

Anthony Keightley
Senior Civil Engineer
Kehoe Myers Consulting Engineers

Our Reference: J002708
Date: 31 March 2026

Preliminary Environmental Assessment Report for Grapetree Road Water Reservoir

Dear Anthony,

Range Environmental Consultants (Range Environmental) has prepared this Preliminary Environmental Assessment Report for the new Grapetree Road Water Reservoir within the Toowoomba Regional Council (TRC) Local Government Area (LGA) (Figure 1).

Proposed Water Reservoir Works

Toowoomba Regional Council are proposing to construct a new 400KL reservoir and replace existing pipeline infrastructure from the location of the new reservoir to the existing reservoir (to be decommissioned). The extent of works area includes the Grapetree Road reserve and Lot 10 SP106682 as displayed in Figure 2. A summary of the works is provided at Table 1 and the extent of works is shown at Figure 2. Range Environmental has assessed the entirety of the road reserve proposing pipeline replacement works and the location of the new reservoir.

Table 1 Proposed Works

Section of Works	Location	Summary of Proposed Works
Grapetree Road, Water Reservoir	Lot 3 RP117988	Decommission existing Grapetree Balance tank.
	Lot 10 SP106682	Construction of new 400KL reservoir.
	Grapetree Road reserve Approximate start coordinate: -27.3104, 152.0732 Approximate end coordinate: -27.3009, 152.0730	Replace existing DN 200 pipeline from the location of new reservoir to the old reservoir.
	Grapetree Road reserve Approximate start coordinate: -27.2979, 152.0729 Approximate end coordinate: -27.2972, 152.0744	Construction of PRV downstream of decommissioned Grapetree Balance Tank.



Figure 1 Site Locality

Project: Preliminary
Environmental
Assessment Report,
Grapetree Road Reservoir

Client: Kehoe Myers
Consulting Engineers

Project No.: J002708

Compiled by: SkyeMelton Date: 16/03/2026
Approved by: Will Gibson Date: 16/03/2026

0 100 200 Metres

Legend

- Cadastre
- Roads
- Extent of Works Area

The content of this document includes third party data. Range Environmental Consultants does not guarantee the accuracy of such data.

Source: Cadastral data sourced from DNRME (2025). Aerial imagery sourced from NearMap (2025).



range
environmental
consultants



Figure 2 Extent of Works

Project: Preliminary
Environmental
Assessment Report,
Grapetree Road Reservoir

Client: Kehoe Myers
Consulting Engineers

Project No.: J002708

Compiled by: Skye Melton Date: 16/03/2026
Approved by: Will Gibson Date: 16/03/2026

0 100 200 Metres

Legend

- Cadastre
- Roads
- Extent of Works Area
- New Pressure Relief Valve (PRV)
- Existing Reservoir (to be decommissioned)
- New Reservoir Site

The content of this document includes third party data. Range Environmental Consultants does not guarantee the accuracy of such data.

Source: Cadastral data sourced from DNRME (2025). Aerial imagery sourced from NearMap (2025).



range
environmental
consultants

Approach for Preliminary Environmental Assessment

The preliminary environmental assessment included a desktop analysis of relevant environmental and heritage databases and mapping. It also included a field assessment on 21st January 2026 to ground truth the desktop study findings. The objectives of the preliminary environmental assessment were to:

- Understand site conditions;
- Identify the need for more detailed assessments;
- Determine permits/approvals required for the works; and
- Nominate practical environmental management measures to be considered in the design of the works and during their execution to meet relevant regulatory requirements and minimise the potential environmental impacts of the works.

Findings of Preliminary Environmental Assessment

The assessment addressed the following environmental and cultural heritage matters for the proposed Grapetree Road Water Reservoir works on Grapetree Road:

- Contaminated land;
- Cultural heritage;
- Native title;
- Wetlands and waterways;
- Air, noise and vibration;
- Flora and fauna;
- Biosecurity.

The findings of the preliminary environmental assessment are detailed at Appendix A. The assessment used the following traffic light system for ease of reference for each assessment criteria:

- Green: low environmental or cultural heritage risk (i.e., no environmental permits/approvals/studies required, apply standard environmental management measures).
- Orange: medium environmental or cultural heritage risk (i.e., none, or only basic environmental permits/approvals/studies required, may require some site-specific environmental management measures).
- Red: high environmental or cultural heritage risk (i.e., requires more involved environmental permits/approvals/studies, requires site specific environmental management measures for highly sensitive matters).

Desktop search results are provided at Appendix B.

Summary of Further Required Actions

Table 2 below provides a summary of the key matters at Appendix A which require further action by Kehoe Myers. Please refer to Appendix A for the full findings of the desktop assessment.

Table 2 Summary of Key Matters

Environmental and Cultural Heritage Matters	Action	Extent of Works
Toowoomba Regional Council Heritage	A Construction and Environmental Management Plan is recommended to be prepared prior to works that identifies stockpiling, vehicle parking, biosecurity actions etc. to minimise indirect impacts to Pechey State Forest to the south and west.	Complete extent
Disturbance to Sensitive receptors	Figure 3 shows one (1) potential sensitive receptor occurs within 100m of the proposed extent of works area including the telecommunication lattice tower to the east. Standard construction site dust management controls should be used to minimise dust emissions.	Complete extent
Erosion and Sediment Control	An erosion and sediment control plan (ESCP) should be developed and implemented. The ESCP should be developed in accordance with Best Practice Erosion and Sediment Control (AustIECA, 2008).	Complete extent
Underground services	Above and below ground services occur in the area. Clear the area for services prior to the start of works and undertake works in accordance with the requirements of any third party asset owners.	Complete extent
Biosecurity	Undertake weed control prior to the commencement of works and implement standard construction site biosecurity controls.	Complete extent
Native vegetation and koala habitat	Clearing of native vegetation onsite may be required in areas of Category X (non-remnant) vegetation. Clearing of native vegetation within the extent of works area was assessed as exempt clearing work under the <i>Planning Regulation 2017</i> . The works may require the removal of koala habitat trees located within Koala District A. If vegetation removal is proposed onsite, a preclear assessment is recommended prior to clearing works. A qualified fauna spotter is required onsite for the duration of native tree clearing. It is recommended TRC consults internal Parks and Recreation Services Branch in regard to the Council Controlled Tree Management Policy. Any vegetation clearing should be minimised as far as practical and limited to the project scope.	Complete extent

We trust that the information provided is suitable for your requirements. Please do not hesitate to contact me on 0467 721 404 or skye.melton@rangeenviro.com.au if you have any queries.

Yours sincerely,



Skye Melton

Ecologist

Range Environmental Consultants

Appendices

- Appendix A: Preliminary Environmental Assessment Findings
- Appendix B: Desktop Search Results

Appendix A Preliminary Environmental Assessment Findings

Table 3 Preliminary Environmental Assessment Findings- Grapetree Road Reservoir

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
Contaminated Land						
Is the site registered as a contaminated site on the EMR or CLR?	☐	☒	If yes, a site assessment investigation or testing may need to be conducted, contact a Suitably Qualified Person (SQP) under the <i>Environmental Protection Act 1994</i>. Range Environmental Consultants are SQPs under the EP Act.	Kehoe Myers Consulting Engineers	The majority of works will be contained within the Grapetree Road reserve. Road reserves are not included in the EMR/CLR. The existing reservoir to be decommissioned is location on freehold land on Lot 3 RP117988. The new reservoir is proposed on freehold land on Lot 10 SP106682. The proposed works are wholly contained on sites not included in on the Environmental Management Register (EMR) or the Contaminated Land Register (CLR). If indicators of contamination (i.e., odours, staining, buried waste etc) are encountered during works engage a Suitably Qualified Person to advise on management. See Attachment 1 of the desktop search results.	
Native Title						
Is there a native title (NT) claim or determination over the site?	☐	☒	If yes, you may need to consult with the claimants. Refer to the relevant determination or claim documents.	N/A	No Native Title claim is mapped over the extent of works area, and the majority of the works will be wholly contained within the road reserve. Native title is wholly and permanently extinguished in areas dedicated as road reserves on or before 23 December 1996 (Queensland Government Native Title Work Procedures 2024). Historical imagery shows that Grapetree Road has been in place prior to 1996 (Attachment 4).	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
					A portion of the works is proposed on freehold land Lot 3 RP117988 and Lot 10 SP106682. No native title claim is mapped over the extent of works area. See Attachment 2 and Attachment 3 of the Desktop search results.	
Is there an Indigenous Land Use Agreement (ILUA) over that area?	☐	☒	If yes, native title may not be extinguished. Refer to QLD government native title procedures.	N/A	No ILUA is mapped over the site. See Attachment 2 of the Desktop search results.	
Cultural Heritage						
Is the site recorded as a cultural heritage site OR are there recorded sites within close proximity to the project location?	☐	☒	If yes, consult with Aboriginal party named in the map to conduct site survey/walk through, in accordance with Aboriginal cultural heritage guidelines. https://www.datsip.qld.gov.au/resources/datsima/people-communities/cultural-heritage/duty-of-care-guidelines.pdf . Must be done during concept phase to allow for modifications to design if necessary.	Kehoe Myers Consulting Engineers	No cultural heritage sites are present on the site or within close proximity. The works including ground disturbance are proposed in a previously disturbed area with existing infrastructure. The Aboriginal party for the area is the Western Wakka Wakka People. See Attachment 3 of the Desktop search results.	
Is the project located outside of a heavily developed urban area? AND Will the project cause new or	☐	☒	If yes, engage Aboriginal party as above.	Kehoe Myers Consulting Engineers	The extent of works area has been previously disturbed from road asset infrastructure construction and maintenance and existing Toowoomba Regional Council reservoir infrastructure. The landscape has been disturbed from pasture grazing, rural areas and state forest. The site contains existing trunk water infrastructure and has been previously subject to ground disturbance.	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
additional surface disturbance to what has been caused in the past (e.g., clearing/earthworks beyond the table drains and verge regularly maintained or installation of new pipeline?).					See Attachment 4 of the Desktop search results for historical imagery for the area to show the history of disturbance. Vegetation within the extent of works area included existing disturbed Category X (non-remnant) vegetation containing a mixture of open grassed areas and patches of native vegetation. The majority of the road reserve and Lot 10 SP106682 contained no canopy vegetation values with grassy groundcover and associated pasture weeds. Portions of the road reserve were vegetated and included a native canopy and mixed composition sub-canopy and shrub layer. A grassy groundcover was present that included a mix of native and invasive herbs. This vegetation included a thin corridor retained in the road reserve and had no connectivity to surrounding native vegetation values as a result of pasture grazing activities and the state forest. Additionally, no physical areas of potential cultural heritage significance were recorded within the proposed works footprint during the field assessment (e.g. caves, scarred trees, rock art, waterways, visible artefact scatters or waterholes). Therefore, it is our understanding that the proposed works will fall under Category 4 of the Duty of Care Guidelines “Areas previously subject to Significant Ground Disturbance” and works may proceed without further assessment. Should an unexpected cultural heritage find be recorded, cease works and enact TRC’s Cultural Heritage Finds protocols.	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
Heritage						
Are there any Commonwealth heritage sites within close proximity to the project site?	☐	☒	If yes, seek expert advice. May need to conduct a dilapidation survey and/or modify construction methods to reduce vibration and noise impacts.	N/A	No Commonwealth heritage sites are located within close proximity to the site. See Attachment 5 of desktop search results.	
Are there any Queensland heritage sites within close proximity to project site?	☐	☒	If yes, seek expert advice. May need to conduct a dilapidation survey and/or modify construction methods to reduce vibration and noise impacts.	N/A	No Queensland Heritage places are located in close proximity to the site. Pechey Forestry Arboretum is located to the west of the extent of works area however is located greater than 1km from the site. See Attachment 6 of desktop search results.	
National Trust of Queensland Are there any National Trust of Queensland heritage sites within close proximity to project site?	☐	☒	If yes, seek expert advice. May need to conduct a dilapidation survey and/or modify construction methods to reduce vibration and noise impacts.	N/A	No National Trust of Queensland Heritage sites are located within close proximity to the site. See Attachment 7 of desktop search results.	
Is the site or any adjoining properties mapped under the Toowoomba Regional Council Local Heritage Overlay?	☒	☐	If yes, consider impacts to built heritage places.	Kehoe Myers Consulting Engineers	The extent of works area adjoins mapped Toowoomba Regional Council Heritage Overlay areas in association with Pechey State Forest to the south and west. The Pechey State Forest contains no built heritage places and works are wholly contained within the Grapetree Road Reserve. The pipeline to be constructed is proposed in the eastern portion of Grapetree Road Reserve and is	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
					separated from the state forest by the road reserve and state forest tracks. A Construction and Environmental Management Plan is recommended to be prepared prior to works that identifies stockpiling, vehicle parking, biosecurity actions etc. to minimise indirect impacts to Pechey State Forest. See Attachment 8 of desktop search results.	
Waterways and Wetlands						
Is the site located within a low, medium or high impact fish habitat for waterway barrier works?	☐	☒	If yes, design must be in accordance with Accepted Development Requirements for Operational Work that is Constructing or Raising Waterway Barrier Works (ADR) OR referred to SARA.	N/A	The extent of works area does not intersect any mapped fish habitat. See Attachment 9 of desktop search results.	
Is site located within a mapped watercourse under the <i>Water Act 2000</i> ?	☐	☒	If yes, review the Application of Exemption Requirements (Section 3) and Minimum Requirements (Section 4) of the Riverine Protection Permit Exemption Requirements (Version 2.01). If the exemption requirements cannot be met, a riverine protection permit would be required.	N/A	The extent of works area contains no mapped watercourses under the <i>Water Act 2000</i>. The extent of works area intersects an unmapped feature under the <i>Water Act 2000</i>. No watercourses or drainage lines were observed in the extent of works area. See Attachment 10 of desktop search results.	
Does the site include Wetland Protection Areas or Wetland Protection Trigger Areas?	☐	☒	If yes, review exemption/approval requirements for the works under the State Development Assessment Provisions (SDAP) and Planning Act 2016.	N/A	The extent of works area does not include Wetland Protection Areas or Wetland Protection Trigger Areas. See Attachment 11 of desktop search results.	
Erosion and Sediment Control						

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
Will the project involve earthworks?	☒	☐	If yes, prepare an erosion and sediment control plan (ESCP) and include within construction documents.	Kehoe Myers Consulting Engineers	An ESCP should be developed and implemented. The ESCP should be developed in accordance with Best Practice Erosion and Sediment Control (AustIECA, 2008).	
Air, Noise and Vibration						
Could construction generate dust, smoke or chemical drifts and are there any sensitive receptors located within 100m?	☒	☐	If yes, identify nearby sensitive receptors and include in CEMP.	Kehoe Myers Consulting Engineers	Figure 3 shows one (1) potential sensitive receptor occurs within 100m of the proposed extent of works including the telecommunication lattice tower to the east. Standard construction site dust management controls should be used to minimise dust emissions.	
Will construction involve unusually noisy activities? (E.g., pile driving).	☒	☐	If yes, consider impacts to nearby residents and consider stricter working hours for noisy activities. Increase level of consultation with sensitive receptors.	N/A	Noisy activities may occur during the proposed works. No dwellings are located within 100m of the proposed extent of works. Working hours will be 6.30am to 6:30pm Monday to Saturday (no works on Sundays or Public Holidays). Standard construction site noise management control should be used to minimise noise emissions.	
Will heavy vibrating rollers be used near a dwelling or sensitive area?	☐	☒	If yes, consider the need for a dilapidation survey and vibration impact assessment.	N/A	Heavy vibrating rollers may be used for the reservoir construction. One (1) sensitive receptor including the telecommunication lattice tower is located within 100m of the extent of works area, however this infrastructure is located greater than 30m from the reservoir site.	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
					The NSW Construction Noise and Vibration Guideline 2026 state a minimum distance of 25 meters separation is required between the proposed works area and the nearest structures for use of up to an 18 tonne vibratory roller in order to avoid cosmetic damage to structures.	
Will heavy vibrating rollers be used near sensitive pipelines such as gas or sewage services?	☐	☒	If yes, seek expert advice.	Kehoe Myers Consulting Engineers	Underground infrastructure is shown at the site in the DBYD records. Toowoomba Regional Council (TRC) existing trunk main is located within the Grapetree Road reserve with existing water hydrants in association with the proposed reservoir site. Existing TRC scour pipe and reticulated main is located on Lot 3 RP117988 in association with the reservoir to be decommissioned. Underground Telstra infrastructure including cables are located in the extent of works area. Ensure current services are located and avoided during excavation works. Engage with asset owners as required based on the nature of works and proximity to underground and aboveground third party assets. See Attachment 12 of the desktop searches for the Dial Before You Dig (DBYD) reports.	
Flora						
Are the works located within mapped Regulated Vegetation?	☐	☒	If yes, refer to the relevant exemptions and acceptable development provisions to determine whether further assessment is required.	Kehoe Myers Consulting Engineers	Figure 4 shows that the entirety of the extent of works area intersects mapped areas of Category X (non-remnant) vegetation. Clearing of native vegetation (if required) can be undertaken as exempt clearing work under the <i>Planning Regulation</i>	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
					2017. Clearing works within freehold land may be completed as exempt clearing work under the <i>Planning Regulation 2017</i>, Schedule 21, Part 2, (2), (d). The majority of the road reserve and Lot 10 SP106682 contained no canopy vegetation values with grassy groundcover and associated pasture weeds. Portions of the road reserve were vegetated and included canopy and sub-canopy species generally aligning with the mix-polygon pre-clear Regional Ecosystems. This vegetation included a thin corridor retained in the road reserve and had no connectivity to surrounding native vegetation values as a result of pasture grazing activities and the state forest. The canopy was dominated by Yellowbox (<i>Eucalyptus melliodora</i>), Grey ironbark (<i>Eucalyptus siderophloia</i>), Grey gum (<i>Eucalyptus propinqua</i>), Rough-barked apple (<i>Angophora floribunda</i>), Silky oak (<i>Grevillea robusta</i>), Brush box (<i>Lophostemon confertus</i>), Stags and Gum-topped box (<i>Eucalyptus moluccana</i>). The sub-canopy included Broad-leaved privet (<i>Ligustrum lucidum</i>), <i>Acacia</i> sp., Brush wilga (<i>Geijera salicifolia</i>), and <i>Flindersia</i> sp.. The shrub layer was sparse with observed Coffee bush (<i>Breynia oblongifolia</i>), Lantana (<i>Lantana camara</i>), Chain fruit (<i>Alyxia oblongata</i>) and Arsenic bush (<i>Senna septemtrionalis</i>). If vegetation removal is proposed onsite, a preclear assessment is recommended prior to clearing works. A qualified fauna spotter is required onsite for the duration of native tree clearing.	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
					The works may require the removal of koala habitat trees located within Koala District A. Vegetation clearing onsite will need to comply with Part 3, subsection 10 of the Nature Conservation Plan 2017. A qualified fauna spotter is required onsite for the duration of vegetation removal. Clearing of Category X vegetation may be undertaken in road reserve under the <i>Planning Regulation 2017</i>, Schedule 21, Part 2, 5, (a)(ii). It is recommended TRC consults internal Parks and Recreation Services Branch in regard to the Council Controlled Tree Management Policy. Any vegetation clearing should be minimised as far as practical and limited to the project scope.	
Will there be clearing of protected plants that occur “in the wild”?	☐	☒	If yes, go to next question.	N/A	Vegetation clearing onsite will not intersect areas mapped high-risk area on a flora trigger map. The site assessment identified the majority of the road reserve contained no canopy vegetation values with grassy groundcover and associated pasture weeds. Portions of the road reserve were vegetated and included a native canopy, mixed composition sub-canopy and shrub layer. A grassy groundcover was present that included a mix of native and invasive herbs. One (1) CEEVNT plant species has been recorded within 5 km of the site including Toadflax (<i>Thesium australe</i>), however, no threatened plant species were observed at or adjacent to the site.	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
					See Attachment 13 of desktop search results for protected plants trigger mapping.	
Are the works located within a mapped high-risk area on a flora trigger map for protected plants?	☐	☒	If yes, review the exemption, permitting and flora survey requirements under the Nature Conservation (Plants) Regulation 2020.	N/A	Vegetation clearing onsite will not intersect areas mapped high-risk areas on a flora survey trigger map. Furthermore, no threatened plant species were observed onsite. See Attachment 13 of desktop search results for protected plants trigger mapping.	
Commonwealth Matters						
<i>Environmental Protection and Biodiversity Conservation Act 1999</i> Are impacts to MNES likely?	☐	☒	If yes, conduct a survey in accordance with the survey guidelines for Australia's threatened mammals and make appropriate recommendations for proceeding with a referral to DAWE.	N/A	The site and surrounds are disturbed from road asset infrastructure, pasture grazing, rural properties, existing water infrastructure and planted state forest areas. No MNES were observed at the site and due to its disturbed nature is unlikely to provide habitat requirements for threatened flora/fauna/TEC. See Attachment 14 of desktop search results.	
Will the activity fit within one of the continuing use exemptions in the EPBC Act?	☐	☒	If yes comment on the exemption and which species/communities are likely to occur at the site in the comments section and go to next question. If no, verify the presence or absence of MNES at the site with an on-ground assessment and comment on the likelihood of the project having a significant adverse impact on these species or not.	N/A	Not applicable, as no MNES likely to be affected by the works.	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
State Forest						
Does the project impact on State Forest?	☐	☒	If yes, approval from the Department of Agriculture, Fisheries and Forestry may be required.	N/A	The project does not impact State forestry areas. Pechey State Forest is located to the south and east of the extent of works area, however the pipeline to be constructed is proposed in the eastern portion of Grapetree Road Reserve and is separated from the state forest by the road reserve and state forest tracks.	
Fauna						
Is the project construction?	☒	☐	If yes, an assessment to determine the presence or absence of animal breeding places must be undertaken in accordance with the NCA 1992.	Kehoe Myers Consulting Engineers	The project includes demolition of the existing water reservoir and construction of a new reservoir and associated pipeline. The WildNet Online Database search found the following Critically Endangered, Endangered, Vulnerable or Near Threatened (CEENVT) and special least concern fauna species may occur within 5km of the site (see Attachment 15 of desktop search results): • Brush-tailed rock-wallaby (<i>Petrogale penicillata</i>) • Glossy black-cockatoo (eastern) (<i>Calyptorhynchus lathami lathami</i>) • Grey-headed flying fox (<i>Pteropus poliocephalus</i>) • Koala (<i>Phascolarctos cinereus</i>) • Latham's snipe (<i>Gallinago hardwickii</i>)	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
					- New Holland mouse (<i>Pseudomys novaehollandiae</i>) - Platypus (<i>Ornithorhynchus anatinus</i>) - Powerful owl (<i>Ninox strenua</i>) - Sharp-tailed sandpiper (<i>Calidris acuminata</i>) - Short-beaked echidna (<i>Tachyglossus aculeatus</i>) - Sooty albatross (<i>Phoebastria fusca</i>) - Southern greater glider (<i>Petauroides volans volans</i>) - Tusked frog (<i>Adelotus brevis</i>) - White-throated needletail (<i>Hirundapus caudacutus</i>) No habitat features were recorded within vegetation in the extent of works area. Incidental fauna observations during the field assessment included least concern species typical of a disturbed environment including Torresian crow (<i>Corvus orru</i>), Noisy miner (<i>Manorina melanocephala</i>), Brown quail (<i>Synoicus ypsilophorus</i>), Pheasant coucal (<i>Centropus phasianinus</i>), Eastern whipbird (<i>Psophodes olivaceus</i>), Pale-headed rosella (<i>Platycercus adscitus</i>), Red-backed fairywren (<i>Malurus melanocephalus</i>) and Australian magpie (<i>Gymnorhina tibicen</i>). If vegetation removal is proposed onsite, a pre-clear assessment is recommended prior to clearing activities.	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
					A qualified fauna spotter is required onsite for the duration of native tree clearing. See Attachment 15 of desktop search results.	
Is the project area likely to contain breeding places for colonial breeders or CEEVNT species?	☐	☒	If yes, conduct an on-ground assessment to verify the presence of colonial breeders or CEEVNT species. If present, prepare a High Risk SMP.	Kehoe Myers Consulting Engineers	The site is unlikely to provide breeding places for CEEVNT species or colonial breeders due to the disturbed nature of the site and surrounds (Photograph 1 and Photograph 3). The site contained sparse native canopy vegetation values. No active breeding places were observed at the site for other fauna. The potential for CEEVNT species is considered low due to the existing disturbed extent of works area and sparse canopy vegetation values observed in this area.	
Biosecurity						
Will the project include ground disturbance of vegetated areas and earthworks?	☒	☐	Ensure appropriate controls are in place to meet the General Biosecurity Obligation under the <i>Biosecurity Act 2014</i> .	Kehoe Myers Consulting Engineers	Ensure appropriate biosecurity controls are implemented to meet the General Biosecurity Obligation (GBO) under the <i>Biosecurity Act 2014</i> . Controls may include weed hygiene protocols for plant and machinery, identification and management of key weed species, controls regarding importing/exporting of earthen materials. During the field assessment, four (4) Category 3 invasive weeds were identified including Fireweed (<i>Senecio madagascariensis</i>), Lantana (<i>Lantana camara</i>), Camphor laurel (<i>Cinnamomum camphora</i>) and Broad-leaved privet (<i>Ligustrum lucidum</i>). A number of additional pasture weeds and escaped garden varieties were present.	

Environmental parameter	Yes	No	Action required	Responsibility	Summary and Recommendations	Risk Rating
					Weed controls should be undertaken prior to the start of works. The site is not in a Fire Ant Biosecurity Zone. Movement controls apply if materials are sourced from Fire Ant Biosecurity Zone 1 or 2. Report prohibited or Category 1 and 2 restricted species to Biosecurity Queensland within 24 hours if they are encountered within or adjacent to the works site. Refer to Attachment 16 for the weed species list.	



Photograph 1 View looking north of the proposed reservoir site (Lot 10 SP106682).



Photograph 2 View looking west of the existing reservoir to be decommissioned (Lot 3 RP117988).



Photograph 3 View looking west from the approximate start location of the pipeline replacement works (-27.3104, 152.0732).



Photograph 4 View looking south from the approximate end location of the pipeline replacement works (-27.3009, 152.0730).

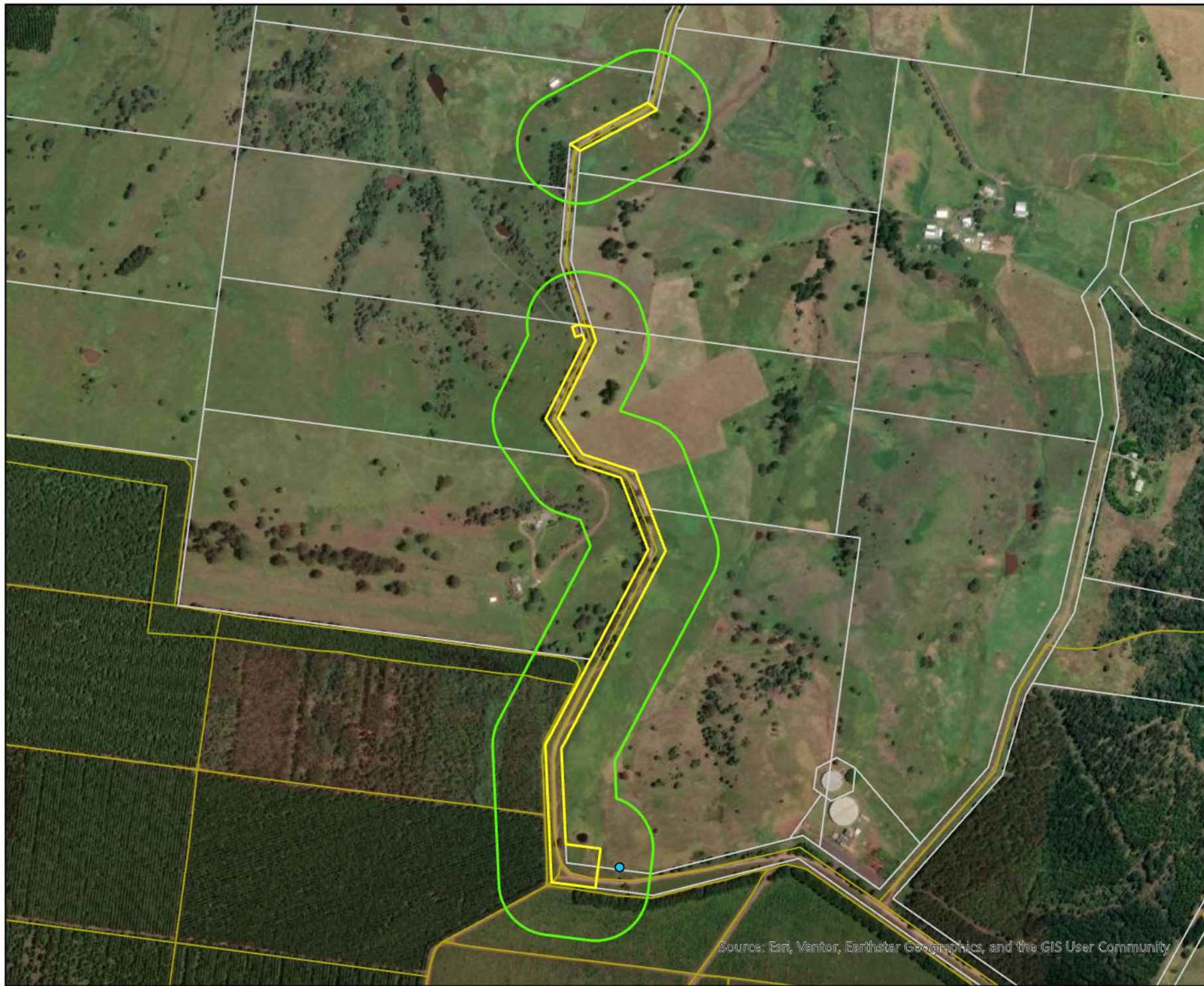


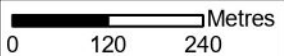
Figure 3 Sensitive Receptor Map

Project: Preliminary
Environmental
Assessment Report,
Grapetree Road Reservoir

Client: Kehoe Myers
Consulting Engineers

Project No.: J002708

Compiled by: Skye Melton Date: 16/03/2026
Approved by: Will Gibson Date: 16/03/2026



- Legend**
- Cadastre
 - Roads
 - 100m Buffer
 - Extent of Works Area
 - Sensitive Receptor

The content of this document includes third party data. Range Environmental Consultants does not guarantee the accuracy of such data.

Source: Cadastral data sourced from DNRME (2025). Aerial imagery sourced from NearMap (2025).



**Figure 4
Regulated Vegetation
and Regional
Ecosystems**

Project: Preliminary
Environmental
Assessment Report,
Grapetree Road Reservoir

Client: Kehoe Myers
Consulting Engineers

Project No.: J002708

Compiled by: Skye Melton Date: 16/03/2026
Approved by: Will Gibson Date: 16/03/2026

0 100 200 Metres

Legend

- Cadastre
- Roads
- Extent of Works Area
- Category A or B
containing of
concern
- Category C or R
containing of
concern
- Non-remnant

The content of this document includes third party data. Range Environmental Consultants does not guarantee the accuracy of such data.

Source: Cadastral data sourced from DNRME (2025). Aerial imagery sourced from NearMap (2025).



range
environmental
consultants

Appendix B Desktop Search Results

- Attachment 1: EMR/CLR Register
- Attachment 2: Native Title Mapping
- Attachment 3: DATSIP Report
- Attachment 4: Historical Imagery
- Attachment 5: Commonwealth Heritage
- Attachment 6: QLD Heritage Map
- Attachment 7: NTAQ Heritage Register
- Attachment 8: TRC Heritage Overlay Map
- Attachment 9: Waterway Barrier Works Mapping
- Attachment 10: Watercourse Map
- Attachment 11: Wetland Map
- Attachment 12: DBYD Searches
- Attachment 13: Protected Plants Trigger Map
- Attachment 14: Protected Matters Search Tool Report
- Attachment 15: Wildnet Report
- Attachment 16: Weed Species List



Department of the Environment, Tourism, Science and Innovation (DETSI)
ABN 46 640 294 485
GPO Box 2454, Brisbane QLD 4001, AUSTRALIA
www.detsi.qld.gov.au

SEARCH RESPONSE
ENVIRONMENTAL MANAGEMENT REGISTER (EMR)
CONTAMINATED LAND REGISTER (CLR)

Skye Melton
189 Hume Street
Toowoomba City QLD 4350

Transaction ID: 51131297 EMR Site Id: 19 March 2026
Cheque Number:
Client Reference:

This response relates to a search request received for the site:

Lot: 3 Plan: RP117988
GRAPETREE RD
PECHEY

EMR RESULT

The above site is NOT included on the Environmental Management Register.

CLR RESULT

The above site is NOT included on the Contaminated Land Register.

ADDITIONAL ADVICE

All search responses include particulars of land listed in the EMR/CLR when the search was generated.
The EMR/CLR does NOT include:-

1. land which is contaminated land (or a complete list of contamination) if DETSI has not been notified
2. land on which a notifiable activity is being or has been undertaken (or a complete list of activities) if DETSI has not been notified

If you have any queries in relation to this search please email emr.clr.registry@detsi.qld.gov.au

Administering Authority



Department of the Environment, Tourism, Science and Innovation (DETSI)
ABN 46 640 294 485
GPO Box 2454, Brisbane QLD 4001, AUSTRALIA
www.detsi.qld.gov.au

SEARCH RESPONSE
ENVIRONMENTAL MANAGEMENT REGISTER (EMR)
CONTAMINATED LAND REGISTER (CLR)

Skye Melton
189 Hume Street
Toowoomba City QLD 4350

Transaction ID: 51108976 EMR Site Id: 29 January 2026
Cheque Number:
Client Reference:

This response relates to a search request received for the site:
Lot: 10 Plan: SP106682
THOMPSON RD
GRAPETREE

EMR RESULT

The above site is NOT included on the Environmental Management Register.

CLR RESULT

The above site is NOT included on the Contaminated Land Register.

ADDITIONAL ADVICE

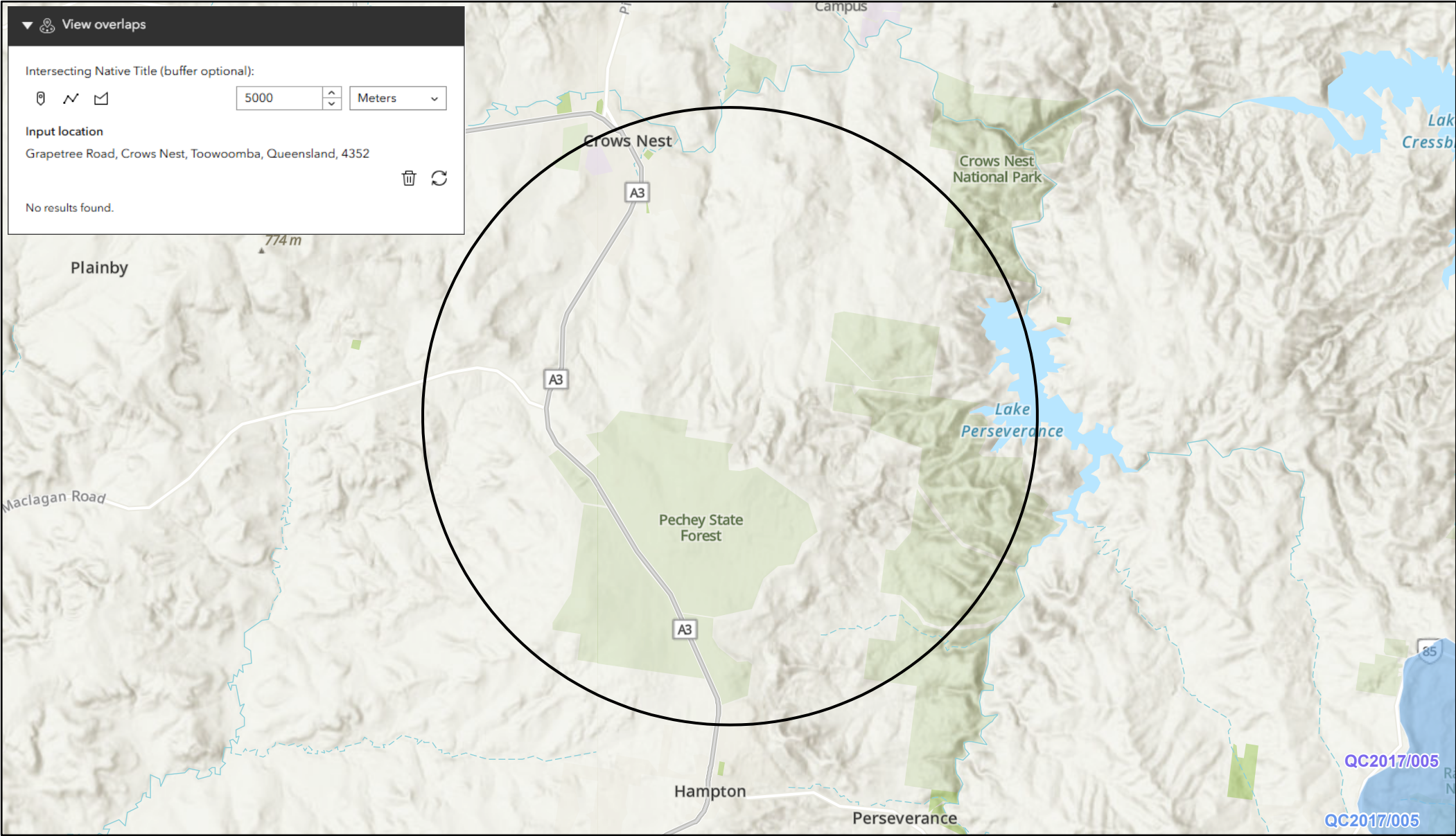
All search responses include particulars of land listed in the EMR/CLR when the search was generated.
The EMR/CLR does NOT include:-

1. land which is contaminated land (or a complete list of contamination) if DETSI has not been notified
2. land on which a notifiable activity is being or has been undertaken (or a complete list of activities) if DETSI has not been notified

If you have any queries in relation to this search please email emr.clr.registry@detsi.qld.gov.au

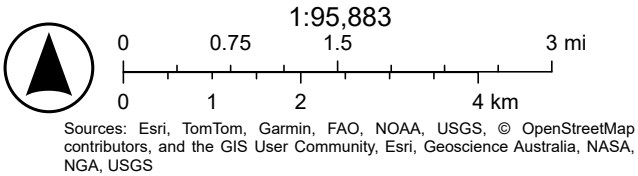
Administering Authority

Native Title Vision Web Map



1/29/2026, 12:59:52 PM

- Applications (RNTC)
- Applications (Schedule)



Cultural Heritage Database and Register Search Report

Search report reference number: 210265

The Aboriginal and Torres Strait Islander Cultural Heritage Database (cultural heritage database) and Aboriginal and Torres Strait Islander Cultural Heritage Register (cultural heritage register) have been searched in accordance with the location description provided, and the results are set out in this report.

The cultural heritage database is intended to be a research and planning tool to help Aboriginal and Torres Strait Islander parties, researchers, and other persons in their consideration of the cultural heritage values of particular areas.

The cultural heritage register is intended to be a depository for information for consideration for land use and land use planning, and a research and planning tool to help people in their consideration of the Aboriginal cultural heritage values of particular objects and areas.

Aboriginal or Torres Strait Islander cultural heritage which may exist within the search area is protected under the [Aboriginal Cultural Heritage Act 2003](#) and the [Torres Strait Islander Cultural Heritage Act 2003](#) (the Cultural Heritage Acts), even if the department has no records relating to it.

The placing of information on the database is not intended to be conclusive about whether the information is up-to-date, comprehensive or otherwise accurate.

Under the Cultural Heritage Acts, a person carrying out an activity must take all reasonable and practicable measures to ensure the activity does not harm Aboriginal or Torres Strait Islander cultural heritage. This applies whether or not such places are recorded in an official register and whether or not they are located on private land.

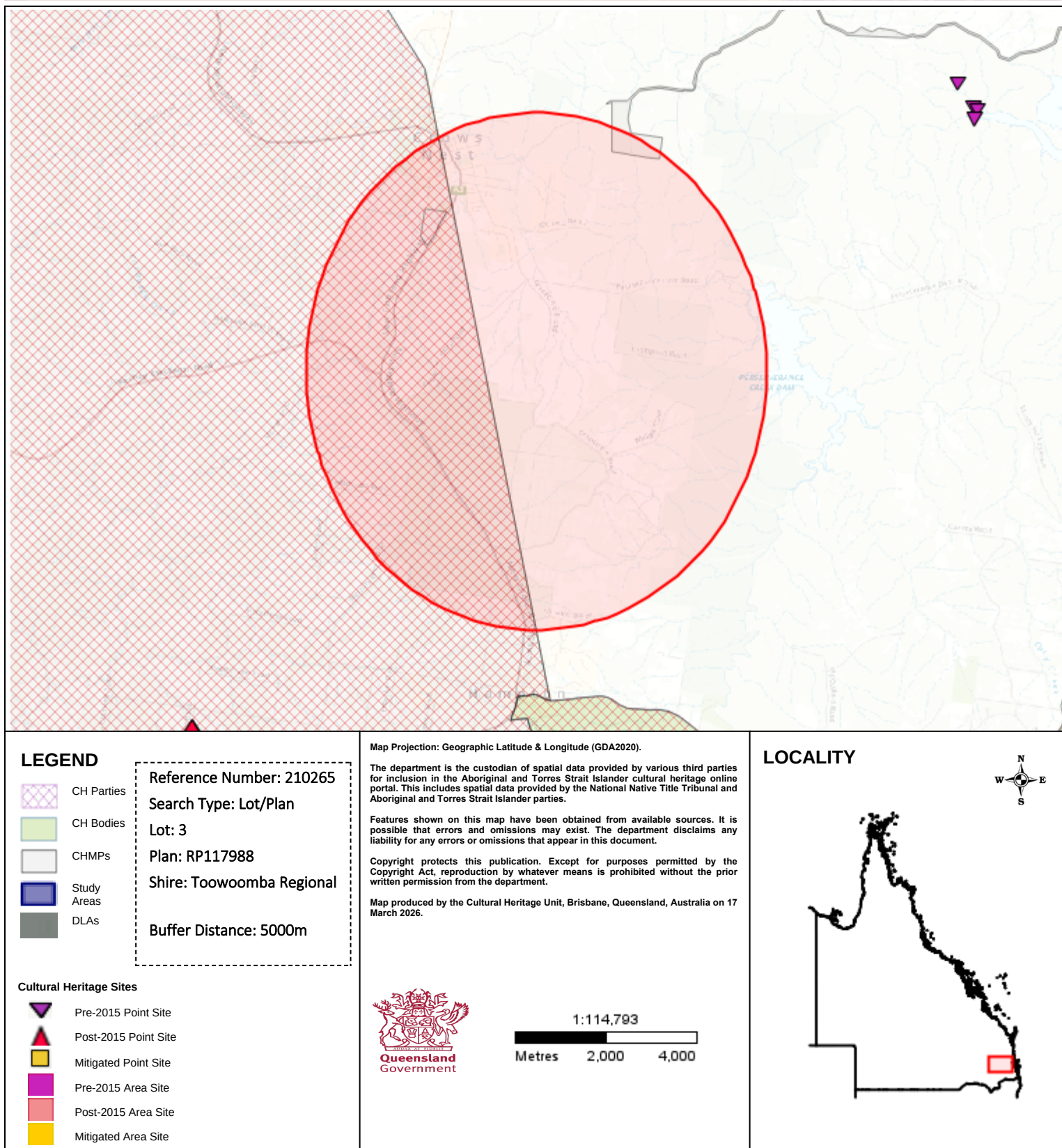
Please refer to the department website <https://www.qld.gov.au/firstnations/environment-land-use-native-title/cultural-heritage/cultural-heritage-duty-of-care> to obtain a copy of the gazetted Cultural Heritage Duty of Care Guidelines, which set out reasonable and practicable measure for meeting the cultural heritage duty of care.

In order to meet your duty of care, any land-use activity within the vicinity of recorded cultural heritage should not proceed without the agreement of the Aboriginal or Torres Strait Islander Party for the area, or by developing a Cultural Heritage Management Plan under Part 7 of the Cultural Heritage Acts.

The extent to which the person has complied with Cultural Heritage Duty of Care Guidelines and the extent the person consulted Aboriginal or Torres Strait Islander Parties about carrying out the activity – and the results of the consultation – are factors a court may consider when determining if a land user has complied with the cultural heritage duty of care.

Should you have any further queries, please do not hesitate to contact the department via email: cultural.heritage@dwatsipm.qld.gov.au or telephone: 1300 378 401.

Cultural Heritage Database and Register Search Report



Cultural Heritage Database and Register Search Report

There are no Aboriginal or Torres Strait Islander cultural heritage site points recorded in your specific search area.

There are no Aboriginal or Torres Strait Islander cultural heritage site polygons recorded in your specific search area.

Cultural Heritage Party/ies for the area:

Reference No.	Federal Court No.	Name	Contact Details
QC1999/004 PRC	QUD6004/99	Western Wakka Wakka People	Margaret McLeod c/o Jonathon Fulcher, jonathan.fulcher@au.kwm.com, 07 3244 8120 c/o Adrian Beattie E: adrianbeattie721@gmail.com M:0400 731 616

There are no Cultural Heritage Bodies recorded in your specific search area.

Cultural Heritage Management Plans (CHMPs) for the area:

Reference No.	Project	Sponsor	Party	Registration Date
CLH000759	Approved CHMP - APLNG project	Origin Energy	Western Wakka Wakka	Mar 24, 2010
CLH023006	Approved CHMP - Big-T Pumped Hydro	BE Power Projects Pty Ltd as Trustee for Big-T Unit Trust.	Western Wakka Wakka	Aug 21, 2023

There are no Designated Landscape Areas (DLA) recorded in your specific search area.

There are no Registered Cultural Heritage Study Areas recorded in your specific search area.

There are no National Heritage Areas (Indigenous values) recorded in your specific search area.

Cultural Heritage Database and Register Search Report

Glossary

Cultural Heritage Body: An entity registered under Part 4 of the Cultural Heritage Acts as an Aboriginal or Torres Strait Islander cultural heritage body for an area. The purpose of a cultural heritage body is to:

- identify the Aboriginal or Torres Strait Islander parties for an area
- serve as the first point of contact for cultural heritage matters.

Cultural Heritage Management Plan (CHMP): An agreement between a land user (sponsor) and Traditional Owners (endorsed party) developed under Part 7 of the Cultural Heritage Acts. The CHMP explains how land use activities can be managed to avoid or minimise harm to Aboriginal or Torres Strait Islander cultural heritage.

Cultural Heritage Party: Refers to a native title party for an area. A native title party is defined as:

- Registered native title holders (where native title has been recognised by the Federal Court of Australia).
- Registered native title claimants (whose native title claims are currently before the Federal Court of Australia).
- Previously registered native title claimants (the 'last claim standing') are native title claims that are no longer active and have been removed from the Register of Native Title Claims administered by the National Native Title Tribunal. Previously registered native title claimants will continue to be the native title party for that area providing:
 - o there is no other registered native title claimant for the area; and
 - o there is not, and never has been, a registered native title holder for the area.

The native title party maintains this status within the external boundaries of the claim even if native title has been extinguished.

Cultural heritage site points (pre 2015): Aboriginal and Torres Strait Islander cultural heritage sites and places recorded in the database as point data **before** 1 July 2015.

Cultural heritage site points (post 2015): Aboriginal and Torres Strait Islander cultural heritage sites and places recorded in the database as point data **after** 1 July 2015.

Cultural heritage site points (post 2015 mitigated): Aboriginal and Torres Strait Islander cultural heritage sites and places recorded in the database as point data after 1 July 2015 where the recorder has advised the department that the site has been mitigated.

Cultural heritage site polygons: Aboriginal and Torres Strait Islander cultural heritage sites and places recorded in the database as a polygon.

Department: the department responsible for administering the Cultural Heritage Acts.

Designated Landscape Areas (DLA): Under the repealed *Cultural Record (Landscapes Queensland and Queensland Estate) Act 1987*, an area was declared a 'designated landscape area' (DLA) if it was deemed necessary or desirable for it to be preserved or to regulate access.

Indigenous Protected Areas (IPA): Areas of land and sea managed by Indigenous groups as protected areas for biodiversity conservation through voluntary agreements with the Australian Government. For further information about IPAs visit <https://www.environment.gov.au/land/indigenous-protected-areas>

National Heritage areas: Places listed on the National Heritage List for their outstanding heritage significance to Australia and are protected under the *Environment Protection and Biodiversity Conservation Act 1999*. For further information about the National Heritage List visit <https://www.environment.gov.au/heritage/about/national>

National Heritage Areas (Indigenous values): Places listed on the National Heritage list (Indigenous values) are

Cultural Heritage Database and Register Search Report

recognised for their outstanding Indigenous cultural heritage significance to Australia and are protected under the *Environment Protection and Biodiversity Conservation Act 1999*. These areas are now included in the cultural heritage register.

Registered Cultural Heritage Study Areas: Comprehensive studies of Aboriginal and or Torres Strait Islander cultural heritage in an area conducted under Part 6 of the Cultural Heritage Acts for the purpose of recording the findings of the study on the register.

Traditional Use of Marine Resources Agreement (TUMRA): Areas subject to agreement between Great Barrier Reef Traditional Owners and the Australian and Queensland governments on the management of traditional use activities on their sea country. For further information about TUMRAs visit <https://www.gbrmpa.gov.au/our-partners/traditional-owners/traditional-use-of-marine-resources-agreements>

World Heritage Areas: Places inscribed on the World Heritage List pursuant to the World Heritage Convention adopted by the United Nations Education, Scientific and Cultural Organisation (UNESCO) and are protected under the *Environment Protection and Biodiversity Conservation Act 1999*. For further information about World Heritage places in Queensland visit <https://environment.qld.gov.au/management/world-heritage-areas>

Disclaimer: *The department is the custodian of spatial data and information provided by various third parties for inclusion in the Aboriginal and Torres Strait Islander cultural heritage online portal. This includes spatial data provided by the National Native Title Tribunal and Aboriginal and Torres Strait Islander parties. The department is not responsible for the accuracy of information provided by third parties or any errors in this search report arising from such information.*

L16-7556E-3449N- 2017



QAP6205- 2005



QAP5892-2001



QAP5097-1993



QAP4772-1988



QAP4000-1982



QAP2272-1971



QAP1369-1963



QAP0158- 1951



Search Results

11 results found.

