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Your ref: [0000]
Our ref: 12596020

04 June 2025

Department of Water and Environmental Regulation
Native Vegetation Clearing Branch
Locked Bag 10
Joondalup
WA 6919

Via email: info@dwer.wa.gov.au

Temporary Workers Accommodation Western Power Native Vegetation Clearing Referral

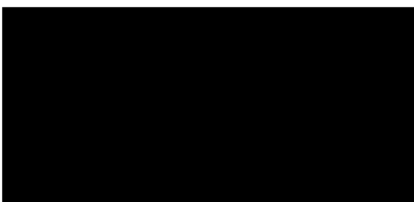
To whom it may concern

The Shire of Northampton is proposing to clear an area of native vegetation to be used for electricity supply upgrade by Western Power along the Kalbarry-Ajana Road and Anchorage Lane. Western Power has designed the installation and scope of the work. The total area of native vegetation to be cleared is approximately 0.0079 hectare.

GHD has undertaken a preliminary assessment of the proposed clearing and considered that the environmental impact is likely to be low. Supporting documentation is provided with this letter outlining the assessment of the proposed clearing of native vegetation against the criteria under section 51DA (4) of the *Environmental Protection Act 1986*.

Should you require further information or clarification, please contact the undersigned or the Shire of Northampton CEO at [REDACTED]

Regards



Copy to: Shire of Northampton, Western Power

1. Introduction

The Shire of Northampton is proposing to clear an area of native vegetation to be used for electricity supply upgrade by Western Power along Kalbarry-Ajana Road and Anchorage Lane in Kalbarri. The proposed work will include installation of a new uni pillar on 25 Anchorage Lane, a 240LV cable and a CT meter in customer switchboard with required connections and terminations. Western Power has designed the installation and scope of work presented in Appendix A (Drawing number NP031868).

Utilisation of existing cleared land was considered during the design phase of proposed works. However, the proposed works will require clearing of native vegetation in four sections along the Kalbarri-Ajana Road and a 67 metre (m) stretch along Anchorage Lane. The total area of native vegetation to be cleared is approximately 0.0079 hectares (ha).

1.1 Purpose of this report

The purpose of this report is to support a Native Vegetation Clearing Referral (NVCR) submitted to the Department of Water and Environmental Regulation (DWER) by the Shire of Northampton. This document provides further context and understanding of the clearing referred to DWER and assesses the proposed clearing against the DWER criterion.

1.2 Scope and limitations

This report: has been prepared by GHD for the Shire of Northampton and may only be used and relied on by Native Vegetation Clearing Branch for the purpose agreed between GHD and Native Vegetation Clearing Branch as set out in section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than Native Vegetation Clearing Branch arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

Accessibility of documents

If this report is required to be accessible in any other format, this can be provided by GHD upon request and at an additional cost if necessary.

2. Description of clearing activities

Clearing of up to 0.0079 ha native vegetation will be undertaken in areas presented in Table 1. Western Power has designed the proposal to avoid and minimise the potential impacts to the environment associated with clearing activities by utilisation of existing cleared areas and tracks, undergrounding of cables and conducting drilling instead of trenching (see drawing NP 031868 provided in Appendix A).

Table 1 Location of proposed clearing activities

Location	Area (clear) or length (trim)
Kalbarri - Ajana Road 27, 42, 3.1428 Lat, 114, 10, 20.5543 Long Pole S448791	4m ² clearing
Kalbarri - Ajana Road 27, 42, 2.8418 Lat, 114, 10, 20.9801 Long	3.5m ² clearing
Kalbarri - Ajana Road 27, 42, 1.6070 Lat, 114, 10, 22.6919 Long	3.5m trimming
Kalbarri - Ajana Road 27, 42, 1.6070 Lat, 114, 10, 22.6919 Long	1m ² clearing
Anchorage Lane	67m stretch estimated 16m ² clearing and 40m trimming

3. Existing environment

3.1 Climate

The Murchison area experiences a warm Mediterranean climate with mild, wet winters and warm, dry summers. The Bureau of Meteorology (BoM) Kalbarri Station (site number: 008251) is the nearest weather station with long term data. Temperature data from the Kalbarri weather station indicates that the mean maximum temperature ranges from 34.1°C in February to 21.9 °C in July, with an annual mean maximum temperature of 27.8°C. The Kalbarri area has a mean annual rainfall of 342.2 mm, predominantly falling May through August (BoM 2025). Figure 1 presents the temperature and rainfall statistics from the Kalbarri weather station.

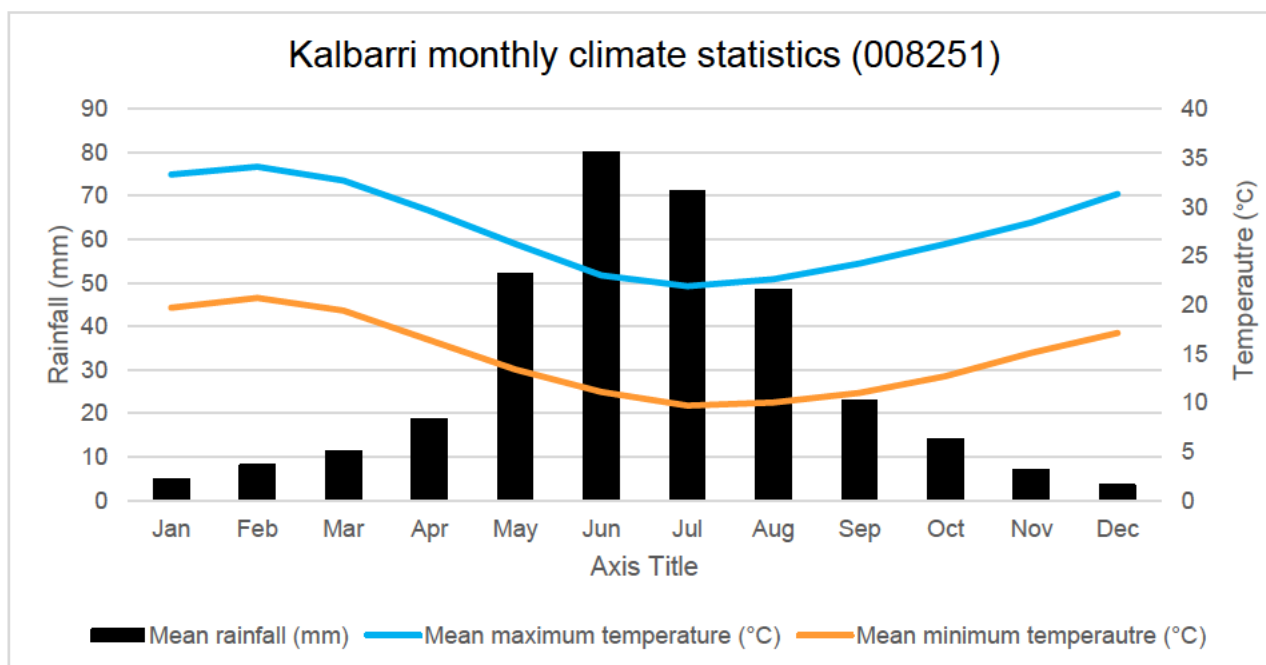


Figure 1 Kalbarri monthly climate statistics (BoM weather station: 008251) (BoM 2025)

3.2 Land Use

The clearing area lies along the Anchorage Lane and Clotworthy road reserve adjacent to Lot 500 (within the Class C Reserve R35559), Lot 202 and Lot 11715 (within the Class C reserve R26591). The land use of the area will remain as road verge/reserve.

