

TOWN PLANNING REPORT



Development Application for
Reconfiguration of 1 into 2 Lots

MARCH
2026

7 Roebig Street, Aspley

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Executive Summary

Site and Proposal Details

| Item | Response |
|---------------------------|--|
| Address of Site | 7 Roebig Street, Aspley |
| Real Property Description | Lot 227 on RP848172 |
| Total Site Area | 1018m ² |
| Local Authority | Brisbane City Council |
| Planning Scheme | City Plan 2014 |
| Area Classification | Low Density Residential Zone |
| Purpose | Reconfiguration of 1 into 2 lots (Residential). |
| Local Area Plan/Precinct | Aspley District Neighbourhood Plan |
| Primary Code | Reconfiguration of a Lot Code |
| Overlays | Complies with all Overlay Codes: <ul style="list-style-type: none">• Airport Environs Overlay• Bicycle Network Overlay• Bushfire Overlay• Community Purposes Network Overlay• Critical Infrastructure & Movement Network Overlay• Dwelling House Character Overlay• Road Hierarchy Overlay• Streetscape Hierarchy Overlay |
| Secondary Codes | Complies with all Secondary Codes |
| Ward | McDowall |
| Land Owner/s | Bayside Group Two Pty Ltd |

Aspects of Development

| TYPE OF DEVELOPMENT | APPROVAL SOUGHT | LEVEL OF ASSESSMENT |
|------------------------|--------------------|---------------------|
| Reconfiguration of Lot | Development Permit | Impact Assessment |

Applicant Details

| APPLICANT | CONTACT DETAILS |
|--------------------------|---------------------------------------|
| Matt Doolan Town Planner | matt@developthis.com.au 0409149276 |

Introduction

This Town Planning Report is an application for a Development Permit for a Reconfiguration of Lot on a property located at 7 Roebig Street, Aspley (Lot 227 on RP848172) as per the attached proposal plans. The site area is 1,018m².

The site currently has a dwelling house, which will be retained on Proposed Lot 27 (southern lot).

The proposal is to subdivide the exiting lot into two lots. Proposed Lot 27 with an area of 692m² is a corner lot with frontage to Roebig Street and Lange Court. It has direct crossover access to Roebig Street and has the appropriate corner truncation. This application seeks to obtain a relaxation to create a new small lot, Proposed Lot 28, with an area of 326 m² and an average width of 14m.

The proposal is an Impact Assessable application.



Figure 1 - Location map (site outlined in red)

The lot is currently zoned under the City Plan as being in the Low Density Residential Zone and is located within the Aspley District Neighbourhood Plan.

This proposal complies with the intent of the Low Density Residential Zone and complies generally with all relevant City Plan codes.

This report demonstrates in general terms that:

- The proposal is in accordance with the relevant requirements set down in the City Plan
- The proposed 'Reconfiguration of Lot' will not significantly adversely impact on the adjoining properties

It is therefore requested that the proposal be approved in accordance with the attached proposal plans at Council's earliest convenience.

Proposal

The proposal involves the reconfiguration of 1 into 2 lots. This will result in a southern corner lot of 692m² (containing the existing house) and the balance northern lot 326m² (containing the existing garage, later to be part of a future house).



Figure 2- Proposed subdivision

Key Issues

Lot size

A relaxation of the 350m² lot size is requested in this case by 23m² or some 7%. The new lot contains the minimum rectangle of 6 x 15m. The average lot size will be over 500m². Compliant side and rear boundary clearances can be achieved. Site cover and recreation / yard space all remain achievable.

It was also observed that the adjoining houses to the north and west are well setback from the boundaries.

Note that corner lots have commonly been permitted relaxation of the standard 400m² small lot size for the purposes of retaining the existing house.

Side Boundary Clearance

Note that setbacks to the central boundary do not impact any adjoining owner.

The existing two-level rendered house will be retained on the larger southern corner lot (Proposed Lot 27) with a central side boundary clearance of 900mm to the house wall. This achieves adequate fire separation to the wall and openings. The eaves within the 900mm setback will be fire rated.

The existing shed on the proposed northern small lot (Proposed Lot 28) will be retained and later converted to a residential dwelling house. The garage will form the allowable built to / near boundary wall portion. Note that it is desired to retain this existing structure in the interests of sustainability outcomes. By reusing existing materials, embedded energy will be conserved.

Crossover

A standard crossover will be constructed for the proposed small lot. The proposed corner lot has an existing crossover, which will be modified accordingly. Any required changes are requested to be conditioned by Council in accordance with the Standard Drawings. The access onto the low-speed, local road has good site lines and is considered safe.

Background History

BACKGROUND/HISTORY

The site was vacant in 1946. The existing house appears to have been constructed in more recent years.

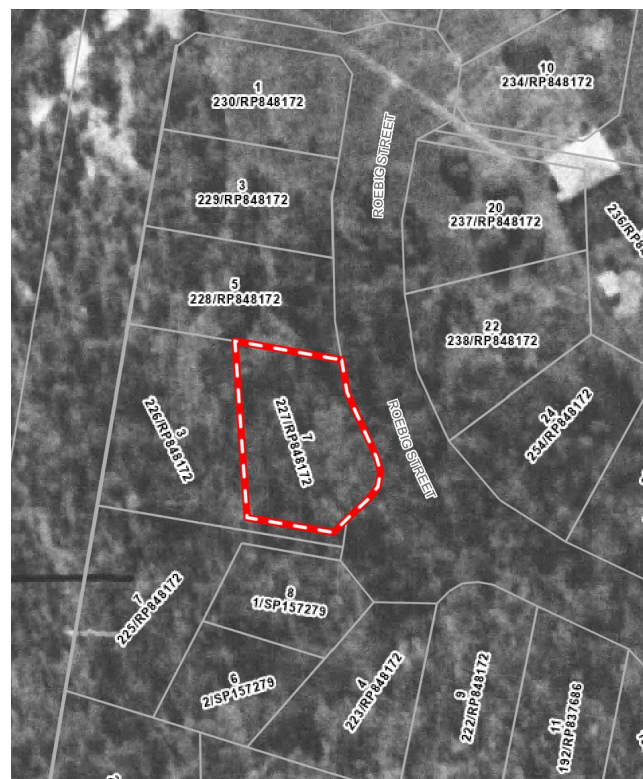
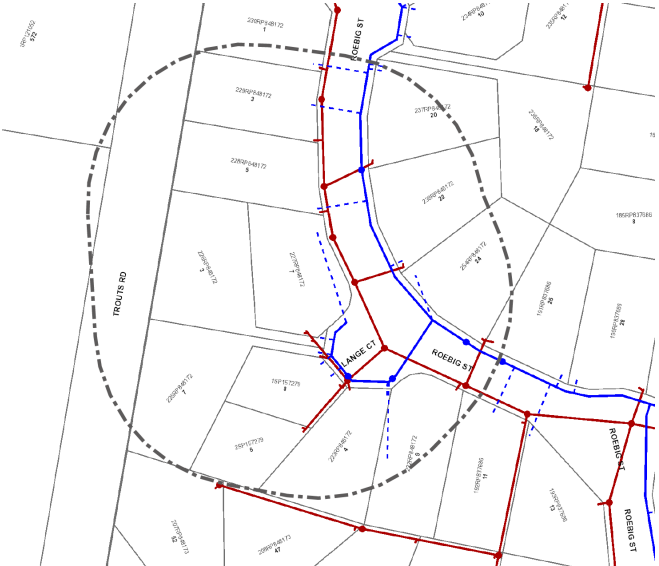
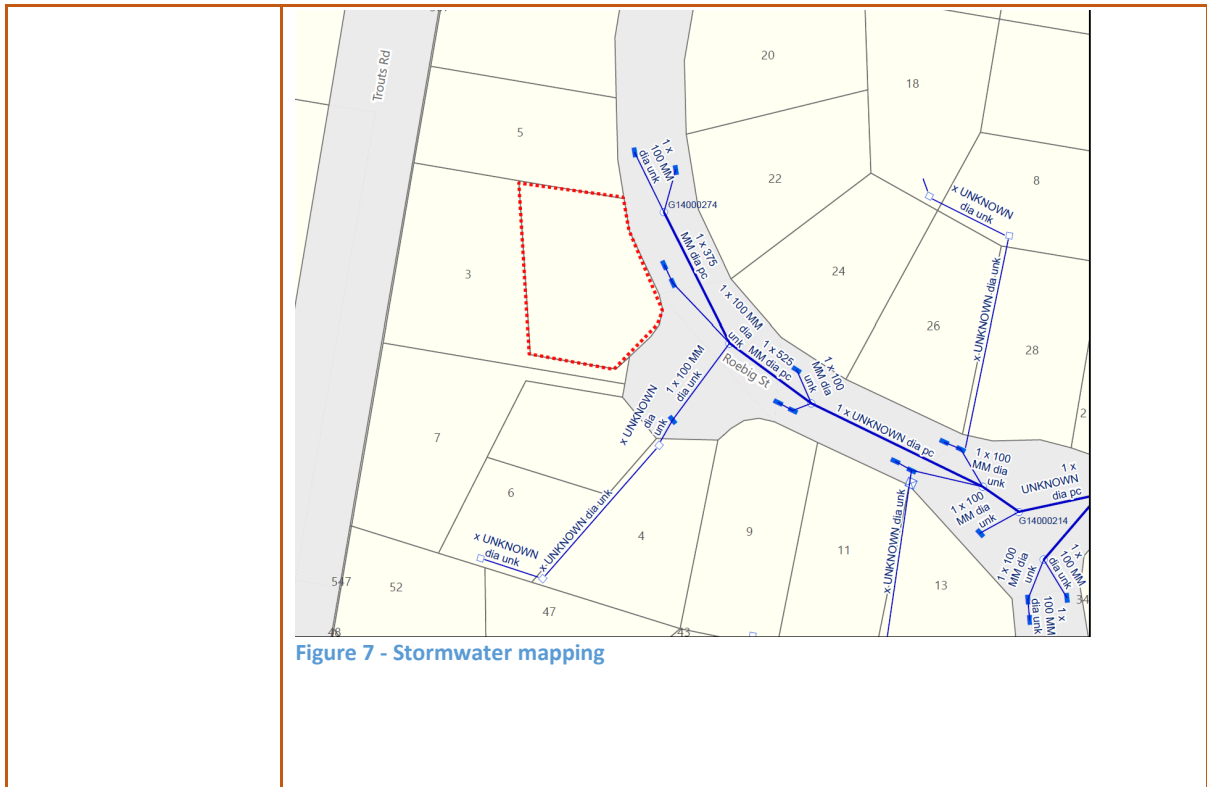


Figure 3- Aerial Photography 1946

Site Characteristics

| | |
|-----------------------------------|---|
| <p>Location</p> | <p>The site is located within an existing residential area. It is surrounded by single detached housing.</p> |
| <p>Current Use of Site</p> | <p>The subject site currently has a dwelling house constructed on it. It is being used for residential purposes.</p> <div data-bbox="539 483 1331 985" data-label="Image"> </div> <p style="text-align: center;">Figure 4– Current use of site (house)</p> |
| <p>Topography</p> | <p>The site has a crossfall of 5 metres from the north-west down towards the south-east boundary.</p> <div data-bbox="619 1205 1251 1971" data-label="Figure"> </div> <p style="text-align: center;">Figure 5– Contour Map (BCC Interactive Mapping)</p> |

| | |
|-------------------------------|--|
| | |
| <p>Sewer and Water</p> | <p>Sewer</p> <p>Two sewer mains are located associated with Roebig Street and Lange Court frontages of the site.</p> <p>Water</p> <p>Water mains exists on Roebig Street and Lange Court. The existing meter connection will be retained for the larger corner lot. A new meter and connection will be provided for the additional small lot.</p>  <p>Figure 6– Sewer (Red) Water (Blue)</p> |
| <p>Stormwater</p> | <p>A stormwater infrastructure main exists in the frontage that services the site, and can also service the new lot.</p> |



Elements of the Application

| | |
|----------------------------|---|
| Level of Assessment | Impact assessment |
| Zone Code | Low Density Residential Zone No compliance issues were identified. Refer to the Code Report attached for further detailed responses. |
| Neighbourhood Plan | Aspley district neighbourhood plan No compliance issues were identified. Refer to the Code Report attached for further detailed responses. |
| Development Codes | Subdivision Code A relaxation of the 350m ² lot size is requested. Refer to the Code Report attached for further detailed responses. |
| Overlay Codes | Compliance with the below Overlay Codes was achieved. No compliance issues were identified. Refer to the Code Report attached for further detailed responses. Airport Environs Overlay. Air traffic will not be impacted by this proposal. The site is within a residential area. Airport activity will not be impacted by this site. Bicycle Environs Overlay. Bicycle routes will not be impacted by this proposal. The site is within a residential area. Bicycle environs activity will not be impacted by this site. |

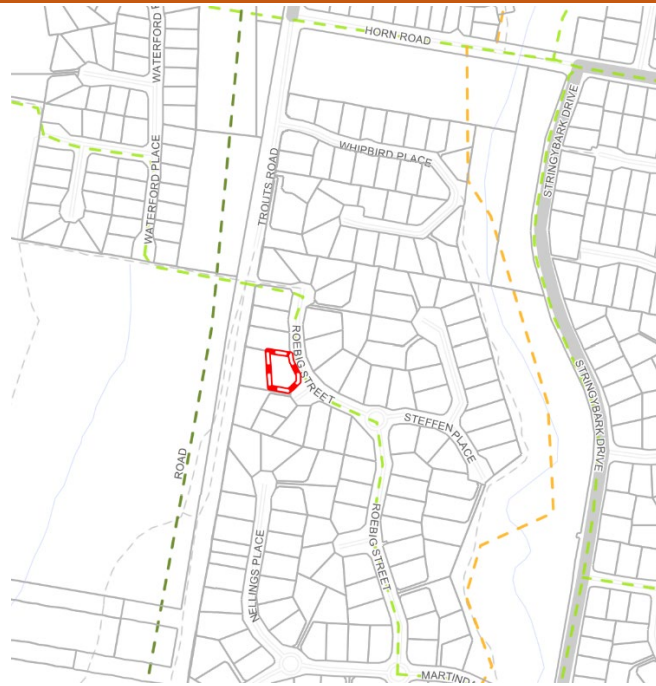


Figure 8 - Bicycle Environs mapping

Bushfire Overlay.

Risks from bushfires will not be impacted by this subdivision proposal. The site is within a residential area. It is located in a buffer zone of a high hazard area associated with forest lands to the west of the lot across Trout's Road.

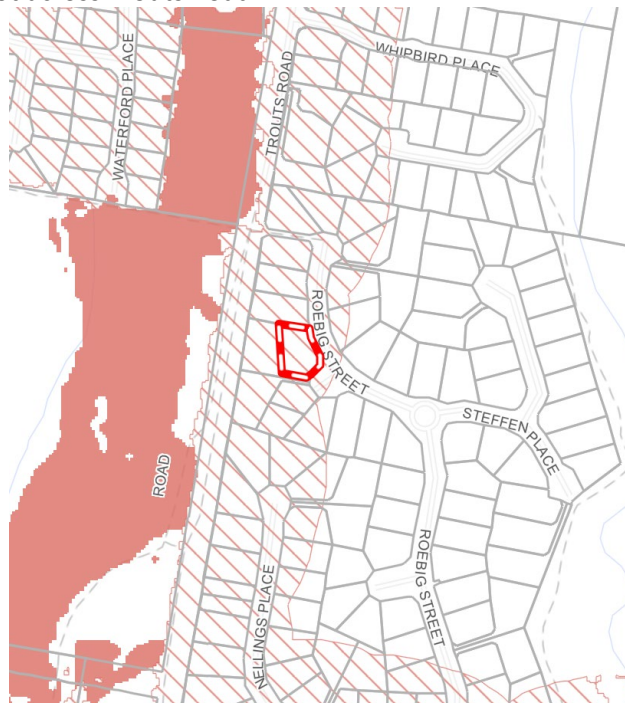


Figure 9 - Bushfire overlay mapping

Community Purposes Network Overlay

Community facilities will not be impacted by this proposal.


| | |
|-------------------------------|---|
| | <p>Critical Infrastructure & Movement Network Overlay Critical Infrastructure will not be impacted by this proposal.</p> <p>Dwelling House Character Overlay Dwelling House Character will not be impacted by this proposal.</p> <p>Road Hierarchy Overlay The site is on a local road. The local road is expected to have capacity for 1 additional dwelling.</p> <p>Streetscape Hierarchy Overlay The site is on a minor street. The two proposed driveways will be safe access points.</p> |
| <p>Secondary Codes</p> | <p>Compliance with the below Secondary Codes was achieved and is recorded in the attached Codes Report.</p> <p>Filling and Excavation Code No significant earthworks are proposed at this stage.</p> <p>Infrastructure Design Code Existing road, sewer, water and power connections are readily available to the new lots. It is requested these items be conditioned by Council.</p> <p>Landscape Work Code No landscaping is part of this proposal.</p> <p>Outdoor Lighting Code No lighting is part of this proposal.</p> <p>Park Planning and Design Code Not applicable to this proposal.</p> <p>Stormwater Code All stormwater will be piped to a lawful point of discharge on the street frontage.</p> <p>Transport, Access, Parking and Servicing Code Not applicable to this proposal.</p> <p>Wastewater Code Not applicable to this proposal. The new lots will be connected to mains sewer.</p> |

Supporting Documentation

| | |
|---------------|----------|
| Proposal Plan | Attached |
| Code Report | Attached |
| Photos | Attached |

Compliance Summary

Higher Order Compliance

| | |
|--------------------------------|--|
| Strategic Plan | The proposal is in accordance with the Strategic Plan. The proposed use will not, in any way, adversely affect the existing residential area. |
| Intent of the Zone | <p>The proposed reconfiguration of lot is appropriate in the Low Density Residential Zone.</p> <p>The character of the area will not be adversely impacted and the proposal will not be a detriment to the amenity of the area.</p>  <p>Figure 10- Zoning (LR = Pink)</p> |
| Neighbourhood Plan | The site is located within the Aspley District Neighbourhood Plan. No additional requirements relating to this proposal were relevant. The attached Code Report covers compliance with the Local Plan Code. |
| Queensland Coastal Plan | The site is within the Urban Footprint. It is not covered by any relevant State Mapping layers. No referrals were identified. |

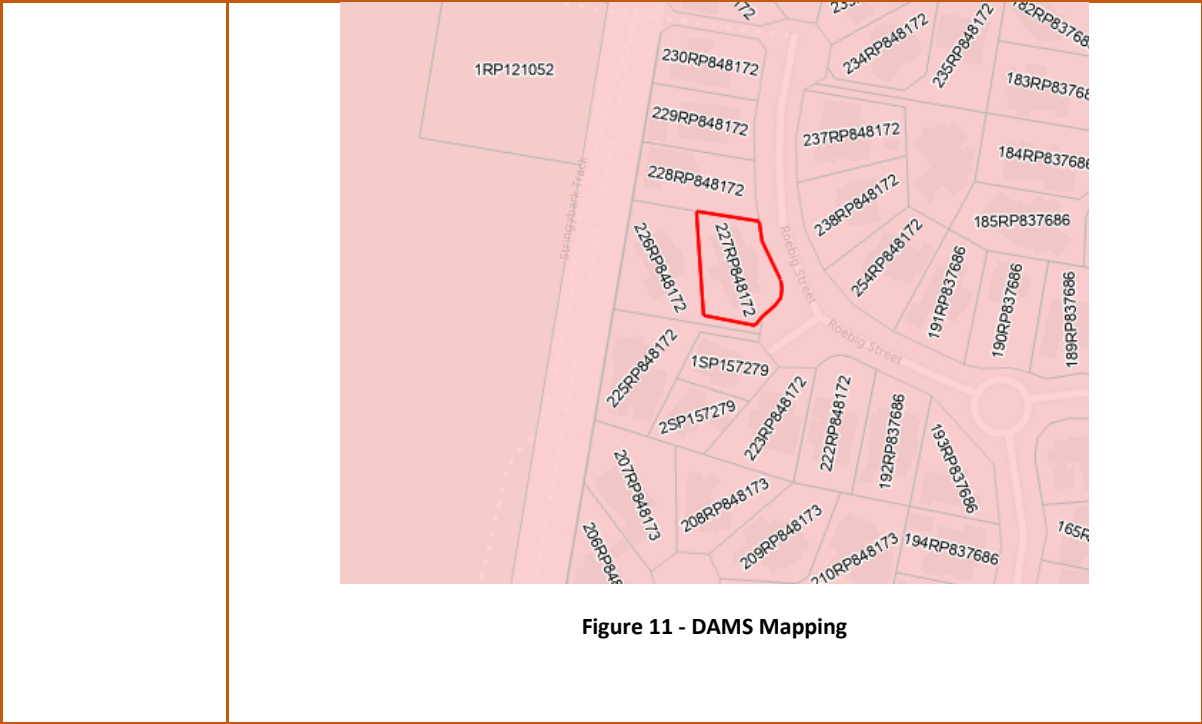


Figure 11 - DAMS Mapping

Conclusion

The proposed reconfiguration of Lot 227 on RP848172 at 7 Roebig Street, Aspley into two lots of 692m² and 326m² represents a practical and contextually appropriate subdivision outcome.

The development is consistent with the intent of the Low Density Residential Zone and complies with the applicable provisions of the City Plan, including the Subdivision Code, relevant Overlay Codes, and the Aspley District Neighbourhood Plan. The proposed lots are capable of accommodating compliant dwelling houses, with safe and efficient access, connection to essential infrastructure, and lawful stormwater discharge.

Importantly, the proposal will not result in any significant adverse impacts on adjoining properties, local character, or infrastructure networks.

It is respectfully requested that Council approve the application in accordance with the attached proposal plans at its earliest convenience.