Carlton Maltings 11 Mort St	Toowoomba, QLD, Australia	(Included place before RNE closed. Record for reference only, no statutory basis) Register of the National Estate (Non-statutory archive)
Church of Christ 133 Margaret St	Toowoomba, QLD, Australia	(Included place before RNE closed. Record for reference only, no statutory basis) Register of the National Estate (Non-statutory archive)
Escarpment and Foot Hills of Great Dividing Range at Toowoomba Warrego Hwy	Toowoomba, QLD, Australia	(Indicative place before RNE closed. Record for reference only, no statutory basis) Register of the National Estate (Non-statutory archive)
Laidley - Corduroy Road (former) Old Toowoomba-Ipswich Rd	Laidley, QLD, Australia	(Indicative place before RNE closed. Record for reference only, no statutory basis) Register of the National Estate (Non-statutory archive)
Queens Park and Botanic Gardens 43-79 Lindsay St	Toowoomba, QLD, Australia	(Indicative place before RNE closed. Record for reference only, no statutory basis) Register of the National Estate (Non-statutory archive)
St Patricks Cathedral 154-156 James St	Toowoomba, QLD, Australia	(Included place before RNE closed. Record for reference only, no statutory basis) Register of the National Estate (Non-statutory archive)
Toowoomba Courthouse 46 Neil St	Toowoomba, QLD, Australia	(Included place before RNE closed. Record for reference only, no statutory basis) Register of the National Estate (Non-statutory archive)
Toowoomba Post Office 136 Margaret St	Toowoomba, QLD, Australia	(Included place before RNE closed. Record for reference only, no statutory basis) Register of the National Estate (Non-statutory archive)

[Toowoomba Post Office](#) 136 Margaret St

Toowoomba, QLD, Australia

([Ineligible place](#))

Commonwealth Heritage List

[Toowoomba Railway Honours Board](#) 73-87 Russell St

Toowoomba, QLD, Australia

([Indicative place before RNE closed. Record for reference only, no statutory basis](#))

Register of the National Estate
(Non-statutory archive)

[White Horse Hotel](#) 456-460 Ruthven St

Toowoomba, QLD, Australia

([Included place before RNE closed. Record for reference only, no statutory basis](#))

Register of the National Estate
(Non-statutory archive)

Report Produced: Mon Mar 16 15:05:40 2026

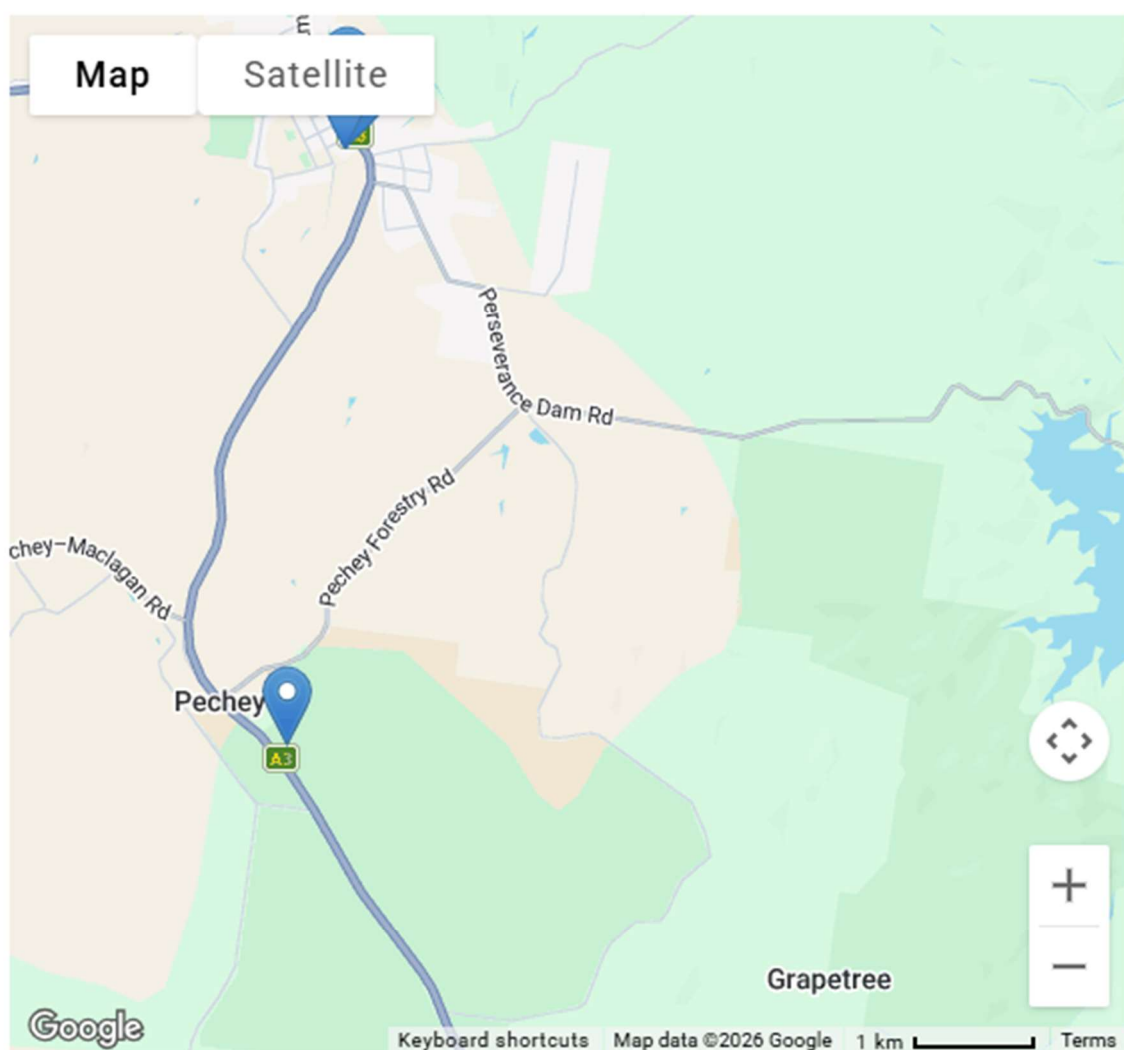
Heritage register map

Displaying **1798** places

☰ List

↓ Download

📍 [Show places near me](#)



Last reviewed 1 July 2022

Last updated 28 February 2023





National Trust of Australia (Queensland) Heritage Register

The table can be filtered via the search box below at right (above the table when it loads) using, for example, a specific word, local government authority (LGA) or suburb. You can also search then sort within the search results using any of the column headings.

Please be aware that place names may have changed and that some addresses were entered in the 1970s and may not be as specific as addresses used today.

AHD = Australian Heritage Database

LGA = local government authority (shire council, regional council or city council)

QHR = Queensland Heritage Register

RNE = Register of the National Estate. This register was closed in 2007. It is searched through the Australian Heritage Database.

LGA	NTAQ FILE NO.	TRUST STATUS	PRESENT NAME	FORMER/OTHER NAMES	ADDRESS	SUBURB/LOCALITY NAME
Toowoomba Regional	TOOW 1/134	Registered	Kauri Pine	Agathis microstachya	Lindsay Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/179	Registered	Bunya Pine	Araucaria bidwillii	Batch Court, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/180	Registered	Smooth-barked Kauri Pines	Agathis robusta (C.Moore ex F.Mueller) F.M	Anzac Avenue, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/181	Registered	Blue Gum	Forest Red Gum, Eucalyptus tereticornis, S	Anzac Avenue, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/2	Registered	Clifford House		120 Russell Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/25	Registered	Court House	Toowoomba Court House	142 Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/40	Registered	Empire Theatre		56 Neil Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/45	Registered	City Hall	Toowoomba City Hall	541 Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/61	Registered	Cleary & Lee Solicitors	Toowoomba Building Society Office; Perm	2 Russell Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/8	Registered	Ascot House		15 Newmarket Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/43	Registered	Carlton Maltings	Malt House; Black Gully Malthouse; Darlin	11 Mort Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/9	Registered	Boyce Gardens		9 Range Street, Toowoomba	Toowoomba
Southern Downs Regional	WAR 2/5	Registered	Glengallan Homestead		Toowoomba Warwick Highway, Warwick	Warwick
Ipswich City	IPS 1/137	Registered	Lowood - Rosewood Blue Nursing Building	Woodlands, St Vincent's Seminary, Ipswich	Brisbane/Toowoomba Highway, Marburg	Marburg
Toowoomba Regional	ROS 2/1	Registered	Goombungee War Memorial		Hartwig Street, Goombungee	Goombungee
Toowoomba Regional	ROS 6/0	Registered	Cooyar War Memorial		McDougall Street, Cooyar	Cooyar
Toowoomba Regional	TOOW 1/5	Registered	Toowoomba Grammar School	Toowoomba Boys Grammar School	24 Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/10	Registered	Fernside		4 Fernside Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/11	Registered	Geeumbi		1 South Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/22	Registered	Glen Alpine		32 East Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/23	Registered	Rodway		2 South Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/42	Registered	White Horse Hotel		456 Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/47	Registered	Toowoomba Railway Station		73 Russell Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/54	Registered	St Patrick's Cathedral		154 James Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/65	Registered	St James' Parish - Taylor Memorial Institut		112 Russell Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/67	Registered	Karingal Chambers		388 Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/79	Registered	Whyembah		80 Campbell Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/84	Registered	Toowoomba Technical College		124 Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/85	Registered	Strand Theatre		160 Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/86	Registered	Piggotts	McDonnell and East; Piggott and Co	387 Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 2/1	Registered	St Matthew's Anglican Church		Beatrice Street, Drayton	Drayton
Toowoomba Regional	CLF 3/0	Registered	Victor Denton Monument			Nobby
Toowoomba Regional	CRO 3/0	Registered	Argyle Homestead		Crows Nest Road, Geham	Geham
Lockyer Valley Regional	GAT 10/0	Registered	Main Range Railway, Murphy's Creek to To		Railway Corridor from the end of Murphy'	Toowoomba
Toowoomba Regional	JON 3/4	Registered	Jondaryan Homestead Group	Jondaryan Homestead outbuildings	Evanslea Road, Jondaryan	Jondaryan
Toowoomba Regional	JON 3/2	Registered	Jondaryan Woolshed		Evanslea Road, Jondaryan	Jondaryan



LGA	NTAQ FILE NO.	TRUST STATUS	PRESENT NAME	FORMER/OTHER NAMES	ADDRESS	SUBURB/LOCALITY NAME
Toowoomba Regional	JON 3/1	Registered	St. Anne's Church		Evanslea Road, Jondaryan	Jondaryan
Toowoomba Regional	JON 5/0	Registered	Westbrook Homestead	Westbrook Hall; Westbrook Station	Couper Road, Jondaryan	Jondaryan
Toowoomba Regional	JON 8/0	Registered	Westbrook War Memorial		114 Toowoomba Road, Westbrook	Westbrook
Lockyer Valley Regional	LDY 3/0	Registered	Laidley Corduroy Road		Toowoomba - Ipswich Road, Laidley	Laidley
Toowoomba Regional	MRN 4/1	Registered	All Saints Church of England Yandilla		Gore Highway, Yandilla	Yandilla
Toowoomba Regional	TOOW 1/3	Registered	Gabbinbar	Gabbinbar Homestead	344-376 Ramsay Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/7	Registered	Harlaxton House		6 Munro Street, Harlaxton	Harlaxton
Toowoomba Regional	TOOW 1/119	Registered	St Luke's Anglican Church	St Luke's Church of England	Cnr Herries Street & Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/6	Registered	Toowoomba Post Office	Toowoomba Post & Telegraph Office	142 Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/58	Registered	Queen's Park & Botanic Gardens	Queen's Park Precinct	Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/16	Registered	Concordia College Administration Centre	Redlands, Concordia Memorial College	154 Stephens Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/128	Registered	Stephens Street Residence		68 Stephens Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 2/2	Registered	Royal Bulls Head Inn	Bull's Head Hotel	47-59 Brisbane Street, Drayton	Drayton
Toowoomba Regional	TOOW 1/87	Registered	Russell Street Urinal	Men's Toilets - Russell Street	Russell Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/28	Registered	Smithfield House	Smithfield Homestead, Smithfield Homestead	8 Panda Street, Harristown	Harristown
Toowoomba Regional	TOOW 1/46	Registered	St Luke's Church Hall	St Luke's School & Parish Hall	152 Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/32	Registered	Toowoomba South Boys School (former)	Toowoomba South Girls & Infants State School	152 James Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/4	Registered	Tyson Manor & Garden	Strathmore, Downlands College	64 - 72 Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/21	Registered	Vacy	Vacy Hall	135 Russell Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/20	Registered	Weetwood		427 Tor Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/49	Registered	Wesley Uniting Church	Wesleyan Methodist Church	54 Neil Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/60	Registered	Gowrie House Toowoomba	Largo	112 Mary Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/64	Registered	Alexandra Building		455 Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/80	Registered	De Brooke		261 Herries Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/48	Registered	Church of Christ	Congregational Church	133 Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/15	Registered	Bishop's House	Kilallah, Dalmally	73 Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	ROS 4/0	Registered	The Palms National Park	NP 486		Yarraman
Toowoomba Regional	ROS 5/0	Registered	Cawdor Area	Meringandan Stone Arrangement		Toowoomba
Toowoomba Regional	TOOW 1/51	Registered	Hartmann's Gardens and Nursery		Mackenzie Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/55	Registered	Pearl Beh Garden		56 Warwick Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/57	Registered	Mothers' Memorial	The Mothers' Memorial	106 Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/59	Registered	Toowoomba Railways Honour Board		73 Russell Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/66	Registered	Toowoomba Auto Electrical Service		95 Russell Street, Toowoomba	Toowoomba
Toowoomba Regional	CAM 3/0	Registered	Ruins of Eton Vale Homestead & Well	Eton Vale Homestead Complex Ruins	New England Highway, Cambooya	Cambooya
Toowoomba Regional	CAM 2/1	Registered	Greenmount War Memorial		Ramsay Street, Greenmount	Greenmount
Toowoomba Regional	CRO 5/0	Registered	Crows Nest Falls National Park	NP 629		Toowoomba

LGA	NTAQ FILE NO.	TRUST STATUS	PRESENT NAME	FORMER/OTHER NAMES	ADDRESS	SUBURB/LOCALITY NAME
Toowoomba Regional	CRO 6/0	Registered	Pioneer Memorial Wall		Cnr Emu Creek Road & Thallon Street, Cro	Crows Nest
Toowoomba Regional	CRO 4/0	Registered	Ravensbourne National Park	NP 492		Toowoomba
Toowoomba Regional	TOOW 1/41	Registered	Culliford Stone Wall		6 Culliford Drive, Middle Ridge	Middle Ridge
Toowoomba Regional	TOOW 1/69	Registered	Russell Street Commercial Centre		Russell Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/119	Registered	Organ at St Luke's Church		Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/133	Registered	Ficus macrophylla; Cinnamomum campho	Moreton Bay Fig; Camphor Laurel; Erbacher	Ramsay Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/136	Registered	Small leaved fig	Ficus rubiginosa Desf. Ex Vent Moraceae	Meredith Crescent, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/137	Registered	Queensland Black Pine	Prumnopitys amara (Blume) de Laubenfes	Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/138	Registered	Narrow leaved bottle tree	Brachychiton rupestris (Mitchell ex Lindl) K	Bright Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/139	Registered	Cook Pines	Araucaria columnaris (JRForst.) Hooker	452 South Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/140	Registered	London Plane Trees	Platanus x acerifolia (Aiton) Willd.	Herries Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/141	Registered	Four Large Conifers	Agathis robusta, Araucaria bidwillii (2); Pin	Lindsay Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/142	Registered	Kauri Pine	Agathis Robusta	Lindsay Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/143	Registered	Norfolk Island Pine Avenue	Araucaria heterophylla Avenue; The Frenes	Hursley Road, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/144	Registered	Macadamia Nut Tree	Macadamia integrifolia	Hursley Road, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/145	Registered	Ombu Tree	Pakkalakka Tree; Phytolacca dioca	Hursley Road, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/146	Registered	Spanish Chestut Tree	Castanea sativa; The Handley Tree	West Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/147	Registered	Red Cedar	Toona Ciliata, Family Meliaceae.	Lindsay Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/148	Registered	Fig Tree Group	Ficus macrophylla (3) and Ficus rubiginosa	339 Ramsay Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/149	Registered	English Oak	Quercus robur; The Baha'I Oak; Family Fag	Burstow Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/150	Registered	Bunya Pine	Aruacaria bidwillii; The Richard St. Barbe E	Lindsay Street, Toowoomba	Toowoomba
Townsville Regional	TOOW 1/151	Registered	Californian Redwood Tree	Sequoia sempervirens, Family Cupressace	Lindsay Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/152	Registered	Gallipoli Pines	Pinus brutia; The 25th Royal Queensland P	Burstow Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/153	Registered	Swamp Cypress	Taxodium distichum; The Toowoomba Gre	Burstow Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/154	Registered	Umbrella Pine	Pinus pinea; Stone Pine; Family Pinaceae	Lindsay Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/155	Registered	Parana Pines	Araucaria angustifolia (Bertol.) Kuntze; The	Kuhl's Road, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/156	Registered	Crows Ash	Flindersia australis RBr.; The Friends of Pe	Kuhl's Road, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/157	Registered	The Stan Kuhl Trees	Red bloodwood (Corymbia gummifera (Ga	Kuhls Road, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/158	Registered	Wollemi Pine	Wollemia nobilis WGJones, KGHill & JMalle	Kuhls Road, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/159	Registered	The Tourist Road Avenue	Smooth-barked Kauri Pines [Agathis robu	Tourist Road, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/160	Registered	Lemon Scented Gums	Corymbia citriodora (Hooker) KDHill & LAS	Hume Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/161	Registered	Chilean Wine Palms	Jubaea chilensis (Molina) Baill.; Chilean Wi	Hill Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/163	Registered	Bristle-toothed oak	Quercus acutissima Carruthers, plant fam	Laurel Lane, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/164	Registered	The Coronation Avenue	Jacaranda, Jacaranda mimosifolia D Don, g	Ruthven Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/165	Registered	English Oak	Quercus robur L., plant family Fagaceae	Hill Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/166	Registered	Hill's Small-fruited Fig	Ficus microcarpa L.f. var. hillii, plant fami	Bell Street, Toowoomba	Toowoomba

LGA	NTAQ FILE NO.	TRUST STATUS	PRESENT NAME	FORMER/OTHER NAMES	ADDRESS	SUBURB/LOCALITY NAME
Toowoomba Regional	TOOW 1/167	Registered	The Harding Avenue	Camphor laurel, Cinnamomum camphora	Margaret Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/168	Registered	Tan Oak	Lithocarpus sp.	Hill Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/169	Registered	Laurel Bank ring-cup oak	Quercus morii Hayata, plant family Fagaceae	Hill Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/170	Registered	Water Oak	Quercus nigra L., plant family Fagaceae	Holberton Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/171	Registered	Jellow Jacaranda Tree	Schizolobium parahyba (Vell.) SFBlake, plant family Bignoniaceae	Hill Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/172	Registered	Silk Cotton Tree	Ceiba speciosa A St.-Hil., plant family Bombacaceae	Range Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/173	Registered	Giant Stinging Tree	Dendrocnide excelsa (Wedd.) Chew, plant family Dilleniaceae	Range Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/175	Registered	Southern Magnolia	Magnolia grandiflora	6 Range Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/176	Registered	Stangler Fig	Ficus superba	6 Range Street, Toowoomba	Toowoomba
Toowoomba Regional	TOOW 1/178	Registered	Camphor Laurel	Cinnamomum camphora (L.) J Presl, Family Lauraceae	Dudley Street, Toowoomba	Toowoomba

Email Address

Subscribe

Follow Us On



What We Do

- About Us
- Environmental Conservation
- Heritage Conservation
- Cultural Heritage
- Collections
- Australian Heritage Festival
- Heritage Awards

Heritage Sites

- Currumbin Wildlife Sanctuary
- Currumbin Wildlife Hospital
- Wolston Farmhouse
- Royal Bull's Head Inn
- Harris House
- Brennan and Geraghty's Store Museum
- Zara Clark Museum
- Stock Exchange Arcade
- Townsville Heritage Centre
- Hou Wang Chinese Temple and Museum
- Cooktown Museum
- Australian Heritage Sites
- International Heritage Sites

Travel

- Travel Tours
- Currumbin To Cooktown Driving Trail
- Great Walks

Get Involved

- Membership
- Donate
- Volunteer
- Corporate Partnership
- Sponsorship
- Employment

What's On

Contact Us

**National Trust of Australia
(Queensland) Head Office**

Address:
28 Tomewin Street
Currumbin Queensland 4223 Australia

Telephone number:
(07) 5534 0873

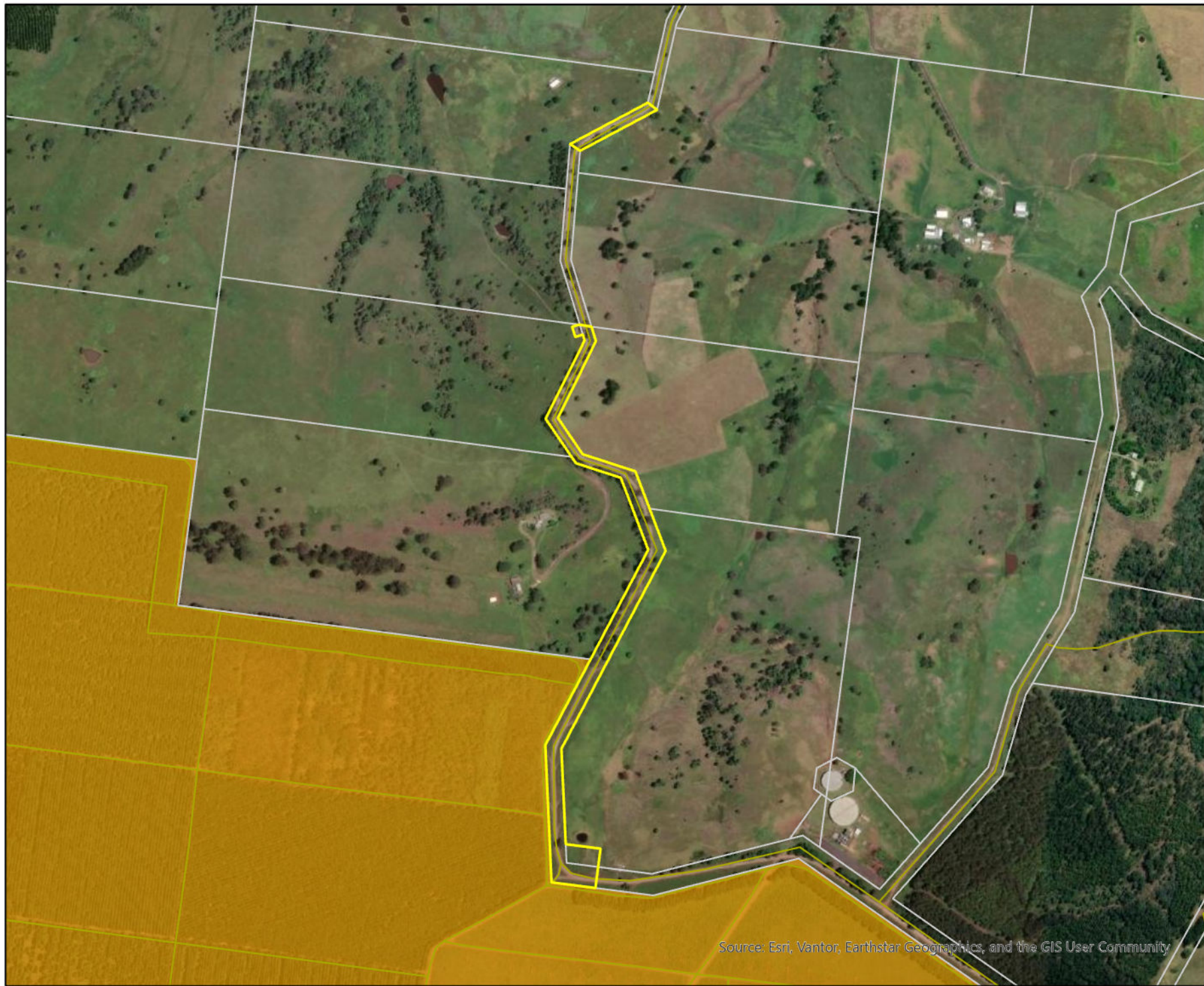
Email:
Info@nationaltrustqld.org
heritage@nationaltrustqld.org

Membership Enquiries

Telephone number:
(07) 5534 0873

Email:
membership@nationaltrustqld.org





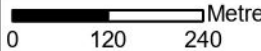
Attachment 8: TRC Heritage Overlay Map

Project: Preliminary
Environmental
Assessment Report,
Grapetree Road Reservoir

Client: Kehoe Myers
Consulting Engineers

Project No.: J002708

Compiled by: Skye Melton Date: 16/03/2026
Approved by: Will Gibson Date: 16/03/2026



Legend

- Cadastre
- Roads
- Extent of Works Area
- TRC Heritage Overlay

The content of this document includes third party data. Range Environmental Consultants does not guarantee the accuracy of such data.

Source: Cadastral data sourced from DNRME (2025). Aerial imagery sourced from NearMap (2025).



Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community



Attachment 9: Waterway Barrier Works Mapping

Project: Preliminary
Environmental
Assessment Report,
Grapetree Road Reservoir

Client: Kehoe Myers
Consulting Engineers

Project No.: J002708

Compiled by: Skye Melton Date: 16/03/2026
Approved by: Will Gibson Date: 16/03/2026

0 120 240 Metres

Legend

- Cadastre
- Roads
- Extent of Works Area
- Low
- Moderate
- High
- Major
- Major (Tidal)

WWBW

- Low
- Moderate
- High
- Major
- Major (Tidal)

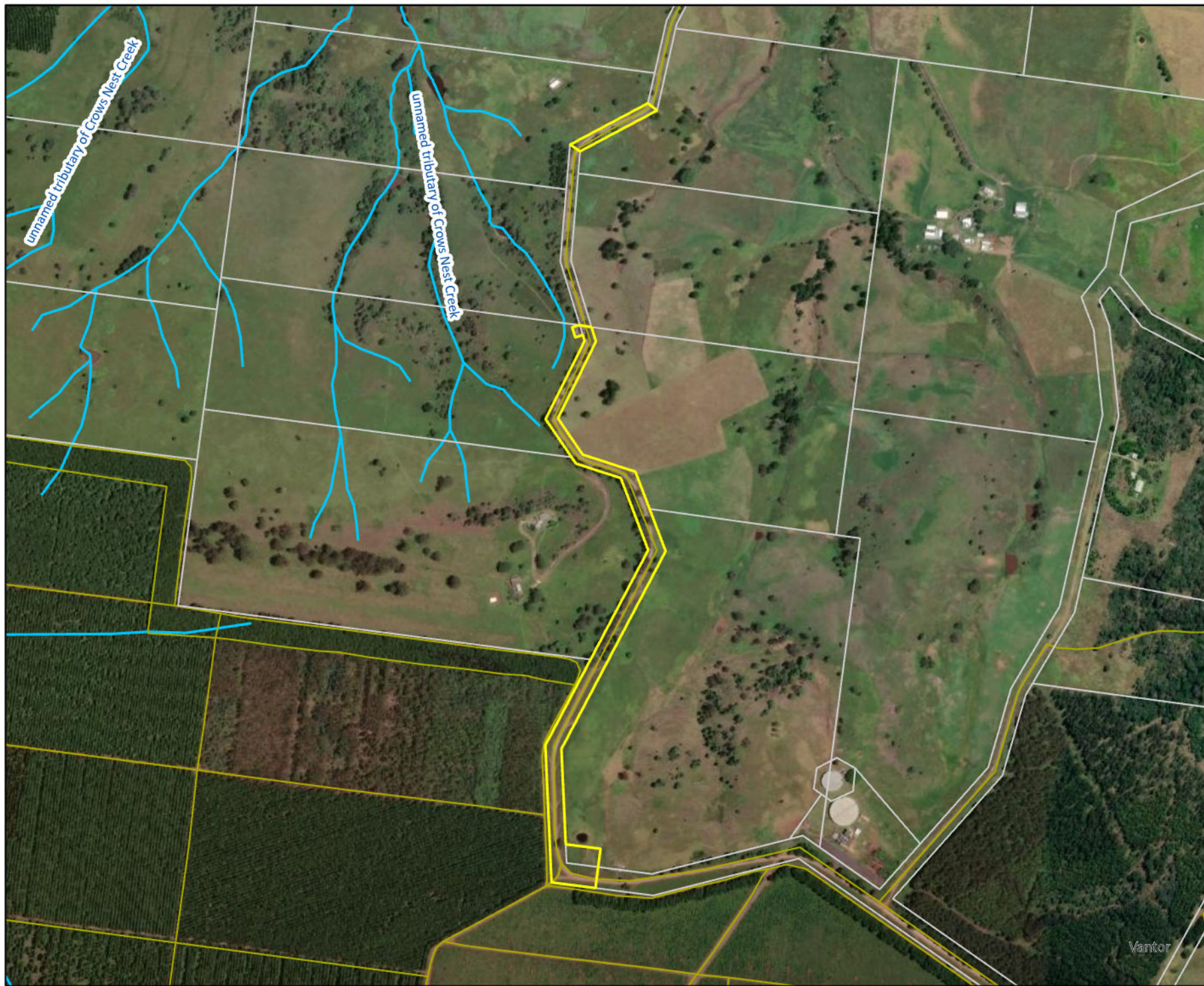
The content of this document includes third party data. Range Environmental Consultants does not guarantee the accuracy of such data.

Source: Cadastral data sourced from DNRME (2025). Aerial imagery sourced from NearMap (2025).



range
environmental
consultants

Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community



Attachment 10: Watercourse Map

Project: Preliminary
Environmental
Assessment Report,
Grapetree Road Reservoir

Client: Kehoe Myers
Consulting Engineers

Project No.: J002708

Compiled by: Skye Melton Date: 16/03/2026
Approved by: Will Gibson Date: 16/03/2026

0 120 240 Metres

Legend

- Cadastre
- Roads
- Extent of Works Area
- Water Act 2000 Watercourse
- Water Act 2000 Drainage feature

The content of this document includes third party data. Range Environmental Consultants does not guarantee the accuracy of such data.

Source: Cadastral data sourced from DNRME (2025). Aerial imagery sourced from NearMap (2025).



range
environmental
consultants



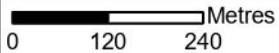
Attachment 11: Wetland Map

Project: Preliminary
Environmental
Assessment Report,
Grapetree Road Reservoir

Client: Kehoe Myers
Consulting Engineers

Project No.: J002708

Compiled by: Skye Melton Date: 16/03/2026
Approved by: Will Gibson Date: 16/03/2026



- Legend**
- Cadastre
 - Roads
 - Extent of Works Area
 - MSES - High ecological value waters (wetland)
 - MSES - High ecological significance wetlands

The content of this document includes third party data. Range Environmental Consultants does not guarantee the accuracy of such data.

Source: Cadastral data sourced from DNRME (2025). Aerial imagery sourced from NearMap (2025).



Job ID 52704970

Lot 10 Thompson Road



[Review responses online](#) ↗



Received 3 of 3 responses
All responses received

Lot 10 Thompson Road, Grapetree QLD 4352

Job dates
25/03/2026 → 25/03/2026

These plans expire on
20 Apr 2026

Lodged by
Skye Melton

Authority	Status	Page
BYDA Confirmation		2
Ergon QLD	Received	4
Telstra QLD Regional	Received	45
Toowoomba Regional Council	Received	52

Contact Details

Contact	Contact number	Company	Enquirer ID
Skye Melton	0467 721 404	Range Environmental Consultants	3401075
Email		Address	
skye.melton@rangeenviro.com.au		189 Hume Street Toowoomba City QLD 4350	

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	Start date	End date	On behalf of	Job purpose	Locations	Onsite activities
24/03/2026	25/03/2026	25/03/2026	Toowoomba Regional Council	Design	Road Reserve Nature Strip, Road, Footpath	Planning & Design



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	Address	Notes/description
Lot 10 Thompson Road	Lot 10 Thompson Road Grapetree QLD 4352	-

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
270218032	Ergon QLD	13 10 46	NOTIFIED
270218033	Telstra QLD Regional	1800 653 935	NOTIFIED
270218031	Toowoomba Regional Council	13 18 72	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.



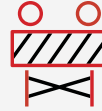
Prepare

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

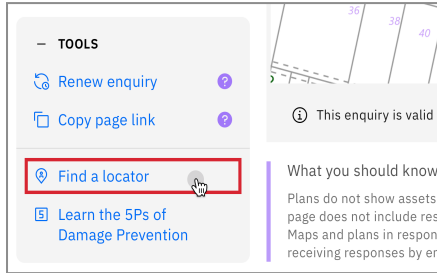
Protecting and supporting the exposed infrastructure is the responsibility of the excavator. Always erect safety barriers in areas of risk and enforce exclusion zones.



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 isseekplant'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 isseekplant to find trusted contractors near you today, visit:
blog.isseekplant.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

Referral

270218032

Member Phone

13 10 46

Responses from this member

Response received Tue 24 Mar 2026 9.59am

File name	Page
Response Body	5
270218032 - Ergon Energy Plan.pdf	8
Ergon Energy BYDA Terms and Conditions.pdf	9
Working Near Overhead and Underground Electric Lines.pdf	14

No Assets Recorded

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.

Our search has revealed within the nominated search area, ERGON ENERGY NETWORK does not have any Assets recorded.

A detailed plan has not been provided.

You: **BYDA Enquiry No:**

Skye Melton 270218032

Company: **Date of Response:**

Range Environmental Consultants 24 Mar 2026

Search Location: **Period of Plan Validity:**

Lot 10 Thompson Road
Grapetree,
QLD 4352 4 Weeks

External Comments (if any):

**WARNING: When working in the vicinity of ERGON ENERGY NETWORK 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 ERGON ENERGY NETWORK on **13 16 70**.
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 ERGON ENERGY NETWORK are only an indication of the presence of 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 ERGON ENERGY NETWORK do not encompass ERGON ENERGY NETWORK overhead Assets.
6. ERGON ENERGY NETWORK, 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 ERGON ENERGY NETWORK 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 Assets caused by works pursuant to or in any way connected with this BYDA Request.
8. In addition to Assets marked on attached plan, there could be underground earth conductors, underground substation 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 ERGON ENERGY NETWORK 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 via the [Certified Locator website](#) with LV Cable (up to 1kV), HV Cable (1kV-<33kV) & HV cable (33kV and over) displayed.
10. The ERGON ENERGY NETWORK Before You Dig Australia (BYDA) information map(s) provide the vicinity of Assets and will not be adequate for conveyancing purposes. A Request for Search (Property Search) can be arranged through ERGON ENERGY NETWORK.
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 ERGON ENERGY NETWORK 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 ERGON ENERGY NETWORK BDYA team on the details listed below.
13. ERGON ENERGY NETWORK 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 risks in the workplace Code of Practice 2021 \(worksafe.qld.gov.au\)](#)
 - [Excavation work Code of Practice 2021 \(worksafe.qld.gov.au\)](#)

General enquiries (7:00am - 5:30pm Mon to Fri) **13 74 66**
Life threatening emergencies only triple zero (000) or **13 16 70**

E: byda@energyq.com.au

ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Disclaimer: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither ERGON ENERGY NETWORK 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: 270218032
Date: 24/03/2026

Scale: 1:2016
Tile No: **OVERVIEW**

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 Ergon Energy Network 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.



Responsibilities – (When Working in the Vicinity of Ergon Energy Network Asset)

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

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 is 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 Ergon Energy Network to ensure compliance with the [Electrical Safety Act 2002](#)

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](#)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au

ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



The following matters must be considered when working near Ergon Energy Network Asset:

1. 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](#)).
2. 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 Ergon Energy Network Assets.
3. It is the constructor's responsibility to:
 - a) Anticipate and request plans of Ergon Energy Network Assets for a location at a reasonable time before construction begins.
 - b) Visually locate Ergon Energy Network Assets by hand or vacuum excavation where construction activities may damage or interfere with Ergon Energy Network Assets.
 - c) To notify Ergon Energy Network if the information provided is found to be not accurate or Assets are found on site that are not recorded on the Ergon Energy Network 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

4. 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 Ergon Energy Network 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 Ergon Energy Network Assets under the roadways. In no case should the constructor rely on statements of third parties in relation to the position of Ergon Energy Network Assets. It is the applicant's responsibility to accurately locate all services as part of the design and/or prior to excavation.
- Ergon Energy Network does not provide information on private underground installations, including consumers' mains that may run from Ergon Energy Network mains onto private property. Assets located on private property are the responsibility of the owner for identification and location.
- Ergon Energy Network 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:
 - [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 manage and control asbestos Code of Practice 2021 \(WHSQ\)](#)
- Plans provided by Ergon Energy Network are not guaranteed to show the presence of above ground Assets.
- In addition to underground cables marked on attached plan, there could be underground earth conductors, underground substation 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 ERGON ENERGY NETWORK 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 [s 304] 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 and 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>
- Ergon Energy Network plans are designed to be printed in colour and as an A3 Landscape orientation

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](#)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Conditions – (When Working in the Vicinity of Ergon Energy Network Asset)

Records:

The first step before any excavation commences is to obtain records of Ergon Energy Network Assets in the vicinity of the work. For new work, records should be obtained during the planning and design stage. The records provided by Ergon Energy Network 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 Ergon Energy Network 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.

Ergon Energy Network retains copyright of all plans and details provided in connection with Your request.

Ergon Energy Network 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 Ergon Energy Network'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 Ergon Energy Network on the General Enquiries number listed below for further advice.

Ergon Energy Network, 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 Ergon Energy Network against any claim or demand for any such loss or damage.

The constructor is responsible for all Asset damages when works commence prior to obtaining Ergon Energy Network 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 Ergon Energy Network.

Ergon Energy Network reserves all rights to recover compensation for loss or damage caused by interference or damage, including consequential loss and damages to its cable network, or other property.

NOTE: Where Your proposed work location contains ERGON ENERGY NETWORK Underground cables please access the [ERGON ENERGY NETWORK 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 Asset 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 Ergon Energy Network 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 Ergon Energy Network on the General Enquires number listed below for further advice.

If the constructor is unable to locate Ergon Energy Network underground Assets within 5 metres of nominal plan locations, they must contact the Ergon Energy Network 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 cables as if alive, post a person to keep all others clear of the excavation until Ergon Energy Network 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 Ergon Energy Network officer.

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

To re-submit or change the nominated search area please visit BYDA.com.au

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au

ABN: 40 078 849 055



Asset Installation Methods:

Ergon Energy Network 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 2.5m 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 Ergon Energy Network Assets, then hand or vacuum excavation (potholing) at least every 4m is required to establish the location of all Assets, hence confirming nominal locations before work can commence. *Generally, there is no restriction to excavations parallel to Ergon Energy Network Assets to a depth not exceeding that of the Asset. **Note: Asset 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 Ergon Energy Network 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 Ergon Energy Network/council to obtain specific separation distances							

Table 2. Minimum Separation Requirements for Underground Services Crossing Ergon Energy Network 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 cables will be exposed or unsupported, then Ergon Energy Network shall be contacted to determine whether the cables 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 Ergon Energy Network authorised representative. Protective cover strips when removed must be replaced under Ergon Energy Network supervision. Under no circumstances shall they be omitted to allow separation between Ergon Energy Network Assets and other services.

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Heavy Machinery Operation Over Assets:

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

Directional Boring Near Cables:

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 Assets before using boring machinery. Where it is required to bore across the line of Assets, the actual location of the Assets 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 Assets 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 Ergon Energy Network's Planning Engineer for use of explosives in the vicinity of Ergon Energy Network Assets.

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 cables as if alive, post a person to keep all others clear of the excavation until Ergon Energy Network 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 Ergon Energy Network officer.

Solutions and Assistance:

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

If Ergon Energy Network relocation or protection works are part of the agreed solution, then payment to Ergon Energy Network for the cost of this work shall be the responsibility of the PCBU, principal developer or constructor. Ergon Energy Network 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 Ergon Energy Network with a written Safe Work Method Statement for all works in the vicinity of or involving Ergon Energy Network Asset. 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](https://www.safeworkaustralia.gov.au/interactive-swms-guidance-tool-overview) ([safeworkaustralia.gov.au](https://www.safeworkaustralia.gov.au))

Vacuum Excavations (Hydro Vac)

When operating hydro vac equipment to excavate in vicinity of 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 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 ERGON ENERGY NETWORK when working close to Ergon Asset's. For Safety Advice please contact SafetyAdvice@energyq.com.au

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

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

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055

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





Part of Energy Queensland

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

CONTENTS

1. Purpose and Scope.....	3
2. Definitions, Abbreviations and Acronyms	3
3. References	4
4. About This Guide	5
4.1. Who does the Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and Electricity Entity Requirements apply to?	5
4.2. Are you working or planning to work near overhead or underground electric lines?	6
4.3. Obtaining Safety Advice	8
4.4. Authorised Person and how to become one?	9
4.5. Contacting Electricity Entity for Safety Advice or Authorised Person Enquiries	10
5. Overhead Electric Lines	10
5.1. Isolation of supply to customer installation to eliminate exclusion zone around LV service line	13
5.2. Operating Plant	13
5.3. Scaffolding Requirements	14
5.4. High Load transport under Overhead Electric Lines	16
5.5. Additional Details and Fact Sheets on Electricity Entity Requirements	17
6. Underground Electrical Assets	17
6.1. Responsibilities When Working in the Vicinity of Electricity Entity Underground Electrical Assets	17
6.2. Conditions of Supply of Information.....	18
6.3. When Working in the Vicinity of Electricity Entity Underground Electrical Assets, You Must Observe the Following Conditions	19
6.4. Additional Details and Fact Sheets on Electricity Entity Requirements	21
7. Excavation	22
7.1. Excavating near Poles and Stay Wires	22
7.2. Excavating Near Underground Electrical Assets	24
7.3. Blasting.....	25
8. Reporting Damage Caused to Overhead or Underground Electric Lines	25
9. Infrastructure near Electric Lines	26
9.1. Easements and Wayleaves.....	26
9.2. Contact Electricity Entity when planning construction work near electric lines	27
9.3. What clearances must be maintained once construction work is completed?	28
9.4. What about Electric and Magnetic Fields?	31

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> • General Enquiries - ph 13 12 53 • Loss of Supply - ph 13 62 62 • Emergencies - ph 13 19 62 <u>Ergon Energy:</u> • 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	A safety observer or “spotter”, for the operation of operating plant, means a person who: (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. 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.
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.

To the extent permitted by law, Energex and Ergon Energy will not be responsible for any loss, damage or costs incurred as a result of any errors, omissions or misrepresentations in relation to the material in this document or for any possible actions ensuing from information contained in the document.

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

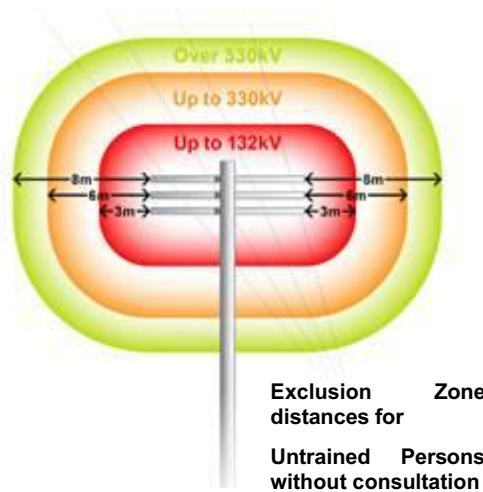
An exclusion zone is a safety envelope around an overhead electric line. No part of a worker, operating plant or vehicle should enter an exclusion zone while the overhead electric line is energised (live).

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	Isolation of overhead or underground service by removal of the service fuse(s). (Preferred option to isolate supply and eliminate the exclusion zone).	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.	Cost to customer.
Insulation integrity verification	3. Verification of insulation integrity to reduce exclusion zone to no exclusion zone prescribed e.g. no contact permitted	Verification of insulation integrity to classify as insulated service - Insulation integrity can only be verified at the time of inspection - visual inspection is required before confirmation in all cases. When service insulation integrity verified - no exclusion zone prescribed e.g. no contact permitted. (Can only be performed by the Entity)	Cost to customer.
Service replacement	4. Open wire service, service fuse(s) at house/building	Replacement of service with new XLPE service cable and service fuse(s) installed at origin (pole end) of service to allow isolation of service. Insulation integrity can be verified for new XLPE services at the time of installation - visual inspection is required before confirmation.	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
		Service installations where: a. the consumer's mains cannot be insulated and an exclusion zone must be maintained, and b. the service cannot be isolated at the service fuse. 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.	Nil cost to customer for first disconnection and reconnection. Cost to customer for subsequent requests.
	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.	Cost to customer for service replacement. Customer responsible for necessary installation, Mains Connection Box and service support bracket upgrade and associated costs if required.
Tiger Tails	Installation of Tiger Tails (for visual indication only - not for providing electrical insulation of LV mains)	Customer requested coverage of LV mains for visual indication only (not permitted on HV mains). The Entity may also fit tiger tails to LV service line for visual indication only.	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.

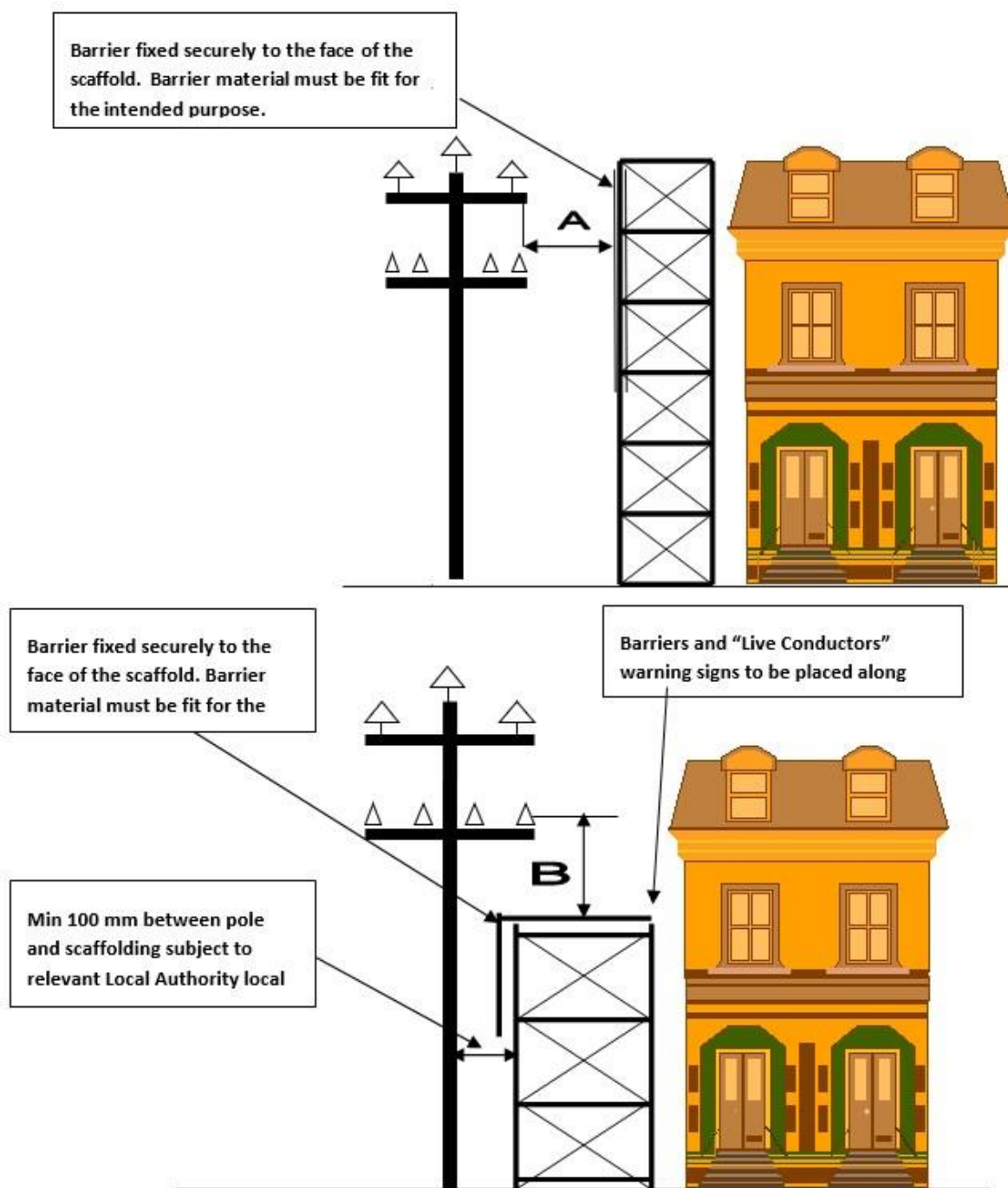
Where an insulated low voltage service line passes through the scaffolding, it should either be de-energised for duration of work or be fully enclosed by non-conductive material (e.g. form ply).

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	500	*1000	500	1000	500
HV	250 (Energex)	300					
*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.

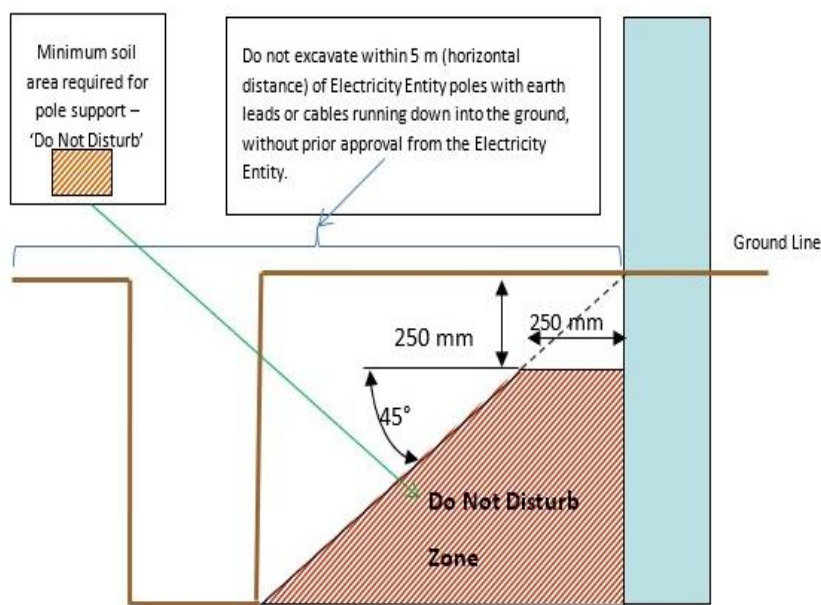


Figure 1 - Do Not Disturb Zone requirements when excavating near poles

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 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.