3.3 Geology and soils

The soil landscape of the clearing area is rugged plateaux crests, valleys, gorges and slopes on sandstone supporting patchy low to tall mixed shrublands of acacias, melaleucas and heath species (DPIRD 2025b).

Topography within the area of the clearing site doesn't vary with the entire proposed clearing area located on flat sandy ground, adjacent to roads and tracks.

A review of Acid Sulfate Soil (ASS) risk mapping indicates that ASS is not present in any of the proposed clearing areas. The closest possible ASS site is along the banks of the Murchison River, which at its closest point is approximately 325 meters away (DWER 2017).

3.4 Hydrology

The proposed clearing areas are situated in the Gascoyne Groundwater Area proclaimed under the *Rights in Water and Irrigation Act 1914* (RiWI Act 1914) (DWER 2018a). There are no public drinking water source areas within the proposed clearing areas. The Kalbarri Water Reserve is located approximately 750 meters east.

There are no surface waters proclaimed under the RiWI Act or water management areas proclaimed under the *Waterway Conservation Act 1976* within the proposed clearing areas (DWER 2018b, DWER 2018C).

The proposed clearing areas are not located within any internationally or nationally important wetlands. The closest important wetland is the Murchison River (Lower Reaches) listed in the Directory of Important Wetlands in Australia (DBCA 2025a) located approximately 260 meters east of the nearest clearing area.

3.5 Flora and Vegetation

The proposed clearing areas lie within the Geraldton Sandplains IBRA bioregion and the Geraldton Hills IBRA subregion. The Geraldton Sandplains bioregion comprises the central and northern Perth Basin, the Pinjarra Orogen, and the south end of the Carnarvon Basin. Outcrops of Jurassic siltstones and sandstones can be heavily lateralized. Extensive proteaceous heaths and scrub-heaths, often with emergent mallee *Banksia* and *Actinostrobus*, occur on an undulating, lateritic sandplain mantling Permian to Cretaceous strata. These heaths are rich in endemics. Sandplains are most extensive in the north and southeast where the region overlaps the edges of the Carnarvon Basin and Yilgarn Craton respectively. Extensive York Gum and Acacia woodlands occur on alluvial outwash plains associated with drainage and with valleys in the hill country. Areas of coastal aeolian sands and limestone support proteaceous heath and Acacia scrubs (Desmond and Chant 2002).

Pre European vegetation mapping published by the Department of Primary Industries and Regional Development classifies the proposed clearing area as Zuytdorp 17 system association, which can be described as thickets of Wattle, Casuarina and Teatree (DPIRD 2019b). This system association has more than 99.4% of its pre-European extant remaining within Western Australia (DBCA 2019a).

There are no Priority Ecological Communities (PEC) or Threatened Ecological Communities (TEC) within the proposed clearing areas. The nearest mapped PEC is 17 km from the clearing areas. The proposed clearing areas do not intersect any DBCA managed land or waters.

A search of the online database Dandjoo identified 1522 previously recorded taxa within a 40 km radius from the clearing area (-27.699540 LAT, 114.173230 LON) (221233.08 Easting, 6932882.19 Northing) (DBCA 2025b). There are no significant flora identified in or within a 100 m radius of the clearing area (DBCA 2025).

The Protected Matters Search Tool (PMST) was used to check if the proposed clearing impacts to any matters protected under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). The summary of the report shows that there are 40 threatened species listed under the EPBC Act that may occur in or may relate to the area to be cleared. The summary of the report is provided in Appendix C.

A brief site visit was conducted to determine the state of the vegetation within the proposed clearing areas. The site visit confirmed that the majority works will be undertaken within cleared land and on existing tracks. Photographs of excavation route are presented in Appendix D.

Vegetation within the clearing area has been modified but consists of mixed shrub land of proteaceous myrtaceous and *Acacia* species. Adjacent to the proposed clearing area are scattered Eucalyptus species in areas of open woodland.

The vegetation condition within the proposed clearing area is Degraded to Completely Degraded (EPA 2016). As shown in the site reference photos vegetation within the clearance area has been subject to numerous disturbances, including:

- historical clearing
- vehicle tracks
- vegetation management under powerlines
- numerous introduced species.

The vegetation present is in degraded and completed degraded condition and is unlikely to support the existence of the threatened flora species identified within the desktop assessment. Therefore, it is unlikely that proposed clearing will impact any threatened flora listed under the *Biodiversity Conservation Act 2016* (BC Act) or EPBC Act. Photographs of the vegetation affected by proposed clearing are taken during the field visit and are presented in Appendix E.

3.6 Fauna

Given the Degraded to Completely Degraded condition of the vegetation it is unlikely that the proposed clearing area represents habitat that could support conservation significant fauna species. The Dandjoo search identified 935 previously recorded taxa identified within a 40 km radius from the clearing area (-27.699540 LAT, 114.173230 LON) (221233.08 Easting, 6932882.19 Northing) (DBCA 2025b). There were no significant fauna identified in or within a 100m radius of the proposed clearing area.

3.7 Environmentally Sensitive Areas

No Environmentally Sensitive Areas (ESAs) intersect the clearing areas. The closest ESAs are within 200 m, 700 m, and 2.7 km to the nearest clearing area (Environment Online 2025).

4. Suitability for referral process

The Native Vegetation Clearing Referrals Guideline (DWER 2021) outlines nine suitability aspects for clearing activities to be deemed appropriate for a clearing referral. Table 2 presents the clearing referral suitability.

Table 2 Clearing referral suitability

Aspect	Assessment	Suitability
Land that is subject to reserve or conservation covenant under the <i>Soil and Land Conservation Act 1945</i> (SLC Act)	The proposed clearing area is not subject to reserve or conservation covenant under the SLC Act.	Suitable for clearing referral

Aspect	Assessment	Suitability
Land that is subject to an environmental protection covenant under Part VB of the EP Act	The proposed clearing area is not subject to an environmental protection covenant.	Suitable for clearing referral
Clearing timeframe	This clearing will be completed within 2 years	Suitable for clearing referral
Will contravene the requirements of a soil conservation notice issued under Part V of the SLC Act	The proposed clearing will not contravene the requirements of a soil conservation notice.	Suitable for clearing referral
Will or is likely to have a significant impact on matters of national environmental significance (MNES)	The PMST identified 40 Threatened species listed under the EPBC Act that are likely to occur in, or may relate to, the area proposed be cleared. However, a site visit following the desktop assessment identified that it is unlikely threatened flora species occur within the proposed clearing areas due to the degraded condition of the vegetation within the proposed clearing area.	Suitable for clearing referral
Includes marine native vegetation clearing activities	No marine vegetation is present.	Suitable for clearing referral
May impact on protected or otherwise significant flora or fauna	The proposed clearing has been designed to utilise the existing tracks and cleared areas. Given there is minimal to no vegetation present at the site, it is unlikely that threatened flora occur in the proposed areas. Considering the vegetation condition within the proposed clearing areas, it is unlikely the area to contain any habitat for significant conservation fauna.	Suitable for clearing referral
Will be within a highly cleared landscape or an area containing limited or restricted native vegetation types	The proposed clearing area is located within region that remains highly vegetated and does not contain restricted vegetation types.	Suitable for clearing referral
Is on land previously reserved as an environmental offset under the conditions of another approval under the EP Act	The proposed clearing area is not on land previously reserved as an environmental offset.	Suitable for clearing referral

4.1 Assessment against the DWER Criterion

A Project that meets the four DWER criteria is exempt from requiring a permit (DWER 2021). The clearing required within the proposed clearing areas satisfies the four DWER criteria and hence no permit will be required.