Attachment A
Photography



Photo 1: Subject property – Viewed from frontage



Photo 2: Subject property verge and streetscape



Photo 3: Roebig Street and Lange Court



Photo 4: Lange Court deviation from Roebig Street




Photo 5: Relationship of existing house to garage shed at right



Photo 6: Roebig Street property to right

Attachment B
Additional Information and General Searches

[Review responses online](#) ↗



Received 6 of 6 responses
All responses received

7 Roebig Street, Aspley QLD 4034

Job dates
 23/03/2026 → 30/09/2026

These plans expire on
 24 Mar 2026

Lodged by
 Matt Doolan

| Authority | Status | Page |
|----------------------------------|----------|------|
| ✉ BYDA Confirmation | | 2 |
| 📄 Look up and Live | | 4 |
| 🏠 APA Group Gas Networks (70710) | Received | 6 |
| 🏠 Brisbane City Council | Received | 17 |
| 🏠 Energex QLD | Received | 20 |
| 🏠 NBN Co Qld | Received | 63 |
| 🏠 Queensland Urban Utilities | Received | 74 |
| 🏠 Telstra QLD South East | Received | 79 |



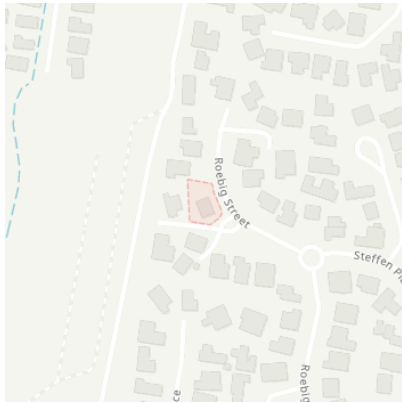
Contact Details

| | | | |
|---|---------------------------------------|---|-------------------------------|
| Contact Matt Doolan Email matt@developthis.com.au | Contact number 0409 149 276 | Company - | Enquirer ID 3023457 |
| | | Address 42 Bridge Street Woolloowin QLD 4030 | |

Job Site and Enquiry Details

WARNING: The map below only displays the location of the proposed job site and does not display any asset owners' pipe or cables. The area highlighted has been used only to identify the participating asset owners, who will send information to you directly.

| | | | | | | |
|-----------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|-----------------------------|---|
| Enquiry date 24/02/2026 | Start date 23/03/2026 | End date 30/09/2026 | On behalf of Private | Job purpose Excavation | Locations Private | Onsite activities Mechanical Excavation |
|-----------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|-----------------------------|---|



Check that the location of the job site is correct. If not, you must submit a new enquiry.

If the scope of works change or plan validity dates expire, you must submit a new enquiry.

Do NOT dig without plans. Safe excavation is your responsibility. If you don't understand the plans or how to proceed safely, please contact the relevant asset owners.

| | | |
|-----------------------------------|--|-------------------------------|
| User Reference Roebig 7 | Address 7 Roebig Street Aspley QLD 4034 | Notes/description - |
|-----------------------------------|--|-------------------------------|

Your Responsibility and Duty of Care

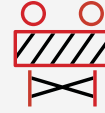
- **Lodging an enquiry does not authorise project commencement.** Before starting work, you must obtain all necessary information from all affected asset owners.
- If you don't receive plans within 2 business days, contact the asset owner & quote their sequence number.
- Always follow the 5Ps of Safe Excavation (page 2), and locate assets before commencing work.
- Ensure you comply with State legislative requirements for Duty of Care and safe digging.
- If you damage an underground asset, you MUST advise the asset owner immediately.
- By using the BYDA service, you agree to the [Privacy Policy](#) and [Term of Use](#).
- For more information on safe digging practices, visit www.byda.com.au

Asset Owner Details

Below is a list of asset owners with underground infrastructure in and around your job site. It is your responsibility to identify the presence of these assets. Plans issued by Members are indicative only unless specified otherwise. Note: not all asset owners are registered with BYDA. You must contact asset owners not listed here directly.

| Referral ID (Seq. no) | Authority Name | Phone | Status |
|-----------------------|--------------------------------|----------------|----------|
| 268787332 | APA Group Gas Networks (70710) | 1800 085 628 | NOTIFIED |
| 268787330 | Brisbane City Council | (07) 3403 8888 | NOTIFIED |
| 268787331 | Energex QLD | 13 12 53 | NOTIFIED |
| 268787329 | NBN Co Qld | 1800 687 626 | NOTIFIED |
| 268787334 | Queensland Urban Utilities | 13 26 57 | NOTIFIED |
| 268787333 | Telstra QLD South East | 1800 653 935 | NOTIFIED |

END OF UTILITIES LIST



Plan

Plan your job. Use the BYDA service at least one day before your job is due to begin, and ensure you have the correct plans and information required to carry out a safe project.

Prepare

Prepare by communicating with asset owners if you need assistance. Look for clues onsite. Engage a skilled Locator.

Pothole

Potholing is physically sighting the asset by hand digging or hydro vacuum extraction.

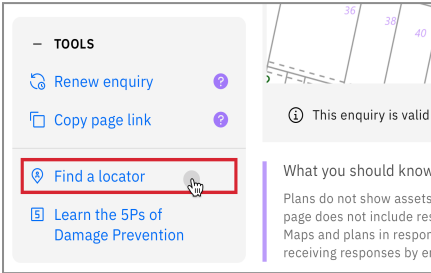
Protect

Protecting and supporting the exposed infrastructure is the responsibility of the excavator. Always erect safety barriers in areas of risk and enforce exclusion zones.

Proceed

Only proceed with your excavation work after planning, preparing, potholing (unless prohibited), and having protective measures in place.

Engage a skilled Locator



When you lodge an enquiry you will see skilled Locators to contact

Visit the Certified Locator website directly and search for a locator near you

certloc.com.au/locators

Get FREE Quotes for Contractors & Equipment Fast



Use iseekplant's FREE marketplace to get quotes for the equipment or services you need on your project. Compare quotes from trusted local contractors and get your project done on time and in budget.

1. Fill out your job details in our FREE quick quote form.
2. We send the request to trusted local contractors.
3. The local contractors will contact you directly with quotes

GET QUOTE

Use iseekplant to find trusted contractors near you today, visit: blog.iseekplant.com.au/byda-isp-get-quotes

Book a FREE BYDA Session

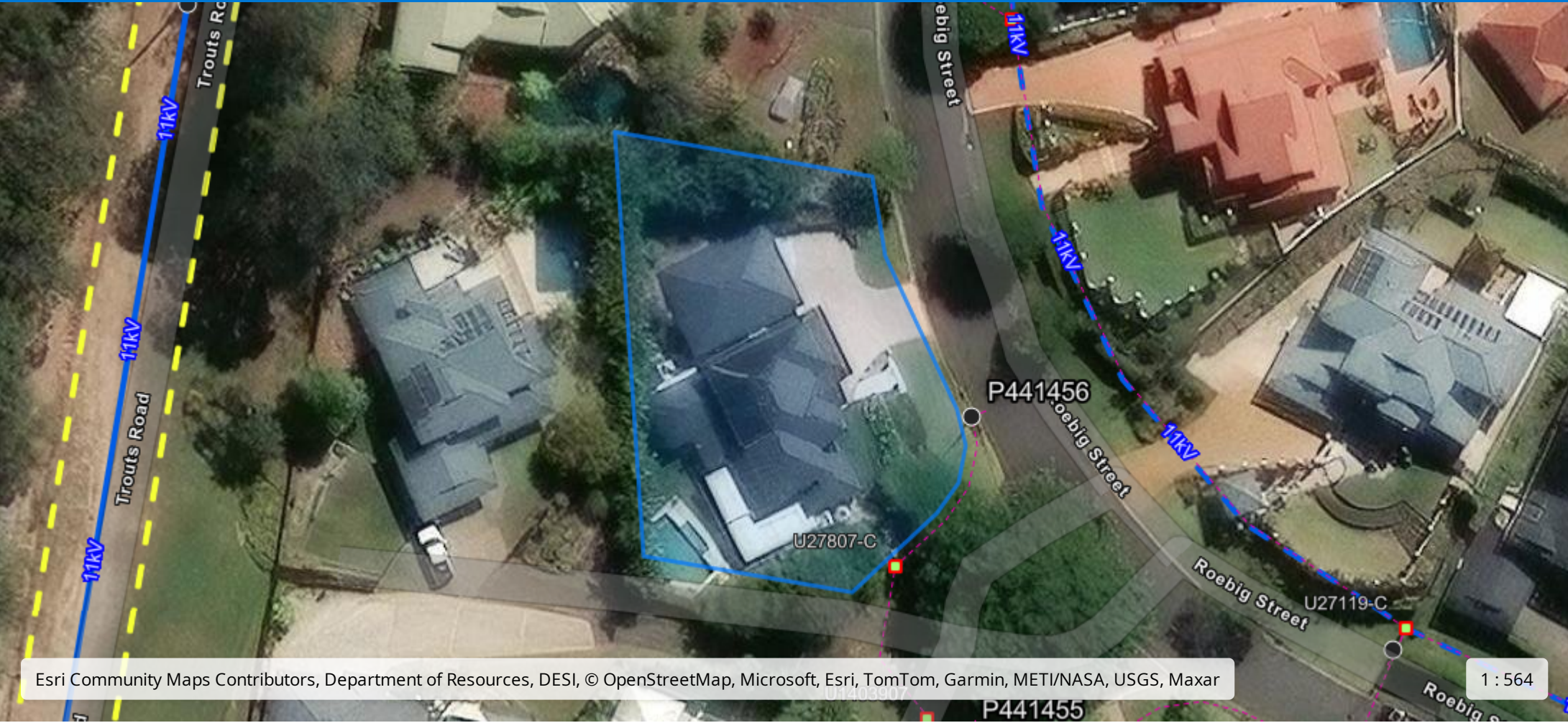


BYDA offers free training sessions to suit you and your organisation's needs covering safe work practices when working near essential infrastructure assets. The free sessions are offered in two different formats - online and face-to-face.

To book a session, visit: byda.com.au/contact/education-awareness-enquiry-form

BOOK NOW

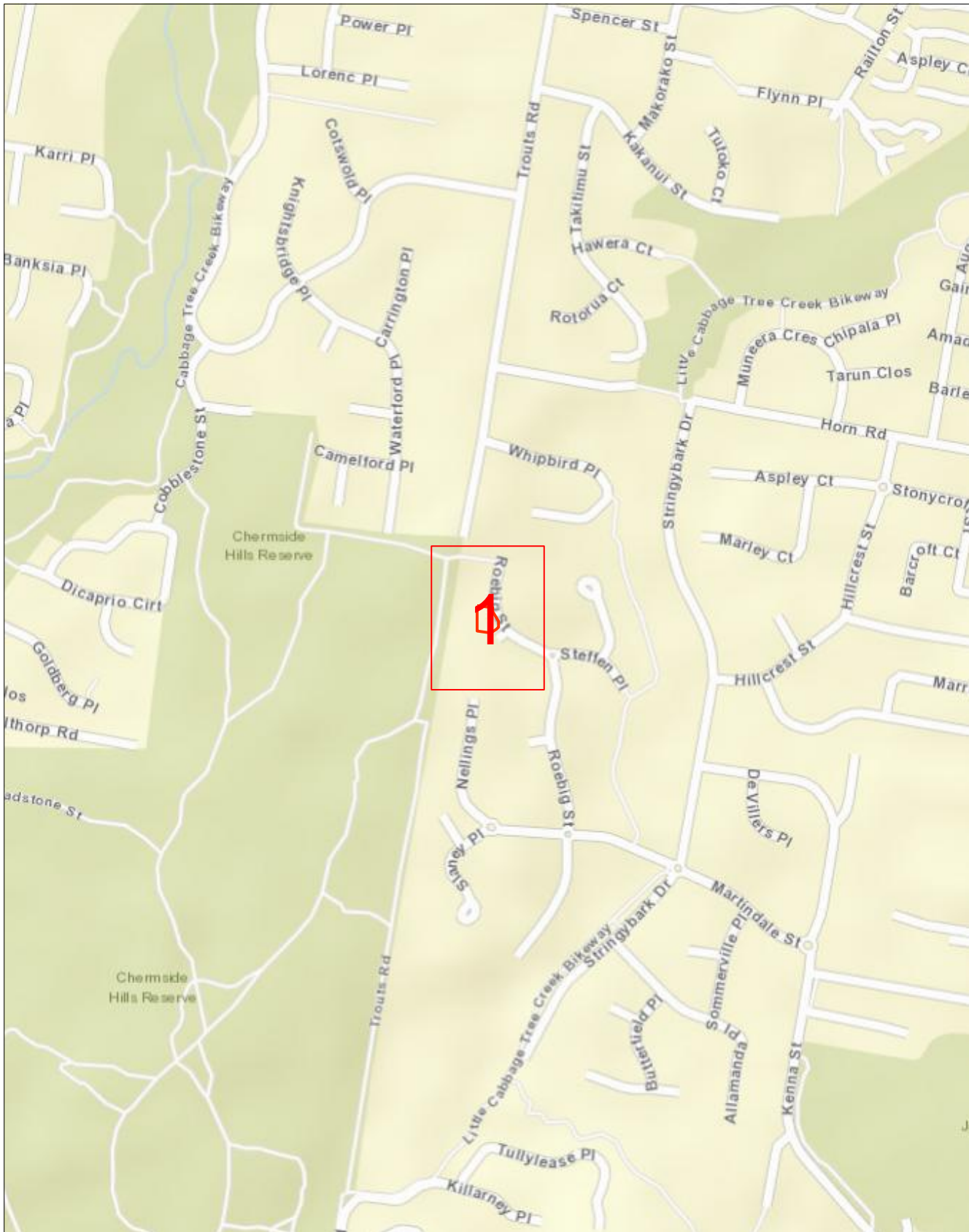
Look up and Live - 52465353



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Site 7 Roebig Street
Address: Aspley
QLD 4034

Sequence 268787332
Number:



Scale 1: 6000

Map Sources: Esri, Garmin, HERE, FAO, NOAA, USGS,
© OpenStreetMap contributors, and the GIS User Community

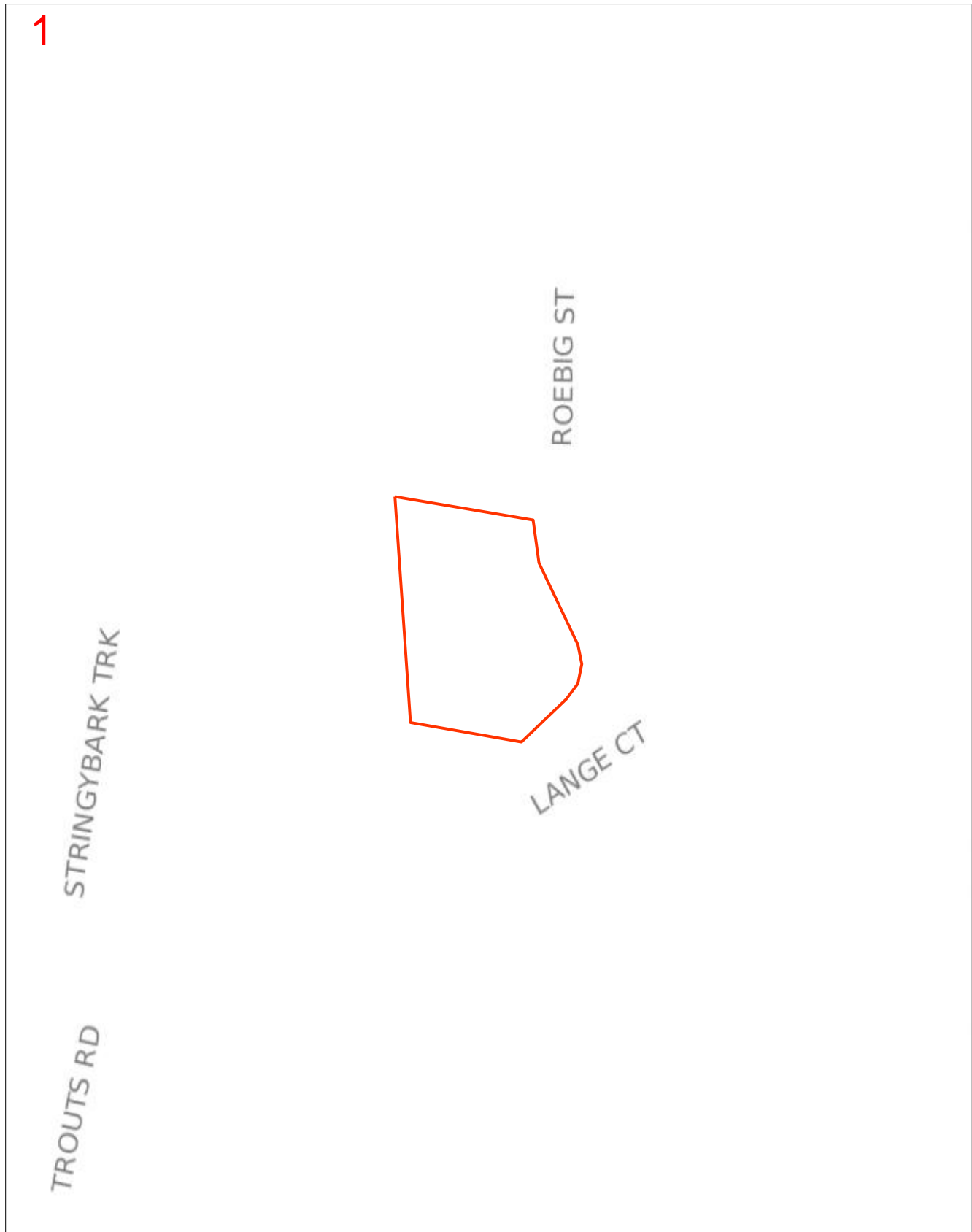


Enquiry Area



Map Key Area





Scale 1: 700

Map Sources: Esri, Garmin, HERE, FAO, NOAA, USGS,
© OpenStreetMap contributors, and the GIS User Community



Enquiry Area



Map Key Area





APA
Australia's energy
infrastructure partner

Referral
268787330

Member Phone
(07) 3403 8888

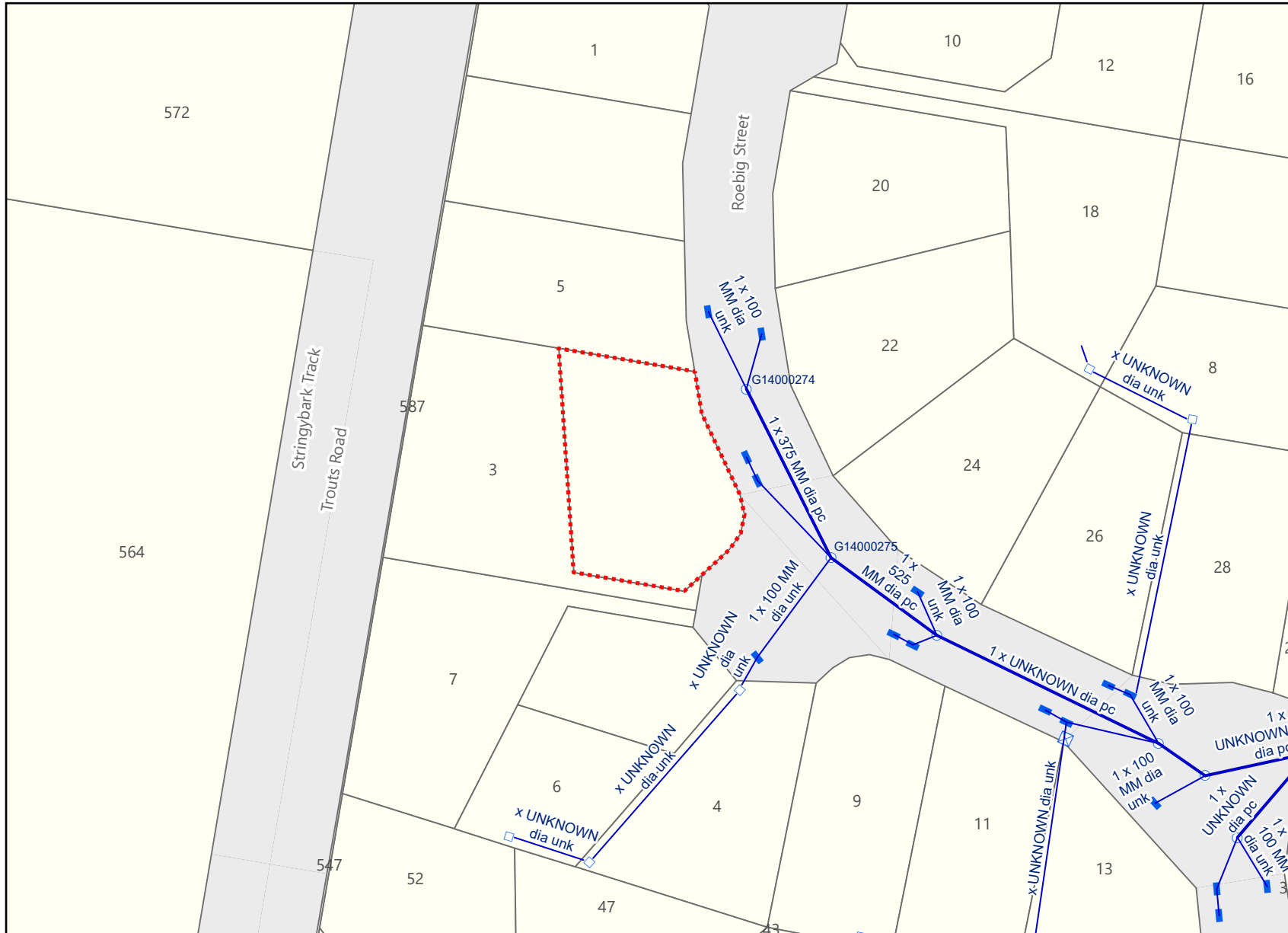
Responses from this member

Response received Tue 24 Feb 2026 6.55pm

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|---------------------|------|
| Response Body | 18 |
| ASSET 268787330.pdf | 19 |



Job # 52465353
Seq # 268787330
 Provider: Brisbane City Council
 Telephone: (07) 3403 8888



Legend

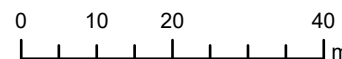
- ⋯ BYDA Enquiry
- Stormwater Drain
- Stormwater Gully / Roofwater Connection
- Stormwater Maintenance Hole
- Stormwater Roofwater Pit
- Stormwater Gully Pit
- ⊠ Stormwater Field Inlet

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 Data must not be used for direct marketing or be used in breach of the privacy laws.

Copyright of data is as follows:
 Cadastre and Street Names © 2020 State of Queensland (Department of Natural Resources, Mines and Energy)

Caution: This map may contain the locations of abandoned underground asbestos pipes. Council gives no warranty to the completeness or accuracy of these records. Appropriate care needs to be taken in all cases.

In an emergency contact Brisbane City Council on 07 3403 8888
 24/02/26 (valid for 30 days)



Scale 1:1,000



Plans generated by SmarterWX™ Automate

Referral
268787331

Member Phone
13 12 53

Responses from this member

Response received Tue 24 Feb 2026 6.56pm

| File name | Page |
|--|-------------|
| Response Body | 21 |
| 268787331 - Energex Plan.pdf | 24 |
| Energex BYDA Terms and Conditions.pdf | 27 |
| Working Near Overhead and Underground Electric Lines.pdf | 32 |

Assets found

Before You Dig Australia (BYDA) Request

Please DO NOT SEND A REPLY to this email as it has been automatically generated and replies are not monitored.

The attached Plan details ENERGEX's Assets in relation to Your nominated search area.