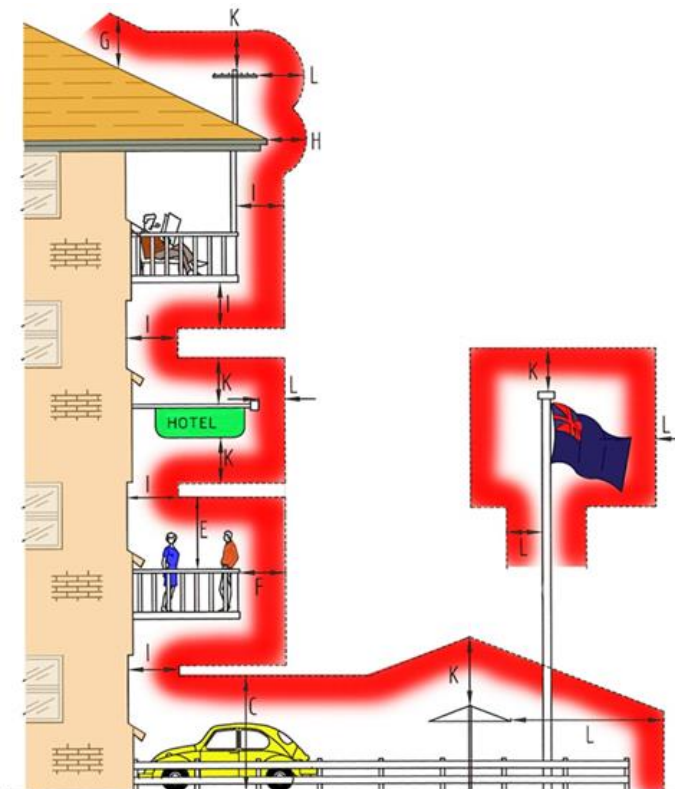
NOTE: Do not assume that your local council approval is sufficient approval for you to proceed with your work. The local council may not check whether or not your proposed construction work will comply with the Electricity Entity's statutory clearance requirements.

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.

<i>What is PERMITTED around Electricity Entity overhead or underground electric lines</i>	<i>What is NOT PERMITTED around Electricity Entity overhead or underground electric lines</i>
✓ 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. ✓ Clothes hoists and barbecues should be located clear of the vehicle access way. Note: Maximum Height 2.5 m. ✓ 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. ✓ Excavating, filling and altering of nearby land may be acceptable but full details need to be provided to the Electricity Entity for assessment. ✓ 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. ✓ 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.	✗ Build houses, sheds, garages or other large structures. Building of roofed/unroofed verandas, swimming pools and pergolas are generally not acceptable. ✗ Flying kites or model aircraft within the easement. ✗ Driving fence posts or stakes into ground within easements where there is underground cabling. ✗ Storing liquids such as petrol, diesel fuel, or any flammable or combustible material that will burn. ✗ Installing lighting poles. ✗ Stockpiling soil or garbage within the easement. ✗ Planting trees in large quantities that could create a fire hazard or that grow in excess of the approved maximum height of 3 m. ✗ Storing or using explosives. ✗ Residing in or occupying any caravan or mobile home within an easement. ✗ 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.

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

270218033

Member Phone

1800 653 935

Responses from this member

Response received Tue 24 Mar 2026 10.46am

File name	Page
Response Body	46
270218033.pdf	47
AccreditedPlantLocators 2025-01-08a.pdf	48
Telstra Duty of Care v32.0c.pdf	49
Telstra Map Legend 4.0b.pdf	51

Attention: Skye Melton

Site Location: Lot 10 Thompson Road, Grapetree, QLD 4352

Your Job Reference: Lot 10 Thompson Road

Please do not reply to this email, this is an automated message -

Thank you for requesting Telstra information via Before You Dig Australia (BYDA).

This response contains Telstra information relating to your recent BYDA request.

Please refer to all enclosed attachments for more information.

Information for opening Telstra Asset Plans as well as some other useful contact information is noted in the attached documents.

Report Damage to Telstra Equipment: [Report damages to Telstra equipment - Telstra](#)

Please note:

When working in the vicinity of telecommunications plant you have a 'Duty of Care' that must be observed.

Ensure you read all documents (attached) - they contain important information.

Please also refer to the **Before you Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation**

<https://www.byda.com.au/before-you-dig/best-practice-guides/>, The essential steps that must be undertaken prior to commencing construction activities.

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 them. 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 assets prior to commencing work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works.

See the **Before You Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation**

<https://www.byda.com.au/before-you-dig/best-practice-guides/>.

Please note that:

- it is a criminal offence under the *Criminal Code Act* 1995 (Cth) to tamper or interfere with telecommunications infrastructure.
- Telstra will take action to recover compensation for damage caused to property and assets, and for interference with the operation of Telstra's networks and customers' services.

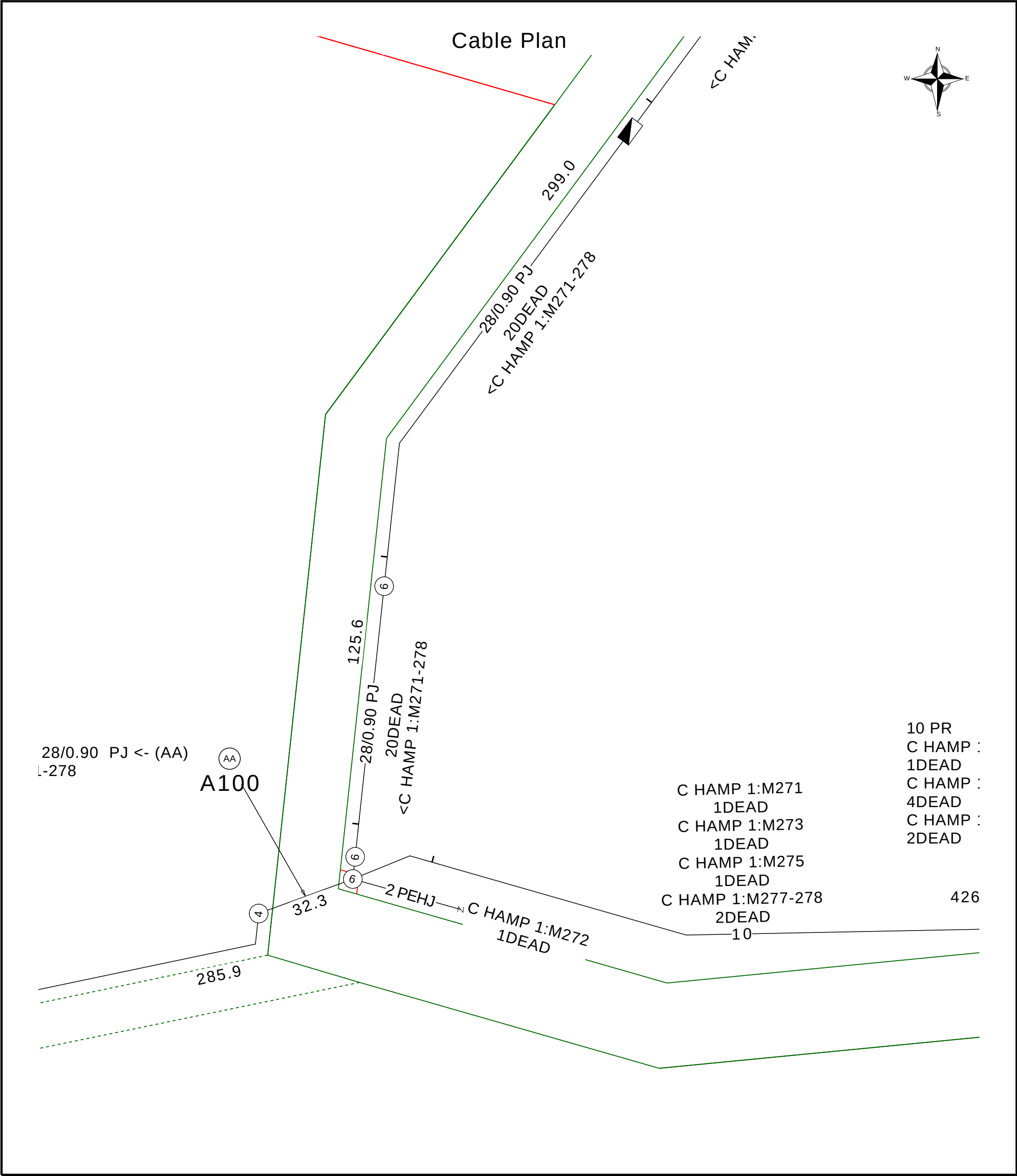
Telstra's plans contain Telstra's confidential information and are provided on the basis that they are used solely for identifying the location or vicinity of Telstra's infrastructure to avoid damage to this infrastructure occurring as part of any digging or other excavation activity. You must not use Telstra's plans for any other purpose or in a way that will cause Telstra loss or damage and you must comply with any other terms of access to the data that have been provided to you by Telstra (including Conditions of Use or Access).

(See attached file: Telstra Duty of Care v32.0c.pdf)

(See attached file: Telstra Map Legend 4.0b.pdf)

(See attached file: AccreditedPlantLocators 2025-01-08a.pdf)

(See attached file: 270218033.pdf)



	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: 270218033
TELSTRA LIMITED A.C.N. 086 174 781	Please read Duty of Care prior to any excavating	
Generated On 24/03/2026 11:26:25		

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.

Before you Dig Australia – BEST PRACTISE GUIDES

The five Ps of safe excavation

<https://www.byda.com.au/before-you-dig/best-practice-guides/>

OPENING ELECTRONIC MAP ATTACHMENTS –

Telstra Cable Plans are generated automatically in either PDF or DWF file types.
Dependent on the site address and the size of area selected.
You may need to download and install free viewing software from the internet e.g.



DWF Map Files (all sizes over A3)
Autodesk Viewer (Internet Browser) <https://viewer.autodesk.com/> or
Autodesk Design Review <http://usa.autodesk.com/design-review/> for
DWF files. (Windows PC)



PDF Map Files (max size A3)
Adobe Acrobat Reader <http://get.adobe.com/reader/>



Telstra BYDA map related enquiries email Telstra.Plans@team.telstra.com
1800 653 935 (AEST Business Hours only)



REPORT ANY DAMAGE TO THE TELSTRA NETWORK IMMEDIATELY

Report online - <https://www.telstra.com.au/forms/report-damage-to-telstra-equipment>

Ph: 13 22 03

If you receive a message asking for a phone or account number say:
“I don’t have one” then say “Report Damage” then press 1 to speak to an operator.



Telstra New Connections / Disconnections
13 22 00



Telstra asset relocation enquiries: 1800 810 443 (AEST business hours only).
NetworkIntegrity@team.telstra.com
<https://www.telstra.com.au/consumer-advice/digging-construction>



Telstra Aerial Assets Group (overhead network)
1800 047 909



CERTLOC Certified Locating Organisation (CLO)
certloc.com.au/locators/

Only Telstra authorised personnel and CERTLOC Locators can access Telstra’s Pit and Pipe Network.

Before You Dig Australia

Think before you dig

This document has been sent to you because you requested plans of the Telstra network through Before You Dig Australia (BYDA).

If you are working or excavating near telecommunications cables, or there is a chance that cables are located near your site, you are responsible to avoid causing damage to the Telstra network.

Please read this document carefully. Taking your time now and following the BYDA's Best Practices and 5 Ps of Safe Excavation <https://www.byda.com.au/before-you-dig/best-practice-guides/>

can help you avoid damaging our network, interrupting services, and potentially incurring civil and criminal penalties.

Our network is complex and working near it requires expert knowledge. Do not attempt these activities if you are not qualified to do so.

Disclaimer and legal details



*Telstra advises that the accuracy of the information provided by Telstra conforms to Quality Level D as defined in AS5488-2013.

It is a criminal offence under the Criminal Code Act 1995 (Cth) to tamper or interfere with telecommunications infrastructure.

Telstra will also take action to recover costs and damages from persons who damage assets or interfere with the operation of Telstra's networks.

By receiving this information including the indicative plans that are provided as part of this information package you confirm that you understand and accept the risks of working near Telstra's network and the importance of taking all the necessary steps to confirm the presence, alignments and various depths of Telstra's network. This in addition to, and not in replacement of, any duties and obligations you have under applicable law.

When working in the vicinity of a telecommunications plant you have a "Duty of Care" that must be observed. Please read and understand all the information and disclaimers provided below.

The Telstra network is complex and requires expert knowledge to interpret information, to identify and locate components, to pothole underground assets for validation and to safely work around assets without causing damage. If you are not an expert and/or qualified in these areas, then you must not attempt these activities. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers. Construction activities and/or any activities that potentially may impact on Telstra's assets must not commence without first undertaking these steps. Construction activities can include anything that involves breaking ground, potentially affecting Telstra assets.

If you are designing a project, it is recommended that you also undertake these steps to validate underground assets prior to committing to your design.

This Notice has been provided as a guide only and may not provide you with all the information that is required for you to determine what assets are on or near your site of interest. You will also need to collate and understand all information received from other Utilities and understand that some Utilities are not a part of the BYDA program and make your own enquiries as appropriate. It is the responsibility of the entities undertaking the works to protect Telstra's network during excavation / construction works.

Telstra owns and retains the copyright in all plans and details provided in conjunction with the applicant's request. The applicant is authorised to use the plans and details only for the purpose indicated in the applicant's request. The applicant must not use the plans or details for any other purpose.

Telstra plans or other details are provided only for the use of the applicant, its servants, agents, or CERTLOC Certified Locating Organisation (CLO). The applicant must not give the plans or details to any parties other than these and must not generate profit from commercialising the plans or details.

Telstra, 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 Telstra against any claim or demand for any such loss or damage.

Please ensure Telstra plans and information provided always remains on-site throughout the inspection, location, and construction phase of any works.

Telstra plans are valid for 60 days after issue and must be replaced if required after the 60 days.

Data Extraction Fees

In some instances, a data extraction fee may be applicable for the supply of Telstra information. Typically, a data extraction fee may apply to large projects, planning and design requests or requests to be supplied in non-standard formats. For further details contact Telstra Location Intelligence Team.

Telstra does not accept any liability or responsibility for the performance of or advice given by a CERTLOC Certified Locating Organisation (CLO). Certification is an initiative taken by Telstra towards the establishment and maintenance of competency standards. However, performance and the advice given will always depend on the nature of the individual engagement.

Neither the Certified Locating Organisation nor any of its employees are an employee or agent for Telstra. Telstra is not liable for any damage or loss caused by the Certified Locating Organisation or its employees.

Once all work is completed, the excavation should be reinstated with the same type of excavated material unless specified by Telstra.

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.

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

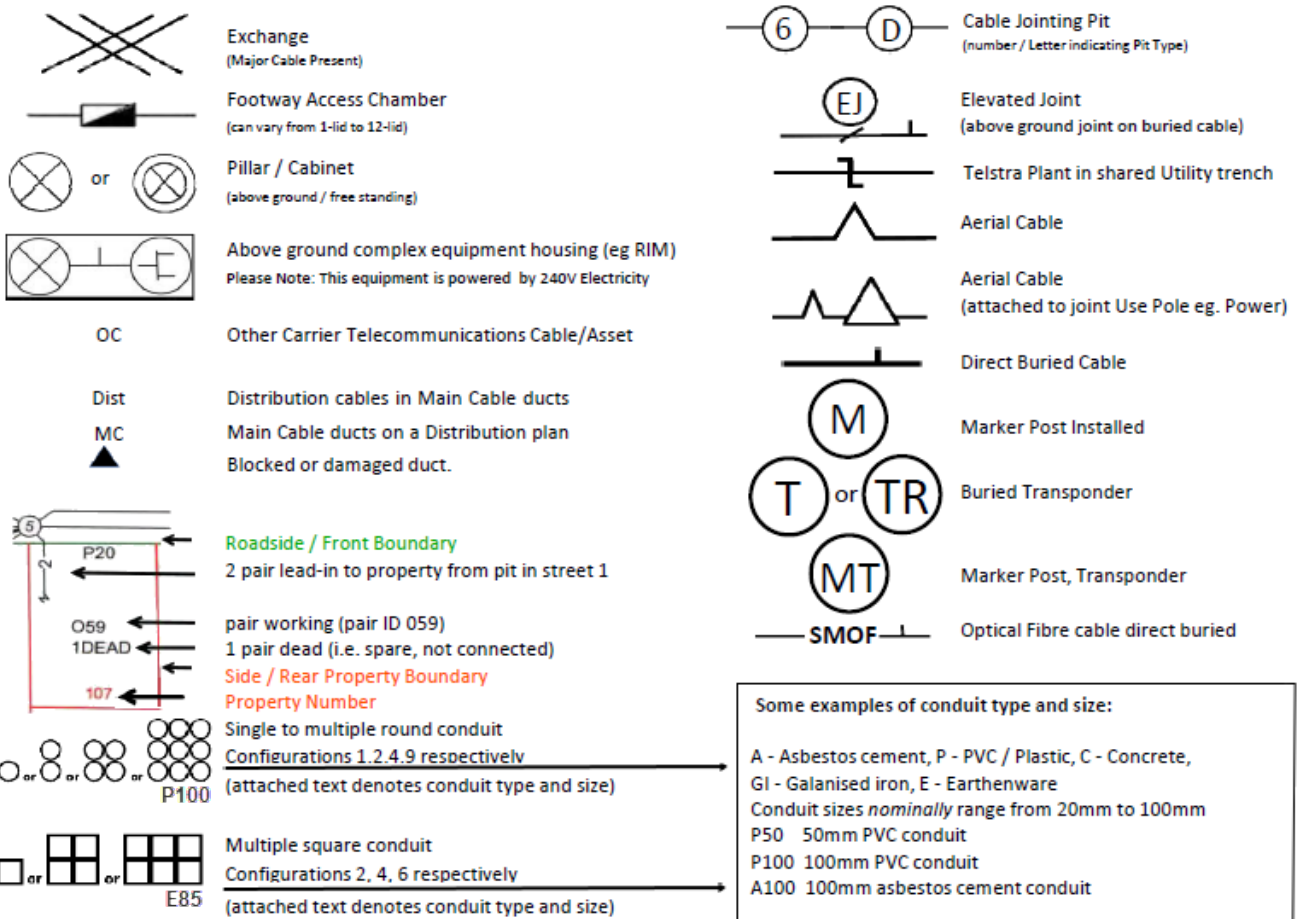
Workers and equipment must maintain safety exclusion zones around power lines

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. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans. **FURTHER ON SITE INVESTIGATION IS REQUIRED TO VALIDATE THE EXACT LOCATION OF TELSTRA PLANT PRIOR TO COMMENCING CONSTRUCTION WORK.** A plant location service is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works. The exact position of Telstra assets can only be validated by physically exposing them. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

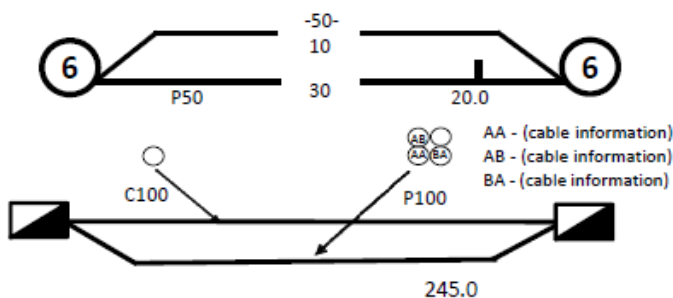
Privacy Note

Your information has been provided to Telstra by BYDA to enable Telstra to respond to your BYDA request. Telstra keeps your information in accordance with its privacy statement. You can obtain a copy at www.telstra.com.au/privacy or by calling us at 1800 039 059 (business hours only).

LEGEND



Some Examples of how to read Telstra Plans



One 50mm PVC conduit (P50) containing a 50-pair and a 10-pair cable between two 6-pits, approximately 20.0m apart, with a direct buried 30-pair cable along the same route

Two separate conduit runs between two footway access chambers (manholes) approximately 245m apart. A nest of four 100mm PVC conduits (P100) containing assorted cables in three ducts (one being empty) and one empty 100mm concrete duct (C100) along.

Protect our Network:

by maintaining the following distances from our assets:

- 1.0m Mechanical Excavators, Farm Ploughing, Tree Removal
- 500mm Vibrating Plate or Wacker Packer Compactor
- 600mm Heavy Vehicle Traffic (over 3 tonnes) not to be driven across Telstra ducts or plant.
- 1.0m Jackhammers/Pneumatic Breakers
- 2.0m Boring Equipment (in-line, horizontal and vertical)

For more info contact a [CERTLOC Certified Locating Organisation \(CLO\)](#) or Telstra Location Intelligence Team 1800 653 935

Referral
270218031

Member Phone
13 18 72

Responses from this member

Response received Tue 24 Mar 2026 10.02am

File name	Page
Response Body	53
ASSET 270218031.pdf	54
Disclaimer 270218031.pdf	60

Hello Skye Melton,

Thank you for your Before You Dig enquiry on 24 March 2026.

Sequence Number: **270218031**

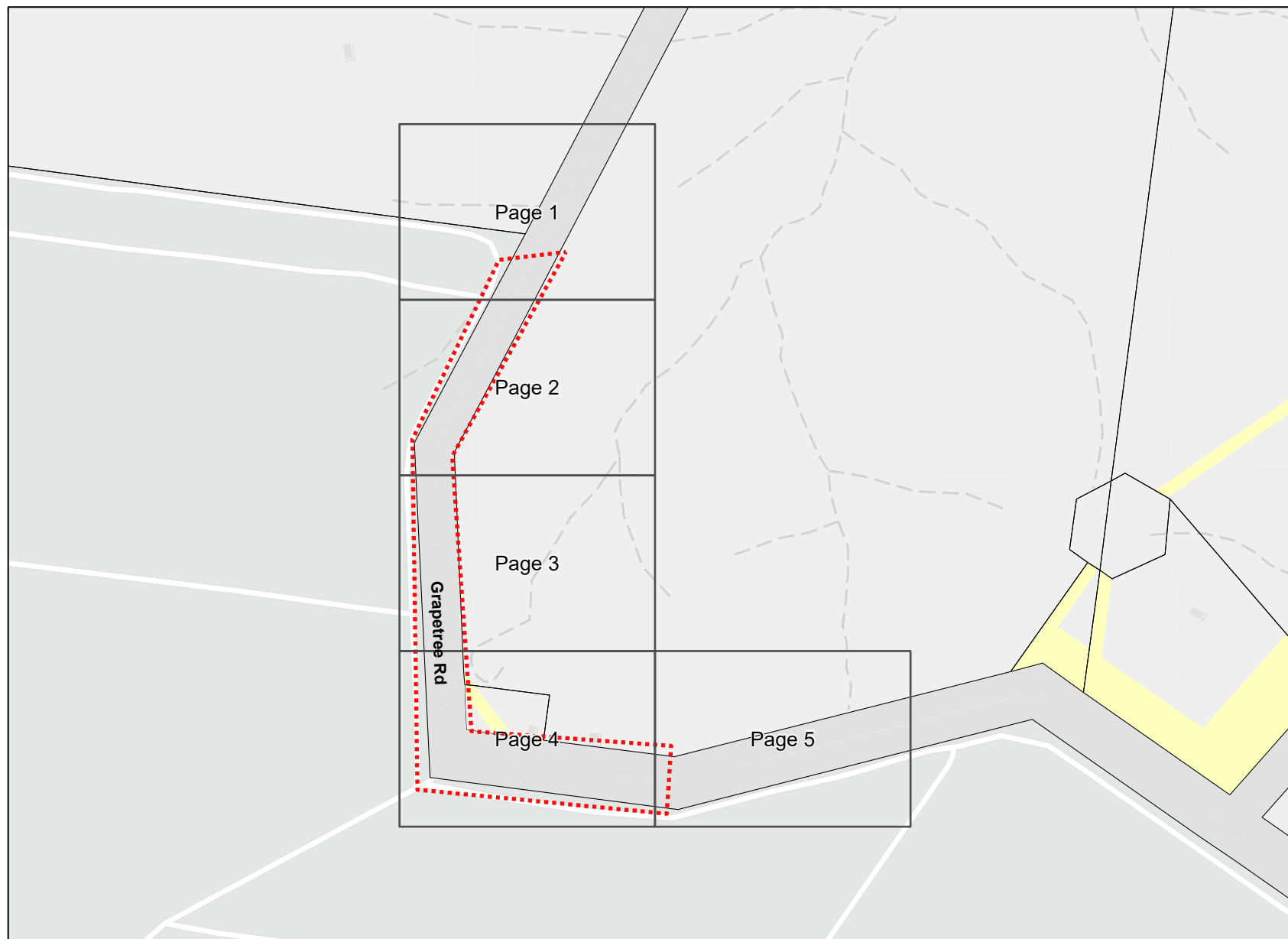
Contact: Skye Melton
Email: skye.melton@rangeenviro.com.au
Phone: 0467 721 404
Fax: -
Mobile: -
Address Lot 10 Thompson Road
Toowoomba City QLD 4350
Site Address: Lot 10 Thompson Road
Grapetree QLD 4352
Worksite: Nature Strip, Road, Footpath
Activity: Planning & Design

Please find attached the response to your enquiry. Should you have any further questions regards the mapping please contact Toowoomba Regional Council on 131 TRC(872). Alternatively for more information on inverts and size queries please refer to our online mapping service <https://mapping.tr.qld.gov.au/WAB/Infra>

Kind regards,

BYDA Team

This communication, including any attachments, is intended solely for the named addressee. It is confidential and may be subject to legal professional privilege. If you are not the intended recipient, please contact me immediately by reply email, delete it from your system and destroy any copies. This email is subject to copyright, no part of it should be reproduced, adapted or transmitted without the prior written consent of the copyright owner. Any views expressed in this message are those of the individual sender and may not necessarily reflect the views of Toowoomba Regional Council.



Legend

- BYDA Enquiry Area
- Detailed Map Page
- No Toowoomba Regional Council assets in this section of the dig site

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information **MUST** be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



Legend

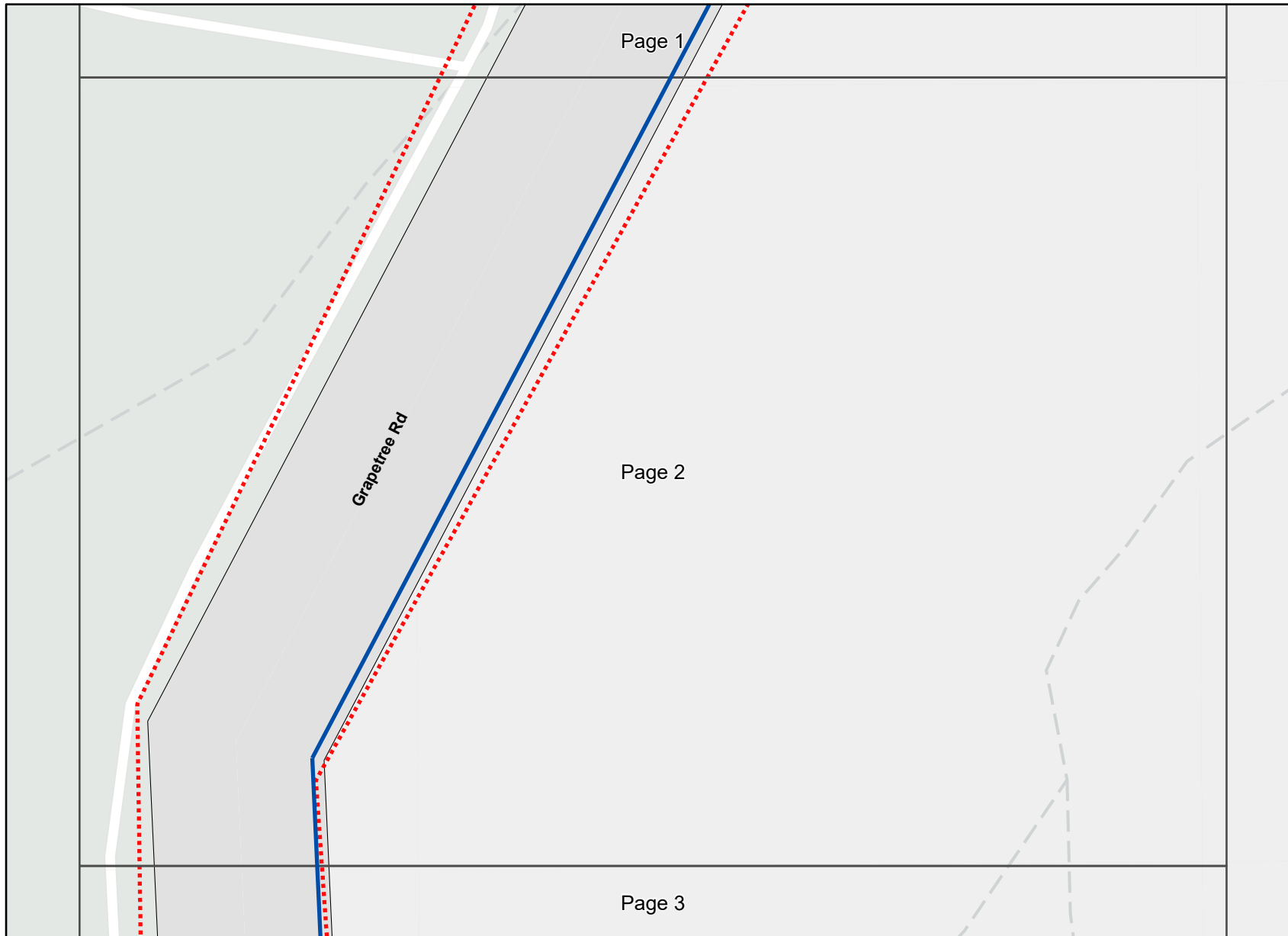
- BYDA Enquiry Area
- Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



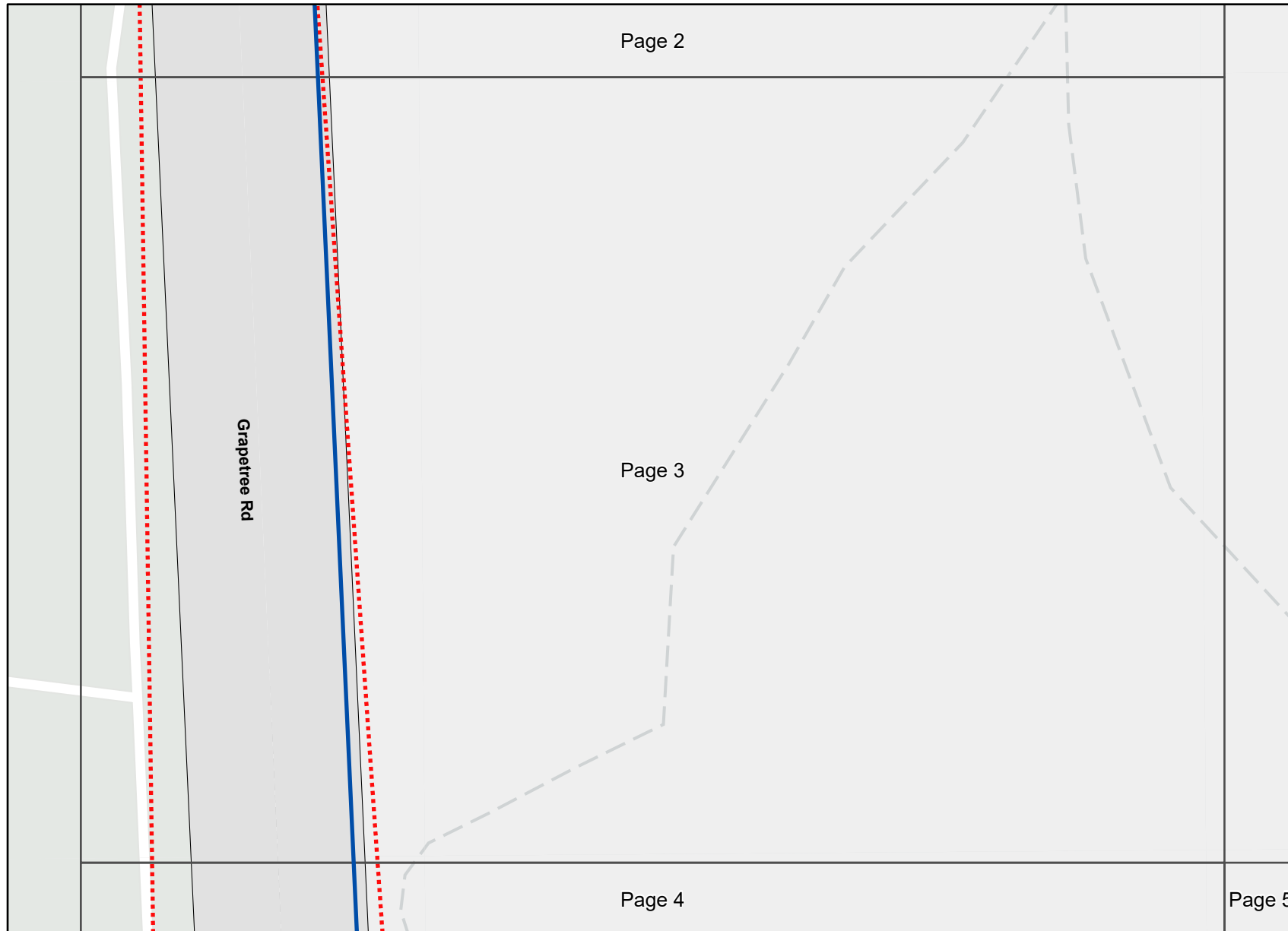
- Legend**
- ⋯ BYDA Enquiry Area
 - Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information **MUST** be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



Legend

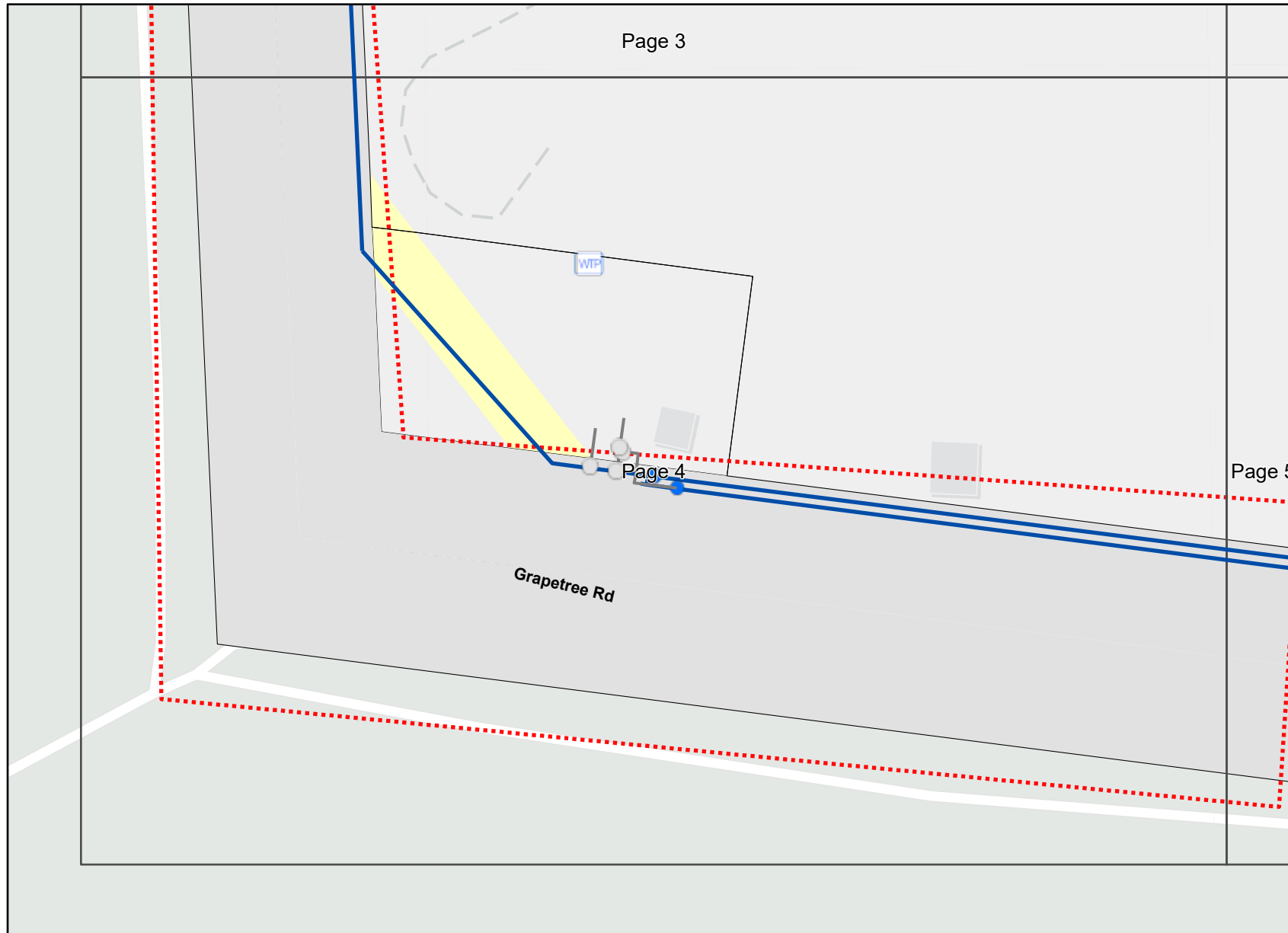
- BYDA Enquiry Area
- Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



- Legend**
- BYDA Enquiry Area
 - Abandoned Water Device
 - Abandoned Water Pipe
 - Water Hydrant
 - Trunk Main
 - WTP Treatment Plant

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



- Legend**
- ⋯ BYDA Enquiry Area
 - Raw Water Main
 - Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.

Disclaimer

1. This Plan/Information is provided for reference purposes in response to an underground infrastructure enquiry.
2. **This response does not provide approval to carry out any works. You may still need to contact the appropriate Toowoomba Regional Council department and/or QLD Government Department of Natural Resources, Mines and Energy (DNRME) to obtain approval and permits.**
3. The permission granted by Council to provide the Plan/Information is subject to the following:
 - 3.1. Council does not warrant that the Information is accurate or complete, and provides no assurances in this regard;
 - 3.2. Third Parties shall conduct their own investigations and/or enquiries regarding the accuracy and completeness of the Information;
 - 3.3. Council does not warrant that a third party shall not infringe upon the intellectual property rights of other third party should it publish or reproduces the Information;
 - 3.4. neither Council nor its agents, officers, Councillors, servants, employees or representatives shall be liable for any damages or losses (whatsoever and however arising) suffered by any third party should the Information be published, reproduced or relied upon by a third party;
 - 3.5. Any Third Party releases and indemnifies Council and its agents, officers, Councillors, servants, employees and representatives from and against all actions whatsoever, which may be brought or made against any of them, by any person, arising from or in any way related to the reproduction of the Information, publication of the Information or reliance upon the Information; and
 - 3.6. The permission to reproduce the Information does not, and shall not be interpreted as constituting the grant of any intellectual property rights in the Information.
 - 3.7. For the avoidance of doubt, Council expressly reserves all of its rights.

Duty of Care

4. The enclosed Plan/Information should be used as a reference only; it indicates the presence of underground infrastructure in the general vicinity of the proposed works. It is the applicant's responsibility to ensure that precise location of underground infrastructure is determined. All underground infrastructure in the vicinity of the proposed works must be located prior to the commencement of work.

Important General Information about Underground Infrastructure
5. Underground Infrastructure

- 5.1. Toowoomba Regional Council's underground infrastructure comprises:
 - 5.1.1. Sewer (wastewater) infrastructure, including but not limited to sewerage pipes and access chambers;
 - 5.1.2. Stormwater infrastructure, including but not limited to drainage pipes, drainage inlet structures, access chambers;
 - 5.1.3. Water infrastructure, including but not limited to water pipes and fittings; and
 - 5.1.4. Electrical and communication infrastructure in the central business district (CBD), and at road intersections. Please note that electrical and communication infrastructure information is not stored digitally. For further information on this infrastructure please call 131 TRC (131 872) for plans. Fees and charges may apply*.
- 5.2. Toowoomba Regional Council does not own or control the location of other underground infrastructure including but not limited to: Telstra, Ergon, National Broadband Network, and Energex.

6. Plan/Information

- 6.1. The enclosed plan/information covers Toowoomba Regional Council's underground infrastructure in the vicinity of proposed works. If this map does not cover the full extent of the area of proposed works please contact us on 131 TRC (131 872). Housing Connection Plans (HCP) for domestic (internal to the property boundary) sewer drainage infrastructure must be obtained separately from the Plumbing and Drainage section of the Toowoomba Regional Council by contacting 131 TRC (131 872). Fees and charges apply*. Location information for water pipe connections from water meters to a dwelling/structure are not available.

7. Locating Underground Infrastructure

- 7.1. If you require further assistance locating Council's underground infrastructure, please contact 131 TRC (131 872) for more information.

8. Your Responsibility

- 8.1. Visually locate Toowoomba Regional Council underground infrastructure by hand digging where construction activities may damage or interfere with Toowoomba Regional Council underground infrastructure.
- 8.2. On receipt of plans/information, and before commencing works in the vicinity of Toowoomba Regional Council underground infrastructure, carefully locate the infrastructure by using the abovementioned method.
- 8.3. Council Parks and Recreation branch should be contacted on 131 TRC (131 872) to make arrangements to minimize damage to tree roots.
- 8.4. Other relevant authorities should be contacted for locating their infrastructure.
- 8.5. Notification should be given to residents affected by work before commencement.
- 8.6. If an electronic cable locator is used, hand excavation to the depth of the underground infrastructure must be done in advance to the use of excavators.
- 8.7. Any damage to Council's infrastructure must be promptly reported to Toowoomba Regional Council by phoning 131 TRC (131 872).
- 8.8. Any damage to council assets shall be repaired or reinstated by Toowoomba Regional Council at the applicants cost to the appropriate Council Standard.
- 8.9. Toowoomba Regional Council may elect to carry out rectification/reinstatement works itself because of public safety, continuity of service or for other reason(s). In such circumstances, the cost of such repairs will be recovered from the applicant.
- 8.10. For all work within 2.5 metres of nominal location, you are required to hand dig (pothole) and expose the underground infrastructure, proving its exact location before work can commence.

Where works impact on road users, a traffic control plan shall be submitted to Council for consideration prior to works commencing. Depending on the impact of such works, certain conditions may be imposed, i.e. Day/time of works.

For more information including inverts and size queries please refer to our Toowoomba Regional Council website (www.tr.qld.gov.au) and access the online maps section.

For Further Enquiries & Onsite Surface Locations for TRC underground infrastructure, please phone 131 TRC (131 872)

*Council's Fees and Charges can be accessed at www.tr.qld.gov.au or by calling 131 TRC (131 872)



End of document

i This document may exclude some files (eg. DWF or ZIP files)

This document was automatically generated at a point-in-time. Be aware that the source information from which this document was created may have changed since it was produced. This document may contain incomplete or out-of-date information. Always check your enquiry details in the BYDA Referral Service for the most recent information. For copyright information refer to individual responses.

579 Grapetree Road



[Review responses online](#) ↗



Received 3 of 3 responses
All responses received

579 Grapetree Road, Pechey QLD 4352

Job dates
25/03/2026 → 25/03/2026

These plans expire on
20 Apr 2026

Lodged by
Skye Melton

Authority	Status	Page
BYDA Confirmation		2
Ergon QLD	Received	4
Telstra QLD Regional	Received	45
Toowoomba Regional Council	Received	53

Contact Details

Contact	Contact number	Company	Enquirer ID
Skye Melton	0467 721 404	Range Environmental Consultants	3401075
Email		Address	
skye.melton@rangeenviro.com.au		189 Hume Street Toowoomba City QLD 4350	

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	Start date	End date	On behalf of	Job purpose	Locations	Onsite activities
24/03/2026	25/03/2026	25/03/2026	Toowoomba Regional Council	Design	Both Road, Nature Strip, Footpath	Planning & Design



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	Address	Notes/description
579 Grapetree Road	579 Grapetree Road Pechey QLD 4352	-

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
270218127	Ergon QLD	13 10 46	NOTIFIED
270218128	Telstra QLD Regional	1800 653 935	NOTIFIED
270218126	Toowoomba Regional Council	13 18 72	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.



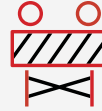
Prepare

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

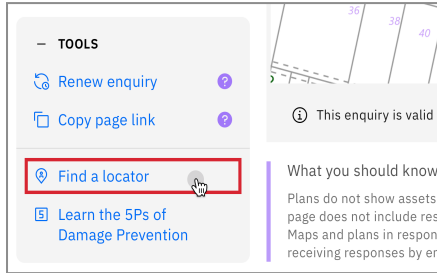
Protecting and supporting the exposed infrastructure is the responsibility of the excavator. Always erect safety barriers in areas of risk and enforce exclusion zones.



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 isseekplant'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 isseekplant to find trusted contractors near you today, visit:
blog.isseekplant.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

Referral

270218127

Member Phone

13 10 46

Responses from this member

Response received Tue 24 Mar 2026 10.00am

File name	Page
Response Body	5
270218127 - Ergon Energy Plan.pdf	8
Ergon Energy BYDA Terms and Conditions.pdf	9
Working Near Overhead and Underground Electric Lines.pdf	14

No Assets Recorded

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.

Our search has revealed within the nominated search area, ERGON ENERGY NETWORK does not have any Assets recorded.

A detailed plan has not been provided.

You: **BYDA Enquiry No:**

Skye Melton 270218127

Company: **Date of Response:**

Range Environmental Consultants 24 Mar 2026

Search Location: **Period of Plan Validity:**

579 Grapetree Road
Pechey,
QLD 4352 4 Weeks

External Comments (if any):

**WARNING: When working in the vicinity of ERGON ENERGY NETWORK 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 ERGON ENERGY NETWORK on **13 16 70**.
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 ERGON ENERGY NETWORK are only an indication of the presence of 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 ERGON ENERGY NETWORK do not encompass ERGON ENERGY NETWORK overhead Assets.
6. ERGON ENERGY NETWORK, 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 ERGON ENERGY NETWORK 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 Assets caused by works pursuant to or in any way connected with this BYDA Request.
8. In addition to Assets marked on attached plan, there could be underground earth conductors, underground substation 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 ERGON ENERGY NETWORK 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 via the [Certified Locator website](#) with LV Cable (up to 1kV), HV Cable (1kV-<33kV) & HV cable (33kV and over) displayed.
10. The ERGON ENERGY NETWORK Before You Dig Australia (BYDA) information map(s) provide the vicinity of Assets and will not be adequate for conveyancing purposes. A Request for Search (Property Search) can be arranged through ERGON ENERGY NETWORK.
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 ERGON ENERGY NETWORK 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 ERGON ENERGY NETWORK BDYA team on the details listed below.
13. ERGON ENERGY NETWORK 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 risks in the workplace Code of Practice 2021 \(worksafe.qld.gov.au\)](#)
 - [Excavation work Code of Practice 2021 \(worksafe.qld.gov.au\)](#)

General enquiries (7:00am - 5:30pm Mon to Fri) **13 74 66**
Life threatening emergencies only triple zero (000) or **13 16 70**

E: byda@energyq.com.au

ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Disclaimer: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither ERGON ENERGY NETWORK 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: 270218127
Date: 24/03/2026

Scale: 1:2244
Tile No: **OVERVIEW**

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 Ergon Energy Network 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.



Responsibilities – (When Working in the Vicinity of Ergon Energy Network Asset)

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

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 is 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 Ergon Energy Network to ensure compliance with the [Electrical Safety Act 2002](#)

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au

ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



The following matters must be considered when working near Ergon Energy Network Asset:

1. 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](#)).
2. 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 Ergon Energy Network Assets.
3. It is the constructor's responsibility to:
 - a) Anticipate and request plans of Ergon Energy Network Assets for a location at a reasonable time before construction begins.
 - b) Visually locate Ergon Energy Network Assets by hand or vacuum excavation where construction activities may damage or interfere with Ergon Energy Network Assets.
 - c) To notify Ergon Energy Network if the information provided is found to be not accurate or Assets are found on site that are not recorded on the Ergon Energy Network 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

4. 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 Ergon Energy Network 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 Ergon Energy Network Assets under the roadways. In no case should the constructor rely on statements of third parties in relation to the position of Ergon Energy Network Assets. It is the applicant's responsibility to accurately locate all services as part of the design and/or prior to excavation.
- Ergon Energy Network does not provide information on private underground installations, including consumers' mains that may run from Ergon Energy Network mains onto private property. Assets located on private property are the responsibility of the owner for identification and location.
- Ergon Energy Network 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:
 - [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 manage and control asbestos Code of Practice 2021 \(WHSQ\)](#)
- Plans provided by Ergon Energy Network are not guaranteed to show the presence of above ground Assets.
- In addition to underground cables marked on attached plan, there could be underground earth conductors, underground substation 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 ERGON ENERGY NETWORK 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 [s 304] 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 and 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>
- Ergon Energy Network plans are designed to be printed in colour and as an A3 Landscape orientation

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](#)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au

ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Conditions – (When Working in the Vicinity of Ergon Energy Network Asset)

Records:

The first step before any excavation commences is to obtain records of Ergon Energy Network Assets in the vicinity of the work. For new work, records should be obtained during the planning and design stage. The records provided by Ergon Energy Network 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 Ergon Energy Network 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.

Ergon Energy Network retains copyright of all plans and details provided in connection with Your request.

Ergon Energy Network 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 Ergon Energy Network'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 Ergon Energy Network on the General Enquiries number listed below for further advice.

Ergon Energy Network, 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 Ergon Energy Network against any claim or demand for any such loss or damage.

The constructor is responsible for all Asset damages when works commence prior to obtaining Ergon Energy Network 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 Ergon Energy Network.

Ergon Energy Network reserves all rights to recover compensation for loss or damage caused by interference or damage, including consequential loss and damages to its cable network, or other property.

NOTE: Where Your proposed work location contains ERGON ENERGY NETWORK Underground cables please access the [ERGON ENERGY NETWORK 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 Asset 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 Ergon Energy Network 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 Ergon Energy Network on the General Enquires number listed below for further advice.

If the constructor is unable to locate Ergon Energy Network underground Assets within 5 metres of nominal plan locations, they must contact the Ergon Energy Network 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 cables as if alive, post a person to keep all others clear of the excavation until Ergon Energy Network 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 Ergon Energy Network officer.

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

To re-submit or change the nominated search area please visit BYDA.com.au

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055



Asset Installation Methods:

Ergon Energy Network 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 2.5m 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 Ergon Energy Network Assets, then hand or vacuum excavation (potholing) at least every 4m is required to establish the location of all Assets, hence confirming nominal locations before work can commence. *Generally, there is no restriction to excavations parallel to Ergon Energy Network Assets to a depth not exceeding that of the Asset. **Note: Asset 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 Ergon Energy Network 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 Ergon Energy Network/council to obtain specific separation distances							

Table 2. Minimum Separation Requirements for Underground Services Crossing Ergon Energy Network 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 cables will be exposed or unsupported, then Ergon Energy Network shall be contacted to determine whether the cables 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 Ergon Energy Network authorised representative. Protective cover strips when removed must be replaced under Ergon Energy Network supervision. Under no circumstances shall they be omitted to allow separation between Ergon Energy Network Assets and other services.