4.1.1 *Criterion 1: The area proposed to be cleared is small relative to the total remaining vegetation*

Under consideration of Criterion 1, DWER assess the size of the proposed clearing relative to the remaining vegetation in the region and the remaining vegetation of the ecological community to be cleared.

The area proposed to be cleared is small relative to the total remaining vegetation, as shown in Table 3. The proposal satisfies this criterion.

Table 3 DWER Criterion 1 Thresholds

Thresholds for a permit to be required	Proposed clearing
More than 5 ha is proposed to be cleared (Extensive Land Use Zone)	Total area to be cleared is 0.0079 ha, which is less than 5 ha.
Less than 30% of that native vegetation association or complex is remaining within the relevant IBRA bioregion	All vegetation associations have at least 99.4% remaining across all extents.
Less than 30% native vegetation is remaining within a 10 km buffer of the proposed clearing	There remains greater than 30% native vegetation within a 10km buffer of the proposed clearing.

4.1.2 Criterion 2: There are no known or likely significant environmental values within the area

Under consideration of Criterion 2, DWER consider the potential impacts on various environmental values within the proposed clearing. There are no known or likely significant environmental values within the clearing area as described in Table 4. The proposal satisfies this criterion.

Table 4 DWER Criterion 2 Considerations

Environmental Value	Impacts of proposed clearing
Vegetation condition	Vegetation condition ranges from Degraded to Completely Degraded
Significant fauna	A total of 31 threatened fauna have been found in a 5km area near the clearing site. However, based on the desktop survey and site visit, it is unlikely that significant fauna are located within the clearing area due to the degraded condition of the vegetation.
Fauna habitat	The fauna habitats present represent limited value to fauna due to the degraded condition of the vegetation and the current and historical disturbances. Clearing at each area is minor adding up to 0.0079 ha and is located next to existing cleared tracks.
Significant ecological linkage	The proposed clearing is not part of a significant ecological linkage, nor will it disrupt the movement of fauna through the region.
Mapped ecological community	No TECs or PECs are located in the clearing area. The two nearest PECs are located approximately 17km southeast and 20km northeast.
Significant flora	Based on desktop survey it is unlikely that any significant flora are located within the clearing area. Nine threatened plants are found in a 5km area near the clearing site; however, the degraded condition of the vegetation is unlikely to support the existence of Threatened flora.
Mapped wetland	The clearing site does not intersect any mapped wetlands.
Mapped watercourse	The clearing site does not intersect any mapped watercourses.
Water resources	It is considered unlikely that proposed clearing will significantly disturb or interrupt natural drainage and surface run-off patterns. No Public Drinking Water Source Areas are present within the clearing sites, with the nearest approximately 750 meters east.
Conservation reserve	The clearing sites do not intersect any conservation reserve. The nearest DBCA National Park is located approximately 750 meters away.
Land and soil quality	Acid sulfate soils are not present in a clearing area. The proposed clearing will not alter hydrogeological regimes due to the minimal extent of clearing within a larger area. The clearing is unlikely to cause deterioration in surface water or ground water quality.
Heritage and native title	Clearing site is located within public boundary of registered site Bula-Guda Guda (Site ID 7186). However, the proposed works are not within the actual boundary as administered by DPLH.

4.1.3 *Criterion 3: The state of scientific knowledge of native vegetation within the region is adequate*

Under consideration of Criterion 3, DWER reviews the current state of scientific knowledge within the clearing area and the wider region. Details of native vegetation in the region are contained in DBCA databases.

The state of scientific knowledge of native vegetation within the region is adequate for the minor nature of the proposed clearing. The proposal satisfies this criterion.

4.1.4 *Criterion 4: Conditions will not be required to manage environmental impacts*

Under consideration of Criterion 4, DWER assesses if the applicant has implicated the mitigation hierarchy when planning the clearing activity.

Western Power will apply their minimisation strategy as per the vegetation instructions. There is no direct effect on any threatened fauna, flora, or PECs/TECs as identified by desktop survey. The clearing area is outside of any protected areas, waterways and heritage places. This minimal effect is due to the small clearing area required (0.0079 ha).

The proposal satisfies this criterion.

5. Other approvals

Aboriginal Heritage values

A review of the Register of Places and Object, as well as the Department of Planning, Lands and Heritage Aboriginal Heritage Database concluded that the proposed clearing area is within the public boundary of Registered Site Bula-Guda (Site ID 7186). However, the proposed works are not within the actual boundary as administered by DPLH. The Aboriginal Heritage Advice letter provided in Appendix F states that no approvals under the *Aboriginal Heritage Act 1972* (AHA) are required in this instance as the proposed works indicate that no interference will take place with any known Aboriginal Heritage.

6. References

- Bureau of Meteorology (BoM) 2025. Climate statistics for Australian locations. https://reg.bom.gov.au/climate/averages/tables/cw_008251.shtml
- Department of Biodiversity, Conservation and Attractions (DBCA) 2025b. Dandjoo. <https://dandjoo.bio.wa.gov.au/>
- Desmond, A. and Chant, A. 2002. A Biodiversity Audit of Western Australia's 53 Biogeographical Subregions (p. 265). <https://library.dbca.wa.gov.au/FullTextFiles/021927.020.pdf>
- Department of Water and Environmental Regulation (DWER) 2021. Guideline: Native vegetation clearing referrals. **Guideline - Native vegetation clearing referrals**
- Environment Online 2025. Interactive map · Environment Online. <https://environmentonline.dwer.wa.gov.au/interactive-map/>
- Department of Water and Environmental Regulation (DWER) 2017. Acid Sulfate Soil Risk Map, Estuaries (DWER-050). <https://catalogue.data.wa.gov.au/dataset/acid-sulfate-soil-risk-map-estuaries-dwer-050>
- Department of Water and Environmental Regulation (DWER) 2018a. RIWI Act, Groundwater Areas (DWER-034). <https://catalogue.data.wa.gov.au/dataset/riwi-act-groundwater-areas>
- Department of Water and Environmental Regulation (DWER) 2018b. RIWI Act, Surface Water Areas and Irrigation Districts (DWER-037). <https://catalogue.data.wa.gov.au/dataset/riwi-act-surface-water-areas-and-irrigation-districts>
- Department of Water and Environmental Regulation (DWER) 2018c. Surface Water Management Areas (DWER-041). <https://catalogue.data.wa.gov.au/dataset/surface-water-management-areas>
- Department of Biodiversity, Conservation and Attractions (DBCA) 2019a. DBCA Statewide Vegetation Statistics. <https://catalogue.data.wa.gov.au/dataset/dbca-statewide-vegetation-statistics>
- Department of Primary Industries and Regional Development (DPIRD) 2019b. Pre-European Vegetation (DPIRD-006). <https://catalogue.data.wa.gov.au/dataset/pre-european-dpird-006>
- Department of Biodiversity, Conservation and Attractions (DBCA) 2025a. Directory of Important Wetlands in Australia - Western Australia (DBCA-045). <https://catalogue.data.wa.gov.au/dataset/directory-of-important-wetlands-in-western-australia>
- Department of Primary and Regional Development Industries (DPIRD) 2025. Soil Landscape Mapping - Best Available (DPIRD-027). <https://catalogue.data.wa.gov.au/dataset/soil-landscape-mapping-best-available>