Ensure You read and understand the important notes outlined below.

| | |
|--|---------------------------------|
| You: | BYDA Enquiry No: |
| Matt Doolan | 268787331 |
| Company: | Date of Response: |
| Not Supplied | 24 Feb 2026 |
| Search Location: | Period of Plan Validity: |
| 7 Roebig Street Aspley, QLD 4034 | 4 Weeks |
| External Comments (if any): | |

WARNING: When working in the vicinity of Energex's Assets You have a legal Duty of Care that must be observed.

It is important that You note:

1. Immediately report life threatening emergencies to Emergency Services on **000** or to ENERGEX on **13 19 62**.
2. Please read and understand all the information and disclaimers provided - including the Terms and Conditions on the attached pages.
3. We have only searched the area which has been nominated in the request. If this nominated area is not what You require, please resubmit another enquiry with BYDA.
4. Plans provided by ENERGEX are only an indication of the presence of underground Assets within the nominated area. Locations provided are approximate and the plans are not suitable for scaling purposes, as exact ground cover and alignments cannot be provided. You must confirm the exact location of Assets by use of an electronic cable locator followed by careful, non-mechanical excavation (i.e. potholing).
5. Plans provided by ENERGEX do not encompass ENERGEX's overhead Assets.
6. ENERGEX, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and details supplied pursuant to the BYDA Request and You agree to indemnify ENERGEX against any claim or demand for any such loss or damage to You, Your servants or Your agents.
7. You are responsible for any damage to underground Assets caused by works pursuant to or in any way connected with this BYDA Request.

8. In addition to underground cables marked on attached plan, there could be underground earth conductors, underground substation earth conductors, Multiple Earthed Networks (MEN) conductors, Single Wire Earth Return (SWER) Substation Earth Conductors, Air Break Switch (ABS) Earth Mats or Consumer Mains in the vicinity or private underground cables (inc. consumers' mains that may run from ENERGEX mains onto private property) in the vicinity of the nominated work area(s) that are not marked on the plans.
9. Independent underground cable locators can be found by using the "Find a locator" option available within the BYDA enquiry response with LV Cable (up to 1kV), HV Cable (1kV-<33kV) & HV cable (33kV and over) displayed.
10. The ENERGEX Before You Dig Australia (BYDA) information map(s) provide the vicinity of underground cable and will not be adequate for conveyancing purposes. A Request for Search (Property Search) can be arranged through ENERGEX.
11. The attached plans are only valid for a period of four weeks from receipt. If excavation does not commence within four weeks, a new plan should be obtained.
12. The ENERGEX BYDA map (named maps.pdf) may contain shaded area(s), indicating the location of planned work(s). Should You find planned works that You believe may affect Your planned work(s), please contact the ENERGEX BYDA team on the details listed below.
13. ENERGEX may contact You to discuss Your proposed excavation in the vicinity of feeders identified on the attached plan(s).
14. Do not access any Assets, for example, conduits, cables, pits or cabinets.
15. Your work will need to comply with:
 - [Working near overhead and underground electric lines - Electrical safety code of practice 2020](#)
 - [Managing Electrical Risk in Workplace Electrical Safety Code of Practice \(2013\)](#)
 - [Excavation Work Code of Practice \(2021\)](#)

NOTE: Where Your proposed work location contains ENERGEX 33kV or greater Underground cables please access the [Energen before you dig Website](#) for more information.

General enquiries (7:00am - 5:30pm Mon to Fri) **13 12 53**

Life threatening emergencies only triple zero (000) or **13 19 62**

To re-submit or change the nominated search area please visit [BYDA.com.au](#)

E: custserve@energex.com.au

E: byda@energyq.com.au

ABN: 40 078 849 055



Disclaimer: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Energen nor PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

If you are unable to launch any of the files for viewing and printing, you may need to download and install free viewing and printing software such as [Adobe Acrobat Reader \(for PDF files\)](#)








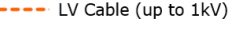
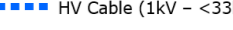
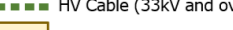
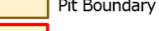
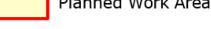
BYDA

Sequence: 268787331
Date: 24/02/2026

Scale: 1:1025
Tile No: **OVERVIEW**

CAUTION - HIGH VOLTAGE

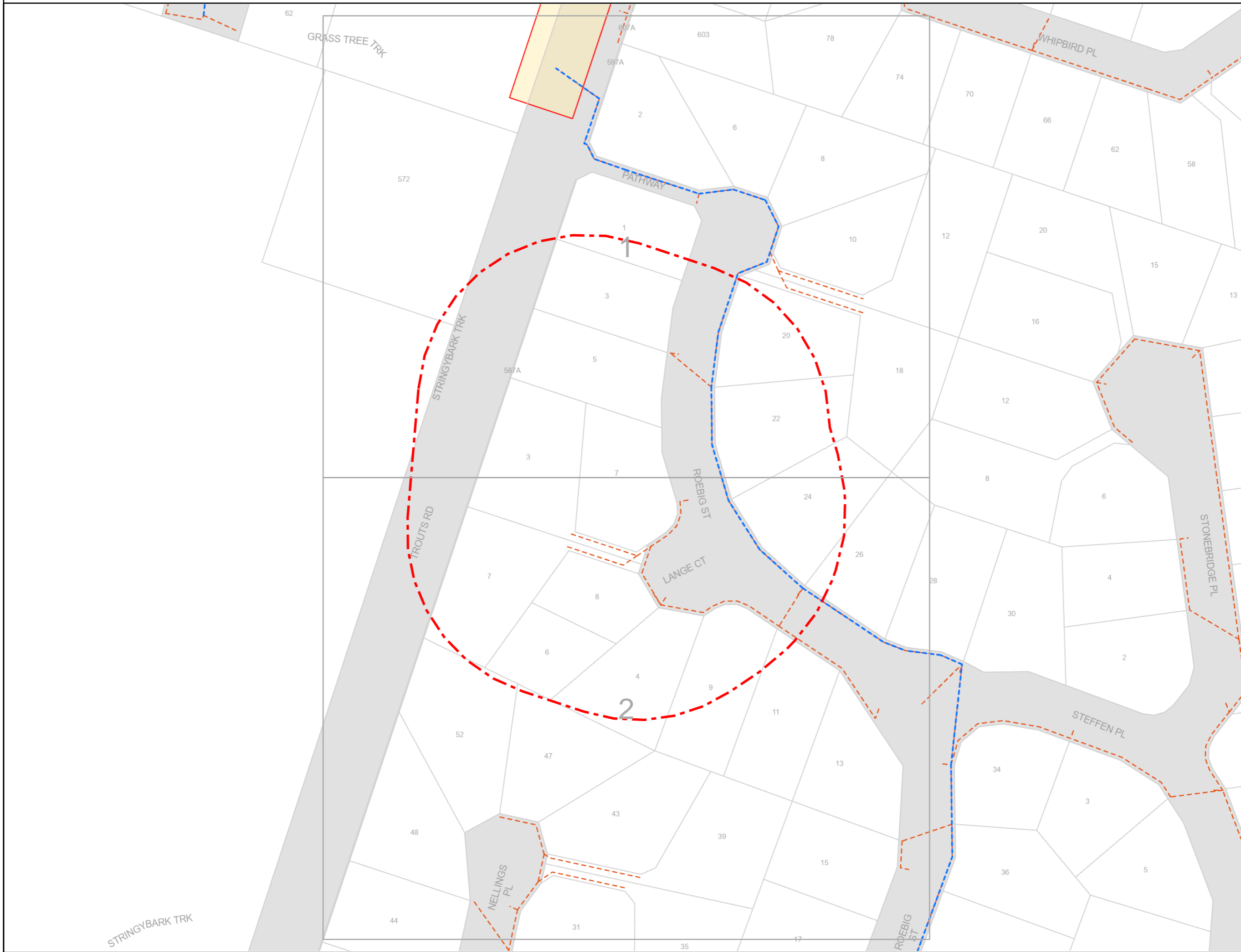
LEGEND

-  Substation
-  Cable Marker
-  Pit
-  Pole
-  Pillar
-  LV Cable (up to 1kV)
-  HV Cable (1kV - <33kV)
-  HV Cable (33kV and over)
-  Pit Boundary
-  Planned Work Area

AS5488 Category "D" Plan



DISCLAIMER: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Energex nor Pelican Corp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.





BYDA

Sequence: 268787331
Date: 24/02/2026

Scale: 1:500
Tile No: **Tile No: 1**

CAUTION - HIGH VOLTAGE

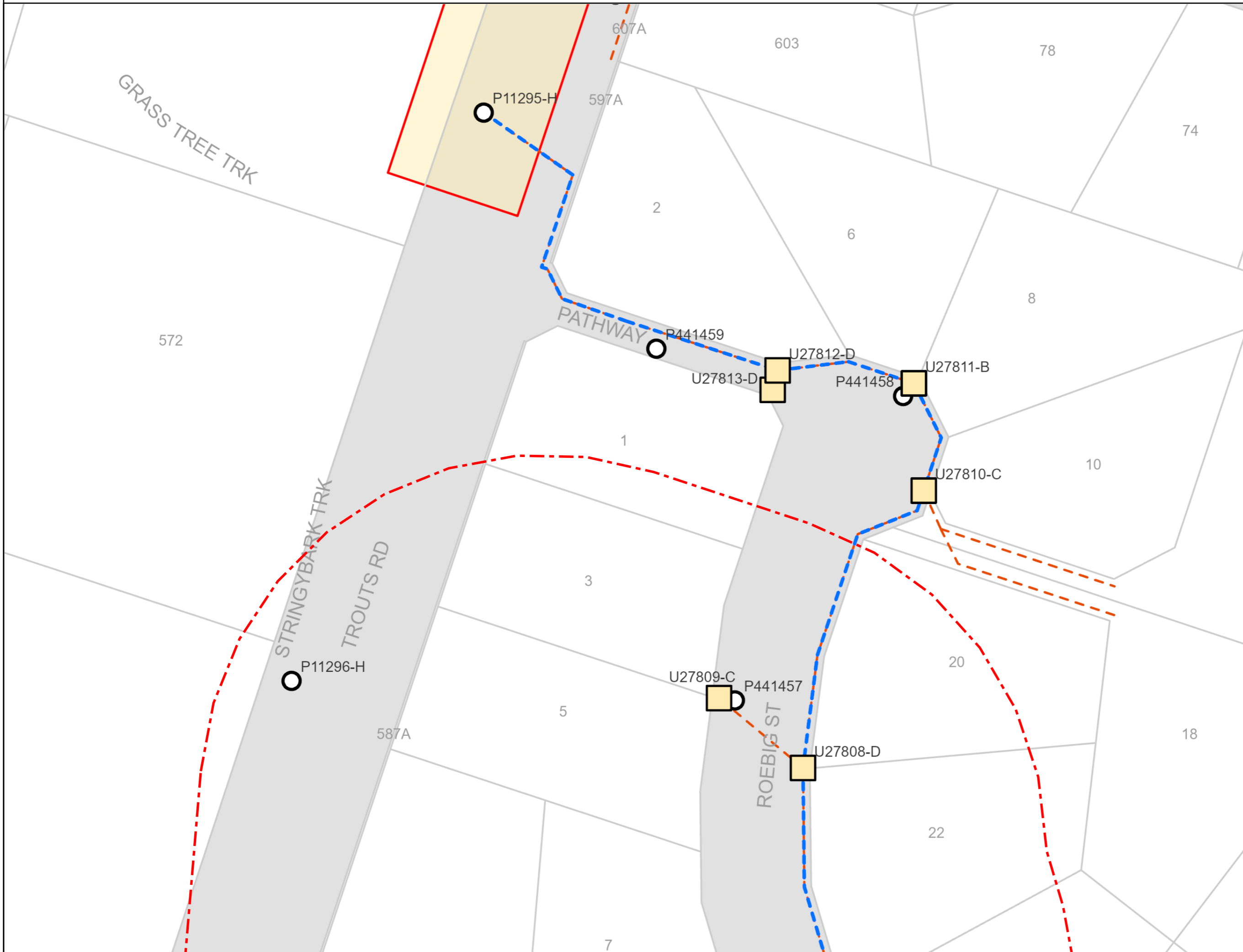
LEGEND

- Substation
- Cable Marker
- Pit
- Pole
- Pillar
- LV Cable (up to 1kV)
- HV Cable (1kV - <33kV)
- HV Cable (33kV and over)
- Pit Boundary
- Planned Work Area

AS5488 Category "D" Plan



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BYDA

Sequence: 268787331
Date: 24/02/2026

Scale: 1:500
Tile No: **Tile No: 2**

CAUTION - HIGH VOLTAGE

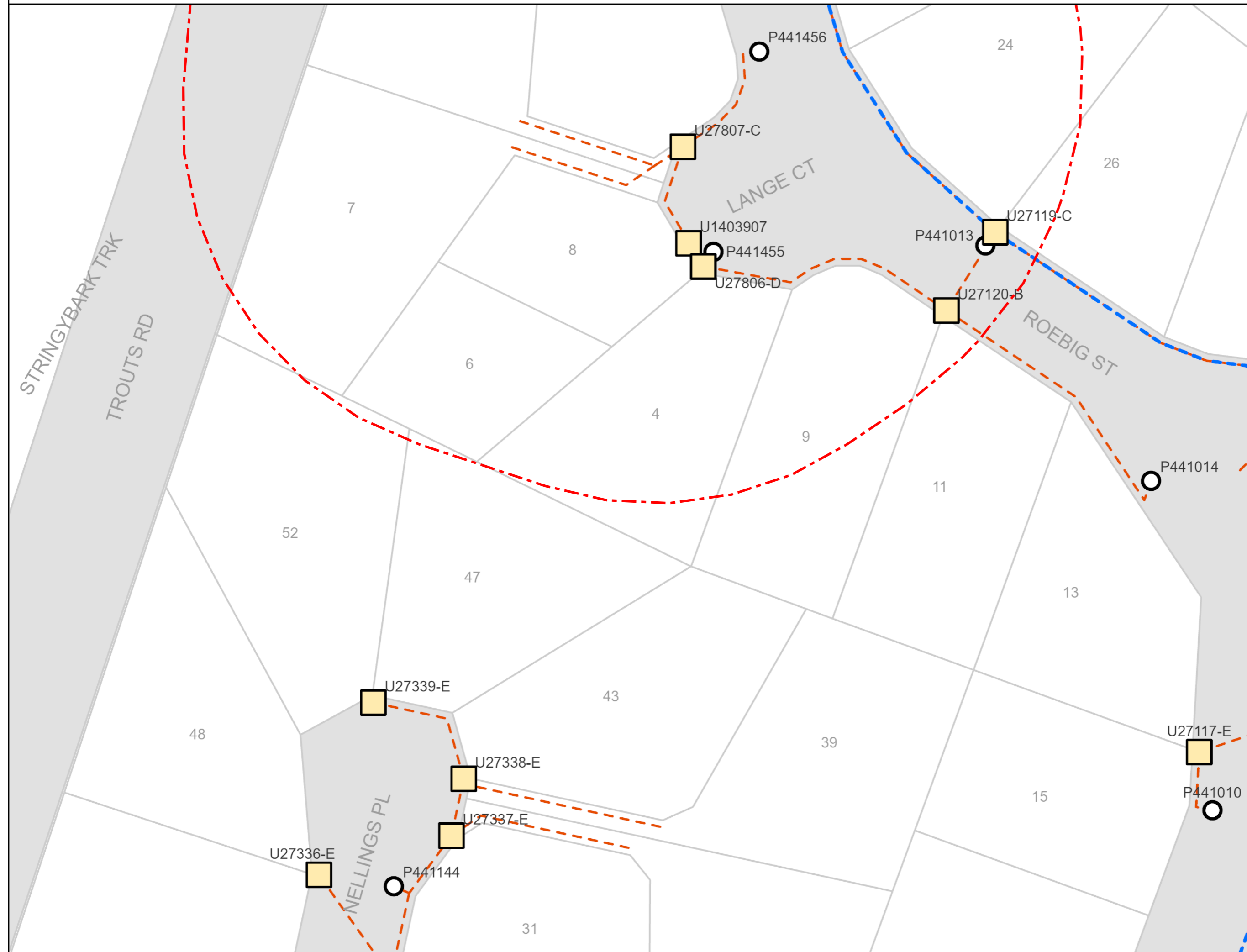
LEGEND

- Substation
- Cable Marker
- Pit
- Pole
- Pillar
- LV Cable (up to 1kV)
- HV Cable (1kV - <33kV)
- HV Cable (33kV and over)
- Pit Boundary
- Planned Work Area

AS5488 Category "D" Plan



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Responsibilities – (When Working in the Vicinity of Energex Assets)

Extreme care must be taken during non-mechanical or mechanical excavation as damage to Energex Assets can lead to injury or death of workers or members of the public. Assets include underground cables, conduits and other associated underground Asset used for controlling, generating, supplying, transforming or transmitting electricity.

In accordance with the Electrical Safety Act 2002, a Person Conducting a Business or Undertaking (PCBU) must ensure the person's business or undertaking is conducted in a way that is electrically safe. This includes:

- a) ensuring that all Assets used in the conduct of the person's business or undertaking are electrically safe;
- b) if the person's business or undertaking includes the performance of electrical work, ensuring the electrical safety of all persons and property likely to be affected by the electrical work; and
- c) if the person's business or undertaking includes the performance of work, whether or not electrical work, involving contact with, or being near to, exposed parts, ensuring persons performing the work are electrically safe.

In addition, a PCBU at a workplace must ensure, so far as is reasonably practicable, that no person, Asset or thing at the workplace comes within an unsafe distance of an underground electric line.

Workers and other persons must also take reasonable care for their own and other person's electrical safety. This includes complying, so far as is reasonably able, with any reasonable instructions given by Energex to ensure compliance with the [Electrical Safety Act 2002](#)

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The following matters must be considered when working near Energex Assets:

The PCBU must ensure, so far as is reasonably practicable, that no person, Asset or thing at the workplace comes within an unsafe distance of an underground electric line (see section 68 of the [Electrical Safety Regulation 2013](#))

1. It is the responsibility of the architect, consulting engineer, developer and head contractor in the project planning stages to design for minimal impact and protection of Energex Assets.
2. It is the constructor's responsibility to:
 - a) Anticipate and request plans of Energex Assets for a location at a reasonable time before construction begins.
 - b) Visually locate Energex Assets by hand or vacuum excavation where construction activities may damage or interfere with Energex Assets.
 - c) notify Energex if the information provided is found to be not accurate or Assets are found on site that are not recorded on the Energex BYDA plans.
 - d) Read and understand all the information and disclaimers provided.

Note: A constructor may include but not limited to a PCBU, Designer, Project Manager, Installer, Contractor, Electrician, Builder, Engineer or a Civil Contractor

3. Comply with applicable work health and safety and electrical safety codes of practice including but not limited to:
 - a) Working near Assets – [Electrical safety codes of practice 2020](#)
 - b) Managing electrical risk in the workplace – [Managing Electrical Risks in the workplace Code of Practice 2021](#)
 - c) [Excavation work – Code of practice 2021](#)

IMPORTANT NOTES:

- As the alignment and boundaries of roadways with other properties (and roads within roadways) frequently change, the alignments and boundaries contained within Energex plans and maps will frequently differ from present alignments and boundaries "on the ground". Accordingly, in every case where it appears that alignments and boundaries have shifted, or new roadways have been added, the constructor should obtain confirmation of the actual position of Energex cables and pipelines under the roadways. In no case should the constructor rely on statements of third parties in relation to the position of Energex cables and pipelines. It is the applicant's responsibility to accurately locate all services as part of the design and/or prior to excavation.
- Energex does not provide information on private underground installations, including consumers' mains that may run from Energex mains onto private property. Assets located on private property are the responsibility of the owner for identification and location.
- Energex plans are circuit diagrams or pipe indication diagrams only and indicate the presence of Asset in the general vicinity of the geographical area shown. Exact ground cover and alignments cannot be given with any certainty; as such levels can change over time.
- All underground conduits are presumed to contain asbestos. Refer to the:
 - [Electrical safety codes of practice 2020](#)
 - [Model Code of Practice: How to manage and control asbestos in the workplace | Safe Work Australia](#)
 - [How to manage and control asbestos in the workplace code of practice 2021 \(Workplace Health and Safety Queensland \(WHSQ\)\)](#)
 - [How to safely remove asbestos code of practice 2021 \(WHSQ\)](#)
- Plans provided by Energex are not guaranteed to show the presence of above ground Assets.
- In addition to underground cables marked on attached plan there could be underground substation, underground earth conductors, Multiple Earthed Neutral(MEN) conductors, Single Wire Earth Return(SWER), substation Earth Conductors, ABS Earth Mats or Consumer Mains in the vicinity or private underground cables (inc. consumers' mains that may run from Energex mains onto private property) in the vicinity of the nominated work area(s) that are not marked on the plans.
- Being aware of Your obligations including but not limited to [ss 304, 305] Excavation work— underground essential services information under the [Work Health and Safety Regulation 2011](#) , Chapter 6 Construction work, Part 6.3 Duties of person conducting business or undertaking. This includes but is not limited to taking reasonable steps to obtain the current information & providing this information to persons engaged to carry out the excavation work. For further information please refer to: - <http://www.legislation.qld.gov.au/LEGISLTN/SLS/2011/11SL240.pdf>
- Energex plans are designed to be printed in colour and as an A3 Landscape orientation.

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Conditions – (When Working in the Vicinity of Energex Assets)

Records:

The first step before any excavation commences is to obtain records of Energex Assets in the vicinity of the work. For new work, records should be obtained during the planning and design stage. The records provided by Energex must be made available to all construction groups on site. Where Asset information is transferred to plans for the proposed work, care must be exercised to ensure that important detail is not lost in the process.

Plans and or details provided by Energex are current for four weeks from the date of dispatch and should be disposed of by shredding or any other secure disposal method after use. A new BYDA enquiry must be made for proposed works/activities to be undertaken outside of the four-week period.

Energex retains copyright of all plans and details provided in connection with Your request.

Energex plans or other details are provided for the use of the applicant, its servants, or agents, and shall not be used for any unauthorised purpose.

On receipt of BYDA plans and before commencing excavation work or similar activities near Energex's Assets check to see that it relates to the area You have requested and carefully locate this Asset first to avoid damage. If You are unclear about any information contained in the plan, You must contact Energex on the General Enquiries number listed below for further advice.

Energex, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and or details so supplied to the applicant, its servants and agents, and the applicant agrees to indemnify Energex against any claim or demand for any such loss or damage.

The contractor is responsible for all Asset damages when works commence prior to obtaining Energex plans, or failure to follow agreed instructions, or failure to demonstrate all reasonable measures were taken to prevent the damage once plans were received from Energex.

Energex reserves all rights to recover compensation for loss or damage caused by interference or damage, including consequential loss and damages to its Assets, or other property.