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Heavy Machinery Operation Over Assets:

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

Directional Boring Near Cables:

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 Assets before using boring machinery. Where it is required to bore across the line of Assets, the actual location of the Assets 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 Assets 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 Ergon Energy Network's Planning Engineer for use of explosives in the vicinity of Ergon Energy Network Assets.

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 cables as if alive, post a person to keep all others clear of the excavation until Ergon Energy Network 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 Ergon Energy Network officer.

Solutions and Assistance:

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

If Ergon Energy Network relocation or protection works are part of the agreed solution, then payment to Ergon Energy Network for the cost of this work shall be the responsibility of the PCBU, principal developer or constructor. Ergon Energy Network 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 Ergon Energy Network with a written Safe Work Method Statement for all works in the vicinity of or involving Ergon Energy Network Asset. 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)

Vacuum Excavations (Hydro Vac)

When operating hydro vac equipment to excavate in vicinity of 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 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 ERGON ENERGY NETWORK when working close to Ergon Asset's. For Safety Advice please contact SafetyAdvice@energyq.com.au

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

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

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au





Part of Energy Queensland

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

CONTENTS

1. Purpose and Scope.....	3
2. Definitions, Abbreviations and Acronyms	3
3. References	4
4. About This Guide	5
4.1. Who does the Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and Electricity Entity Requirements apply to?	5
4.2. Are you working or planning to work near overhead or underground electric lines?	6
4.3. Obtaining Safety Advice	8
4.4. Authorised Person and how to become one?	9
4.5. Contacting Electricity Entity for Safety Advice or Authorised Person Enquiries	10
5. Overhead Electric Lines	10
5.1. Isolation of supply to customer installation to eliminate exclusion zone around LV service line	13
5.2. Operating Plant	13
5.3. Scaffolding Requirements	14
5.4. High Load transport under Overhead Electric Lines	16
5.5. Additional Details and Fact Sheets on Electricity Entity Requirements	17
6. Underground Electrical Assets	17
6.1. Responsibilities When Working in the Vicinity of Electricity Entity Underground Electrical Assets	17
6.2. Conditions of Supply of Information.....	18
6.3. When Working in the Vicinity of Electricity Entity Underground Electrical Assets, You Must Observe the Following Conditions	19
6.4. Additional Details and Fact Sheets on Electricity Entity Requirements	21
7. Excavation	22
7.1. Excavating near Poles and Stay Wires	22
7.2. Excavating Near Underground Electrical Assets	24
7.3. Blasting.....	25
8. Reporting Damage Caused to Overhead or Underground Electric Lines	25
9. Infrastructure near Electric Lines	26
9.1. Easements and Wayleaves.....	26
9.2. Contact Electricity Entity when planning construction work near electric lines	27
9.3. What clearances must be maintained once construction work is completed?	28
9.4. What about Electric and Magnetic Fields?	31

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> • General Enquiries - ph 13 12 53 • Loss of Supply - ph 13 62 62 • Emergencies - ph 13 19 62 <u>Ergon Energy:</u> • 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	A safety observer or “spotter”, for the operation of operating plant, means a person who: (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. 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.
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.

To the extent permitted by law, Energex and Ergon Energy will not be responsible for any loss, damage or costs incurred as a result of any errors, omissions or misrepresentations in relation to the material in this document or for any possible actions ensuing from information contained in the document.

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

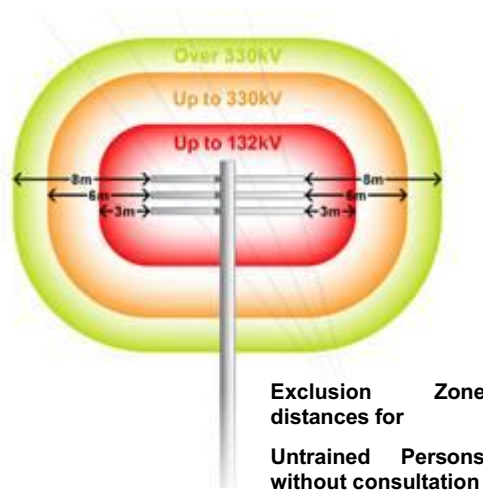
An exclusion zone is a safety envelope around an overhead electric line. No part of a worker, operating plant or vehicle should enter an exclusion zone while the overhead electric line is energised (live).

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	Isolation of overhead or underground service by removal of the service fuse(s). (Preferred option to isolate supply and eliminate the exclusion zone).	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.	Cost to customer.
Insulation integrity verification	3. Verification of insulation integrity to reduce exclusion zone to no exclusion zone prescribed e.g. no contact permitted	Verification of insulation integrity to classify as insulated service - Insulation integrity can only be verified at the time of inspection - visual inspection is required before confirmation in all cases. When service insulation integrity verified - no exclusion zone prescribed e.g. no contact permitted. (Can only be performed by the Entity)	Cost to customer.
Service replacement	4. Open wire service, service fuse(s) at house/building	Replacement of service with new XLPE service cable and service fuse(s) installed at origin (pole end) of service to allow isolation of service. Insulation integrity can be verified for new XLPE services at the time of installation - visual inspection is required before confirmation.	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
		Service installations where: a. the consumer's mains cannot be insulated and an exclusion zone must be maintained, and b. the service cannot be isolated at the service fuse. 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.	Nil cost to customer for first disconnection and reconnection. Cost to customer for subsequent requests.
	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.	Cost to customer for service replacement. Customer responsible for necessary installation, Mains Connection Box and service support bracket upgrade and associated costs if required.
Tiger Tails	Installation of Tiger Tails (for visual indication only - not for providing electrical insulation of LV mains)	Customer requested coverage of LV mains for visual indication only (not permitted on HV mains). The Entity may also fit tiger tails to LV service line for visual indication only.	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.

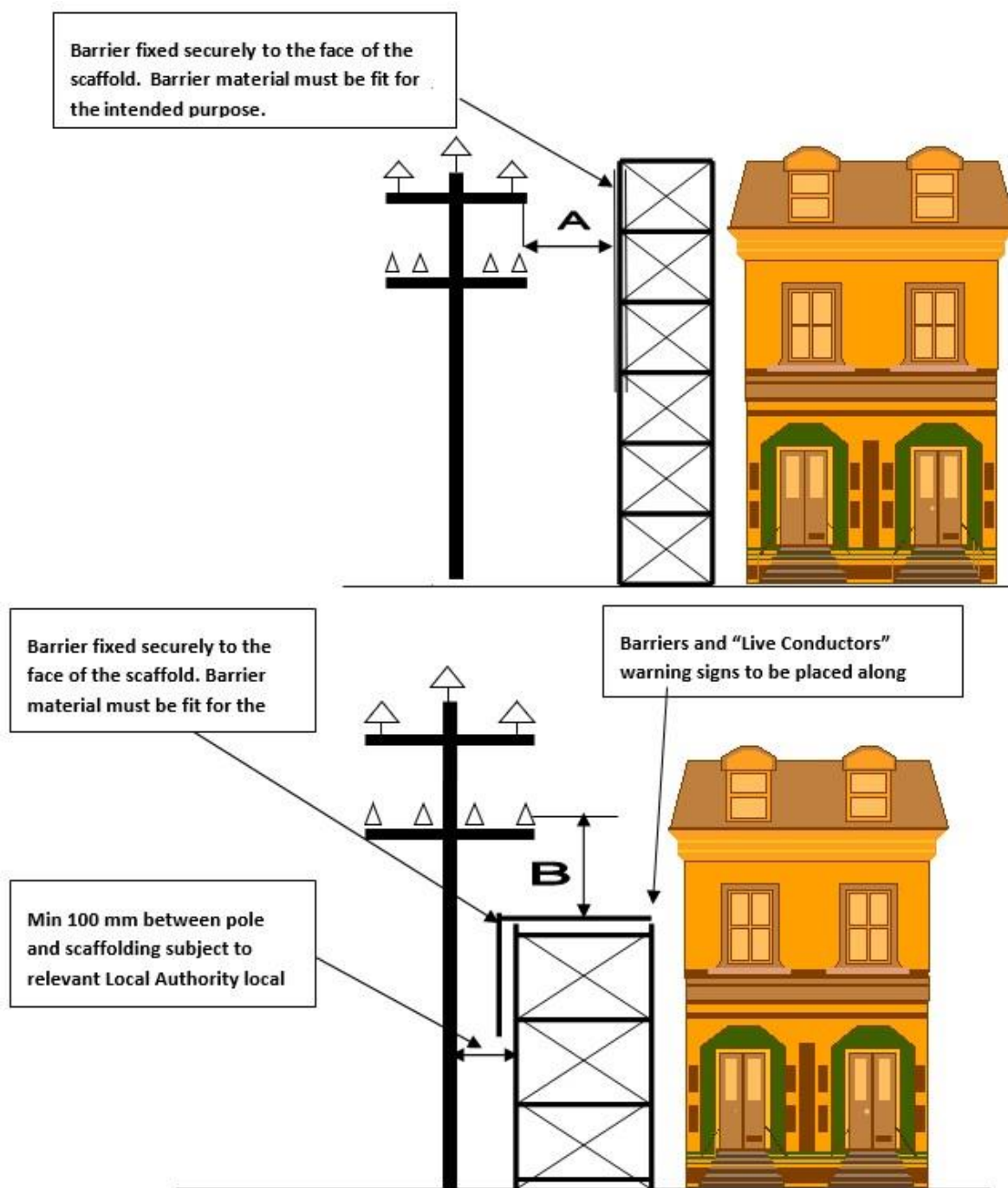
Where an insulated low voltage service line passes through the scaffolding, it should either be de-energised for duration of work or be fully enclosed by non-conductive material (e.g. form ply).

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	500	*1000	500	1000	500
HV	250 (Energex)	300					
*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.

-
- Minimum soil area required for pole support – 'Do Not Disturb'
- Do not excavate within 5 m (horizontal distance) of Electricity Entity poles with earth leads or cables running down into the ground, without prior approval from the Electricity Entity.
- Ground Line
- 250 mm
- 250 mm
- 45°
- Do Not Disturb Zone**

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

- 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 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.

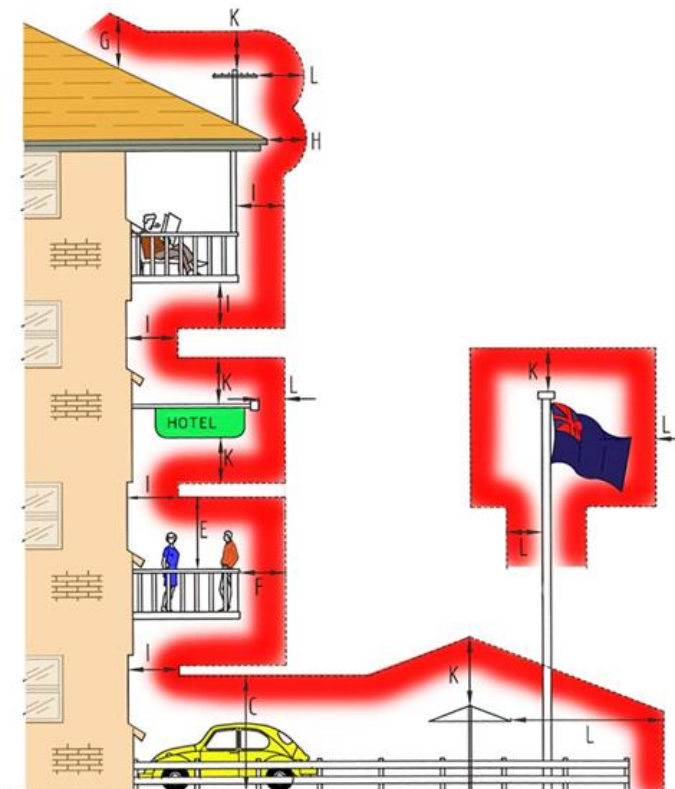
NOTE: Do not assume that your local council approval is sufficient approval for you to proceed with your work. The local council may not check whether or not your proposed construction work will comply with the Electricity Entity's statutory clearance requirements.

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.

<i>What is PERMITTED around Electricity Entity overhead or underground electric lines</i>	<i>What is NOT PERMITTED around Electricity Entity overhead or underground electric lines</i>
✓ 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. ✓ Clothes hoists and barbecues should be located clear of the vehicle access way. Note: Maximum Height 2.5 m. ✓ 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. ✓ Excavating, filling and altering of nearby land may be acceptable but full details need to be provided to the Electricity Entity for assessment. ✓ 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. ✓ 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.	✗ Build houses, sheds, garages or other large structures. Building of roofed/unroofed verandas, swimming pools and pergolas are generally not acceptable. ✗ Flying kites or model aircraft within the easement. ✗ Driving fence posts or stakes into ground within easements where there is underground cabling. ✗ Storing liquids such as petrol, diesel fuel, or any flammable or combustible material that will burn. ✗ Installing lighting poles. ✗ Stockpiling soil or garbage within the easement. ✗ Planting trees in large quantities that could create a fire hazard or that grow in excess of the approved maximum height of 3 m. ✗ Storing or using explosives. ✗ Residing in or occupying any caravan or mobile home within an easement. ✗ 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.

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
270218128

Member Phone
1800 653 935

Responses from this member

Response received Tue 24 Mar 2026 10.46am

File name	Page
Response Body	46
270218128.pdf	47
AccreditedPlantLocators 2025-01-08a.pdf	49
Telstra Duty of Care v32.0c.pdf	50
Telstra Map Legend 4.0b.pdf	52

Attention: Skye Melton

Site Location: 579 Grapetree Road, Pechey, QLD 4352

Your Job Reference: 579 Grapetree Road

Please do not reply to this email, this is an automated message -

Thank you for requesting Telstra information via Before You Dig Australia (BYDA).

This response contains Telstra information relating to your recent BYDA request.

Please refer to all enclosed attachments for more information.

Information for opening Telstra Asset Plans as well as some other useful contact information is noted in the attached documents.

Report Damage to Telstra Equipment: [Report damages to Telstra equipment - Telstra](#)

Please note:

When working in the vicinity of telecommunications plant you have a 'Duty of Care' that must be observed.

Ensure you read all documents (attached) - they contain important information.

Please also refer to the **Before you Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation**

<https://www.byda.com.au/before-you-dig/best-practice-guides/>, The essential steps that must be undertaken prior to commencing construction activities.

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 them. 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 assets prior to commencing work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works.

See the **Before You Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation**

<https://www.byda.com.au/before-you-dig/best-practice-guides/>.

Please note that:

- it is a criminal offence under the *Criminal Code Act* 1995 (Cth) to tamper or interfere with telecommunications infrastructure.
- Telstra will take action to recover compensation for damage caused to property and assets, and for interference with the operation of Telstra's networks and customers' services.

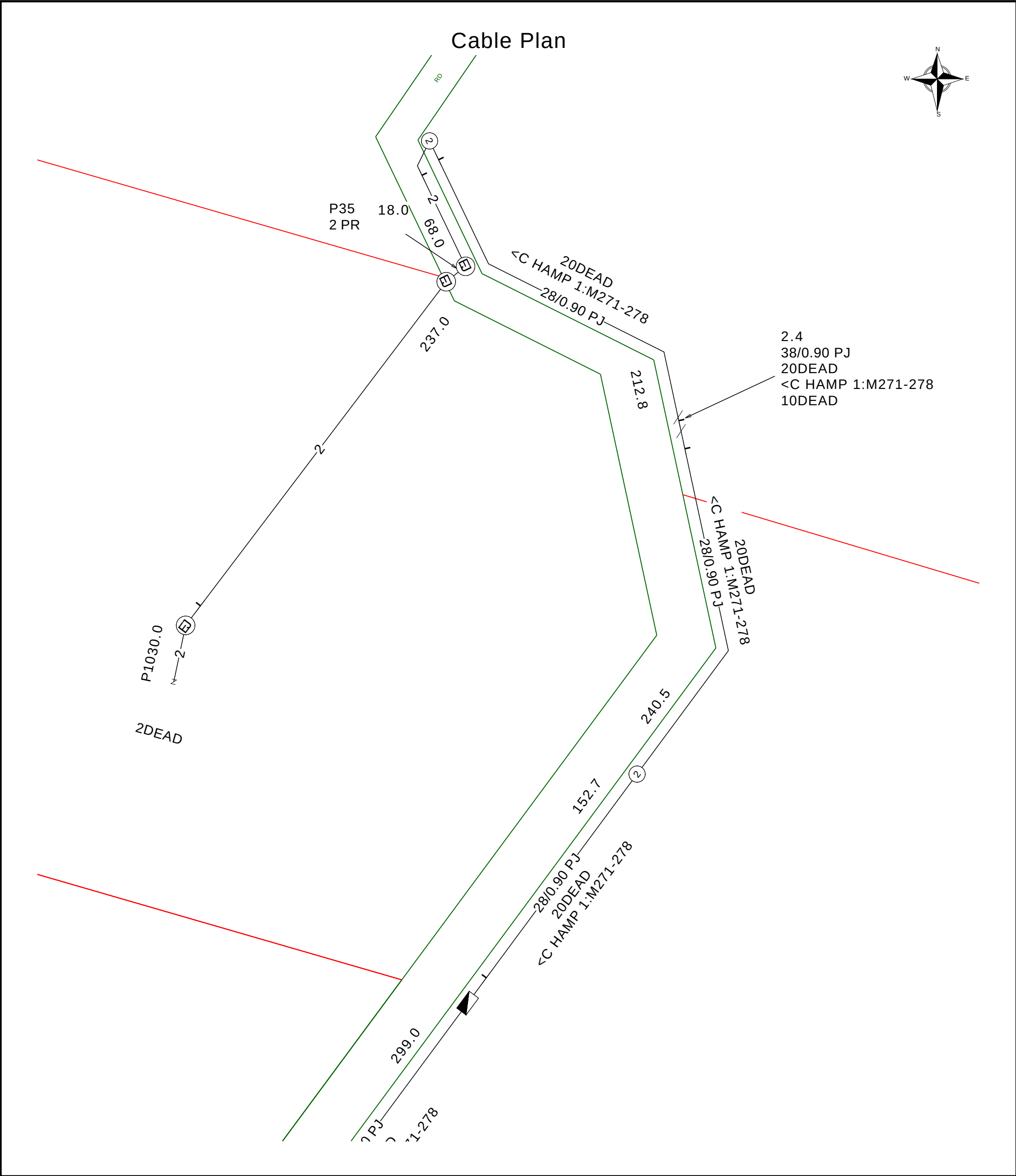
Telstra's plans contain Telstra's confidential information and are provided on the basis that they are used solely for identifying the location or vicinity of Telstra's infrastructure to avoid damage to this infrastructure occurring as part of any digging or other excavation activity. You must not use Telstra's plans for any other purpose or in a way that will cause Telstra loss or damage and you must comply with any other terms of access to the data that have been provided to you by Telstra (including Conditions of Use or Access).

(See attached file: Telstra Duty of Care v32.0c.pdf)

(See attached file: Telstra Map Legend 4.0b.pdf)

(See attached file: AccreditedPlantLocators 2025-01-08a.pdf)

(See attached file: 270218128.pdf)



	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: 270218128
	TELSTRA LIMITED A.C.N. 086 174 781	Please read Duty of Care prior to any excavating
	Generated On 24/03/2026 11:26:24	

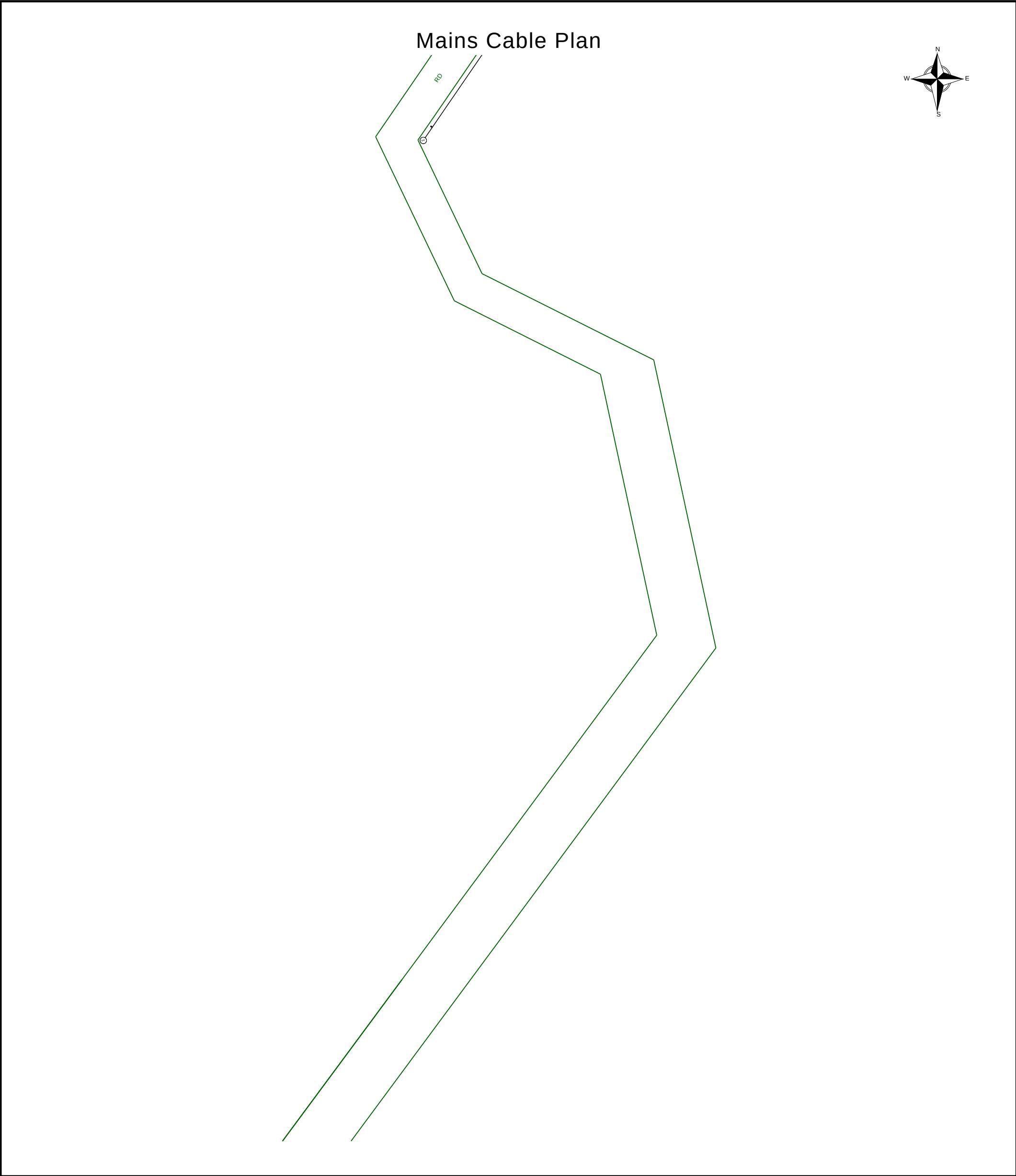
The above plan must be viewed in conjunction with the Mains Cable Plan on the following page

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.

Page 1 of 2



	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: 270218128
	TELSTRA LIMITED A.C.N. 086 174 781	Please read Duty of Care prior to any excavating
	Generated On 24/03/2026 11:26:24	

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.

Page 2 of 2

Before you Dig Australia – BEST PRACTISE GUIDES

The five Ps of safe excavation

<https://www.byda.com.au/before-you-dig/best-practice-guides/>

OPENING ELECTRONIC MAP ATTACHMENTS –

Telstra Cable Plans are generated automatically in either PDF or DWF file types.
Dependent on the site address and the size of area selected.
You may need to download and install free viewing software from the internet e.g.



DWF Map Files (all sizes over A3)
Autodesk Viewer (Internet Browser) <https://viewer.autodesk.com/> or
Autodesk Design Review <http://usa.autodesk.com/design-review/> for
DWF files. (Windows PC)



PDF Map Files (max size A3)
Adobe Acrobat Reader <http://get.adobe.com/reader/>



Telstra BYDA map related enquiries email Telstra.Plans@team.telstra.com
1800 653 935 (AEST Business Hours only)



REPORT ANY DAMAGE TO THE TELSTRA NETWORK IMMEDIATELY

Report online - <https://www.telstra.com.au/forms/report-damage-to-telstra-equipment>

Ph: 13 22 03

If you receive a message asking for a phone or account number say:
“I don’t have one” then say “Report Damage” then press 1 to speak to an operator.



Telstra New Connections / Disconnections
13 22 00



Telstra asset relocation enquiries: 1800 810 443 (AEST business hours only).
NetworkIntegrity@team.telstra.com
<https://www.telstra.com.au/consumer-advice/digging-construction>



Telstra Aerial Assets Group (overhead network)
1800 047 909



CERTLOC Certified Locating Organisation (CLO)
certloc.com.au/locators/

Only Telstra authorised personnel and CERTLOC Locators can access Telstra’s Pit and Pipe Network.

Before You Dig Australia

Think before you dig

This document has been sent to you because you requested plans of the Telstra network through Before You Dig Australia (BYDA).

If you are working or excavating near telecommunications cables, or there is a chance that cables are located near your site, you are responsible to avoid causing damage to the Telstra network.

Please read this document carefully. Taking your time now and following the BYDA's Best Practices and 5 Ps of Safe Excavation <https://www.byda.com.au/before-you-dig/best-practice-guides/>

can help you avoid damaging our network, interrupting services, and potentially incurring civil and criminal penalties.

Our network is complex and working near it requires expert knowledge. Do not attempt these activities if you are not qualified to do so.

Disclaimer and legal details



*Telstra advises that the accuracy of the information provided by Telstra conforms to Quality Level D as defined in AS5488-2013.

It is a criminal offence under the Criminal Code Act 1995 (Cth) to tamper or interfere with telecommunications infrastructure.

Telstra will also take action to recover costs and damages from persons who damage assets or interfere with the operation of Telstra's networks.

By receiving this information including the indicative plans that are provided as part of this information package you confirm that you understand and accept the risks of working near Telstra's network and the importance of taking all the necessary steps to confirm the presence, alignments and various depths of Telstra's network. This in addition to, and not in replacement of, any duties and obligations you have under applicable law.

When working in the vicinity of a telecommunications plant you have a "Duty of Care" that must be observed. Please read and understand all the information and disclaimers provided below.

The Telstra network is complex and requires expert knowledge to interpret information, to identify and locate components, to pothole underground assets for validation and to safely work around assets without causing damage. If you are not an expert and/or qualified in these areas, then you must not attempt these activities. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers. Construction activities and/or any activities that potentially may impact on Telstra's assets must not commence without first undertaking these steps. Construction activities can include anything that involves breaking ground, potentially affecting Telstra assets.

If you are designing a project, it is recommended that you also undertake these steps to validate underground assets prior to committing to your design.

This Notice has been provided as a guide only and may not provide you with all the information that is required for you to determine what assets are on or near your site of interest. You will also need to collate and understand all information received from other Utilities and understand that some Utilities are not a part of the BYDA program and make your own enquiries as appropriate. It is the responsibility of the entities undertaking the works to protect Telstra's network during excavation / construction works.

Telstra owns and retains the copyright in all plans and details provided in conjunction with the applicant's request. The applicant is authorised to use the plans and details only for the purpose indicated in the applicant's request. The applicant must not use the plans or details for any other purpose.

Telstra plans or other details are provided only for the use of the applicant, its servants, agents, or CERTLOC Certified Locating Organisation (CLO). The applicant must not give the plans or details to any parties other than these and must not generate profit from commercialising the plans or details.

Telstra, 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 Telstra against any claim or demand for any such loss or damage.

Please ensure Telstra plans and information provided always remains on-site throughout the inspection, location, and construction phase of any works.

Telstra plans are valid for 60 days after issue and must be replaced if required after the 60 days.

Data Extraction Fees

In some instances, a data extraction fee may be applicable for the supply of Telstra information. Typically, a data extraction fee may apply to large projects, planning and design requests or requests to be supplied in non-standard formats. For further details contact Telstra Location Intelligence Team.

Telstra does not accept any liability or responsibility for the performance of or advice given by a CERTLOC Certified Locating Organisation (CLO). Certification is an initiative taken by Telstra towards the establishment and maintenance of competency standards. However, performance and the advice given will always depend on the nature of the individual engagement.

Neither the Certified Locating Organisation nor any of its employees are an employee or agent for Telstra. Telstra is not liable for any damage or loss caused by the Certified Locating Organisation or its employees.

Once all work is completed, the excavation should be reinstated with the same type of excavated material unless specified by Telstra.

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.

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

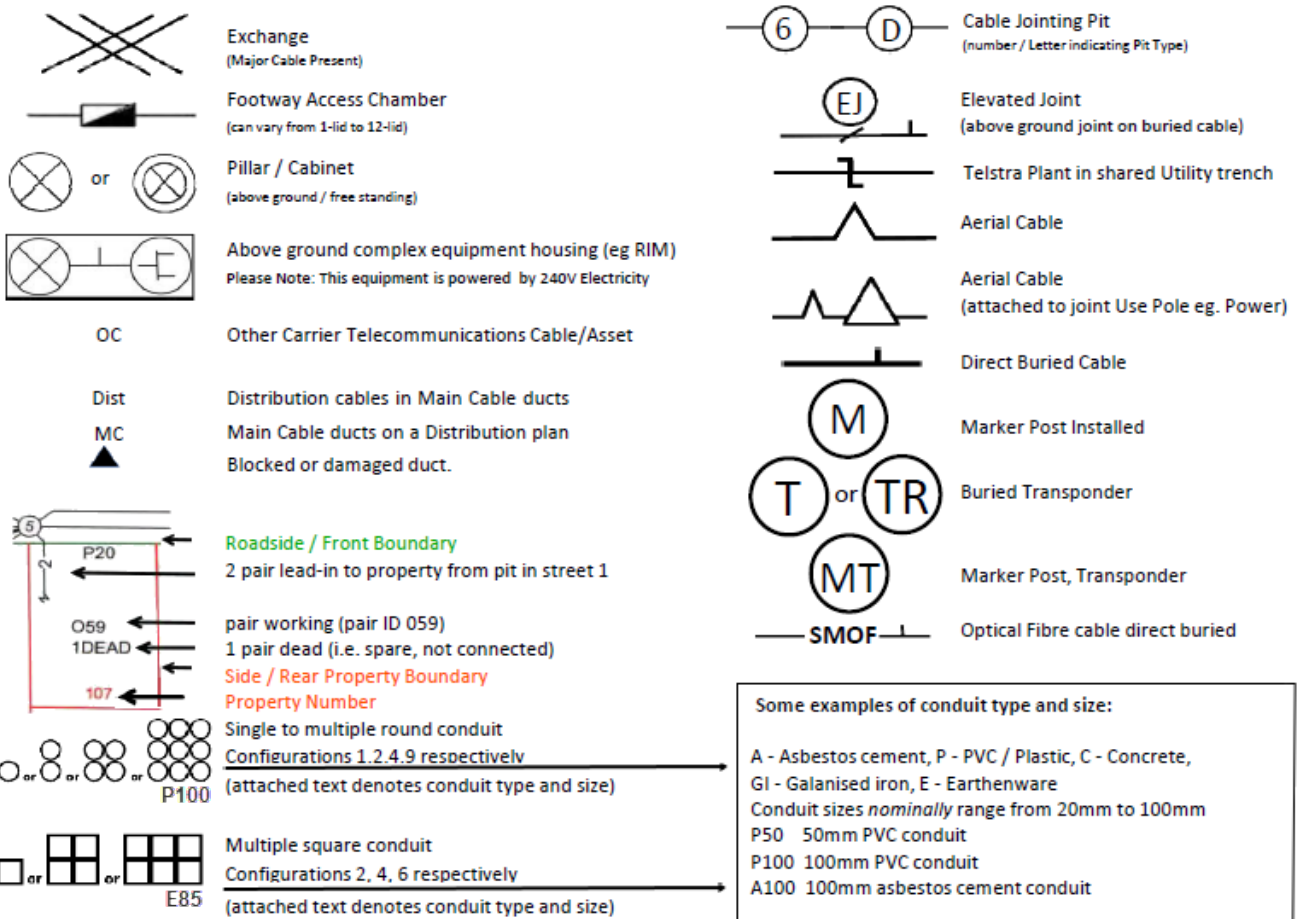
Workers and equipment must maintain safety exclusion zones around power lines

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. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans. **FURTHER ON SITE INVESTIGATION IS REQUIRED TO VALIDATE THE EXACT LOCATION OF TELSTRA PLANT PRIOR TO COMMENCING CONSTRUCTION WORK.** A plant location service is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works. The exact position of Telstra assets can only be validated by physically exposing them. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

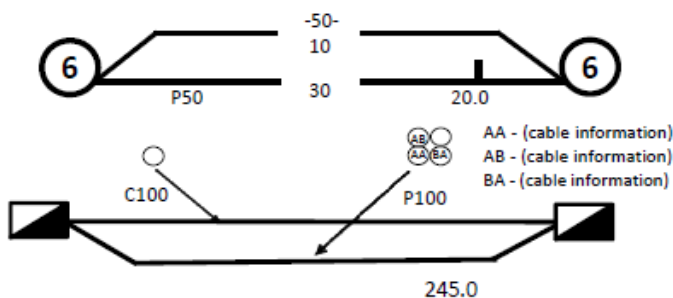
Privacy Note

Your information has been provided to Telstra by BYDA to enable Telstra to respond to your BYDA request. Telstra keeps your information in accordance with its privacy statement. You can obtain a copy at www.telstra.com.au/privacy or by calling us at 1800 039 059 (business hours only).

LEGEND



Some Examples of how to read Telstra Plans



One 50mm PVC conduit (P50) containing a 50-pair and a 10-pair cable between two 6-pits, approximately 20.0m apart, with a direct buried 30-pair cable along the same route

Two separate conduit runs between two footway access chambers (manholes) approximately 245m apart. A nest of four 100mm PVC conduits (P100) containing assorted cables in three ducts (one being empty) and one empty 100mm concrete duct (C100) along

Protect our Network:

by maintaining the following distances from our assets:

- 1.0m Mechanical Excavators, Farm Ploughing, Tree Removal
- 500mm Vibrating Plate or Wacker Packer Compactor
- 600mm Heavy Vehicle Traffic (over 3 tonnes) not to be driven across Telstra ducts or plant.
- 1.0m Jackhammers/Pneumatic Breakers
- 2.0m Boring Equipment (in-line, horizontal and vertical)

For more info contact a [CERTLOC Certified Locating Organisation \(CLO\)](#) or Telstra Location Intelligence Team 1800 653 935

Referral
270218126

Member Phone
13 18 72

Responses from this member

Response received Tue 24 Mar 2026 10.03am

File name	Page
Response Body	54
ASSET 270218126.pdf	55
Disclaimer 270218126.pdf	62

Hello Skye Melton,

Thank you for your Before You Dig enquiry on 24 March 2026.

Sequence Number: **270218126**

Contact: Skye Melton
Email: skye.melton@rangeenviro.com.au
Phone: 0467 721 404
Fax: -
Mobile: -
Address 579 Grapetree Road
Toowoomba City QLD 4350
Site Address: 579 Grapetree Road
Pechey QLD 4352
Worksite: Road, Nature Strip, Footpath
Activity: Planning & Design

Please find attached the response to your enquiry. Should you have any further questions regards the mapping please contact Toowoomba Regional Council on 131 TRC(872). Alternatively for more information on inverts and size queries please refer to our online mapping service <https://mapping.tr.qld.gov.au/WAB/Infra>

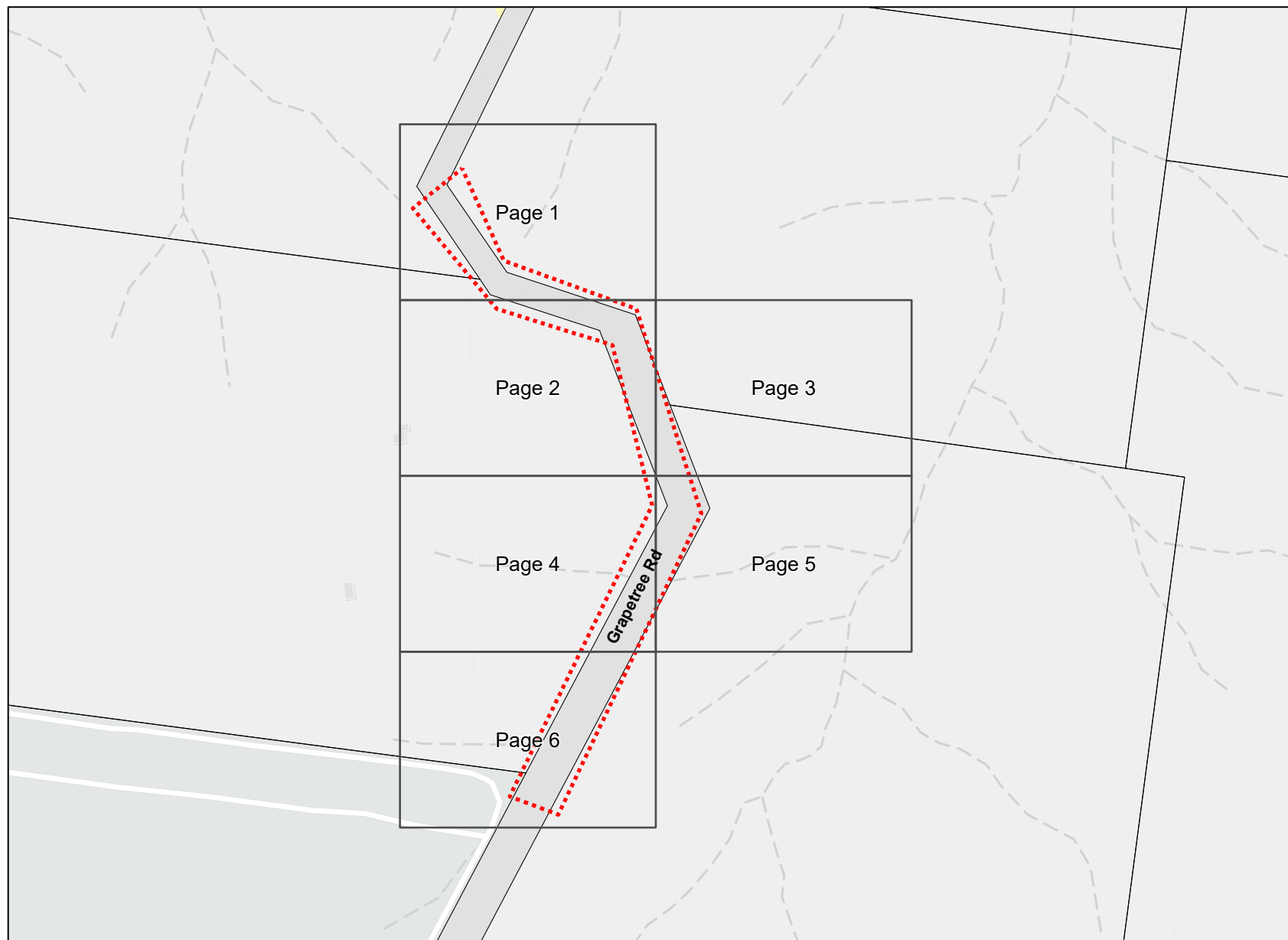
Kind regards,

BYDA Team

This communication, including any attachments, is intended solely for the named addressee. It is confidential and may be subject to legal professional privilege. If you are not the intended recipient, please contact me immediately by reply email, delete it from your system and destroy any copies. This email is subject to copyright, no part of it should be reproduced, adapted or transmitted without the prior written consent of the copyright owner. Any views expressed in this message are those of the individual sender and may not necessarily reflect the views of Toowoomba Regional Council.

Legend

-  BYDA Enquiry Area
-  Detailed Map Page
-  No Toowoomba Regional Council assets in this section of the dig site

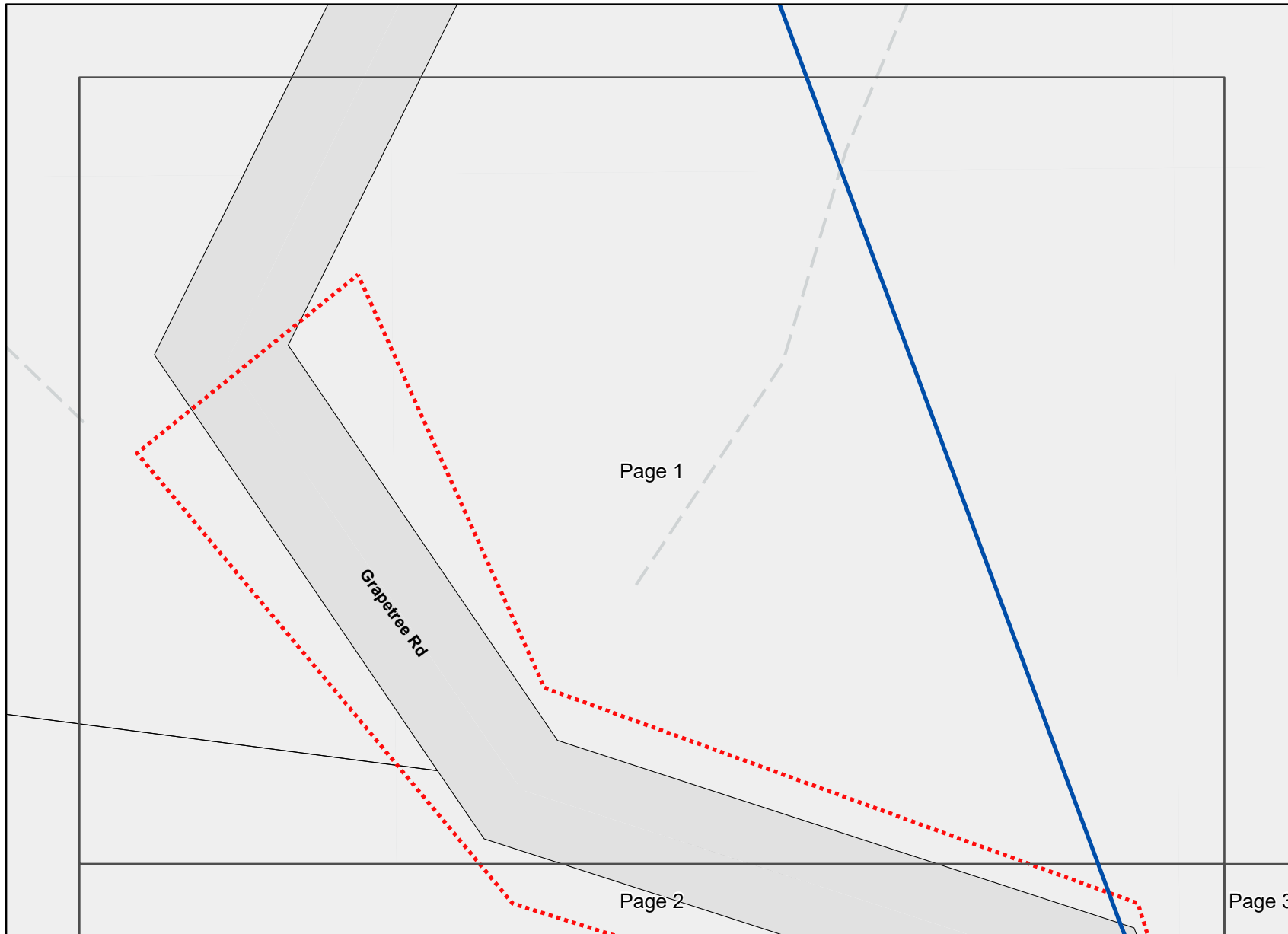


Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



Legend

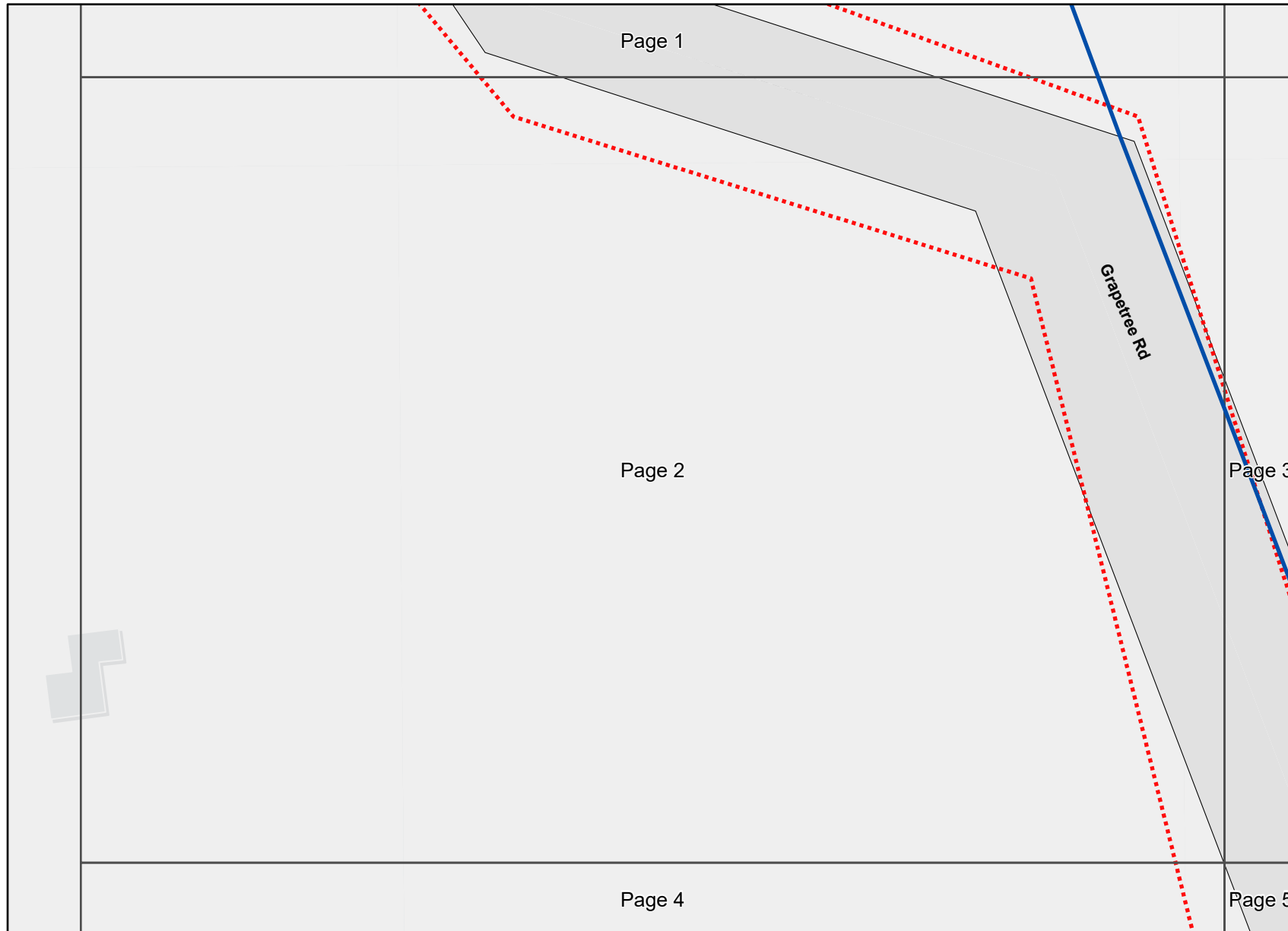
- BYDA Enquiry Area
- Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



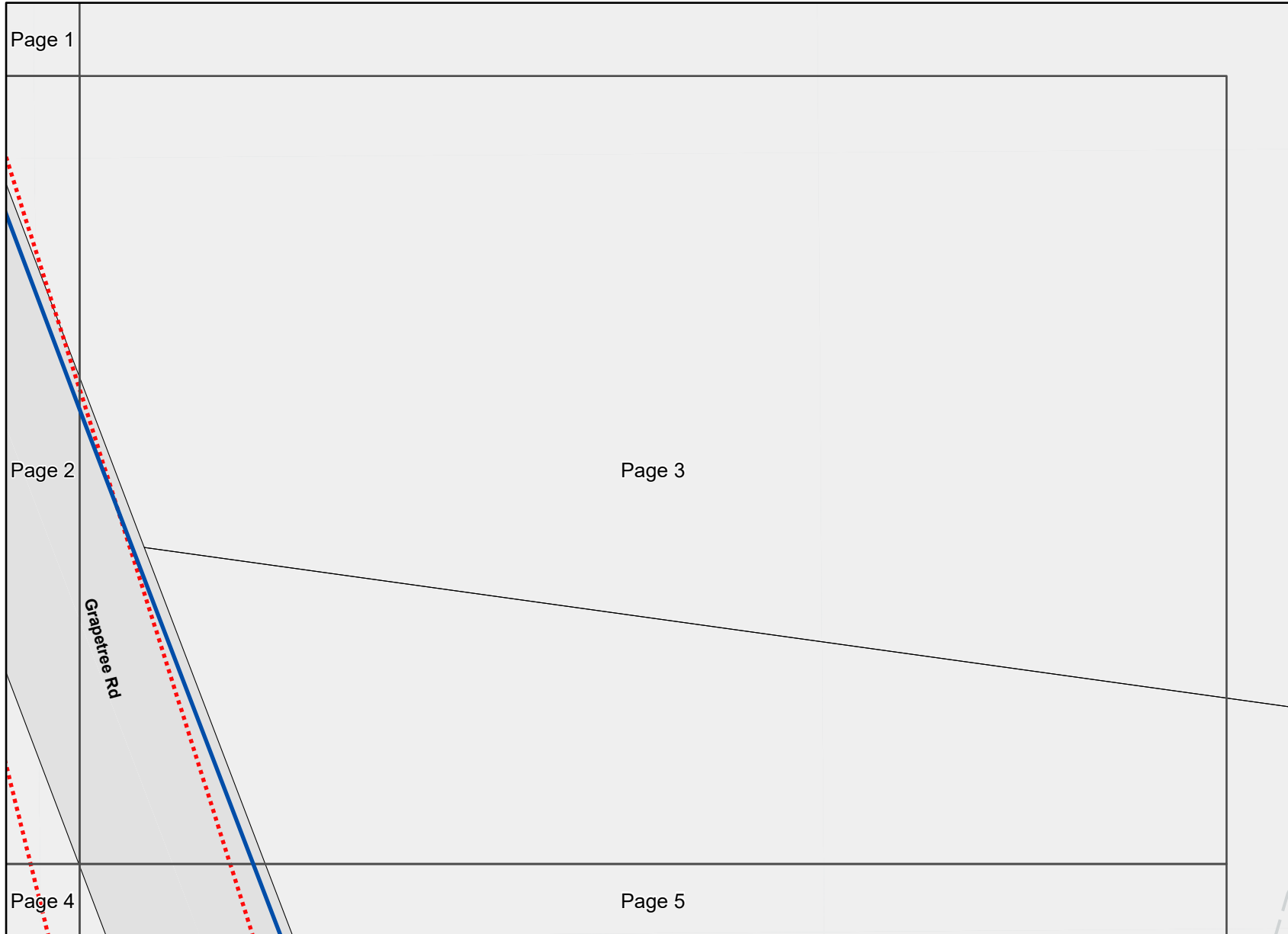
- Legend**
- BYDA Enquiry Area
 - Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