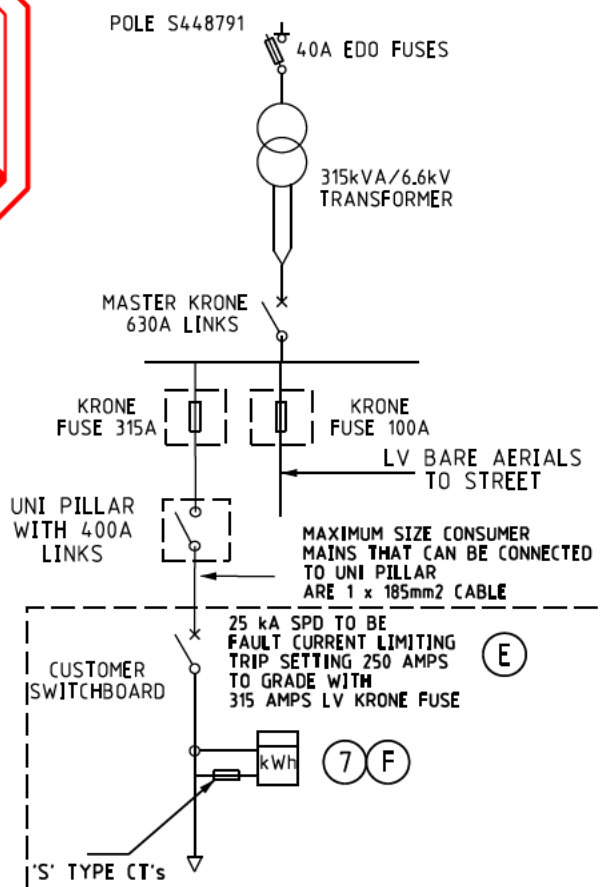
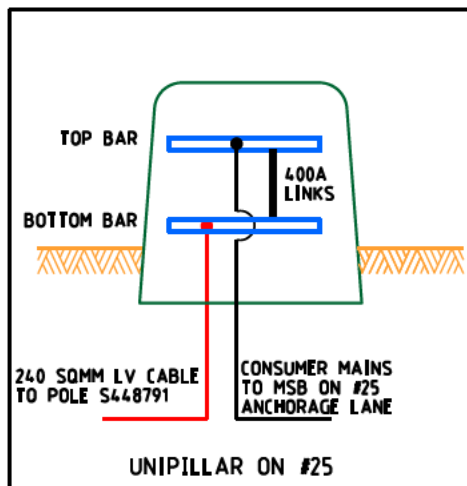
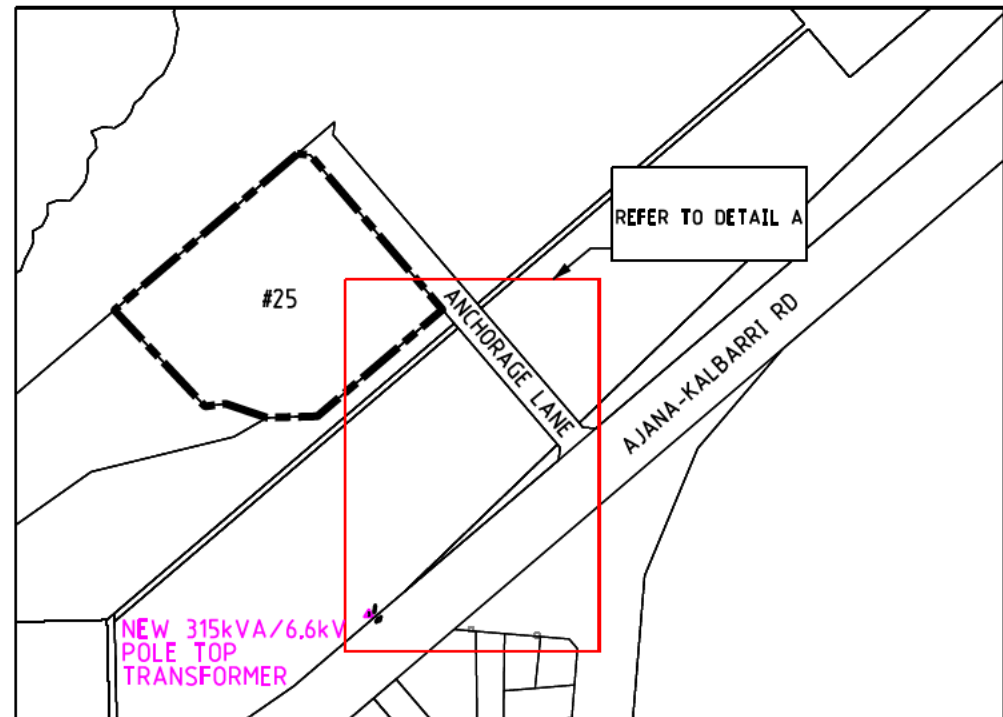
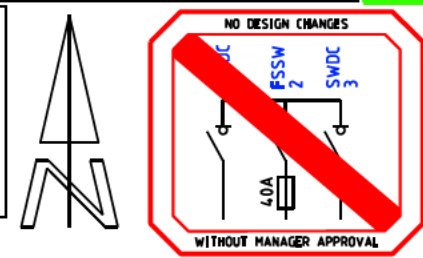
Appendices

Appendix A

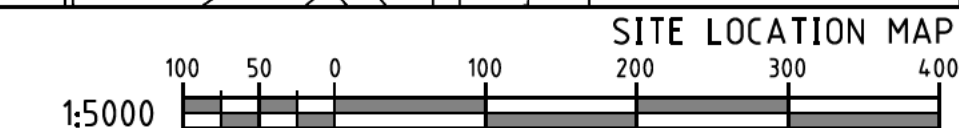
**Issued for Construction Drawings
(Western Power)**