NOTE: Where Your proposed work location contains Energex 33kV or greater Underground cables please access the [Energex BYDA website](#) for more information.

Location of Assets:

Examining the records is not sufficient, as reference points may change from the time of installation. Records must also be physically proven when working in close proximity to them. The exact location of Assets likely to be affected shall be confirmed by use of an electronic cable and pipe locator followed by **careful hand or vacuum excavation to the level of cable protection cover strips or conduits**. When conducting locations, please be aware that **no** unauthorised access is permitted to Energex Assets– including Pits, Low Voltage Disconnection Boxes, Low Voltage Pillars or High Voltage Link Boxes.

Hand or vacuum excavation must be used in advance of excavators. In any case, where any doubt exists with respect to interpretation of cable records, You must contact Energex on the General Enquires number listed below for further advice.

If the constructor is unable to locate Energex underground Assets within 5 metres of nominal plan locations, they must contact the Energex General Enquires number listed below for further advice.

If unknown cables or conduits (i.e. not shown on issued BYDA plans) are located during excavation:

1. Call the ELECTRICITY EMERGENCIES number listed below
2. Treat Assets as if alive, post a person to keep all others clear of the excavation until Energex crew attend to make safe.
3. All work in the vicinity of damaged Asset must cease and the area must be vacated until a clearance to continue work has been obtained from an Energex officer.

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Asset Installation Methods:

Energex Assets are installed with a variety of protection devices including:

1. Clay paving bricks or tiles marked "Electricity" or similar (also unmarked)
2. Concrete or PVC cover slabs
3. PVC, A/C or fibro conduit, fibre reinforced concrete, iron or steel pipe
4. Concrete encased PVC or steel pipe
5. Thin plastic marker tape
6. Large pipes housing multiple ducts
7. Multiple duct systems, including earthenware or concrete 2, 4, and 6-way ducts and shamrocks

Note: Some Assets are known to be buried without covers and may change depth or alignment along the route.

Excavating Near Assets:

For all work within 2.5 m of nominal location, the constructor is required to hand or vacuum excavate (pothole) and expose the Asset, hence proving its exact location before work can commence.

Cable protection cover strips shall not be disturbed. Excavation below these cover strips, or into the surrounding backfill material is not permitted.

Excavating Parallel to Assets:

If construction work is parallel to Energex cables, then hand or vacuum excavation (potholing) at least every 4m is required to establish the location of all cables, hence confirming nominal locations before work can commence. *Generally, there is no restriction to excavations parallel to Energex cables to a depth not exceeding that of the cable. Note: Cable depths & alignment may change suddenly.*

Separation from Assets:

Any service(s) must be located at the minimum separation as per the tables below:

Table 1. Minimum Separation Requirements for Underground Services Running Parallel with Energex Assets

| (Minimum Separation required in mm) | | | | | | | |
|--|-----|---------------------|---------|--------|-------------------|---------|-------------|
| Voltage Level | Gas | Communication or TV | Water | | Sanitary drainage | | Storm Water |
| | | | ≤DN 200 | >DN200 | ≤DN 200 | >DN 200 | |
| LV | 250 | 100 | 500 | *1000 | 500 | 1000 | 500 |
| HV | | 300 | | | | | |
| *Contact Energex/council to obtain specific separation distances | | | | | | | |

Table 2. Minimum Separation Requirements for Underground Services Crossing Energex Assets

| (Minimum Separation required in mm) | | | | | |
|-------------------------------------|-----|---------------------|-------|-------------------|-------------|
| Voltage Level | Gas | Communication or TV | Water | Sanitary drainage | Storm Water |
| LV & HV | 100 | 100 | 300 | 300 | 100 |

Where the above table does not list a separation requirement for a particular underground service then 300mm shall be used.

Excavating Across Assets:

The standard clearance between services shall be maintained as set down in Table 2 above. If the width or depth of the excavation is such that the Asset will be exposed or unsupported, then Energex shall be contacted to determine whether the Assets should be taken out of service, or whether they need to be protected or supported. In no case shall an Asset cover be removed without approval. An Asset cover may only be removed under the supervision of an Energex authorised representative. Protective cover strips when removed must be replaced under Energex supervision. Under no circumstances shall they be omitted to allow separation between Energex Assets and other services.

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Heavy Machinery Operation Over Assets:

Where heavy "Crawler" or "Vibration" type machinery is operated over the top of Assets, a minimum cover of 450 mm to the cable protective cover mains must be maintained using load bearing protection whilst the machinery is in operation. For sensitive cables (i.e. 33 and 110kV fluid and gas filled cables), there may be additional constraints placed on vibration and settlement by Energex.

Directional Boring Near Assets:

When boring parallel to Assets, it is essential that trial holes are carefully hand or vacuum excavated at regular intervals to prove the actual location of the Asset before using boring machinery. Where it is required to bore across the line of Assets, the actual location of the Asset shall first be proven by hand or vacuum excavation. A trench shall be excavated 1m from the side of the Asset where the auger will approach to ensure a minimum clearance of 500mm above and below all LV, 11kV, 33kV & 110/132kV Asset shall be maintained.

Explosives:

Explosives must not be used within 10 metres of Assets, unless an engineering report is provided indicating that no damage will be sustained. Clearances should be obtained from Energex's Planning Engineer for use of explosives in the vicinity of Energex cables.

Damage Reporting:

All damage to Assets must be reported no matter how insignificant the damage appears to be. Even very minor damage to Asset protective coverings can lead to eventual failure of Assets through corrosion of metal sheaths and moisture ingress.

If any Damaged Asset is found:

1. Call the ELECTRICITY EMERGENCIES number listed below
2. Treat Assets as if alive, post a person to keep all others clear of the excavation until Energex crew attend to make safe.
3. All work in the vicinity of damaged Asset must cease and the area must be vacated until a clearance to continue work has been obtained from an Energex officer.

Solutions and Assistance:

If Asset location plans or visual location of Asset by hand or vacuum excavation reveals that the location of Energex Asset is situated wholly or partly where the developer or constructor plans to work, then Energex shall be contacted to assist with Your development of possible engineering solutions.

If Energex relocation or protection works are part of the agreed solution, then payment to Energex for the cost of this work shall be the responsibility of the, PCBU, principal developer or constructor. Energex will provide an estimated quotation for work on receipt of the PCBU's, developer's or constructor's order number before work proceeds.

It will be necessary for the developer or constructor to provide Energex with a written Safe Work Method Statement for all works in the vicinity of or involving Energex Assets. This Safe Work Method Statement should form part of the tendering documentation and work instruction. Refer Interactive Tool on Safe Work Australia site: [Interactive SWMS guidance tool - Overview \(safeworkaustralia.gov.au\)](https://www.safeworkaustralia.gov.au/interactive-swms-guidance-tool-overview)

Vacuum Excavations (Hydro Vac)

When operating hydro vac equipment to excavate in vicinity of Assets fitted with:

- Nonconductive (neoprene rubber or equivalent) vacuum (suction) hose
- Oscillating nozzle on pressure wand with water pressure adjusted to not exceeding 2000 Pound force per Square Inch(PSI).

Maintain a minimum distance of 200mm between end of pressure wand and underground electrical Assets. DO NOT insert the pressure wand jet directly into subsoil.

Ensure pressure wand is not directly aimed at underground electrical Assets (cables/conduits).

Safety Notices (Underground Work)

It is recommended that You obtain a written Safety Advice from Energex when working close to Energex Assets. For Safety Advice please contact custserve@energex.com.au

Further information on Working Safely around Energex Assets: [Working near powerlines | Energex](#)

Thank You for Your interest in maintaining a safe and secure Electricity Distribution network. Energex welcomes Your feedback on this document via email to byda@energyq.com.au.

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Part of Energy Queensland

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



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Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



1. PURPOSE AND SCOPE

The purpose of this document is to set out the Electricity Entity requirements for anyone who may be contemplating working or operating plant near any Ergon Energy or Energex's overhead or underground electric lines.

2. DEFINITIONS, ABBREVIATIONS AND ACRONYMS

| Term | Definition |
|---------------------------------------|---|
| Applicant | A person contacting or submitting an application to the Electricity Entity for Safety Advice. |
| Authorised Person | For work near an electrical line, means a person who has enough technical knowledge and experience to do work that involves being near to the electrical line; and has been approved by the person in control of the electrical line (Electricity Entity) to do work near to the electrical line. |
| Authorised Person (Electrical) | An Electrical Mechanic or Electrical Linesperson (holding current Queensland Licence) working on behalf of an electrical contractor, an Electrical Contractor, or a person who holds an electrical mechanic licence and is performing work for the person or a relative of the person at premises owned or occupied by the person or relative, and accredited with the Electricity Entity who is permitted to remove and replace LV service fuse(s) when isolation of customer LV service line is required to eliminate the exclusion zone around the LV service line, or to work on the customer's mains and / or switchboard. |
| Earthworks | Any digging, penetration or disturbance of ground including but not limited to post hole digging, excavating, trenching, directional boring, bore hole sinking, driving pickets/posts into ground, cut and fill, dam or levee bank construction, blasting. |
| Electricity Entity | Where Electricity Entity appears throughout this document, it relates to either Energex or Ergon Energy area of responsibility. Refer to respective contact details below. <u>Energex:</u> <ul style="list-style-type: none"> • General Enquiries - ph 13 12 53 • Loss of Supply - ph 13 62 62 • Emergencies - ph 13 19 62 <u>Ergon Energy:</u> <ul style="list-style-type: none"> • General Enquiries - ph 13 74 66 • Loss of Supply - ph 13 22 96 • Emergencies - ph 13 16 70 |
| Exclusion Zone | A safety envelope around an electric line as specified by the Electrical Safety Regulation 2013. |
| RPA (Drone) | Australia's safety laws for remotely piloted aircraft (RPA) / drones are defined under the Civil Aviation Safety Authority. Under this definition the use of RPA's are not classified as Operating plant (section 5.2) as prescribed in this document. |

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



| Term | Definition |
|--------------------------|---|
| Instructed Person | For an electrical line, means a person who is acting under the supervision of an Authorised Person for the electrical line. |
| Safety Advice | A written notice identifying the known electrical hazards at a specific site and advising the control measures required to be implemented by Responsible Person (person responsible for worksite) to reduce the likelihood of harm to person, plant or vehicle at site. |
| Safety Observer | <p>A safety observer or “spotter”, for the operation of operating plant, means a person who:</p> <ul style="list-style-type: none"> (a) observes the operating plant; and (b) advises the operator of the operating plant if it is likely that the operating plant will come within an exclusion zone for the operating plant for an overhead electric line. <p>This is a person who has undergone specific training and is competent to perform the role in observing, warning and communicating effectively with the operator of the operating plant.</p> |
| Untrained Person | For an electrical line, means a person who is not an Authorised Person or an Instructed Person for the electrical line. |

3. REFERENCES

[Electrical Safety Regulation 2013](#): Part 5 - Overhead and Underground Electric Lines

[Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines](#)

[Work Health and Safety Act 2011](#)

[Work Health and Safety Regulation 2011](#)

Energex: [Safety Advice Request Form](#)

Ergon Energy: [Safety Advice Request Form](#)

Copies of the relevant Acts, Regulation and Codes of Practice and any other relevant legislation can be found on the Queensland Government web site - <https://www.worksafe.qld.gov.au/>.

Disclaimer

This document refers to various standards, guidelines, calculations, legal requirements, technical details and other information and is not an exhaustive list of all safety matters that need to be considered.

Over time, changes in industry standards and legislative requirements, as well as technological advances and other factors relevant to the information contained in this document, may affect the accuracy of the information contained in this document. Whilst care is taken in the preparation of this material, Energex and Ergon Energy do not guarantee the accuracy and completeness of the information. Accordingly, caution should be exercised in relation to the use of the information in this document.

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Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



4. ABOUT THIS GUIDE

This guide to working near the Electricity Entity network is designed to assist any person working, contemplating work or operating plant near any Electricity Entity overhead or underground electric lines to meet their duties under the Work Health and Safety Act 2011, Electrical Safety Act 2002, Electrical Safety Regulation 2013 and relevant Codes of Practice including Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines and help to identify the steps needed to ensure risks are minimised for all who work or are likely to be affected by the work in these situations.

“The Electrical Code of Practice 2020 Working Near Overhead and Under Ground Electric Lines” provides practical advice on ways to manage electrical risk when working near electric lines including the exclusion zones that apply. An electronic copy of this Code of Practice as well as, Electrical Safety Act and Regulation is available at the Queensland Government Electrical Safety Office web site at <https://www.worksafe.qld.gov.au/electricalsafety>. You should obtain a copy and read this material, to enable you to fully understand your obligations, and prospective means of complying with them.

4.1. Who does the Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and Electricity Entity Requirements apply to?

A person, worker or Person Conducting a Business or Undertaking (PCBU) at a workplace is required to comply with the Electricity Entity Requirements and the requirements of Electrical Safety Regulation 2013 Part 5 Overhead and Underground Electric Lines and Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines to ensure that no person, plant or thing comes within an unsafe distance (exclusion zone) of an overhead electric line. Compliance with these regulatory requirements is essential to reduce the risk of electric shock and contact with Electricity Entity electric lines and other assets which can have deadly consequences.

Examples of work activities where risk of person, plant or equipment coming near or into contact with overhead electric lines include but are not limited to:

- Pruning or felling trees or vegetation near overhead electric lines, including the service wire into a building.
- Carrying out building work, scaffolding or demolition adjacent to overhead electric lines.
- Painting fascia, replacing roofing, guttering or external cladding near service line point of entry to a building.
- Operating cranes, tip trucks, cane harvesters, elevated work platforms, fork lifts, grain augers, excavators, irrigators, etc near OH electric lines.
- Erecting or maintaining advertising signs or billboards near overhead electric lines.
- Dam or levee bank construction.

Examples of work activities that could involve risk of damage to underground cables or earthing systems include but are not limited to:

- Digging holes, excavating, sawing, trenching, under boring, sinking bore holes, earthworks or laying cables, pipes, etc or driving implements into the ground (e.g. star pickets, fence posts) near where underground cables or earthing systems may be located.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



4.2. Are you working or planning to work near overhead or underground electric lines?

Electrical Safety Regulation Section 68 requires that before carrying out any work at a workplace where there is a risk of any person, plant or thing encroaching the exclusion zone of overhead electric lines, the person, worker or PCBU is required to ensure that the potential hazards are identified, a risk assessment conducted and the necessary control measures implemented to minimise electrical safety risks to ensure the safety of all workers and other persons at the workplace. The Electrical Safety Regulation 2013 and Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines detail the Exclusion Zones that must be maintained.

4.2.1 Work near overhead electric lines

Where a risk assessment has been conducted and control measures implemented in accordance with requirement of Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and Electricity Entity Requirements (this document) and it has identified that exclusion zones from overhead electric lines cannot be maintained, the person, worker or PCBU is then required to contact Electricity Entity and request written Safety Advice (refer Section 4.3 below).

The person, worker or PCBU shall be required to maintain exclusion zones until such times as the Electricity Entity has provided written Safety Advice.

A person, worker or PCBU would not be required to contact the Electricity Entity and request a written Safety Advice where their risk assessment and implemented control measures ensure that exclusion zones from overhead electric lines will be maintained throughout performance of work to be undertaken at a particular site.

4.2.2 Exclusion Zones

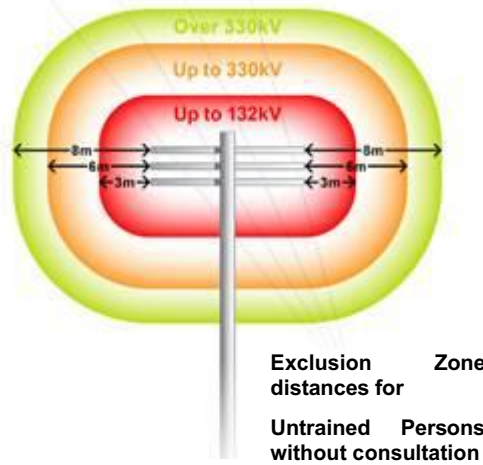
An exclusion zone is a safety envelope around an overhead electric line. No part of a worker, operating plant or vehicle should enter an exclusion zone while the overhead electric line is energised (live).

Exclusion zones keep people, operating plant and vehicles a safe distance from energised overhead lines.

You must keep yourself and anything associated with the work activity out of the exclusion zone (e.g. a safe distance) unless it is not reasonably practicable to do so; and the person conducting a business or undertaking complies with the requirements of Section 68(2) of the Electrical Safety Regulation in relation to:

- conducting a risk assessment.
- implementing control measures
- adhering to any requirements of an Electricity Entity responsible for the line

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



Exclusion Zone - Untrained Person (distances in mm)

| Nominal phase to phase voltage of electric line | Untrained Person | | |
|--|------------------------------|-----------------|--------------------|
| | Person | Operating Plant | Operating Vehicles |
| Insulated LV: Consultation with and verified by the Entity | No exclusion zone prescribed | 1000 | 300 |
| LV with NO consultation with Electricity Entity | 3000 | 3000 | 600 |
| LV With consultation with Electricity Entity | 1000 | | |
| >LV up to 33 kV with NO consultation with Electricity Entity | 3000 | | 900 |
| LV up to 33 kV with consultation with Electricity Entity | 2000 | | |
| >33 kV up to 132 kV | 3000 | 6000 | 2100 |
| >132 kV up to 220 kV | 4500 | | 2900 |
| >220 kV up to 275 kV | 5000 | | |
| >275 kV up to 330 kV | 6000 | | 3400 |

(information extracted from Electrical Safety Regulation 2013 Schedule 2)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



Exclusion Zone - Instructed Person and Authorised Person (distances in mm)

| Nominal phase to phase Voltage of electric line | Instructed Person (IP) & Authorised Person (AP) | | |
|--|---|---|------------------------------|
| | AP and IP | Operating Plant with Safety Observer or another Safe System of work | Operating of Vehicles |
| Insulated LV: Consultation with and verified by the Entity | No exclusion zone prescribed | No exclusion zone prescribed | No exclusion zone prescribed |
| LV | No exclusion zone prescribed | 1000 | 600 |
| >LV up to 33 kV | 700 | 1200 | 700 |
| >33 kV up to 50 kV | 750 | 1300 | 750 |
| >50 kV up to 66 kV | 1000 | 1400 | 1000 |
| >66 kV up to 110 kV | | 1800 | |
| >110 up to 132 | 1200 | | 1200 |
| >132 kV up to 220 kV | 1800 | 2400 | 1800 |
| >220 kV up to 275 kV | 2300 | 3000 | 2300 |
| >275kV up to 330kV | 3000 | 3700 | 3000 |

(information extracted from Electrical Safety Regulation 2013 Schedule 2)

4.2.3 Work near underground electrical lines (underground electrical assets)

Before carrying out any earthworks at a location, the person, worker or PCBU is required to ensure that the potential hazards are identified, a risk assessment conducted, and the necessary control measures implemented to minimise the risk of damaging identified or unidentified underground electrical assets and to ensure the safety of all workers and other persons at the workplace. The Electrical Safety Regulation 2013 and Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and Electricity Entity Requirements detail the requirement for work near underground electric lines.

4.3. Obtaining Safety Advice

To obtain written Safety Advice where identified as being required in Section 4.2.1 above, complete the Safety Advice Request Form which is accessible via the Electricity Entity website:

Energex: [Safety Advice Request Form](#)

Ergon Energy: [Safety Advice Request Form](#)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



On receipt, the Electricity Entity will contact the Applicant to advise date and time to meet at site to provide written Safety Advice. It is advisable to bring to the meeting your copy of the Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines (and Before You Dig Australia Plan for location of underground assets where required), as reference to this will be necessary during the meeting. Control measures provided by the Electricity Entity may incur a fee.

Failure to adhere to the Electrical Safety Regulation Section 68 requirements and mandatory control measures as documented on written Safety Advice as issued will result in written non-compliance advice being sent to the Electrical Safety Office.

Where this work is required to occur on a regular basis at a workplace, the PCBU may consider arranging to have one or more employees trained and subsequently accredited with the Electricity Entity as Authorised Persons.

4.4. Authorised Person and how to become one?

Under the Electrical Safety Regulation 2013, the exclusion zones for working near or operating plant or vehicles near exposed, low voltage or high voltage electric lines vary depending on whether a person is classed as an “Untrained Person”, “Authorised Person” or “Instructed Person”. An Authorised Person is permitted to carry out work closer to the electric lines than an Untrained Person (refer Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines Appendix B Exclusion Zones for Overhead Electric Lines).

To become an Authorised Person, the employer / self-employed person must first satisfy the “person in control” of the electric line, in this case the Electricity Entity, that their Applicants possess the required competencies. They must then apply in writing to Electricity Entity for approval.

Removal or replacement of LV service fuse to permit work on consumers’ mains, installation switchboard, consumer’s terminals or eliminate an exclusion that would exist requires the Electrical Mechanic to hold a current Queensland Electrical Mechanic Licence and perform the work in accordance with their documented safe system of work.

An ‘Authorised Person’ Electrical **must not**:

- a. confirm the insulation properties of Ergon Energy Network or Energex electric lines;
- b. work on or have direct contact with the works of an electricity entity (the works of Ergon Energy Network or Energex) including the entities’ electrical lines, electrical installations, electrical equipment or other entity infrastructure unless specifically approved;
- c. replace a blown low voltage (**LV**) fuse after loss of supply to a customer’s connection;
- d. reinstate an LV service fuse that has been removed by Ergon Energy Network or Energex;
- e. alter, remove or relocate an Ergon Energy Network or Energex overhead LV service line or LV pillar connection;
- f. perform LV isolation within locked Ergon Energy Network or Energex assets;
- g. perform unauthorised work within locked Ergon Energy Network or Energex assets; or
- h. climb Ergon Energy Network or Energex electricity poles or other infrastructure.

An Authorised Person’ Electrical **is approved** to undertake the following activities:

- i. work on or near the point of attachment of Ergon Energy’s or Energex’s termination;
- j. remove and replace LV service fuses when required to isolate a service line to eliminate the exclusion zone around the LV service line, or to work on the Customer’s consumer mains or switchboard;
- k. isolate a Customer’s LV service line at an underground pillar or service pole by removing a fuse wedge(s) from a service line, in accordance with electricity industry practices; or

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



- I. Safety Observing under schedule 2 of the *Electrical Safety Regulation 2013 (Qld)* for the operation of operating plant, after receiving appropriate training to perform the role.

An 'Authorised Person' Non-Electrical **must not**:

- a. confirm the insulation properties of Ergon Energy Network or Energex electric lines;
- b. work on or have direct contact with the works of an electricity entity (the works of Ergon Energy Network or Energex) including the entities' electrical lines, electrical installations, electrical equipment or other entity infrastructure unless specifically approved; or
- c. climb Ergon Energy Network or Energex electricity poles or other infrastructure.