Legend

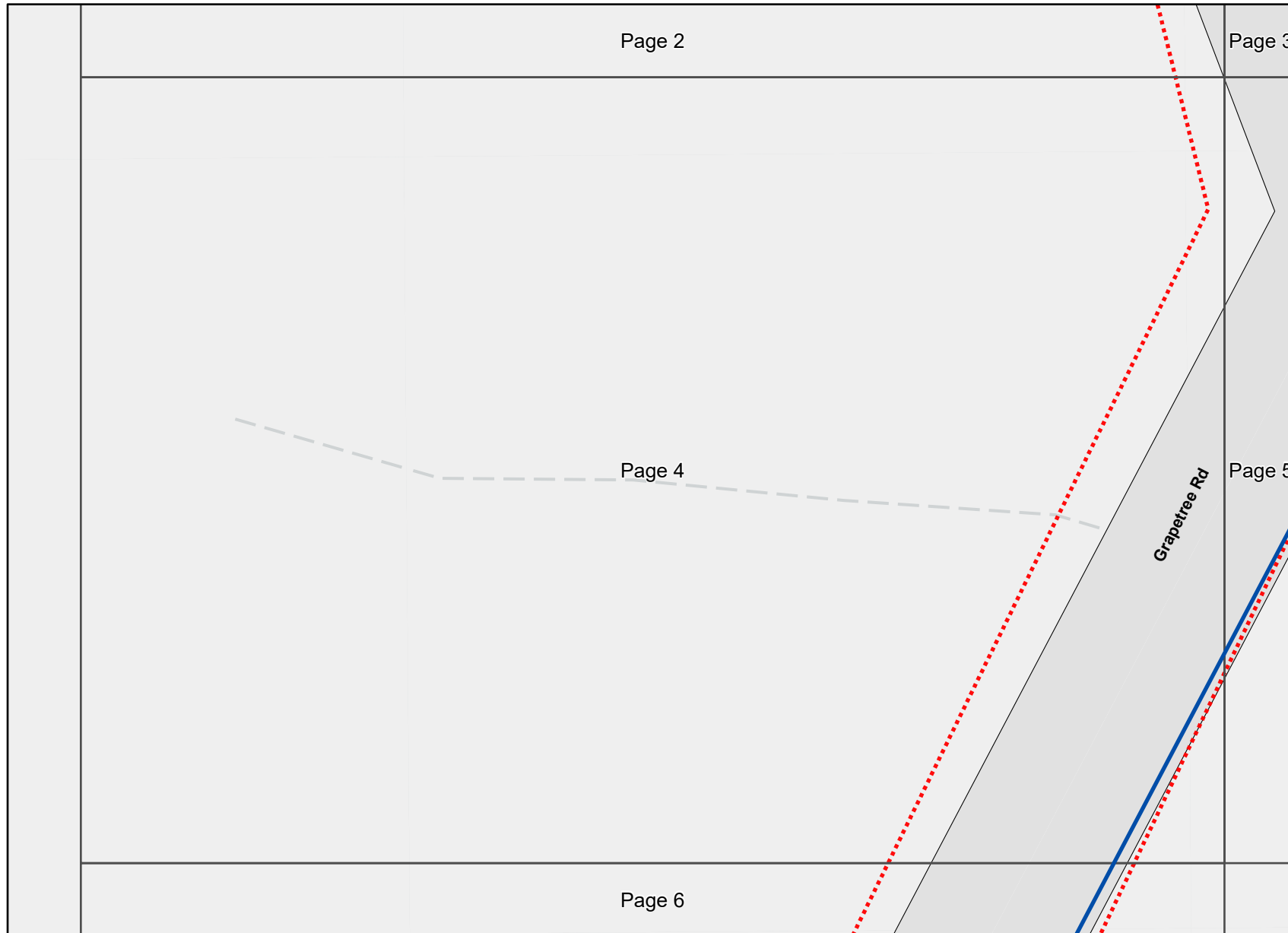
- ⋯ BYDA Enquiry Area
- Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



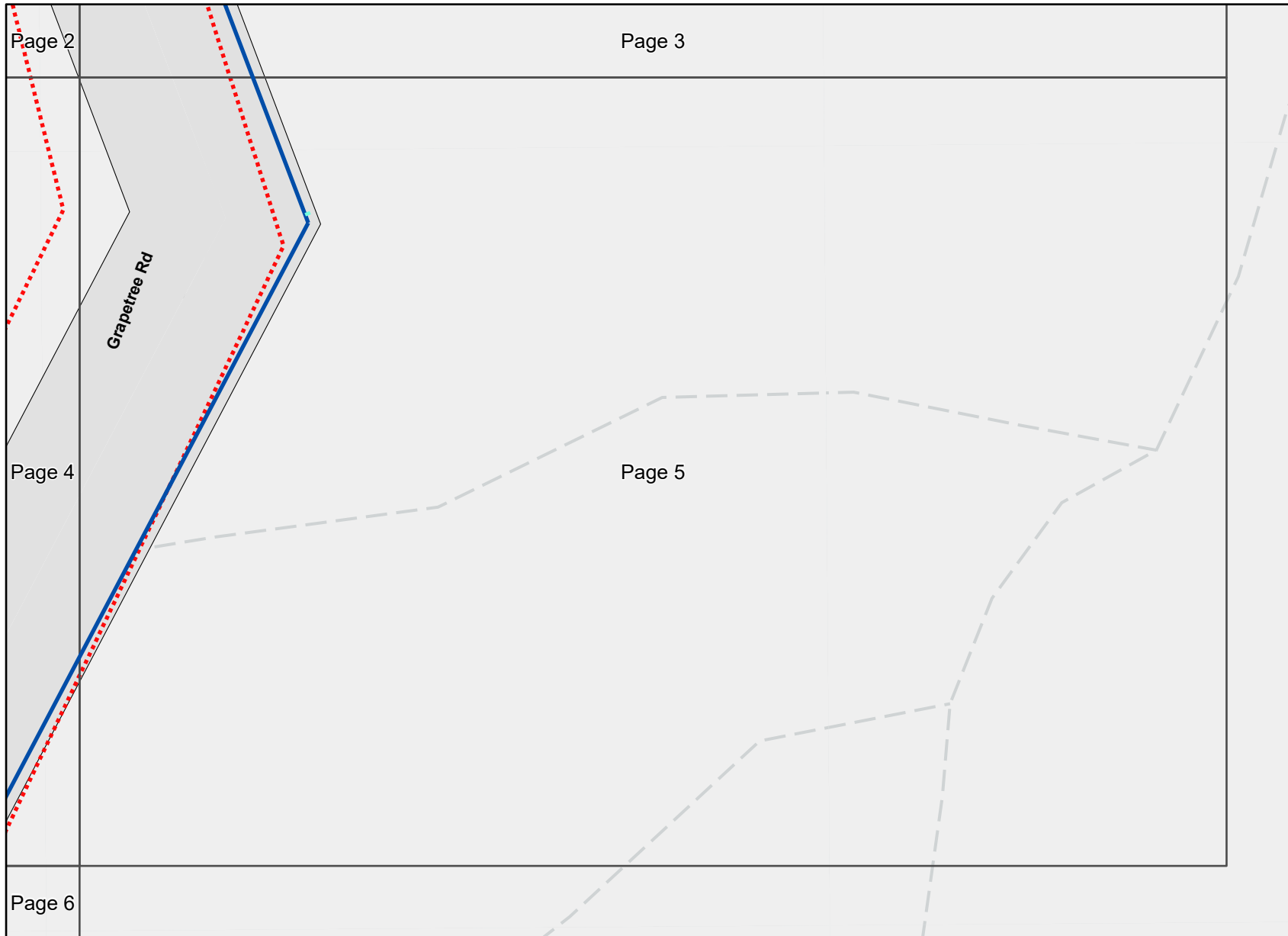
- Legend**
- ⋯ BYDA Enquiry Area
 - Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information **MUST** be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



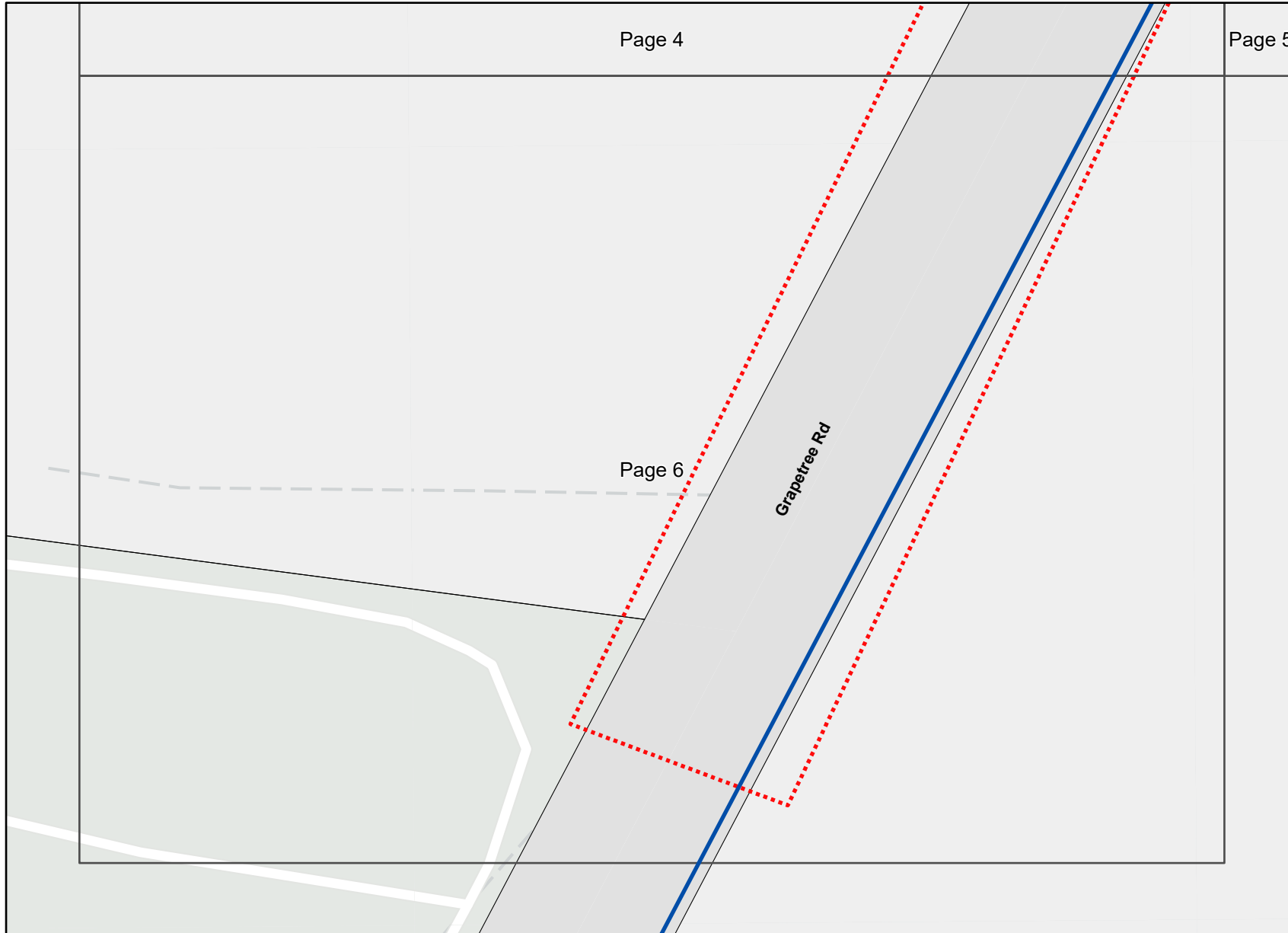
- Legend**
- ⋯ BYDA Enquiry Area
 - Scour Pipe
 - Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



- Legend**
- ⋯ BYDA Enquiry Area
 - Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information **MUST** be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.

Disclaimer

1. This Plan/Information is provided for reference purposes in response to an underground infrastructure enquiry.
2. **This response does not provide approval to carry out any works. You may still need to contact the appropriate Toowoomba Regional Council department and/or QLD Government Department of Natural Resources, Mines and Energy (DNRME) to obtain approval and permits.**
3. The permission granted by Council to provide the Plan/Information is subject to the following:
 - 3.1. Council does not warrant that the Information is accurate or complete, and provides no assurances in this regard;
 - 3.2. Third Parties shall conduct their own investigations and/or enquiries regarding the accuracy and completeness of the Information;
 - 3.3. Council does not warrant that a third party shall not infringe upon the intellectual property rights of other third party should it publish or reproduces the Information;
 - 3.4. neither Council nor its agents, officers, Councillors, servants, employees or representatives shall be liable for any damages or losses (whatsoever and however arising) suffered by any third party should the Information be published, reproduced or relied upon by a third party;
 - 3.5. Any Third Party releases and indemnifies Council and its agents, officers, Councillors, servants, employees and representatives from and against all actions whatsoever, which may be brought or made against any of them, by any person, arising from or in any way related to the reproduction of the Information, publication of the Information or reliance upon the Information; and
 - 3.6. The permission to reproduce the Information does not, and shall not be interpreted as constituting the grant of any intellectual property rights in the Information.
 - 3.7. For the avoidance of doubt, Council expressly reserves all of its rights.

Duty of Care

4. The enclosed Plan/Information should be used as a reference only; it indicates the presence of underground infrastructure in the general vicinity of the proposed works. It is the applicant's responsibility to ensure that precise location of underground infrastructure is determined. All underground infrastructure in the vicinity of the proposed works must be located prior to the commencement of work.

Important General Information about Underground Infrastructure**5. Underground Infrastructure**

- 5.1. Toowoomba Regional Council's underground infrastructure comprises:
 - 5.1.1. Sewer (wastewater) infrastructure, including but not limited to sewerage pipes and access chambers;
 - 5.1.2. Stormwater infrastructure, including but not limited to drainage pipes, drainage inlet structures, access chambers;
 - 5.1.3. Water infrastructure, including but not limited to water pipes and fittings; and
 - 5.1.4. Electrical and communication infrastructure in the central business district (CBD), and at road intersections. Please note that electrical and communication infrastructure information is not stored digitally. For further information on this infrastructure please call 131 TRC (131 872) for plans. Fees and charges may apply*.
- 5.2. Toowoomba Regional Council does not own or control the location of other underground infrastructure including but not limited to: Telstra, Ergon, National Broadband Network, and Energex.

6. Plan/Information

- 6.1. The enclosed plan/information covers Toowoomba Regional Council's underground infrastructure in the vicinity of proposed works. If this map does not cover the full extent of the area of proposed works please contact us on 131 TRC (131 872). Housing Connection Plans (HCP) for domestic (internal to the property boundary) sewer drainage infrastructure must be obtained separately from the Plumbing and Drainage section of the Toowoomba Regional Council by contacting 131 TRC (131 872). Fees and charges apply*. Location information for water pipe connections from water meters to a dwelling/structure are not available.

7. Locating Underground Infrastructure

- 7.1. If you require further assistance locating Council's underground infrastructure, please contact 131 TRC (131 872) for more information.

8. Your Responsibility

- 8.1. Visually locate Toowoomba Regional Council underground infrastructure by hand digging where construction activities may damage or interfere with Toowoomba Regional Council underground infrastructure.
- 8.2. On receipt of plans/information, and before commencing works in the vicinity of Toowoomba Regional Council underground infrastructure, carefully locate the infrastructure by using the abovementioned method.
- 8.3. Council Parks and Recreation branch should be contacted on 131 TRC (131 872) to make arrangements to minimize damage to tree roots.
- 8.4. Other relevant authorities should be contacted for locating their infrastructure.
- 8.5. Notification should be given to residents affected by work before commencement.
- 8.6. If an electronic cable locator is used, hand excavation to the depth of the underground infrastructure must be done in advance to the use of excavators.
- 8.7. Any damage to Council's infrastructure must be promptly reported to Toowoomba Regional Council by phoning 131 TRC (131 872).
- 8.8. Any damage to council assets shall be repaired or reinstated by Toowoomba Regional Council at the applicants cost to the appropriate Council Standard.
- 8.9. Toowoomba Regional Council may elect to carry out rectification/reinstatement works itself because of public safety, continuity of service or for other reason(s). In such circumstances, the cost of such repairs will be recovered from the applicant.
- 8.10. For all work within 2.5 metres of nominal location, you are required to hand dig (pothole) and expose the underground infrastructure, proving its exact location before work can commence.

Where works impact on road users, a traffic control plan shall be submitted to Council for consideration prior to works commencing. Depending on the impact of such works, certain conditions may be imposed, i.e. Day/time of works.

For more information including inverts and size queries please refer to our Toowoomba Regional Council website (www.tr.qld.gov.au) and access the online maps section.

For Further Enquiries & Onsite Surface Locations for TRC underground infrastructure, please phone 131 TRC (131 872)

*Council's Fees and Charges can be accessed at www.tr.qld.gov.au or by calling 131 TRC (131 872)



End of document

i This document may exclude some files (eg. DWF or ZIP files)

This document was automatically generated at a point-in-time. Be aware that the source information from which this document was created may have changed since it was produced. This document may contain incomplete or out-of-date information. Always check your enquiry details in the BYDA Referral Service for the most recent information. For copyright information refer to individual responses.

Lot 3 Grapetree Road



[Review responses online](#) ↗



Received 3 of 3 responses
All responses received

Lot 3 Grapetree Road, Pechey QLD 4352

Job dates
25/03/2026 → 25/03/2026

These plans expire on
20 Apr 2026

Lodged by
Skye Melton

Authority	Status	Page
BYDA Confirmation		2
Ergon QLD	Received	4
Telstra QLD Regional	Received	45
Toowoomba Regional Council	Received	53

Contact Details

Contact	Contact number	Company	Enquirer ID
Skye Melton	0467 721 404	Range Environmental Consultants	3401075
Email		Address	
skye.melton@rangeenviro.com.au		189 Hume Street Toowoomba City QLD 4350	

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	Start date	End date	On behalf of	Job purpose	Locations	Onsite activities
24/03/2026	25/03/2026	25/03/2026	Toowoomba Regional Council	Design	Both Road, Nature Strip, Footpath	Planning & Design



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	Address	Notes/description
Lot 3 Grapetree Road	Lot 3 Grapetree Road Pechey QLD 4352	-

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
270218173	Ergon QLD	13 10 46	NOTIFIED
270218174	Telstra QLD Regional	1800 653 935	NOTIFIED
270218172	Toowoomba Regional Council	13 18 72	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.



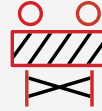
Prepare

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

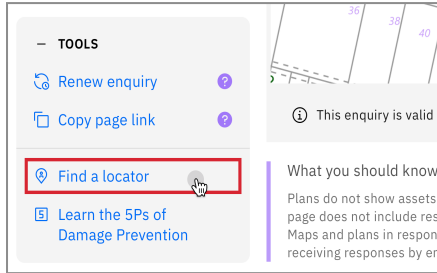
Protecting and supporting the exposed infrastructure is the responsibility of the excavator. Always erect safety barriers in areas of risk and enforce exclusion zones.



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 isseekplant'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 isseekplant to find trusted contractors near you today, visit:
blog.isseekplant.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

Referral

270218173

Member Phone

13 10 46

Responses from this member

Response received Tue 24 Mar 2026 10.00am

File name	Page
Response Body	5
270218173 - Ergon Energy Plan.pdf	8
Ergon Energy BYDA Terms and Conditions.pdf	9
Working Near Overhead and Underground Electric Lines.pdf	14

No Assets Recorded

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.

Our search has revealed within the nominated search area, ERGON ENERGY NETWORK does not have any Assets recorded.

A detailed plan has not been provided.

You: **BYDA Enquiry No:**

Skye Melton 270218173

Company: **Date of Response:**

Range Environmental Consultants 24 Mar 2026

Search Location: **Period of Plan Validity:**

Lot 3 Grapetree Road
Pechey,
QLD 4352 4 Weeks

External Comments (if any):

**WARNING: When working in the vicinity of ERGON ENERGY NETWORK 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 ERGON ENERGY NETWORK on **13 16 70**.
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 ERGON ENERGY NETWORK are only an indication of the presence of 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 ERGON ENERGY NETWORK do not encompass ERGON ENERGY NETWORK overhead Assets.
6. ERGON ENERGY NETWORK, 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 ERGON ENERGY NETWORK 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 Assets caused by works pursuant to or in any way connected with this BYDA Request.
8. In addition to Assets marked on attached plan, there could be underground earth conductors, underground substation 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 ERGON ENERGY NETWORK 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 via the [Certified Locator website](#) with LV Cable (up to 1kV), HV Cable (1kV-<33kV) & HV cable (33kV and over) displayed.
10. The ERGON ENERGY NETWORK Before You Dig Australia (BYDA) information map(s) provide the vicinity of Assets and will not be adequate for conveyancing purposes. A Request for Search (Property Search) can be arranged through ERGON ENERGY NETWORK.
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 ERGON ENERGY NETWORK 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 ERGON ENERGY NETWORK BDYA team on the details listed below.
13. ERGON ENERGY NETWORK 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 risks in the workplace Code of Practice 2021 \(worksafe.qld.gov.au\)](#)
 - [Excavation work Code of Practice 2021 \(worksafe.qld.gov.au\)](#)

General enquiries (7:00am - 5:30pm Mon to Fri) **13 74 66**
Life threatening emergencies only triple zero (000) or **13 16 70**

E: byda@energyq.com.au

ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Part of Energy Queensland

Disclaimer: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither ERGON ENERGY NETWORK 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: 270218173
Date: 24/03/2026

Scale: 1:2548
Tile No: **OVERVIEW**

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 Ergon Energy Network 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.



Responsibilities – (When Working in the Vicinity of Ergon Energy Network Asset)

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

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 is 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 Ergon Energy Network to ensure compliance with the [Electrical Safety Act 2002](#)

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au

ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



The following matters must be considered when working near Ergon Energy Network Asset:

1. 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](#)).
2. 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 Ergon Energy Network Assets.
3. It is the constructor's responsibility to:
 - a) Anticipate and request plans of Ergon Energy Network Assets for a location at a reasonable time before construction begins.
 - b) Visually locate Ergon Energy Network Assets by hand or vacuum excavation where construction activities may damage or interfere with Ergon Energy Network Assets.
 - c) To notify Ergon Energy Network if the information provided is found to be not accurate or Assets are found on site that are not recorded on the Ergon Energy Network 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

4. 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 Ergon Energy Network 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 Ergon Energy Network Assets under the roadways. In no case should the constructor rely on statements of third parties in relation to the position of Ergon Energy Network Assets. It is the applicant's responsibility to accurately locate all services as part of the design and/or prior to excavation.
- Ergon Energy Network does not provide information on private underground installations, including consumers' mains that may run from Ergon Energy Network mains onto private property. Assets located on private property are the responsibility of the owner for identification and location.
- Ergon Energy Network 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:
 - [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 manage and control asbestos Code of Practice 2021 \(WHSQ\)](#)
- Plans provided by Ergon Energy Network are not guaranteed to show the presence of above ground Assets.
- In addition to underground cables marked on attached plan, there could be underground earth conductors, underground substation 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 ERGON ENERGY NETWORK 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 [s 304] 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 and 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>
- Ergon Energy Network plans are designed to be printed in colour and as an A3 Landscape orientation

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](#)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Conditions – (When Working in the Vicinity of Ergon Energy Network Asset)

Records:

The first step before any excavation commences is to obtain records of Ergon Energy Network Assets in the vicinity of the work. For new work, records should be obtained during the planning and design stage. The records provided by Ergon Energy Network 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 Ergon Energy Network 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.

Ergon Energy Network retains copyright of all plans and details provided in connection with Your request.

Ergon Energy Network 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 Ergon Energy Network'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 Ergon Energy Network on the General Enquiries number listed below for further advice.

Ergon Energy Network, 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 Ergon Energy Network against any claim or demand for any such loss or damage.

The constructor is responsible for all Asset damages when works commence prior to obtaining Ergon Energy Network 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 Ergon Energy Network.

Ergon Energy Network reserves all rights to recover compensation for loss or damage caused by interference or damage, including consequential loss and damages to its cable network, or other property.

NOTE: Where Your proposed work location contains ERGON ENERGY NETWORK Underground cables please access the [ERGON ENERGY NETWORK 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 Asset 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 Ergon Energy Network 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 Ergon Energy Network on the General Enquires number listed below for further advice.

If the constructor is unable to locate Ergon Energy Network underground Assets within 5 metres of nominal plan locations, they must contact the Ergon Energy Network 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 cables as if alive, post a person to keep all others clear of the excavation until Ergon Energy Network 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 Ergon Energy Network officer.

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Asset Installation Methods:

Ergon Energy Network 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 2.5m 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 Ergon Energy Network Assets, then hand or vacuum excavation (potholing) at least every 4m is required to establish the location of all Assets, hence confirming nominal locations before work can commence. *Generally, there is no restriction to excavations parallel to Ergon Energy Network Assets to a depth not exceeding that of the Asset. **Note: Asset 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 Ergon Energy Network 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 Ergon Energy Network/council to obtain specific separation distances							

Table 2. Minimum Separation Requirements for Underground Services Crossing Ergon Energy Network 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 cables will be exposed or unsupported, then Ergon Energy Network shall be contacted to determine whether the cables 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 Ergon Energy Network authorised representative. Protective cover strips when removed must be replaced under Ergon Energy Network supervision. Under no circumstances shall they be omitted to allow separation between Ergon Energy Network Assets and other services.

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au



Heavy Machinery Operation Over Assets:

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

Directional Boring Near Cables:

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 Assets before using boring machinery. Where it is required to bore across the line of Assets, the actual location of the Assets 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 Assets 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 Ergon Energy Network's Planning Engineer for use of explosives in the vicinity of Ergon Energy Network Assets.

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 cables as if alive, post a person to keep all others clear of the excavation until Ergon Energy Network 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 Ergon Energy Network officer.

Solutions and Assistance:

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

If Ergon Energy Network relocation or protection works are part of the agreed solution, then payment to Ergon Energy Network for the cost of this work shall be the responsibility of the PCBU, principal developer or constructor. Ergon Energy Network 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 Ergon Energy Network with a written Safe Work Method Statement for all works in the vicinity of or involving Ergon Energy Network Asset. 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)

Vacuum Excavations (Hydro Vac)

When operating hydro vac equipment to excavate in vicinity of 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 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 ERGON ENERGY NETWORK when working close to Ergon Asset's. For Safety Advice please contact SafetyAdvice@energyq.com.au

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

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

General enquiries (7:00am - 5:30pm Mon to Fri) 13 74 66
Life threatening emergencies 000 or [13 16 70](tel:131670)

E: safetyadvice@ergon.com.au

E: byda@energyq.com.au ABN: 40 078 849 055

To re-submit or change the nominated search area please visit BYDA.com.au





Part of Energy Queensland

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

Electricity Entity Requirements - Working Near Overhead and Underground Electric Lines

CONTENTS

1. Purpose and Scope.....	3
2. Definitions, Abbreviations and Acronyms	3
3. References	4
4. About This Guide	5
4.1. Who does the Electrical Safety Code of Practice 2020 - Working Near Overhead and Underground Electric Lines and Electricity Entity Requirements apply to?	5
4.2. Are you working or planning to work near overhead or underground electric lines?	6
4.3. Obtaining Safety Advice	8
4.4. Authorised Person and how to become one?	9
4.5. Contacting Electricity Entity for Safety Advice or Authorised Person Enquiries	10
5. Overhead Electric Lines	10
5.1. Isolation of supply to customer installation to eliminate exclusion zone around LV service line	13
5.2. Operating Plant	13
5.3. Scaffolding Requirements	14
5.4. High Load transport under Overhead Electric Lines	16
5.5. Additional Details and Fact Sheets on Electricity Entity Requirements	17
6. Underground Electrical Assets	17
6.1. Responsibilities When Working in the Vicinity of Electricity Entity Underground Electrical Assets	17
6.2. Conditions of Supply of Information.....	18
6.3. When Working in the Vicinity of Electricity Entity Underground Electrical Assets, You Must Observe the Following Conditions	19
6.4. Additional Details and Fact Sheets on Electricity Entity Requirements	21
7. Excavation	22
7.1. Excavating near Poles and Stay Wires	22
7.2. Excavating Near Underground Electrical Assets	24
7.3. Blasting.....	25
8. Reporting Damage Caused to Overhead or Underground Electric Lines	25
9. Infrastructure near Electric Lines	26
9.1. Easements and Wayleaves.....	26
9.2. Contact Electricity Entity when planning construction work near electric lines	27
9.3. What clearances must be maintained once construction work is completed?	28
9.4. What about Electric and Magnetic Fields?	31

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> • General Enquiries - ph 13 12 53 • Loss of Supply - ph 13 62 62 • Emergencies - ph 13 19 62 <u>Ergon Energy:</u> • 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	A safety observer or “spotter”, for the operation of operating plant, means a person who: (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. 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.
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.

To the extent permitted by law, Energex and Ergon Energy will not be responsible for any loss, damage or costs incurred as a result of any errors, omissions or misrepresentations in relation to the material in this document or for any possible actions ensuing from information contained in the document.

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

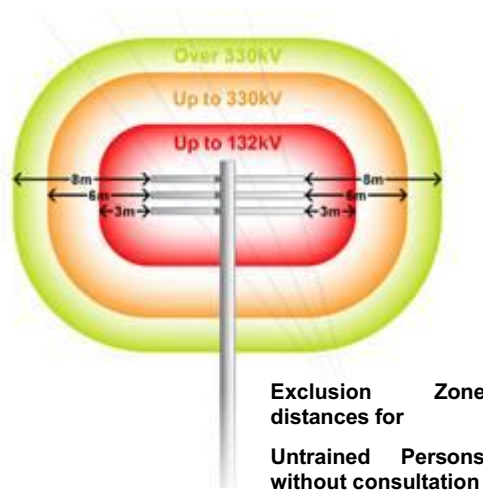
An exclusion zone is a safety envelope around an overhead electric line. No part of a worker, operating plant or vehicle should enter an exclusion zone while the overhead electric line is energised (live).

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	Isolation of overhead or underground service by removal of the service fuse(s). (Preferred option to isolate supply and eliminate the exclusion zone).	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.	Cost to customer.
Insulation integrity verification	3. Verification of insulation integrity to reduce exclusion zone to no exclusion zone prescribed e.g. no contact permitted	Verification of insulation integrity to classify as insulated service - Insulation integrity can only be verified at the time of inspection - visual inspection is required before confirmation in all cases. When service insulation integrity verified - no exclusion zone prescribed e.g. no contact permitted. (Can only be performed by the Entity)	Cost to customer.
Service replacement	4. Open wire service, service fuse(s) at house/building	Replacement of service with new XLPE service cable and service fuse(s) installed at origin (pole end) of service to allow isolation of service. Insulation integrity can be verified for new XLPE services at the time of installation - visual inspection is required before confirmation.	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
		Service installations where: a. the consumer's mains cannot be insulated and an exclusion zone must be maintained, and b. the service cannot be isolated at the service fuse. 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.	Nil cost to customer for first disconnection and reconnection. Cost to customer for subsequent requests.
	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.	Cost to customer for service replacement. Customer responsible for necessary installation, Mains Connection Box and service support bracket upgrade and associated costs if required.
Tiger Tails	Installation of Tiger Tails (for visual indication only - not for providing electrical insulation of LV mains)	Customer requested coverage of LV mains for visual indication only (not permitted on HV mains). The Entity may also fit tiger tails to LV service line for visual indication only.	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.

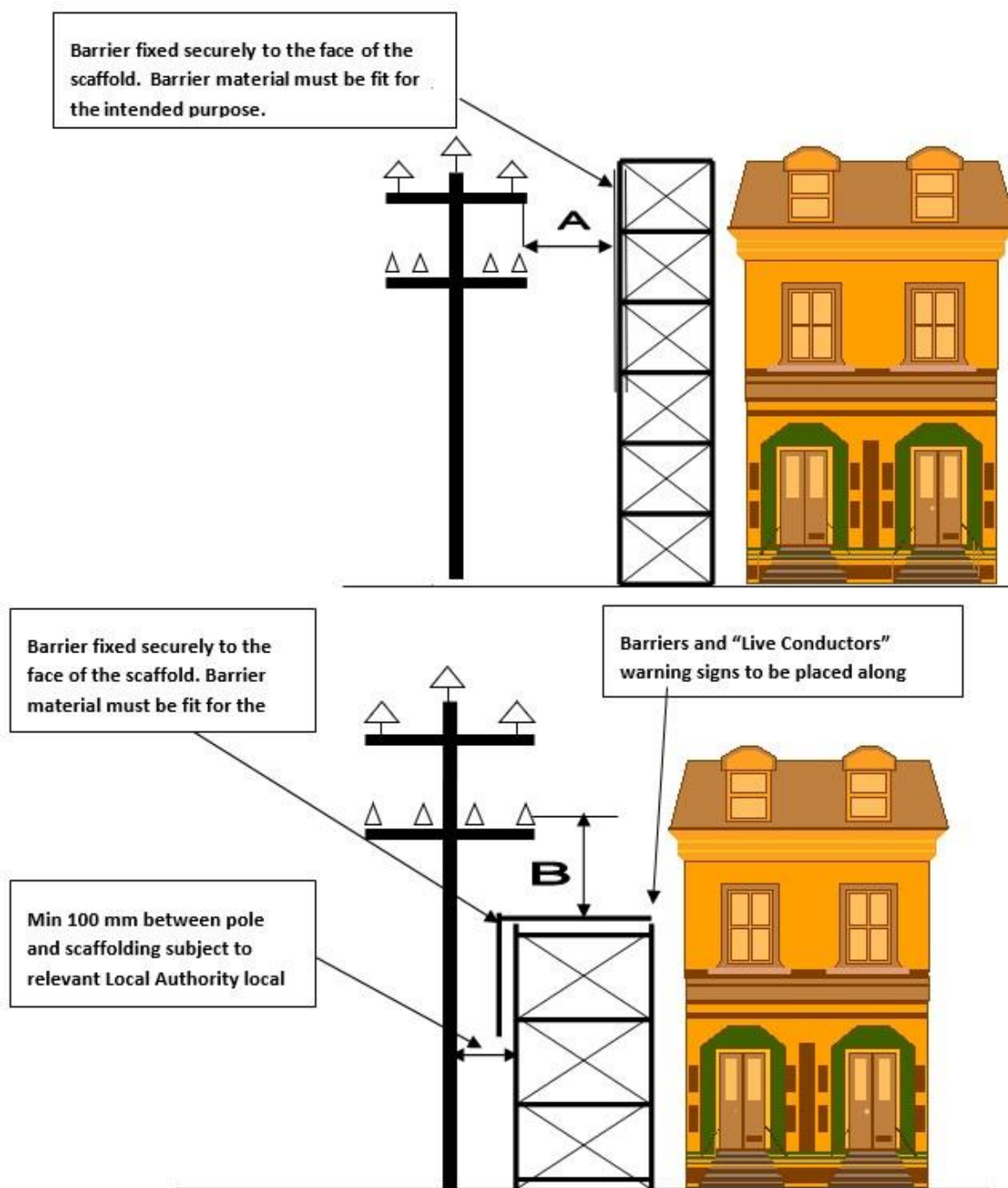
Where an insulated low voltage service line passes through the scaffolding, it should either be de-energised for duration of work or be fully enclosed by non-conductive material (e.g. form ply).

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	500	*1000	500	1000	500
HV	250 (Energex)	300					
*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.

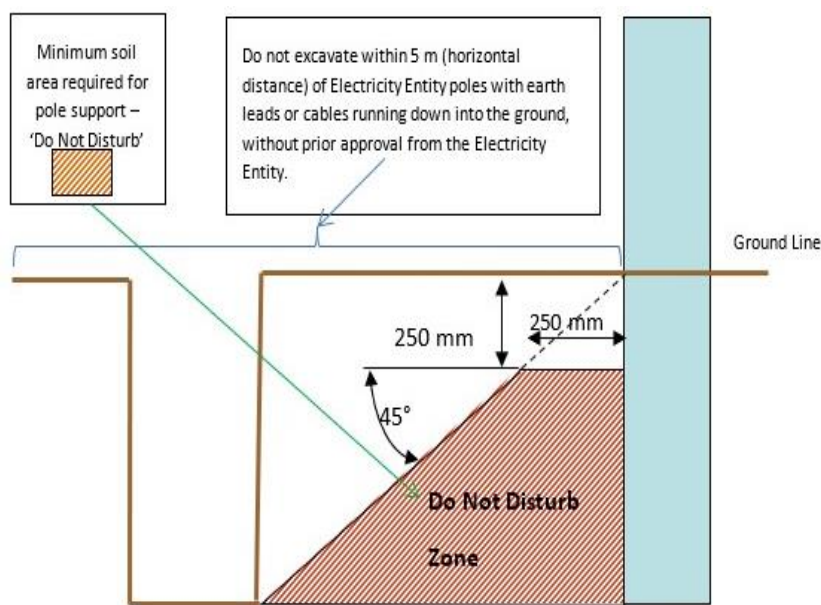


Figure 1 - Do Not Disturb Zone requirements when excavating near poles

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 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.

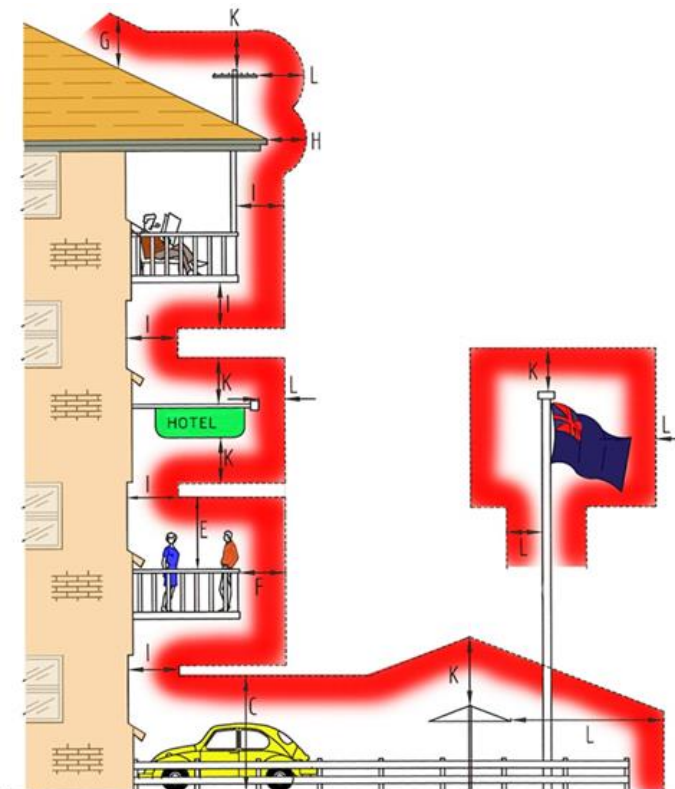
NOTE: Do not assume that your local council approval is sufficient approval for you to proceed with your work. The local council may not check whether or not your proposed construction work will comply with the Electricity Entity's statutory clearance requirements.

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.

<i>What is PERMITTED around Electricity Entity overhead or underground electric lines</i>	<i>What is NOT PERMITTED around Electricity Entity overhead or underground electric lines</i>
✓ 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. ✓ Clothes hoists and barbecues should be located clear of the vehicle access way. Note: Maximum Height 2.5 m. ✓ 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. ✓ Excavating, filling and altering of nearby land may be acceptable but full details need to be provided to the Electricity Entity for assessment. ✓ 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. ✓ 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.	✗ Build houses, sheds, garages or other large structures. Building of roofed/unroofed verandas, swimming pools and pergolas are generally not acceptable. ✗ Flying kites or model aircraft within the easement. ✗ Driving fence posts or stakes into ground within easements where there is underground cabling. ✗ Storing liquids such as petrol, diesel fuel, or any flammable or combustible material that will burn. ✗ Installing lighting poles. ✗ Stockpiling soil or garbage within the easement. ✗ Planting trees in large quantities that could create a fire hazard or that grow in excess of the approved maximum height of 3 m. ✗ Storing or using explosives. ✗ Residing in or occupying any caravan or mobile home within an easement. ✗ 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.

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
270218174

Member Phone
1800 653 935

Responses from this member

Response received Tue 24 Mar 2026 10.46am

File name	Page
Response Body	46
270218174.pdf	47
AccreditedPlantLocators 2025-01-08a.pdf	49
Telstra Duty of Care v32.0c.pdf	50
Telstra Map Legend 4.0b.pdf	52

Attention: Skye Melton

Site Location: Lot 3 Grapetree Road, Pechey, QLD 4352

Your Job Reference: Lot 3 Grapetree Road

Please do not reply to this email, this is an automated message -

Thank you for requesting Telstra information via Before You Dig Australia (BYDA).

This response contains Telstra information relating to your recent BYDA request.

Please refer to all enclosed attachments for more information.

Information for opening Telstra Asset Plans as well as some other useful contact information is noted in the attached documents.

Report Damage to Telstra Equipment: [Report damages to Telstra equipment - Telstra](#)

Please note:

When working in the vicinity of telecommunications plant you have a 'Duty of Care' that must be observed.

Ensure you read all documents (attached) - they contain important information.

Please also refer to the **Before you Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation**

<https://www.byda.com.au/before-you-dig/best-practice-guides/>, The essential steps that must be undertaken prior to commencing construction activities.

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 them. 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 assets prior to commencing work. A Certified Locating Organisation is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works.

See the **Before You Dig Australia - BEST PRACTISE GUIDES and The five Ps of safe excavation**

<https://www.byda.com.au/before-you-dig/best-practice-guides/>.

Please note that:

- it is a criminal offence under the *Criminal Code Act* 1995 (Cth) to tamper or interfere with telecommunications infrastructure.
- Telstra will take action to recover compensation for damage caused to property and assets, and for interference with the operation of Telstra's networks and customers' services.

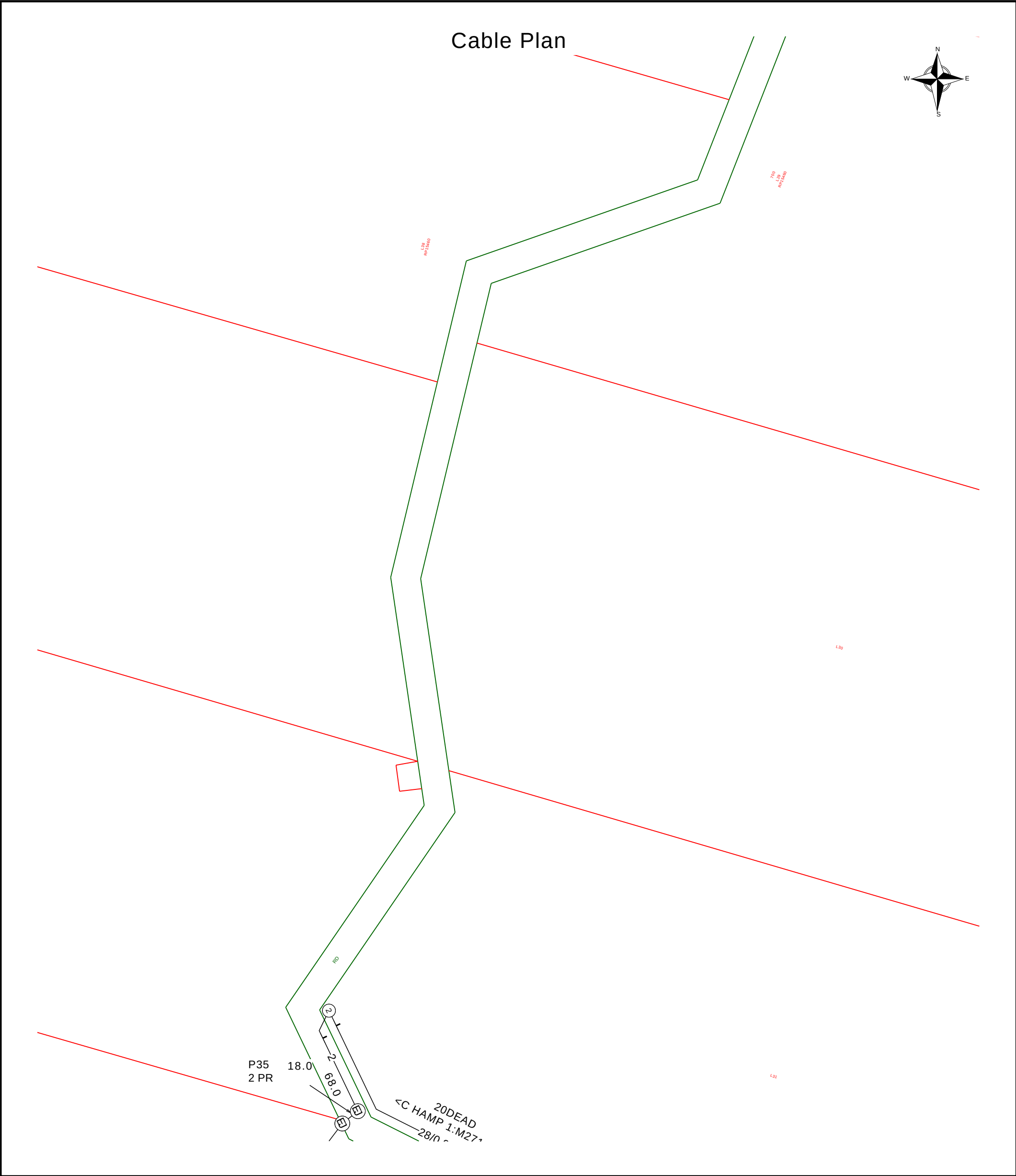
Telstra's plans contain Telstra's confidential information and are provided on the basis that they are used solely for identifying the location or vicinity of Telstra's infrastructure to avoid damage to this infrastructure occurring as part of any digging or other excavation activity. You must not use Telstra's plans for any other purpose or in a way that will cause Telstra loss or damage and you must comply with any other terms of access to the data that have been provided to you by Telstra (including Conditions of Use or Access).

(See attached file: Telstra Duty of Care v32.0c.pdf)

(See attached file: Telstra Map Legend 4.0b.pdf)

(See attached file: AccreditedPlantLocators 2025-01-08a.pdf)

(See attached file: 270218174.pdf)



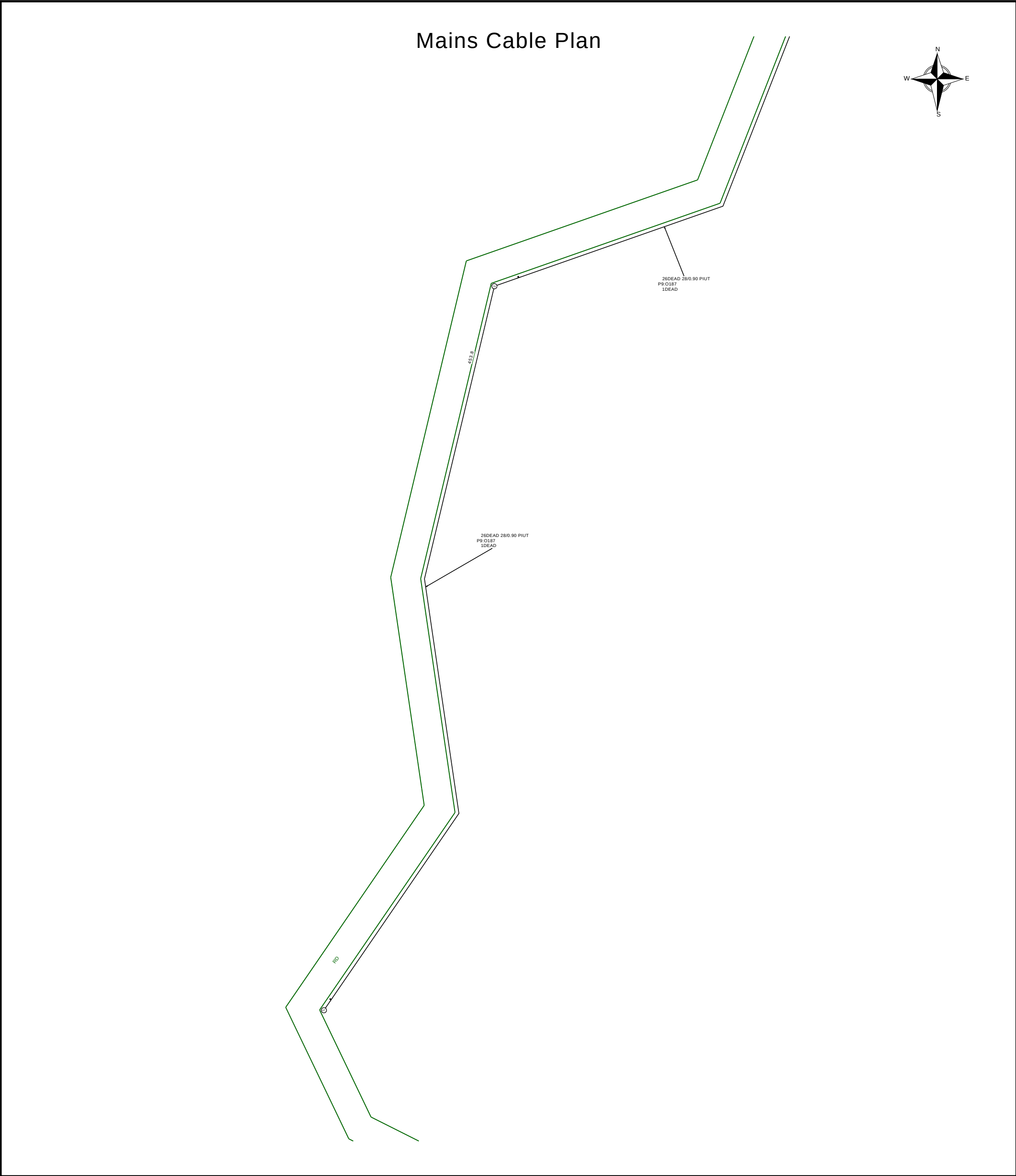
	Report Damage: https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra- Ph - 13 22 03 Email - Telstra.Plans@team.telstra.com Planned Services - ph 1800 653 935 (AEST bus hrs only) General Enquiries	Sequence Number: 270218174
	TELSTRA LIMITED A.C.N. 086 174 781	Please read Duty of Care prior to any excavating
	Generated On 24/03/2026 11:26:45	

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.