TO BE CONSTRUCTED DE-ENERGISED UNLESS RISK ASSESSED

ISSUED FOR CONSTRUCTION



SINGLE LINE DIAGRAM



WESTERN POWER SCOPE OF WORK

1. INSTALL UNI PILLAR ON #25 ANCHORAGE LANE AS PER ZONE EXCLUSION DETAIL (WASIR CL. 12.5.3) AND AS PER DESIGN DRAWING.
CU: LU11 x 1
DCSH: U09
2. INSTALL NEW 240LV CABLE FROM NEW UNI PILLAR TO POLE S448791.
CU: CN45 x 315m, CN73_LVMIAN x 6, CN54 x 3, LU2 x 1.
3. ON POLE S448791:
REPLACE EXISTING POLE WITH NEW 12.5m/8kN POLE.
INSTALL NEW 3PH HV INTERMEDIATE CROSSARM.
INSTALL NEW DOF CROSSARM FITTED WITH 40A EDO FUSES.
INSTALL NEW 3PH 315kVA/6.6kV PTTX.
INSTALL NEW 3PH INLINE STRAIN CROSSARM.
INSTALL 3 x NEW KRONE BOXES AND CONNECT AS PER SLID.
TAP HV BARE TO PTTX VIA DOFS TO BE "ON".
TAP LV BARE NORTH-EAST TO PTTX VIA KRONE BOX TO BE "ON".
DIRECT TAP LV BARE NORTH-EAST TO SOUTH-WEST.
TERMINATE NEW 240 LV CABLE TO PTTX VIA KRONE BOX TO BE "ON".
REPLACE/RECONNECT EXISTING CUSTOMER AERIAL SERVICES.
CU: PO9_R x 1, HV1_3HS x 1, HV20_3H x 1, HV51_40EDO x 3, LV3_W3 x 1, LV8_3P x 1, LV8_TP x 1, TX8_315/6.6 x 1, CN9_7/475AA x 15, CN13_7/475AA x 8, CN26_7/475 x 3, CN39_150/4M x 2, CN 70_150 x 15
NON-CU: FC0110 x 6, CB0204 x 1, GF2130 x 3
DCSH: H10-1, R13-3, R8/3
4. TERMINATE NEW 240LV CABLE ON TO POLE S448791. TAP NEW 240LV TO PPTX THROUGH KRONE BOX FITTED WITH 315A FUSE.
CU: LU61_240_3PQ x 1, LU61_240_3PU x 1
NON-CU: GF1101 x 3
DCSH: U19-3
5. TERMINATE NEW 240LV CABLE INTO NEW UNI PILLAR BOTTOM BAR. INSTALL 400 AMP LINKS.
CU: LU07 x 1, LU36_LINK x 1
DCSH: U09
6. TERMINATE CUSTOMER'S CABLE TO NEW UNI PILLAR TOP BAR IN CONJUNCTION WITH THE CUSTOMER'S ELECTRICAL CONTRACTOR.
7. INSTALL CT METER IN CUSTOMERS SWITCHBOARD.
CU: LM1 x 1
8. REMOVE EXISTING CUSTOMER SERVICE LINE FROM POLE S446018. ENVIRONMENTAL FILTER CHECKED
9. THE FOLLOWING ENVIRONMENTAL ISSUES HAVE BEEN IDENTIFIED FOR THIS PROJECT. ALL RELEVANT PERMITS / PROCEDURES MUST BE OBTAINED / ADHERED TO:

1. INFRASTRUCTURE:
THE WORKS PARTIALLY OCCUR WITHIN THE ANCHORAGE LANE AND CLOTWORTHY STREET ROAD RESERVE. UNDER THE MANAGEMENT OF THE LOCAL GOVERNMENT AUTHORITY (LGA), PRIOR TO CONSTRUCTION, A NOTIFICATION OF WORKS (EDM 34174076) MUST BE SUBMITTED TO THE RELEVANT LGA AT LEAST 10 DAYS BEFORE WORKS COMMENCE IN A LOCAL ROAD RESERVE (EXCLUDING INSPECTIONS).

CUSTOMER SCOPE OF WORK

- A. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS.
- B. PILLAR EXCLUSION ZONE TO BE PREPARED AS PER THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS CLAUSE 12.5.3. THIS INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

1. PEGGING THE PILLAR LOCATION AND ADJACENT BOUNDARY LOCATION PRIOR TO CONSTRUCTION.

2. ONLY EASILY REMOVABLE SURFACE TREATMENT IS TO BE INSTALLED IN THIS AREA, SUCH AS BRICK PAVING.

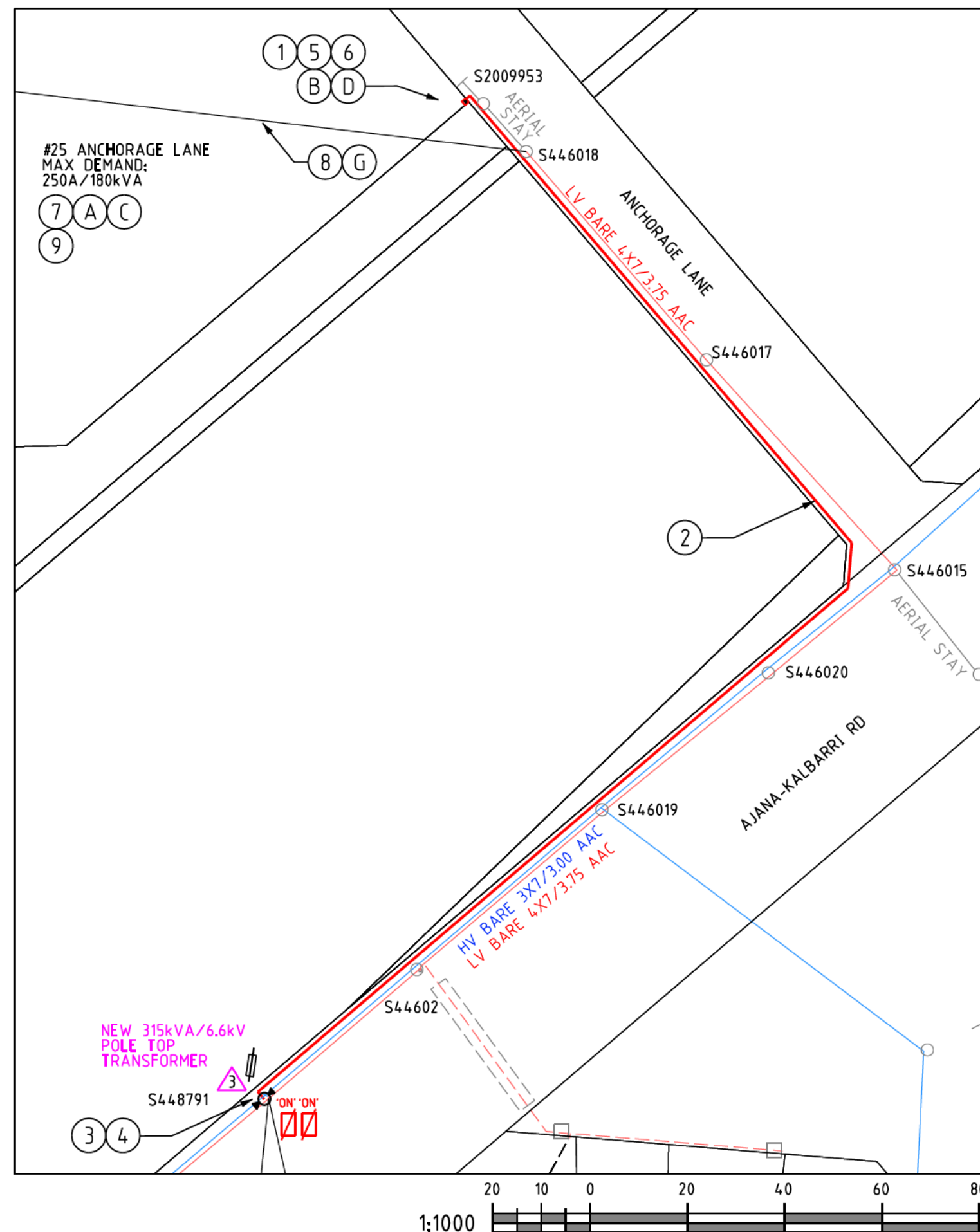
3. CLEAR OF ALL SERVICES INCLUDING CONTAMINATED SOIL, ASBESTOS ETC.

