          | Normal       | 17          | Timber        | Unknown       | Natural Round              | C-Splint 300-53 kN | None           | 90            |
| 12 896      | 194 Farnell St                | Forbes 896 | Forbes Depot | Essential Energy | In Service     | 400          | Rabbit 6/1/3.35 ACSR/GZ | 400          | Normal       | 17          | Timber        | Unknown       | Natural Round              | None               | None           | 180           |
| 13 896      | Farnell St Near Belah St      | Forbes 896 | Forbes Depot | Essential Energy | In Service     | 330          | Rabbit 6/1/3.35 ACSR/GZ | 330          | Normal       | 17          | Timber        | Unknown       | Natural Round              | None               | None           | 160           |
| 14 896      | Farnell St Near Belah St      | Forbes 896 | Forbes Depot | Essential Energy | In Service     |              | Rabbit 6/1/3.35 ACSR/GZ |              | Normal       | 20          | Timber        | 8             | Copper Chrome Arsenic(CCA) |                    | None           |               |
| 15 896      | Morton St Cleal's             | Forbes 896 | Forbes Depot | Essential Energy | In Service     |              | Rabbit 6/1/3.35 ACSR/GZ |              | Normal       | 17          | Timber        | 6             | Copper Chrome Arsenic(CCA) |                    | None           |               |

# Environmental Report

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Officer: bdalgarn

Date/time: 11/01/2024 15:48 PM

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## Searched Datasets

|                                  |   |
|----------------------------------|---|
| Acid Sulphate Planning:          | 0 |
| Acid Sulphate Soil Map:          | 1 |
| Aquatic:                         | 0 |
| Atlas of Fauna:                  | 0 |
| Atlas of Flora:                  | 0 |
| RFS-LGA Fire Zone:               | 0 |
| Conduit:                         | 0 |
| Contaminated Site:               | 0 |
| Cubicle:                         | 0 |
| Disconnecting Link:              | 0 |
| Forest Management Zone:          | 0 |
| Fuse - O/H:                      | 0 |
| Land Council Area:               | 1 |
| LEP:                             | 3 |
| LEP Clause:                      | 0 |
| Mangrove:                        | 0 |
| Marine Park:                     | 0 |
| Mine Subsidence Area:            | 0 |
| Naturally Occurring Asbestos:    | 0 |
| NSW Heritage Register:           | 0 |
| Review of Environmental Factors: | 0 |
| REP:                             | 0 |
| National Park Area:              | 0 |
| Salt Air:                        | 0 |
| SEPP:                            | 0 |
| SL Control Box:                  | 0 |
| State Forest:                    | 0 |
| State Forest Management Areas:   | 1 |
| State Forest Section 15:         | 0 |
| State Forest Section 7:          | 0 |
| Substation Site:                 | 0 |
| Timber Reserves:                 | 0 |
| Water Catchment Area:            | 1 |
| Wetland:                         | 0 |

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## Acid Sulphate Soil Map

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| <b>Id</b> | <b>Tag</b> | <b>Probability</b> | <b>Landform Process</b> | <b>Landform Element</b> | <b>Elevation</b> | <b>Additional</b> | <b>Perimeter</b> | <b>Area</b>             |
|-----------|------------|--------------------|-------------------------|-------------------------|------------------|-------------------|------------------|-------------------------|
| 943597    | Cq(p4)     | C                  | sulfidic material       | ASS in inland lakes,    | q                | p                 | 124.141 km       | 273.342 km <sup>2</sup> |

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## Land Council Area

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| <b>Name</b> |
|-------------|
| PEAK HILL   |

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## LEP

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| <b>ID</b> | <b>LEP Name</b>                      | <b>LGA Name</b> | <b>LGA Code</b> | <b>Plan Description</b> | <b>Zone No</b> | <b>Current Date</b> | <b>Supply Date</b> | <b>Published Date</b> | <b>Commencement Date</b> |
|-----------|--------------------------------------|-----------------|-----------------|-------------------------|----------------|---------------------|--------------------|-----------------------|--------------------------|
| 475190    | LEP Load Area                        |                 |                 |                         |                |                     | 17/12/2017         |                       |                          |
| 417033    | Forbes Local Environmental Plan 2013 | FORBES          | 2900            | Primary Production      | RU1            | 05/02/2016          | 17/12/2017         | 09/08/2013            | 09/08/2013               |
| 433295    | Forbes Local Environmental Plan 2013 | FORBES          | 2900            | General Residential     | R1             | 05/02/2016          | 17/12/2017         | 09/08/2013            | 09/08/2013               |