Page 1 of 2



	Report Damage: https://service.telstra.com.au/customer/general/forms/report-damage-to-telstra-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: 270218174
	TELSTRA LIMITED A.C.N. 086 174 781	Please read Duty of Care prior to any excavating
	Generated On 24/03/2026 11:26:46	

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.

Page 2 of 2

Before you Dig Australia – BEST PRACTISE GUIDES

The five Ps of safe excavation

<https://www.byda.com.au/before-you-dig/best-practice-guides/>

OPENING ELECTRONIC MAP ATTACHMENTS –

Telstra Cable Plans are generated automatically in either PDF or DWF file types.
Dependent on the site address and the size of area selected.
You may need to download and install free viewing software from the internet e.g.



DWF Map Files (all sizes over A3)
Autodesk Viewer (Internet Browser) <https://viewer.autodesk.com/> or
Autodesk Design Review <http://usa.autodesk.com/design-review/> for
DWF files. (Windows PC)



PDF Map Files (max size A3)
Adobe Acrobat Reader <http://get.adobe.com/reader/>



Telstra BYDA map related enquiries email Telstra.Plans@team.telstra.com
1800 653 935 (AEST Business Hours only)



REPORT ANY DAMAGE TO THE TELSTRA NETWORK IMMEDIATELY

Report online - <https://www.telstra.com.au/forms/report-damage-to-telstra-equipment>

Ph: 13 22 03

If you receive a message asking for a phone or account number say:
“I don’t have one” then say “Report Damage” then press 1 to speak to an operator.



Telstra New Connections / Disconnections
13 22 00



Telstra asset relocation enquiries: 1800 810 443 (AEST business hours only).
NetworkIntegrity@team.telstra.com
<https://www.telstra.com.au/consumer-advice/digging-construction>



Telstra Aerial Assets Group (overhead network)
1800 047 909



CERTLOC Certified Locating Organisation (CLO)
certloc.com.au/locators/

Only Telstra authorised personnel and CERTLOC Locators can access Telstra’s Pit and Pipe Network.

Before You Dig Australia

Think before you dig

This document has been sent to you because you requested plans of the Telstra network through Before You Dig Australia (BYDA).

If you are working or excavating near telecommunications cables, or there is a chance that cables are located near your site, you are responsible to avoid causing damage to the Telstra network.

Please read this document carefully. Taking your time now and following the BYDA's Best Practices and 5 Ps of Safe Excavation <https://www.byda.com.au/before-you-dig/best-practice-guides/>

can help you avoid damaging our network, interrupting services, and potentially incurring civil and criminal penalties.

Our network is complex and working near it requires expert knowledge. Do not attempt these activities if you are not qualified to do so.

Disclaimer and legal details



*Telstra advises that the accuracy of the information provided by Telstra conforms to Quality Level D as defined in AS5488-2013.

It is a criminal offence under the Criminal Code Act 1995 (Cth) to tamper or interfere with telecommunications infrastructure.

Telstra will also take action to recover costs and damages from persons who damage assets or interfere with the operation of Telstra's networks.

By receiving this information including the indicative plans that are provided as part of this information package you confirm that you understand and accept the risks of working near Telstra's network and the importance of taking all the necessary steps to confirm the presence, alignments and various depths of Telstra's network. This in addition to, and not in replacement of, any duties and obligations you have under applicable law.

When working in the vicinity of a telecommunications plant you have a "Duty of Care" that must be observed. Please read and understand all the information and disclaimers provided below.

The Telstra network is complex and requires expert knowledge to interpret information, to identify and locate components, to pothole underground assets for validation and to safely work around assets without causing damage. If you are not an expert and/or qualified in these areas, then you must not attempt these activities. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers. Construction activities and/or any activities that potentially may impact on Telstra's assets must not commence without first undertaking these steps. Construction activities can include anything that involves breaking ground, potentially affecting Telstra assets.

If you are designing a project, it is recommended that you also undertake these steps to validate underground assets prior to committing to your design.

This Notice has been provided as a guide only and may not provide you with all the information that is required for you to determine what assets are on or near your site of interest. You will also need to collate and understand all information received from other Utilities and understand that some Utilities are not a part of the BYDA program and make your own enquiries as appropriate. It is the responsibility of the entities undertaking the works to protect Telstra's network during excavation / construction works.

Telstra owns and retains the copyright in all plans and details provided in conjunction with the applicant's request. The applicant is authorised to use the plans and details only for the purpose indicated in the applicant's request. The applicant must not use the plans or details for any other purpose.

Telstra plans or other details are provided only for the use of the applicant, its servants, agents, or CERTLOC Certified Locating Organisation (CLO). The applicant must not give the plans or details to any parties other than these and must not generate profit from commercialising the plans or details.

Telstra, 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 Telstra against any claim or demand for any such loss or damage.

Please ensure Telstra plans and information provided always remains on-site throughout the inspection, location, and construction phase of any works.

Telstra plans are valid for 60 days after issue and must be replaced if required after the 60 days.

Data Extraction Fees

In some instances, a data extraction fee may be applicable for the supply of Telstra information. Typically, a data extraction fee may apply to large projects, planning and design requests or requests to be supplied in non-standard formats. For further details contact Telstra Location Intelligence Team.

Telstra does not accept any liability or responsibility for the performance of or advice given by a CERTLOC Certified Locating Organisation (CLO). Certification is an initiative taken by Telstra towards the establishment and maintenance of competency standards. However, performance and the advice given will always depend on the nature of the individual engagement.

Neither the Certified Locating Organisation nor any of its employees are an employee or agent for Telstra. Telstra is not liable for any damage or loss caused by the Certified Locating Organisation or its employees.

Once all work is completed, the excavation should be reinstated with the same type of excavated material unless specified by Telstra.

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.

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

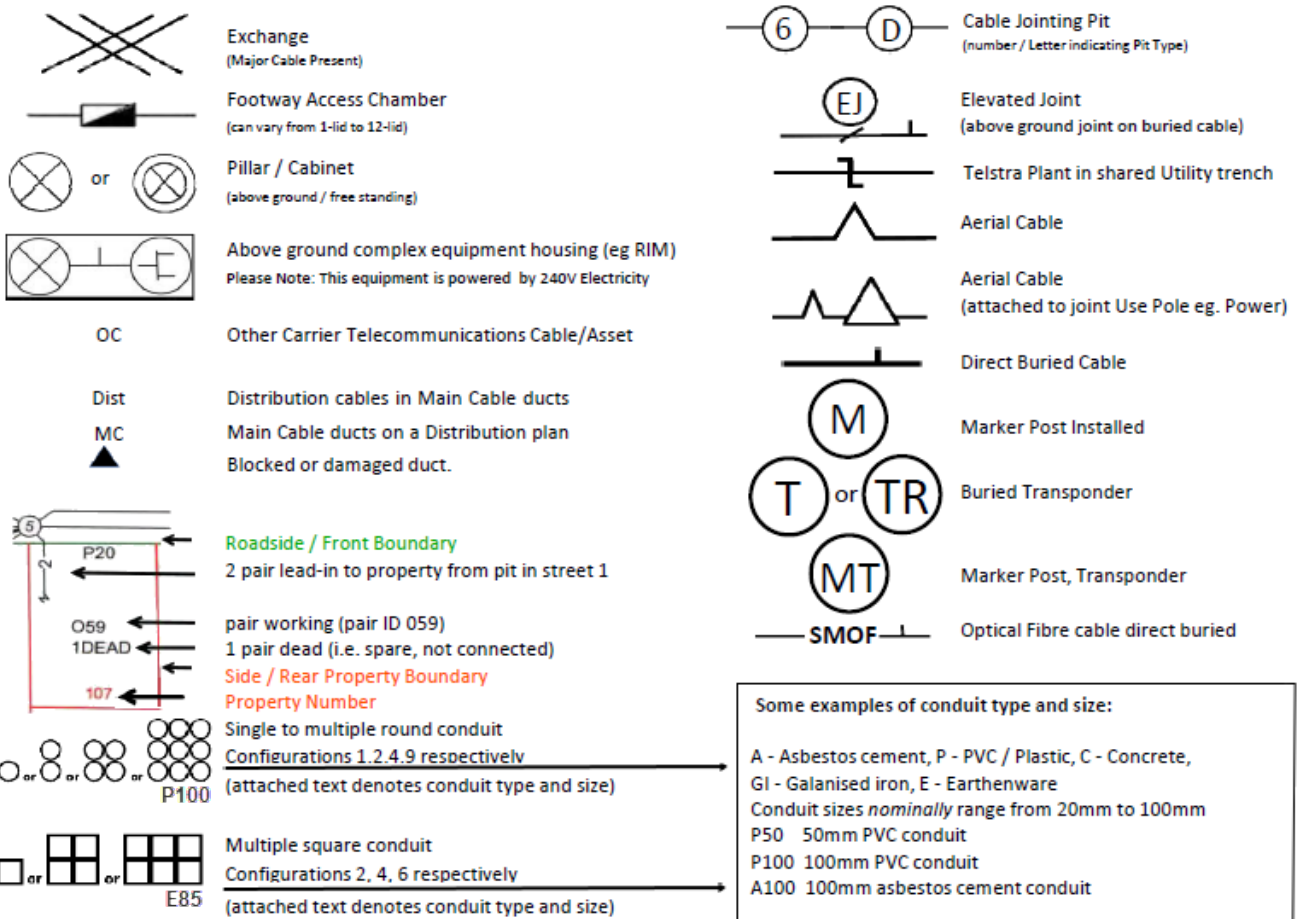
Workers and equipment must maintain safety exclusion zones around power lines

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. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans. **FURTHER ON SITE INVESTIGATION IS REQUIRED TO VALIDATE THE EXACT LOCATION OF TELSTRA PLANT PRIOR TO COMMENCING CONSTRUCTION WORK.** A plant location service is an essential part of the process to validate the exact location of Telstra assets and to ensure the assets are protected during construction works. The exact position of Telstra assets can only be validated by physically exposing them. Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

Privacy Note

Your information has been provided to Telstra by BYDA to enable Telstra to respond to your BYDA request. Telstra keeps your information in accordance with its privacy statement. You can obtain a copy at www.telstra.com.au/privacy or by calling us at 1800 039 059 (business hours only).

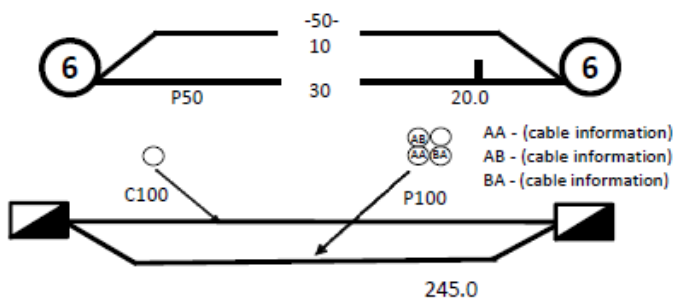
LEGEND



Some examples of conduit type and size:

A - Asbestos cement, P - PVC / Plastic, C - Concrete,
GI - Galvanised iron, E - Earthenware
Conduit sizes *nominally* range from 20mm to 100mm
P50 50mm PVC conduit
P100 100mm PVC conduit
A100 100mm asbestos cement conduit

Some Examples of how to read Telstra Plans



One 50mm PVC conduit (P50) containing a 50-pair and a 10-pair cable between two 6-pits, approximately 20.0m apart, with a direct buried 30-pair cable along the same route

Two separate conduit runs between two footway access chambers (manholes) approximately 245m apart A nest of four 100mm PVC conduits (P100) containing assorted cables in three ducts (one being empty) and one empty 100mm concrete duct (C100) along

Protect our Network:

by maintaining the following distances from our assets:

- 1.0m Mechanical Excavators, Farm Ploughing, Tree Removal
- 500mm Vibrating Plate or Wacker Packer Compactor
- 600mm Heavy Vehicle Traffic (over 3 tonnes) not to be driven across Telstra ducts or plant.
- 1.0m Jackhammers/Pneumatic Breakers
- 2.0m Boring Equipment (in-line, horizontal and vertical)

For more info contact a [CERTLOC Certified Locating Organisation \(CLO\)](#) or
Telstra Location Intelligence Team 1800 653 935

Referral
270218172

Member Phone
13 18 72

Responses from this member

Response received Tue 24 Mar 2026 10.02am

File name	Page
Response Body	54
ASSET 270218172.pdf	55
Disclaimer 270218172.pdf	62

Hello Skye Melton,

Thank you for your Before You Dig enquiry on 24 March 2026.

Sequence Number: **270218172**

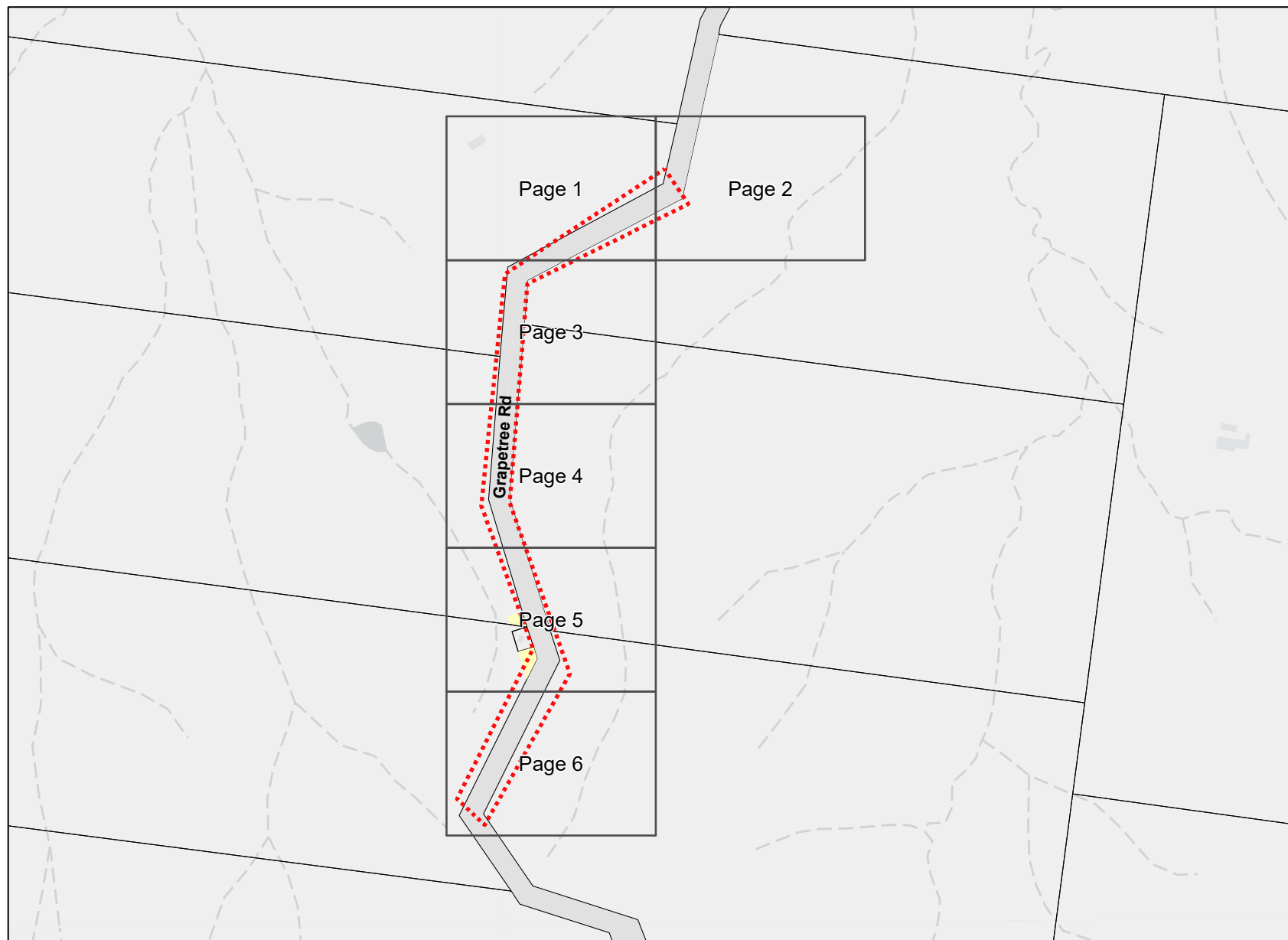
Contact: Skye Melton
Email: skye.melton@rangeenviro.com.au
Phone: 0467 721 404
Fax: -
Mobile: -
Address Lot 3 Grapetree Road
Toowoomba City QLD 4350
Site Address: Lot 3 Grapetree Road
Pechey QLD 4352
Worksite: Road, Nature Strip, Footpath
Activity: Planning & Design

Please find attached the response to your enquiry. Should you have any further questions regards the mapping please contact Toowoomba Regional Council on 131 TRC(872). Alternatively for more information on inverts and size queries please refer to our online mapping service <https://mapping.tr.qld.gov.au/WAB/Infra>

Kind regards,

BYDA Team

This communication, including any attachments, is intended solely for the named addressee. It is confidential and may be subject to legal professional privilege. If you are not the intended recipient, please contact me immediately by reply email, delete it from your system and destroy any copies. This email is subject to copyright, no part of it should be reproduced, adapted or transmitted without the prior written consent of the copyright owner. Any views expressed in this message are those of the individual sender and may not necessarily reflect the views of Toowoomba Regional Council.



Legend

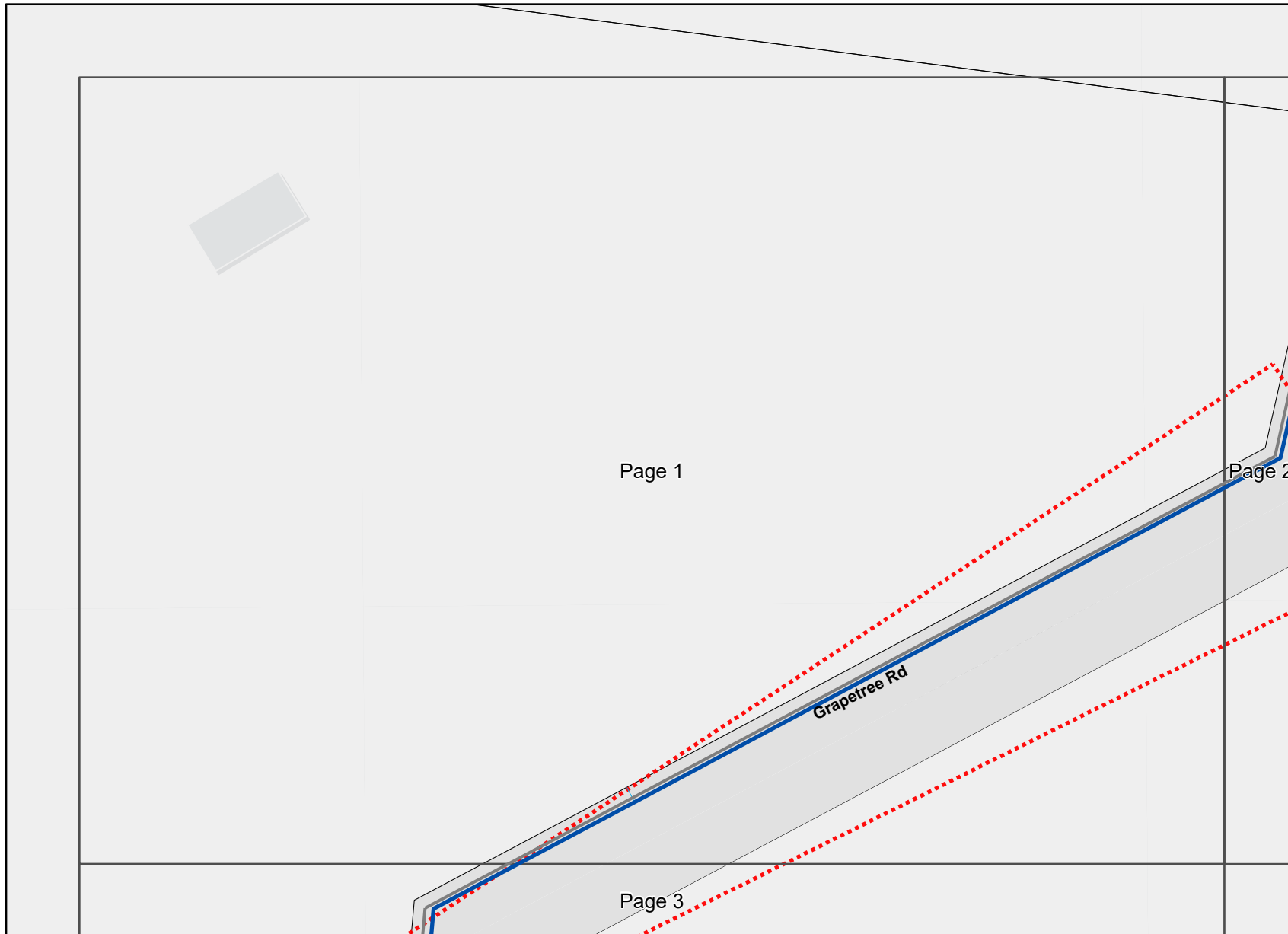
- BYDA Enquiry Area
- Detailed Map Page
- No Toowoomba Regional Council assets in this section of the dig site

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



Legend

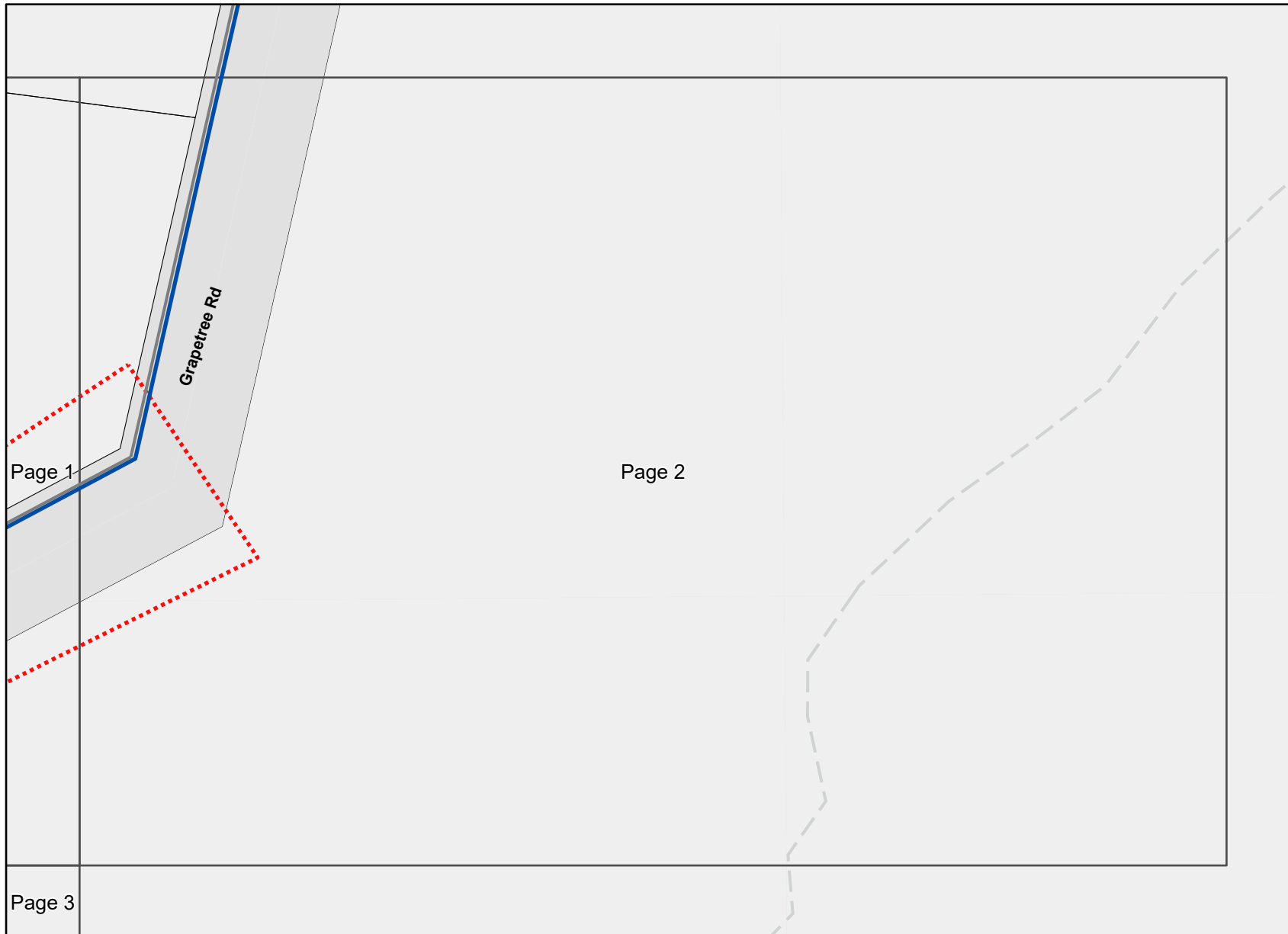
- BYDA Enquiry Area
- Abandoned Water Pipe
- Trunk Main
- Water Service

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



Legend

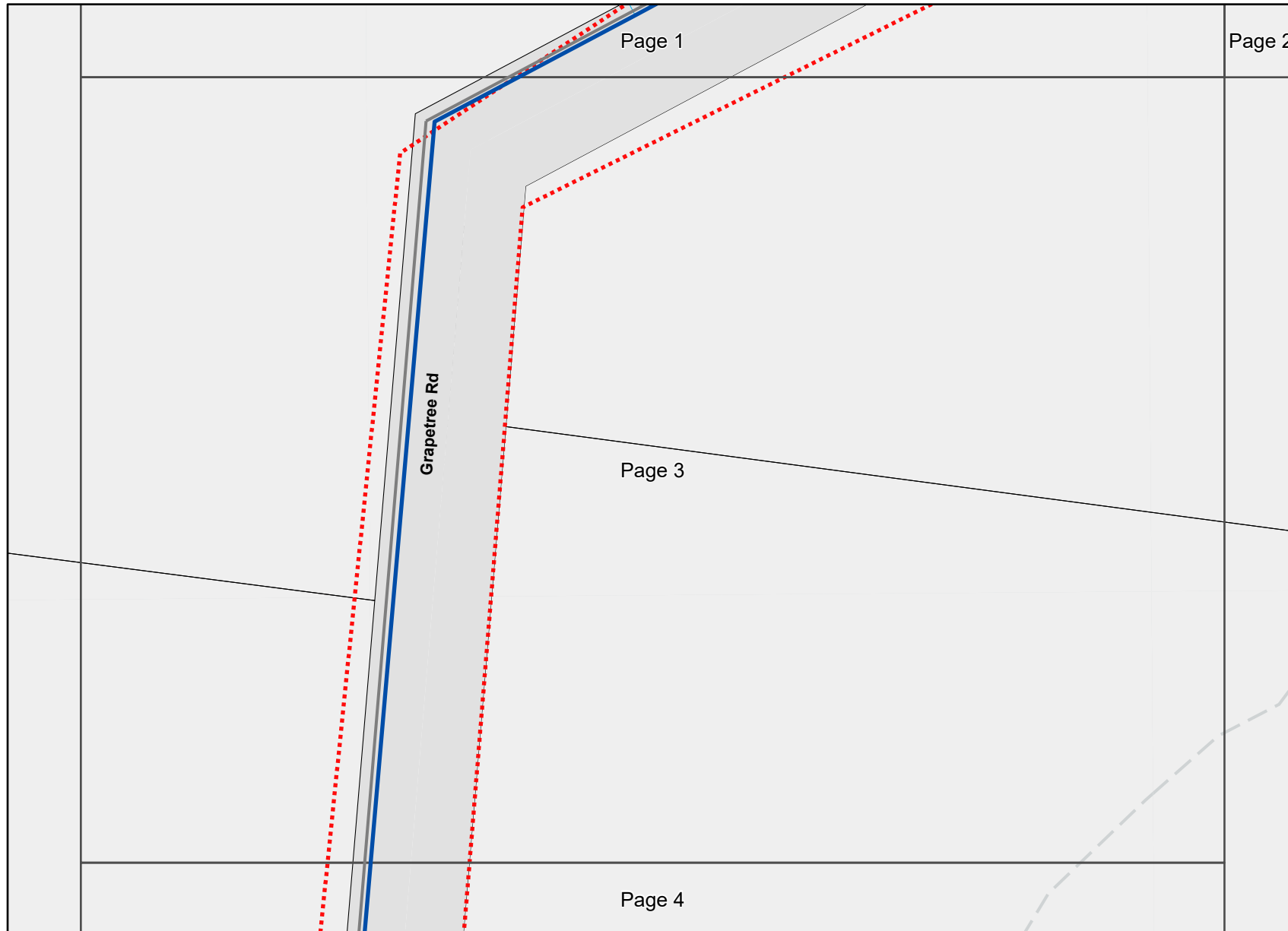
- BYDA Enquiry Area
- Abandoned Water Pipe
- Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



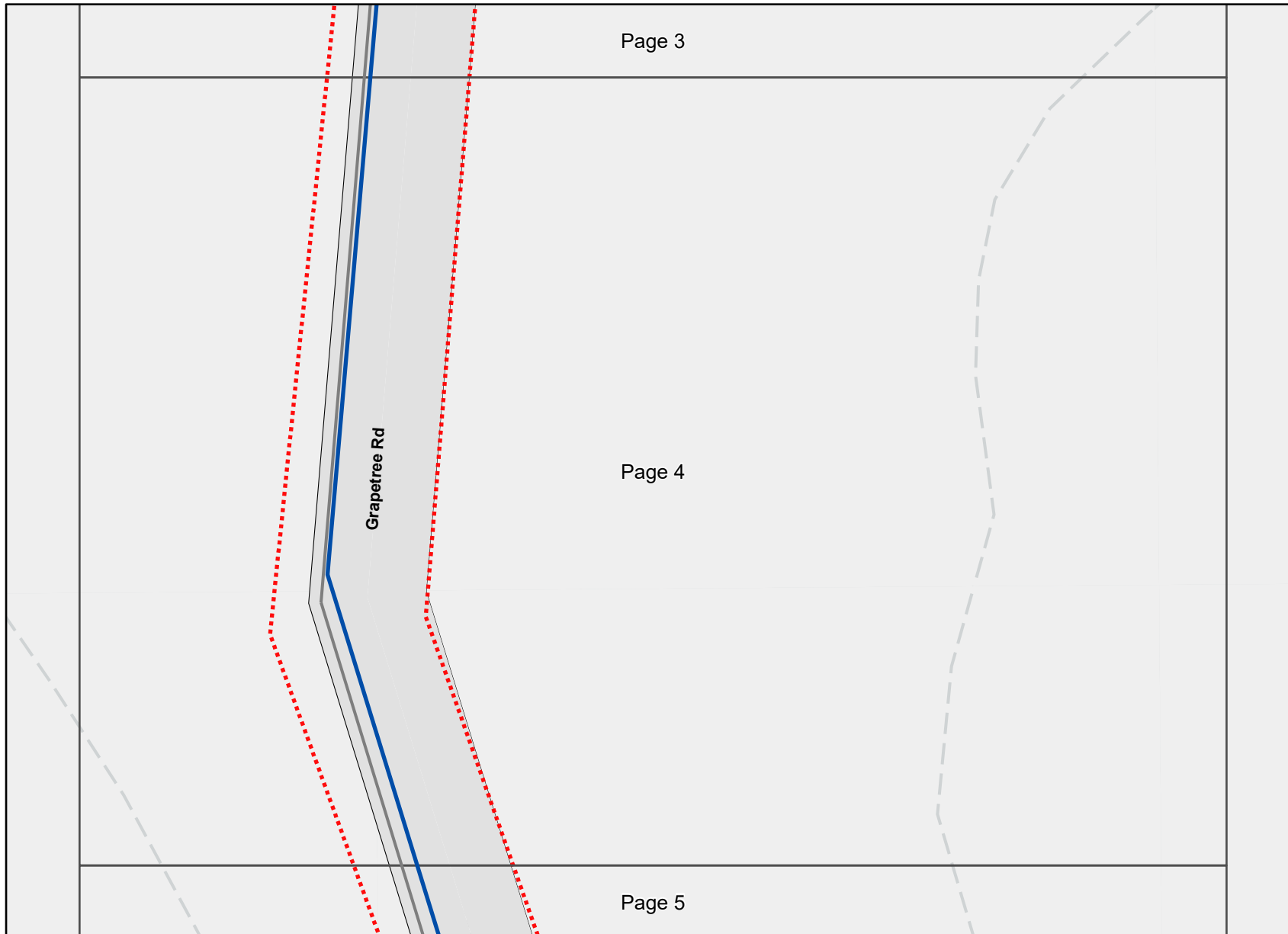
- Legend**
- BYDA Enquiry Area
 - Abandoned Water Pipe
 - Trunk Main
 - Water Service

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



Legend

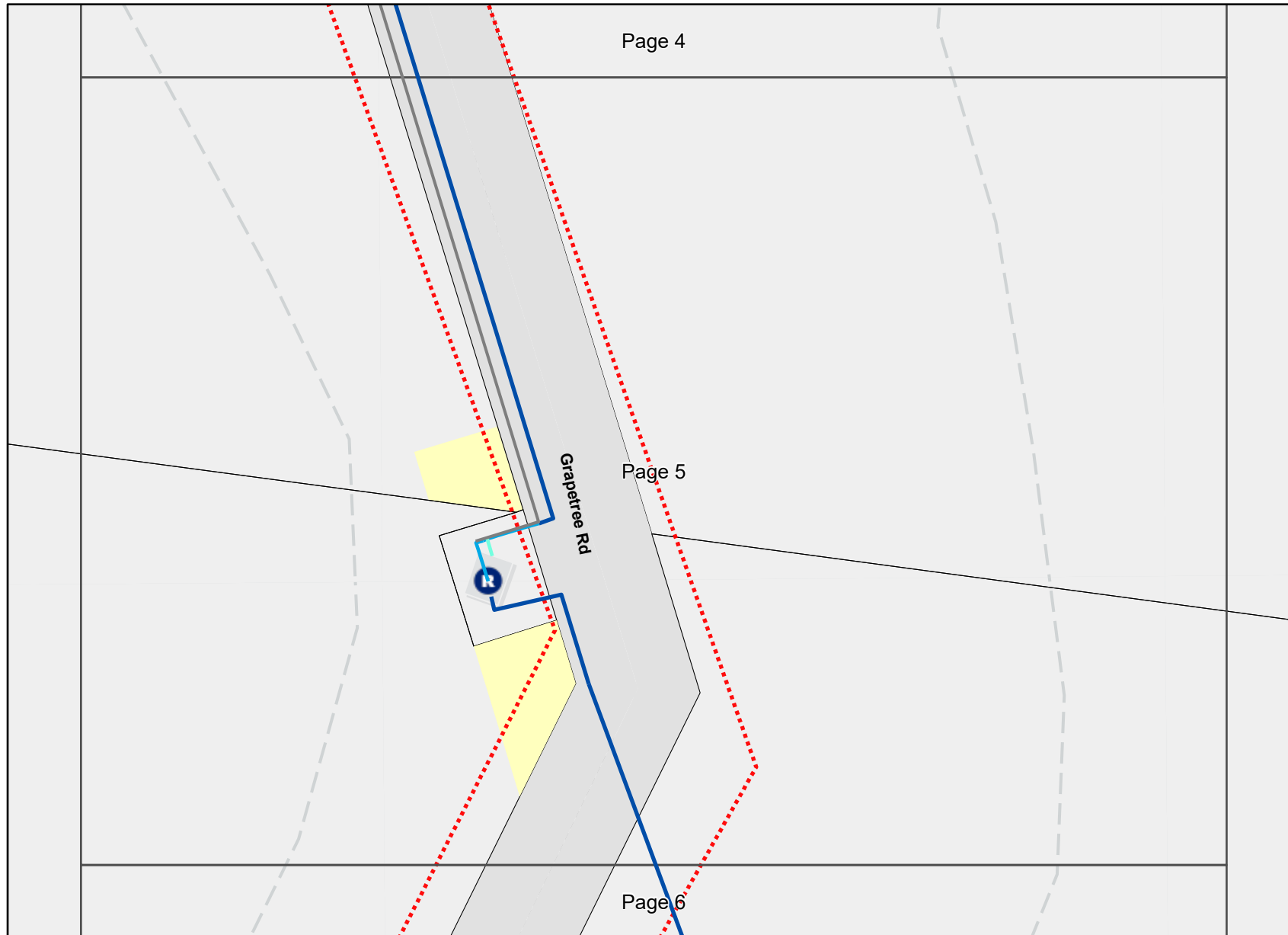
- BYDA Enquiry Area
- Abandoned Water Pipe
- Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



Legend

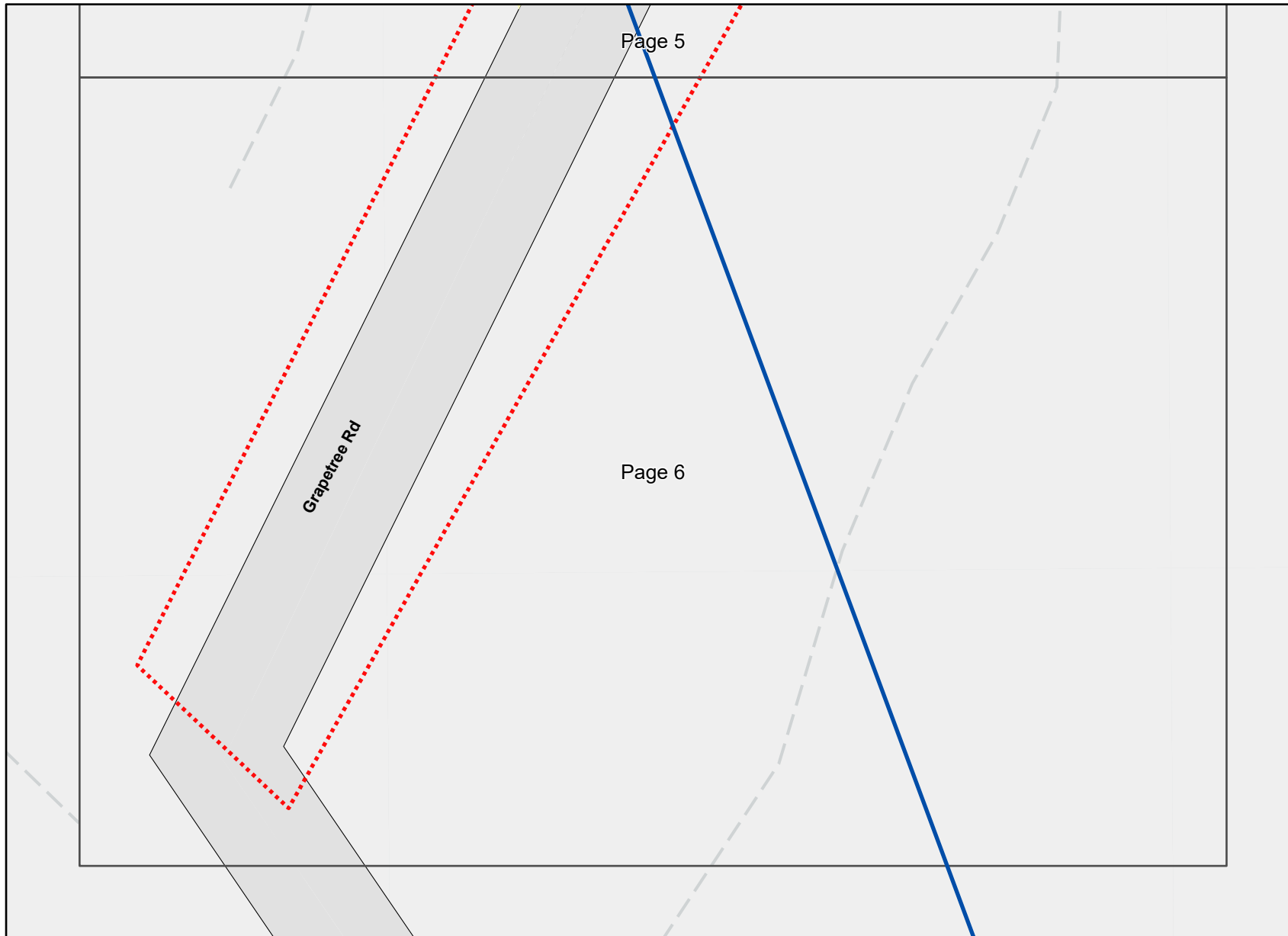
- BYDA Enquiry Area
- Abandoned Water Pipe
- Retention Main
- Scour Pipe
- Trunk Main
- R Reservoir

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.



Legend

- BYDA Enquiry Area
- Trunk Main

Whilst all due care has been taken in the preparation of this plan / information, the accuracy of the provided information cannot be guaranteed.

All information MUST be verified on site. Please refer any discrepancies to Toowoomba Regional Council by phoning 131 872.

No part of this plan is to be reproduced without Toowoomba Regional Council permission.

Refer to the attached Disclaimer for more information.

Disclaimer

1. This Plan/Information is provided for reference purposes in response to an underground infrastructure enquiry.
2. **This response does not provide approval to carry out any works. You may still need to contact the appropriate Toowoomba Regional Council department and/or QLD Government Department of Natural Resources, Mines and Energy (DNRME) to obtain approval and permits.**
3. The permission granted by Council to provide the Plan/Information is subject to the following:
 - 3.1. Council does not warrant that the Information is accurate or complete, and provides no assurances in this regard;
 - 3.2. Third Parties shall conduct their own investigations and/or enquiries regarding the accuracy and completeness of the Information;
 - 3.3. Council does not warrant that a third party shall not infringe upon the intellectual property rights of other third party should it publish or reproduces the Information;
 - 3.4. neither Council nor its agents, officers, Councillors, servants, employees or representatives shall be liable for any damages or losses (whatsoever and however arising) suffered by any third party should the Information be published, reproduced or relied upon by a third party;
 - 3.5. Any Third Party releases and indemnifies Council and its agents, officers, Councillors, servants, employees and representatives from and against all actions whatsoever, which may be brought or made against any of them, by any person, arising from or in any way related to the reproduction of the Information, publication of the Information or reliance upon the Information; and
 - 3.6. The permission to reproduce the Information does not, and shall not be interpreted as constituting the grant of any intellectual property rights in the Information.
 - 3.7. For the avoidance of doubt, Council expressly reserves all of its rights.

Duty of Care

4. The enclosed Plan/Information should be used as a reference only; it indicates the presence of underground infrastructure in the general vicinity of the proposed works. It is the applicant's responsibility to ensure that precise location of underground infrastructure is determined. All underground infrastructure in the vicinity of the proposed works must be located prior to the commencement of work.

Important General Information about Underground Infrastructure**5. Underground Infrastructure**

- 5.1. Toowoomba Regional Council's underground infrastructure comprises:
 - 5.1.1. Sewer (wastewater) infrastructure, including but not limited to sewerage pipes and access chambers;
 - 5.1.2. Stormwater infrastructure, including but not limited to drainage pipes, drainage inlet structures, access chambers;
 - 5.1.3. Water infrastructure, including but not limited to water pipes and fittings; and
 - 5.1.4. Electrical and communication infrastructure in the central business district (CBD), and at road intersections. Please note that electrical and communication infrastructure information is not stored digitally. For further information on this infrastructure please call 131 TRC (131 872) for plans. Fees and charges may apply*.
- 5.2. Toowoomba Regional Council does not own or control the location of other underground infrastructure including but not limited to: Telstra, Ergon, National Broadband Network, and Energex.

6. Plan/Information

- 6.1. The enclosed plan/information covers Toowoomba Regional Council's underground infrastructure in the vicinity of proposed works. If this map does not cover the full extent of the area of proposed works please contact us on 131 TRC (131 872). Housing Connection Plans (HCP) for domestic (internal to the property boundary) sewer drainage infrastructure must be obtained separately from the Plumbing and Drainage section of the Toowoomba Regional Council by contacting 131 TRC (131 872). Fees and charges apply*. Location information for water pipe connections from water meters to a dwelling/structure are not available.

7. Locating Underground Infrastructure

- 7.1. If you require further assistance locating Council's underground infrastructure, please contact 131 TRC (131 872) for more information.

8. Your Responsibility

- 8.1. Visually locate Toowoomba Regional Council underground infrastructure by hand digging where construction activities may damage or interfere with Toowoomba Regional Council underground infrastructure.
- 8.2. On receipt of plans/information, and before commencing works in the vicinity of Toowoomba Regional Council underground infrastructure, carefully locate the infrastructure by using the abovementioned method.
- 8.3. Council Parks and Recreation branch should be contacted on 131 TRC (131 872) to make arrangements to minimize damage to tree roots.
- 8.4. Other relevant authorities should be contacted for locating their infrastructure.
- 8.5. Notification should be given to residents affected by work before commencement.
- 8.6. If an electronic cable locator is used, hand excavation to the depth of the underground infrastructure must be done in advance to the use of excavators.
- 8.7. Any damage to Council's infrastructure must be promptly reported to Toowoomba Regional Council by phoning 131 TRC (131 872).
- 8.8. Any damage to council assets shall be repaired or reinstated by Toowoomba Regional Council at the applicants cost to the appropriate Council Standard.
- 8.9. Toowoomba Regional Council may elect to carry out rectification/reinstatement works itself because of public safety, continuity of service or for other reason(s). In such circumstances, the cost of such repairs will be recovered from the applicant.
- 8.10. For all work within 2.5 metres of nominal location, you are required to hand dig (pothole) and expose the underground infrastructure, proving its exact location before work can commence.

Where works impact on road users, a traffic control plan shall be submitted to Council for consideration prior to works commencing. Depending on the impact of such works, certain conditions may be imposed, i.e. Day/time of works.

For more information including inverts and size queries please refer to our Toowoomba Regional Council website (www.tr.qld.gov.au) and access the online maps section.

For Further Enquiries & Onsite Surface Locations for TRC underground infrastructure, please phone 131 TRC (131 872)

*Council's Fees and Charges can be accessed at www.tr.qld.gov.au or by calling 131 TRC (131 872)



End of document

i This document may exclude some files (eg. DWF or ZIP files)

This document was automatically generated at a point-in-time. Be aware that the source information from which this document was created may have changed since it was produced. This document may contain incomplete or out-of-date information. Always check your enquiry details in the BYDA Referral Service for the most recent information. For copyright information refer to individual responses.



Attachment 13: Protected Plants Trigger Map

Project: Preliminary
Environmental
Assessment Report,
Grapetree Road Reservoir

Client: Kehoe Myers
Consulting Engineers

Project No.: J002708

Compiled by: Skye Melton Date: 16/03/2026
Approved by: Will Gibson Date: 16/03/2026

0 120 240 Metres

Legend

-  Cadastre
-  Roads
-  Extent of Works
Area
-  Protected Plants
Trigger Map

The content of this document includes third
party data. Range Environmental Consultants
does not guarantee the accuracy of such data.

Source: Cadastral data sourced from DNRME
(2025). Aerial imagery sourced from NearMap
(2025).



range
environmental
consultants



EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 29-Jan-2026

[Summary](#)

[Details](#)

[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	5
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	5
Listed Threatened Species:	56
Listed Migratory Species:	11

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <https://www.dcceew.gov.au/parks-heritage/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	21
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have

State and Territory Reserves:	2
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	2
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	2
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar Wetlands)		[Resource Information]
Ramsar Site Name	Proximity	Buffer Status
Banrock station wetland complex	1300 - 1400km upstream from Ramsar site	In buffer area only
Moreton bay	50 - 100km upstream from Ramsar site	In feature area
Narran lake nature reserve	500 - 600km upstream from Ramsar site	In buffer area only
Riverland	1200 - 1300km upstream from Ramsar site	In buffer area only
The coorong, and lakes alexandrina and albert wetland	1400 - 1500km upstream from Ramsar site	In buffer area only

Listed Threatened Ecological Communities

[Resource Information]

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.

Community Name	Threatened Category	Presence Text	Buffer Status
Lowland Rainforest of Subtropical Australia	Critically Endangered	Community likely to occur within area	In feature area
Natural grasslands on basalt and fine-textured alluvial plains of northern New South Wales and southern Queensland	Critically Endangered	Community may occur within area	In buffer area only
Poplar Box Grassy Woodland on Alluvial Plains	Endangered	Community may occur within area	In feature area
Weeping Myall Woodlands	Endangered	Community may occur within area	In buffer area only
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland	Critically Endangered	Community may occur within area	In feature area

Listed Threatened Species

[Resource Information]

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.
Number is the current name ID.