4. LOCATED 300mm ABOVE 100 YEAR FLOOD LEVEL AND NOT IN A PRECARIOUS POSITION.
- C. CUSTOMER MUST COMPLY WITH POWER QUALITY LIMITS AS PER SA/SNZ TS IEC 61000.3.5 AND WESTERN POWER TECHNICAL REQUIREMENTS.
- D. CUSTOMER ELECTRICAL CONTRACTOR IS TO SUPPLY SUITABLE LUGS AND CRIMPING TOOLS FOR TERMINATION OF CUSTOMERS CABLE.
- E. CUSTOMER ELECTRICAL CONTRACTOR TO ENSURE CUSTOMER'S SPD GRADES WITH WESTERN POWER'S UPSTREAM PROTECTION AS NOTED ON THE SIMPLIFIED LINE DIAGRAM.
- F. CUSTOMER TO SUPPLY AND INSTALL 'S' TYPE METERING CT's.
- G. CUSTOMER RESPONSIBLE TO REMOVE EXISTING CUSTOMER SERVICE POLE AFTER THE COMPLETION OF WORK.
- H. ENVIRONMENTAL FILTER CHECKED

1. VEGETATION
THE WORKS REQUIRE CLEARING OF 656m2 OF NATIVE VEGETATION. ALL CLEARING REQUIREMENTS FOR THIS PROJECT ARE TO BE DETERMINED BY THE PROJECT TEAM. AS THIS IS A CUSTOMER FUNDED PROJECT, THE CUSTOMER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CLEARING APPROVALS AND, PRIOR TO WESTERN POWER COMMENCING WORKS, THE CUSTOMER IS REQUIRED TO PROVIDE A COPY OF EITHER:

1. A CLEARING PERMIT ISSUED IN THE CUSTOMER'S NAME; OR
2. A REFERRAL DETERMINATION NOTICE ISSUED BY DWER CONFIRMING A CLEARING PERMIT IS NOT REQUIRED BY THE CUSTOMER; OR
3. WRITTEN DETAILS OF A RELEVANT CLEARING PERMIT EXEMPTION AND SUPPORTING DOCUMENTS (REGULATOR CORRESPONDENCE/LANDOWNER EXEMPTION CLEARING LETTER EDM 46147597)

THIS MUST BE SUBMITTED TO WESTERN POWER AND THE RELEVANT LGA PRIOR TO CLEARING.



2. FLORA
THREATENED OR PRIORITY FLORA MAY BE PRESENT. DBCA RECORDS FOR PRIORITY 4 FLORA ARE LOCATED APPROXIMATELY 50M FROM THE WORKS. THE CUSTOMER SHALL UNDERTAKE ANY NECESSARY FLORA SURVEYS AND IF REQUIRED OBTAIN RELEVANT APPROVALS TO CLEAR THREATENED OR PRIORITY FLORA. THE CUSTOMER SHALL UNDERTAKE ANY NECESSARY FLORA SURVEYS AND IF REQUIRED OBTAIN RELEVANT APPROVALS TO CLEAR THREATENED OR PRIORITY FLORA. ALL SURVEYS AND APPROVALS SHALL BE PROVIDED TO WESTERN POWER FOR RECORDKEEPING AND REVIEW.
3. FAUNA
THE WORKS REQUIRE CLEARING OF 656m2 OF VEGETATION. SURROUNDING EXISTING NATIVE VEGETATION MAY BE CONDUCTIVE TO THE WORKS AREA BEING USED AS A FAUNA CORRIDOR. THE CUSTOMER SHALL UNDERTAKE ANY NECESSARY FAUNA SURVEYS AND IF REQUIRED OBTAIN RELEVANT STATE/COMMONWEALTH APPROVALS FOR IMPACTS TO THREATENED OR PRIORITY SPECIES &/OR ITS HABITAT. ALL SURVEYS, APPROVALS AND RELEVANT MANAGEMENT ACTIONS SHALL BE PROVIDED TO WESTERN POWER FOR RECORD KEEPING AND REVIEW.
4. ABORIGINAL HERITAGE
THE WORKS ARE LOCATED WITHIN A REGISTERED ABORIGINAL HERITAGE PLACE. (ACH DIRECTORY PLACE 7186 BULA-GUDAI). IT IS THE CUSTOMER'S RESPONSIBILITY TO COMPLETE THEIR OWN DUE DILIGENCE ASSESSMENT AND PROVIDE WESTERN POWER WITH THE EVIDENCE OF SURVEYS/CONSULTATIONS AND APPROVALS (WHERE APPLICABLE) PRIOR TO THE COMMENCEMENT OF WORK.
5. NATIVE TITLE
THE WORKS ARE WITHIN WC2000/013, WC2018/010 NANDA PEOPLE AND NANDA #2 NATIVE TITLE SUBJECT TO NATIVE TITLE AGREEMENTS. THE CUSTOMER SHOULD UNDERTAKE DUE DILIGENCE TO DETERMINE WHETHER APPROVALS ARE REQUIRED. EVIDENCE OF THIS UNDERTAKING AND SUBSEQUENT APPROVALS/OUTCOMES SHOULD BE SUBMITTED TO WESTERN POWER PRIOR TO COMMENCEMENT OF WORKS.

LEGEND

SCHEME BDY.
RETAINING WALL
RESTRICTED ZONE
EASEMENT
BITUMEN ACCESS

OH EQUIPMENT

INTERMEDIATE PTS
 DOF HV ISOLATOR
 INLINE STRAIN LV DISCONNECTOR
 PTT ISOL TX
 AERIAL STAY OUTRIGGER STAY
 RECLOSER GROUND STAY
 LOAD BREAK SWITCH SECTIONALISER
 CAPACITOR LV ABC KRONE
 LBPTS STREETLIGHT BOX

AERIAL CONDUCTORS AND POLES

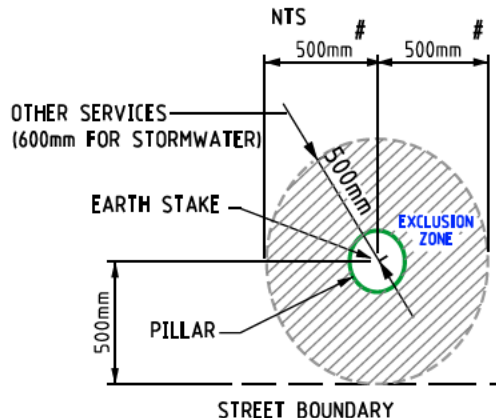
NEW POLE (ANY TYPE AS INDICATED)
 EXISTING POLE (ANY TYPE AS INDICATED)
 HV LV EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)