An 'Authorised Person Non-Electrical' **is approved** to undertake the following activities:

- d. Safety Observing under schedule 2 of the *Electrical Safety Regulation 2013 (Qld)* for the operation of operating plant, after receiving appropriate training to perform the role.

Websites

Energex: [Authorised person | Energex](#)

Ergon Energy: [Authorised person | Ergon Energy](#)

4.5. Contacting Electricity Entity for Safety Advice or Authorised Person Enquiries

By phone: Call Electricity Entity on General Enquiries phone number:

Energex:

- General Enquiries - ph 13 12 53

Ergon Energy:

- General Enquiries - ph 13 74 66

By email

Authorised Persons: AuthorisedPerson@energyq.com.au

Safety Advice: SafetyAdvice@energyq.com.au

Websites

Energex: [Safety advice | Energex](#)

Ergon Energy: [Safety advice | Ergon Energy](#)

5. OVERHEAD ELECTRIC LINES

The following table sets out preparatory work options that may be required to be performed by the Electricity Entity (or electrical contractor where identified as being permitted who is an Authorised Person - Electrical) to assist a person, worker or PCBU in minimising the electrical safety risks of, encroaching within the exclusion zone or, contact with electric lines.

| Category of work | | Description | Costing arrangement |
|----------------------|------------------|--|------------------------------|
| Safety Advice | Base information | Provide Safety Advice (Can only be performed by the Entity) | Nil cost to customer. |

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



| Category of work | Description | Costing arrangement |
|--|--|---|
| LV Service isolation | 1. Isolation carried out by customer's electrical contractor | No involvement by the Electricity Entity. May be a cost charged by the customer's electrical contractor. |
| | 2. Isolation carried out by Electricity Entity | Customer requested isolation of overhead or underground service by removal of the service fuse(s) or Customer requested physical disconnection and reconnection of overhead or underground service. |
| Insulation integrity verification | 3. Verification of insulation integrity to reduce exclusion zone to no exclusion zone prescribed e.g. no contact permitted | Cost to customer. |
| Service replacement | 4. Open wire service, service fuse(s) at house/building | Nil cost to customer for service replacement. Customer responsible for necessary installation, Mains Connection Box and service support bracket upgrade and associated costs if required. |

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



| Category of work | | Description | Costing arrangement |
|-----------------------|--|--|--|
| | | <p>Service installations where:</p> <ol style="list-style-type: none"> the consumer's mains cannot be insulated and an exclusion zone must be maintained, and the service cannot be isolated at the service fuse. <p>Service to be isolated by breaking the service cable connection to the LV mains at the pole. Service fuse(s) to be installed at origin (pole end) of service prior to reconnection.</p> | <p>Nil cost to customer for first disconnection and reconnection.</p> <p>Cost to customer for subsequent requests.</p> |
| | 5. All other service replacements | Customer requested replacement of existing service with new XLPE service cable to classify as insulated service, in lieu of isolation, to allow work close (no exclusion zone prescribed e.g. no contact permitted). Service fuse(s) to be installed at origin (pole end) of service. | <p>Cost to customer for service replacement.</p> <p>Customer responsible for necessary installation, Mains Connection Box and service support bracket upgrade and associated costs if required.</p> |
| Tiger Tails | Installation of Tiger Tails (for visual indication only - not for providing electrical insulation of LV mains) | <p>Customer requested coverage of LV mains for visual indication only (not permitted on HV mains).</p> <p>The Entity may also fit tiger tails to LV service line for visual indication only.</p> | Cost to customer. |
| Aerial Markers | Installation of aerial marker flags or rota markers (for visual indication only) | Customer requested temporary or permanent installation of appropriate aerial marker devices on LV or HV mains. | Cost to customer. |
| Switching | Customer requested switching | Customer requested switching to allow customer/contractor to work close (no exclusion zone prescribed e.g. no contact permitted). | Cost to customer. |

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

5.1. Isolation of supply to customer installation to eliminate exclusion zone around LV service line

An Electrical Mechanic (holding current Queensland Licence) working on behalf of an electrical contractor and accredited with the Electricity Entity as an Authorised Person (Electrical) is permitted to remove and replace LV service fuse(s) when isolation of customer LV service line is required to eliminate the exclusion zone around the LV service line, or to work on the customer's mains and/or switchboard. Isolation of the customer's LV service line by an Authorised Person (Electrical) is only permitted at an underground service pillar or service pole by removing a fuse wedge(s) from a service line, in accordance with Electricity Industry practices e.g. from ground level using appropriate insulated tools, PPE and insulating mats. In those situations where the service fuse/circuit breaker is not located at supply end of the LV service, contact the Electricity Entity to arrange for Safety Advice where elimination of exclusion zone around LV service line is required.

Any controls used by the Authorised Person (Electrical) to identify and confirm isolation and ensure supply to the customer's installation is not inadvertently re-energised shall comply with Electrical Safety Regulation 2013 Section 14 and 15 requirements.

NOTE: The Authorised Person (Electrical) will not be permitted to replace a blown LV service fuse(s) after loss of supply to a customer's installation or to alter the Electricity Entity overhead LV services. The low voltage pole top service fuse shall only be removed by use of an approved, in test, insulated telescopic pole device while standing at ground level and wearing class 00 insulating gloves. At no time is it permissible for an Authorised Person (Electrical) to climb or work aloft on the Electricity Entity's poles or assets unless approved by the Electricity Entity.

5.2. Operating Plant

It can be extremely difficult for operating plant operators to see overhead lines and to judge distances from them. Contact with overhead lines can pose a risk of grounding live conductors and electrocution.

In many cases the likelihood of damage or injury can be reduced by setting up and operating the machinery well clear of overhead electric lines.

In situations where operating plant is operated by an Authorised Person or Instructed Person without a Safety Observer or another safe system, the exclusion zone requirements (refer Section 1) for an Untrained Person applies (refer Electrical Safety Regulation 2013 Schedule 2 or Electrical Safety Code of Practice 2020 Working Near Overhead and Underground Electric Lines).

For an Authorised or Instructed Person and their Operating Plant to approach overhead electric lines closer than the exclusion zone distances for an Untrained Person, a Safety Observer or another safe system shall be used. Refer to the Electrical Safety Regulation 2013 and the Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines for exclusion zone distances for Authorised and Instructed Persons operating plant with a Safety Observer or another safe system.



Where a Safety Observer is used, the Safety Observer shall:

- Be trained to perform the role.
- Not be required to carry out any other duties at the time, and
- Not be required to observe more than one item of plant operating at a time, and
- Attend all times when the item of plant is operating.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



Other control measures for operating plant may include, but are not restricted to:

- Constructing physical barriers or height warning indicators either side of the overhead electric line that are lower than the maximum travel height permissible without encroaching within the exclusion zone of the overhead electric line.
- Applying appropriate signage at least 8 to 10 m either side of overhead electric lines.
- Arrange for visual indicators such as Rota Markers, Tiger Tails or aerial markers to fitted to the overhead electric lines - only erected by the Electricity Entity (tiger tails are only permitted on LV mains).
- Ground barriers, where appropriate.
- Informing workers of required work practices.
- Ensuring operators are aware of the height and reach of their machinery in both stowed and working positions.
- Lowering all machinery to the transport position when relocating.
- Providing workers with maps or diagrams showing the location of underground and overhead electric lines, and
- Where possible, directing work away from overhead electric lines not towards them.

5.3. Scaffolding Requirements

The following information provided is for guidance only and shall be read in conjunction with the Electrical Safety Regulation 2013, Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and AS/NZS 4576:1995: Guidelines for Scaffolding.

Requirements shall be complied with where scaffolding is required to be erected within 4 m of nearby overhead electric lines:

- The scaffolding shall not be erected before contacting and obtaining Safety Advice from the Electricity Entity.
- Erection of scaffolding to comply with requirements of AS/NZS 4576:1995: Guidelines for Scaffolding.

The scaffolding can be either:

- nonconductive material scaffolding; or
- metallic scaffolding with solid nonconductive barriers (with no gaps, holes or cuts) securely fixed to the outside and/or top of the scaffolding to prevent encroachment within exclusion zones or contact with the energised mains.

Where scaffolding is erected within 3 m of nearby overhead electric lines:

- It shall be fitted with fully enclosed non-conductive solid barriers to prevent encroachment within exclusion zones or contact with the energised mains fully enclosed.
- The person required to erect and/or disassemble scaffolding as well as the required solid barrier affixed to the scaffolding should be an Authorised Person (approved in writing by the Electricity Entity - refer requirements of Section 1.4 of this Reference).
- A Safety Observer shall be used during performance of this work where there is a risk of encroachment within 3 m of nearby energised overhead electric lines for voltages up to 33 kV. Additional requirements may apply for voltage levels above 33 kV, contact the Electricity Entity for consultation.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



- Alternatively, consideration should be given to the de-energisation of the nearby electric lines where possible for the duration of this work. Additional requirements may apply for voltage levels above 33 kV, contact the Electricity Entity for consultation.
- Comply with the horizontal and vertical statutory clearances from overhead electric lines as set out in Electrical Safety Regulation 2013 Schedule 4.
- Persons are not permitted to go outside of or climb on top of the solid barrier fixed on the outside and/or top of the scaffolding.

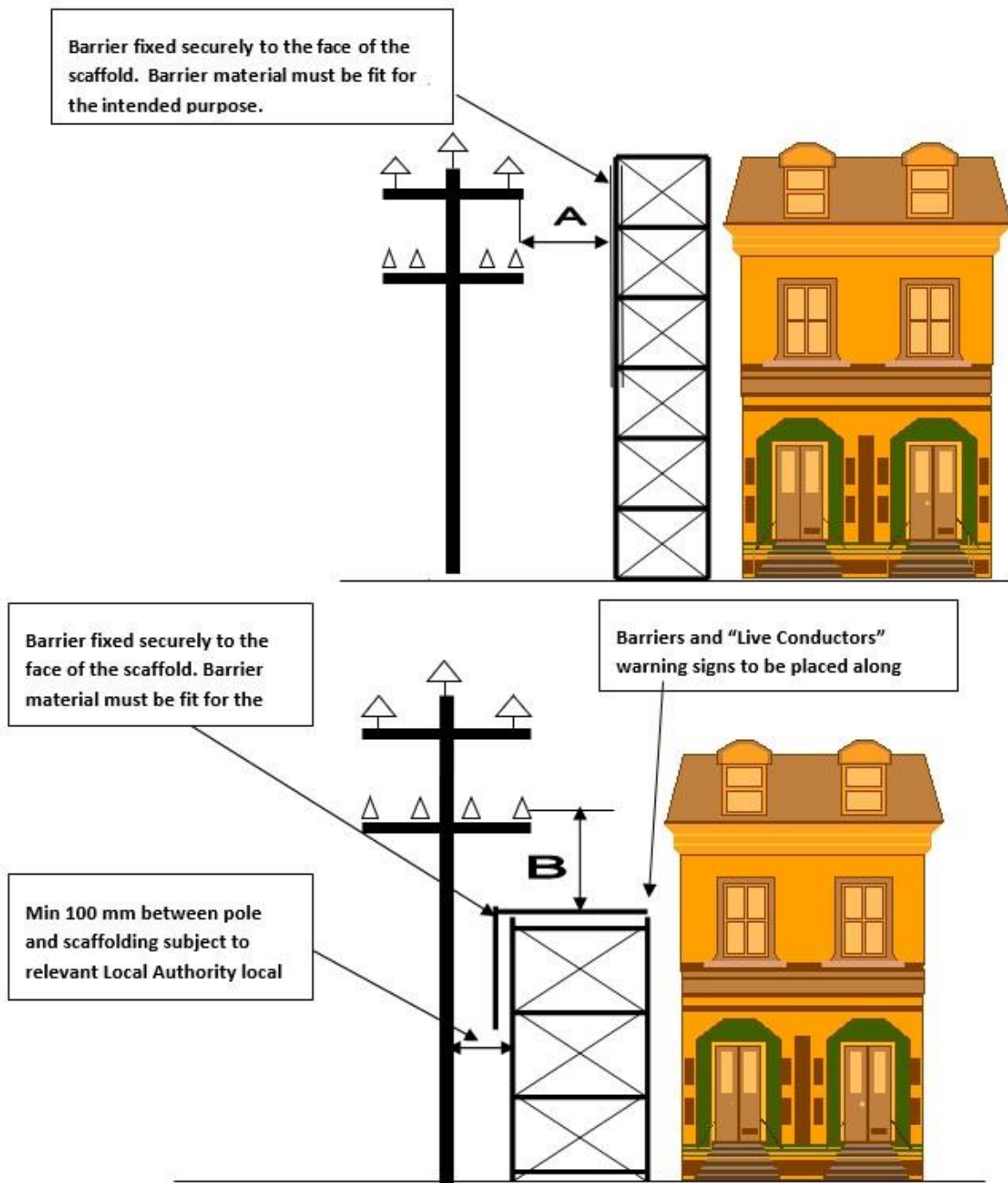
Where an insulated low voltage service line passes through the scaffolding, it should either be de-energised for duration of work or be fully enclosed by non-conductive material (e.g. form ply).

Minimum statutory clearances from nearby overhead electric lines for scaffolding erected with barriers affixed.

| Voltage Level | Horizontal Distance "A" (in metres) | Vertical Distance "B" (in metres) |
|--|--|-----------------------------------|
| Low voltage conductors (uninsulated) | 1.5m | 2.7m |
| Low voltage conductors (insulated) - these distances can only be applied after the integrity of the insulation has been verified by the Electricity Entity | 0.3m | 0.6m |
| Above LV and up to 33 kV (uninsulated) | 1.5m | 3.0m |
| Above LV and up to 33 kV (insulated) | Contact Electricity Entity for consultation. | |
| Above 33 kV (uninsulated) | Additional requirements may apply for voltage levels above 33 kV, contact the Electricity Entity for consultation. | |

NOTE: Dimensions "A" and "B" is between the scaffolding and the closest conductor of the overhead electric line. Dimension B is also taken from the lowest part of the mid span sag adjacent to the scaffolding.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



5.4. High Load transport under Overhead Electric Lines

Any person or company transporting a High Load (load in excess of 4.6 m high) under overhead electric lines must comply with Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and is required to submit a Notification to Transport High Load form to the relevant Electricity Entity of the intended route and details of the high load involved. Before any person or company can transport a high load (load in excess of 4.6 m high), authorisation to travel must be received in writing from the Electricity Entity. Refer details below to contact the Electricity Entity for high load enquiries or to submit [Notification to Transport High Load form](#):

Email: highloads@energyq.com.au

Phone: (07) 4932 7566 (7:30am to 3:00pm, Monday to Friday)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



Energex: [Vehicles with high loads | Energex](#)

Ergon Energy: [Vehicles with high loads | Ergon Energy](#)

The Road Transport Operator has the overarching responsibility of transporting the load and is required to comply with the directions of the police, pilot, High Load Escort, and Energex / Ergon Energy Network.

When arranging the transporting of the high load, the Road Transport Operator shall determine the lowest practicable height that the load can be reduced to.

The Road Transport Operator is to have a Safe System of Work in place that supports the safe transportation of the High Load so as not to breach any exclusion zone to Entity powerlines or assets along the travel route.

5.5. Additional Details and Fact Sheets on Electricity Entity Requirements

Additional details and Fact Sheets on Electricity Entity requirements for working near overhead electric lines are located on the following internet sites

Energex: [Working near powerlines | Energex](#)

Ergon Energy: [Working near powerlines | Ergon Energy](#)

6. UNDERGROUND ELECTRICAL ASSETS

6.1. Responsibilities When Working in the Vicinity of Electricity Entity Underground Electrical Assets

Everyone has a legal “Duty of Care” that must be observed when working in the vicinity of underground electrical assets which includes underground cables, conduits and other associated underground equipment. When discharging this “Duty of Care” in relation to Electricity Entity underground electrical assets, the following points must be considered:

1. It is the responsibility of the architect, consulting Engineer, developer, and principal contractor in the project planning stages to design for minimal impact and protection of Electricity Entity underground electrical assets. The Electricity Entity will provide plans on request via BYDA showing the presence of the underground electrical assets to assist at this design stage.
2. It is the constructor’s responsibility to:
 - a. Anticipate and request BYDA plans of Electricity Entity underground electrical assets for a particular location at a reasonable time before earthworks begins.
 - b. Visually locate Electricity Entity underground electrical assets by use of an electronic cable locator followed by careful non-mechanical excavation (potholing using hydrovac or hand tools) when earthworks activities may damage or interfere with Electricity Entity plant.
 - c. After completion of steps (a) and (b) above, if there is a risk of the Electricity Entity underground electrical assets being damaged or its structural integrity compromised by your planned earthworks activities, contact the Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

A constructor may include but not limited to designer, project manager, installer, contractor, civil contractor.

3. The alignments and boundaries contained within BYDA plans and maps will sometimes differ from present alignments and boundaries “on the ground”. Accordingly, in every case, the constructor should obtain confirmation of the actual position of Electricity Entity cables and pipelines under the roadways by non-mechanical excavation (potholing using hydrovac or

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

hand tools) when earthworks activities may damage or interfere with Electricity Entity underground electrical assets. In no case should the constructor rely on statements of third parties in relation to the position of Electricity Entity underground electrical assets.

6.2. Conditions of Supply of Information

- Plans and details of Electricity Entity underground electrical assets provided by BYDA are only current for 4 weeks from the date of dispatch and should not be referred to after this period, if you go past this time, please re-apply to BYDA as underground services may have been updated.



- The Electricity Entity agrees to provide plans if an Electricity Entity underground electrical assets location request is made to Before You Dig Australia (BYDA), online at <https://www.byda.com.au> or the free iPhone Application, only on the basis that at least 2 business day notice is given and the BYDA applicant agrees to the terms of this agreement.

Note that the Electricity Entity only provides information on underground electrical assets it owns. Contact the owner of any privately owned underground electrical assets for details of their assets located at site.

- The Electricity Entity retains copyright of all plans and details provided in connection to your request.
- BYDA plans or other details are provided for the use of the BYDA applicant, its servants, or agents, for the sole purpose of the applicant's responsibilities in relation to the Electricity Entity underground electrical assets and shall not be used for any other purpose.
- BYDA plans are diagrams only and indicate the presence of Electricity Entity underground electrical assets in the general vicinity of the geographical area shown. Exact ground cover and alignments cannot be given with any certainty as such levels can change over time.
- On receipt of BYDA plans and before commencing excavation work or similar activities near Electricity Entity's underground electrical assets, carefully locate this plant first to avoid damage.
- The Electricity Entity, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and of details so supplied to the BYDA applicant, its servants or agents, and the BYDA applicant agrees to indemnify the Electricity Entity against any claim or demand for any such loss or damage to the BYDA applicant, its servants, or agents or to any third party.
- The constructor is responsible for all damages to the Electricity Entity underground electrical assets when work commences prior to obtaining BYDA plans, or at any time after that for failure to follow agreed instructions contained in this document or any other advice provided by the Electricity Entity.
- By undertaking any work, you acknowledge that the Electricity Entity reserves all rights to recover compensation for loss or damage to the Electricity Entity caused by interference or damage, including consequential loss and damage to its cable network, or other property.
- Be aware that some underground conduits may contain asbestos. Refer to "Code of Practice for the Management and Control of Asbestos in Workplace [NOHSC: 2018 (2005)]" for guidance.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

6.3. When Working in the Vicinity of Electricity Entity Underground Electrical Assets, You Must Observe the Following Conditions

6.3.1 Records

The first step before any excavation commences is to obtain BYDA plans of Electricity Entity underground electrical assets in the vicinity of the work. For new work, records should be obtained during the planning and design stage. The records provided by BYDA must be made available to all relevant work groups on site. Where underground electrical asset information is transferred to plans for the proposed work, care must be exercised that important detail is not lost in the process.

6.3.2 Location of underground electrical assets

Examining the records is not sufficient, as reference points may change from the time of installation. Records must also be physically proven when working in close proximity to underground electrical assets. The exact location of underground electrical assets likely to be affected shall be confirmed by use of an electronic cable locator followed by careful non mechanical excavation to the level of concrete slabs or conduits. Non mechanical excavation (potholing using hydrovac or hand tools) must be used in advance of excavators. In any case, where doubt exists with respect to interpretation of cable records, contact the Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

If during excavation, cables or conduits are damaged:

- call Electricity Entity (Emergencies phone number - refer page 3) to report damaged cables or conduits.
- treat cables as if alive, post a person to keep all others clear of the excavation until the Electricity Entity crew attend to make safe.

If **unknown** cables or conduits (e.g. not shown on issued BYDA plans) are located during excavation:

- call Electricity Entity (Emergencies phone number - refer page 3) to report.
- treat cables as if alive, post a person to keep all others clear of the excavation until the Electricity Entity crew attend to make safe.

If the constructor is unable to locate Electricity Entity underground electrical assets within 2.5 m of nominal plan locations, they should contact the Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

6.3.3 Remote or On-Site Cable Location conducted by Electricity Entity

This service shall only be provided at Electricity Entity's discretion:

- The Electricity Entity may provide this site visit only when underground cables (33 kV or above) are present.
- Due to remote locations where external cable locator or hydro vac service providers are not readily available, Electricity Entity may attend site and assist with cable location (fees may apply for this service).
- The Electricity Entity may provide either remote over the phone or on-site cable location advice to assist in the location of Electricity Entity underground electrical assets, including how to visually locate and protect the plant when excavating.
- Where the Electricity Entity provides on-site cable location advice, any markings provided for the purpose of identifying cable location are for general guidance only, and the constructor

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

is still responsible for non-mechanical excavation (potholing using hydrovac or hand tools) to visually locate Electricity Entity underground electrical assets.

- If the constructor is unable to locate Electricity Entity underground electrical assets within 2.5 m of nominal plan locations, they should contact Electricity Entity (General Enquiries phone number - refer page 3) to request further advice.

6.3.4 Electrical Cables

Electricity Entity cables may have warning covers e.g.:

- Clay paving bricks or tiles marked “Electricity” or similar (also unmarked)
- Concrete or PVC cover slabs
- PVC, asbestos or fibro conduit, fibre reinforced concrete, iron or steel pipe
- Concrete encased PVC or steel pipe
- Thin plastic marker tape
- Large pipes housing multiple ducts
- Multiple duct systems, including earthenware or concrete

NOTE: Some cables are known to be buried without covers.

6.3.5 Separation from Electricity Entity underground electrical assets

If location plans or visual location of Electricity Entity underground electrical assets by non-mechanical excavation (potholing using hydrovac or hand tools) reveals that the location of Electricity Entity underground electrical assets is situated where the developer or constructor plans to work, then contact the Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

The developer or constructor shall ensure that minimum separation distance from Electricity Entity underground electrical assets (refer Minimum Separation Requirements tables below) is complied with when installing, altering or repairing other underground services located in the vicinity.