Scientific Name	Threatened Category	Presence Text	Buffer Status
BIRD			
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Foraging, feeding or related behaviour may occur within area	In feature area
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat may occur within area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
Calyptorhynchus lathami lathami South-eastern Glossy Black-Cockatoo [67036]	Vulnerable	Species or species habitat known to occur within area	In feature area
Climacteris picumnus victoriae Brown Treecreeper (south-eastern) [67062]	Vulnerable	Species or species habitat may occur within area	In feature area
Cyclopsitta diophthalma coxeni Coxen's Fig-Parrot [59714]	Critically Endangered	Species or species habitat may occur within area	In feature area
Erythrorhynchis radiatus Red Goshawk [942]	Endangered	Species or species habitat likely to occur within area	In feature area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Geophaps scripta scripta Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat known to occur within area	In feature area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat may occur within area	In feature area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area	In feature area
Stagonopleura guttata Diamond Firetail [59398]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area	In feature area
Turnix melanogaster Black-breasted Button-quail [923]	Vulnerable	Species or species habitat likely to occur within area	In feature area
FISH			
Maccullochella peelii Murray Cod [66633]	Vulnerable	Species or species habitat may occur within area	In buffer area only
MAMMAL			
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Endangered	Species or species habitat may occur within area	In feature area
Dasyurus hallucatus Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331]	Endangered	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Dasyurus maculatus maculatus (SE mainland population)			
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat likely to occur within area	In feature area
Nyctophilus corbeni			
Corben's Long-eared Bat, South-eastern Long-eared Bat [83395]	Vulnerable	Species or species habitat may occur within area	In feature area
Petauroides volans			
Greater Glider (southern and central) [254]	Endangered	Species or species habitat known to occur within area	In feature area
Petaurus australis australis			
Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Petrogale penicillata			
Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat known to occur within area	In feature area
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)			
Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area	In feature area
Potorous tridactylus tridactylus			
Long-nosed Potoroo (northern) [66645]	Vulnerable	Species or species habitat known to occur within area	In feature area
Pseudomys novaehollandiae			
New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat known to occur within area	In feature area
Pteropus poliocephalus			
Grey-headed Flying-fox [186]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
PLANT			
Arthraxon hispidus			
Hairy-joint Grass [9338]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Bosistoa transversa			
Three-leaved Bosistoa, Yellow Satinheart [16091]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Bothriochloa bunyensis Satin-top Grass [15961]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Cadellia pentastylis Ooline [9828]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Clematis fawcettii Stream Clematis [4311]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Coleus omissus listed as Plectranthus omissus [91381]	Endangered	Species or species habitat likely to occur within area	In feature area
Coleus torrenticola listed as Plectranthus torrenticola [91382]	Endangered	Species or species habitat known to occur within area	In buffer area only
Cryptostylis hunteriana Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat may occur within area	In feature area
Dichanthium setosum bluegrass [14159]	Vulnerable	Species or species habitat known to occur within area	In feature area
Eucalyptus taurina Helidon Ironbark [64255]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Haloragis exalata subsp. velutina Tall Velvet Sea-berry [16839]	Vulnerable	Species or species habitat may occur within area	In feature area
Leionema obtusifolium [64925]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Lepidium peregrinum Wandering Pepper-cress [14035]	Endangered	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Leuzea australis listed as Rhaponticum australe Austral Cornflower, Native Thistle [9363]	Vulnerable	Species or species habitat may occur within area	In feature area
Macadamia integrifolia Macadamia Nut, Queensland Nut Tree, Smooth-shelled Macadamia, Bush Nut, Nut Oak [7326]	Vulnerable	Species or species habitat may occur within area	In feature area
Paspalidium grandispiculatum a grass [10838]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Phebalium distans Mt Berryman Phebalium [81869]	Endangered	Species or species habitat may occur within area	In feature area
Picris evae Hawkweed [10839]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat may occur within area	In feature area
Sarcochilus weinthalii Blotched Sarcochilus, Weinthals Sarcanth [12673]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat known to occur within area	In feature area
REPTILE			
Anomalopus mackayi Five-clawed Worm-skink, Long-legged Worm-skink [25934]	Vulnerable	Species or species habitat may occur within area	In feature area
Delma torquata Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Furina dunmalli Dunmall's Snake [59254]	Vulnerable	Species or species habitat may occur within area	In feature area
Hemiaspis damelii Grey Snake [1179]	Endangered	Species or species habitat may occur within area	In feature area

Listed Migratory Species

[Resource Information]

Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area

Migratory Terrestrial Species

Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area	In feature area

Migratory Wetlands Species

Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat known to occur within area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area	In feature area

Other Matters Protected by the EPBC Act

Listed Marine Species	[Resource Information]		
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area	In feature area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area overfly marine area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Chalcites osculans as Chrysococcyx osculans Black-eared Cuckoo [83425]		Species or species habitat likely to occur within area overfly marine area	In feature area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat may occur within area overfly marine area	In feature area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area overfly marine area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area overfly marine area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area overfly marine area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Pterodroma cervicalis White-necked Petrel [59642]		Species or species habitat may occur within area	In feature area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area overfly marine area	In feature area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat likely to occur within area overfly marine area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area

Extra Information

State and Territory Reserves			[Resource Information]
Protected Area Name	Reserve Type	State	Buffer Status
Crows Nest	National Park	QLD	In buffer area only
Hampton	National Park	QLD	In buffer area only

EPBC Act Referrals					[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status	
Not controlled action					
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area	
Not controlled action (particular manner)					
construct overtaking lane/widen New England Highway	2007/3244	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only	

Bioregional Assessments			[Resource Information]
SubRegion	BioRegion	Website	Buffer Status
Maranoa-Balonne-Condamine	Northern Inland Catchments	BA website	In feature area
Clarence-Moreton	Clarence-Moreton	BA website	In buffer area only

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data is available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on the contents of this report.

3 DATA SOURCES

Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species

Threatened, migratory and marine species distributions have been discerned through a variety of methods. Where distributions are well known and if time permits, distributions are inferred from either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc.) together with point locations and described habitat; or modelled (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions when time permits.

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded breeding sites; and
- seals which have only been mapped for breeding sites near the Australian continent

The breeding sites may be important for the protection of the Commonwealth Marine environment.

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the [Contact us](#) page.

[© Commonwealth of Australia](#)

Department of Climate Change, Energy, the Environment and Water

GPO Box 3090

Canberra ACT 2601 Australia

+61 2 6274 1111

WN Taxon ID	Kingdom	Class	Family	Scientific name	Common name	NCA status	EPBC status	Superseded	Conservation significant	Establishment	Sensitive species	Area survey lists	Sighting records	Specimen records	Sighting summary
35640	Animalia	Arachnida	Urodacidae	Urodacus manicatus	black rock scorpion	C		No	No	QA	No		1	0	1
35081	Animalia	Insecta	Aeshnidae	Anax papuensis	Australian Emperor			No	No	QAI	No		2	0	2
35105	Animalia	Insecta	Coenagrionidae	Austroagrion watsoni	eastern billabongfly			No	No	QAI	No		1	0	1
35111	Animalia	Insecta	Coenagrionidae	Ischnura aurora	aurora bluetail			No	No	QAI	No		1	0	1
35112	Animalia	Insecta	Coenagrionidae	Ischnura heterosticta heterosticta	common bluetail			No	No	QAI	No		2	0	2
35114	Animalia	Insecta	Coenagrionidae	Pseudagrion aureofrons	gold-fronted riverdamself			No	No	QA	No		1	0	1
35124	Animalia	Insecta	Corduliidae	Hemicordulia australiae	Australian emerald			No	No	QAI	No		3	0	3
35129	Animalia	Insecta	Corduliidae	Hemicordulia tau	tau emerald			No	No	QAI	No		3	0	3
18521	Animalia	Insecta	Formicidae	Iridomyrmex purpureus				No	No	QA	No		1	0	1
18535	Animalia	Insecta	Formicidae	Pheidole megacephala	African big-headed ant			No	No	II	No		1	0	1
35142	Animalia	Insecta	Gomphidae	Austroepigomphus praeruptus	Twinspot Hunter			No	No	QA	No		5	0	5
19025	Animalia	Insecta	Hesperiidae	Ocybadistes walkeri sothis	green grass-dart			No	No	QA	No		3	0	3
18993	Animalia	Insecta	Hesperiidae	Toxidia parvula	banded grass-skipper			No	No	QA	No		1	0	1
19000	Animalia	Insecta	Hesperiidae	Toxidia peron	dingy grass-skipper			No	No	QA	No		3	0	3
18980	Animalia	Insecta	Hesperiidae	Trapezites eliena	orange ochre			No	No	QA	No		1	0	1
18978	Animalia	Insecta	Hesperiidae	Trapezites petalia	black-ringed ochre			No	No	QA	No		1	0	1
35583	Animalia	Insecta	Hesperiidae	Trapezites praxedes	southern silver ochre			No	No	QA	No		1	0	1
18982	Animalia	Insecta	Hesperiidae	Trapezites symmommus symmommus	splendid ochre			No	No	QA	No		1	0	1
35179	Animalia	Insecta	Lestidae	Austrolestes leda	wandering ringtail			No	No	QA	No		5	0	5
35199	Animalia	Insecta	Libellulidae	Diplacodes bipunctata	wandering percher			No	No	QAI	No		2	0	2
35200	Animalia	Insecta	Libellulidae	Diplacodes haematodes	scarlet percher			No	No	QAI	No		2	0	2
35219	Animalia	Insecta	Libellulidae	Orthetrum caledonicum	blue skimmer			No	No	QAI	No		3	0	3
35223	Animalia	Insecta	Libellulidae	Orthetrum villosovitatum	fiery skimmer			No	No	QAI	No		1	0	1
19292	Animalia	Insecta	Lycaenidae	Catopyrops florinda halys	speckled line-blue (southern subspecies)			No	No	QA	No		1	0	1
19900	Animalia	Insecta	Lycaenidae	Jalmenus evagoras	imperial hairstreak			No	No	QA	No		5	0	5
19314	Animalia	Insecta	Lycaenidae	Leptotes plinius pseudocassius	plumbago blue			No	No	QAI	No		1	0	1
19278	Animalia	Insecta	Lycaenidae	Nacaduba kurava parma	white-banded line-blue			No	No	QA	No		1	0	1
19287	Animalia	Insecta	Lycaenidae	Psychonotis caelius taygetus	small green-banded blue			No	No	QA	No		1	0	1
19316	Animalia	Insecta	Lycaenidae	Zizina otis labradus	common grass-blue (Australian subspecies)			No	No	QAI	No		4	0	4
35933	Animalia	Insecta	Megapodagrionidae	Austroargiolestes icteromelas	common flatwing			No	No	QA	No		1	0	1
19149	Animalia	Insecta	Nymphalidae	Acraea andromacha andromacha	glasswing			No	No	QAI	No		2	0	2
19147	Animalia	Insecta	Nymphalidae	Charaxes sempronius sempronius	tailed emperor			No	No	QA	No		5	0	5
19179	Animalia	Insecta	Nymphalidae	Danaus petilia	lesser wanderer			No	No	QAI	No		2	0	2
19177	Animalia	Insecta	Nymphalidae	Danaus plexippus	monarch			No	No	II	No		5	0	5
19185	Animalia	Insecta	Nymphalidae	Euploea corinna	common crow			No	No	QA	No		4	0	4
19136	Animalia	Insecta	Nymphalidae	Geitoneura acantha	ringed xenica			No	No	QA	No		2	0	2
19138	Animalia	Insecta	Nymphalidae	Heteronympha merope merope	common brown			No	No	QA	No		3	0	3
19139	Animalia	Insecta	Nymphalidae	Heteronympha mirifica	wonder brown			No	No	QA	No		2	0	2
19131	Animalia	Insecta	Nymphalidae	Hypocysta metirius	brown ringlet			No	No	QA	No		2	0	2
19163	Animalia	Insecta	Nymphalidae	Hypolimnas bolina nerina	varied eggfly			No	No	QAI	No		1	0	1
19172	Animalia	Insecta	Nymphalidae	Junonia villida villida	meadow argus			No	No	QAI	No		5	0	5
19176	Animalia	Insecta	Nymphalidae	Tirumala hamata hamata	blue tiger			No	No	QAI	No		2	0	2
19170	Animalia	Insecta	Nymphalidae	Vanessa itea	yellow admiral			No	No	QAI	No		3	0	3
19169	Animalia	Insecta	Nymphalidae	Vanessa kershawi	Australian painted lady			No	No	QAI	No		2	0	2
19075	Animalia	Insecta	Papilionidae	Cressida cressida cressida	clearwing swallowtail			No	No	QA	No		2	0	2
19061	Animalia	Insecta	Papilionidae	Graphium choredon	blue triangle			No	No	QAI	No		2	0	2
19059	Animalia	Insecta	Papilionidae	Graphium macleayanum macleayanum	Macleay's swordtail			No	No	QA	No		1	0	1
19961	Animalia	Insecta	Papilionidae	Papilio aegaeus				No	No	U	No		1	0	1
19068	Animalia	Insecta	Papilionidae	Papilio aegaeus aegaeus	orchard swallowtail (Australian subspecies)			No	No	QA	No		8	0	8
19074	Animalia	Insecta	Papilionidae	Papilio demoleus sthenelus	chequered swallowtail			No	No	QAI	No		2	0	2
19070	Animalia	Insecta	Papilionidae	Papilio fuscus capaneus	fuscous swallowtail (Australian subspecies)			No	No	QA	No		1	0	1
19110	Animalia	Insecta	Pieridae	Belenois java teutonia	caper white			No	No	QAI	No		5	0	5
19079	Animalia	Insecta	Pieridae	Catopsilia gorgophone gorgophone	yellow migrant			No	No	QA	No		1	0	1
19078	Animalia	Insecta	Pieridae	Catopsilia pomona	lemon migrant			No	No	QAI	No		3	0	3
19077	Animalia	Insecta	Pieridae	Catopsilia pyranthe crokera	white migrant			No	No	QA	No		3	0	3

19111	Animalia	Insecta	Pieridae	Cepora perimale scyllara	caper gull (Australian subspecies)	No	No	QA	No	1	0	1	
19098	Animalia	Insecta	Pieridae	Delias argenthona argenthona	scarlet jezebel	No	No	QA	No	3	0	3	
19107	Animalia	Insecta	Pieridae	Delias nigrina	black jezebel	No	No	QA	No	2	0	2	
19086	Animalia	Insecta	Pieridae	Eurema hecabe	large grass-yellow	No	No	QAI	No	2	0	2	
19118	Animalia	Insecta	Pieridae	Pieris rapae	cabbage white	No	No	II	No	3	0	3	
35264	Animalia	Insecta	Platycnemididae	Nososticta solida	orange threadtail	No	No	QA	No	2	0	2	
35287	Animalia	Insecta	Synthemistidae	Parasynthemis regina	royal tigertail	No	No	QA	No	8	0	8	
36162	Animalia	Malacostr	Parastacidae	Cherax depressus		No	No	Q	No	3	0	3	
26955	Animalia	Actinoptery	Eleotridae	Hypseleotris galii	firetail gudgeon	No	No	QA	No	1	0	1	
27054	Animalia	Actinoptery	Plotosidae	Tandanus tandanus	freshwater catfish	No	No	QA	No	2	0	2	
27055	Animalia	Actinoptery	Poeciliidae	Gambusia holbrooki	mosquitofish	No	No	II	No	1	0	1	
716	Animalia	Amphibia	Bufonidae	Rhinella marina	cane toad	No	No	II	No	15	3	15	
617	Animalia	Amphibia	Hylidae	Litoria balatus	slender bleating treefrog	C	No	No	QA	No	20	10	20
626	Animalia	Amphibia	Hylidae	Litoria brevipalmata	green thighed frog	C	No	No	QA	No	11	0	11
627	Animalia	Amphibia	Hylidae	Litoria caerulea	common green treefrog	C	No	No	QAI	No	21	14	21
608	Animalia	Amphibia	Hylidae	Litoria fallax	eastern sedgefrog	C	No	No	QA	No	105	99	105
611	Animalia	Amphibia	Hylidae	Litoria gracilentata	graceful treefrog	C	No	No	QA	No	12	7	12
614	Animalia	Amphibia	Hylidae	Litoria latopalmata	broad palmed rocketfrog	C	No	No	QA	No	16	13	16
596	Animalia	Amphibia	Hylidae	Litoria peronii	emerald spotted treefrog	C	No	No	QA	No	1	0	1
42565	Animalia	Amphibia	Hylidae	Litoria pyrina			No	No		No	12	12	12
600	Animalia	Amphibia	Hylidae	Litoria rubella	ruddy treefrog	C	No	No	QAI	No	7	0	7
590	Animalia	Amphibia	Hylidae	Litoria verreauxii	whistling treefrog	C	No	No	QA	No	1	0	1
29174	Animalia	Amphibia	Hylidae	Litoria wilcoxii	eastern stony creek frog	C	No	No	QA	No	3	0	3
706	Animalia	Amphibia	Limnodynastidae	Adelotus brevis	tusked frog	V	No	Yes	QA	No	2	0	2
678	Animalia	Amphibia	Limnodynastidae	Limnodynastes dumerilii	grey bellied pobblebonk	C	No	No	QA	No	1	0	1
42568	Animalia	Amphibia	Limnodynastidae	Limnodynastes grayi			No	No		No	19	19	19
681	Animalia	Amphibia	Limnodynastidae	Limnodynastes peronii	striped marshfrog	C	No	No	QA	No	55	48	55
684	Animalia	Amphibia	Limnodynastidae	Limnodynastes tasmaniensis	spotted grassfrog	C	No	No	QA	No	32	28	32
673	Animalia	Amphibia	Limnodynastidae	Limnodynastes terraereginae	scarlet sided pobblebonk	C	No	No	QA	No	7	0	7
680	Animalia	Amphibia	Limnodynastidae	Platyplectrum ornatum	ornate burrowing frog	C	No	No	QA	No	16	10	16
696	Animalia	Amphibia	Myobatrachidae	Crinia parinsignifera	beeping froglet	C	No	No	QA	No	1	1	1
698	Animalia	Amphibia	Myobatrachidae	Crinia signifera	clicking froglet	C	No	No	QA	No	13	5	13
674	Animalia	Amphibia	Myobatrachidae	Mixophyes fasciolatus	great barred frog	C	No	No	QA	No	6	0	6
659	Animalia	Amphibia	Myobatrachidae	Pseudophryne major	great brown broodfrog	C	No	No	QA	No	5	1	5
661	Animalia	Amphibia	Myobatrachidae	Pseudophryne raveni	copper backed broodfrog	C	No	No	Q	No	41	24	41
633	Animalia	Amphibia	Myobatrachidae	Uperoleia fusca	dusky gungan	C	No	No	QA	No	9	6	9
635	Animalia	Amphibia	Myobatrachidae	Uperoleia laevigata	eastern gungan	C	No	No	QA	No	9	9	9
639	Animalia	Amphibia	Myobatrachidae	Uperoleia rugosa	chubby gungan	C	No	No	QA	No	1	1	1
1419	Animalia	Aves	Acanthizidae	Acanthiza chrysorrhoa	yellow-rumped thornbill	C	No	No	QA	No	8	0	8
1421	Animalia	Aves	Acanthizidae	Acanthiza lineata	striated thornbill	C	No	No	QA	No	6	0	6
1422	Animalia	Aves	Acanthizidae	Acanthiza nana	yellow thornbill	C	No	No	QA	No	26	0	26
1423	Animalia	Aves	Acanthizidae	Acanthiza pusilla	brown thornbill	C	No	No	QA	No	37	0	37
1425	Animalia	Aves	Acanthizidae	Acanthiza reguloides	buff-rumped thornbill	C	No	No	QA	No	9	0	9
1396	Animalia	Aves	Acanthizidae	Gerygone olivacea	white-throated gerygone	C	No	No	QAI	No	31	0	31
1403	Animalia	Aves	Acanthizidae	Pyrholaemus sagittatus	speckled warbler	C	No	No	QA	No	9	0	9
1381	Animalia	Aves	Acanthizidae	Sericornis citreogularis	yellow-throated scrubwren	C	No	No	QA	No	1	0	1
1382	Animalia	Aves	Acanthizidae	Sericornis frontalis	white-browed scrubwren	C	No	No	QA	No	39	0	39
1384	Animalia	Aves	Acanthizidae	Sericornis magnirostra	large-billed scrubwren	C	No	No	QA	No	1	0	1
1371	Animalia	Aves	Acanthizidae	Smicromis brevirostris	weebill	C	No	No	QA	No	12	0	12
1742	Animalia	Aves	Accipitridae	Accipiter cirrocephalus	collared sparrowhawk	C	No	No	QAI	No	4	0	4
1729	Animalia	Aves	Accipitridae	Accipiter fasciatus	brown goshawk	C	No	No	QAI	No	5	0	5
1730	Animalia	Aves	Accipitridae	Accipiter novaehollandiae	grey goshawk	C	No	No	QAI	No	1	0	1
1732	Animalia	Aves	Accipitridae	Aquila audax	wedge-tailed eagle	C	No	No	QAI	No	10	0	10
1721	Animalia	Aves	Accipitridae	Aviceda subcristata	Pacific baza	C	No	No	QAI	No	10	0	10
1725	Animalia	Aves	Accipitridae	Elanus axillaris	black-shouldered kite	C	No	No	QAI	No	2	0	2
1718	Animalia	Aves	Accipitridae	Haliaeetus leucogaster	white-bellied sea-eagle	C	No	No	QAI	No	5	0	5
1707	Animalia	Aves	Accipitridae	Haliastur sphenurus	whistling kite	C	No	No	QAI	No	4	0	4
1712	Animalia	Aves	Accipitridae	Lophoictinia isura	square-tailed kite	C	No	No	QA	No	3	0	3

1714	Animalia	Aves	Accipitridae	Milvus migrans	black kite	C		No	No	QAI	No	1	0	1
1305	Animalia	Aves	Acrocephalidae	Acrocephalus australis	Australian reed-warbler	C		No	No	QAI	No	6	0	6
1973	Animalia	Aves	Aegothelidae	Aegotheles cristatus	Australian owl-nightjar	C		No	No	QAI	No	3	0	3
1776	Animalia	Aves	Alcedinidae	Ceyx azureus	azure kingfisher	C		No	No	QAI	No	11	0	11
1767	Animalia	Aves	Alcedinidae	Dacelo novaeguineae	laughing kookaburra	C		No	No	QA	No	61	0	61
1760	Animalia	Aves	Alcedinidae	Todiramphus macleayii	forest kingfisher	C		No	No	QAI	No	1	0	1
1762	Animalia	Aves	Alcedinidae	Todiramphus sanctus	sacred kingfisher	C		No	No	QAI	No	10	0	10
1993	Animalia	Aves	Anatidae	Anas gracilis	grey teal	C		No	No	QAI	No	1	0	1
1994	Animalia	Aves	Anatidae	Anas platyrhynchos	northern mallard			No	No	II	No	1	0	1
1998	Animalia	Aves	Anatidae	Anas superciliosa	Pacific black duck	C		No	No	QAI	No	20	0	20
1999	Animalia	Aves	Anatidae	Aythya australis	hardhead	C		No	No	QAI	No	5	0	5
2003	Animalia	Aves	Anatidae	Chenonetta jubata	Australian wood duck	C		No	No	QA	No	22	0	22
2005	Animalia	Aves	Anatidae	Cygnus atratus	black swan	C		No	No	QA	No	4	0	4
1978	Animalia	Aves	Anatidae	Dendrocygna eytoni	plumed whistling-duck	C		No	No	QA	No	1	0	1
1996	Animalia	Aves	Anatidae	Spatula rhynchotis	Australasian shoveler	C		No	No	QAI	No	3	0	3
1279	Animalia	Aves	Anhingidae	Anhinga novaehollandiae	Australasian darter	C		No	No	QAI	No	4	0	4
1971	Animalia	Aves	Apodidae	Hirundapus caudacutus	white-throated needletail	V	V	No	Yes	QAI	No	2	0	2
1829	Animalia	Aves	Ardeidae	Ardea alba modesta	eastern great egret	C		No	No	QAI	No	3	0	3
1831	Animalia	Aves	Ardeidae	Ardea intermedia	intermediate egret	C		No	No	QAI	No	2	0	2
1832	Animalia	Aves	Ardeidae	Ardea pacifica	white-necked heron	C		No	No	QA	No	1	0	1
1830	Animalia	Aves	Ardeidae	Bubulcus ibis	cattle egret	C		No	No	QAI	No	2	0	2
1826	Animalia	Aves	Ardeidae	Egretta novaehollandiae	white-faced heron	C		No	No	QAI	No	12	0	12
1818	Animalia	Aves	Ardeidae	Nycticorax caledonicus	nankeen night-heron	C		No	No	QAI	No	2	0	2
1659	Animalia	Aves	Artamidae	Artamus cyanopterus	dusky woodswallow	C		No	No	QA	No	1	0	1
1654	Animalia	Aves	Artamidae	Cracticus nigrogularis	pied butcherbird	C		No	No	QA	No	42	0	42
1656	Animalia	Aves	Artamidae	Cracticus torquatus	grey butcherbird	C		No	No	QA	No	24	0	24
1644	Animalia	Aves	Artamidae	Gymnorhina tibicen	Australian magpie	C		No	No	QAI	No	86	0	86
1645	Animalia	Aves	Artamidae	Strepera graculina	pied currawong	C		No	No	QA	No	64	0	64
22479	Animalia	Aves	Artamidae	Strepera graculina graculina	pied currawong (eastern Australia)	C		No	No	QA	No	9	0	9
1956	Animalia	Aves	Burhinidae	Burhinus grallarius	bush stone-curlew	C		No	No	QAI	No	1	0	1
1191	Animalia	Aves	Cacatuidae	Cacatua galerita	sulphur-crested cockatoo	C		No	No	QAI	No	1	0	1
22494	Animalia	Aves	Cacatuidae	Calyptorhynchus lathami lathami	glossy black-cockatoo (eastern)	V	V	No	Yes	QA	No	6	0	6
1193	Animalia	Aves	Cacatuidae	Eolophus roseicapilla	galah	C		No	No	QA	No	52	0	52
1173	Animalia	Aves	Cacatuidae	Nymphicus hollandicus	cockatiel	C		No	No	QA	No	5	0	5
1185	Animalia	Aves	Cacatuidae	Zanda funerea	yellow-tailed black-cockatoo	C		No	No	QA	No	16	0	16
1634	Animalia	Aves	Campephagidae	Coracina lineata	barred cuckoo-shrike	C		No	No	QA	No	1	0	1
1636	Animalia	Aves	Campephagidae	Coracina novaehollandiae	black-faced cuckoo-shrike	C		No	No	QAI	No	31	0	31
1637	Animalia	Aves	Campephagidae	Coracina papuensis	white-bellied cuckoo-shrike	C		No	No	QAI	No	2	0	2
1639	Animalia	Aves	Campephagidae	Edolisoma tenuirostre	common cicadabird	C		No	No	QAI	No	18	0	18
1640	Animalia	Aves	Campephagidae	Lalage leucomela	varied triller	C		No	No	QAI	No	3	0	3
1940	Animalia	Aves	Charadriidae	Elsemyornis melanops	black-fronted dotterel	C		No	No	QAI	No	3	0	3
1942	Animalia	Aves	Charadriidae	Erythrogonys cinctus	red-kneed dotterel	C		No	No	QA	No	1	0	1
27774	Animalia	Aves	Charadriidae	Vanellus miles	masked lapwing	C		No	No	QAI	No	11	0	11
1933	Animalia	Aves	Charadriidae	Vanellus miles novaehollandiae	masked lapwing (southern subspecies)	C		No	No	QAI	No	10	0	10
1619	Animalia	Aves	Cinlosomatidae	Cinlosoma punctatum	spotted quail-thrush	C		No	No	QA	No	2	0	2
1294	Animalia	Aves	Cisticolidae	Cisticola exilis	golden-headed cisticola	C		No	No	QAI	No	21	0	21
1625	Animalia	Aves	Climacteridae	Climacteris affinis	white-browed treecreeper	C		No	No	QA	No	1	0	1
1626	Animalia	Aves	Climacteridae	Climacteris erythrops	red-browed treecreeper	C		No	No	QA	No	2	0	2
1628	Animalia	Aves	Climacteridae	Climacteris picumnus	brown treecreeper	C		No	No	QA	No	1	0	1
1617	Animalia	Aves	Climacteridae	Cormobates leucophaea	white-throated treecreeper	C		No	No	QA	No	3	0	3
18293	Animalia	Aves	Climacteridae	Cormobates leucophaea metastasis	white-throated treecreeper (southern)	C		No	No	QA	No	29	0	29
1804	Animalia	Aves	Columbidae	Columba livia	rock dove			No	No	II	No	3	0	3
1810	Animalia	Aves	Columbidae	Geopelia humeralis	bar-shouldered dove	C		No	No	QAI	No	28	0	28
18323	Animalia	Aves	Columbidae	Geopelia placida	peaceful dove	C		No	No	QAI	No	17	0	17
1787	Animalia	Aves	Columbidae	Leucosarcia melanoleuca	wonga pigeon	C		No	No	QA	No	5	0	5
1791	Animalia	Aves	Columbidae	Macropygia phasianella	brown cuckoo-dove	C		No	No	QAI	No	4	0	4
1793	Animalia	Aves	Columbidae	Ocyphaps lophotes	crested pigeon	C		No	No	QA	No	22	0	22
1795	Animalia	Aves	Columbidae	Phaps chalcoptera	common bronzewing	C		No	No	QA	No	15	0	15

1774	Animalia	Aves	Columbidae	Spilopelia chinensis	spotted dove		No	No	II	No	7	0	7
1779	Animalia	Aves	Coraciidae	Eurystomus orientalis	dollarbird	C	No	No	QAI	No	16	0	16
1603	Animalia	Aves	Corcoracidae	Corcorax melanorhamphos	white-winged cough	C	No	No	QA	No	1	0	1
1605	Animalia	Aves	Corcoracidae	Struthidea cinerea	apostlebird	C	No	No	QA	No	9	0	9
1608	Animalia	Aves	Corvidae	Corvus coronoides	Australian raven	C	No	No	QA	No	2	0	2
1609	Animalia	Aves	Corvidae	Corvus orru	Torresian crow	C	No	No	QAI	No	98	0	98
1754	Animalia	Aves	Cuculidae	Cacomantis flabelliformis	fan-tailed cuckoo	C	No	No	QAI	No	8	0	8
1750	Animalia	Aves	Cuculidae	Cacomantis pallidus	pallid cuckoo	C	No	No	QAI	No	4	0	4
1743	Animalia	Aves	Cuculidae	Cacomantis variolosus	brush cuckoo	C	No	No	QAI	No	6	0	6
1751	Animalia	Aves	Cuculidae	Centropus phasianinus	pheasant coucal	C	No	No	QA	No	19	0	19
1744	Animalia	Aves	Cuculidae	Chalcites basalıs	Horsfield's bronze-cuckoo	C	No	No	QAI	No	1	0	1
1745	Animalia	Aves	Cuculidae	Chalcites lucidus	shining bronze-cuckoo	C	No	No	QAI	No	2	0	2
1738	Animalia	Aves	Cuculidae	Eudynamys orientalis	eastern koel	C	No	No	QAI	No	13	0	13
1740	Animalia	Aves	Cuculidae	Scythrops novaehollandiae	channel-billed cuckoo	C	No	No	QAI	No	7	0	7
1611	Animalia	Aves	Dicaeidae	Dicaeum hirundinaceum	mistletoebird	C	No	No	QAI	No	19	0	19
1601	Animalia	Aves	Dicruridae	Dicrurus bracteatus	spangled drongo	C	No	No	QAI	No	6	0	6
22469	Animalia	Aves	Dicruridae	Dicrurus bracteatus bracteatus	spangled drongo (eastern Australia)	C	No	No	QAI	No	1	0	1
1258	Animalia	Aves	Diomedidae	Phoebastria fusca	sooty albatross	V	V	Yes	VU	No	1	0	1
1359	Animalia	Aves	Estrildidae	Neochmia temporalis	red-browed finch	C	No	No	QA	No	30	0	30
1342	Animalia	Aves	Estrildidae	Taeniopygia bichenovii	double-barred finch	C	No	No	QA	No	5	0	5
1962	Animalia	Aves	Eurostopodidae	Eurostopodus argus	spotted nightjar	C	No	No	QA	No	1	0	1
1949	Animalia	Aves	Eurostopodidae	Eurostopodus mystacalis	white-throated nightjar	C	No	No	QAI	No	4	0	4
1704	Animalia	Aves	Falconidae	Falco cenchroides	nankeen kestrel	C	No	No	QAI	No	7	0	7
1691	Animalia	Aves	Falconidae	Falco longipennis	Australian hobby	C	No	No	QAI	No	1	0	1
1692	Animalia	Aves	Falconidae	Falco peregrinus macropus	Australian peregrine falcon	C	No	No	QA	No	9	0	9
1572	Animalia	Aves	Hirundinidae	Hirundo neoxena	welcome swallow	C	No	No	QAI	No	16	0	16
1585	Animalia	Aves	Hirundinidae	Petrochelidon ariel	fairy martin	C	No	No	QA	No	5	0	5
1573	Animalia	Aves	Hirundinidae	Petrochelidon nigricans	tree martin	C	No	No	QAI	No	1	0	1
1919	Animalia	Aves	Laridae	Chlidonias hybrida	whiskered tern	C	No	No	QAI	No	1	0	1
1291	Animalia	Aves	Locustellidae	Cincloramphus cruralis	brown songlark	C	No	No	QA	No	1	0	1
1287	Animalia	Aves	Locustellidae	Poodytes gramineus	little grassbird	C	No	No	QAI	No	1	0	1
1570	Animalia	Aves	Maluridae	Malurus cyaneus	superb fairy-wren	C	No	No	QA	No	29	0	29
18458	Animalia	Aves	Maluridae	Malurus lamberti	variegated fairy-wren	C	No	No	QA	No	24	0	24
1558	Animalia	Aves	Maluridae	Malurus melanocephalus	red-backed fairy-wren	C	No	No	QA	No	21	0	21
1694	Animalia	Aves	Megapodiidae	Alectura lathami	Australian brush-turkey	C	No	No	QA	No	10	0	10
1552	Animalia	Aves	Meliphagidae	Acanthagenys rufogularis	spiny-cheeked honeyeater	C	No	No	QA	No	1	0	1
1555	Animalia	Aves	Meliphagidae	Acanthorhynchus tenuirostris	eastern spinebill	C	No	No	QA	No	10	0	10
1542	Animalia	Aves	Meliphagidae	Anthochaera chrysoptera	little wattlebird	C	No	No	QA	No	1	0	1
1523	Animalia	Aves	Meliphagidae	Caligavis chrysops	yellow-faced honeyeater	C	No	No	QA	No	79	0	79
1539	Animalia	Aves	Meliphagidae	Entomyzon cyanotis	blue-faced honeyeater	C	No	No	QAI	No	13	0	13
1517	Animalia	Aves	Meliphagidae	Lichenostomus melanops	yellow-tufted honeyeater	C	No	No	QA	No	2	0	2
1497	Animalia	Aves	Meliphagidae	Lichmera indistincta	brown honeyeater	C	No	No	QA	No	5	0	5
1500	Animalia	Aves	Meliphagidae	Manorina melanocephala	noisy miner	C	No	No	QA	No	47	0	47
1504	Animalia	Aves	Meliphagidae	Meliphaga lewinii	Lewin's honeyeater	C	No	No	QA	No	57	0	57
1507	Animalia	Aves	Meliphagidae	Melithreptus albogularis	white-throated honeyeater	C	No	No	QAI	No	19	0	19
1508	Animalia	Aves	Meliphagidae	Melithreptus brevirostris	brown-headed honeyeater	C	No	No	QA	No	4	0	4
1485	Animalia	Aves	Meliphagidae	Melithreptus lunatus	white-naped honeyeater	C	No	No	QA	No	4	0	4
1489	Animalia	Aves	Meliphagidae	Myzomela sanguinolenta	scarlet honeyeater	C	No	No	QA	No	17	0	17
1516	Animalia	Aves	Meliphagidae	Nesoptilotis leucotis	white-eared honeyeater	C	No	No	QA	No	1	0	1
1493	Animalia	Aves	Meliphagidae	Philemon citreogularis	little friarbird	C	No	No	QAI	No	16	0	16
1494	Animalia	Aves	Meliphagidae	Philemon corniculatus	noisy friarbird	C	No	No	QAI	No	47	0	47
1471	Animalia	Aves	Meliphagidae	Plectorhyncha lanceolata	striped honeyeater	C	No	No	QA	No	17	0	17
1513	Animalia	Aves	Meliphagidae	Ptilotula fusca	fuscous honeyeater	C	No	No	QA	No	2	0	2
1518	Animalia	Aves	Meliphagidae	Ptilotula penicillata	white-plumed honeyeater	C	No	No	QA	No	1	0	1
1764	Animalia	Aves	Meropidae	Merops ornatus	rainbow bee-eater	C	No	No	QAI	No	14	0	14
1589	Animalia	Aves	Monarchidae	Grallina cyanoleuca	magpie-lark	C	No	No	QAI	No	35	0	35
1595	Animalia	Aves	Monarchidae	Monarcha melanopsis	black-faced monarch	C	No	No	QAI	No	3	0	3
1599	Animalia	Aves	Monarchidae	Myiagra cyanoleuca	satin flycatcher	C	No	No	QAI	No	1	0	1

1600	Animalia	Aves	Monarchidae	Myiagra inquieta	restless flycatcher	C	No	No	QA	No	3	0	3	
1586	Animalia	Aves	Monarchidae	Myiagra rubecula	leaden flycatcher	C	No	No	QAI	No	14	0	14	
1455	Animalia	Aves	Motacillidae	Anthus novaeseelandiae	Australasian pipit	C	No	No	QAI	No	6	0	6	
1453	Animalia	Aves	Neosittidae	Daphoenositta chrysoptera	varied sittella	C	No	No	QAI	No	8	0	8	
1442	Animalia	Aves	Oriolidae	Oriolus sagittatus	olive-backed oriole	C	No	No	QAI	No	18	0	18	
1444	Animalia	Aves	Oriolidae	Sphecotheres vieilloti	Australasian figbird	C	No	No	QAI	No	6	0	6	
1449	Animalia	Aves	Pachycephalidae	Colluricincla harmonica	grey shrike-thrush	C	No	No	QAI	No	54	0	54	
1436	Animalia	Aves	Pachycephalidae	Pachycephala pectoralis	golden whistler	C	No	No	QAI	No	15	0	15	
22474	Animalia	Aves	Pachycephalidae	Pachycephala pectoralis youngi	golden whistler (south-eastern Australia)	C	No	No	QAI	No	1	0	1	
1437	Animalia	Aves	Pachycephalidae	Pachycephala rufiventris	rufous whistler	C	No	No	QAI	No	48	0	48	
1389	Animalia	Aves	Pardalotidae	Pardalotus punctatus	spotted pardalote	C	No	No	QA	No	33	0	33	
1392	Animalia	Aves	Pardalotidae	Pardalotus striatus	striated pardalote	C	No	No	QA	No	39	0	39	
1284	Animalia	Aves	Pelecanidae	Pelecanus conspicillatus	Australian pelican	C	No	No	QAI	No	6	0	6	
1347	Animalia	Aves	Petroicidae	Eopsaltria australis	eastern yellow robin	C	No	No	QA	No	18	0	18	
1329	Animalia	Aves	Petroicidae	Petroica goodenovii	red-capped robin	C	No	No	QA	No	1	0	1	
1332	Animalia	Aves	Petroicidae	Petroica rosea	rose robin	C	No	No	QA	No	8	0	8	
1261	Animalia	Aves	Phalacrocoracidae	Microcarbo melanoleucos	little pied cormorant	C	No	No	QAI	No	18	0	18	
1275	Animalia	Aves	Phalacrocoracidae	Phalacrocorax carbo	great cormorant	C	No	No	QAI	No	2	0	2	
1263	Animalia	Aves	Phalacrocoracidae	Phalacrocorax sulcirostris	little black cormorant	C	No	No	QA	No	6	0	6	
1264	Animalia	Aves	Phalacrocoracidae	Phalacrocorax varius	pied cormorant	C	No	No	QAI	No	1	0	1	
1687	Animalia	Aves	Phasianidae	Synoicus ypsilophorus	brown quail	C	No	No	QAI	No	5	0	5	
1955	Animalia	Aves	Podargidae	Podargus strigoides	tawny frogmouth	C	No	No	QA	No	16	0	16	
1271	Animalia	Aves	Podicipedidae	Podiceps cristatus	great crested grebe	C	No	No	QAI	No	2	0	2	
1249	Animalia	Aves	Podicipedidae	Tachybaptus novaehollandiae	Australasian grebe	C	No	No	QAI	No	11	0	11	
1318	Animalia	Aves	Pomatostomidae	Pomatostomus temporalis	grey-crowned babbler	C	No	No	QAI	No	13	0	13	
1180	Animalia	Aves	Psittaculidae	Alisterus scapularis	Australian king-parrot	C	No	No	QA	No	22	0	22	
1182	Animalia	Aves	Psittaculidae	Aprosmictus erythropterus	red-winged parrot	C	No	No	QAI	No	1	0	1	
1145	Animalia	Aves	Psittaculidae	Glossopsitta concinna	musk lorikeet	C	No	No	QA	No	7	0	7	
1147	Animalia	Aves	Psittaculidae	Parvipsitta pusilla	little lorikeet	C	No	No	QA	No	13	0	13	
1136	Animalia	Aves	Psittaculidae	Platycercus adscitus	pale-headed rosella	C	No	No	QA	No	35	0	35	
21976	Animalia	Aves	Psittaculidae	Platycercus adscitus palliceps	pale-headed rosella (southern form)	C	No	No	QA	No	2	0	2	
1139	Animalia	Aves	Psittaculidae	Platycercus eximius	eastern rosella	C	No	No	QA	No	2	0	2	
1118	Animalia	Aves	Psittaculidae	Psephotus haematonotus	red-rumped parrot	C	No	No	QA	No	6	0	6	
1124	Animalia	Aves	Psittaculidae	Trichoglossus chlorolepidotus	scaly-breasted lorikeet	C	No	No	QA	No	25	0	25	
1125	Animalia	Aves	Psittaculidae	Trichoglossus moluccanus	rainbow lorikeet	C	No	No	QA	No	41	0	41	
1623	Animalia	Aves	Psophodidae	Psophodes olivaceus	eastern whipbird	C	No	No	QA	No	31	0	31	
1686	Animalia	Aves	Rallidae	Fulica atra	Eurasian coot	C	No	No	QAI	No	3	0	3	
1673	Animalia	Aves	Rallidae	Gallinula tenebrosa	duky moorhen	C	No	No	QAI	No	17	0	17	
1675	Animalia	Aves	Rallidae	Gallirallus philippensis	buff-banded rail	C	No	No	QAI	No	2	0	2	
1662	Animalia	Aves	Rallidae	Porphyrio melanotus	purple swamphen	C	No	No	QAI	No	3	0	3	
1893	Animalia	Aves	Recurvirostridae	Himantopus leucocephalus	pied stilt	C	No	No	QAI	No	3	0	3	
1881	Animalia	Aves	Recurvirostridae	Recurvirostra novaehollandiae	red-necked avocet	C	No	No	QA	No	1	0	1	
1575	Animalia	Aves	Rhipiduridae	Rhipidura albiscapa	grey fantail	C	No	No	QAI	No	60	0	60	
1576	Animalia	Aves	Rhipiduridae	Rhipidura leucophrys	willie wagtail	C	No	No	QAI	No	28	0	28	
22467	Animalia	Aves	Rhipiduridae	Rhipidura leucophrys leucophrys	willie wagtail (southern)	C	No	No	QAI	No	3	0	3	
1578	Animalia	Aves	Rhipiduridae	Rhipidura rufifrons	rufous fantail	C	No	No	QAI	No	8	0	8	
1874	Animalia	Aves	Scolopacidae	Calidris acuminata	sharp-tailed sandpiper	V	V	No	Yes	QAI	No	1	0	1
1857	Animalia	Aves	Scolopacidae	Gallinago hardwickii	Latham's snipe	V	V	No	Yes	QAI	No	1	0	1
1102	Animalia	Aves	Strigidae	Ninox boobook	southern boobook	C	No	No	QAI	No	11	0	11	
1107	Animalia	Aves	Strigidae	Ninox strenua	powerful owl	V	No	Yes	QA	No	3	0	3	
1314	Animalia	Aves	Sturnidae	Acridotheres tristis	common myna		No	No	II	No	11	0	11	
1303	Animalia	Aves	Sturnidae	Sturnus vulgaris	common starling		No	No	II	No	1	0	1	
1822	Animalia	Aves	Threskiornithidae	Platalea flavipes	yellow-billed spoonbill	C	No	No	QA	No	1	0	1	
1823	Animalia	Aves	Threskiornithidae	Platalea regia	royal spoonbill	C	No	No	QAI	No	1	0	1	
1812	Animalia	Aves	Threskiornithidae	Threskiornis molucca	Australian white ibis	C	No	No	QAI	No	5	0	5	
1800	Animalia	Aves	Threskiornithidae	Threskiornis spinicollis	straw-necked ibis	C	No	No	QAI	No	5	0	5	
1081	Animalia	Aves	Turnicidae	Turnix varius	painted button-quail	C	No	No	QA	No	1	0	1	
1276	Animalia	Aves	Zosteropidae	Zosterops lateralis	silveryeye	C	No	No	QAI	No	53	0	53	

22481	Animalia	Aves	Zosteropidae	Zosterops lateralis cornwalli	silveryeye (eastern)	C	No	No	QA	No	5	0	5	
930	Animalia	Mammalia	Acrobatidae	Acrobates pygmaeus	feathertail glider	C	No	No	QA	No	1	0	1	
1067	Animalia	Mammalia	Canidae	Canis familiaris	dog		No	No	II	No	1	0	1	
1068	Animalia	Mammalia	Canidae	Canis familiaris (dingo)	dingo		No	No	QA	No	1	0	1	
1071	Animalia	Mammalia	Canidae	Vulpes vulpes	red fox		No	No	II	No	1	0	1	
1077	Animalia	Mammalia	Cervidae	Cervus elaphus	red deer		No	No	II	No	4	0	4	
808	Animalia	Mammalia	Dasyuridae	Phascogale tapoatafa tapoatafa	brush-tailed phascogale	C	No	No	QA	No	2	0	2	
811	Animalia	Mammalia	Dasyuridae	Planigale maculata	common planigale	C	No	No	QA	No	4	0	4	
793	Animalia	Mammalia	Dasyuridae	Sminthopsis murina	common dunnart	C	No	No	QA	No	1	1	1	
22489	Animalia	Mammalia	Dasyuridae	Sminthopsis murina murina	common dunnart (SE mainland)	C	No	No	QA	No	1	0	1	
814	Animalia	Mammalia	Equidae	Equus caballus	horse		No	No	II	No	1	0	1	
1056	Animalia	Mammalia	Felidae	Felis catus	cat		No	No	II	No	2	0	2	
832	Animalia	Mammalia	Leporidae	Lepus europaeus	European brown hare		No	No	II	No	3	0	3	
834	Animalia	Mammalia	Leporidae	Oryctolagus cuniculus	rabbit		No	No	II	No	2	0	2	
901	Animalia	Mammalia	Macropodidae	Macropus giganteus	eastern grey kangaroo	C	No	No	QA	No	2	0	2	
912	Animalia	Mammalia	Macropodidae	Notamacropus agilis	agile wallaby	C	No	No	QAI	No	1	0	1	
914	Animalia	Mammalia	Macropodidae	Notamacropus dorsalis	black-striped wallaby	C	No	No	QA	No	3	0	3	
904	Animalia	Mammalia	Macropodidae	Notamacropus rufogriseus	red-necked wallaby	C	No	No	QA	No	5	0	5	
890	Animalia	Mammalia	Macropodidae	Petrogale penicillata	brush-tailed rock-wallaby	V	V	No	Yes	QA	13	1	13	
884	Animalia	Mammalia	Macropodidae	Thylogale thetis	red-necked pademelon	C	No	No	QA	No	2	0	2	
885	Animalia	Mammalia	Macropodidae	Wallabia bicolor	swamp wallaby	C	No	No	QA	No	4	0	4	
954	Animalia	Mammalia	Miniopteridae	Miniopterus australis	little bent-wing bat	C	No	No	QAI	No	1	0	1	
751	Animalia	Mammalia	Muridae	Pseudomys novaehollandiae	New Holland mouse	V	V	No	Yes	QA	1	1	1	
741	Animalia	Mammalia	Muridae	Rattus fuscipes	bush rat	C	No	No	QA	No	1	0	1	
733	Animalia	Mammalia	Muridae	Rattus sp.		C	No	No	QAI	No	1	1	1	
734	Animalia	Mammalia	Muridae	Rattus tunneyi	pale field-rat	C	No	No	QA	No	2	0	2	
836	Animalia	Mammalia	Ornithorhynchidae	Ornithorhynchus anatinus	platypus	SL	No	Yes	QA	No	2	0	2	
784	Animalia	Mammalia	Peramelidae	Isodon macrourus	northern brown bandicoot	C	No	No	QAI	No	1	0	1	
787	Animalia	Mammalia	Peramelidae	Perameles nasuta	long-nosed bandicoot	C	No	No	QA	No	2	1	2	
36760	Animalia	Mammalia	Petauridae	Petaurus breviceps	sugar glider	C	No	No	QA	No	2	0	2	
877	Animalia	Mammalia	Petauridae	Petaurus breviceps sensu lato	sugar glider		Yes	No	QAI	No	2	0	2	
879	Animalia	Mammalia	Petauridae	Petaurus norfolcensis	squirrel glider	C	No	No	QA	No	1	0	1	
36762	Animalia	Mammalia	Petauridae	Petaurus notatus	Krefftt's glider	C	No	No	QA	No	1	0	1	
880	Animalia	Mammalia	Petauridae	Petaurus sp.		C	No	No	QAI	No	1	1	1	
859	Animalia	Mammalia	Phalangeridae	Trichosurus vulpecula	common brushtail possum	C	No	No	QA	No	7	0	7	
860	Animalia	Mammalia	Phascolarctidae	Phascolarctos cinereus	koala	E	E	No	Yes	QA	No	57	0	57
862	Animalia	Mammalia	Potoroidae	Aepyprymnus rufescens	rufous bettong	C	No	No	QA	No	4	0	4	
2455	Animalia	Mammalia	Pseudocheiridae	Petauroides volans volans	southern greater glider	E	E	No	Yes	QA	No	6	0	6
851	Animalia	Mammalia	Pseudocheiridae	Pseudocheirus peregrinus	common ringtail possum	C	No	No	QA	No	3	1	3	
962	Animalia	Mammalia	Pteropodidae	Pteropus poliocephalus	grey-headed flying-fox	C	V	No	Yes	QA	No	1	0	1
963	Animalia	Mammalia	Pteropodidae	Pteropus scapulatus	little red flying-fox	C	No	No	QAI	No	2	0	2	
838	Animalia	Mammalia	Tachyglossidae	Tachyglossus aculeatus	short-beaked echidna	SL	No	Yes	QAI	No	9	0	9	
972	Animalia	Mammalia	Vespertilionidae	Chalinolobus gouldii	Gould's wattled bat	C	No	No	QA	No	2	0	2	
948	Animalia	Mammalia	Vespertilionidae	Chalinolobus picatus	little pied bat	C	No	No	QA	No	1	0	1	
935	Animalia	Mammalia	Vespertilionidae	Nyctophilus geoffroyi	lesser long-eared bat	C	No	No	QA	No	2	0	2	
22059	Animalia	Mammalia	Vespertilionidae	Scotorepens sp. (Parnaby)	central-eastern broad-nosed bat	C	No	No	QA	No	2	0	2	
923	Animalia	Mammalia	Vespertilionidae	Vespadelus darlingtoni	large forest bat	C	No	No	QA	No	1	0	1	
925	Animalia	Mammalia	Vespertilionidae	Vespadelus pumilus	eastern forest bat	C	No	No	QA	No	1	1	1	
928	Animalia	Mammalia	Vespertilionidae	Vespadelus troungtoni	eastern cave bat	C	No	No	QA	No	1	0	1	
929	Animalia	Mammalia	Vespertilionidae	Vespadelus vulturnus	little forest bat	C	No	No	QA	No	4	0	4	
554	Animalia	Reptilia	Agamidae	Intellagama lesueurii	eastern water dragon	C	No	No	QA	No	9	0	9	
556	Animalia	Reptilia	Agamidae	Pogona barbata	bearded dragon	C	No	No	QA	No	6	0	6	
519	Animalia	Reptilia	Boidae	Morelia spilota	carpet python	C	No	No	QA	No	5	0	5	
396	Animalia	Reptilia	Carpodactylidae	Underwoodisaurus milii	thick-tailed gecko	C	No	No	QA	No	3	1	3	
63	Animalia	Reptilia	Chelidae	Chelodina longicollis	eastern snake-necked turtle	C	No	No	QA	No	1	0	1	
512	Animalia	Reptilia	Colubridae	Dendrelaphis punctulatus	green tree snake	C	No	No	QAI	No	2	0	2	
378	Animalia	Reptilia	Diplodactylidae	Oedura tryoni	southern spotted velvet gecko	C	No	No	QA	No	3	0	3	
457	Animalia	Reptilia	Elapidae	Cryptophis nigrescens	eastern small-eyed snake	C	No	No	QA	No	4	0	4	