LV-SL CABLES

CN45 - 240mm2 (1x3c)
CN44 - 185mm2 (1x3c)
CN43 - 120mm2 (1x3c)
CN42 - 25mm2 (1x3c)
CN41 - 16mm2 SL (1c)
40 C PILOT
EXISTING LV CABLES (SIZE AND TYPE INDICATED)
70 SQ MM EARTH CABLE

PILLARS / PITS / ETC
 MINI (WORKING END) UMS PIT
 UNIVERSAL UTILITIES PIT
 MINI BGSP PIT
 LINK 100/200AMP CUTOUT
 CABLE MARKER U/G CONDUIT / POLY PIPE
 Serviced Uncleared De-energised Lot HV Earth

TYPICAL PILLAR EXCLUSION ZONE



VENDOR CONTACT DETAILS

COMPANY NAME: APD ENGINEERING

CONTACT: MUHAMMAD TAIMOUR TEL: 0892121500

CUSTOMER CONTACT DETAILS

CUSTOMER REF: WS-42953523M9

CONTACT: ANDREW CAMPBELL TEL: 0427389227

COMMERCIAL SUPPLY UPGRADE

250A/180kVA/415V MAX DEMAND

25 ANCHORAGE LANE, KALBARRI
NETWORK VOLTAGE - 6.6kV/415V

DESIGNER: CUSTOMER CONNECTION DESIGN

DESIGN TEAM: CCS SBM QAT - APD

EMAIL: ccs.sbm.qat@westernpower.com.au

TEL: 13 10 87

DATE: 01/25 SCALE: AS NOTED @ A2

GEO REF: Lat: 27° 41' 56.75482" S
Lon: 114° 10' 22.19909" E

MAP REF: N/A



DRAWING NUMBER

NP031868

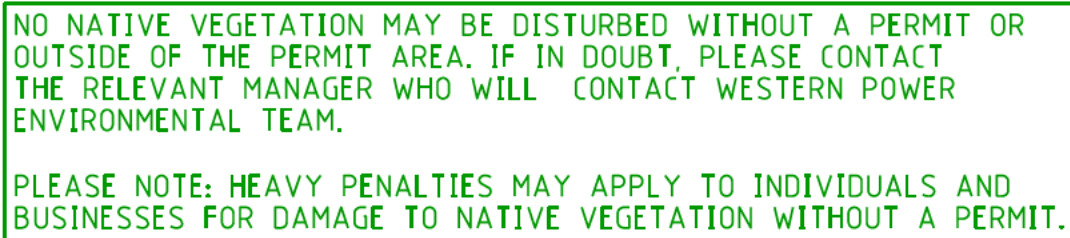
SHEET 01 OF 02

REV: A ORIGINAL SIZE - A2

Rev.	ISSUED FOR CONSTRUCTION	M.T.	01/25	HAZARD MANAGEMENT REGISTER EDM#: 69268360
Rev.	REVISIONS	DRN	DATE	FILE REFERENCE DETAILS

SHE ASSESSMENT REPORT EDM#: 68922659

HAZARD MANAGEMENT REGISTER EDM#: 69268360



The logo for Western Power is located in the top left corner, featuring a stylized graphic of three stacked blocks in grey, orange, and grey. To the right of the logo, the text "westernpower" is written in a bold, lowercase, sans-serif font. Below the logo and text is a large rectangular box containing the drawing number "NP031868" in a large, bold, black font. Below the drawing number is the text "SHEET 02 OF 02" in a smaller, bold, black font. At the bottom of the box are two smaller rectangular boxes: the left one contains "REV: A" and the right one contains "ORIGINAL SIZE - A2".

Appendix B

Environmental Desktop Search



Australian Government

Department of Climate Change, Energy,
the Environment and Water

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: 14-May-2025

[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	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	40
Listed Migratory Species:	30

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:	32
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:	None
Regional Forest Agreements:	None
Nationally Important Wetlands:	1
EPBC Act Referrals:	1
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

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
BIRD		
Aphelocephala leucopsis Southern Whiteface [529]	Vulnerable	Species or species habitat known to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat known to occur within area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Diomedea amsterdamensis Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area
Leipoa ocellata Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Limosa lapponica menzbieri Northern Siberian Bar-tailed Godwit, Russkoye Bar-tailed Godwit [86432]	Endangered	Species or species habitat known to occur within area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Phaethon rubricauda westralis Red-tailed Tropicbird (Indian Ocean), Indian Ocean Red-tailed Tropicbird [91824]	Endangered	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Species or species habitat known to occur within area
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Zanda latirostris listed as Calyptorhynchus latirostris		
Carnaby's Black Cockatoo, Short-billed Black-cockatoo [87737]	Endangered	Species or species habitat known to occur within area
MAMMAL		
Dasyurus geoffroii		
Chuditch, Western Quoll [330]	Vulnerable	Translocated population known to occur within area
Macroderma gigas		
Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area
Neophoca cinerea		
Australian Sea-lion, Australian Sea Lion [22]	Endangered	Species or species habitat may occur within area
PLANT		
Androcalva bivillosa		
Stragglng Androcalva [87807]	Critically Endangered	Species or species habitat may occur within area
Caladenia barbarella		
Small Dragon Orchid, Common Dragon Orchid [68686]	Endangered	Species or species habitat may occur within area
Caladenia bryceana subsp. cracens		
Northern Dwarf Spider-orchid [64556]	Vulnerable	Species or species habitat may occur within area
Caladenia elegans		
Elegant Spider-orchid [56775]	Endangered	Species or species habitat may occur within area
Caladenia hoffmanii		
Hoffman's Spider-orchid [56719]	Endangered	Species or species habitat likely to occur within area
Drakaea concolor		
Kneeling Hammer-orchid [56777]	Vulnerable	Species or species habitat likely to occur within area
Lechenaultia chlorantha		
Kalbarri Leschenaultia [16763]	Vulnerable	Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Stachystemon nematophorus Three-flowered Stachystemon [81447]	Vulnerable	Species or species habitat likely to occur within area
Wurmbea tubulosa Long-flowered Nancy [12739]	Endangered	Species or species habitat may occur within area
REPTILE		
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area
Egernia stokesii badia Western Spiny-tailed Skink, Baudin Island Spiny-tailed Skink [64483]	Endangered	Species or species habitat may occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area
SHARK		
Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat may occur within area
Sphyrna lewini Scalloped Hammerhead [85267]	Conservation Dependent	Species or species habitat likely to occur within area
SPIDER		
Idiosoma nigrum Shield-backed Trapdoor Spider, Black Rugose Trapdoor Spider [66798]	Vulnerable	Species or species habitat may occur within area
Listed Migratory Species		[Resource Information]
Scientific Name	Threatened Category	Presence Text
Migratory Marine Birds		