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## State Forest Management Areas

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| <b>ID</b> | <b>Management Area ID</b> |
|-----------|---------------------------|
| 863       | 20                        |

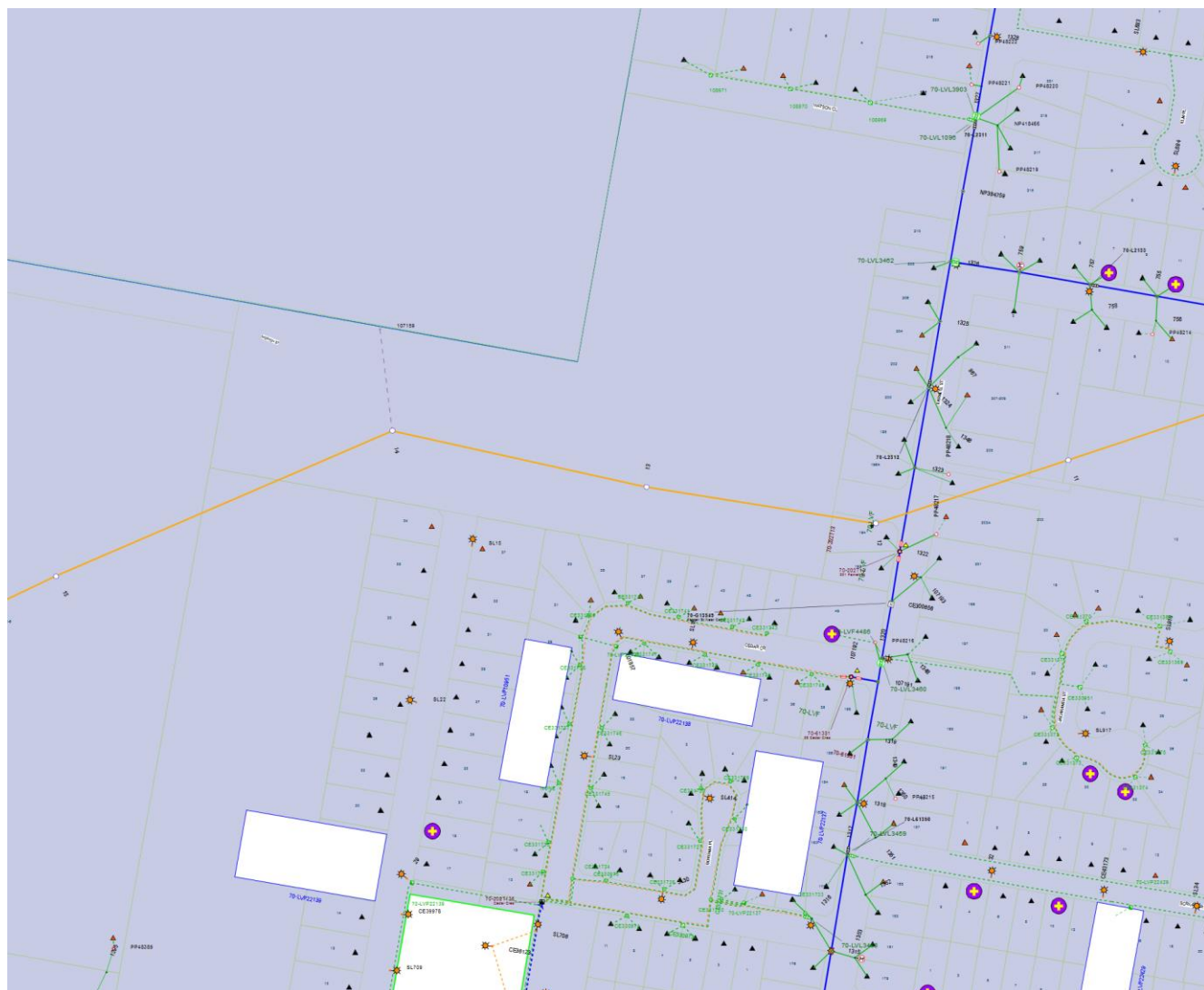
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## Water Catchment Area