If the Electricity Entity relocation or protection works are part of the agreed solution, then payment to the Electricity Entity for the cost of this work shall be the responsibility of the principal developer or constructor. The Electricity Entity will provide an estimate for work on receipt of the developer’s or constructor’s order number before work proceeds.

It will be necessary for the developer or constructor to provide the Electricity Entity with a written Work Method Statement for all works in the vicinity of, or involving Electricity Entity underground electrical assets. This Work Method Statement should form part of the tendering documentation and work instruction. All Work Method Statements shall be submitted to the Electricity Entity prior to the commencement of site earthworks.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



Minimum Separation Requirements

| Underground Services Running Parallel with Electricity Entity Electrical Assets (Minimum Separation required in mm) | | | | | | | |
|--|---------------|---------------------|---------|--------|-------------------|---------|-------------|
| Voltage Level | Gas | Communication or TV | Water | | Sanitary drainage | | Storm Water |
| | | | ≤DN 200 | >DN200 | ≤DN 200 | >DN 200 | |
| LV | 300 (Ergon) | 100 | | | | | |
| HV | 250 (Energex) | 300 | 500 | *1000 | 500 | 1000 | 500 |

*Contact your local utility/council to obtain specific separation distances

| Underground Services Crossing Electricity Entity Electrical Assets (Minimum Separation required in mm) | | | | | |
|---|-----|---------------------|-------|-------------------|-------------|
| Voltage Level | Gas | Communication or TV | Water | Sanitary drainage | Storm Water |
| LV | 100 | 100 | 300 | 300 | 100 |
| HV | | | | | |

Notes:

- These clearances are each Electricity Entity's minimum requirements, additional separation may be required by the Service Owner. The greater of the separation requirements shall apply.
- Where the above tables do not list a separation requirement for a particular underground service type, the following minimum separation from electricity entity electrical assets shall apply:
 - LV = 100 mm
 - HV = 300 mm
- Compliance with these minimum separation requirements does not guarantee that issues such as Earth Potential Rise (EPR) and Low Frequency Induction (LFI) are managed, where these issues need to be managed, advice will need to be sought from an RPEQ Engineer
- All separation distances are measured from the exterior surface of the conduit / cable not centrelines or inner wall surfaces.

6.4. Additional Details and Fact Sheets on Electricity Entity Requirements

Additional details and Fact Sheets on Electricity Entity requirements for working near underground electrical assets are located on the following internet sites.

Energex: [Working near powerlines | Energex](#)

Ergon Energy: [Working near powerlines | Ergon Energy](#)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

7. EXCAVATION

7.1. Excavating near Poles and Stay Wires

The following requirements are to be compiled with to minimise the risk of compromising the structural integrity of the Electricity Entity poles and stay foundations when excavation or trenching work is performed nearby that could result in the failure of one or more poles and grounding of supported electric lines.

- Excavation and trenching work undertaken by a person, worker or PCBU in the vicinity of poles and stay foundations shall:
 - only be commenced after requirements of Section 3 have been complied with for any underground electrical assets located within the work site.
 - upon completion of excavation and site earthworks do not restrict the Electricity Entity vehicle access to pole site for purpose of carrying out maintenance activities.
 - comply with exclusion zones as detailed in the Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines.
 - not be attempted:
 - within 5 m (horizontal distance) of **pole stays** where the excavation depth is greater than 250 mm before contacting the Electricity Entity to determine requirements.
 - within 5 m (horizontal distance) of Electricity Entity poles with earth leads or cables running down into the ground before contacting the Electricity Entity to determine requirements.
 - within “Do Not Disturb” zone of pole prior to a certified engineering assessment having been completed by a Registered Professional Engineer Queensland, and then reviewed and approved by the Electricity Entity before proceeding with work. Approval by the Electricity Entity shall not relieve the PCBU of its duties to perform the work in a safe and proper manner and in accordance with all applicable legislation.
 - if the soil is exceedingly wet (saturated) or there is more than minimal wind loading unless additional pole support is provided in accordance with certified engineering assessment and approved by Electricity Entity.
 - when a severe weather event is occurring or expected (e.g. severe weather warning has been issued by Bureau of Meteorology).
- be backfilled as soon as possible (within same day where pole is required to be supported) soil mechanically compacted in layers of 150 mm and all rock and vegetable material excluded from the backfill.
- be backfilled and pole stabilised before removal of additional support required by a certified engineering assessment are permitted to be removed.

The PCBU shall be responsible for arrangement and costs of required certified engineering assessments, approvals by other regulatory bodies (eg councils, Main Roads, pipeline owners, telecommunication owners) and placement and removal of associated pole supporting equipment.

Electricity Entity poles must not be fitted with non-approved pole holding devices.

Only approved mechanical holding devices (e.g. Proline, Borer Lifter, etc) used in accordance with a certified engineering assessment are permitted and shall be:

- only attached and removed by the Electricity Entity or persons approved by the Electricity Entity.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

- used to restrain both the pole head and foot to maintain pole stability during nearby excavation work.
- set up and positioned to maximise support effectiveness and minimise impact on traffic, pedestrian, excavation and machinery at site; and maintain exclusion zone from overhead lines. If insufficient clearance exists to maintain exclusion zones to pole supporting equipment, arrangements may be required for de-energising the electric line.

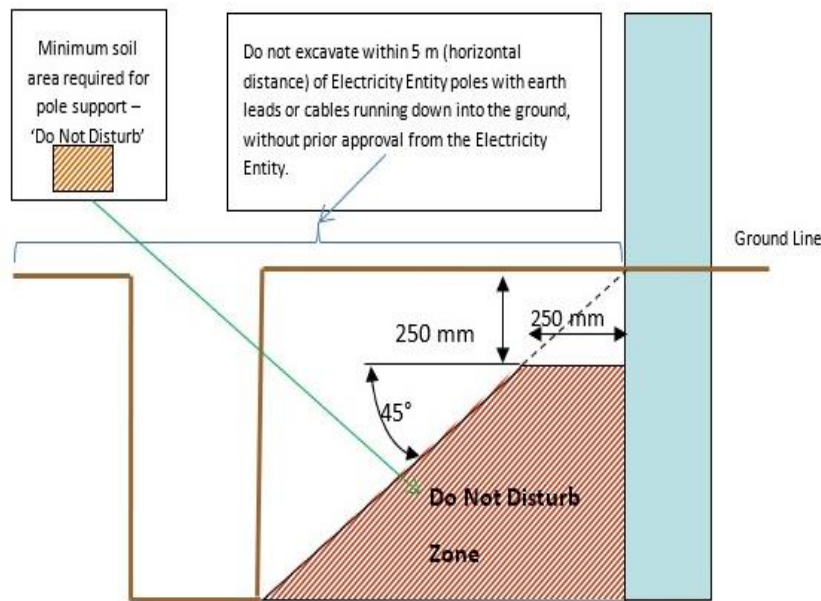


Figure 1 - Do Not Disturb Zone requirements when excavating near poles

| Maximum Trench Depth | Minimum Distance from pole without pole support |
|-------------------------------|--|
| Not more than 0.25 m (250 mm) | Can trench or hand dig (where cables and leads exist) right up to pole |
| 1.0 m | 1.0 m |
| 1.5 m | 1.5 m |
| 2.0 m | 2.0 m |
| 2.5 m | 2.5 m |
| 3.0 m | 3.0 m |

7.1.1 Certified Engineering Assessment

Where required to be provided by the PCBU, a Certified Engineering Assessment shall:

- Ensure the stability of the Electricity Entity poles and foundations is maintained during and as a result of excavation work completed within the 'Do Not Disturb' zone.
- Include detailed design drawing of pole support method.
- Be completed and certified by a Registered Professional Engineer Queensland.
- Consider and address the following key points as a minimum:
 - Pole loading (vertical and lateral) including line deviation angles, direction of lean (towards or away from resultant loading)

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

- Direction of pole lean.
- Pole inspection (conducted to meet the Electricity Entity's requirements at customer cost)
- Pole foundation depth
- Proximity of excavation in relation to pole
- Soil condition
- Proposed shoring methods as well as installation and removal process
- Duration and staging of work
- Requirement to independently support pole during work
- Proximity of existing adjacent underground services and excavations
- Proposed backfilling and reinstatement method
- Monitoring and engineering/ geotechnical supervision during excavation work progress
- Other equipment attached to pole (e.g. underground cables, transformer, ACR, ABS.) must be taken into consideration and in some circumstances will prevent the pole being supported.

7.2. Excavating Near Underground Electrical Assets

For all work within 2.5 m of nominal location, the constructor is required to use non-mechanical excavation (potholing using hydrovac or hand tools) and expose the underground electrical assets, hence proving its exact location before earthworks can commence.

7.2.1 Excavating Parallel to Underground Electrical Assets

If excavation work is parallel to the Electricity Entity underground electrical cables, then non mechanical excavation (potholing using hydrovac or hand tools) at least every 4 m is required to establish the location of all cables, hence confirming nominal locations before work can commence. If an excavation exceeds the depth of the cables and it is likely that that the covers or bedding material around the cables/pipes will move causing Electricity Entity cables or conduits to be unsupported, contact Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

NOTE: Be aware that cable depths and directions may change suddenly along the route.

7.2.2 Excavating Across Underground Electrical Assets

Refer Minimum Separation Requirements table in Section 6.3.5 of this document for distances that shall be maintained to prevent inadvertent contact with or damage to underground electrical assets. If the width or depth of excavation is such that the Electricity Entity cables will be unsupported, contact Electricity Entity (General Enquiries phone number - refer page 3) for further advice. In no case shall a cable cover be removed without approval. A cable cover may only be replaced under the supervision of an Electricity Entity officer. Protective cover strips when removed must be replaced under Electricity Entity supervision. Under no circumstances shall protective cover strips be omitted to achieve the minimum separation distance required between Electricity Entity cables and other underground services.

7.2.3 Heavy Machinery Operation Over Underground Electrical Assets

Where heavy "crawler" or "vibration" type machinery is operated over the top of cables, a minimum cover of 450 mm to the cable protective cover must be maintained. Alternatively, subject to a Certified Engineering Assessment, use load bearing protection whilst the machinery is in operation.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

7.2.4 Directional Boring Near Underground Electrical Assets

When boring parallel to cables, it is essential that trial holes are carefully dug using non mechanical excavation (pot holing using hydrovac or hand tools) at regular intervals to prove the actual location of the conduits/cables before using boring machinery. Where it is required to bore across the line of cables/conduits, the actual location of the cables/conduits shall be proven by non-mechanical excavation (pot holing using hydrovac or hand tools). A trench shall be excavated 1 m from the side of the cables where the auger will approach to ensure a minimum clearance of 500 mm from cables/conduits can be maintained.

7.2.5 Hydro Vac Operation

When operating hydro vac equipment to excavate in vicinity of underground electrical assets (cables/conduits):

- Fitted with:
 - nonconductive (neoprene rubber or equivalent) vacuum (suction) hose.
 - oscillating nozzle on pressure wand with water pressure adjusted to not exceeding 2000 psi.
- Maintain a minimum distance of 200 mm between end of pressure wand and underground electrical assets. DO NOT insert the pressure wand jet directly into subsoil.
- Ensure pressure wand is not directly aimed at underground electrical assets (cables / conduits).

7.3. Blasting

Explosives must not be used within 5 m of cables/conduits, unless an engineering report is provided indicating that no damage will be sustained. Clearances shall be obtained from the Electricity Entity for use of explosives in the vicinity of cables/conduits. Contact Electricity Entity (General Enquiries phone number - refer page 3) for further advice.

The Electricity Entity will accept the level of 25 mm / sec as a peak component particle velocity upper limit as defined in AS 2187.2 Appendix J for blasting operations in the vicinity of these power lines.

Electric line insulators and conductors are particularly susceptible to damage from fly rock and adequate control measure including the use of blast mats shall be used to manage this. Contact Electricity Entity for consultation and application.

8. REPORTING DAMAGE CAUSED TO OVERHEAD OR UNDERGROUND ELECTRIC LINES

Any damage caused to the Electricity Entity overhead electric lines, poles, stays, underground cables, conduits and pipes must be reported no matter how insignificant the damage appears to be. Even very minor damage to cable protective coverings can lead to eventual failure of cables through corrosion of metal sheaths and moisture ingress.

All work in the vicinity of damaged overhead or underground electric lines shall cease and the area be made safe and vacated until clearance to continue earthworks has been obtained from the Electricity Entity. Call Electricity Entity (Emergencies phone number - refer page 3).

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



9. INFRASTRUCTURE NEAR ELECTRIC LINES

9.1. Easements and Wayleaves

This information, whilst not a legal document, has been developed to assist the community in answering some commonly asked questions about our easements and wayleaves, and briefly outlines what you can do where land is affected by an easement or where consent to installing electrical infrastructure has been given.

9.1.1 What is an Electricity Easement?

An electricity easement is the authority held by the Electricity Entity to use your land near overhead and underground electric lines and substations (electrical assets). Electricity Entity holds this authority for your own safety and to allow employees access to electrical assets at all times. Whilst it will depend on the terms of the particular grant of easement, electrical easements generally give the Electricity Entity the right to access, maintain, repair, rebuild and to restrict development within a defined area.

The easement, which is registered on the property's title, contains a plan showing the dimensions of the easement and its location on the property together with the rights and restrictions over the easement area. The Department of Natural Resources and Mines <https://www.resources.qld.gov.au/> or your solicitor will be able to provide this information. Easements may also exist for telephone lines, water and sewage mains and natural gas supply lines.

9.1.2 Why are easements necessary?

Easements are also created to allow the Electricity Entity clear, 24 hour access to the electric lines. It is important to keep the easement clear at all times so regular maintenance, line upgrades, damage or technical faults can be attended to immediately to provide a safe and reliable supply of electricity. Interference with Electricity Entity's rights and electrical equipment may compromise safety of the public and the occupiers of the property. Therefore, it is essential that Electricity Entity's rights are understood and observed.

9.1.3 How do I know if there are easements on my property?

Contact your solicitor or The Department of Natural Resources and Mines to obtain a Title Search that shows all registered easements on the property.

9.1.4 Who owns the land the easement is on?

The ownership of that land encumbered with the easement remains with the property owner.

9.1.5 How does an easement affect what I can do with my property?

An easement controls what you can build, what size trees you can plant and what outdoor activities you can carry out in the easement area.

An easement affects the use of the property by limiting the development that can be undertaken within the easement area. The exact rights granted to an Electricity Entity under an electricity easement will depend on the wording used in the grant of easement. Property owners and occupiers should also be aware that an Electricity Entity has the right of access to land to undertake certain works (including reading meters and disconnecting supply). These rights of access are granted by Queensland legislation not the easement and so may not be registered on the property's title and therefore may not be revealed in a Title Search.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



9.1.6 Who is responsible for maintenance of easement area?

You must provide a continuous, unobstructed area along the full length of the easement to allow an Electricity Entity access to electric lines, transformers, underground cables and other equipment at all times. A width of 4.5 m is typically required for the safe passage of vehicles and heavy plant.

You must NOT place obstructions in the easement within 5 m of any electric lines, transformer, power pole, equipment or supporting wire.

Maintenance of the easement area is generally the responsibility of the property owner and/or occupier, however, complying with regulatory and safety requirements associated with Electricity Entity's electrical assets within the easement area is the responsibility of the Electricity Entity.

9.1.7 What type of maintenance work does Electricity Entity undertake on easements?

To enable Electricity Entity to construct, maintain, repair and rebuild electric lines on some properties, access roads and tracks are required on or adjacent to the easement area. As required, Electricity Entity is able to construct access tracks, retain the right of use of these tracks and maintain them to a suitable level to permit access for its vehicles. Where gates are installed within the easement area, an Electricity Entity lock may be required to enable continual access along the easement corridor.

In addition, periodic vegetation management works are also undertaken by Electricity Entity to ensure that a specified minimum clearance between vegetation and the electric lines is maintained.

Where possible, property owners will be contacted prior to easement maintenance and vegetation works commencing.

9.1.8 Where consent (Wayleave) to installing Electricity Entity infrastructure has been given

Much of Electricity Entity's above ground electricity network is constructed without easements. Instead, the consent of the owner of the affected land is obtained and the electrical infrastructure is installed. Historically this consent has been in the form of a document known as a Wayleave.

This consent (or Wayleave) is a document evidencing the agreement from a particular owner, but it is not registered on the title of the land like an easement.

Once consent is obtained from an owner, Queensland legislation (the Electricity Act 1994) says that the consent of all future owners to the electrical infrastructure is not required.

Queensland legislation grants Electricity Entity rights to access, maintain, repair and replace electrical assets installed with consent.

9.2. Contact Electricity Entity when planning construction work near electric lines

When planning and before commencement (regardless of whether or not local council approval is required), it is essential to confirm that the proposed construction work (e.g. building, structure, sign, crane, scaffold) does not breach the minimum statutory clearance distances that must be maintained from nearby Electricity Entity overhead or underground electric lines. Refer Electrical Safety Regulation 2013, Schedule 4 and 5 for information on statutory clearance distances that must be complied with.

It is extremely dangerous and potentially life threatening to allow anything to come in close proximity to the conductors of an electric line.

We advise not to build **under** or **near** powerlines or add to a structure under or near powerlines. This can cause exclusion zones to be encroached, which may endanger others now and in the future. Please note obligations under section 30 of the Electrical Safety Act 2002 and sections 68 of the Electrical Safety Regulation 2013.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

There is an obligation to notify the Electricity Entity, before any work starts, where work is likely to involve a building or other structure coming within clearance requirements for an overhead or underground electric line.

Where it is necessary for an Electricity Entity to relocate electric lines due to statutory clearance breach caused by work performed nearby, the Electricity Entity may be entitled to recover costs from the PCBU, property owner or occupier who caused the breach. Refer Electrical Safety Regulation 2013, Section 209 Building or adding to structure near electric lines.

Although it is preferred that the area around Electricity Entity electrical assets (including within an Easement area) is free of development, the following examples provide property owners and occupiers with an indication of what type of development is acceptable and what is not.

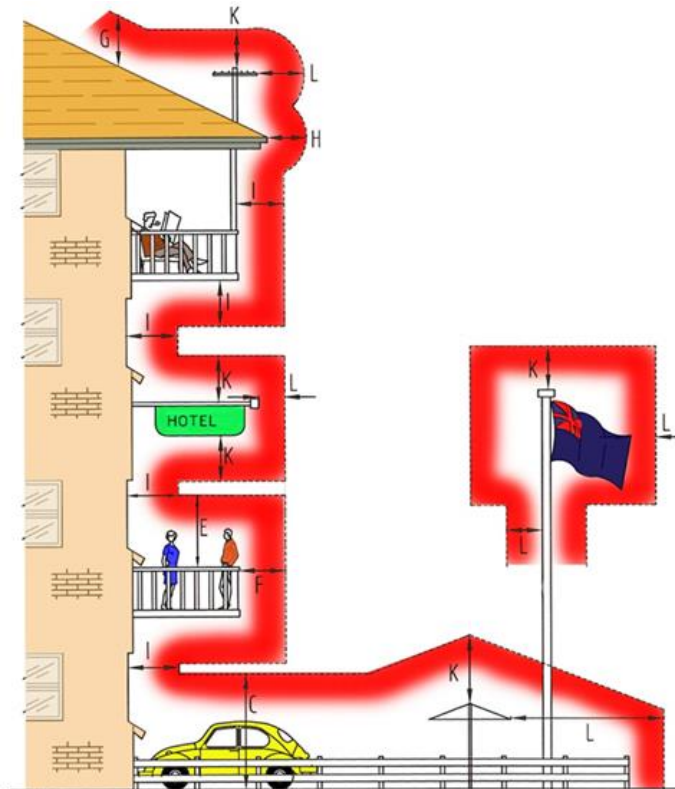
NOTE: Do not assume that your local council approval is sufficient approval for you to proceed with your work. The local council may not check whether or not your proposed construction work will comply with the Electricity Entity's statutory clearance requirements.

9.3. What clearances must be maintained once construction work is completed?

Electrical Safety Regulation 2013, Schedule 4 - Clearance of overhead electric lines and Schedule 5 - Clearance of low voltage overhead service lines detail the statutory clearances that must be maintained from overhead electric lines for completed buildings and structures. These statutory clearances will need to be taken into consideration during the planning phase of determining the location for a building or structure. The table below sets out the minimum statutory clearances required for voltage levels up to 33 kV. Additional requirements may apply for voltage levels above 33 kV, contact the Electricity Entity for consultation.

Where the Electricity Entity has identified a breach of statutory clearance resulting from erection of a building or structure, the statutory breach will be reportable to the Electrical Safety Office as a Dangerous Electrical Event and any costs incurred in subsequent remedial work to achieve required statutory clearances may be recovered from the person or company who caused the breach of statutory clearance.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



| CODE | LOCATION | DIRECTION | INSULATED CABLE (ABC) (Note 1) | BARE | MORE THAN 1000 VOLTS BUT NOT MORE THAN 33KV |
|------|----------|-----------|--------------------------------|------|---|
|------|----------|-----------|--------------------------------|------|---|

MINIMUM CLEARANCE FROM ROADS, GROUND, OR BOUNDARIES

| | | | | | |
|----|---|--------------|------|------|------|
| A | Crossing the carriageway, roadway | VERTICALLY | 5.5m | 5.5m | 6.7m |
| A1 | Designated "Over Dimension Routes" | VERTICALLY | 7.0m | 7.0m | 7.5m |
| B | At other positions, footpath | VERTICALLY | 5.5m | 5.5m | 5.5m |
| C | Other than roads but trafficable | VERTICALLY | 5.5m | 5.5m | 5.5m |
| C1 | Areas totally inaccessible to traffic or mobile machinery | VERTICALLY | 4.5m | 4.5m | 4.5m |
| D | Cuttings, embankments, easement boundaries | HORIZONTALLY | 1.5m | 1.5m | 2.1m |
| X | Real Property Boundaries | HORIZONTALLY | 0.0m | 0.0m | 0.0m |

MINIMUM CLEARANCE FROM STRUCTURES AND BUILDINGS

| | | | | | |
|--------|---|------------------------------------|--------------|--------------|--------------|
| E F | Unroofed terraces, balconies, sun-decks, paved areas, etc, subject to pedestrian traffic only. A hand rail or wall surrounding such an area and on which a person may stand. (Note) | VERTICALLY AND HORIZONTALLY (Note) | 2.7m 1.2m | 3.7m 1.5m | 4.6m 2.1m |
| G H | Roofs or similar structures not used for traffic or resort but on which a person may stand. A parapet surrounding such a roof and on which a person may stand. (Note) | VERTICALLY AND HORIZONTALLY (Note) | 2.7m 0.9m | 3.7m 1.5m | 3.7m 2.1m |
| I | Covered places of traffic or resort such as windows which are capable of being opened, roofed open verandahs and covered balconies. | IN ANY DIRECTION | 1.2m | 1.5m | 2.1m |
| J | Blank walls, windows which cannot be opened. (Note) | HORIZONTALLY | 0.6m | 1.5m | 1.5m |
| K L | Other structures not normally accessible to persons. (Note) | VERTICALLY HORIZONTALLY (Note) | 0.6m 0.3m | 2.7m 1.5m | 3.0m 1.5m |

NOTE:

The vertical clearance and the horizontal clearance specified shall be maintained.