Scientific Name	Threatened Category	Presence Text
Anous stolidus Common Noddy [825]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardenna carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Species or species habitat likely to occur within area
Diomedea amsterdamensis Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area
Fregata ariel Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat likely to occur within area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area
Migratory Marine Species		
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area
Lamna nasus Porbeagle, Mackerel Shark [83288]		Species or species habitat may occur within area
Mobula alfredi as Manta alfredi Reef Manta Ray, Coastal Manta Ray [90033]		Species or species habitat known to occur within area
Mobula birostris as Manta birostris Giant Manta Ray [90034]		Species or species habitat may occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area
Pristis pristis Freshwater Sawfish, Largetooth Sawfish, River Sawfish, Leichhardt's Sawfish, Northern Sawfish [60756]	Vulnerable	Species or species habitat may occur within area
Migratory Terrestrial Species		
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Migratory Wetlands Species		

Scientific Name	Threatened Category	Presence Text
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat known to occur within area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Breeding known to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species	[Resource Information]	
Scientific Name	Threatened Category	Presence Text
Bird		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area
Anous stolidus Common Noddy [825]		Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area
Ardena carneipes as Puffinus carneipes Flesh-footed Shearwater, Fleshy-footed Shearwater [82404]		Species or species habitat likely to occur within area
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat known to occur within area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat may occur within area overfly marine area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area overfly marine area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area
Chalcites osculans as Chrysococcyx osculans Black-eared Cuckoo [83425]		Species or species habitat likely to occur within area overfly marine area
Diomedea amsterdamensis Amsterdam Albatross [64405]	Endangered	Species or species habitat may occur within area
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Fregata ariel Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat likely to occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area overfly marine area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Breeding known to occur within area
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area overfly marine area

Scientific Name	Threatened Category	Presence Text
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat may occur within area
Mammal		
Neophoca cinerea Australian Sea-lion, Australian Sea Lion [22]	Endangered	Species or species habitat may occur within area
Reptile		
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area

Extra Information

Nationally Important Wetlands		[Resource Information]
Wetland Name	State	
Murchison River (Lower Reaches)	WA	

EPBC Act Referrals				[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	
Not controlled action				
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	

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](#)
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- [-Ocean Biogeographic Information System](#)
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- [-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.

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Department of Climate Change, Energy, the Environment and Water

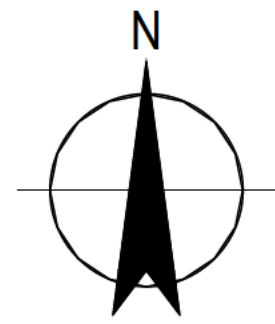
GPO Box 3090

Canberra ACT 2601 Australia

+61 2 6274 1111

Appendix C

Layout over aerial imagery



LEGEND

- E—E—E— PROPOSED UNDERGROUND ELECTRICAL CABLE
- E(OH)—E(OH)— EXISTING OVERHEAD ELECTRICAL CABLES
- E—E— EXISTING BELOW GROUND ELECTRICAL CABLES
- W—W— EXISTING BELOW GROUND WATER MAINS
- T—T— EXISTING BELOW GROUND TELSTRA CABLES
- CADASTRAL BOUNDARY

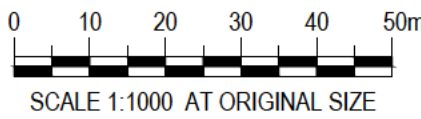


AERIAL IMAGE COURTESY OF NEARMAP.
DATE OF CAPTURE 21/05/2024

PLAN
SCALE 1:1000

A	INITIAL ISSUE	AK	22/05/2025
rev	description	app'd	date

plot date: 22 May 2025 - 12:36 PM plotted by: Steven Davies



file name: N:\AUPerth\Projects\611\2596020\CADD\Drawings\02_Workers_Camp\12596020-GHD-01-03-SKT-EL-00001.dwg



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project no.
12596020

SHIRE OF NORTHAMPTON
TEMPORARY WORKERS ACCOMMODATION
PORPOSED UNDERGROUND ELECTRICAL
CABLE ALIGNMENT

12596020-GHD-01-03-SKT-EL-00001

sketch no.

size
A1
rev no.
A

Appendix D

Photos – excavation route

Site Photographs



Photo 1 Starting point at 25 Anchorage Lane



Photo 2 Driveway at 25 Anchorage Lane



Photo 3 Anchorage Lane – looking southeast. Front pole is S2009953



Photo 4 Anchorage Lane – looking southeast. Front pole is S446017. Standing between S446017 and S446018.



Photo 5 Anchorage Lane – looking southeast. Front pole is S446017. Standing between S446017 and S446018.



Photo 6 Anchorage Lane – looking southeast. Adjacent to S446017.



Photo 7 **Anchorage Lane – looking southeast. Front pole is S446015**



Photo 8 **Ajana Kalbarri Road – looking southwest. Front pole is S446020**



Photo 9 **Ajana Kalbarri Road – looking southwest. Front pole is S446019**



Photo 10 **Ajana Kalbarri Road – looking southwest. Front pole is S44602**



Photo 11 **Ajana Kalbarri Road – looking southwest. Front pole is S448791**



Photo 12 **Pole S448791**

Appendix E

**Photos – vegetation affected by
proposed works**



Photo 13 *Myrtaceae* sp.



Photo 14 *Lechenaultia* sp.



Photo 15 *Poaceae* sp.



Photo 16 *Micromyrtus* sp.



Photo 17 *Calothamnus* sp.



Photo 18 *Proteaceae* sp.



Photo 19 *Eucalyptus sp.*



Photo 20 *Acanthocarpus sp.*

Appendix F

Aboriginal Heritage Value



Department of **Planning,**
Lands and Heritage

OFFICIAL - Sensitive

Our ref: ADV 10008380
Contact: [REDACTED]

[REDACTED]
Manager – Mid West Region
Level 1, 209 Foreshore Drive, Geraldton

[REDACTED]
Dear Antoinette,

ABORIGINAL HERITAGE ADVICE – WESTERN POWER CONNECTION- ADV 10008380

Thank you for your correspondence to the Department of Planning, Lands and Heritage (DPLH), seeking a review and comment on the proposed works in Kalbarri on Lot 202 on the corner of Anchorage Lane and Ajana-Kalbarri Rd.

A review of the Register of Places and Objects, as well as the DPLH Aboriginal Heritage Database, concludes that the subject area is within the public boundary of Registered Site Bula – Guda, Site ID 7186, however, the works are not within the actual boundary as administered by DPLH.

No approvals under the *Aboriginal Heritage Act 1972* (AHA) are required in this instance as the proposed works indicate that no interference will take place with any known Aboriginal Heritage.

Please note that limited Aboriginal heritage surveys have been completed over the subject land. Please be aware of your obligations under the Aboriginal Heritage Act 1972(AHA) and Aboriginal Heritage Regulations 1974 (AHR).

DPLH advises that regular checks of Aboriginal Cultural Heritage Inquiry System (ACHIS) should be undertaken to ensure that no new Aboriginal Heritage has been reported within this property. The search can be via link: [Aboriginal Cultural Heritage Inquiry System \(dplh.wa.gov.au\)](http://dplh.wa.gov.au)

Should you have any further questions or queries regarding this advice please contact Dan OSWALD, Regional Director – Midwest.

Yours sincerely

[REDACTED]
Regional Director

15 May 2025