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| <b>ID</b> | <b>CMA Name</b> | <b>CMA No</b> | <b>Perimeter</b> | <b>Area</b>               |
|-----------|-----------------|---------------|------------------|---------------------------|
| 186       | LACHLAN RIVER   | 12            | 2177.103 km      | 88216.016 km <sup>2</sup> |





## Yogita Rijal Malla

---

**From:** CommunityEngagement  
**Sent:** Thursday, 1 February 2024 11:33 AM  
**To:** customerrelationsnsw@jemena.com.au; netconnect@jemena.com.au  
**Cc:** CommunityEngagement; Yogita Rijal Malla  
**Subject:** Forbes Housing project – Statutory Notification - NSW Land and Housing Corporation: Farnell and Dawson Streets, Forbes  
**Attachments:** Statutory Jemena Notification Letter - Forbes Subdivision Farnell and Dawson Street.pdf

Dear Customer Relations team,

The NSW Land and Housing Corporation are notifying Jemena that the **Statutory Notification** for Forbes Housing Project (off Dawson and Farnell Streets) has commenced and inviting Jemena to provide comments to the proposed subdivision.

The plans and supporting documents are available on the project page [dpie.nsw.gov.au/forbes](https://dpie.nsw.gov.au/forbes) for your review and comments.

Please email Jemena's comments to Yogita Rijal Malla Planner, LAHC at \_\_\_\_\_ by the 26 February 2024.

For general enquiries our Community Engagement team can be contacted on 1800 738 718 (voicemail) or by email at [CommunityEngagement@dcj.nsw.gov.au](mailto:CommunityEngagement@dcj.nsw.gov.au).

Kind regards

**Carmen Cotterill** (*she/her*)  
Senior Community Engagement Officer  
Housing Portfolio  
**Homes NSW**

[nsw.gov.au/homes-nsw](https://nsw.gov.au/homes-nsw)

4 Parramatta Square  
12 Darcy Street  
Parramatta NSW 2150

**Working days** Monday to Friday, 9:00am - 5:00pm



I acknowledge the traditional custodians of the land and pay respects to Elders past and present.  
I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

Please consider the environment before printing this email.

## Yogita Rijal Malla

---

**From:** CommunityEngagement  
**Sent:** Thursday, 1 February 2024 12:12 PM  
**To:** tara.moriarty@parliament.nsw.gov.au  
**Cc:** CommunityEngagement; Yogita Rijal Malla  
**Subject:** Forbes Housing project – Statutory Notification - NSW Land and Housing Corporation: Farnell and Dawson Streets, Forbes  
**Attachments:** Statutory Notification Forbes Subdivision Farnell and Dawson Street.pdf  
**Categories:** Carmen

Dear Minister The Honourable Tara Moriarty,

The NSW Land and Housing Corporation (LAHC) are notifying you that the Statutory Notification for Forbes Housing Project (off Dawson and Farnell Streets) has commenced. LAHC is seeking your feedback for works within the waterway under Section 199 of the Fisheries Management Act before deciding whether the development should proceed.

The plans and supporting documents are available on the project page [dpie.nsw.gov.au/forbes](https://dpie.nsw.gov.au/forbes) for your review and comments.

Please email your comments to Yogita Rijal Malla Planner, LAHC at \_\_\_\_\_ by the 26 February 2024.

For general enquiries our Community Engagement team can be contacted on 1800 738 718 (voicemail) or by email at [CommunityEngagement@dcj.nsw.gov.au](mailto:CommunityEngagement@dcj.nsw.gov.au).

Kind regards

**Carmen Cotterill** (she/her)  
Senior Community Engagement Officer  
Housing Portfolio  
**Homes NSW**

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I acknowledge the traditional custodians of the land and pay respects to Elders past and present.  
I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

## Yogita Rijal Malla

---

**From:** David Ward <dward@dpi.nsw.gov.au>  
**Sent:** Thursday, 5 December 2024 3:55 PM  
**To:** Zac Smurthwaite  
**Cc:** Mathew London; Ben Rankmore  
**Subject:** FW: Homes NSW - Residential Subdivision - Part 7 of the Fisheries Management Act 1994  
**Attachments:** 240380(2)-MP-001-K.pdf

Hi Zac,

Thank you for the referral to DPIRD Fisheries.