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



The following list of examples is not exhaustive, and it may be necessary to contact the Electricity Entity if doubt exists as to what is permitted around electricity assets.

| What is <i>PERMITTED</i> around Electricity Entity overhead or underground electric lines | What is <i>NOT PERMITTED</i> around Electricity Entity overhead or underground electric lines |
|---|---|
| <p>✓ Erection of fences to a maximum height of 2.4 m is generally acceptable, provided they do not affect access to, and work on, the poles, electric lines and/or cables. Trees, shrubs and plants should be located clear of vehicle access. Note: Maximum Growth Height of 3 m.</p> <p>✓ Clothes hoists and barbecues should be located clear of the vehicle access way. Note: Maximum Height 2.5 m.</p> <p>✓ Installation of underground utility services, such as low voltage electricity, gas, telephone and water, is generally acceptable, subject to clearances from Electricity Entity poles and supporting structures, and underground electric mains.</p> <p>✓ Excavating, filling and altering of nearby land may be acceptable but full details need to be provided to the Electricity Entity for assessment.</p> <p>✓ Vehicles, mobile plant and equipment within the easement area need to maintain the minimum statutory clearances distances from overhead electric lines. Normal farming, grazing and other agricultural activities can be carried out. Take care when ploughing or operating mobile machinery or irrigation equipment near Electricity Entity's equipment.</p> <p>✓ Parking of vehicles, trucks, trailers, etc. is normally allowed. Note: Maximum Load and Aerial Height of 4 m. Barriers of an approved design (e.g. bollards) may be required to protect poles from vehicle contact damage. Heavy vehicle or operating plant crossings may need a protective concrete cover to ensure underground cables are not damaged.</p> | <p>✗ Build houses, sheds, garages or other large structures. Building of roofed/unroofed verandas, swimming pools and pergolas are generally not acceptable.</p> <p>✗ Flying kites or model aircraft within the easement.</p> <p>✗ Driving fence posts or stakes into ground within easements where there is underground cabling.</p> <p>✗ Storing liquids such as petrol, diesel fuel, or any flammable or combustible material that will burn.</p> <p>✗ Installing lighting poles.</p> <p>✗ Stockpiling soil or garbage within the easement.</p> <p>✗ Planting trees in large quantities that could create a fire hazard or that grow in excess of the approved maximum height of 3 m.</p> <p>✗ Storing or using explosives.</p> <p>✗ Residing in or occupying any caravan or mobile home within an easement.</p> <p>✗ Placing obstructions within the vicinity of any Electricity Entity assets (e.g. power pole, overhead electric line, equipment or pole stay) that impede access to or work on these assets.</p> |

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines



9.4. What about Electric and Magnetic Fields?

The Electricity Entity operates its electric lines within the current guidelines set by the National Health and Medical Research Council for exposure to 50/60 hertz electric and magnetic fields (EMF) and is mindful of some community concern about such fields and health. Contact the Electricity Entity (General Enquiries phone number - refer page 3). Alternatively, further information can be sourced from:

Energy Networks Association (ENA) brochure - "Electric and Magnetic Fields - What We Know", January 2014

http://www.ena.asn.au/sites/default/files/emf-what-we-know-jan-2014-final_1_1.pdf

Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) brochure - "Electricity and Health", May 2011

http://www.arpansa.gov.au/RadiationProtection/Factsheets/is_electricity.cfm

Referral
268787329

Member Phone
1800 687 626

Responses from this member

Response received Tue 24 Feb 2026 6.58pm

| File name | Page |
|--|------|
| Response Body | 64 |
| 268787329_20260224_085734060402_1.pdf | 65 |
| 4678_NBN_Dial_Before_You_Dig_Poster_20170517.pdf | 68 |
| Disclaimer_268787329_20260224_085734060402.pdf | 70 |

Hi Matt Doolan,

Please find attached the response to your DBYD referral for the address mentioned in the subject line. The location shown in our DBYD response is assumed based off the information you have provided. If the location shown is different to the location of the excavation then this response will consequently be rendered invalid.

Take the time to read the response carefully and note that this information is only valid for 28 days after the date of issue.

If you have any further enquiries, please do not hesitate to contact us.


Regards,
Network Services and Operations
NBN Co Limited
P: 1800626329
E: dbyd@nbnco.com.au
www.nbnco.com.au

Confidentiality and Privilege Notice

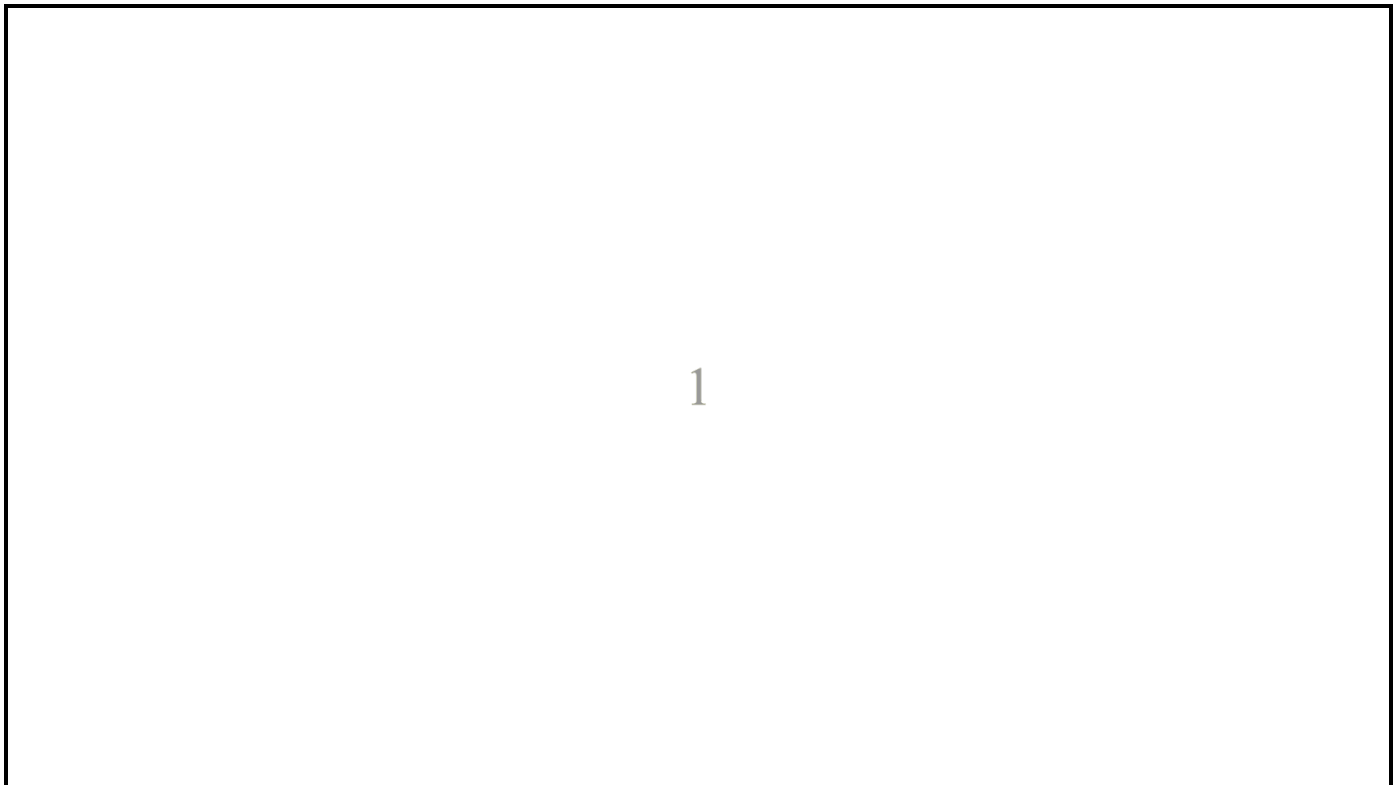
This e-mail is intended only to be read or used by the addressee. It is confidential and may contain legally privileged information. If you are not the addressee indicated in this message (or responsible for delivery of the message to such person), you may not copy or deliver this message to anyone, and you should destroy this message and kindly notify the sender by reply e-mail. Confidentiality and legal privilege are not waived or lost by reason of mistaken delivery to you. Any views expressed in this message are those of the individual sender, except where the sender specifically states them to be the views of NBN Co Limited

Please Do Not Reply To This Mail

To: Matt Doolan
Phone: Not Supplied
Fax: Not Supplied
Email: matt@developthis.com.au

| | | |
|-----------------------------------|---------------------------------------|---|
| Dial before you dig Job #: | 52465353 |  |
| Sequence # | 268787329 | |
| Issue Date: | 24/02/2026 | |
| Location: | 7 Roebig Street , Aspley , QLD , 4034 | |

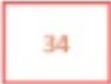




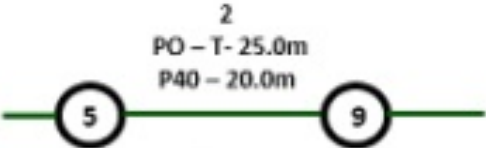





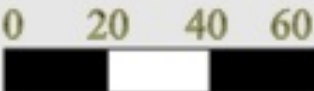
Indicative Plans are tiled below to demonstrate how to layout and read nbn asset plans

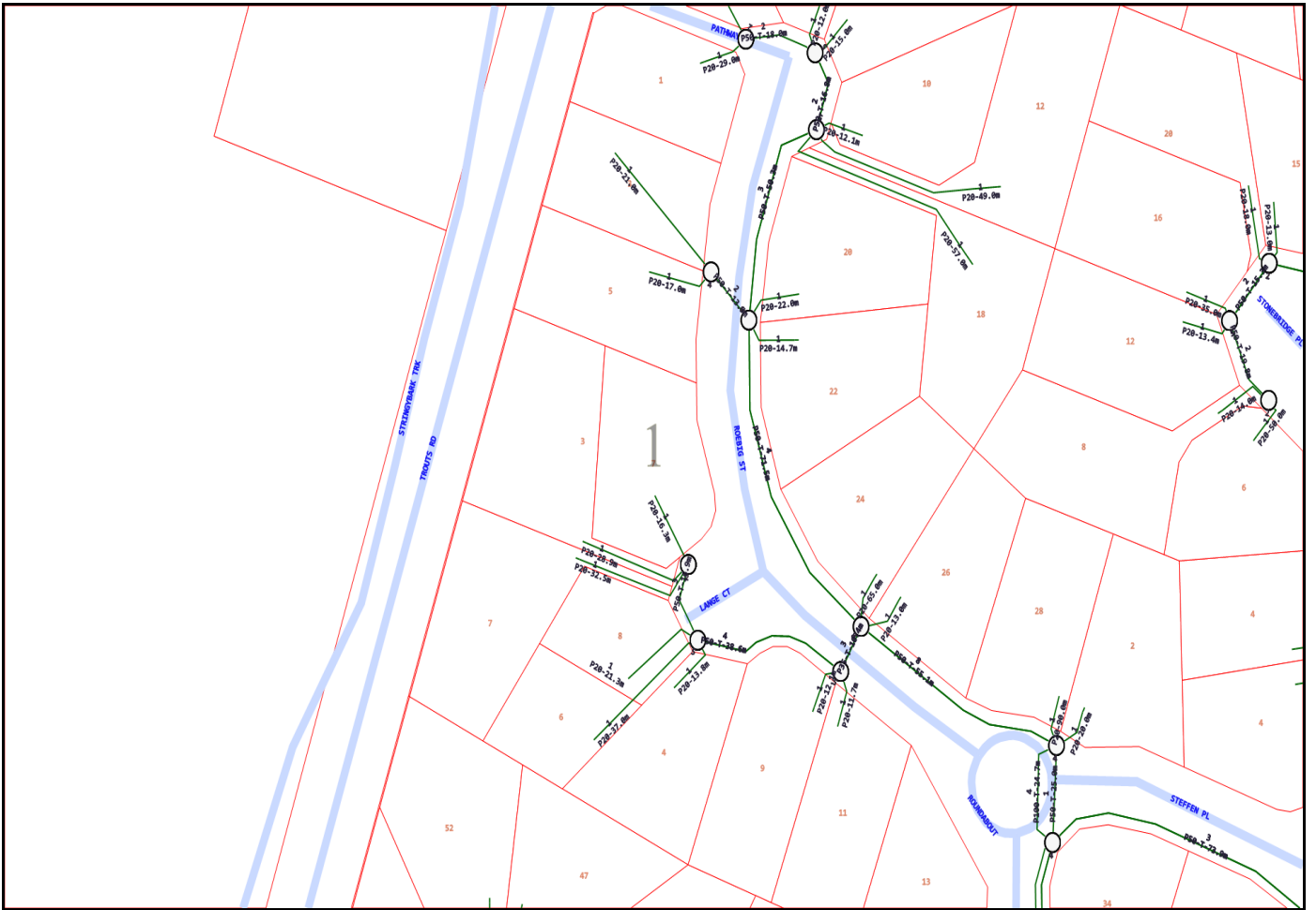




LEGEND



| | |
|---|--|
|  | Parcel and the location |
|  | Pit with size "5" |
|  | Power Pit with size "2E". Valid PIT Size: e.g. 2E, 5E, 6E, 8E, 9E, E, null. |
|  | Manhole |
|  | Pillar |
|  | Cable count of trench is 2. One "Other size" PVC conduit (PO) owned by Telstra (-T-), between pits of sizes, "5" and "9" are 25.0m apart. One 40mm PVC conduit (P40) owned by NBN, between pits of sizes, "5" and "9" are 20.0m apart. |
|  | 2 Direct buried cables between pits of sizes, "5" and "9" are 10.0m apart. |
|  | Trench containing any INSERVICE/CONSTRUCTED (Copper/RF/Fibre) cables. |
|  | Trench containing only DESIGNED/PLANNED (Copper/RF/Fibre/Power) cables. |
|  | Trench containing any INSERVICE/CONSTRUCTED (Power) cables. |
|  | Road and the street name "Broadway ST" |
| Scale |  Meters 1:2000 1 cm equals 20 m |



Emergency Contacts

You must immediately report any damage to the **nbn**™ network that you are/become aware of. Notification may be by telephone - 1800 626 329.



Working near nbn™ cables

nbn has partnered with Dial Before You Dig to give you a single point of contact to get information about **nbn** underground services owned by **nbn** and other utility/service providers in your area including communications, electricity, gas and other services. Contact with underground power cables and gas services can result in serious injury to the worker, and damage and costly repairs. You must familiarise yourself with all of the Referral Conditions (meaning the referral conditions referred to in the DBYD Notice provided by **nbn**).

Practice safe work habits

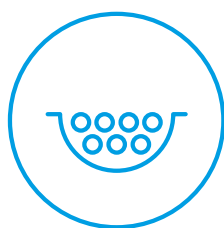
Once the DBYD plans are reviewed, the Five P's of Excavation should be adopted in conjunction with your safe work practices (which must be compliant with the relevant state Electrical Safety Act and Safe Work Australia "Excavation Work Code of Practice", as a minimum) to ensure the risk of any contact with underground **nbn** assets are minimised.



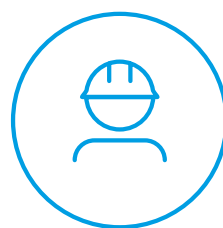
Plan: Plan your job by ensuring the plans received are current and apply to the work to be performed. Also check for any visual cues that may indicate the presence of services not covered in the DBYD plans.



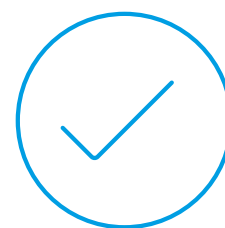
Prepare: Prepare for your job by engaging a DBYD Certified Plant Locator to help interpret plans and identify on-site assets. Contact **nbn** should you require further assistance.



Pothole: Non-destructive potholing (i.e. hand digging or hydro excavation) should be used to positively locate **nbn** underground assets with minimal risk of contact and service damage.

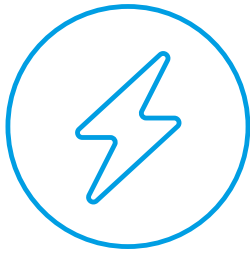


Protect: Protecting and supporting the exposed **nbn** underground asset is the responsibility of the worker. Exclusion zones for **nbn** assets are clearly stated in the plan and appropriate controls must be implemented to ensure that encroachment into the exclusion zone by machinery or activities with the potential to damage the asset is prevented.

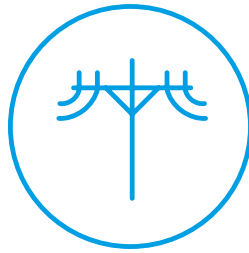


Proceed: Proceed only when the appropriate planning, preparation, potholing and protective measures are in place.

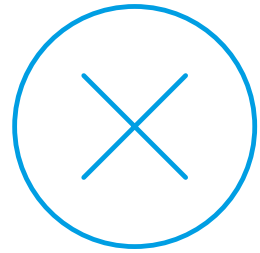
Working near **nbn**TM cables



Identify all electrical hazards, assess the risks and establish control measures.



When using excavators and other machinery, also check the location of overhead power lines.



Workers and equipment must maintain safety exclusion zones around power lines.

Once all work is completed, the excavation should be re-instated with the same type of excavated material unless specified by **nbn**. Please note:

- Construction Partners of **nbn** may require additional controls to be in place when performing excavation activities.
- The information contained within this pamphlet must be used in conjunction with other material supplied as part of this request for information to adequately control the risk of potential asset damage.

Contact

All **nbn**TM network facility damages must be reported online [here](#).
For enquiries related to your DBYD request please call 1800 626 329.

Disclaimer


This brochure is a guide only. It does not address all the matters you need to consider when working near our cables. You must familiarise yourself with other material provided (including the Referral Conditions) and make your own inquiries as appropriate.

nbn will not be liable or responsible for any loss, damage or costs incurred as a result of reliance on this brochure.

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To: Matt Doolan
Phone: Not Supplied
Fax: Not Supplied
Email: matt@developthis.com.au

| | | |
|--|---------------------------------------|--|
| Before You Dig Australia Job #: | 52465353 |  BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm |
| Sequence # | 268787329 | |
| Issue Date: | 24/02/2026 | |
| Location: | 7 Roebig Street , Aspley , QLD , 4034 | |

Information

The area of interest requested by you contains one or more assets.

| nbn™ Assets | Search Results |
|-----------------------|-----------------------|
| Communications | Asset identified |
| Electricity | No assets |

In this notice **nbn™ Facilities** means *underground fibre optic, telecommunications and/or power facilities, including but not limited to cables, owned and controlled by nbn™*

Location of nbn™ Underground Assets

We thank you for your enquiry. In relation to your enquiry at the above address:

- **nbn's** records indicate that there **ARE nbn™** Facilities in the vicinity of the location identified above ("Location").
- **nbn** indicative plan/s are attached with this notice ("Indicative Plans").
- The Indicative Plan/s show general depth and alignment information only and are not an exact, scale or accurate depiction of the location, depth and alignment of **nbn™** Facilities shown on the Plan/s.
- In particular, the fact that the Indicative Plans show that a facility is installed in a straight line, or at uniform depth along its length cannot be relied upon as evidence that the facility is, in fact, installed in a straight line or at uniform depth.
- You should read the Indicative Plans in conjunction with this notice and in particular, the notes below.
- You should note that, at the present time, the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables. As such, consistent with the notes below, particular care must be taken by you to make your own enquiries and investigations to precisely locate any power cables and manage the risk arising from such cables accordingly.
- The information contained in the Indicative Plan/s is valid for 28 days from the date of issue set out above. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators, e.g BYDA Certified Locators, at your cost to locate **nbn™** Facilities during any activities you carry out on site).

We thank you for your enquiry and appreciate your continued use of the Before You Dig Australia Service. For any enquiries related to moving assets or Planning and Design activities, please visit the [nbn Commercial Works](#) website to complete the online application form. If you are planning to excavate and require further information, please email dbyd@nbnco.com.au or call 1800 626 329.

Notes:

1. You are now aware that there are **nbn™** Facilities in the vicinity of the above property that could be damaged as a result activities carried out (or proposed to be carried out) by you in the vicinity of the Location.
2. You should have regard to section 474.6 and 474.7 of the *Criminal Code Act 1995* (CoA) which deals with the consequences of interfering or tampering with a telecommunications facility. Only persons authorised by **nbn** can interact with **nbn's** network facilities.
3. Any information provided is valid only for **28 days** from the date of issue set out above.

Referral Conditions

The following are conditions on which **nbn** provides you with the Indicative Plans. By accepting the plans, you are agreeing to these conditions. These conditions are in addition, and not in replacement of, any duties and obligations you have under applicable law.

1. **nbn** does not accept any responsibility for any inaccuracies of its plans including the Indicative Plans. You are expected to make your own inquiries and perform your own investigations (including engaging appropriately qualified plant locators, e.g BYDA Certified Locators, at your cost to locate **nbn™** Facilities during any activities you carry out on site).
2. You acknowledge that **nbn** has specifically notified you above that the Indicative Plans are likely to be more accurate in showing location of fibre optics and telecommunications cables than power cables. There may be a variation between the line depicted on the Indicative Plans and the location of any power cables.
3. You should not assume that **nbn™** Facilities follow straight lines or are installed at uniformed depths

along their lengths, even if they are indicated on plans provided to you. Careful onsite investigations are essential to locate the exact position of cables.