493	Animalia	Reptilia	Elapidae	Demansia psammophis	yellow-faced whipsnake	C	No	No	QA	No	3	0	3
462	Animalia	Reptilia	Elapidae	Pseudechis porphyriacus	red-bellied black snake	C	No	No	QA	No	1	0	1
410	Animalia	Reptilia	Gekkonidae	Gehyra versicolor		C	No	No	QA	No	1	0	1
325	Animalia	Reptilia	Pygopodidae	Lialis burtonis	Burton's legless lizard	C	No	No	QAI	No	3	1	3
304	Animalia	Reptilia	Scincidae	Anomalopus leuckartii	two-clawed worm-skink	C	No	No	QA	No	1	0	1
308	Animalia	Reptilia	Scincidae	Anomalopus verreauxii	three-clawed worm-skink	C	No	No	QA	No	11	0	11
312	Animalia	Reptilia	Scincidae	Calypotitis scutirostrum	scute-snouted calypotitis	C	No	No	QA	No	6	0	6
302	Animalia	Reptilia	Scincidae	Carlia schmeltzii	robust rainbow-skink	C	No	No	Q	No	2	0	2
277	Animalia	Reptilia	Scincidae	Carlia vivax	tussock rainbow-skink	C	No	No	QA	No	1	0	1
188	Animalia	Reptilia	Scincidae	Concinnia martini	dark bar-sided skink	C	No	No	QA	No	4	0	4
31898	Animalia	Reptilia	Scincidae	Cryptoblepharus pulcher pulcher	elegant snake-eyed skink	C	No	No	QA	No	8	0	8
265	Animalia	Reptilia	Scincidae	Ctenotus arcanus	arcane ctenotus	C	No	No	QA	No	5	0	5
240	Animalia	Reptilia	Scincidae	Ctenotus spaldingi	straight-browed ctenotus	C	No	No	QAI	No	1	0	1
243	Animalia	Reptilia	Scincidae	Ctenotus taeniolatus	copper-tailed skink	C	No	No	QA	No	8	0	8
225	Animalia	Reptilia	Scincidae	Egernia mcpheeii	eastern crevice-skink	C	No	No	QA	No	4	0	4
201	Animalia	Reptilia	Scincidae	Egernia striolata	tree skink	C	No	No	QA	No	1	1	1
190	Animalia	Reptilia	Scincidae	Eulamprus quoyii	eastern water skink	C	No	No	QA	No	1	0	1
180	Animalia	Reptilia	Scincidae	Lampropholis amacula	friendly sunskink	C	No	No	QA	No	3	0	3
184	Animalia	Reptilia	Scincidae	Lampropholis delicata	dark-flecked garden sunskink	C	No	No	QA	No	1	0	1
167	Animalia	Reptilia	Scincidae	Lerista fragilis	eastern mulch slider	C	No	No	Q	No	1	0	1
150	Animalia	Reptilia	Scincidae	Lygisaurus foliorum	tree-base litter-skink	C	No	No	QA	No	3	0	3
134	Animalia	Reptilia	Scincidae	Morethia boulengeri	south-eastern morethia skink	C	No	No	QA	No	1	0	1
138	Animalia	Reptilia	Scincidae	Morethia taeniopleura	fire-tailed skink	C	No	No	Q	No	2	0	2
107	Animalia	Reptilia	Scincidae	Tiliqua scincoides scincoides	eastern bluetongue	C	No	No	QA	No	1	0	1
61	Animalia	Reptilia	Varanidae	Varanus varius	lace monitor	C	No	No	QA	No	6	0	6
26888	Animalia	Incertae se	Indeterminate	Indeterminate	Unknown or Code Pending		No	No	U	No	54	1	54
25342	Fungi	Dothideom	Trypetheliaceae	Trypethelium nitidiusculum		C	No	No	NTQ	No	1	1	1
23096	Fungi	Lecanorom	Caliciaceae	Dirinaria applanata		C	No	No	NTQ	No	1	1	1
23100	Fungi	Lecanorom	Caliciaceae	Dirinaria picta		C	No	No	NTQ	No	1	1	1
23016	Fungi	Lecanorom	Cladoniaceae	Cladia aggregata		C	No	No	NTQ	No	4	4	4
34933	Fungi	Lecanorom	Cladoniaceae	Cladia beaughleholei		C	No	No	NTQ	No	1	1	1
35512	Fungi	Lecanorom	Cladoniaceae	Cladia glaucolivida		C	No	No	NTQ	No	2	2	2
34907	Fungi	Lecanorom	Cladoniaceae	Cladia muelleri		C	No	No	NTQ	No	2	1	2
42072	Fungi	Lecanorom	Cladoniaceae	Pulchrocladia retipora		C	No	No	NTQ	No	1	1	1
24557	Fungi	Lecanorom	Haematommataceae	Haematomma persoonii		C	No	No	NTQ	No	1	1	1
41485	Fungi	Lecanorom	Parmeliaceae	Notoparmelia cunninghamii		C	No	No	NTQ	No	1	1	1
23368	Fungi	Lecanorom	Parmeliaceae	Parmotrema austrosinense		C	No	No	NTQ	No	1	1	1
34298	Fungi	Lecanorom	Parmeliaceae	Parmotrema norsticticatum		C	No	No	NTQ	No	1	1	1
30862	Fungi	Lecanorom	Parmeliaceae	Parmotrema reticulatum		C	No	No	NTQ	No	1	1	1
23448	Fungi	Lecanorom	Parmeliaceae	Parmotrema tinctorum		C	No	No	NTQ	No	1	1	1
41794	Fungi	Lecanorom	Parmeliaceae	Usnea bicolorata		C	No	No	NTQ	No	1	1	1
24064	Fungi	Lecanorom	Parmeliaceae	Usnea molliuscula subsp. queenlandica		C	No	No	NTQ	No	1	1	1
23834	Fungi	Lecanorom	Parmeliaceae	Xanthoparmelia			No	No		No	1	1	1
23809	Fungi	Lecanorom	Parmeliaceae	Xanthoparmelia furcata		C	No	No	NTQ	No	1	1	1
25475	Fungi	Lecanorom	Peltigeraceae	Peltigera polydactylon		C	No	No	NTQ	No	1	1	1
25383	Fungi	Lecanorom	Pertusariaceae	Pertusaria thwaitesii		C	No	No	NTQ	No	1	1	1
27462	Fungi	Lecanorom	Physciaceae	Heterodermia japonica		C	No	No	NTQ	No	1	1	1
23049	Fungi	Lecanorom	Physciaceae	Heterodermia speciosa		C	No	No	NTQ	No	1	1	1
23547	Fungi	Lecanorom	Ramalinaceae	Ramalina celastri subsp. celastri		C	No	No	NTQ	No	1	1	1
23553	Fungi	Lecanorom	Ramalinaceae	Ramalina inflata subsp. perpusilla		C	No	No	NTQ	No	2	2	2
23769	Fungi	Lecanorom	Tephromelataceae	Tephromela atra		C	No	No	NTQ	No	1	1	1
30784	Fungi	Lecanorom	Tephromelataceae	Tephromela isidiosa		C	No	No	NTQ	No	1	1	1
25857	Fungi	Agaricomyc	Agaricaceae	Cyathus stercoreus		C	No	No	NTQ	No	1	1	1
40945	Fungi	Agaricomyc	Hymenochaetaceae	Fuscoporia senex		C	No	No	NTQ	No	1	1	1
26305	Fungi	Agaricomyc	Polyporaceae	Polyporus arcularius		C	No	No	NTQ	No	1	1	1
33755	Fungi	Agaricomyc	Polyporaceae	Pycnoporus			No	No		No	1	1	1
26680	Fungi	Agaricomyc	Polyporaceae	Pycnoporus coccineus		C	No	No	NTQ	No	1	0	1
25770	Fungi	Agaricomyc	Polyporaceae	Trametes versicolor		C	No	No	NTQ	No	1	0	1

25519	Fungi	Agaricomyc Schizophyllaceae	Schizophyllum commune	C	No	No	NTQ	No	1	0	1
17767	Plantae	Equisetops Acanthaceae	Brunoniella australis	C	No	No	NTQ	No	1	1	1
16375	Plantae	Equisetops Acanthaceae	Pseuderanthemum variabile	C	No	No	NTQ	No	1	1	1
16256	Plantae	Equisetops Acanthaceae	Rostellularia adscendens var. adscendens	C	No	No	NTQ	No	2	2	2
11797	Plantae	Equisetops Amaranthaceae	Nyssanthus diffusa	C	No	No	NTQ	No	1	0	1
19402	Plantae	Equisetops Anthericaceae	Chlorophytum comosum		No	No	NAQ	No	1	1	1
15660	Plantae	Equisetops Apiaceae	Actinotus helianthi	C	No	No	NTQ	No	5	2	5
15151	Plantae	Equisetops Apiaceae	Platysace lanceolata	C	No	No	NTQ	No	5	3	5
14969	Plantae	Equisetops Apiaceae	Xanthosia pilosa	C	No	No	NTQ	No	1	1	1
19732	Plantae	Equisetops Apocynaceae	Alyxia ruscifolia	C	No	No	NTQ	No	1	0	1
41661	Plantae	Equisetops Apocynaceae	Leichhardtia lloydii	C	No	No	NTQ	No	1	1	1
5944	Plantae	Equisetops Apocynaceae	Parsonsia brisbanensis	C	No	No	NTQ	No	1	1	1
11146	Plantae	Equisetops Apocynaceae	Vinca major		No	No	NAQ	No	1	1	1
35914	Plantae	Equisetops Apocynaceae	Vincetoxicum ovatum	C	No	No	NTQ	No	1	1	1
11223	Plantae	Equisetops Araliaceae	Astrotricha latifolia	C	No	No	NTQ	No	3	3	3
15279	Plantae	Equisetops Araliaceae	Hydrocotyle laxiflora	C	No	No	NTQ	No	1	0	1
40917	Plantae	Equisetops Araliaceae	Trachymene incisa	C	No	No	NTQ	No	1	1	1
14983	Plantae	Equisetops Araliaceae	Trachymene incisa subsp. incisa	C	No	No	NTQ	No	3	1	3
14415	Plantae	Equisetops Asparagaceae	Lomandra confertifolia subsp. pallida	C	No	No	NTQ	No	1	0	1
16771	Plantae	Equisetops Asparagaceae	Lomandra filiformis	C	No	No	NTQ	No	1	0	1
16776	Plantae	Equisetops Asparagaceae	Lomandra longifolia	C	No	No	NTQ	No	1	0	1
15644	Plantae	Equisetops Asteraceae	Arctotheca calendula		No	No	NAQ	No	1	1	1
15612	Plantae	Equisetops Asteraceae	Baccharis halimifolia		No	No	NAQ	No	1	0	1
7691	Plantae	Equisetops Asteraceae	Bidens pilosa		No	No	NAQ	No	1	0	1
15565	Plantae	Equisetops Asteraceae	Calotis cuneifolia	C	No	No	NTQ	No	1	1	1
15566	Plantae	Equisetops Asteraceae	Calotis dentex	C	No	No	NTQ	No	1	0	1
15574	Plantae	Equisetops Asteraceae	Carduus thoermeri		No	No	NAQ	No	1	1	1
14738	Plantae	Equisetops Asteraceae	Cassinia laevis	C	No	No	NTQ	No	1	0	1
33042	Plantae	Equisetops Asteraceae	Centratherum riparium	C	No	No	NTQ	No	1	1	1
8398	Plantae	Equisetops Asteraceae	Chrysocephalum apiculatum	C	No	No	NTQ	No	1	0	1
19371	Plantae	Equisetops Asteraceae	Conyza		No	No	XU	No	1	0	1
9615	Plantae	Equisetops Asteraceae	Coreopsis lanceolata		No	No	NAQ	No	1	1	1
33971	Plantae	Equisetops Asteraceae	Dimorphotheca ecklonis		No	No	NAQ	No	3	3	3
35901	Plantae	Equisetops Asteraceae	Erigeron primulifolius		No	No	NAQ	No	1	1	1
9092	Plantae	Equisetops Asteraceae	Glossocardia bidens	C	No	No	NTQ	No	1	1	1
10056	Plantae	Equisetops Asteraceae	Hypochaeris glabra		No	No	NAQ	No	1	1	1
15214	Plantae	Equisetops Asteraceae	Olearia nernstii	C	No	No	NTQ	No	1	1	1
10437	Plantae	Equisetops Asteraceae	Senecio bipinnatisectus	C	No	No	NTQ	No	1	1	1
10486	Plantae	Equisetops Asteraceae	Senecio madagascariensis		No	No	NAQ	No	1	0	1
12208	Plantae	Equisetops Asteraceae	Sigesbeckia orientalis	C	No	No	NTQ	No	1	1	1
10448	Plantae	Equisetops Asteraceae	Taraxacum officinale		No	No	NAQ	No	1	1	1
14958	Plantae	Equisetops Asteraceae	Vittadinia pustulata	C	No	No	NTQ	No	1	1	1
14959	Plantae	Equisetops Asteraceae	Vittadinia sulcata	C	No	No	NTQ	No	1	1	1
22235	Plantae	Equisetops Asteraceae	Xanthium occidentale		No	No	NAQ	No	1	1	1
16570	Plantae	Equisetops Bignoniaceae	Pandorea pandorana	C	No	No	NTQ	No	1	0	1
11191	Plantae	Equisetops Boraginaceae	Echium plantagineum		No	No	NAQ	No	1	1	1
11193	Plantae	Equisetops Boraginaceae	Heliotropium amplexicaule		No	No	NAQ	No	2	2	2
29729	Plantae	Equisetops Brassicaceae	Cardamine microthrix	C	No	No	NTQ	No	1	1	1
10854	Plantae	Equisetops Brassicaceae	Lepidium africanum		No	No	NAQ	No	1	1	1
9515	Plantae	Equisetops Brassicaceae	Lepidium pseudohyssopifolium	C	No	No	NTQ	No	1	1	1
10441	Plantae	Equisetops Brassicaceae	Sisymbrium irio		No	No	NAQ	No	1	1	1
15036	Plantae	Equisetops Brassicaceae	Sisymbrium orientale		No	No	NAQ	No	1	1	1
19352	Plantae	Equisetops Cactaceae	Opuntia stricta		No	No	NAQ	No	1	0	1
9535	Plantae	Equisetops Cactaceae	Opuntia tomentosa		No	No	NAQ	No	13	0	13
16873	Plantae	Equisetops Campanulaceae	Isotoma axillaris	SL	No	Yes	NTQ	No	2	0	2
19393	Plantae	Equisetops Campanulaceae	Wahlenbergia stricta	SL	No	Yes	NTQ	No	1	0	1
16011	Plantae	Equisetops Cannabaceae	Trema tomentosa	C	No	No	NTQ	No	1	0	1
31416	Plantae	Equisetops Cannabaceae	Trema tomentosa var. aspera	C	No	No	NTQ	No	2	2	2

16010	Plantae	Equisetops Cannabaceae	Trema tomentosa var. tomentosa	C	No	No	NTQ	No	3	3	3
17732	Plantae	Equisetops Capparaceae	Capparis sarmentosa	C	No	No	NTQ	No	1	1	1
13871	Plantae	Equisetops Caprifoliaceae	Lonicera japonica		No	No	NAQ	No	2	2	2
26398	Plantae	Equisetops Caryophyllaceae	Petrorhagia dubia		No	No	NAQ	No	1	1	1
16390	Plantae	Equisetops Caryophyllaceae	Polycarpon tetraphyllum		No	No	NAQ	No	1	1	1
19437	Plantae	Equisetops Caryophyllaceae	Silene gallica		No	No	NAQ	No	1	1	1
18011	Plantae	Equisetops Casuarinaceae	Allocauarina inophloia	C	No	No	NTQ	No	1	0	1
18014	Plantae	Equisetops Casuarinaceae	Allocauarina torulosa	C	No	No	NTQ	No	1	0	1
13995	Plantae	Equisetops Casuarinaceae	Casuarina cunninghamiana subsp. cunninghamiana	C	No	No	NTQ	No	1	0	1
34774	Plantae	Equisetops Celastraceae	Denhamia bilocularis	C	No	No	NTQ	No	3	2	3
34779	Plantae	Equisetops Celastraceae	Denhamia silvestris	C	No	No	NTQ	No	4	3	4
22222	Plantae	Equisetops Celastraceae	Elaeodendron australe var. australe	C	No	No	NTQ	No	1	1	1
7742	Plantae	Equisetops Chenopodiaceae	Einadia nutans	C	No	No	NTQ	No	1	0	1
17996	Plantae	Equisetops Commelinaceae	Aneilema acuminatum	C	No	No	NTQ	No	1	1	1
16599	Plantae	Equisetops Commelinaceae	Murdannia graminea	C	No	No	NTQ	No	2	1	2
18824	Plantae	Equisetops Cucurbitaceae	Diplocyclos palmatus	C	No	No	NTQ	No	1	1	1
41593	Plantae	Equisetops Cyatheaceae	Sphaeropteris cooperi	C	No	No	NTQ	No	1	0	1
17781	Plantae	Equisetops Cyperaceae	Bulbostylis pyramidalis	C	No	No	NTQ	No	1	1	1
12070	Plantae	Equisetops Cyperaceae	Caustis flexuosa	C	No	No	NTQ	No	2	1	2
13965	Plantae	Equisetops Cyperaceae	Cyperus bowmanni	C	No	No	NTQ	No	1	1	1
13966	Plantae	Equisetops Cyperaceae	Cyperus flaccidus	C	No	No	NTQ	No	1	1	1
17521	Plantae	Equisetops Cyperaceae	Cyperus gracilis	C	No	No	NTQ	No	1	1	1
17480	Plantae	Equisetops Cyperaceae	Cyperus squarrosus	C	No	No	NTQ	No	1	1	1
17078	Plantae	Equisetops Cyperaceae	Gahnia aspera	C	No	No	NTQ	No	1	0	1
9381	Plantae	Equisetops Cyperaceae	Lepidosperma laterale	C	No	No	NTQ	No	2	2	2
14494	Plantae	Equisetops Dilleniaceae	Hibbertia aspera	C	No	No	NTQ	No	1	0	1
42378	Plantae	Equisetops Dilleniaceae	Hibbertia filifolia	C	No	No	NTQ	No	2	2	2
14496	Plantae	Equisetops Dilleniaceae	Hibbertia linearis var. floribunda	C	No	No	NTQ	No	1	1	1
16940	Plantae	Equisetops Dilleniaceae	Hibbertia linearis var. obtusifolia	C	No	No	NTQ	No	2	2	2
17345	Plantae	Equisetops Droseraceae	Drosera burmanni	SL	No	Yes	NTQ	No	2	0	2
34475	Plantae	Equisetops Droseraceae	Drosera lunata	SL	No	Yes	NTQ	No	1	0	1
17439	Plantae	Equisetops Ebenaceae	Diospyros australis	C	No	No	NTQ	No	1	1	1
16039	Plantae	Equisetops Elaeocarpaceae	Tetratheca thymifolia	C	No	No	NTQ	No	2	0	2
6414	Plantae	Equisetops Ericaceae	Brachyloma daphnoides subsp. daphnoides	C	No	No	NTQ	No	1	1	1
17269	Plantae	Equisetops Ericaceae	Epacris pulchella	C	No	No	NTQ	No	1	1	1
34525	Plantae	Equisetops Ericaceae	Leucopogon affinis	C	No	No	NTQ	No	1	1	1
16662	Plantae	Equisetops Ericaceae	Melichrus urceolatus	C	No	No	NTQ	No	2	0	2
41530	Plantae	Equisetops Ericaceae	Styphelia mutica	C	No	No	NTQ	No	1	1	1
41518	Plantae	Equisetops Ericaceae	Styphelia neoanglica	C	No	No	NTQ	No	1	1	1
18092	Plantae	Equisetops Euphorbiaceae	Acalypha nemorum	C	No	No	NTQ	No	1	1	1
18050	Plantae	Equisetops Euphorbiaceae	Alchornea ilicifolia	C	No	No	NTQ	No	1	1	1
16715	Plantae	Equisetops Euphorbiaceae	Mallotus philippensis	C	No	No	NTQ	No	1	1	1
21240	Plantae	Equisetops Geraniaceae	Pelargonium		No	No		No	1	1	1
17489	Plantae	Equisetops Goodeniaceae	Dampiera sylvestris	C	No	No	NTQ	No	1	1	1
11008	Plantae	Equisetops Goodeniaceae	Goodenia bellidifolia	C	No	No	NTQ	No	1	0	1
17063	Plantae	Equisetops Goodeniaceae	Goodenia hirsuta	C	No	No	NTQ	No	1	1	1
41738	Plantae	Equisetops Goodeniaceae	Goodenia paradoxa	C	No	No	NTQ	No	3	2	3
16231	Plantae	Equisetops Goodeniaceae	Scaevola ramosissima	C	No	No	NTQ	No	2	1	2
16999	Plantae	Equisetops Haemodoridae	Haemodorum austroqueenslandicum	C	No	No	NTQ	No	1	0	1
13239	Plantae	Equisetops Hemerocallidaceae	Dianella brevipedunculata	C	No	No	NTQ	No	1	0	1
15350	Plantae	Equisetops Hemerocallidaceae	Geitonoplesium cymosum	C	No	No	NTQ	No	1	1	1
31247	Plantae	Equisetops Hemerocallidaceae	Hemerocallis fulva		No	No	DNQ	No	1	1	1
15283	Plantae	Equisetops Hypericaceae	Hypericum gramineum	C	No	No	NTQ	No	2	1	2
15286	Plantae	Equisetops Hypoxidaceae	Hypoxis pratensis var. pratensis	C	No	No	NTQ	No	1	1	1
15287	Plantae	Equisetops Hypoxidaceae	Hypoxis pratensis var. tuberculata	C	No	No	NTQ	No	1	1	1
9132	Plantae	Equisetops Iridaceae	Crocosmia x crocosmiiflora		No	No	NAQ	No	1	1	1
18944	Plantae	Equisetops Iridaceae	Freesia laxa		No	No	NAQ	No	1	1	1
9137	Plantae	Equisetops Iridaceae	Gladiolus x gandavensis		No	No	NAQ	No	1	1	1

16844	Plantae	Equisetops	Juncaceae	Juncus continuus		C	No	No	NTQ	No	1	0	1
15667	Plantae	Equisetops	Lamiaceae	Ajuga australis	Australian bugle	C	No	No	NTQ	No	1	1	1
15549	Plantae	Equisetops	Lamiaceae	Chloanthes parviflora		C	No	No	NTQ	No	4	2	4
15243	Plantae	Equisetops	Lamiaceae	Mentha saturioides	native pennyroyal	C	No	No	NTQ	No	3	2	3
11773	Plantae	Equisetops	Lamiaceae	Stachys arvensis	stagger weed		No	No	NAQ	No	1	1	1
9076	Plantae	Equisetops	Lamiaceae	Teucrium argutum		C	No	No	NTQ	No	1	1	1
7602	Plantae	Equisetops	Lauraceae	Cassytha muelleri		C	No	No	NTQ	No	3	3	3
15339	Plantae	Equisetops	Laxmanniaceae	Eustrephus latifolius	wombat berry	C	No	No	NTQ	No	1	0	1
16859	Plantae	Equisetops	Laxmanniaceae	Laxmannia gracilis	slender wire lily	C	No	No	NTQ	No	3	1	3
18348	Plantae	Equisetops	Laxmanniaceae	Thysanotus tuberosus		C	No	No	NTQ	No	1	0	1
11886	Plantae	Equisetops	Leguminosae	Acacia baeuerlenii		C	No	No	NTQ	No	2	2	2
11887	Plantae	Equisetops	Leguminosae	Acacia brunioides subsp. granitica		C	No	No	NTQ	No	1	1	1
15789	Plantae	Equisetops	Leguminosae	Acacia complanata	flatstem wattle	C	No	No	NTQ	No	1	0	1
15790	Plantae	Equisetops	Leguminosae	Acacia concurrens		C	No	No	NTQ	No	1	0	1
15799	Plantae	Equisetops	Leguminosae	Acacia falcata	sickle wattle	C	No	No	NTQ	No	2	1	2
15745	Plantae	Equisetops	Leguminosae	Acacia fimbriata	Brisbane golden wattle	C	No	No	NNQ	No	3	1	3
11526	Plantae	Equisetops	Leguminosae	Acacia granitica		C	No	No	NTQ	No	3	2	3
14938	Plantae	Equisetops	Leguminosae	Acacia hispidula		C	No	No	NTQ	No	4	4	4
15758	Plantae	Equisetops	Leguminosae	Acacia implexa	lightwood	C	No	No	NTQ	No	1	0	1
14913	Plantae	Equisetops	Leguminosae	Acacia irrorata subsp. irrorata		C	No	No	NTQ	No	1	1	1
6372	Plantae	Equisetops	Leguminosae	Acacia juncifolia		C	No	No	NTQ	No	1	1	1
15772	Plantae	Equisetops	Leguminosae	Acacia maidenii	Maiden's wattle	C	No	No	NTQ	No	1	0	1
15720	Plantae	Equisetops	Leguminosae	Acacia melanoxylon	blackwood	C	No	No	NTQ	No	1	0	1
15727	Plantae	Equisetops	Leguminosae	Acacia nerifolia	pechey wattle	C	No	No	NTQ	No	6	3	6
14890	Plantae	Equisetops	Leguminosae	Acacia penninervis		C	No	No	NTQ	No	1	0	1
15739	Plantae	Equisetops	Leguminosae	Acacia podalyriifolia	Queensland silver wattle	C	No	No	NNQ	No	2	0	2
15687	Plantae	Equisetops	Leguminosae	Acacia quadrilateralis		C	No	No	NTQ	No	3	2	3
15709	Plantae	Equisetops	Leguminosae	Acacia ulicifolia		C	No	No	NTQ	No	2	0	2
15711	Plantae	Equisetops	Leguminosae	Acacia venulosa	veined wattle	C	No	No	NTQ	No	1	0	1
15712	Plantae	Equisetops	Leguminosae	Acacia viscidula		C	No	No	NTQ	No	1	0	1
15627	Plantae	Equisetops	Leguminosae	Bossiaea buxifolia		C	No	No	NTQ	No	2	2	2
15631	Plantae	Equisetops	Leguminosae	Bossiaea neoanglica		C	No	No	NTQ	No	5	5	5
42317	Plantae	Equisetops	Leguminosae	Brachypterum involutum		C	No	No	NTQ	No	1	1	1
5839	Plantae	Equisetops	Leguminosae	Cullen tenax	emu-foot	C	No	No	NTQ	No	1	1	1
15444	Plantae	Equisetops	Leguminosae	Daviesia genistifolia	broom bitter pea	C	No	No	NTQ	No	1	1	1
14626	Plantae	Equisetops	Leguminosae	Daviesia mimosoides subsp. mimosoides		C	No	No	NTQ	No	1	1	1
15448	Plantae	Equisetops	Leguminosae	Daviesia umbellulata		C	No	No	NTQ	No	1	1	1
14630	Plantae	Equisetops	Leguminosae	Daviesia villifera	prickly daviesia	C	No	No	NTQ	No	2	2	2
15449	Plantae	Equisetops	Leguminosae	Daviesia wyattiana	long-leaved bitter pea	C	No	No	NTQ	No	4	4	4
2128	Plantae	Equisetops	Leguminosae	Dillwynia phyllicoides		C	No	No	NTQ	No	1	1	1
14518	Plantae	Equisetops	Leguminosae	Gleditsia triacanthos	honey locust		No	No	NAQ	No	1	1	1
15351	Plantae	Equisetops	Leguminosae	Glycine clandestina var. sericea		C	No	No	NTQ	No	1	1	1
15356	Plantae	Equisetops	Leguminosae	Glycine tabacina	glycine pea	C	No	No	NTQ	No	1	1	1
18778	Plantae	Equisetops	Leguminosae	Gompholobium virgatum		C	No	No	NTQ	No	2	2	2
42634	Plantae	Equisetops	Leguminosae	Grona varians		C	No	No	NTQ	No	1	1	1
15309	Plantae	Equisetops	Leguminosae	Hardenbergia violacea		C	No	No	NTQ	No	1	0	1
15326	Plantae	Equisetops	Leguminosae	Hovea longifolia	purple bush pea		No	No	XA	No	1	0	1
22168	Plantae	Equisetops	Leguminosae	Hovea ramulosa		C	No	No	NTQ	No	2	2	2
15260	Plantae	Equisetops	Leguminosae	Jacksonia scoparia		C	No	No	NTQ	No	2	1	2
15265	Plantae	Equisetops	Leguminosae	Kennedia rubicunda	red Kennedy pea	C	No	No	NTQ	No	1	0	1
15239	Plantae	Equisetops	Leguminosae	Medicago lupulina	black medic		No	No	NAQ	No	1	1	1
9873	Plantae	Equisetops	Leguminosae	Medicago polymorpha	burr medic		No	No	NAQ	No	1	1	1
15240	Plantae	Equisetops	Leguminosae	Melilotus albus	sweet clover		No	No	NAQ	No	1	1	1
15191	Plantae	Equisetops	Leguminosae	Mirbelia pungens		C	No	No	NTQ	No	1	1	1
15193	Plantae	Equisetops	Leguminosae	Mirbelia speciosa subsp. ringrosei		C	No	No	NTQ	No	2	2	2
14298	Plantae	Equisetops	Leguminosae	Pultenaea euchila	orange pultenaea	C	No	No	NTQ	No	1	1	1
15087	Plantae	Equisetops	Leguminosae	Pultenaea petiolaris		C	No	No	NTQ	No	2	2	2
15092	Plantae	Equisetops	Leguminosae	Pultenaea villosa	hairy bush pea	C	No	No	NTQ	No	1	0	1

15073	Plantae	Equisetops Leguminosae	Senna pendula var. glabrata	Easter cassia	No	No	NAQ	No	1	1	1	
24648	Plantae	Equisetops Leguminosae	Senna septemtrionalis		No	No	NAQ	No	1	1	1	
12939	Plantae	Equisetops Malvaceae	Malva parviflora	small-flowered mallow	No	No	NAQ	No	1	1	1	
14347	Plantae	Equisetops Malvaceae	Pavonia hastata	pink pavonia	No	No	NAQ	No	1	1	1	
16146	Plantae	Equisetops Malvaceae	Sida rhombifolia		No	No	NAQ	No	1	1	1	
16661	Plantae	Equisetops Meliaceae	Melia azedarach	white cedar	C	No	No	NTQ	No	1	0	1
17155	Plantae	Equisetops Moraceae	Ficus virens		C	No	No	NTQ	No	1	0	1
9118	Plantae	Equisetops Moraceae	Streblus brunonianus	whalebone tree	C	No	No	NTQ	No	1	1	1
33123	Plantae	Equisetops Myrsinaceae	Lysimachia arvensis			No	No	NAQ	No	1	1	1
30309	Plantae	Equisetops Myrsinaceae	Myrsine variabilis		C	No	No	NTQ	No	1	0	1
18108	Plantae	Equisetops Myrtaceae	Acmena smithii	lillipilly satinash	C	No	No	NTQ	No	2	1	2
42161	Plantae	Equisetops Myrtaceae	Aggreflorum brachyandrum		C	No	No	NTQ	No	2	0	2
17999	Plantae	Equisetops Myrtaceae	Angophora leiocarpa	rusty gum	C	No	No	NTQ	No	1	0	1
12533	Plantae	Equisetops Myrtaceae	Angophora subvelutina		C	No	No	NTQ	No	3	0	3
18000	Plantae	Equisetops Myrtaceae	Angophora woodsiana	smudgee	C	No	No	NTQ	No	1	0	1
17887	Plantae	Equisetops Myrtaceae	Baeckea diosmifolia	fringed baeckea	C	No	No	NTQ	No	1	0	1
6444	Plantae	Equisetops Myrtaceae	Corymbia gummifera	red bloodwood	C	No	No	NTQ	No	1	1	1
12504	Plantae	Equisetops Myrtaceae	Eucalyptus amplifolia subsp. sessiliflora	cabbage gum	C	No	No	NTQ	No	1	0	1
8935	Plantae	Equisetops Myrtaceae	Eucalyptus carnea		C	No	No	NTQ	No	1	1	1
12506	Plantae	Equisetops Myrtaceae	Eucalyptus conica	fuzzy box	C	No	No	NTQ	No	1	0	1
17252	Plantae	Equisetops Myrtaceae	Eucalyptus crebra	narrow-leaved red ironbark	C	No	No	NTQ	No	1	0	1
14556	Plantae	Equisetops Myrtaceae	Eucalyptus dura		C	No	No	NTQ	No	1	0	1
17261	Plantae	Equisetops Myrtaceae	Eucalyptus eugenioides		C	No	No	NTQ	No	4	2	4
2443	Plantae	Equisetops Myrtaceae	Eucalyptus helidonica		C	No	No	NTQ	No	1	0	1
14557	Plantae	Equisetops Myrtaceae	Eucalyptus interstans		C	No	No	NTQ	No	4	2	4
13902	Plantae	Equisetops Myrtaceae	Eucalyptus major	mountain grey gum	C	No	No	NTQ	No	1	1	1
17240	Plantae	Equisetops Myrtaceae	Eucalyptus pilularis	blackbutt	C	No	No	NTQ	No	1	1	1
17192	Plantae	Equisetops Myrtaceae	Eucalyptus resinifera	red mahogany	C	No	No	NTQ	No	1	1	1
12465	Plantae	Equisetops Myrtaceae	Eucalyptus siderophloia		C	No	No	NTQ	No	1	1	1
17204	Plantae	Equisetops Myrtaceae	Eucalyptus tereticornis		C	No	No	NTQ	No	2	0	2
42162	Plantae	Equisetops Myrtaceae	Gaudium microcarpum		C	No	No	NTQ	No	1	1	1
42135	Plantae	Equisetops Myrtaceae	Gaudium trinervium		C	No	No	NTQ	No	1	1	1
14478	Plantae	Equisetops Myrtaceae	Kunzea flavescens		C	No	No	NTQ	No	5	3	5
14441	Plantae	Equisetops Myrtaceae	Leptospermum polygalifolium	tantoon	C	No	No	NTQ	No	3	0	3
16780	Plantae	Equisetops Myrtaceae	Lophostemon confertus	brush box	C	No	No	NTQ	No	1	0	1
16730	Plantae	Equisetops Myrtaceae	Lophostemon suaveolens	swamp box	C	No	No	NTQ	No	2	0	2
16684	Plantae	Equisetops Myrtaceae	Melaleuca bracteata		C	No	No	NTQ	No	1	0	1
31377	Plantae	Equisetops Myrtaceae	Melaleuca salicina		C	No	No	NTQ	No	1	1	1
31375	Plantae	Equisetops Myrtaceae	Melaleuca viminalis		C	No	No	NTQ	No	3	1	3
13406	Plantae	Equisetops Myrtaceae	Rhodamnia dumicola	rib-fruited malletwood	E	No	Yes	NTQ	No	2	2	2
31850	Plantae	Equisetops Myrtaceae	Sannantha angusta		C	No	No	NTQ	No	1	1	1
31851	Plantae	Equisetops Myrtaceae	Sannantha collina		C	No	No	NTQ	No	1	1	1
16593	Plantae	Equisetops Olacaceae	Olax stricta		C	No	No	NTQ	No	1	1	1
33129	Plantae	Equisetops Oleaceae	Jasminum dianthifolium		C	No	No	NTQ	No	1	0	1
36639	Plantae	Equisetops Oleaceae	Jasminum dianthifolium x Jasminum simplicifolium subsp. australiense		C	No	No	NTQ	No	1	1	1
16838	Plantae	Equisetops Oleaceae	Jasminum didymum subsp. racemosum		C	No	No	NTQ	No	1	1	1
13417	Plantae	Equisetops Oleaceae	Ligustrum lucidum	large-leaved privet		No	No	NAQ	No	6	0	6
16580	Plantae	Equisetops Oleaceae	Notelaea linearis		C	No	No	NTQ	No	1	1	1
6119	Plantae	Equisetops Oleaceae	Notelaea sp. (Barakula A.R.Bean 7553)		C	No	No	NTQ	No	1	1	1
13394	Plantae	Equisetops Onagraceae	Oenothera tetraptera	four-winged evening primrose		No	No	NAQ	No	1	0	1
17779	Plantae	Equisetops Orchidaceae	Bulbophyllum minutissimum	grain-of-wheat orchid	SL	No	Yes	NTQ	Yes	1	0	1
13444	Plantae	Equisetops Orchidaceae	Caladenia carnea		SL	No	Yes	NTQ	Yes	2	1	2
15832	Plantae	Equisetops Orchidaceae	Calochilus robertsonii	purplish beard orchid	SL	No	Yes	NTQ	Yes	1	1	1
9261	Plantae	Equisetops Orchidaceae	Chiloglottis truncata		SL	No	Yes	NTQ	Yes	1	1	1
22382	Plantae	Equisetops Orchidaceae	Dendrobium kingianum		SL	No	Yes	NTQ	Yes	1	0	1
5779	Plantae	Equisetops Orchidaceae	Dockrillia linguiformis	tongue orchid	SL	No	Yes	NTQ	Yes	1	0	1
9321	Plantae	Equisetops Orchidaceae	Pterostylis nutans		SL	No	Yes	NTQ	Yes	1	1	1
9457	Plantae	Equisetops Oxalidaceae	Oxalis corniculata			No	No	NAQ	No	1	1	1

17966	Plantae	Equisetops Papaveraceae	Argemone ochroleuca subsp. ochroleuca	Mexican poppy	No	No	NAQ	No	1	1	1
12804	Plantae	Equisetops Papaveraceae	Fumaria muralis subsp. muralis	wall fumitory	No	No	NAQ	No	1	1	1
13799	Plantae	Equisetops Passifloraceae	Passiflora aurantia var. aurantia		C	No	No	NTQ	No	1	1
12715	Plantae	Equisetops Passifloraceae	Passiflora edulis			No	No	NAQ	No	2	1
17808	Plantae	Equisetops Phyllanthaceae	Breynia oblongifolia		C	No	No	NTQ	No	3	0
16479	Plantae	Equisetops Phytolaccaceae	Phytolacca octandra	inkweed		No	No	NAQ	No	1	1
12028	Plantae	Equisetops Pinaceae	Pinus radiata	radiata pine		No	No	NAQ	No	2	2
29189	Plantae	Equisetops Pittosporaceae	Billardiera rubens		C	No	No	NTQ	No	1	1
13256	Plantae	Equisetops Pittosporaceae	Billardiera scandens		C	No	No	NTQ	No	1	0
17785	Plantae	Equisetops Pittosporaceae	Bursaria spinosa		C	No	No	NTQ	No	1	1
22227	Plantae	Equisetops Pittosporaceae	Bursaria spinosa subsp. spinosa		C	No	No	NTQ	No	2	0
16462	Plantae	Equisetops Pittosporaceae	Pittosporum undulatum	sweet pittosporum	C	No	No	NTQ	No	1	0
16422	Plantae	Equisetops Plantaginaceae	Plantago lanceolata			No	No	NAQ	No	2	2
8934	Plantae	Equisetops Poaceae	Aristida personata		C	No	No	NTQ	No	1	1
5959	Plantae	Equisetops Poaceae	Austrostipa ramosissima	bamboo grass	C	No	No	NTQ	No	2	2
5960	Plantae	Equisetops Poaceae	Austrostipa rudis subsp. rudis		C	No	No	NTQ	No	1	1
14773	Plantae	Equisetops Poaceae	Capillipedium parviflorum	scented top	C	No	No	NTQ	No	1	1
33865	Plantae	Equisetops Poaceae	Cenchrus clandestinus			No	No	NAQ	No	2	1
15551	Plantae	Equisetops Poaceae	Chloris gayana	rhodes grass		No	No	NAQ	No	2	0
9306	Plantae	Equisetops Poaceae	Echinopogon caespitosus var. caespitosus	hedgehog grass	C	No	No	NTQ	No	1	1
10532	Plantae	Equisetops Poaceae	Eragrostis			No	No		No	1	0
15359	Plantae	Equisetops Poaceae	Eragrostis curvula			No	No	NAQ	No	4	2
15290	Plantae	Equisetops Poaceae	Imperata cylindrica	blady grass	C	No	No	NTQ	No	1	0
9154	Plantae	Equisetops Poaceae	Melinis repens	red natal grass		No	No	NAQ	No	1	0
8872	Plantae	Equisetops Poaceae	Microlaena stipoides		C	No	No	NTQ	No	1	0
14345	Plantae	Equisetops Poaceae	Paspalidium distans	shotgrass	C	No	No	NTQ	No	1	1
21234	Plantae	Equisetops Poaceae	Paspalum			No	No		No	1	0
33892	Plantae	Equisetops Poaceae	Rytidosperma indutum		C	No	No	NTQ	No	1	1
15033	Plantae	Equisetops Poaceae	Setaria			No	No		No	1	0
10941	Plantae	Equisetops Poaceae	Sporobolus laxus		C	No	No	NTQ	No	1	0
14974	Plantae	Equisetops Poaceae	Themeda triandra	kangaroo grass	C	No	No	NTQ	No	1	0
17591	Plantae	Equisetops Polygalaceae	Comesperma sphaerocarpum		C	No	No	NTQ	No	1	1
13129	Plantae	Equisetops Polygalaceae	Polygala virgata			No	No	NAQ	No	3	3
16272	Plantae	Equisetops Polygonaceae	Rumex crispus	curled dock		No	No	NAQ	No	1	0
17354	Plantae	Equisetops Polypodiaceae	Drynaria rigidula		SL	No	Yes	NTQ	No	1	0
13271	Plantae	Equisetops Portulacaceae	Calandrinia			No	No		No	1	1
14283	Plantae	Equisetops Portulacaceae	Portulaca			No	No		No	2	2
17897	Plantae	Equisetops Proteaceae	Banksia oblongifolia	dwarf banksia	C	No	No	NTQ	No	2	1
14827	Plantae	Equisetops Proteaceae	Banksia spinulosa		C	No	No	NTQ	No	2	0
6390	Plantae	Equisetops Proteaceae	Grevillea floribunda subsp. tenella		C	No	No	NTQ	No	2	1
13924	Plantae	Equisetops Proteaceae	Grevillea robusta		C	No	No	NTQ	No	2	0
13217	Plantae	Equisetops Proteaceae	Hakea eriantha		C	No	No	NTQ	No	3	2
14537	Plantae	Equisetops Proteaceae	Hakea florulenta	three-nerved willow hakea	C	No	No	NTQ	No	1	1
13183	Plantae	Equisetops Proteaceae	Lomatia silaifolia	crinkle bush	C	No	No	NTQ	No	2	0
16500	Plantae	Equisetops Proteaceae	Persoonia sericea	silky geebung	C	No	No	NTQ	No	3	1
16506	Plantae	Equisetops Proteaceae	Petrophile canescens		C	No	No	NTQ	No	3	2
13114	Plantae	Equisetops Resedaceae	Reseda lutea			No	No	NAQ	No	1	1
9659	Plantae	Equisetops Rhamnaceae	Alphitonia excelsa	soap tree	C	No	No	NTQ	No	2	0
16406	Plantae	Equisetops Rhamnaceae	Pomaderris queenslandica		C	No	No	NTQ	No	1	1
12848	Plantae	Equisetops Ripogonaceae	Ripogonum brevifolium	small-leaved supplejack	C	No	No	NTQ	No	1	1
29499	Plantae	Equisetops Rosaceae	Cotoneaster coriaceus			No	No	NAQ	No	1	1
14109	Plantae	Equisetops Rosaceae	Eriobotrya japonica	loquat		No	No	NAQ	No	1	1
35635	Plantae	Equisetops Rosaceae	Prunus rivularis			No	No	NAQ	No	2	2
17936	Plantae	Equisetops Rubiaceae	Asperula conferta		C	No	No	NTQ	No	1	0
16544	Plantae	Equisetops Rubiaceae	Opercularia hispida	hairy stinkweed	C	No	No	NTQ	No	1	1
16407	Plantae	Equisetops Rubiaceae	Pomax umbellata		C	No	No	NTQ	No	3	0
29826	Plantae	Equisetops Rubiaceae	Psydrax odorata forma buxifolia		C	No	No	NTQ	No	1	0
15871	Plantae	Equisetops Rutaceae	Acronychia laevis	glossy acronychia	C	No	No	NTQ	No	1	1

11430	Plantae	Equisetops Rutaceae	Geijera salicifolia	brush wilga	C	No	No	NTQ	No	1	1	1	
17211	Plantae	Equisetops Rutaceae	Melicope micrococca	white evodia	C	No	No	NTQ	No	1	1	1	
17698	Plantae	Equisetops Salicaceae	Casearia multinervosa	casearia	C	No	No	NTQ	No	1	1	1	
16182	Plantae	Equisetops Salicaceae	Scolopia braunii	flintwood	C	No	No	NTQ	No	1	1	1	
17640	Plantae	Equisetops Santalaceae	Choretrum candollei	white sour bush	C	No	No	NTQ	No	1	0	1	
17180	Plantae	Equisetops Santalaceae	Exocarpos cupressiformis	native cherry	C	No	No	NTQ	No	2	0	2	
13501	Plantae	Equisetops Santalaceae	Thesium australe	toadflax	V	V	No	Yes	NTQ	No	187	2	187
18052	Plantae	Equisetops Sapindaceae	Alectryon connatus	grey birds-eye	C	No	No	NTQ	No	1	1	1	
13686	Plantae	Equisetops Sapindaceae	Cupaniopsis parvifolia	small-leaved tuckeroo	C	No	No	NTQ	No	1	0	1	
13654	Plantae	Equisetops Sapindaceae	Dodonaea multijuga		C	No	No	NTQ	No	1	1	1	
17384	Plantae	Equisetops Sapindaceae	Dodonaea triquetra	large-leaved hop bush	C	No	No	NTQ	No	1	1	1	
17391	Plantae	Equisetops Sapindaceae	Dodonaea viscosa		C	No	No	NTQ	No	1	0	1	
13242	Plantae	Equisetops Sapindaceae	Dodonaea viscosa subsp. angustifolia		C	No	No	NTQ	No	1	1	1	
17358	Plantae	Equisetops Solanaceae	Duboisia myoporoides		C	No	No	NTQ	No	1	0	1	
34338	Plantae	Equisetops Solanaceae	Nicotiana exigua		C	No	No	NTQ	No	1	1	1	
10269	Plantae	Equisetops Solanaceae	Petunia axillaris	petunia		No	No	NAQ	No	1	1	1	
16165	Plantae	Equisetops Solanaceae	Solanum ellipticum	potato bush	C	No	No	NTQ	No	1	1	1	
16113	Plantae	Equisetops Stylidiaceae	Stylidium graminifolium	grassy-leaved trigger-flower	C	No	No	NTQ	No	1	0	1	
14179	Plantae	Equisetops Stylidiaceae	Stylidium laricifolium	tree trigger plant	SL	No	Yes	NTQ	No	1	0	1	
16439	Plantae	Equisetops Thymelaeaceae	Pimelea linifolia		C	No	No	NTQ	No	2	0	2	
16441	Plantae	Equisetops Thymelaeaceae	Pimelea neoanglica	poison pimelea	C	No	No	NTQ	No	2	0	2	
34284	Plantae	Equisetops Verbenaceae	Glandularia aristigera			No	No	NAQ	No	1	1	1	
19905	Plantae	Equisetops Verbenaceae	Lantana camara	lantana		No	No	NAQ	No	7	2	7	
27188	Plantae	Equisetops Verbenaceae	Verbena gaudichaudii		C	No	No	NTQ	No	1	1	1	
30780	Plantae	Equisetops Verbenaceae	Verbena rigida			No	No	NAQ	No	3	2	3	
41617	Plantae	Equisetops Violaceae	Pigea monopetala		C	No	No	NTQ	No	2	0	2	
41630	Plantae	Equisetops Violaceae	Pigea stellarioides		C	No	No	NTQ	No	1	1	1	
42148	Plantae	Equisetops Vitaceae	Apocissus oblonga		C	No	No	NTQ	No	1	1	1	
15934	Plantae	Equisetops Xanthorrhoeaceae	Xanthorrhoea johnsonii		SL	No	Yes	NTQ	No	1	0	1	
15896	Plantae	Equisetops Xyridaceae	Xyris complanata	yellow-eye	C	No	No	NTQ	No	1	0	1	

Scientific Name	Common Name	Category
<i>Agave sp.</i>		Other invasive
<i>Araujia sericifera</i>	White moth vine	Other invasive
<i>Biden's pilosa</i>	Cobbler's pegs	Other invasive
<i>Chloris gayana</i>	Rhodes grass	Other invasive
<i>Cinnamomum camphora</i>	Camphor laurel	Category 3
<i>Cirsium vulgare</i>	Spear thistle	Other invasive
<i>Erigeron sumatrensis</i>	Tropical horseweed	Other invasive
<i>Gomphocarpus physocarpus</i>	Balloon cottonbush	Other invasive
<i>Heliotropium amplexicaule</i>	Blue heliotrope	Other invasive
<i>Hypochaeris radicata</i>	Common cat's ear	Other invasive
<i>Lantana camara</i>	Lantana	Category 3
<i>Ligustrum lucidum</i>	Broad-leaved privet	Category 3
<i>Malvastrum coromandelianum</i>	Prickly malvastrum	Other invasive
<i>Megathyrus maximus</i>	Green panic	Other invasive
<i>Melinis repens</i>	Red natal	Other invasive
<i>Passiflora subpeltata</i>	White passionflower	Other invasive
<i>Pavonia hastata</i>	Pink pavonia	Other invasive
<i>Phytolacca octandra</i>	Inkweed	Other invasive
<i>Pinus elliottii</i>	Slash pine	Other invasive
<i>Plantago lanceolata</i>	Ribwort plantain	Other invasive
<i>Polygala virgata</i>	Boom milkwort	Other invasive
<i>Prunus persica</i>	Flowering peach	Other invasive
<i>Senecio madagascariensis</i>	Fireweed	Category 3
<i>Senna septemtrionalis</i>	Arsenic bush	Other invasive
<i>Setaria sphacelate</i>	South African pigeon grass	Other invasive
<i>Solanum nigrum</i>	Blackberry nightshade	Other invasive
<i>Tagetes minuta</i>	Stinking roger	Other invasive
<i>Verbena bonariensis</i>	Purple vervain	Other invasive