No permits are required from our department for the subdivision works, as there is no Key Fish Habitat (Third order streams or larger) within the site. Information on location of Key Fish Habitats can be found in the DPI Spatial portal at <https://www.dpi.nsw.gov.au/fishing/fisheries-research/spatial-data-portal>

Cheers  
David

**David Ward**  
Fisheries Manager Murray Darling  
Fisheries and Forestry  
Department of Primary Industries  
and Regional Development

T 02 6889 6000 M 02 6889 6000 E [dward@dpi.nsw.gov.au](mailto:dward@dpi.nsw.gov.au)

[nsw.gov.au/dpi/dpi](https://www.nsw.gov.au/dpi/dpi)

4 Marsden Park Road CALALA NSW 2340



Department of Primary Industries  
and Regional Development

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We stand on Country that always was and always will be Aboriginal land. We acknowledge the Traditional Custodians of the land and waters, and we show our respect for Elders past, present and emerging. We are committed to providing places in which Aboriginal people are included socially, culturally and economically through thoughtful and collaborative approaches to our work.

---

**From:** Sophie Johns  
**Sent:** Thursday, 5 December 2024 3:43 PM  
**To:** David Ward <dward@dpi.nsw.gov.au>  
**Cc:** DPIRD AHP Central <ahpcentral@dpi.nsw.gov.au>  
**Subject:** FW: Homes NSW - Residential Subdivision - Part 7 of the Fisheries Management Act 1994

Hi Dave,

This one was sent through to me, it's in your patch. I had a quick look and I think there is only a first order stream on the site so not really anything to worry about but thought its probably better to flick through to you for a more thorough assessment.

Thanks,  
Soph.

**Sophie Johns**

Fisheries Manager Coastal Systems (acting till 17/01/2025)  
Fisheries and Forestry  
**Department of Primary Industries  
and Regional Development**

P ( ) E ( )  
Fisheries Level 2, 30 Park Avenue COFFS HARBOUR 2450



**Department of Primary Industries  
and Regional Development**

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**From:** Zac Smurthwaite <[redacted]>  
**Sent:** Wednesday, December 4, 2024 10:47 AM  
**To:** Sophie Johns <[redacted]>  
**Cc:** Mathew London <[redacted]> ; Ben Rankmore <[redacted]>  
**Subject:** Homes NSW - Residential Subdivision - Part 7 of the Fisheries Management Act 1994

Hi Sophie,

ADW Johnson are currently assisting Homes NSW with the preparation of a Review of Environmental Factors (REF) for a Staged 100 Lot Residential Subdivision, including associated civil works, vegetation removal, landscaping and provision of services of their site located Farnell Street, Belah Street and Dawson Street, Forbes. The subject lots include:

- Lot 7317 DP 1166614
- Lot 7205 DP102063
- Lot 7332 DP1166365
- Lot 1 DP1077961

The associated works are in close proximity of the waterway includes but is not limited to, the construction of the detention basin and outlet channel, and the relocation of the existing road, water line and power lines.

The project has previously been referred to the Minister for Agriculture by Homes NSW on the 1<sup>st</sup> February 2024, in regards to the proposed activity. The notification was delivered to The Honourable Tara Moriarty, MLC, Minister for Agriculture, via email correspondence to [redacted]. No response in relation to the proposal was received. Throughout the course of the project since that time there have been some minor changes to the layout, and supporting documentation.

Some of the identified work areas are located in areas which are considered to meet the definition of “water land” as defined within Section 198A, Division 3 of the Fisheries Management Act 1994 (FM Act 1994). As such, this activity is being referred to NSW Department of Primary Industries – Fisheries (DPI Fisheries) to seek confirmation if a permit under Part 7 of the *Fisheries Management Act 1994* is required?

Please find attached a copy of the current plans of subdivision for review.

Should you require any additional supporting documentation or have any questions with regards to the above, please do not hesitate to contact me.

Kind regards,



**Zac Smurthwaite**

Senior Planner

Hunter Office

Ph: (

Mob: \_\_\_\_\_

Email: \_\_\_\_\_

Website: [www.adwjohnson.com.au](http://www.adwjohnson.com.au)



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**ADW Johnson Pty Limited**

**Hunter** 7/335 Hillsborough Road, Warners Bay NSW 2282

Ph. 02 4978 5100

**Central Coast** 5 Pioneer Avenue, Tuggerah NSW 2259

Ph. 02 4305 4300

**Sydney** Level 35 One International Towers, 100 Barangaroo Avenue, Sydney NSW 2000

Ph. 02 8046 7411

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