4. In carrying out any works in the vicinity of **nbn**™ Facilities, you must maintain the following minimum clearances:
 - 300mm when laying assets inline, horizontally or vertically.
 - 500mm when operating vibrating equipment, for example: jackhammers or vibrating plates.
 - 1000mm when operating mechanical excavators.
 - Adherence to clearances as directed by other asset owner's instructions and take into account any uncertainty for power cables.
5. You are aware that there are inherent risks and dangers associated with carrying out work in the vicinity of underground facilities (such as **nbn**™ fibre optic, copper and coaxial cables, and power cable feed to **nbn**™ assets). Damage to underground electric cables may result in:
 - Injury from electric shock or severe burns, with the possibility of death.
 - Interruption of the electricity supply to wide areas of the city.
 - Damage to your excavating plant.
 - Responsibility for the cost of repairs.
6. You must take all reasonable precautions to avoid damaging **nbn**™ Facilities. These precautions may include but not limited to the following:
 - All excavation sites should be examined for underground cables by careful hand excavation. Cable cover slabs if present must not be disturbed. Hand excavation needs to be undertaken with extreme care to minimise the likelihood of damage to the cable, for example: the blades of hand equipment should be aligned parallel to the line of the cable rather than digging across the cable.
 - If any undisclosed underground cables are located, notify **nbn** immediately.
 - All personnel must be properly briefed, particularly those associated with the use of earth-moving equipment, trenching, boring and pneumatic equipment.
 - The safety of the public and other workers must be ensured.
 - All excavations must be undertaken in accordance with all relevant legislation and regulations.
7. You will be responsible for all damage to **nbn**™ Facilities that are connected whether directly, or indirectly with work you carry out (or work that is carried out for you or on your behalf) at the Location. This will include, without limitation, all losses expenses incurred by **nbn** as a result of any such damage.
8. You must immediately report any damage to the **nbn**™ network that you are/become aware of. Notification may be by telephone - 1800 626 329.
9. Except to the extent that liability may not be capable of lawful exclusion, **nbn** and its servants and agents and the related bodies corporate of **nbn** and their servants and agents shall be under no liability whatsoever to any person for any loss or damage (including indirect or consequential loss or damage) however caused (including, without limitation, breach of contract negligence and/or breach of statute) which may be suffered or incurred from or in connection with this information sheet or any plans (including Indicative Plans) attached hereto. Except as expressly provided to the contrary in this information sheet or the attached plans (including Indicative Plans), all terms, conditions, warranties, undertakings or representations (whether expressed or implied) are excluded to the fullest extent permitted by law.

All works undertaken shall be in accordance with all relevant legislations, acts and regulations applicable to the particular state or territory of the Location. The following table lists all relevant documents that shall be considered and adhered to.

| State/Territory | Documents |
|-----------------|--|
| National | Work Health and Safety Act 2011 |
| | Work Health and Safety Regulations 2011 |
| | Safe Work Australia - Working in the Vicinity of Overhead and Underground Electric Lines (Draft) |

| | |
|------------|--|
| | Occupational Health and Safety Act 1991 |
| NSW | Electricity Supply Act 1995 |
| | Work Cover NSW - Work Near Underground Assets Guide |
| | Work Cover NSW - Excavation Work: Code of Practice |
| VIC | Electricity Safety Act 1998 |
| | Electricity Safety (Network Asset) Regulations 1999 |
| QLD | Electrical Safety Act 2002 |
| | Code of Practice for Working Near Exposed Live Parts |
| SA | Electricity Act 1996 |
| TAS | Tasmanian Electricity Supply Industry Act 1995 |
| WA | Electricity Act 1945 |
| | Electricity Regulations 1947 |
| NT | Electricity Reform Act 2005 |
| | Electricity Reform (Safety and Technical) Regulations 2005 |
| ACT | Electricity Act 1971 |

Thank You,

nbn BYDA

Date: 24/02/2026

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Referral
268787334

Member Phone
13 26 57

Responses from this member

Response received Tue 24 Feb 2026 6.55pm

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| Urban Utilities Important Information.pdf | 78 |



GPO Box 2765
Brisbane QLD 4001

Date: 24 Feb 2026

Before You Dig Australia Response

Please DO NOT SEND A REPLY to this email as it has been automatically generated and replies are not monitored.

Dear Matt Doolan

We appreciate your diligence in contacting the Before You Dig Australia service (**BYDA**) prior to engaging in work or activities which may affect the water and sewerage infrastructure of Urban Utilities.

| | |
|--------------------------|------------------------------------|
| Job Number: | 52465353 |
| Sequence Number: | 268787334 |
| Enquiry Date: | 24/2/2026 7:55:00 pm |
| Enquiry Location: | 7 Roebig Street Aspley QLD 4034 |

WARNING: When working in the vicinity of Urban Utilities' assets you have a legal *Duty of Care* that must be observed.

Our records indicate the presence of infrastructure owned by Urban Utilities within your nominated search area, as shown on the attached plan.

Please note that you may be liable for any loss or damage to our infrastructure which is caused by any works or activities which you undertake over or near such infrastructure. Additionally, your works or activities may conflict with other works scheduled in your nominated search area. To avoid any unnecessary impacts, before any undertaking you must obtain the following approvals:

- And/or a Urban Utilities Network Access Permit for self assessable works or activities that are within two metres of our infrastructure (refer to [Urban Utilities Network Access Permit Webpage](#))
- Either a Build Over Asset (BOA) Approval for assessable building works undertaken within specified distances of our infrastructure (refer to [DHPW BOA Factsheet](#))

We have provided additional information about your responsibilities in relation to our infrastructure in the Important Information sheet attached to this letter. By accessing BYDA to obtain our records about our infrastructure, you warrant that you have read the sheet and agree to the terms and conditions set out therein.

For further enquiries or assistance with interpretation of plans and search content please contact our BYDA Support Team by email networkaccess@urbanutilities.com.au. Alternatively, you can write to us at Urban Utilities, PO Box 2765, Brisbane QLD 4001.

Thank you for taking the time to consult the BYDA service.

Yours sincerely

Before You Dig Australia Support Team

Urban Utilities

networkaccess@urbanutilities.com.au

To best manage the risk of damage and liability, we recommend that you engage the services of a [BYDA Certified Locator](#)

Important Notice

This enquiry response, including any associated documentation, has been assessed and compiled from the information detailed within the BYDA enquiry outlined above. **Please ensure that the BYDA enquiry details and this response accurately reflect your proposed works.**

This response is intended for use only by the addressee. If you have received the enquiry response in error, please let us know by telephone and delete all copies; you are advised that copying, distributing, disclosing or otherwise acting in reliance on the response is expressly prohibited.

Disclaimer: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Urban Utilities nor PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

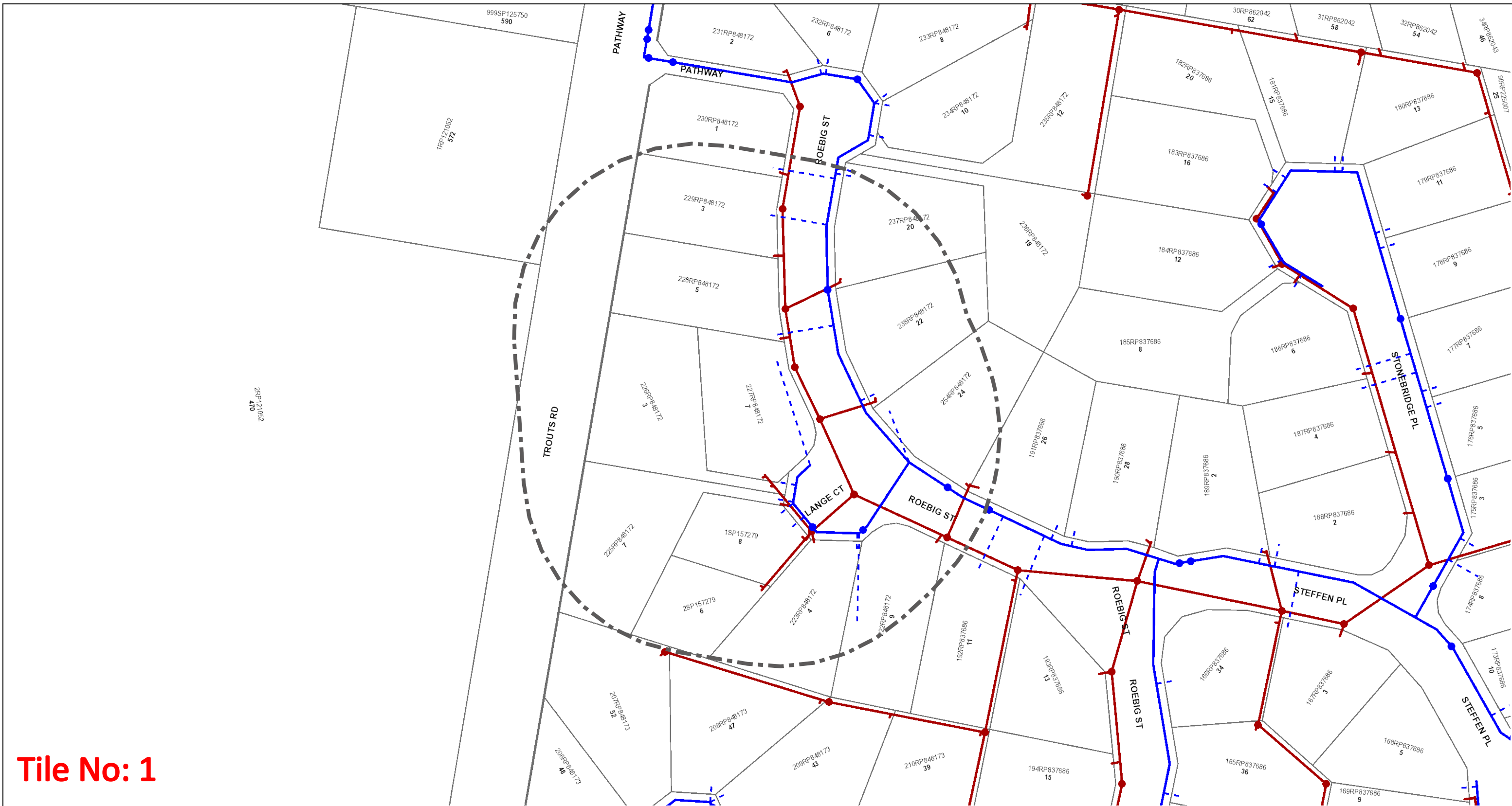
If you are unable to launch any of the files for viewing and printing, you may need to download and install free viewing and printing software such as [Adobe Acrobat Reader \(for PDF files\)](#).

PelicanCorp



Compiled with **TicketAccess** by PelicanCorp



Urban Utilities - Water, Recycled Water and Sewer Infrastructure



Tile No: 1

|  <p>UrbanUtilities</p> <p>N</p>  <p>Map Scale 1:1000</p> | <p>Before You Dig Australia- Urban Utilities Water, Recycled Water and Sewer Infrastructure</p> <p>BYDA Reference No: 268787334</p> <p>Date BYDA Ref Received: 24/02/2026 Date BYDA Job to Commence: 23/03/2026 Date BYDA Map Produced: 24/02/2026</p> <p>This Map is valid for 30 days Produced By: Urban Utilities</p> | <table border="0"> <tr> <th>Sewer</th> <th>Water</th> <th>Recycled Water</th> </tr> <tr> <td>● Infrastructure</td> <td>● Infrastructure</td> <td>● Infrastructure</td> </tr> <tr> <td>◆ Major Infrastructure</td> <td>◆ Major Infrastructure</td> <td>◆ Major Infrastructure</td> </tr> <tr> <td>— Network Pipelines</td> <td>— Network Pipelines</td> <td>— Network Pipelines</td> </tr> <tr> <td>▨ Network Structures</td> <td>▨ Network Structures</td> <td>▨ Network Structures</td> </tr> <tr> <td></td> <td>- - - Water Service (Indicative only)</td> <td></td> </tr> </table> | Sewer | Water | Recycled Water | ● Infrastructure | ● Infrastructure | ● Infrastructure | ◆ Major Infrastructure | ◆ Major Infrastructure | ◆ Major Infrastructure | — Network Pipelines | — Network Pipelines | — Network Pipelines | ▨ Network Structures | ▨ Network Structures | ▨ Network Structures | | - - - Water Service (Indicative only) | | <p>While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither Urban Utilities nor PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.</p> <p>The plans are indicative and approximate only and provided without warranties of any kind, express or implied including in relation to accuracy, completeness, correctness, currency or fitness for purpose.</p> <p>Urban Utilities takes no responsibility and accepts no liability for any loss, damage, costs or liability that may be incurred by any person acting in reliance on the information provided on the plans.</p> <p>This plan should be used as guide only. Any dimensions should be confirmed on site by the relevant authority.</p> <p>Based on or contains data provided by the State of Queensland (Department of Natural Resources and Mines) [2020]. In consideration of the State permitting the use of this data you acknowledge and agree that the State gives no warranty in relation to the data (including accuracy, liability in negligence) for any loss, damage or costs (including consequential damage) relating to any use of the data. Data must not be used for direct marketing or be used in breach of the privacy laws. © State of Queensland Department of Natural Resources and Mines [2020]</p> <p>For further information, please call Urban Utilities on 13 26 57 (8am-6pm weekdays). Faults and emergencies 13 23 64 (24/7). www.urbanutilities.com.au</p> <p>ABN 86 673 835 011</p> |
|--|---|---|-------|-------|----------------|------------------|------------------|------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|--|---------------------------------------|--|---|
| Sewer | Water | Recycled Water | | | | | | | | | | | | | | | | | | | |
| ● Infrastructure | ● Infrastructure | ● Infrastructure | | | | | | | | | | | | | | | | | | | |
| ◆ Major Infrastructure | ◆ Major Infrastructure | ◆ Major Infrastructure | | | | | | | | | | | | | | | | | | | |
| — Network Pipelines | — Network Pipelines | — Network Pipelines | | | | | | | | | | | | | | | | | | | |
| ▨ Network Structures | ▨ Network Structures | ▨ Network Structures | | | | | | | | | | | | | | | | | | | |
| | - - - Water Service (Indicative only) | | | | | | | | | | | | | | | | | | | | |

Referral
268787333

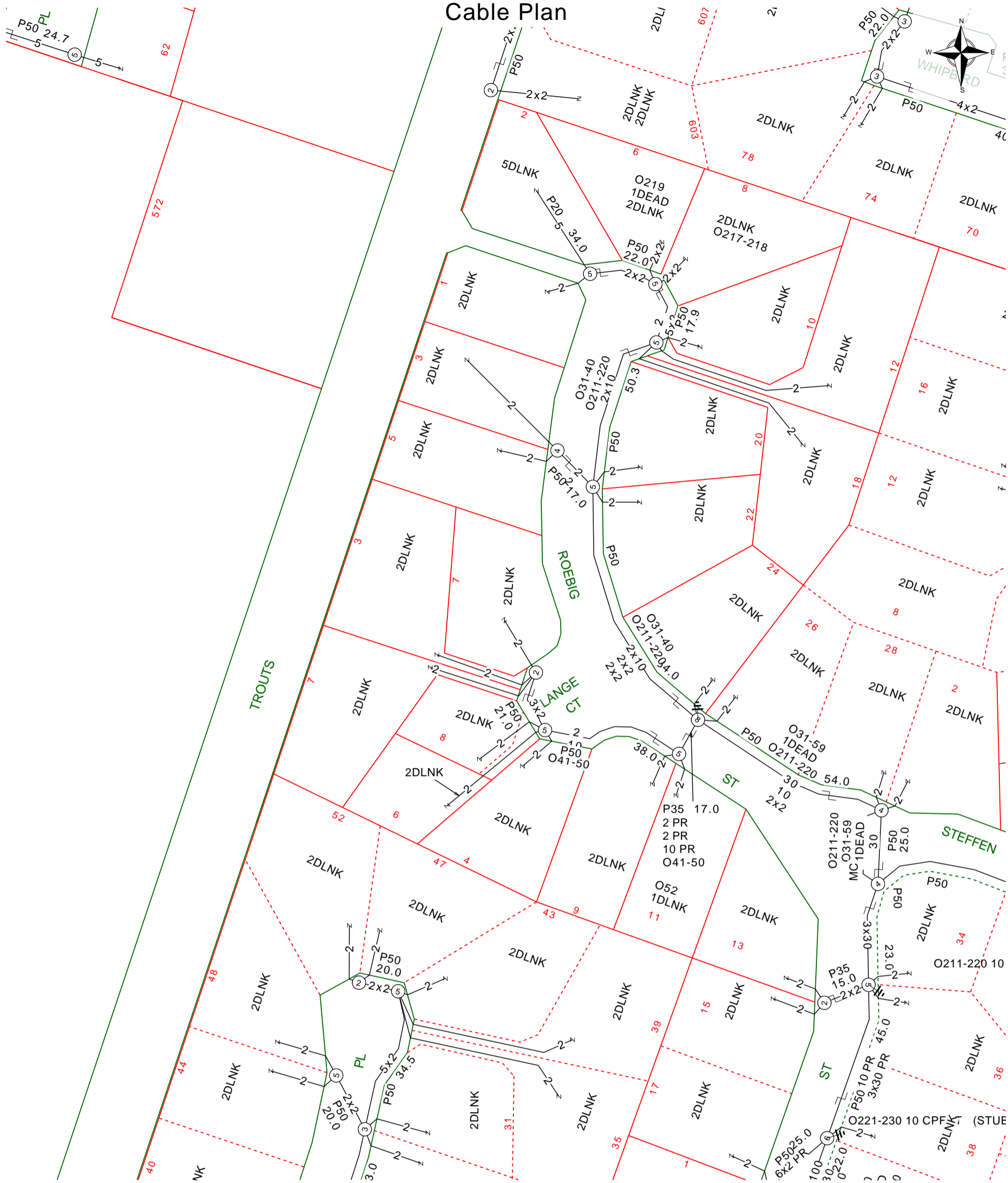
Member Phone
1800 653 935

Responses from this member

Response received Tue 24 Feb 2026 6.58pm

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| Telstra Duty of Care v33.0a.pdf | 85 |
| Telstra Map Legend v4_0c.pdf | 87 |

Cable Plan



Report Damage: <https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra/>
 Ph - 13 22 03
 Email - Telstra.Plans@team.telstra.com
 Planned Services - ph 1800 653 935 (AEST bus hrs only) General Enquiries

Sequence Number: 268787333

Please read Duty of Care prior to any excavating

TELSTRA LIMITED A.C.N. 086 174 781

Generated On 24/02/2026 19:56:51

The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

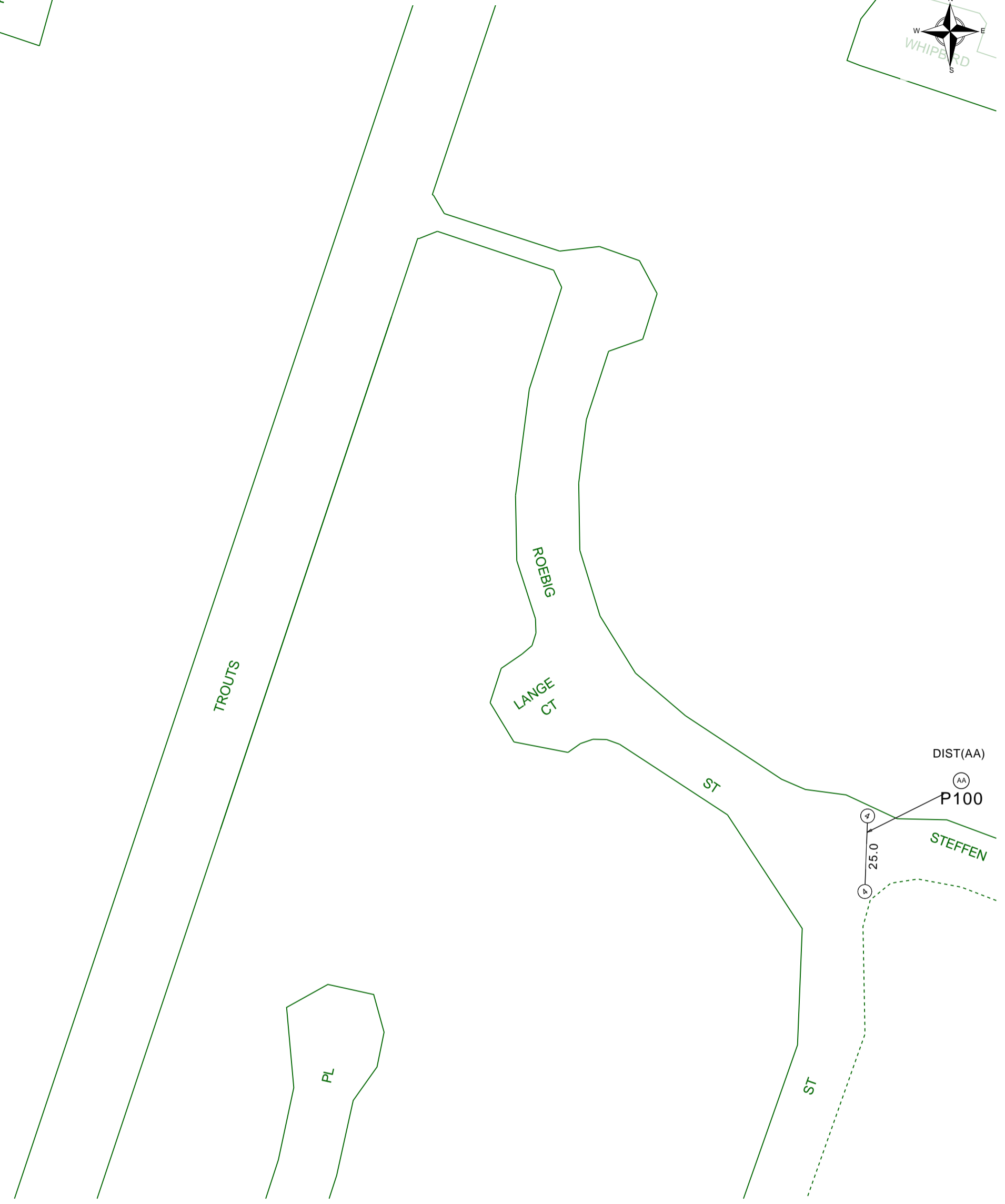
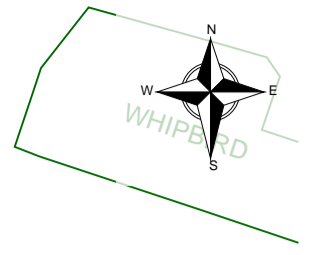
WARNING

Telstra plans and location information conform to Quality Level "D" of the Australian Standard AS 5488-Classification of Subsurface Utility Information. As such, Telstra supplied location information is indicative only. Spatial accuracy is not applicable to Quality Level D. Refer to AS 5488 for further details. The exact position of Telstra assets can only be validated by physically exposing it. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy. Further on site investigation is required to validate the exact location of Telstra plant prior to commencing construction work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the asset is protected during construction works.

See the Steps- Telstra Duty of Care that was provided in the email response.

Mains Cable Plan

PL



Report Damage: <https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra>
 Ph - 13 22 03
 Email - Telstra.Plans@team.telstra.com
 Planned Services - ph 1800 653 935 (AEST bus hrs only) General Enquiries

Sequence Number: 268787333

Please read Duty of Care prior to any excavating

TELSTRA LIMITED A.C.N. 086 174 781

Generated On 24/02/2026 19:56:52

The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

WARNING
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